

***Pseudo-nitzschia multistriata* peptides.**

>comp162_c0_seq1; 44 1 433 LEN=527; translated
XMWPWELWIFALALIVSAALLLILHALKAWNERILFVKLTEMGLCILFFIAPMITSNFFH
MHHWYAGWLMGMHFNYDVVWSRLAMAWCWGMVYVNGVAVYGRDPVMTCEYSYFLSLDNRCF
YISCYLEGLADENNTTEVVEMVPVDW

>comp235_c0_seq1; 438 1 1332 LEN=1332; minus strand; translated
XGPSGEAYGPSFPFNLMFKTSIGPEGTSVGYLRPETAQGLFVNFRRLLDLNAQKMPFAAA
QIGLGFNRGMLYFEGSGNRLKERKIVFDSQNEFADLFCSHSNSTEIAPRSGLLRVREFCM
GEIEHFVNPDDKSHPNFSSVAEKELVLFGRDDQLGTGKTKTLKIGEAVKGGLVNNETLGY
FMARTQLYMEKIGMDPERLRFQHLATEMAHYAADCWDLKSSYGWVECVGHADRACYD
LDVHAKATNTSMVATVKYDTPKEIEVAKLKFDRKKIGMVFKKDARTVSGALDKLAEWKD
FEP IAKALEADGKVTVDGFEVTKDMVSWEQSTKKVHELKFTPSVIEPSFGMGRILYSLE
HSFYIRENDEQRCVMKFKPQVAPQKCAVLPISSSPEFNAIVDGAASLMEYDLATRVDKS
TAALGRRYARSDEVGVPFAVTVDF

>comp236_c0_seq1; 20 1 209 LEN=209; minus strand; translated
VPTVSNFFPIERYYEASDKVFESFEMVFNRRQLDNAYVYGRRYCTFYVKGISKHDYYSRQ
NSEARRNQAX

>comp292_c0_seq1; 18 1 248 LEN=248; minus strand; translated
XGDINSTEVFLLRDAVHKLHKDLDMPLVGVYFSFDVEESFREARKDHLVEVERYKAENK
TNNPYVPERFPEQTMVNILKMW

>comp406_c0_seq1; 52 1 156 LEN=298; minus strand; translated
AGAGACLLLPPPLVIHERPRQEQTVTYTQGPDKVQETHVAVVKGTPVEP

>comp436_c0_seq1; 55 1 237 LEN=237; minus strand; translated
GGVSVVDGHDESDSSSPLAKVSRWRYLLSSQQRVLLVLFVASAAYWAGNCFVNRQREI
QRTWEERLRLEELQMAKVL

>comp645_c0_seq1; 89 1 752 LEN=752; minus strand; translated
XALTTCTRVVTDQITIDSSFCVMPNTCQQDPTVEYKTDIEEPMSSRALLRPRVLTRDPP
SDPPGTPSNISPKKQIPGHHRRQRFVAFKNSVKELMYRVILFFPYVAIMIMCKVLVSNI
TEHETSVVSLHGATQERAEATTMTAPTGSRPWMVHVHVPKATATTTIKKGLLEVAEKLAL
DDNVYFVGGIQSSRVDVNVGVDTEFKVYRNADTFPSNHESAMQSNFEFESQALEGHLRNG
HNVVISNDMYTX

>comp689_c0_seq1; 25 1 210 LEN=210; minus strand; translated
RKRKVKAGRQKRKHTGYTLFMQETYPKAKIENPDLPPKALISIMAKLWRNLAAGGKREWK
ERAETVNSDD

>comp778_c0_seq1; 94 1 265 LEN=265; minus strand; translated
XGGAPGGDQNYNLDYRDSNRRMDRGGGLMNYRPNYNQRGGNEYDNQRGDEYYYDDPYDS
SGSFYNHEGKRVRFRDPVYDRPDGYYNPX

>comp882_c0_seq1; 125 1 247 LEN=247; minus strand; translated
REGTGASGKRFSRYIGSMVGDVHRTLLYGGVFGYPGDTKNPNGKLRLLYEGAPMSFIME
QAGGISSTGKERVMEITPEYVHX

>comp889_c0_seq1; 90 1 174 LEN=266; minus strand; translated
RECVLRGATSREELVHATVSKMRSVGTGAEDVCIAILKRHRVDVTEAVEAYLDGQTR

>comp936_c0_seq1; 82 1 289 LEN=289; minus strand; translated
XEKIYSLSKLEELYLFSNSFEDQLSNGSFGKLLNLKVIDVKNLLSGPLPDALFSTLTNL
EVIDFHQNALNGHINDVVAKGHSLRYMDVSSNLLSGG

>comp1141_c0_seq1; 125 626 771 LEN=771; minus strand; translated
MSHTDEEWEQIRIPIPLSVEEDYEIVIPPSIVPSSMDAHDSSPRTARSG

>comp1194_c0_seq1; 8 1 218 LEN=218; minus strand; translated
GGGWDSIFENDQSSKVLNIDTAAKLFDTSTKITDAEWPTLKQIASPCPTLKVIGAVTQGM
VKREELKRMRELG

>comp1198_c0_seq1; 33 1 268 LEN=268; minus strand; translated
XALLFYHVAPNVYRTQDLFCNGPNRYVRMLRLGTSRTRCEGNRRTAQLGTCNGRGNIPYF
TQRDILASNGIIHVISNVMIASPDGTLQGX

>comp1252_c0_seq1; 69 1 337 LEN=337; minus strand; translated
XGSQNEATAQKSSGRFSDEKKMELEDNDDDDVVDVVKRKSSEDGSLKHANVSRCDTSLMCGE
VVGEDGSIRCXTINKRNQARQPRFGWIAMNEANAAQNTKGHVARENPVESAA

>comp1480_c0_seq1; 35 1 406 LEN=406; minus strand; translated
DGQLWRVDEKGNKIKRVRKSTANATNTYENCAETTTGHSVVEEKVEGRLGRKIRGGRRRN
VPSDWSLTEDSGASSVLSYKSNDSRVRTRGRPFREALDRLDNSTHGSDNGSLSHDEIPS

KPRRSQSNEKNSDAKX

>comp1578_c0_seq1; 49 1 213 LEN=213; minus strand; translated
XEVANGLIDYICIVEMVMFAIAHSFTFTTYKEYLPSTVENAIGDYEQVQHNQPIDDAEDN
SRNDNNDGDQGX

>comp1614_c0_seq1; 128 1 327 LEN=327; minus strand; translated
XTGETEGDKSGAVGGDDQNEYELDPEKRREARKMRRIMANRRSARESRRERKKLLTDLQD
SVENLTTDNAVLTKENFSLRRELITLVEQSGGVASLSMIPNIQASLESAR

>comp1664_c0_seq1; 350 91 1335 LEN=1503; translated
MKSKLISRFSPIGVIIAGLFCIEVDLCYSFALVGGQFELKNHNQLLMAADKNPVTVSNE
NNGSGSENSKGGKVFDEASYEKERLAKDAQAMDAMKVVAEKELSKVDTGSVVGELRSPWKW
VLRKRIWDFMEENDIARFPRPVHHRIPNFVADQAARRLSELPEFRSASTIKVNPDPQPQR
PVRHFVLEQKKVLLTPQPRLRGTGFFSTIEMKELPSLVEIKECTNSKGVVKYGTPTVTLNEE
YTVDLVVVGSTAVCPRTGARVKGEGFAELEWGIILSAQGNLEAKTCLVVTTVHDCQVIED
ENDMPEGWALTKHDVPVDIIIVTPTRVIHVFDRAKPSGILWDLSPQKLAAIRVLRQLKQ
ETEDKLGVTLPSPGDELPPVASRNNKNRKKKNNRRRKRPRQQQRKQSETPPAKK

>comp1667_c0_seq1; 476 1 1481 LEN=1481; minus strand; translated
XFEKHTDFMNAMESSNDKMSATKSIGSNNTIYQKEPNLESKDEGRHGSKKEVLTISNETKI
EGRIAILNIQSEKERTTEEMEQFRTEIDEIDTIELLSPIQSEKEMISENYEQTGTKAEIYS
SFKKEEENISGITEQTVIEEISEKTEIRAEIPRSPLQSEKKMIDEMLGKFLKTMESMDDD
KFTDDDAQVLNSSRTGYIDSSSVLDDSEPRNHYS SSPDNTSLKSSPRFGYDESGFSSPAR
SLLEQSNFYKPSKSEIASQSNYWSNLSEADSNGEASLLKTKSISIMPSFRPLDESRSRIA
SPDLNLSFVRSSSENDFLAATWIDSSGSHGALSRIILSKDEPGIRTASKEDCSMQDNSLCIM
DNAKGTNYVTDTPRPLNPIAAVLSRGGFSKDVVAQVENNGQDMSREGNKKSIKVIDATDSS
KARNPFAAVSYQAFSGNTVTQVDDNGQDLLSKVIDVLAEAMNKSEKMIDITESSRPYNLN
AVVLQGTSEDEIASX

>comp1667_c0_seq2; 469 1 1543 LEN=1543; minus strand; translated
ELSSDNTNLDTNSIKVDVHMEHIVPPAFMNAMESSNDKMSATKSIGSNNTIYQKEPNLESK
DEGRHGSKKEVLTISNETKIEGRIAILNIQSEKERTTEEMEQFRTEIDEIDTIELLSPIQS
EKEMISENYEQTGTKAEIYSSFKKEEENISGITEQTVIEEISEKTEIRAEIPRSPLQSEK
KMIDEMLGKFLKTMESMDDDKFTDDDAQVLNSSRTGYIDSSSVLDDSEPRNHYS SSPDNT
SLKSSPRFGYDESGFSSPARSLLEQSNFYKPSKSEIASQSNYWSNLSEADSNGEASLLKT
KSISIMPSFRPLDESRSRIASPDNLNLSFVRSSSENDFLAATWIDSSGSHGALSRIILSKDEP
GIRTASKEDCSMQDNSLCIMDNAKGTNYVTDTPRPLNPIAAVLSRGGFSKDVVAQVENNGQ
DMSREGNKKSIKVIDATDSSKARNPFAAVSYQAFSGNTVTQVDDNGQDLLSKVIDVLAEAM
MNKSEKMIDITESSRPYNLNNAVVLQGTSEDEIASX

>comp1682_c0_seq1; 324 1 1492 LEN=1748; translated
XGQQPIDRLVQYKACASAWATTRSNGARNDDSNAAAPTQSKQKKRPSMPPKTTILPYDP
LFGEQGILSSSDEEGDDDAKEELNLDKPVVNSIWGSSIGTNTNRYLLLDIPKKKKKKGKD
KKNKGKPIQNVPKKRKGEKSPNDCAKLFVQSVSSPQEGYAIAVRYLVWGGVGGAPAERGV
LIPGSEVAFPATPQGVSNCWQRYSPLIHVITRTWPGFACILTHLVDFVLSIEDSSAVCE
NESLDAGSIRKLYFLYAWIRLILSQRFMAALDRNFSVKTTTTKNSNPLDLPLAHLHDHLES
LGYPLNSLLDRRCRCNSEKHDNSGENGDASGRS FVNNSDSMGTSRDIVRDLESILGAKV
SPNFGYSNTFVPSNTNNTVEPNPLSRSTENDDSINIQVEHAKTSGEMSLDEMEAMLLSE
DNNNNGQEGAKAEHPPTASHLEDAMKATYMTSGTSAGACMEMAEQQRQVDLNMRRP
AWIR
CQRWDECAIGTLPGYPT

>comp1697_c0_seq1; 146 17 505 LEN=505; translated
MKVIEGASRVAFLAFLSHIPITLTFVDAQGLFGPHYPKLLTDLIAWYCGLFGDVLKKNAP
SGEYAWFSSLIGCEILFQLPFFIVAARTIMTAGKCNGSSTTNPSDGGSTPQESYPEWFRI
ACIVYGSHVSTTLVPILSCFVWSEEMTTGQKCATTASKYRIES

>comp1697_c0_seq2; 219 17 592 LEN=718; translated
MKVIEGASRVAFLAFLSHIPITLTFVDAQGLFGPHYPKLLTDLIAWYCGLFGDVLKKNAP
SGEYAWFSSLIGCEILFQLPFFIVAARTIMTAGKCNGSSTTNPSDGGSTPQESYPEWFRI
ACIVYGSHVSTTLVPILSCFVWSEEMTTGQKCATTAIYSPYLIFPLWLLWLAVKETFVDA
MDEKRSSGKRD

>comp1702_c0_seq1; 234 287 934 LEN=1251; minus strand; translated
MSDASATAPTGTQVVRAMALIAVLAGCTWFSPAPNPAGGGHGLVLLHLLAFSSWFGCSV
WVSFVAGIVMFKTLPRHTFGRQLQSRFPAYFVFSAVSILVAIATSGALASPGGEEAAAPY
SLVVVLVCILANLFCFEPATTRVYQRHAVEKRLGTGHEIGKIRPDDPKKANDPELRLALS
KTFGMLHGVTLLNLLALGFGCAWLSRCAEQIVVA

>comp1708_c0_seq1; 43 640 983 LEN=983; minus strand; translated

MAYAMLNAFGKHQRSLAAAAVLRGYNVSRPIGPEERRYLPPLLIACRLSCSATLGAYSYA
QNPNGNEYLLLHATPAWNALELIWGTDPERRSSVLETVQEVFDLACSSCETDKKTR
>comp1718_c0_seq1; 219 609 1324 LEN=1324; minus strand; translated
MMSKATGTLYSILVSLVVLVCCSKCHAFLPQQTAKPNTINTQIGWFGQKTSAPGHPLSM
GLVDDFVASTDEKTRKSRNEKYLAKLQERVTRINGLEETIEELGDELQAKTESFKERLK
NGEDINGPLLVLVSAFFFDLYLTGXVLELRHYDVQILGGLVLHDGRLAEMATGEGKTLVST
LPVYLNALTGETSFVVTVNDYLAKRDMEIMGQVHRFLGLTVGLIQSEMKEEERRVAYEN
>comp1733_c0_seq1; 215 1 514 LEN=600; minus strand; translated
XGSEADNVCDADAKEPEPETEIEVGT'TNGDDDHGQEAEMQAEPEKSEKPAYIPGMFVINN
TETAEEEEKSETSPDDVGGEAKSPAEEGGEAKTDSGVETPNVRKVITYMKNKSKFAAMD
DNSCTTDEVKSNKKVKGMPRKANKTHSVSQLHYNILFCNTTCQYTYLDHK
>comp1812_c0_seq1; 525 1 827 LEN=881; minus strand; translated
XGGGDVFSPLVPAAAAPTQVTQGALKNAIPPPPKSAPQATTPATLAEELMKNPAPVAT
KTTTNSDDILALFGSPKPKQNQPQSGFGMAMNQMGPGGFFNANSMTSMNGMMPQQHVN
NAFGNRQNMMTQQQHQQMMMMQNNNNVNNMMPNSNQAMANQMMQQQMMMQRQMMM
KQQQMQNQFQMNAGAMNNTNMFNSPNGINNSMGRMANNNNHNSAIKGMQNMNMGNNIASSQ
SSDDGGFGTPMGSSQQQTMKDDAFSSLGGMNAFR
>comp1818_c0_seq1; 718 1 1765 LEN=1814; translated
KEYCGAFSANGGNSLGLTIAHQVQVKEQTKQAVGFRRRSSLALGAERDCRVAISTNSSDS
VAGEPYNENDTSHNDLEAVKSLTRTAMYRCGTEEGLDALKSLRELCDNRLPFDFDSVHRR
QTYGGRFSSPDPRNAIDQGEETISLLPGFLPTQAVGDFLESVRCMEEQGWMSTNPDSVD
GLPSLHLNLVLSQGKPLFDETPPSCDDSRESPSEYCEDESFESQIFRLYDIVRPYVYEELL
PKVDQLLNNANKSTPRKRKLRSVDFLRRYQDIDCGDVTRNGISIHVDVYSRVTAVALD
EVAAEGDNGFLTLDVENTGETSNHKALRRFFPLRTGDCVVHTWDVLHGVDVQPLDRTS
LIVWFDEVAEGEGQNEAESVSPWLSLESQNAAPPVTTLQNGNDVQRQFVLASALSSLEGDE
DTELEELLYLRSASRGNTFALTRMGSI CDEGALSSPELQKEAVQLLDRLRPFKNLPEIL
QGLLEGNDQAQNLACRFWFEASLSGNPLAQKALANEIMFRASQSERPDQRLLAAVLFALA
SQQEDEDGSPDSLRSVIEHDLAARNVQSQEEFLASPVVQTAKAAFGAA
>comp1834_c0_seq1; 519 608 2302 LEN=2504; minus strand; translated
MEEDRIIIDSHIRFGNRWAEISKMLNGRDTDNAIKNHWNSSMKKKIEKYLERKRVDP
TAPVDESGRFLLRREDIEGCLQALQQSGSNSKSIKNQAKSYAGRPLGSTRLNHMHPNRMVPLA
TPMSAAQNPAAYNSMMKRQYDAMMVGAYPGMGYTPKSVKRVKSSSEYNKNSKLAEMSPVN
KKILEEFLSELKGGYIKGVYHSALERRRIVEKAVKSGSIGELNALGLSQSEYSRLQKAVP
MNQSRRLDGPKWATPQQQLYPHHRYSNGYVMPVPPHMPHWGHPSPLYPMAQLFPGYPPVR
PPPTTPLPTNNLPTPSSTKDSTQLQQASSKIETLSNLSLKHSPILRTKDNTVQKDTKSK
DNFELGESSDLGYTLDEYALLGSPCAKGSKNCFSPFLIPTPNKSSTPGMCTSWGGDDAK
LLHDTFSKGYVSSSKSSSANTPRVFFKDDLTEQSILLDSGTVKVKHTNEETPFQSDFTMT
PGRPKSRIGVVTGSGRERIRGAMVDERDNLLSTAILATPKSPKSGNVQEIDHSLHHIDAYS
VIKSPHFGSPIVKAAARSPMRL
>comp1834_c0_seq2; 567 246 2183 LEN=2385; minus strand; translated
MERDGEKCKERYDFLRQSQGGRGPVWTRQEDEQILALVAHQGAKKWSSIANIAGRSGK
QCRERWHNHLNPNINKSKTWTMEEDRIIIDSHIRFGNRWAEISKMLNGRDTDNAIKNHWN
SMKKKIEKYLERKRVDP
TAPVDESGRFLLRREDIEGCLQALQQSGSNSKSIKNQAKSYAGRPLGSTRLNHMHPNRMVPLA
TPMSAAQNPAAYNSMMKRQYDAMMVGAYPGMGYTPKSVKRVKSSSEYNKNSKLAEMSPVN
KKILEEFLSELKGGYIKGVYHSALERRRIVEKAVKSGSIGELNALGLSQSEYSRLQKAVP
MNQSRRLDGPKWATPQQQLYPHHRYSNGYVMPVPPHMPHWGHPSPLYPMAQLFPGYPPVR
PPPTTPLPTNNLPTPSSTKDSTQLQQASSKIETLSNLSLKHSPILRTKDNTVQKDTKSK
DNFELGESSDLGYTLDEYALLGSPCAKGSKNCFSPFLIPTPNKSSTPGMCTSWGGDDAK
LLHDTFSKGYVSSSKSSSANTPRVFFKDDLTEQSILLDSGTVKVKHTNEETPFQSDFTMT
PGRPKSRIGVVTGSGRERIRGAMVDERDNLLSTAILATPKSPKSGNVQEIDHSLHHIDAYS
VIKSPHFGSPIVKAAARSPMRL
>comp1835_c0_seq1; 518 1 1561 LEN=1578; translated
RGAEYAVNFVPKIKLEIAVSAAMADQVETITKTARTGKIGDGKIFVLDIQAVRVRTGE
TNDDAFERAGERINTMNSMLKLGLAATLIALPQMGLTQEAAA
EAVPSFDEIGPYIMTTLLFCMAGFLVFFMAAGFAMLEGLVRSKNVTMQMTKNIVLYSFATIMYWL
VGFNLMPGDGWLVAWVGPFAMTELDPVGVAAADAALDYASIGSDFFFQLVFVAATASIVSGALA
ERIKLWPFVLFVIVLTGFMYPISGSWQWGGWLESEAGSDFAGSTVVHVSVGGWAALAGAIILGPR
LGKYGKDGKVTMPGNSLALATLGTFILWLGWGFNGGSQLAMGTVDVSDVSRIFANTN
MAAAA
GSIAALILTQVLYKPKDLTMVLN
GALAGLVSITA
EPLAPSLFGALWIGAVGGVIV
VLA
VPM
LDKFKIDDVVGAI
PVHLLAGI
WGT
LAVV
FYGEASLGTQLL
GIFAYGAFTFTVSI

VIWLI IKGTMGLRVDQETE INGLDMAEMGMEAYPEFSKS
>comp1840_c0_seq1; 308 1 1408 LEN=1408; translated
GKSMSPVAISQFNHSRRARSPSSGRNESITSSATTAATEPERMVWRGRAQD TVVSSGTN
PNTLTRPKPTINRDNRDSNNNSRVQKDNANTNDGDSISR IKNNNNTICGNRRRQCCPGST
AWIVAWIVLVLCRQLMTETGLLR TALASYGAPCHYFDRGGWTEQGDECGYGRGNRNRPS
RSAHGSSVDASSNQT LGSNDKNSSSINITVPSLPSALDLLNPPFKKNY TIRVLGGDSIG
DIYNSNCNGSDTAVTTT SRKNKNSNNRNI IVTAYYKIPSKHTPERYRDWMKNFLGRFRDP
VVAFTSPDMVDSL AALRCPLSNSSSSNSTSDKDLNRSLSQSPACFP TVLVALPLEELPLA
ELYPKSFWVDQLDRDPEGKI HAPLRGDRVGGRFESGELYWIWLSKAWFVHEAVGLLMQE
QHOGANEKKSV EEEVAATTRLTSTATAAEEGEKEHCPERDKRGDVF AWIX
>comp1841_c0_seq1; 292 1 897 LEN=1482; translated
NDNDDNDETNAAPSSPRVKFRGIDASTTGGGSSGGDSFVGGNPLDRFLAVVASDSFSIA
SGAIGLLAVVHRWNLVLAASDGSTAASIAAAEALTYQTRTDLLGVFAAGSVLLNGVTKL
DVTTALAESV VLEGGALPSPESVGGASGERPGPEVAWGLESVLGATPARSAVLLGSDKDG
GWVVLHRAGVVPVPAPVPGKTPILDRVGS PGNTRETYLPTLQALPGRTELNYLPPNAQM
AVMLPIAAGGEAQSENESESESGSGNSVLVLGGNAAKSFTPRDIAWSRIVAERIGESL
>comp1843_c0_seq1; 300 1 835 LEN=1110; translated
XRKVEVAEEEA EDETEALEEELEALPDGVFVEAPEEGDMAAVHGSSWGLDGRHKRNP GP
PGSKNGGRASKDQDGDVEMEPATKKT KLGTEQDGAQGA KPGGPKGSGEGEENDDALSDE
FVYVPSFYPRPPSTKV VVDDRRTVVDETDDEEQRL LQQTRTQLRQEQQVSYASSLAARAF
PGAALRDTIDIDSSRGVRTSLVQLGSGHSHYWGSGWDEAAPK GQRPASASAI AVPMGRKP
AASGNTVPLGEPILPMSRASGSRVSRVLEGSMDAAAMQ
>comp1844_c0_seq1; 505 104 1830 LEN=2015; translated
MKTPRSLLAALFATVHLQLPPPCHSFS AKLTTNPKAAPGTNNVNFEDWITDAPEEVREWK
DLTVRGDIPDYVRGTWIRNGGGIWSGGDNGDGGESFSHIFDGF AKVSAYRFGNGRLRHQA
RFLEGGKWKYKFKQSDGSLPPSIGTGPI LDASGTPKVGAARTVGAILNVATAFDNAXGKHLG
FRSALEDSRSQKGGGLTDAPPRVNLDYDTMDT LSSSTINPLAKGIRGFELLITAHPLYSL
ESDDTYNIAVEIGLGLPNARVNLIKETPLGDRSVVGS FATDDGIPYFHSFGLSRNYAVVV
VQPLRIDPGNLSGLLEKGFMRSMKSVEKTRVVVLDLKTGECVLDQSVPEPLYFYH AVSTA
EVDHGRSLSLRLCAYKSSDQLTGENQFMRLERCRRGKEWRNKLDKGGRFCDVVC DLEKGT
FSLRWDDRIRQGFELPVTRY SRAHGGSVEERRAAADAPIDGHPRYVYSFGAFALGAE EYD
AWGLFKFDTERREVAAS YRCDSVYVSEPVFVPDP SGRREDDGVLLTQAYFGAERETRLLV
LDARTMEVVAEAGTGMRTPMDFHGGWIPEGGGGRP
>comp1847_c0_seq1; 323 1 1191 LEN=1251; translated
XLSHGDIGPTGSAGNFC AVGTFGPGIEIWNLDVMNALEPSCVLGGEDTSMADDIMRLNMM
GASEKKHSNTLSPQGRSLKPGSHTDAVMALS WNKVHRQVIASGSADCTVKLWDVTQAQSD
KANAATLKH HEDKVQSVLWHPKEGTL LATGSYDRTVGLVDARSTENVKTVKIPGDCE SLA
WDPFNPQYLSAASEDGTVTCWDVRKFSTKTPLWSIVASEFGGVSDLAYNTHVPGMMATSS
VDKTVTIWDTATQSPTAKMKNKDMKVGKLF TLKFYPSLPWLMGCAGGSKEMAIWMSQDDT
IQKCFGDRIDHSSLVQTDERDRKPQNEISFD SLMNSTSVEKTNGKSKGKSSISNKKKKKK
KAHEPADDYCLKKTDEMIVNEFFRDDNFQYMWN NQM
>comp1848_c0_seq1; 483 317 1621 LEN=1621; translated
MAAANATLVFHSNAEEGECNND SKRLVTENNILVNTGANHTIRM TTTTTRIRTRARKQHI
LLSPSLFVLVLTIALFQTVDP LLVRAFPCSPGIESISYSRWKQSIGRPRFLSTSF LK LST
VTPPKTVLPSRAELES MKVVDLKELIKDSGLNERGLFSRLKRKQDLVDFLVQAGSREQQT
TTAAAKEKSQIISDQPK EQQTQPKTRRKPLGMP SKKSGARQDAATTTTTTANKQ QDTGTAS
HNAVADEESLPLPKSPLQVIYDRVHEQY PPLKYLSEGNNTLLGEQDIRQKYHPMLQHA AK
AITSKRDKNKNDQNDQD GKSDDGESETDDDTYTKPALS GDMDLIFVGTASCTPSITRGV
SCTALRLHSLAKQQTQSANVRVDARKPSKGNTKQSGKNFDVAQNSQSNLGTWLFDCGEST
QVRKGKELRRSEKVS
>comp1848_c0_seq2; 478 317 1600 LEN=1600; translated
MAAANATLVFHSNAEEGECNND SKRLVTENNILVNTGANHTIRM TTTTTRIRTRARKQHI
LLSPSLFVLVLTIALFQTVDP LLVRAFPCSPGIESISYSRWKQSIGRPRFLSTSF LK LST
VTPPKTVLPSRAELES MKVVDLKELIKDSGLNERGLFSRLKRKQDLVDFLVQAGSREQQT
TTAAAKEKSQIISDQPK EQQTQPKTRRKPLGMP SKKSGARQDAATTTTTTANKQ QDTGTAS
HNAVADEESLPLPKSPLQVIYDRVHEQY PPLKYLSEGNNTLLGEQDIRQKYHPMLQHA AK
AITSKRDKNKNDQNDQD GKSDDGESETDDDTYTKPALS GDMDLIFVGTASCTPSITRGV
SCTALRLHSLAKQQTQSANVRVDARKPSKGNTKQSGKNFDVAQNSQSNLGTWLFDCGEST
QLQIQKTS
>comp1851_c0_seq1; 155 1 608 LEN=608; minus strand; translated

XRLEYLEGGISSGFVKVEPTKEKPLFFRYGPRENRKEGELVQVPM DVSSMDSRSGFILLADKATVWVWHGKEVGTTRKDL CGRGLCVVCVYVCVARSVDWESAVDAFLDRRMLVCLFLLSILFWC PGKPELTRLSSKHEMPFAQMKIMDKI ACTQRGEELCTLTGTVTVLDQGD CDDDEEFWNYLYHGGSDKAVGSR SIGTCX

>comp1852_c0_seq1; 250 105 2116 LEN=2116; minus strand; translated
MHHHRVATAALLAWNFAAVTSFAVRGGSRNVRWEFTGSDHRRSNCRIWEQERLSATHRGE
SHTECSQGPLRVGIAGAGAVAFGTASILSKNGHESILWSPSGKGTADLVSRDNGSGDEGP
STVSSTGALRHEFDPEIASSAEELVKKSDVLI IALPANGHKQIFDALAPHLSSSSSDSSP
AAAGAPPKKKHII VSSHASFGALYLSQFLHQ LGNHHTITSWGTTVCTARRTSGTSVDIK
TIRKSVDS SCLPEGDSASSLELCERLFPDTEFRPREGLLAITLSNLNPQNHLAIAMGNIS
RMDKGEEWYQFNITPKIGGFLEALDKERLEIASALGLDVKT VYDHFSLSFHVPI PASGSL
SEM CQNIYEKGN DVHGPTAADSRYVTEDVPYGLAPVVALGKLVGRPAVLHESGMRICDA
MYGRNFAENDLLGAI GLETIGLDELGEAARTGKLPGQRLLAGSRPLSPAHTHDVQXVGL
PAAGLGLARKIDSHPAPTIEGSLRLAPNPAAPDANENAEQTP IHRTAHRDKIRFGCGSFL
APGDESLQGHPLGDP AQVQRLLLGQRLLFLPRELHTAGARKELGSEPGRRRHPAVDGGV
HHARRQVGPVGARVVQVFSEQPVPERNVFLPEDKECVSHGRDPRPLAGREL PSEDP RVVL
VALRQAFRKGX

>comp1855_c0_seq1; 682 220 1986 LEN=2064; translated
MRYDLAFLCCRSF LGGDGENDDGEASGFYGLLGVESDATPDQIKRAYKRRSLQMHPDKL
AQRGKPVTD EDRARFTRMKDAYECLSDPHKRETYDAI GEKGMKWLDEPF SVDPQELAGNF
ARSSVLDRSKIFAIFVGLAVALLALPVAVCLHLDGDLGDDASWSVTLVPLWIWNAMALFY
HSRVLTMPTVSAPDGPPEEWIDPFPMKDRIRSLFRFLLLVSAEILLALKLDEVLECAWG
LVFLPVYLWEAANVHEQWPLSRLR TLTVEDLEAALGKPLGECTADETEAIRRAYVVVPSA
ESPEFAEAEERKARAARELAKSARAIVLSALAVRLDTRADWNWLVFLPVWILSLGACL
TDYLSFAEASASAAEKDPGLFGGDRDDPEAAATTRASFGASGSAAA AETTSAVQSGESGG
PGSGGTATNYGSVGADGAATPSAAAAGSDLSEEEKDRLEHVMNQSECCTRCCWRGCFLL
LLMGLVAAKLQGAAFSAFWIISPFLFAAGIILLCLGF AIFGVSETTDGEERGAEFYSHPA
ASDIT TNAQPSTNIVLPVAPGTPDTRG LLATAGGSSASENEMEIRGLD

>comp1856_c0_seq1; 237 49 624 LEN=767; translated
MTTDKDH TKSNEIYHFPTHASYLVPVVIKETPHHGEGQRGVFAKEPIAKGTKLWVWTHR
V KSIHRDDLEDYIQKTFGN DLEETR VFLRQGFVLP PKHSSETMSPPQKQGETTPRNASND
D NFFHSNPTDAGRLTNHSSDPNTGPDGALR DIDPGEEMTMDYSFHGNPEWYQAI CARFGVM
TEAQIAALHHT

>comp1858_c0_seq1; 410 103 1974 LEN=2391; translated
MGPLPTTSF LSKSKREEEKDQDEVDEFKNKILRNQSCRQWL VSESIKIAFLLSFGVLLQ
WKIMKQVDVTE DLSFQPFVSGHRALKTLNAPLGEKNDNPKYRNC PFRDSPIVESIYVYPH
PGSPEWKGDILSNYTRIQTNSSSEDFIVYPWIDNDLRCKAAGVGPYDGTSQLVQYNT ELL
VRDIITHPDSCLRTNDPEKATL FVYPYLP SAEYKNGTLFGK DMSQSKYGKAIQNIITKQE
YESWEKEFGLTSEYWKRRNGSDHILV FSEPMHGLWHPKSRRGNFHLHSQFQTHSP IVIS
NELSKTFIDMYPLCARKNILVPY PNTNGRWFNGALDNEAVAMMTEHSGIRKLSSESPGAIQ
SEIDLAKQSELKETSNGSNSTPP RLLGYYYSGGNHGTCVDLRKSMKDEFRCSPSGKMVKK
YKKALNNYAHGYRQSTFCPCPGGDS PSAKRNFDSVFAGCIPVILSEDFVWPFTSEFDRSS
NSGSESGIVALNYPYDFSIRLNAKDHWSKFDSPKNCNPKINTGEGHNETDHRSLQSVLEA
VP SKELARLRQGLARAAEVYSYRKR PDLDPDEPLREGLLPDGGAAHMLV RALAEERASGAL
WNACRQEMK GKDISKDSVKKFKC

>comp1864_c0_seq1; 288 32 1608 LEN=1608; minus strand; translated
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NTKGVGSVCGTSEQGVNYDSWLD SLQQPISWNSNGNVYQEGGIITVETFLTAHHTGHMEL
RACPMGRASTQECFDQHVLEFVEDVNNFDVKMPKGKYAFNSADRAKLDKNVPSTDVIGCY
RFPFLDENYPERGYYYGSQAFN NNRFAMNRLPQGLTGEEVLLQWLYDVLFELIYDLFXM
IYDPPNISDNMXNFYDLLVTANSCSPEGYAEYSLNSHL PQEFWNRQLSTCTPEQFPPEF
YTGDSPERFVNCAEISILPN DNNIHIDEPAPTPTPTPEISTQSPVQVISVPDVSPPTPIA
TPTITNESESRVIA YVGNWQACPTDEQIAQYTHVVI AFAVSYQWSPGKNICSETCEIAMP
PVCENVNRPDLIAKWKGMGKKVILSFGGAGMGGSWAGDNND CWDYCFGRETKVIDRLTIV
NEMNLDGIDIDYEFYSDNQNGSGFSKGA EARNFLTEVTVGLRNSX

>comp1865_c0_seq1; 428 81 1556 LEN=1570; translated
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WNNDNKENNSGEDAMDCGDNSSKSNNSLTVNERRMLMNSASYPERSTPQTEKITEDSLV
VIFESFDNLKFCYPKKGAIFSNRNGHFH HEDFIGKPF GCKIRSRNNQGWGFVYLLKPTPE
LWSRSLNHR TQIIHFLDASMIVFYLNIRPNMVVCESGTSGGALS HCIMRSIAPRGLHTF

EFNQKRAEDAKREFASNGVGHLSKVHVKDVCCKHGAGGFDQPQSSVDAVVLDLPEPWLAV
PHAAAYCIKRNARLVSYSPCIEQAQKTIETLKKNGFHSIKTMEFRLKENYVDEVEYSMPPT
EKQRVEDNRVYPREDKEIASGIAADAAASNQSEKPVVETKEESGICKDSPTEESTEQLK
TGDATAKIGETQPAPKGAEKNPPESSSEATAPAAAKRKAPKTKLVARPFVIMRGHTAFLTF
ATSGNGLRPKP

>comp1867_c0_seq1; 831 91 2352 LEN=2468; minus strand; translated
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FDTESEQPQHRQGPALEREHKLXASTPIKASMSTSTSTIAPWPTKMVESHGDRDEA
WLEELAHNKDTTYKNQSSLPQLPVPALIEDTLRFLPTALPLAESEEEKRALENVQKFP
QAQKLQERLLERAASVQKNSWLQHWNTLGYLQVRDVCINVSYFQFADDRTLGKGS
KGNLQVQRAASILYATGQYRNIVASGRLAPETLGRKNIPLCMTAYKMFHACRIPLPQQ
DSYRIYDPHHYKHAVVARKGRFYKIPLIDESTNEVLSVESLEGHLSQILELADEEDSKTE
APGLGYLTGDHRDAWATARAALLELPGMAEAMEVLESVCVNLDDASPSSRAQCGKQLL
CGNGDASNRWFDKSVQLMVCNPKAGLLGEHSMMDGMPVGLANHIVSTTYQQARDESTT
GNSGLETFGGVADIFGSIEMTPKVLEMIETSKGNFREWTTGKHDLEVQSFVWYGGSGFMKK
SGFSPDAYVQAMQVATARLFGKQVGTYEASQTRVFRHGRTEETTRTVSPASAAFVQSLLG
RNGGGQPLSATDKIALLNKACKSHARYIGNAAKGLGVDRHFLGLSMLVRDGEAAPDLYSD
PVFVRSKKWRVSTSNLTHPKLDNWGYGEVVPDGVGLSYSVHKDRVIFGITALKEHGGWPE
RLSQYLEDALVEMRLLVVEEAAAASDAAPPTRSKM

>comp1868_c0_seq1; 468 87 2348 LEN=2954; translated
MQCGANGIWDGTCFVYIEITAPHRICVRNSPCSSPKPRQIQDFYFECGELVSIIDLIRHN
REDYTDPIGSNHSVGLHPGAHASITRRRRRRSDDGPFRLRLSDGSGWILARSDGQDLAKRV
YVEDANHDSDEKRSRTPFWNFRADNLPLGIELRRHPNEELRNPNDTNRFSPPGSGGIRYL
PMQRIVCDRKITTASGVSFFRVQGTGCVWFDRRSSNGSNHTGQEPYREMMIRDDLVDVDTGL
FAFRVTSTEPVAVRRSCHVGDGPNLGPVTVVQHGDVLLVDDVRRSPLQDANGNPFRLRV
DGSGLWFQHRRGVPGSLLEEVPIENGVFRRLILQVPDHTATNHGQPFLLDRYQHRGLSSKV
TNMNSNNNLSPLKQGEIVSCDRKVVVPSPTSSAGICWCRQVGTQWIMVKQQTNEDDD
EDMHDGGHIVAEIVPEPEHPASFLRERTAGDVRKRETYASSNGAKRLQQQPWSPRLVRSY
ACMVPGLEEIGFDRQHQLSFKSSNGVIFNIYCNRVIGILSVRENTIQGCVQRYHRNCS
DLELREILQDTKTCRGEVHRCDKRARSFMPPSPITRTRFLADEEDCNNSEELSLRENQNI
ITPDTSSSSSAIGTGFEMHQDYNDKDDTIDTELECRMDLVDCQRKIQNLLYRQGNILRAI
KVYEEERMRDAEAMRAKSERIRIEHRENQRQVEQLQHQRVEEDDRQARWRRTCRQLVSE
NVFVGAFFVGGVGLVLSPLYCGPLLQKLGLQHL

>comp1872_c0_seq1; 421 439 1410 LEN=1616; translated
MITRTRTTSTLFAAAIKATALCWAVALCSSSSHSDSHSMAFVQSFSPPTPLANGAEPRGTTIA
SSNSGLSSKTALSMAGGVRRRGLEQRREGATPTEGGMTLYLKAEDGTSVGDGCPFAHYIR
MILEEKNLPTVQPCASNDKPGWLLYYEGKMPCLRHKKEAYVESNVIAAYLDYFFPSG
ESDADHKAALKDAEDAMDGFPAVAGYLDKESDAEAEALSCEPLAALREKLGALAEHLGN
AGGEDCNLDGTSTSFGLDCRLVPLQYHLKVGIDTFKEHGKPDLESEFPTVHAYLSRSM
RESFVNTMYPPEETIEWGWTNARQ

>comp1875_c0_seq1; 566 203 1372 LEN=1612; translated
MKTTRDMAVFFLSLLSLNSAAGFTSSAIRTSTNRVSSPLAPFPPSANKQERQTPILIRCNE
KPGWLDAMDGIPSGDFDEESYRNRIDLRGGIAGFSVDPELGFVCILVAGGEDSNQQHNC
HWMPVVVSPVDTRPKSAEALTCVQLAGGLDLGTAILPPDSLARLVAEHDAEEQSGEGTA
RDKGAPKRLSLTKITAAPNPDAENAKAGIEEEAQELVATSPEREKAI SDALPKVETAVK
TLPGLQETTTESVREAMQRFADKGAVDRAFDASSILDSLRLNTPAISLAPPLFRLDVSV
IDNGNISQVTVDTTNSMIALGLAMRYKVTVDMEEKYRHRPRGGKGVDELLERFPVFRPIQE
LNEDSRIVDGFIPSMFEKARSIDNDMKGE

>comp1876_c0_seq1; 698 44 2179 LEN=2474; translated
MSQVEETPASLKDTKDAASTVQKSPKADSILTNLDATIAGFGDGHIFPDTDTSPASSCCS
SSSDKTDHRANALGDGIVERFSPPGLEEFPKQLHSILFPALHRGHAKGDIDPGRAGPATL
PLSSPSPKFNPISSSSAAILMGVKGSGKTLLELRLVLAACREQLQYNPGGRRRLLYRMV
EINGIVCRGEDVASVYIEIRQLSDIAYRSIQTTKAEESPLKATRKIRRTSGDDSDTTGK
RGFSSDSILRHNDGKTEEGNETGRLGGNEKDDSGDESIFVHDDDDANTRKRKARRQRKQ
RKIDKHMLRRLRRATFNSNLSLLESILEFAAADDIPIILNLELDSFTDEGERQMLLYHLL
DRVATPGSNLVLGTTSSFSALTLLEKRIRSRAEGTSKIYLRTPPTYHGLLELLDYKLLK
GCVARKDILDRLAHPKDIEAKAREIVSKKGLGARNGHANHTTEESTDEIVKLSVAMERFR
VGRDTRWFSRVIATSLSLYRHDCIMAMSFNDSVSSGSPSLSDGAPPNFCAYIRDAMAM
GASVLETMAGSQQPDLCIVDVAASPRQLQALLDLSTPQVALMLSARRILKREEQRELVV
LAPLTLERMLKEYESFRRGSKSMGNSKLLKRAASHLMEQGLLVPSMDHSGGGPLQYDYSK

MYRTL DNYTLLRRLPLHIPYDINREL GKALEQNLL ECPTALK EWARFIS KAA
>comp1881_c0_seq1; 109 1 733 LEN=1320; translated
XSLHRPPEQIAPHRITGTCTRTQETERPKRPWLSETGPAAVPPASRPGRNGSVRADSAPPQ
TAPPSTAREPPARRLSRTAGSSPASDTXISASVTERVPWGFVCGYPVKTGSGDLYGGGHY
LEAASSNETPQGRAVLEAALRFGTGGTLFPFCPCCKRGYKPVSEGGPPRRMVACSFHEAARR
KRLARDKGLRGGEADPSELFWSPKLSSEESRAELPPPPGSSREKAREKSSEKGDGQHD
KTAT
>comp1884_c0_seq1; 92 308 653 LEN=653; minus strand; translated
MAAYTTPRGPHIIFLLSPFALRAMSEAQYVSTGQIGGEQGLSHYGLGLGKYTHFTSPIRR
YADV VVHHQLLQTLTLKADDFPLRAPPGFGRKALKSLPESKTISI IQGEGIEDAKX
>comp1885_c0_seq1; 349 109 1066 LEN=1066; translated
MASSRWKRFAFFEKNAISLPSEVLEDLLPAGEYEYSNSGGRGRRSEEGPSNSKDKVRMVV
TTAALPLDSKPGHGATAGMPNQSGGNANASGGGEYTV ALNEMWVSGLAACNPMENIPGGY
AGGTNQTTITLPSQAQLFEDDSNVVSSSSGAAVDGLVLAFTSRDTNRVHCFD ISVRCNHR
SSGGAPGIEPSADGDTQASGKKASDPEDLDGWRGYLAPIQMGTRATSDSRAAAGRSSDGR
ASADTDAARPQEEPREGIVGIATCRGTSGHRPMHMACITATNLVVCVDPHLYLSCRRLS
TPENNEAPSFTLGSNWNEAX
>comp1886_c0_seq1; 382 150 1481 LEN=1481; translated
MRPPI SKTKVLVLLAVFV FVVVSTPSASGFCFVHPHRKSPSAQPRQLVSSLSQSRPVDVNH
KLEKEGDDVDSL NQREKPSNNTTKQ QREAAKNKTPVHLLAGFLGSGKTTTLKHVLENKED
VRVGVVNDVASVNIDAKLIAQKDASSADAFSSEATATKPP IKASRNDVVELQNGCACCS
LAGELFDSIESLLRPRIGSGDSEATSPYEAI VVELSGVADPLAIRNHWREAVATD SHPGV
TNQAE LGRILTIVDATTFGTDYMTYDVLDRDRDGLGGSSTTINTSERQRLQPNMNC SGN
KQVAYLLVEQVEAADLVVVKQDLAGETKTDVARRMVEGLNEEAEILTTNHGKISATKLL
GLPWP SDLEESDSREQEESADGSHSHSHTHQHSSRKDADSPSLDAYSHDHAACDDADC
TDP SHSHSHTSHSHTSHSHTSHS
>comp1888_c0_seq1; 225 1 544 LEN=1140; translated
XHQGTSPHSLHHHDPAESAAAF AASIALAGSVVGVNGIGIGAHGDLASHQVTD SAAVEEA
VAAALAATDAKS NAYHHHHHAGDLVGPNIHLHGTGDPMEAGASAANGSMPV GAGLPPAAV
GSPRASAPAAA PARGDVGLGLALDAAAKLAAAAAAGGDVLAATTAVSTGGPVG STAKQGA
A
>comp1890_c0_seq1; 127 1 305 LEN=305; translated
KGSKGGYYSIAKPSYGPSYPTYPSYPSYGEVSYSYGGKGSKGGKGSKGGYTPSYKPSY
PSYPSYGGNCYEV CYGYGGKGGKGSKGYGGYKYGYG SVGYG
>comp1891_c0_seq1; 438 297 1286 LEN=1741; translated
MTPSASASPNGHSTSSLLLAASSFPEKEAKKLEVEEKF SFSDRSKLEERLKMEGFALCQ
EVIMVDWYYDRLVANSECLASVLP LVRNDHWLR YRQITSRNCIECVDGEAEWQLKRGT SI
GGDG GATVYEEIEGTEALKIACSLANRELSKRDEANPTKNETALLL LFEGESFPVPPVD
SCDLQPF AKIVTHRAKWEQRQGGQPTSGTKTTNASLFSKLVVDLDTTPDGF AVGEVEALV
EAYGKTEGTSTAVYQEEAVAMARTDIRELLERILKGDNDNDRSTPTRSPSMGKLEQFLF
LRQPLIHKVCVESGVIPQPPFSAEEEPSS
>comp1892_c0_seq1; 281 133 1359 LEN=1433; translated
MARRFSRPLVPHILLALVSCAFLGSTRVKLTIDALVVHSSATSFIGRGDDGNLVQLRGIR
FDCEGDFENEQQATVVSNI DKITPIMSTSSTRNL FANTCF LAAVATTLELPASAAEPVR
AKD TDSVLAI AKRKL RP KPPKILRRKLSQDFAVLLMRSSYNALDEMDCVAMDQFQRDFFL
IRVAEYETYTKNLGAGMVTQGD LTPFYDFDISFAQYKTINREVTQDPPYVFEEQQVPPE
GSSEPSMNPNGTIRFVPVIVQRDPTLTNKMLIPTFDK KVGSKILDKLEENFANTESKI PN
IGYK PDSVALLSGIRQIVNLFLIGGYAFKGDVKTIAPE SNGVLATYVLSLAPATLWSGK
VLQVEGDPLDNNFLLKTLAEYIRRSYINIKSSIKYEGTGEEITITVQ
>comp1897_c0_seq1; 235 1 1708 LEN=1742; translated
XLALRQQQQHVL FQAQEEQSI AVT LSPAQWFESKLCRKN GSN SYWRGSLFNERD HRRH
QIIANKKLSNLNGRFFQRHCLEFVKLSLSSLDRIARKRRSIFHIALAREYGLCGREQFE
RGVSRFFYVKQLLDQPDIVSPHRKSISSLSVDLTGRFLLAGSADATIT IYDVSKWGRSES
ISKDDANSQRYSYSPVAKSIKPAVPDVLQLPAGHSASITYTQWYPTDPGVFLSGSSDGT
ILVWDTHKMKPVLRVHPFRDNSTGWVSAHLRTGGDHSMIAAGSWYESEIKLVDIRSGACS
HQLVGHGKGISALKWSSSNPNVVASGSRDSTVRLWDIRKSGSRACVTVLDREQVSSSANS
FGLSSSESTSVGYASDYSHLRREPTWARKQRQQIPGIAPNNYDHVQHNGAKSHRAGHVS
GLSFFSSGHYLCVSVGLDGELLLWDLRSGCLLP SKFVAPGKSSAGSPNQRRTAI I AEGSG
YTDSCNKSS TIWISRRGVLHGFSTEGGTPKQTLKGHLTNI TSLEAMEPGGKLLSGSADGM
ILAWGQPQGALEVG DATMKEIVQQDIDDW

>comp1898_c0_seq1; 466 1 1067 LEN=1256; translated
XAAAATTTAAPTSPHRRRHPTGSLSKRPRSGVLLLLIAILLGSTTHTMLPASARAAASAA
GRTALRRSSSSSAGGDKVTTIVFDVDDTLYDVASGFTAHRNGEVVWRFMVDRLGFPDTAT
ARAVRDEYFAVYHSTAKALTVARAEGRFPEGAPAFDPKDLSSYWVDHLDYGKLFGTRAHP
TEEAACKKAAAFGAALAECPCELVAFSNGPRSYVLKVLDRLSLLELFGTGRSSRDGALVW
GVDDVLPCHKPEAAAFSAVFGELENAKRRDAGHHDEVVPEECVMVEDSMKNLRAAKALGMK
TVLITGTGEEGRILPGDAPSSSEDPVDAAFATVEEMVDGLPGLWRDPPVFEPKPG
>comp1899_c0_seq1; 401 111 1598 LEN=1718; translated
MTRCSTKRKRSAAFCTNGNSNHGKEGRAIVGNISFPPPIATTKIASDSPLDEIKFSDWQSA
RVCSIREDNPKHCQSSLLSFFAKAKRMKAAQSSPQKRLQKNDNDNSKSNRSGFWCSKEN
RASLVSSLPTAPSCSSSFRQRNPSIGKTATEKRSQKSSKPKAKSLTQVYIDCGQSSFGQ
ILCDKCGMLYMPGIAEDELQHKQFCQAYTHGIPCVRGNVKGKGYVPDTGSVNALAAAREKG
RKRNGAATVWLWRPGTKCHNRARSKQRQHPGFAVTTTKDAEISKSNHNKLNLSQWPLL
AQMISKDLGTNEETTLNHIANQMVFYIESDNSKYLSTSQIHRASAPGRSRILGVATVQV
LSRRIPAYEMISLHERSLTSVEAKLGIGLLWTHPVARQRGIATRLVDAARGHAIIFGMKVT
KTEVAYSSPTQAGYDFAIRYSCCRNEKNGIVSSRSDENDDCKGCDGEHVAIHPKEQSEAS
LCRAVKGPLVYEIDL
>comp1900_c0_seq1; 762 81 1637 LEN=1788; translated
MKFSVAATALALSSATTVSCFSIAPNGRSSLASLRVATSSEEAVDSSVNGDDDIVRKSDE
EVFSKHKRPTSFATKASLYHPNPGAERGLAPPVYFGSTFLLDDAAHGARLHAKREPYT
DDDGFFVYSRWGAPTNEAAAVQIAALEGVDDPNKGALGKCLLFNSGMSAITSALMAVLRAG
DHAIFPYTVYGGTHEFAENFCKEWGIEVYIDASGVDGPENYKKAFFRENTKVVYVYETPAN
PTMRLTDLEGVGRVVTHEYGAAEDTPGSDPNARKRPWVMVDGTFATPYHQRVLDIPGVDV
SIHSATKYLGGHSDILAGSVTSRSEPFHGCAGVQKLIITVPLNPMDSFLLARGLRTLDR
MQRHGENAIAKARMLEEHPDVESVFYPLDSDHPDRSMSGIYSSGRDEDEDGDFNQTYGG
MVTFIMAGEGDIALQRARNVCEHLRVINLAVSLGGVESLVEHPASMTGMIHQPREQRLAGG
LADGLIRLSVGLKAKDLIDDLKSALDRCDDEEGCDLID
>comp1905_c0_seq1; 238 235 805 LEN=1759; translated
MEFAAARELASTWAETGVIDPREERLLALLAGIPEDLRQTMMEVSIKCMPSKMDLADGVA
LVSALAAIGIINLRDNLRIDFEKHSKHTAPVWFYQMDDEGRVKRLRIGGSMIYFDGRNDE
DNFDLPSEIAHLQLEELSVVNCRSLPIDIQHLTNLEILVFLRCDFNQPPFWQHGRVDEY
GLLELNSST
>comp1906_c0_seq1; 174 1 1067 LEN=1067; translated
XESSRRRTEHDDAALHKVASRKMRLITLFIICMRVVDFAFTRSSLCHYAVPSKCSATP
KESSAFPKVRSIPSSFLSSENNENALYVPGKITLKIADFDSQGGVADLSSEKSERFTC
GESLDMVHRLRRVSDAVLVGRSTVEIDDCITLTVRRVPLLPDKEPSNGTAPKAKKKQPF
VVLDPNLDLELDQKIFQDGLLETIVIHALSDDLVDAGSKSTSADMGNSYFVKSTKKEF
PAVTFGLQPIIDQDKLRLCTRQVRDILAEFGIHHIMVEGGPNTALQFLRDKTVDRAIL
VYAPISFKDPLLSNISTSVLEQAGLEPIEGYKLGVDLSKCYSRPELSPSTPIKSWX
>comp1908_c0_seq2; 200 155 595 LEN=985; translated
MIGDRTTAFQSIVLVSRPGRNRGKFRITNQNHNFIHNCRDASLFASPSGKEDIDFNDE
LDDEKFNVEVSEQPIEFEWVRLQQLGINIFTVILAALIVFFLSMNIILGPGWLGSTIGI
PGTGNIQEVSPPLPGSLDLNRPEYRL
>comp1913_c0_seq1; 196 1 506 LEN=550; translated
XPSSGPGSSGPGSSGHLVSEDEDEEDSDCEDDSAFVFRGREGKNCNWVKKKARKFR
RFCKRSNGISVADFCPMACGMCNEDDNDSDCKDDSAFLFRGREGKNCNWVKKKVRFCN
KKQMASKSKSRVQLLAMHASFSSTMPMLKKMIQLTPNFFIYNLDLSHI
>comp1914_c0_seq1; 448 404 1810 LEN=2138; translated
MANQLNRHRGNNYRVHQFQTEQHKPRNRGSLFLFFILITLGLYSTLSIVYIHRITLYSR
PENAISEKTTHESSVASLKRKENDVSKSKEGEGEKIESSSQKFSFKSRDRDHDKVLRLSLQ
ELTRSPPPGSIVCPSPHMTPYDRILFSTSPRESENTTAVSLGGADRKIPIVHFSFNRC
VPNDLATSIRLWSDALPDHSIFFHDDEAVKRLMEGDDRSNQSPLWHSSEHFPNLRDRMPC
VTSTGAMLIDVWRMLVVWYTYGGIYTDIDNWPGPKNFSQTIREDSSFFSLSDGKNRCSQWL
FGMAPQHPAIAFTLQDLTRRLVLIKVARPRVVRITGPMTLKTAFAQKFKQLKENATIFG
ESSYFTQIQKVDLATSQYARGSLGGTFDEIVDHYDEIHNTTYINITKRERAELISGIE
HWTQVNRTSKVSANKTEGESLNTVDKNLPLPPYAGVSCSDYLDALNK
>comp1914_c0_seq2; 453 404 1828 LEN=2064; translated
MANQLNRHRGNNYRVHQFQTEQHKPRNRGSLFLFFILITLGLYSTLSIVYIHRITLYSR
PENAISEKTTHESSVASLKRKENDVSKSKEGEGEKIESSSQKFSFKSRDRDHDKVLRLSLQ
ELTRSPPPGSIVCPSPHMTPYDRILFSTSPRESENTTAVSLGGADRKIPIVHFSFNRC

VPNDLATSIRLWSDALPDHSIFFHDDEAVKRLMEGDDRSNQSPWLWHSSEHFPNLRDRMPC
VTSTGAMLIDVWRMLVVWTYGGIYTDIDNWPQPKFNSQTI REEDSFFSLSDGKNRCSQWL
FGMAPQHPIAIFTLQDLTRRLVLIKNVARPRVVRITGPMTLKTAFOKFKQLLKENATIFG
ESSYFTQIQKVDLATSQYARGSLGGTFDEIVDHYYDEIHNTTYINITKRERAELISGIE
HWTKQVNRTSKVSANKTEGESLNTVDKNLPLPPYAGVSCSDYLDALNNFLSFHV
>comp1915_c0_seq1; 432 486 1489 LEN=1931; translated
MKAMYPKIMKKKLRLLQGKTLREAPRNASDRQHQQPYRSLLDDEETTISNTWKSSGSNT
SEVDANVEGGTEDIQEDCEEENEKPVSEQMPETERETKEIESVNNIVFTSDSIGQIEVSS
AQVAEEEEHETKVEECTDNRKSASWTPFLKKKIQATVKKSYTIVAGQYCEKNHTRAIAMT
KHRSKMWTEAMSGIRVGIKVDESSMTTLTAVEGSDSSTASNGNTASYNFFLLEESAAA
SQIENWLADHKEGNVSVSHVSKNTTGFVQRLRAGHIIITPDEATDPMNIIKQPYPVSDT
SETILTNDGTNLLKTVECGATTIPIQSFAKLIIV
>comp1917_c0_seq1; 188 1135 1678 LEN=1678; minus strand; translated
MQASVGVLIIGLLQKVGVPDKILMRIQKCTVKPTDFLVLTTTLSAAISIGNVLRNDLLASM
NHTTAPPQQGPNFSFCDHQYSFFSELCIECNVEVMIDLREIRITNTIDSELTLLEEKASVV
IRHGFHEQLDQWKEQYECLEETLAEAAKLDLYHKYQQLDGLTVIFIPQVGYLVGLNETLV
LX
>comp1918_c0_seq1; 479 91 1362 LEN=1362; translated
MKPFGISCTRRSQQLLVILSTLFTLAGAFHTESLLRHPKLAASRQEKIIQSTTSVRPHVR
SNGTCDICKSFDTLALRAGGDDGALEKKPNKVSQIIQYCNKNYFLVGMFVAVSLAKALPA
LGKNGGILRPEVLIGNYGVALLIFLLSGFSLQTSDLAKAISNVKLNGLVNLFFFQWPF
GIVPLRFLFTDIFPTLIPPALADGILITTTLPPTVNMCIMLTSTAGGNAASAICNAVISNL
AGIFLTPLLLMMFFGASIHLPFGQMVLLKCKVLLPVTIGQLLRTNGQAKAFYKTHSKKF
KRLQETVLLGIVWNAFCNAFSDGLGIQLKHSVLLALLPTLHIVTLGAFFKFFSLPFLGF
SKGETIAGMFCSSQKTLAFLGPLINTIFQGNPNLASFCAPLMFIHPLQMAIGSFLLEPTIQ
KYTG
>comp1919_c0_seq1; 145 1 589 LEN=970; translated
XQQQQARYSNGSSTAGSSSAENHRASESTDCVCLGHTRNNSCQKSSSNNNHNDHNHNHY
NENYSDEAIEELFHTEKDADGDSRPLVIWPELDIMCRHDKGKAFFSDSRNTEFESIADCG
HLFHS DGRIILEIAXGEAERMPARFFAVLADERARNGWNGSCSSLAQTNDSPKPSLRNDK
SMEQNQQSAGYVRVLN
>comp1920_c0_seq1; 120 144 923 LEN=923; minus strand; translated
MSVEGFAPFPAGHRSEPPPRFLPERAPGAVVLAALVPPLPRFGSRGRWQGPATPKKLF
MVLRSVIAHAIVRGQTGAXVLVVKAPADTLPGPSQGIELGPQRPRGLVVRGKPDPPA
PDPGPDDLQGPLWLGPHDRLLLEGRQHVEDGAVHQRHLLAAGGEALAVAKAVRFPKGGPP
GGFHGLDAGQVALLRFGGRCHVAVTEVPAGQDEPVRLLVEVPRALVGEARPRVRPDDLHQ
SQGIQGGGLVFRLEDGPVKLX
>comp1923_c0_seq1; 286 40 798 LEN=946; translated
MRRGTVKRVKGLVKAACHNGKIGIVTKATAPGEGQRVGVKLQDGGVLAVKIENLEEIKS
SPRTTATVSKPKSASASTPASTLPKERTLKRDNALLREVDGSPDPNVLALYYHFADRAF
CFNASEYNVQMLRYYEKGLSVRLICPRMIGGNEYFLVGLQHAHQHDKNSLCEVAFNCGRSF
TGISMLVKKRCFVCHKPLPGNSQCPSCLCACFCTDSSCINRNSTIRSDHERLCKKIDLT
VVVEKESLQLLQ
>comp1924_c0_seq1; 615 492 2292 LEN=2292; translated
MVNKMPGSNLNSRSTGGAAAILSRKRLPASGAGEESNGVVRTTNESRTTTIGRGDGN
RDANTGIENNNSSARSSTASSTNSNGSTRKMRRGSFRRTLMLQRNKRSNNGSSSSHSK
REGNAVGGATPATAVTNQLPVSKRNSTYHDQSSAPVPLKGSVGVASVAFALEREETGACS
PTLTSSNVTTTPVRGSQLRHERLPRGHIETIRKHYGSNREGVLDIYEDVLKISPDASDREI
RIAYFRRGREILGDNASSIKINKKNQKAIKQLDPAIKSRFQAVSMAYEILSTPAWKEAYR
KQGGILNTPGARASPLVPKVVVEQDGVGLSHPRITVGGKKQEQEPDFPFVSYPLASRAS
FWENTNANTGNPSAMFPTTFSSDPVLPAPSTASRSPKRLVGLALRKSFLGNSGDVNDNS
SRSRQRPSASVRWKDHVEELIFVNHPDEHGSSDEESSEADYSSDDENLRGDDSTGN
DAGNSRASSR PALPVAVDLYSEPADPGYNAQENNSNLSYSSRSGSTRRRKKNKARIV
IDSEELSHLKLMDSEAEKHVQDFWDFEESMDGILTLVDSIGGGGGAADISKASNSN
X
>comp1926_c0_seq1; 298 1 1328 LEN=1450; translated
XHNECCLNTLLTNTDENKSLIMPIDTRILSAFGLVQMLLLGNSNGWTHPGTNTANISSC
YCGAIRRRWGQSNKMYSSAENLQSIQSYTHQKQQRSLRASTIAAAATVQNQPLAPGLPK
ELEKLNLFEPKPLEYNNDGDEVHGQTVVERVSMDDPPIFIFRKALTPKQCRGIRQTAFSMVE
MEQGKTNTCKDDNDEIHEEVSTASDQERKKEQHRKHPRRFSNVGWLSNEMPMVEQVARNG

HGVFLNGMPFHSTRGIEPLQVVHYVDVGG EYINH HDSNNRLLTLLYYLNGVGETWFWPLAD
NHDVVVRDSREADLACRDKSPDRDGLVLTCCRKSSII ERGGDCGDLQLDSKGC SGFPVVAH
VEEGDAVAFYNYNLDGSMNWKA FHSGLPITETDLESPDGENSASKDEDGVHKNDGGKWIA
NHFFHFVPSHVPETPPPTPVEK

>comp1927_c0_seq1; 383 106 2154 LEN=2332; translated
MEEDGIVVREISTIARDDISGEIDHEGSVTKSS FQQKPN SNP TTEAENTRKKKPSIRHAEK
RRTSTCRFADRVAQLSVDHYKRTVPADRRPAQTCIATIVAHCRKHNGGRDAGEEHEDGVD
VNGTGTGEADVLWV LAMGIGTKFLPESRLQRERENEGQEGYGS RVRDMHAEVLARRAFRR
QLTLEIQEDLRLPAEEHERQKERPSNRVLVRS EDNSSTVCYRIRPGVTVHMYSSSAPCGN
ATLKRFCCKMSKEKFRDDLGPDEWPSDAHDPPSGHSIKLGEFSLLVKQDSSSSSNPQTNEA
TSNSTNSEEKNKNTSSKMDANMDY GSKPKRTRLAGDRPPALRTNISKASATSQGRKTVS
RAKWPATLSDDWTPPGTTIVGFRHKGSIH TCSDKICRWNYLGMQGSLLASLMEEPIYM
STLTVGRKLSGPVCCRRAVCCRLDTRC RQPNLAIPLNNSIPLTGR TNSNKIQYRVNHPAIM
GTSVYLDTGVVDTSNVEERGQDVRFHSS FVWAWWAGSSQCGVNSNKIPNTDCYGILECIE
SSSGLLADLSAEVTAENDIDKIRSTTSV PQQVSTKSLTSAFLQVFQEASNGSYTKNTAG
YASSAASYENSNDTKLTPEGVTPESWENDTNTL NTLRSVKKRFSPIHEEVKDRLFAEHRV
LSQWRRRCYQDICTEAINTMSS

>comp1934_c0_seq1; 288 1 1324 LEN=1397; translated
XTTTAMRSSTGTGGAGDEPPVTHVVVAGAGVIGVSTAYYLAKNFGVATTLVDPGTIAPA
ASGKAGGFLALDWN DNSPALGPLARRSFALHEELADDLGADTISYRRLECVSVPVGENGG
RRPAGRKLEGIEWAEGANAMGDASVLGGTRTIAQVHPK LCDAMWERVLELAPESKLVRG
RVVAPEDKDGADADA AAVARLEDGSLLEGDALLYSCGPWTATNMYGTYHSLVVPTRV
LHQCVFFSGLGDP EYVVRGDSTAYCTGFDP PVRVAEHPGEEV RPEAIDRIRESVRAAS
SFADGASTSYLVLGDDGDGRQAPLEQAC YLPGTADGIPMMGRVPGKERTYVCAGHTCWG
ILLGPASGEAMAHEIAAAXGERKLPALRG PGDVFPRAVRKAARAGPGFRSGAVTAERARR
RTTKRERGGFAGSPVRTSFTS

>comp1942_c0_seq2; 273 533 1342 LEN=1342; translated
MRQPQQI WGGSSQ GKRRMKTDTSLPYSSLSLWHPLDFTQSTVPIGITLERHCHNNPHE
PIIGNAFHNLF EVNVHGIHLASPGERLHMHLRCAKRAAETFHNVFLSNSKLLDDGM
DLIAGYYGASLQRQSNRDFPQTNFSESIHTAKKEGNHFSGM LLLQILYLLKDGALLRP
YYDRQEIDGRIYDLELILGMEEFLKWSGTPCKIFHLQQNINGRN LNNAFKFKPGRTGANN
LDMVVFHINNINHLGRNEGNSKNLIK NH

>comp1945_c0_seq1; 216 106 618 LEN=996; translated
MTTPIHGKPT EGMCCCTMEDITEENGN YVEYQTYPSL TWHPCGYERSTVEHLLKTQFGA
YLERVKT TNCQAE LRLLRDGPPVWLTDPHALKLP GAGEDKETTITTEATTTTPATDTHV
CSLWYAGDNTVVS AKLNGAVEGGDREN LWNELKEFLVEEGKEPGDDDDNN

>comp1946_c0_seq1; 116 139 642 LEN=714; translated
MGKKS KRPNRRQPP PATAGAVSPAATAPATATASPPVYFYP SDGSPDV ELLQTT SRS
LQAKLDL LTRLGGENDRAGFVREFVPLDLP GPDAAGYLEDLTTAPEAEGQWRNLVAEIAA
IRCGRGVEKIGGDQVSRAV FHFHEHPLLEKCDREVAFC CVGGEWRAEG

>comp1950_c0_seq1; 68 1 319 LEN=765; translated
XMYWSHAGKHV GIEPAGPFWASVPRPSMEEFFARTQNP SECARILREDFCTEEFGDRRQE
VVF IGVLRRSEIEEALDGC LLTDGEMDDYRGHLEEKNRLLAKPAA

>comp1951_c0_seq1; 502 1 1189 LEN=1282; translated
XTMQATVTRFVFATAVIAAGCN A FVPITTTLS SARQGTTKDGDDVLLRASEEDSSWSSTS
TDVSGNAVIERTILPDGVILNEKLVLRDITPEER GKGGVEVGQGGKIKALEVLARIPRDL
IISTLDVPDRAIEAASGARNLTWATDLTAASLSALHP IEEELAASASVQARKEWVQSWQA
GGWATDGADLGP PDANFGSKDVTGSLSTGTDNDHNIYAKFRMPCHPVLLRASLGLQVLT
KCTEEKAREALTARGFTYRSMRDALEPLVLESTERAKGSKREKRCWDVADTL SRVLSRAT
TLQLEETNDSEELSLAYAI VPLHEQLEHSVKENSKLVSNNGDEILLVATRDIGEGEAIT
RDYNSSPKLLNDKSEGALHLLLQFGLPPKAWPNSPN

>comp1952_c0_seq1; 406 1 1829 LEN=2187; translated
XDATIPSLAVKKRPHNADVEISTSPSGSSLEYSMSSSFSSGEDLGDLEDV PMLSEFDTLQ
SNDRSNRNSRD LVQRRRASFA PRYRPAIAFIALAFSSYIYIAITSQSVKDPVKTAVSESV
VDRHKDNKI HGNATTKEEESSSLRKFHSHSTSPVLVSTPRRSPNPSALPAPEPTLKPSPN
PSVPSVPEPTQKPSNPSEPPVPEPTQKPSNP SLGLPTEPPSSHPI SKPNVASPLNNRG
GKNVEAQRRKKNLVLHVGPQKTGSTT LQDAWAPYGILGQPLKNDNYLYAFVHRNSGYFNC
DQNKWGLENCKSSPRLKRL LQTAKNNGRNLLS DENLGD RFPALRDVIDDNDWDVTVI
VVYRRIHQWLVS WYNQINKTTNKDSNGN I LFDKNGNAYRKEHTVWPDKGGSHIPAFSTWY
KEFTQNWD PSEFVEKHRTIEFINAYNSSFSNVVVHNMHEDGDMVKNFMCNSVPDAHHC CN

RLKYDSNRSPRDKNMSVNLNIDILAVKAREIGAMKKSISRKRAVSEIERYTKVFNKRIPL
KCDNDVISEIKNWLLESEKAVFHETWSDQQTSDLEDTFDAYLPSGKLCDVDFENIFNDEQ
WVGFFKSLG

>comp1956_c0_seq1; 227 304 1083 LEN=1261; translated
MLVTIAILDSDLSDPESVLFMLYIIYSILGSFLNSRAVPEASAPHLLDQVRAAETGIAG
LPIEGVPVPPSPCGRTLGETAATCGWAVAWGAYKNNHYHINYHHHHHHHGDRPFSSPRTT
LRRYLGTTVRRAAFLAWSSAYGRWVDLREEAAAFHRSAYEKAAGEGGLFGHWGAAGKGRFC
ESLCQGIPLAATQRYALSQAQTAATAATLAASLGAAGIEHCLRVGAGAGAGENQNEREN
QNQDERGSTPRSETQTADL

>comp1957_c0_seq1; 299 1 985 LEN=985; translated
XDSDDGGKPSAVPATAAAAPARGLSLPPAASPAATTATTTATATATTAACKKGSTRADRTK
RVIGRKVLKLSAVLPEHILNQLQLAGGGGSSGRKRNKSGDGTNSDSDSDSDSDSDSDSDSDSD
DDEDGTGAQSRKTPGSRKKGANPGANPGSTNAPPRDFSIDKGLMGLLKLKELSKSGSSSQPK
NKKILGGGAEESGSSATTGDENPTPETEPKPTQPKPKSEPLGAAFLATTVETTTTRKRRO
PVAVRNHDAEDSAVKPDASVHASASASASPRTPSVSVPRPSVAPPPPQPRARAASSMGR
SAAPQVRGSSSTSYNSGSHYPASHYRIQQX

>comp1960_c0_seq1; 288 118 1070 LEN=1070; translated
MSRRNQDQGGSKPSIAFHMRHAESNNKVVYGDARLYRYGSDDYDSEGFRRYVDAHRRRA
DPHLSPLGVEQADALASEYLNPAFLDCQASSPVRLCSPMLRLLTIRPALQRLVVSSSQ
TAGSGGSGFRQKVMVVVAHYHEIEGCHDKGVAQPGMSPNEIRDCLFRDLLCSSGGKSSS
ESNDTMPISQSDIDEIVTLEFVGFDFHPHEGWYGGTGHEARVDAEARAAYCLWLTDYLDL
LMYGNLGDGDPDETGDSDNNNGDLFDVGFLLPGEELQDHRDFARPLRRRRRTVLAIGHGDFM
SVVLKRLVGGYVGCGRGG

>comp1964_c0_seq1; 427 138 1799 LEN=1992; translated
METSCEWNGRVKNVRRSGCDGVLNKLKGYEDHLSVAMSIERHENSRRNASQNKQNESE
GSGNWTERFISKNTNTPTTTSTIISQLNDYHRHGALAVIDARRDTNWNNGRNKVTTPPSGAL
KSPWEKQTCESLSDTNLQRKHPGDPPLQLSGSNPAFTGTISRSSMSVATTQNSLLSLPG
KKGVPPIHYHDYSNPDTIGVVRKKTGGVTQPFPEKLHMLDNDDDPSIVSWLPHGRAFLV
RKPAEFTAQIMPKYFRQTKLTSFQRQLNLYGFRRLTQADAGAYYHELFLRGRPQLCLRM
QRQKIKGTGHKQPADVQTEPNFYTMPLPKRYEQTKKKEKEQTDEVSKVAKVRTVSHSGNS
MLKDSFSGNSSFAHLSPGSRGVHGAHLLNGMKSTICSMKGRSLVDLKSLLGKSAISSTV
SVSEMNVQQSNRTSSPTSSLSTQSSHTTSSPILTANYELYVPTQRSMSLLGRVQQFQSKP
KERKRSSDMAEAPGEYLWPATRSTIGSSGHTIATFGSSSITYSSSPPTYLHLDFEDSS
KQGGIDQPEKHQV

>comp1969_c0_seq1; 850 64 1461 LEN=1803; translated
MAMKKQKAGKGGKTKHEEIVEEDEDESDDQSEADESDSNDDDDSDSESGSDGDEDVAASL
FKGANEEEESENDDEDDTDEDDQPASALPSEPYTFDLRNMLAINTDQLEVGSLHKSSKK
KKSDAGNEEIPLANAAFEVNEEYLLSKATDGTQLIEALWKLPTASDAGPLVTLPTYD
EVRLPRAMPPPPPKQETKWEKFAKAKGIPLNKEKRSRKVWDEGTGTWMFRHGYQKANAKE
GEWPIMEVGANDDPFDDPWEKQREEKRARLDRNMERRLKNEERAGNLTKGATNRTMKARE
QAYKAGKEAGRKDSRSTPVGLPIDLKNNDPRKAADNKLKRGKSSTLAALSAVQRSTASLG
KFDKMREGEPERKKVLSKTKKRKYENPTDKKVLQSEGDSMKILNAVMMNGGGAAKAKAIR
KGQLAKGETAYDYEFNDGLGASSFRKKKGRAGVGMKMKMTKKRAK

>comp1972_c0_seq1; 211 181 1014 LEN=1014; minus strand; translated
MSPITPSPLSGLGSLTRCSKCKHVRPIQNAPFLDIPLVPTSVPNYLSKHMDPQQNLFLP
ISHTSLLARWKIASRILHVSNGSKMLNAGPVRFDXEIANLEEEALMLQGAVGTTERRRNK
RMGGSNKRTSELEPFQTKCLRDDLKVEKRLFRLKTMDDDDSDVPSLAPFVSEVDNMI
LFDSSDHENISIQRFQAKCLLLTRSPSILCCHVQRRYYPFTNRMEKCVQFVEFPLIL
DLSPYCAYGQKSITPWAAGSCMKDVRTNERRPPWNKRNX

>comp1974_c0_seq1; 294 96 1197 LEN=1436; translated
MGRLSRDKRDVFYRRAKEKGYRARSFAKLLQLDSEFNLFVTRAVDLCAAPGSWSQVLS
DKLVVSKRNSAPDETTEETSNAIVAVDLQPMAPIDGVLCIQGDITSYETAQAILKPFQ
CGSEGKTKDGGETRAELVICDGAPDVTGLHDLDEYLQAQLLISAVKITTHVLVDGGTFVA
KIFRGRHASQLYSQLRLLFDRVSIKPTSSRNSLESFVVCQQFNKRGADLRLNSLDRD
TVLDVVEGSPSLPKCIPFPLTCGLSGWGEAPGTIMDADKSYPMEEEDYVQPIHPPIAPP
HMQAIEEKRYNARNRDEDFIIQFFVRDLTDWYERCSAASSNGSGATREMLHGTATTTHEI
WYKRSE

>comp1975_c0_seq1; 418 1 1169 LEN=1360; translated
XLLCTVQYLARKGKSSVPTDCKETTQVPTENCRRARHWQEANRRTQLYGVNDTDIEYA
ETLSEHNNNSNNDKADDGNDYDEDDDNFAMAKAKTLVRMVSIVLALGIATAPRGVRSLS

SPGSTDPLPLGSTGTASEPTAVSPEPIPTRRRLLRAAAMAAAAGLSGTRSADAACL TGDT
RPVCIGIYKVPQDAAFSNIYSTPEQLKEFAPDLTYVPPTPAPSSYKQALEILEGQRVVAE
GIRRNVAAGRLEDAGVGVGLLIPQVTASGRFVVDLSARVYRKQQAACKLAAAPPPADG
EEPEAVREYDENGKLPPTADELAVDMASNQMDYVAGYFGECDICIGQGIRGELGVSVA
QLTILASLKDATIALDDFVATAASLGARM
>comp1976_c0_seq1; 475 1 971 LEN=1137; translated
XNEQDRTSIHEAMEQQSISVSKAGIVTSLQARCSVIAAANPIGGRYDSSNTLSDNVELTA
PILQRFDILCVLQDTPVLDERLAKFVTSSHMSAVATRDLNNGEATLPPSTSVAAQQQEG
IIDQELLRKYIQYARTNVKPTLRGNAFDQEKIASLYVALRRESKNSGGVPIAVRHVESIM
RMSEAHAKMHLRDYVRDDVDAAIKMMLESFIVAQKFSIRRSRSLRRSFAKYITSGEDRAHL
LLHILGDMMRKEQMYQVIRLRQKQSEDLLGRLEVPVDELEARARERRIYNVTFDFCKGPS
FQEAGYFLDEKRGLISRSAVIST
>comp1978_c0_seq1; 306 234 854 LEN=873; translated
MEEVGTARGQFFLWFFGSSGGGIALSSFPMEYQVAYIQSLKGVGPSLGGDTLGISPLC
GYPQDIAVKDVEKVANSKLTIDQMVEKFPQEGNYLASKGYITFSAFEQANEGCNPLAIRA
VFDTFSQSTNISDPRAQEKLDLYKQDPFAINGALFKAKVTGFSAVFTLLVLLGLAESIA
FGHAKDGFHDWTWSDGILNIPDFWI
>comp1981_c0_seq1; 139 1 937 LEN=1497; minus strand; translated
XEKLMFSEDGGHLPWSNSTANAKSTPTEPAMHLISRFVDDFLFISPDKAAFQGFDRTHE
GITELGARVNSKKTLVNVRFSVQRNADDGRTQSI SLSVSSKLNRSVLFVPCGFLFDTE
TGEVFCDYERFQGGKLRDGITIDYDGNRGRKMEFRVTRTFVYPRCLPILYDSSINTFETSV
GNFYQMLFAACKTAEYLRGHI THNVHDHVRCIRGLPQYAVWSIRCRFEKSPGTTQDFGA
VFAINGHLASVLSWKAFCDVFSYLQGFVITRELREEASSSSRTMTVRKRQVQRIVSRA
FEDFQIRHMIK
>comp1985_c0_seq2; 383 1 1031 LEN=1066; translated
XLVKIDRAILRIPTLAIHLETAERKAFKINKENHLSPI LAQAAQKALSGDTDDSESGDN
GKVSSKDDDEDGWTEYQEPLLLQLLSSELGIPIDDIVDFELSLFDIQKASLGGIHFVH
SARLDNLASCFAIVQALMDCAQDGFLENDEDVSMVVLVDHEEIGSTSAVGAASPILGEA
VKRISSVLNEEQAVAPHDLYEATVRHSFVLSDDQAHALHPNYASKHEKNHQPMNAGMV
IKRNSNQRYATTAATGILMREIARRSNLPPVQEFIVRQDCGCGSTIGPLISSSTGIRAID
MGCPQLSMHSIRETMGVCDLSNGLELFKAFFMKFREVDKSLEK
>comp1993_c0_seq2; 112 612 819 LEN=819; minus strand; translated
MLLSQMPPIVVRVELFLPNRTNKKKKKPPNGAVRANKDDRGLVDRIRLFEHGHITSFNIVN
KDKTDKDSVX
>comp1995_c0_seq1; 608 178 1205 LEN=1205; translated
MCGPTNRLPPVQDGPVAVDARSSSGKPLPNPATPTTGHQAPPGSSKRSSAVPSGILHVSP
AVAAAAAFAFVSVAPSYLYVNRGFTVWFHWASLACVLTRSHFLAQALVLCGTSICLWYA
CLVHEYAVHGRVFDALHKNMPGALVDRMLLPGGGGGESSGSPNGVLDFFESTGSLAMAVS
HVLDFLXPSVPDLLFLEKAPPAPKPIQCWRQQQKQQQQEEEEVDPEEEEEESDDGDDDEL
NGSYDDDDYNEEFEEKDEDGSHEEDEERYKSEEGGDENVEQTIQNQESPKTEPLEEDEET
EIEEDEDDDDDYLEDEDEPDNPWGIKPIDDKHEELRLQQQQQQQ
>comp2005_c0_seq1; 422 1 691 LEN=850; translated
XMHDVLDQAQYVYDTTKDESYLRRVVMPLVLLTKYKRIVVKDSAVNAICYGAKFMIPGLL
RFADGIELNDEVVLMTTKGEAIAVAIAQMTTSVMATVDHGVVAKIKRVIMERDVYPRRWG
LGPMAQRKKS MIKEGKLDKHGKPNDRTPSDFLTSYKDYSKSKPPQLSGEGSTPAAAGVPS
SPSGDVSMDDGGAGKRAKESDGNSSDEQPAKKKEKKEKKEKKEKKEKKEKKEKKEKKE
>comp2006_c0_seq1; 229 90 882 LEN=882; minus strand; translated
MNSEFVPIYQSVSGCLSLNSL LLLSVGGAIFFSPRKALSVLLDYKNSYNNHSYRLESHV
IDLSDLELIRGSLNHEDSIGSACDMMAAVILAQGLGCIMMLYPLISRGSSSALAIWNLRT
SITIQLITGLLWIVSALYDDRNEAVLVNKKKYVGFYSQAHGDPVIGAVQRRTTFGLFLI
GFVMFITACLGMMSIFWPVATAENTRLHSERSEMSRERTRHQESVDGNEDLTAPLLPTAQ
NFENTSQTSLQYEEDNSDQLQASNX
>comp2007_c0_seq1; 175 310 697 LEN=697; minus strand; translated
MRAVPVHRNTATAAIRIPRVVTASETAFGPFGATAESVPLAAHRHFGRLVQSDGPNHF
VDGHVDAFREARPAIALPGRQEVVLEEEPLPEQPLADGQPVFLLLLKARPDPDVLRVVV
VVVVVVAVV
>comp2008_c0_seq1; 429 160 1212 LEN=1263; translated
MIRHTLFLLLLGI PAICYAFVSPVPQSHRSIASGLVGLNVAAPLEQDTREDEQQLREREE
KRQKRKLKREKQERNSPVGKLFKLLKQLKAVAKDYEMLQDGDHIMVCVSGGKDSAVL
LVLLMHLQEQLKPIGVDFKLTAVHVDQKQPGYDGEPLVKWFDELGV DYEILEEDTYSVVV

DKTAAGKSFCMCSRLRRGILYSKALELGCNKLVLGHHADDSLETLVLNMLHAGELKAMP
ARYTSRRGKLAVMRPLITCMEDDIEEYAMLSKFFILPCNLCKNQNGLHRPQVKLLLLSTLD
SFTPDAKKNWLTSLSNVQPSHLLDQNLRKAVGMDPITGEEEEETEEQNP
>comp2009_c0_seq1; 1614 335 4291 LEN=4361; translated
MAQYSKPSVSVRRRTRQNRIMPTVRGFFLFTIALISRFGYCSSKDDDLQPYHQLVPRVHA
GVEQDFHELMSEMHAEDSGSSVERMMQSKEDLAFICYDALYLADMNNNDNMVNRDEFVTF
QIMGPTGFLPNANVFQDLPLILQSNFIILSCLCLQMPFTFDGGNVVDPQCCAVNPHIDVDG
SQPGEIPTSQQSQYLYQVCFLTETSIERLLLLSETPTTEPTKKI IPTSPPSMAPTNTPTNE
PSDEPTNTPTVEPTAEPTEPMTDTPSAHPTAEPGTPTAEPSTKPTDEPSPELSDQPTDT
PTKEPTEKPSGEPGEPKTLTDEPTISPTVSPTLFPPTSEPSMRPTTSPTEKVEPTVSP
TVQDINVTPVPTQSPTVTSVPTPSSVVEVAIAKYGIAIADGKTEEIPQSSYESDLIESMN
IVAEDVADDLNSLNEGDRLLQEQRSGTALRRSLQONHRKLESSLAVKLPVIDDIAGS
ECPSPVPPNDECKAVTASVELDIAAVGINSSTDIKNLFEERLNSAIENGALQAALVEVNP
NSVVSIIINGAAPGPPTPTASPVTLTPTTVATVEPVPI SPGGIAGLVLAGIGGLIIGFLII
TYLRRRGATDGGVNAVAYAVPAEESADVEEALLKNTEAQEIDLGSREDSSFDKDEKYET
LHSQMPTIVDSGPPMVDGTGTAVATAAFIGTGGALAAAAALESNDNQASLDTSPGKKKRASG
NLYGSDEASSAGESGWSSNQDGSSANTSMDASLDSIPQSAISGVSPVVLGDIAAVGRDSE
TVDQASPPASPERLQVSTEEEQVNYVSQSLSPNTISPENSRSQAQSTNSQENQSYTGT
TGTEGSIQSTYSELDEAIQKGDWAAVGVTAALLASQAYGEESTQGSSKNSSVRFIRKDA
LDPERAAELDLLVESGDWEGVVAATAAKFDAQEALRGDPQSPQNSAGSAVSVSSAAGSNNS
SALSGSVDGSSNGTIPSNMGSQTIDTTTSPSTYTATGLTATSDTASTRASKARKLNEIRD
EVEALVNAVPEEAENIDEMMTQFRGREELVETLRSMQERLVAQKARKESQKQAKRQAK
EYVQDKKQESAGD TDVATDAADMIKEIEGSSGAADALAGTSVARGEALETPFEVDED
AEAKAMKTQLKEAISNEDWENVAEAAAGLSSHAFFKPGSSQDSRSEASNRSVDINALVDE
GDWDGVVAAASKYREAASTPGSSSNAETDIPDDSTIERRRKRREERLKEEEEAQAQI
DAIADQTKVDNKAEGSAAGLAADWAIDQSLAALKKAEEDSDESDQNDNESL
>comp2010_c0_seq1; 200 1 1091 LEN=1603; translated
RVRVRIHPNPIPHCCTTAEQSNNAASDREHREKRHRKRNLEASIMTGLAAAAPSVVLGG
AITGSGSSFAAAGASLALAVFRGHRDRGGDDPFLHGPPHRRGRQGWRSENTEPRARDA
GSNGNNHRNPLVGVYHAWLHLPQVFRFFVAGNLGNLGFFFYLEKVFFQCLSHILIASTE
VY SFLLDGIEKYQDGLSFFSAYLVQIVTTHLLYAFLVYGMDDTIDTYEKYCLTLWGQF
KVYGF GLVGATGLNSFLIGRGEKFAAFWITTAFAVINYVLSRVVSGVVEASEAAPPGD
AGAS PGPWGKRRKQKQRKSLGFAERVGRGGGRHPQPPVAASAPLATASGXAGMPGGV
QLLL FEL
>comp2011_c0_seq1; 468 336 1946 LEN=2097; translated
MTETTKTLLLAGQTKLTKNGEQVLRVLESRSKGLPMFVCEEIQNSIVALMIANGFLDK
WKTAFMSVSTRTNSAIQDEDVLSLLSSILEDEPECRDSEIAATMTRLLISRETVIQE
GIN DIAESFLANLENTVHQLLDEFNPERADRGFYLDWFDEAKITAAIRLVPSVLSTK
WNGAY PIHWQTKLQETSDEDATSYSLKSLSLVPMMLAKLGAELGCRFRDEIEENND
SYNDSYL AMRGGLLSKDLGLNLVQLNCLYPWVCFSHDEEHQKLCDETTSTRTLQTLKE
QQLTKEDI RDHDLVWNLFCSTTRGETDRRNHSYFPEQRFRFFSDWDPTTLATPIGGS
VPLFGACTKS YDATKPRLP IHWSMGFSNESMRAFSIVLKAGMKHYPEKIGFVFANED
GYPYSCGYRNSDNG TKMNRRAKRRKRHNVPYFEACETYGAHRVKTEVLDRLT
TTAATDTNRSNDKQLSPEGFLLSAMTDETMDRSGLHLLQHFSGALSQILTKNERISKRAA
LETISNTKVGQVQSK
>comp2012_c0_seq1; 580 242 2623 LEN=2873; translated
MDEEVVCPCCCEELDISDRQFFPCKCGYQVCMWCWHRIRESESGLCPACRTPYGD
DPHEF SAVDVEDVLKANKEKEAAKKERDRQRHQSNEGYISEVEGLAGGRQVQMEIPK
DRITQLA NMRVIRNVLVYAVGLPPNISTEEQLRKPEYFGQYKIAKIVINRSQTTSGG
DARRASASA YVTLVHKEDTLACILALDGFYMDGRNVRSSYGTSKYCSAFIKNVR
CNNPECTYLHNMGLEDTFTKQEIQAGYVTSGRDVLARQQQIVQQALSAASGAAGTTP
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>comp2012_c0_seq2; 624 242 2695 LEN=2945; translated

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>comp2013_c0_seq1; 345 81 965 LEN=1415; translated
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KNAKIDDDHVEKGNITEIDNTVIEASGAASIIISQGS LVDINNDALNVGRDSAEPFLPPLK
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>comp2013_c0_seq2; 277 493 1068 LEN=1518; translated
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>comp2014_c0_seq1; 996 212 2227 LEN=2407; translated
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>comp2015_c0_seq1; 365 285 1217 LEN=1362; translated
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TYAASVGINMIVAPISFGAFIYFFS GGVFDYLFPREEGDDEFDKNPTGVDIKRVILAVIS
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REDPAVKKNK

>comp2017_c0_seq1; 556 259 1539 LEN=1630; translated
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PPKLVTRTRKQPLPNGYATNKAHKTESTPTSPRNSSQNEVQVPCVPLENDYNNLT TDVQAP
PEEIVAEKANESPSNALNTTAE LLSFDDDLIDTVDKSQADFNKMLDRMSSES KIRMMNP
FSDETVLMSLPEAGTAESESMISKPMGGIVKYF SKLKA AVGETSNP SHDGEDTCTYGT
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HGETHL

>comp2018_c0_seq1; 382 151 1407 LEN=1527; translated
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AHSIGICDVSDDLDEL LSQR IKPHIIQN WMDPFHQDKRMRDRIQSHGILYQAYSSSLGTQ
WHHHKGHSKNPVMNHPVLQEI AEAHGDV GADVGQVVVNWATTRHGISVLPASTNPGREQE

NLRNSFRFSLTDEELDRIDALDGRVPAKSSNEVSITFTSDGDTASGTVDVYWIGNDGIE
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>comp2019_c0_seq1; 301 118 1569 LEN=1614; translated
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NSPRDGTTLDLLLPLTVEPVNPCKQLRVGVPVDFAFVNVNHSPEFVTPQLQFRLEHMKGI
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MVEE
>comp2020_c0_seq1; 612 90 1589 LEN=1936; translated
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QEIAPFRGILVGLFFFTVGFIDLELIGSNPGRIVSIVLGIASIKCVIASVLSMFGLDK
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IALDDAPSTGKGGKKNR
>comp2021_c0_seq1; 70 1 1411 LEN=1674; translated
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LVKSCTLFFLGKNGRIRLRIHVGTPEMCDYKLRFCGIPTEDIPTCTHKIKLKNHNLIV
VRKAIDQFREQSMRPNVNMSPFPGVECEINCVLFGKCAYSYPGNIEFRGFLREIHTKH
RKVDLENQGMIIYDITQRVIEELPSQNFRRMMYDRNTLFFYNEVTNYEEIWKLVLSVRDYR
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>comp2022_c0_seq1; 415 1 1653 LEN=2079; translated
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DVAFGDVYLCSGQSNMELSLPAVFNASAEIEDSSNYPNLRRLATVDKVTSDTPQKDAPSKS
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>comp2023_c0_seq1; 482 34 1101 LEN=1384; translated
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FNGFLTDMRDRETAMNAATVVASAADPGTPNSLYVLEANGFGWVLSNPIFKFLFTNKIGG
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EKKRLAAISEVVMDDTTEATSVLKSTPAEETSSTNDVETTMGGGESDDKKGVFVKMKD
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>comp2024_c0_seq1; 302 349 942 LEN=1060; translated
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LGDSONTVLKLKVKETGNVELFEIKDDLAYHLQMCQDLTYDNNFIYYQPGNGKLIKKEPID
AINKALVSLKSIIDESS
>comp2025_c0_seq1; 216 311 1369 LEN=1745; translated
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>comp2026_c0_seq1; 550 315 1882 LEN=2105; translated
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GNEKDGGDVDNAGAVGRQGWKARRREKKTRKTLAKMFERACQRHFDRELEIDHRLRCV
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>comp2027_c0_seq1; 149 147 619 LEN=619; translated
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>comp2028_c0_seq1; 82 231 989 LEN=1269; translated
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TDRETEEIIISDVLGVEVFRQTVGGQALVGT YMNISNQGMVHPRTTVQDMEELSSLLQIP
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>comp2029_c0_seq1; 463 74 1171 LEN=3199; translated
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GDSVPDRMGYEITHVVQMSLAIGRSEDECTVRMGLYGNDVAVSVEEFLNIVSPSGLRTTS
ELMFENGMGVAIIPVSLTRGGILGQIVPGQRLDFGIPLQSAAYARSKGMANAGDNFVQP
RPRELKDVPVLRKHDVPLVSIIPAKGIGYGGTGF ESEDECFESA FQIIASANPAMDKENR
RVIGQIVDDESMQSLARLASLPTKKGFRGVI PGQNSGPPLIKVVLTDIQVAKVQSQPSQ
SPVES
>comp2030_c0_seq1; 154 248 562 LEN=562; translated
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>comp2031_c0_seq1; 504 283 1416 LEN=1783; translated
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FWLGTNMLPDGQKRTYT WMAQVADESSFCFSRLDPSQSSVDGRI IKTLGGIATAKLQLG
LSAEGQADQCLLEVDV NAMS WNGNLKYGSMGGGAVYGC SFHQGITPNLSMGGDGMFVAAN
GNMMSNYLLKYSFGASGESTSANEPSSAVCLQFAPS GSPMPLTLNKRVTVPKRVTLG
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>comp2032_c0_seq1; 270 119 957 LEN=1003; translated
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EVNLSCKTVRTL CQQVSDNKNVIVAGAVLNGHQYHEIESSSDERGRVVPLTGR TTPWNTL
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>comp2033_c0_seq1; 528 216 1640 LEN=2082; translated
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KVR YTVSNRQEQKIVINKDFTLTVIDERQKAYQKADEMYSRCKEKADAVVDPLGSI ELLT
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INAGKHPKCKIPGGE PVRASSKR FVVEEKGSKGPKRQVAQFFLFCDEPEQKLGCVHFPY
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>comp2034_c0_seq1; 985 214 2400 LEN=2611; translated
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SAIEKQWAEDGDQCD SFLSKQKRRAVENSLLEMKLG GVGLEGADKERFNEIKLQLGKLSN
KFSNNVLD DTKTFSYTVEDPAIMEGVPE SAKALWANSHAQFIKSEAKEGEDVPEVDLDA

TKSGPWITLDIPSYIPAMSHLADRGIREKVYKAYISKASEKSDGKNNVPLIYEILTTLKQ
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ADGEAEVWNEDVRFKIFDSKTDKHIAFFLDPYSRPENKRGGAWMADCIGKSEATNNDI
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LPSQFMENWCYDRPTVFGFAKHWEETGEPLPEEKFEKLCQKIFNSGMQTCRQLYFGQLDL
ALHSDFDASAGEEGKIFELQREIASKYTPHSMPLEEDRFLCSFGHIFAGGYAAGYYSYK
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FMRHNGLE

>comp2035_c0_seq1; 585 1 2659 LEN=2708; translated
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LIGTRYHTNAIGAYRTWLDYHPGNSVFNDVDYTYGGNGNFYHSLQLLNKESHAVSQLPLS
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DETEMLNRYRFGVERKTFMSMAWNSQLFVADLSESLFSPANCKYLKENLNQEMVRDSSTS
SLAFRSILPHSSFRLRKRKKVHENANISHNNSRIRRYMVGDSLPSLFPGMEIYYSIDNSR
DGSSDEIFFATLIGISSKKTIDGRARYHIAFDGSEVPEIETTELGRVQRQSIRTRPPITE
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>comp2036_c0_seq1; 578 383 2491 LEN=2674; translated
MVQVVQVVLKWSKEVIEFEIEVPTTPNSFTGRSFKDRVHSLTKVPVDRQKIVVAKTKSKP
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FSDGGSKTQGVKNFFLTAPAPVTALASWKQGDSDILAVGDTQGGITLQKIATSEPGSNGS
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>comp2037_c0_seq1; 523 221 1903 LEN=2044; translated
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SPSGGGPRLPLSPRSSTAASPTSISQTSFSSRRSKIEPLLSDELRIAVTTSSKIEKS
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FLSAVQFAILTQVLMCGIAKLNINPTIGYPDAFSEWGGKNAYLLVEGHQYFRLVTPTF
LHVGYLHFLMNAFFQLETCAYLEREWGFNVWIFIYLASGLGSCLAASAIDPNVIGVCSG
ALMGLFGARIAQAIWVYSFEPREHYIGQGALLFERLGGIVCSAAVVFLLTFLTYIDWSGH
LGLLATGFLVGLVVFPALEGRSTKAVLRFTGVLLIGGVVLGVLLFHYAELDEELANA
CNYFRSLYTEGYNCECQAFD

>comp2038_c0_seq1; 649 72 1937 LEN=2032; translated
MTSQTNFGTNEENSGAVLAPLMSRGPAMGAIKYVKQPGPAPALQNNGGQSTANATVVQ
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FXELISMFPYSYLDIPGLXVKIKGQSNRPTPAAAQAAAAAAAKRAALSSFANQQHQQQAV
TAPVPHQQQQHQQP INMMAINQFMPTMPGVVTP IVGIPNFGMQMNGATAASATTNPYAF
AAMNQFVTMNALQOMNPTLAAAAMQNPAAMNMLTAQVAAAAAIIQAQATQLQQQQALGADM
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NGLLTLNANGNDHSSSEAKNKTQSNADANFAEYLARKSAMDRHIEQLSDPSAPVPTVAAS

NNNNKKTGSTNSAGSDGAPVAV

>comp2038_c0_seq2; 764 72 1790 LEN=1885; translated
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E SVAKGPDRGACYHQYFVKGHPELCHSMTRVKIKGQSNPRTPAAAQAAAAAAAKRAALSSF
ANQQHQQQAVTAPVPHQQQQQHQQP INMMAINQFMPTMPGVVTP IVGIPNFGMQMNGATA
ASATTNPYAFAAMNQFVTMNALQQMNPTLAAAAMQNPAMNAMLTAQVAAAAAIQAQATQL
QQQQALGADMAAGQQVAPSIAPPTTTFSPVGPQYPPPMSSAPTSTA AVHPEPAPTATVPT
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>comp2040_c0_seq1; 292 127 1008 LEN=1230; translated
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VVILYDPLQTANGNFCLKAFRLSDECEVEMKKS GSNDFLKP SNIFEELPVRCTNPSLATAM
LQDWTPKSGIALDRLDMSTQPYLEKHLES LCGWVDELAGEQQKFQYYTRHLARGNNKSKA
SWAAPEAPKRMESLLVTNQIENYCEQMDKYVGGGLGKLF LAGGLHKGERSTSA

>comp2041_c0_seq1; 587 42 932 LEN=1039; translated
MKFTAFAALALASSTEAFSPVTRSNGASATALEAVRQPI MAGNWKMNPA TEDDAISLSTG
LTKLLGDETCPLDDENPLCTEVVLFPPFPFISKVKDAVEEVGITVGAQSIF FEDKGAFTG
SVSASMVDSIGCEYVLCGHSE RRTIFSDDDDAINRKVLKVLTSGMKPILCIGETKNEYDL
NIKNEVCAMQLSRDLAGVTKEQMADVVIAYEPVWAIGTGLVCGSQEANDTHAFVRTILAR
MYDDEVAQATRIQYGGSVTPDSVDEL MAMPEIDGCLVGGASLDAEKFGRIVNFESK

>comp2042_c0_seq1; 270 1 456 LEN=551; translated
QQQQQQQH HHHHQHQPPATKKQKKPLSRKRQMEQMLRAGKLEVVRGDHEVRGVAVHYQQ
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>comp2043_c0_seq1; 143 385 978 LEN=1322; translated
MQCTSSSVAQHRIAPCPTRPLGAPTGVVGP EAAHRCGEKRDGRAAPSFQIPVRWNGMVWF
GMGWF PDNTTQRSTPGGGSTEQSPREAGEASDRTHPAGGEGEQTSTL FAGRTPVLPRTKG
GRGSSAAQRNGREGNGGGINDSKETQRPTRCRHRTKAEAQKAMCFRHKGRCGHQKRC SI
RGREAIRYGTIEQGKTE

>comp2044_c0_seq1; 476 1 1689 LEN=1721; translated
PVSFEHNLHSFPYQGRAMIDHIVQNADILQNLNFLANDGDSVARFALSSKELYDKILRS
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LLEEMTSDLLVLR LNEPKSVLTKKNPHIGKASNHN CWYHLLRDRADFDVMKATAMRYA
RPTAASSAHDRLMGFCAARCFQSMHFADCLWEWRRLAEKEEEERLDRQQQRELSQP SLS
QMRACQLSASFLEQFALLVCEIQKSPLQHLEEPNGCACTEY NANDEITGIGFRNTMRY S
HQATKSMDAIAKVCRERIKEKSEANASTSTKLAVINDVLMNDYGFAGNSGDYYNFRNVLL
DEVVESKTGMPLTLCVLYSCICRRLGIPVHLI GLPGHVVLGFHTDDESIDFDEIHSFIDV
FHGGRILSRDDCRRIVENYRMPWHDEF LNPIPTTMI IQRIFNNLRNCHERAMMNP NPPMF
CSDLMFQQHILGMIHRSPPELG TILLERLTEDLPNVLSP ELLHAYHLLSPEELGNGP VVN
ATHARMLLELSSYAGLSYNNYA

>comp2045_c0_seq1; 658 29 1429 LEN=1662; translated
MKFSIAALTTFATATSAFTHTSSFTGKTSLNAA SNGSNMDMYKVA VVGGGPGACAAEI
FAQEKGIDTVL FERKMDNAKPCGGAIPLCMVGEFDIPETVVD RKVRRMNLVSPTGAEVSI
GDTLQPD EYIGMCRREIMDTYLRDRAIEYGAEAINGLVTRIDVPADHKTSESQYTLHYQK
FEPGKSSGTAAEMKVD MVI GADGANSRVAKAMDAGEYNFAIAFQERIKI PDDKMVFYEEM
AEMYVGDVSPDFYGWVFPKYDHVGVGTGT VVNRP AIKQYQKAIRDRA GDKIAGGKI IKV
EAHP IPEHYRPRRVQGRMVLVGDAAAGYVTKCSGEGIYFAAKSGRMAAEEIVACMDGGKKL
PTQEEIENYTLKKYDKAYGPTYAVLDILQKV FYSNNGAREAFVELCDSKYVQQVTFDSYL
YKKVQGNPLDDLKLLGETIGCLIKGYSNAK PDAVFSNPVESQKRL

>comp2046_c0_seq1; 700 1 1805 LEN=2032; translated
XVQLLFRMQSLRTQRRGRPF SRIAAVAVAAIVSIVATALAPVFGFAPQAFVSSNKPTRFF
EKYVDEPICYRTERYSRLISFSSKSGSLDVKLL EIRSMRVKELKAELTERRISTADVFE
KEELVQRLYEAKLSPDPTETASASTKRTSSDTSSSSGTSTGVLCADLFFTSVDSGRSMS
GMDGNSQSVTIKVEDVSDPYPTIAIDVYDSSGSSSGSFP LKLLVDTACSGLVLRPSV VQR
HSSCLKSYSTPVTMTGGAGAAAANTGLTQIQSYSLRDSAGTQPKRLGPLPAAVQDIGALPL
ELDGILGLSLLSQFACTELDLENARLNLYETEYRPLANENKEIVVAEAEELSPTKLG IWT

VDVSFAVGGRTGRPIKMLVDTGAMATFLTWKGLDDMGLGLSRSSPSVRELTQPMGAMGSD
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QLASDNVVGILGMDVFSKASRIRMTFRGPVPRITFYQKKEETLSKDEMKDATAAADVEPE
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D

>comp2047_c0_seq1; 282 85 1179 LEN=3159; translated
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QASDPRWYGPGRIGRDFRAYQALLTMHIWFLHRRRLVTDEADPHTAALIQEELFDILWIDT
SNRMRAHGVNEMLINKNLKVKVQYQYFMHMFHYDHCYTGDLLENAADRLEALKMTVKTHVL
LLPSLTDKDAADGSGGDAAVNEEALQKHVEHDDHAERIAWYIETQFQNILHDLPESEFFQK
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ERPE

>comp2047_c0_seq2; 282 85 1179 LEN=3032; translated
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SNRMRAHGVNEMLINKNLKVKVQYQYFMHMFHYDHCYTGDLLENAADRLEALKMTVKTHVL
LLPSLTDKDAADGSGGDAAVNEEALQKHVEHDDHAERIAWYIETQFQNILHDLPESEFFQK
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ERPE

>comp2048_c0_seq1; 517 1 1746 LEN=1983; translated
SPTNSEKKDSWDDTDGFGKQASFSPTNSEKNNQKNHTSFSGDNAWNVSVSSPVGQSPSK
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RSYGNSATRLTQHNQSTSSRMSSASVNSAPAITASYLRQHHLGGNNVAGDDPLSPRDGT
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AGRSANSLRHSSSRDHGSDSDESENGNEASESWLFDQVTGAMGPVGIADLESLSGRSNR
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EQSRSVANDLLRLEMQLAMVGNVNVGGGKEATMREIDSLPQVQARTGMSSASLGGTS
RASGRSRRSVTSSHNSSSSSSVLRRTKTTIVAPPGLGILANKADSKGTVVSGVRTSS
VLVHKISPGDRIVAIDGEDVSRMTVSEITTIMSRKAEYERRLTVMTIPRIGSPSNGNTNS
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>comp2048_c0_seq2; 1045 490 3705 LEN=3942; translated
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DEGIIVPENETEAFYDNARNQTQEQLRLAYEMSKANKSNNSANISSDSSNSSFALTSNQ
LQQWDHQQRHSSTHQFSSSPTTNNNNPKPVYTMSSDLPSMNPQQPSGLDDTMRSVSSASS
FNLSTDAEDSEYENLKRYYPPGQLTSLNLGIGLSALTALDTSAIDAAGSIASYYTDEDRS
KIFPNLPTDDMTLGTDAASSKRSEPPSLDFPQSRLYASTNVGSSPYGAQVTVPMHAAL
AINTNQNSENNTNTNSRNPGGTTPRDFTPRSPKASKLEHKLKLNHSSSPKKNMSRNRN
NDSSGDDGFGNISTNRSHESSNGSGNHRQNKSPATAAISHSVVEDSGFADFGNFADFADFP
RGEVDDSGWTTVKEEKKDSWDDTDGFGKQASFSPTNSEKNNQKNHTSFSGDNAWNVSV
SSPVGQSPSKLNSSNEQFSRNRDTPFRNSSAIGGSSVVSAGSSSTGLPAENRSLTELE
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DDPLSPRDGTSVSDIIQSLEDTDRMKRAEQITSSHRSMGDAGVVATARAAKERLRERRRR
ERESAGIYTTAGRSANSLRHSSSRDHGSDSDESENGNEASESWLFDQVTGAMGPVGIAD
LESLSGRSNRKNNSHGGKSHKSSGTSNRRRSSRKTSSSTRRHRSDRSVDSHGSRTSRYSHR
STKSFLSQMSQSRVANDLLRLEMQLAMVGNVNVGGGKEATMREIDSLPQVQARTGM
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TVVSGVRTSSVLVHKISPGDRIVAIDGEDVSRMTVSEITTIMSRKAEYERRLTVMTIPRI
GSPSNGNTNSGYADQQKMRSPNRRVSSPRVASISDSKFDASGSGSNYHSVR

>comp2049_c0_seq1; 190 1 365 LEN=588; translated
XRIYTPIDSTKMGKKKGANEKKGAKIFKTKCSQCHTVEEGGAHKQGPPLYGFFGKQSGGQ
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A

>comp2050_c0_seq1; 260 163 962 LEN=1253; translated
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DDVLVKESNHLVLSFRNTVESDYNTKLNWSSNAFVTNDTELNYKLRRQAVPNSPSIRLS
RRRRRDAGKIYNSDSSSNNEVKDTSNPLFCSTGFVDLLCEISREYDMAMNDVDQEASML

IEKAKDSLRECSKGQRRGYNPREKTW

>comp2050_c0_seq2; 321 163 1262 LEN=1347; translated
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DDVLVKESNHLVLSLFRNTVESDYNTKLNWSSNAFVTNDTELNYKLRRQAVPNPSPSIRLS
RRRRRDAGKIYNSDSSSNNEVKDTSNPLFCSTGFVDLLCEISREYDMAMNDVDQEQASML
IEKAKDSLRECSKGQRRGYNPREKTWERCVQAETLRRFIIDQEERVTKEKVNETSPTSDT
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NGEITS

>comp2051_c0_seq1; 916 126 2603 LEN=2762; translated
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EYYETVMKHKDVLDNAINHNDNDFEYDYFGFKTLEKSYLLKLNKIAERPQCMLMRVAVGI
HGDDIERVLETYKGLSERYFTHATPTLNFAGTNNPQMSSCFLLTMKEDSIDGIYDTLTKSC
AVISKYAGGIGLATHNIRASKSYIRGTNGTSNGIIVPMLRVFNNTARYVDQGGGKRKGSIA
IYLEPWHADIFAFDLRKNHGNADRARDLDFYSLWIPDLFMERVKANGTWTLMCPDECPG
LPDCHGQEFKELYEKEYEKEGKGRQTIQAQQLWFAILDSQVETGTPYMVYKDHCCNKNQ
NLGTIRCNSNLCTEIVQYTSPEETAVCNLAISLSKLVRLTNNGPLIFDFEKLQRVAMIL
TRNLNRVIDRNFYPIPEAKYSNMKHRPIGLGVQGLADAFAMKLPFDSPEAAQLNRDIFE
TIYFGACTASCDLAKTEGHYESYPGSPVSQKQLQFDLWGVTPSDRWNAKLLKAEIAEHGM
RNSLLVAMPPTASTAQILGNNESTEPFTSNIYNRRVLAGEFTIVNKHLLRDLTSLGIWNE
SLRNRLIADRGSVQKIEEIPKCLRVDYKTVWEVPQRIILDLAADRSPFICQSQSLNVHIA
DPSSKKLTSMHFYAWKKGKLTGMYLRSRPAKADAIQFTVDQEKLAADTKKKANISSDKEN
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>comp2052_c0_seq1; 275 110 1912 LEN=2461; translated
MAIKEELLFSLSITGTLSLVGSCLLIATILRSRKKLSLPYRRIIFGTSVFDVVFQSLGLT
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TFKKIEPFLHAAPLVYSLVGFYALANQYNNAGSVCYVAPSPLTCEILPGVECNRGEGA
SKFRVRFLSFPMSIIFVIVCTTMAVITYSVKQERRQRRLFLPHGGGEVSDASSPVWRR
LKRIGSVFLDVLFCVLSRKNENENENDTGIDLDTASRGENECPSEPKAESARTEMSPG
PSQRISSSRRRSSTRIRETQTQALLYVGCYVLSYGFVWAQSIYSLATNLPPPKAFTLLS
SIFFPLOQFLNVFIYCRPHIVSLRRNFPDDYSWFQAFVKVLKSGGDDPLTVQERRMIRRI
SSSITVSHPSTRRPSMSAGMGDYEADSQMTVTMTSRTEIFERRSSITSRTTADLEEVPDN
IQDSEKAEMGFSKITIPQGDAEQRSXNHDCNRIESSGENRQQSESSEPEVDDSDHYRRPS
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>comp2053_c0_seq1; 508 235 1926 LEN=2116; translated
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LDASEEFYLYIIEKEQEKNVKTLYQIPLVKFGLKLAQAFEDQLTTTALCFVADASSGKAT
SMLESVTEKSGVAVVSEPLWMIQIARLAEASIVAKSKIQKLI FALCRLDAWSVRHKVG
DAKTVMFTLPGQAVVGTLLPLVQSAFPEDRHFVFAVDGCVESVVRGIYAERMYKHNLIPD
LKSIIQGMGKDPLRITTPLSNSPLSHDASLGGRGAMERAFSQQVPVKQARIVEAWLSSI
DAYFKLKNEETTNGYVPCFKLGLTSPVGFDFEYGTDSYWSLNSFLQYVTGCQGRKVQEH
VIDAAREWMKDYNSEQKAEDGSFETSIVLSEHERKMIENCCFQHKQILIGNKTLQDTVLP
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>comp2056_c0_seq1; 170 917 1585 LEN=1695; translated
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>comp2057_c0_seq1; 176 520 660 LEN=1313; translated
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>comp2058_c0_seq1; 395 197 1195 LEN=1277; translated
MAGNTGISPFLTLILGLVEIVKPELLNMGKTIEIILASWWSIAVLGVLTIIVEMVKGKCI
AVDEIIDSVEFVIVPVISILASMATMGLLPDAGTPQSDAGLGQDINVISILDTEYSGDGY
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TAGCCQPCITVVEFLIVISGVILAILIPTFAVMACIAFLVAAGYVVVVKCKTKDGKNHT
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>comp2059_c0_seq1; 877 64 1842 LEN=2011; translated
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RIDRQPSVAVQPDWVKVEELDLAKVTKNLSGTSSSDSKKSKKALEESIPTPQDVLWCGFL
DQYNDAYDKVTARQPAPLKRMTKEFYVPTTTDDPVLEKLAVDGIGGAGEGDKRSIFVTD
NILAHLMTCSRVSYPWDLVIQKTAGLLFLDKRDNSQLDYLTWETAYNAPQPAKEGEDA
SANINTPERLGLLEATTINQNFSSQILKKSGRKNMDLNPFFDEDDADGMEPASVAYRYRK
FALDENTTLVCRTELHGLVKKTYMTAFALNEYIPPPQNGMPSAAQTKTWRDTIDSSRGS
VLANELKNNSFKLAKWTAQSLLAGADQMKIGFCSRGNPKSAYEHVILATQFYRPFKDFAOQ
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>comp2060_c0_seq1; 430 148 1390 LEN=1721; translated
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QIGNGNSEGRRTIWFHYHSIGRLEGDPFADGSSRVVSLFPGGYIEAVGGRIYELGQPMF
DKWHTKDGKLRPNTQEISRDSVREDGEKPSIPRWLLPGGTAAMSALVSATILSACIGYG
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>comp2061_c0_seq1; 195 221 661 LEN=915; translated
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VGAIDLMMGGPGASLSLMESIGSSGFLVASPAKFAVAFPLVYHYLGAVRHFVWDYFPDKYL
NNEDVQKSSIALIGSAGLISLGFV
>comp2061_c0_seq2; 150 221 316 LEN=579; translated
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>comp2062_c0_seq1; 172 202 1432 LEN=2008; translated
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GDSTIRQEYHTLRSFLEAANPGNIEASEFVDGAFNPNLGHKIPFLFTARHGVSGSDRCL
RVRPKGPSEDPNATLAIATYNQDPSKHSEDCISTGRNDLYRLNCRYRDIQWIDQDLRPH
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>comp2063_c0_seq1; 344 63 905 LEN=1401; translated
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NGVISVSGVTVRPGDAIVGDQDGVVVVPAKVADTVYSIAHGREVIEEIIKEELIKNPGPP
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>comp2063_c0_seq2; 134 63 589 LEN=589; translated
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>comp2064_c0_seq1; 144 384 1101 LEN=1101; translated
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>comp2065_c0_seq1; 615 156 1815 LEN=2023; translated
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LPASTEIGDEQIQHHHDHVVVDIDTTGGPGEGKSSSTRKNLDESALISFFNDNIGQVDDA
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>comp2066_c0_seq1; 356 1 1953 LEN=2225; translated

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SFLGVGVGPEESGGRAPKTVYRLMENLSLRSGDVTLLVLYGTPIREWASVWLGRSSPGT
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ALEGVSCGEGWIAGLEGETSGIPPSYEIDGLDRSEESDLEKFLFLARDCCYRAGLASTKGS
GTLRTSIGASAWKDCRSLSCGAGAGENLTDPSFFLRALRSQKGCGEALDLSGLLTGGKR
PPDAAAPLLPVAPVVVVATATALSTLAGLLVWVVRHRWRSKPGPLRGASDGLFSGETLG
RPGGPAPPASAFSGRLCNACRFVRADPACVFCGEGTVASPPGGMGREIERRTRECLGRAK
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>comp2067_c0_seq1; 291 1 961 LEN=1203; translated
XRPTPTTGDGNRDLGTDTSFHRQLNTTIEEGVVPTQPRIARSTHPPKMPRMTRIRSLVA
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SRVQFFGWFFGASGGMGIAGVAFPRMYEQFRALRALRGCEPSLGGERVGLSPLCGYPEDL
CVRDLEKVVNNKLSIEQIVEKFPNIENFLSRNGYITFLAYERANKGNPLVVRVAFDSFA
QSTDACDPNVAQDKIDSYKEDVYQINGTLLQSKLVGYSAGITLLFLLGLALSVMVGQLKN
GWFPSWTLADGIFNIPDFWI
>comp2068_c0_seq1; 590 103 891 LEN=1651; translated
MSTKRKFVADGVFYAELNELLIAELAEDGYAGVEVRTTPHRTEIIRATRTQNVLGENGR
RIRELTSVVQKRFQFADGAVELYAERVQNRGLCAQAQAEKFKLLGGLAVRRACYGVVR
FVMEASAKGCEVIVTGKLRGQRAKGMKFGDGYMIKTGHAGQVYTDTAVRHVMMRQGVIGI
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ELAAQQQAQVEVAAVGDAGMAM
>comp2068_c1_seq1; 806 145 1353 LEN=1666; translated
MILVSFKSFPRWLAATAAISAFALPTTEAFHPVSLQSTTGVSLSLGVTPAPSVMVAGGAR
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WEIKENQFAMTITKTFVTGTDNKSDPTGMGEFSFDVERVFEGEMTVVGGTEVAINGKILA
EDVVTSKMEKEVGFNMDIGTDQRLERRPDARPKNIGVIPSPIDSNDVKGHDGIPKEWLE
PQAPQVPQMDAFGGGSFGQDAQGYGGGGAGYQOQQQQASDWGSGSAGYEQQQQQSPGIS
EYGNPQTFGQESQGYGGGGYGQGDNGTNDPQPSFADYYGQQQQQEQQQEGYGDGSGQQQ
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>comp2069_c0_seq1; 385 1 1374 LEN=1586; translated
FSIMVASAVFITDLQKAIISRNRYRQDVMNKVIERFATYLVLDVEEAKKPVFHVVDVNGD
VQSGENVGETGTGGEHYVYVSHQNVYLCAVTTKNSNVFLIFTFLYRLAQVFKDYFGSLEE
ESIRDNFVVIYELLDDETMDHGMPQSLDSNILRSFITQDANRMAEDSKSKPPVALTNAVSW
RAEGIKHKKNEIFLDVVEKLNLLVAANGTVLHSEINAAVKMRSFLSGMPELKLGLNDKLM
FEATGRANQAKGKSVELEDIKFHQCVRLARFENDRTISFIPPDGEFDLMTYRLNTHVKPL
IWVEAVVEPHKGSRIEYMIKTRSQFKSRSVANNVEIVIPVPPDVSFSPFKSSIGNVTYLP
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>comp2070_c0_seq1; 403 87 980 LEN=1129; translated
MMFGAKLPNSRENGSLSSLLFLQTSALLKKAPIFVLLICLPLATSFVSPRASF SINNHLC
HYRKVGRKLYAADS AISADDP IPPARARLLPSVLRFRGAVDEGYGRGGKLGVP TANLPS
SLFQNALEDVGTGVYFGWVALERNYDNDIEFHKA VVNVGFSPTFEGEENKEKIEAHLIM
EDGDEKDTGDNTNNAEKNETTSDKAFIEDFYGVPMRLQLVGFLEEKKFDSFPPELIAQIH
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>comp2071_c0_seq1; 198 48 446 LEN=640; translated
MGVLTVKVVKASHLADKDLMGKTDYVVKLELEQDNLIRDKDYGYQKTSVKQGDVNPVWNE
SFNFNIPTLDNMVLTLRVYSDIGSKDDKAGWCKIKLEHEGISSSPKRIEKTIDRNLLRA
NGTITVDISYEE
>comp2072_c0_seq1; 386 1 1006 LEN=1244; translated
XQTKPNQTTSPKAKQSKPNAKPNQSDRTATTAAMMLLQRAILGASLLLAPALAFSARKGS
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RACLDGVLRSQADCVGDALGSSPLCGNADKVAEVVAGLRQKIAREERRLAPLRAAFHLAN
LSVGAWVMWTVLHGVAAPVNPVVDGLSMVGTLP EGQAPETWGVATILPQEWYWSVRDGYF
PSLLAEWAKHGGLSVDLSAFDEKVVPFSPQEWVWAAQNGSLGTMLGEHLRYGGYLVD SGY
DTEGLSPLTPQEWAVSVRGGYFGDALRHFYRNGGI
>comp2073_c0_seq1; 301 148 576 LEN=673; translated
MIKPDGVQRGLIGEIIKRFEQKGYKLVAMKLTSPKHEHMENHYADLKEKKFFPGLIEYMT

SGPVCAMVWEGKNVVLEGRKMLGATMPSESAMGTIRGDFCIEVGRNICHGSDAVESAKHE
IAMWFPEGVISYAATEAQWIYE
>comp2074_c0_seq1; 285 1 1787 LEN=1872; translated
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AVSLAGELARRLSEMRHANGRMVVR IYGAWAGRGGEHRQNNIGIPTVALNVVRSVSDGSPVG
YSEVSKLASLHRPPIQLRTGFCFNPNGACQRALGVGEETALEHYRTTGHVCGDHIDLDGGT
PTGAVRVSFGKDSLWEDMDVVFVRFLETTFRNHNPEPSPVVTGGNAPGHCEPKSGPEESKV
SVSELYLFP I KSCAAQRAPKWPLVLP S GKLRYDREFALVDRSGTVLRLQKHPKLGLVSPV
VDLEAGTMTVSAPGCEDLVVGLSETLYHGGENAVRVCGDTCGGRVWGDASVSDWFASFLG
IECWLAR YDSSLATDRVIKDRPGFSNEQPILLVSESAVATLNGVLSEQDQPPCTAKRFRA
NIVVKGHTTRGGHPASDRCHGHAEDWKTVRLSRNHRLEFSVEGDPCRCAMVDYDPETGQ
KGKTLRALASYRRRNNGRIVFGIFLRASEGILPDTSSLGAGNGDRGEEGSDAGTIW
>comp2075_c0_seq1; 222 1 948 LEN=948; translated
XKTANKHVYFHRISHRLIIHSGTTIPEALPQENRNKLFRRSDNHGQRNIRTEETPLSSAR
EAKVEHFRDDEKPDHLRGI FGLGCIDLGLQNNYLNLQLSQQGQNFQQEPTYYQPAPEP
GSYAADSYEAEVVPTEENKSNEFNPAYYQPPRIRLGYGYDHQDNRKGGMAPLKPVDTT
PNGASATMGRGKMEMLSQLLNAKASAEVASMGREKMQMLSQLLNASPSGESATMGRDKMQ
MLNQLLSSKASAEVASMGREKMQMLSQLLNASPSGESATMGREKMDMLNQLLNSKPSDEY
ASMGTEKMEMLNQLLN
>comp2076_c0_seq1; 299 283 951 LEN=1032; translated
MECEREKIESSETSSENDAFDDDKKYKSSTKRKKENRKSERKSEDRARKKERLGNSRGGK
NNEDDYSRSDSSRESASEDNRRRDRKRKRHAKKQRGSSSRKASRSYFSDSSDDDESSIS
NSSETDSYRNEARRKQKKDGRQRRRKRKEKRNRYDYSSSSSSDDESSNHKKRKHKKGKK
KKKKKSSKSEERRSVISGKKIKLHIEKTDEDLLEKKPERIIW
>comp2077_c0_seq1; 396 122 1351 LEN=1449; translated
MSNRLGRATGTVVNASQLRLILMGAIGALFLNNLMISTSHTNRIIHENLDGSDMIPPEFY
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NLFNNVWKKDRVCTLNQFRNSDDIDFQKKCELIYTFVTGANEDPNAPTERLEEFDTVDP
IELPGGYKSPMKEDINWDDVTHLNIRENMNDGKSPTWFWYFGSKMAKHFEKTETPIDYIVK
FSDSMLKLHDFLEFAHNRLPPAPYKNIFAGALRDKRPWYFKDSKLGHNQADMPRYESH
WGTEYDGVHLYLAGQCYLMSADLA AFVAEEAPFSKIRVAKGGYLEGHEDHDVAAMVYHNP
SPISLITIGKSQRFWEHPVKGAPRYNKIVARETARVNKKPFEGKILKLY
>comp2078_c0_seq1; 446 239 1396 LEN=1396; translated
MNRSSQYLPNIGVPCHRGASSSSSSKQFSDQKKTTHYIRPEDLRPYDILCGRDKATFN
NIGNRRFRVSI GINI PRYEAAKSKAQKADVIKSVCNVLQKDVGVRFLLKTKSPSTKVSGD
DECEDYYYIELDETEARKKVGHALRDM SVARQQLRQKREVAKRQGSQKNIENIHNKRYK
LTTDKQNDGVINFPMTENFQAESYTAQNNIEDTLLEPLPIIDNLYNDPLLP SQIQLESRE
GPEEPRRLSLQLPQQRPEESRRLSLQLPQQLRLEEPRRLSLQISQQLQPMQTSDDAFSQ
IEQQRIQFQQRQQQFREQIQMQLQQQRNRQRNQKQHRQFDQQHHQPHAI SMQDIPQLEQQ
QYDRHRMLLLLQQEQEQQRHQQQQQQ
>comp2080_c0_seq1; 314 240 1187 LEN=1299; translated
MIKNSVTVSDHNHDGDNDD EYFMRKSLEVAKRALDIGEVPVGCVIVLDRHHPAVVKKKDK
IICKNETNESCSIGEERRGVVISHGANQVNATRDRHAEVVAIDRLLTDGVSSDKMRLP
PDLARKGQSSHAGDRVPYSVQKARNDQWEDRWINEP SNSGHWTNSFGWRNNFDCNGASLG
QDEDKEHISIEREIRSEDI FRHCDLYVTCEPCIMCAAALATVGIRKVI FGCKNDRFGGCG
SILHLHQVEKEDTATLQKIGRGGCDNNPTTMTNKS VGYEIKSGVLEEEAITLLRSFYDRE
NFHAPDDKRRRKDQA
>comp2080_c0_seq2; 228 240 695 LEN=973; translated
MIKNSVTVSDHNHDGDNDD EYFMRKSLEVAKRALDIGEVPVGCVIVLDRHHPAVVKKKDK
IICKNETNESCSIGEERRGVVISHGANQVNATRDRHAEVVAIDRLLTDGVSSDKMRLP
PDLARKGQSSHAGDRVPYSVQKARNDQWEDRW
>comp2081_c0_seq1; 449 95 838 LEN=937; translated
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DNQNGDDQVDDSYGDDYVFYDDYALQNC EGEDCETVAKYTA YDDTYLANCEEAEDEC
NAAAAYMTAKKAKEEEELNSNEWSLSNLTDKYNSMSRS SKTWTIVLAVWFTALLVTTSYF
CCCRQSLSQREKSRGRRLRESFLGNNRRGDSGAKTSDERKRGRSKFKFFGRKGNKSKRG
NSRGPVY
>comp2082_c0_seq1; 478 336 2807 LEN=3227; translated
MRITNGTLRCSSRRGNFILLFFAFLVQSSSDALFCNAEVPVGSYGTASESSDRNSGIDG

GLWKVPTLNSESGPQANEIYLNRYRCPVGDLSPVMLEEDTGTYYVLFQRSPHSNETEENLVL
IDGGEKLNRSRGNIIYSGDNIDSKEKFGADDNSVLDHIRAGTRRYLRGAKMSRETEENRIL
VSTPIFVASGFVEEAPTSENSMRFLSTYRKNLSLVADRRDLRDAKNSNDETSADLESYSTS
ELLMLRPCGCFDEFGTFFGGVSEGSDDINQIGDPLLTFCPASSDWCAYTTSYDTDASSRS
PKLECFMAKDERVALNAWPLLWIMYAVVLCSCFCSFQGRILLDFVRGTILYYVCGCGDR
YRNRQMRNINRYNQFVVQEIILDEERVDRENVVRRHRTRNQNGNWMNFDPPRIPTITSTH
HEGLSQDNDNTEGSPITEGRGDHPDVSIGNNRLVTWWRGVVWPWQTSWNRYIKYNLLLR
VEWMAIRDEIAFIESRQERGLPHAIYEMKTRRWSSTEEDTSRSSCCRTGNEYDHSIDAPH
CTICFTELEDGDRVGLGCIHVHVFDCLMWWIQKRNSCPLCNIPIANRRRLSSEELLVKN
NNNDNRGAQNESPQEGHRNNHGRTIEEGSLEAQGSSLSPTIRNTDHGSPSNHQRRLSHLP
VTPSTIADDVDAYSTFSEEIESVVQLDDDDDESTFGRRTLEIGEESGNGEAEQTTVAVES
SLLAATRLSASSAVTEENEDKNSIMSIEDEYCNIDDFLLSKDNQGRSVASDHSEAASFA
SSARAENSVDDEVDLPSPRHVRLSSEAPSSSVMLPNHQRY
>comp2083_c0_seq1; 191 228 599 LEN=1280; translated
MIQAVFRYMLVLSMEREVTTSYIRNRKRQRKASTKMSYFQTSTVDETPDLGFGCCAM
GFDLCGNDYDAADLAAYRTFQRRQYEERKKAQKEREFFLSRSYMEQKIDTSIMLRGQSL
IDA
>comp2083_c0_seq2; 369 253 1086 LEN=1767; translated
MGLFRKKNRGADAFDIDFDDYDNSSIPREVNTKGARHSRSLGKIFGGSSSKKTDKKG
KRKSGKGNNSGSMKINYSSSTSTSSNRDARDDRPTFRASTSKAKSETKSRRHNEDYG
QVNSLCSIPPTAADAFAHGPFRFDWIDIEFNAATMIQAVFRYMLVLSMEREVTTSYIR
NRKRQRKASTKMSYFQTSTVDETPDLGFGCCAMGFDLCGNDYDAADLAAYRTFQRRQYE
ERKKAQKEREFFLSRSYMEQKIDTSIMLRGQSLIDA
>comp2084_c0_seq1; 369 308 1306 LEN=1566; translated
MTRPTGPLGIDPLAFTFSLFGLLLLFLVLYLILPRGLRKYFGAYPKRHAWARSRRMRNR
GYGDHSLGGGSITGASSVATGTTFGTHGHPGSHRQLQGMGLGASHSVAGSTIGGTTAYSN
MTGRRGFDEEQVVFVGGGAAGAGTNQMLDIQQNEEIVISAAMQQLRDPGVLIVAHGSRGK
PKTVRLQLTESAVTWRTETRKKGVAKDAKPKMGKHLQVPLSHIMYVDVGKQTTALRRVEN
ASVNDALCFSLLTKEGSLDLEANSRERDALVSCFSLVLDEVHAQNWRDIYRGPSSDMPS
SFDEIDQQQQQQPQGTQGRQHDPTAGRHP
>comp2085_c0_seq1; 558 230 2389 LEN=2504; translated
MGFKRIGRGNLSGIFHLSVATVVVAILRSNSNGTSPVFCSAWVSTSSSSTNGGTCSSST
FSALNNGATARSPSGRISDKIGDRRYWMILNAVVDSDRQGGNDTLSTSTTTKSQGRKSS
TISTSKIKTNRRIYINVDRWNSMFERLKEYKKTYGNTNVPKKNYNDGGTPALGNWVSKQRF
EALVYQNTKGEQGITPERISKLESIGFVWELGRQDEWEEKWLSMFSELEEFQKKYWSTK
VPILNKELNFKSGSGLDEPMSLGRWVKTRIQRNKLLRNEAAPAMTKERLEMLESIDF
AWSGKQASDYDKWLNMYFKLMFYQRHGTTVVSDSQGSSRLLKWTEEQRRFYRDLMTTNS
TMSASKTGAATILNLTTEHRINLLNDINFDWSHCHEDRWDDMFNELVEYYVNFNSTLI
STSINERLWKWTLQRDKYNAGSKDLDRQKITKLNINFDWNATEDVNWNNAMMYRLEAYK
RKYDTTIVPNHDGDRPLANWVNNQRVKLGKYVINEDGEFYDDHDLVERIALDLGCSPET
EFEPKGFIQKLSPTKATRIRRLNEVGFVWDAREASWQDMYQRLVYKEQNNGSTMVFPV
PQDHRSNKSSGSTEQQSESLGVVVKVQRHKKQLGEMSEKRLVLLNEIEFVWDPQEAQWA
EMFDRCLKYQKENNGCTRVPRAYSPELGAWLNTNRRAYKRKTLPQERIDRLDSIGFVW
>comp2086_c0_seq1; 517 128 1516 LEN=1773; translated
MTTGSMLRGRMLGAELAHSDALRYLTYNNSTVADSESDTSNMVNTAKDYASRIKTATSD
LTSTHPRDWDHLYLGVVTFVVAIWTLTLLCTCRKCCDRRRIQRKSVDDSYMNSFAD
NKQALLNQHRSGPYKYDMVRPRVVRGTATDAGGIASVESPSGYDYDAMPNRLPMGARLH
GANKLRSDGLSGRGVVAIIDSVDHTHPGLHDKVTRKRWFRHGTSLLEDDHGTHVAGTI
HYVAPEAELEFDYRVFGKDGDFTDGVAIAKSIRSAVDIDKCHVINLSLRCSYPVLPATKA
VQYAKRKGVMVCAAGNDGDGNGNTDELYTFPAQFDETSVAAVRKEAGLPPANFSESNA
KVSFSGIGKDVISLKPGGGHQIMSGTSMAAPHVTGLIACLLSDEPTKYTDYQLRKLLEK
HTVDIAEKGFQGTGAGFVTVLVAEQGEDEESNSLFDLLALV
>comp2087_c0_seq1; 222 64 393 LEN=606; translated
MASMQFNFDFAFEDAEDKGGGASEEKVHVRVQQRNGRKCITTVAGLADDLDIKRICKAFK
KNFNCNGAVQKDEDAGEVIQLSGDQRTNVKQFLVDQEICHALSIVLHGF
>comp2088_c0_seq1; 1147 1 3439 LEN=3503; translated
XQQQQQDGHRRPGEKTRRSTTRVESEAMSPSSRRSSRRSSRTNIGVPETLEVVRKPK
SRHGSNSSNHCGDDNSIVSAITMDVHLFHPYSSRDDNFANFTNYSEEEEEEEQRIPARPT
HQRRRPRPEKSGRSKQKGTGNNGSKSIDNNMNNIGIGQFHTALRRRGSHSDESSHRSDSSQ
HSRHRKSHSMRGDSERNLYPWDYGEQEMSGAMHQQLNPSTNITPVLECDALMRSVSSN

EDTYFFDRKSVSNTKTKKIGSEVGIDFQPDENANHSRRSRQTGMQQSIDFATGSTANNRN
TENSAHAVRSEYPPKPHDKTAIEDDNDGFPSFIMDDYDYNDDYDHNQNILRQKQQQH
FQQLLKNDTNPIPHPPITSVSSSSSSSGRIHNGTNARQNSLFTPI TKQDITDIQGI LHLCL
NLEECNPVREDALCKLFDMIQNM SRAGDRHTREFILEHNVIEAATKAIWADMQIVEVQE
AAMQLLLLISATTTLIGGRDGDHEHGKSSGSGSND SNLLSKNESVCD SILFAMQNHATE
PGIQLKGCLIFASLAGSLPDESAAGTNSDGSLSGAMTMVLKAMS NHGNSRSIRKAGLQAL
HHQCLLSIHVENNKRS LASGKLENGMAAVDVL IYAMEELQQDLVAMDWACQLCWCLTARK
DLLQELEESSLHEAILSVCQH YMTSPAGISVVEASIGTIGNLAYLDKRRKELLNIGAVEL
VLDGLRYHSNHFGISYEAASAIENFALPPDIRGSSSMVSKADAVQMLVHGLKMFKSEHEY
VVQVFRALACIATQSQSSKETICTEEILVLVLESIRKHKTP EIIATCSTLVATLATGDSN
TQSELMINNGIVDILIQCMELTNGEKAQDAACLALRNLS CQIHDSEPLLKNAKTL SLIIS
AMESHRSSLSIQSSACCIWNLLSKTEEKQLVFNSKI VPSIT SAMQSHFESGD LLELACG
ALWVFDTFNDQKLFVKG EVIDMVACAMVMHPTKTPTLE NACGLLSHLSSEESLAE AISK
AQGVNIVAEAMCNGSSISLLEAGCLTLKNTTIACPSFARDG SVAISTVINALKENVNHT
SFVVEACDLLWVLASEDDNARSKILALDGISILMHCL EENSNI PQVETSALGAFNQLAKS
NTVNVA

>comp2089_c0_seq1; 243 101 508 LEN=824; translated
MKSHLFSAPSLLLATALFLAKAASVSGMGFFNSLMAHIQENAVEEIDRMTDSSGKGIYFS
SGGASTGGVNRYA QPERFTA FPGSSSKNDEERIHQRKQLLAKERRTKGYLPPMGVTQSYS
SHDEELIERLVELQN

>comp2089_c0_seq2; 243 73 480 LEN=796; translated
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SGGASTGGVNRYA QPERFTA FPGSSSKNDEERIHQRKQLLAKERRTKGYLPPMGVTQSYS
SHDEELIERLVELQN

>comp2090_c0_seq1; 278 24 677 LEN=826; translated
MIAINNLMLTKQTVLKNKGIMMNVNSCKKSRNEINPNDVLCGRGGLTNSNIGNKRFRSVV
AKYQQEYLHARKNDK KLIARRIITEIKENDGRFLQRSSDPSIWSEISMKKALEKTSQALR
EGLDVRHKTVRPEKLVHKIDIDSNRWRTPKKTEARVVEGVVIESPSKNEIVSGEDVPNFV
QESETHFDPIFTFSHAMISEQKEHIQESESTNIEAI

>comp2091_c0_seq1; 607 288 1679 LEN=1724; translated
MGQDEKTQEEMDKQIEIFKVKKLIK NLEAARGNGTSMISLIIPPGDQISRVNKM LSDEYG
TASNIKSRVNRLSVLSAITSTQQR LKLYNKCPNGLVMYCGTVITEDGKERKVNIDFEPF
RSINTSLYLCDNKFHTEDLNELLIDDEAFGFIIMDGNGLYGT VQGSREILHKFSVDLP
KKHGRGGQSALRFARLRLEKRHNYVRKVAELATQLFVPDGQKPNVQGIVLAGSADFKSEL
MRSDLFDQRLHKIVVKMVDVSYGGENGFNQAI ELSADSLANVKLMKEKKLLQKYFDQIAQ
DTGQYCFMVDTLRGLMGAVEDLI IWDNLEIQRYKVRNIQTQEEKVLHLTKEQEGDDKF
FRDAETGAELETIDKEPLVEWFAENYKDYGCNLEF ITDRSAEGTQFVKGFGGIGGTLRWK
VDLAE LNSLEEANMDHGVGGDDSDDDSDDGSEYGFDDGDFGF

>comp2092_c0_seq1; 427 88 1152 LEN=1374; translated
MKLTKAQNGNKTRTYAYSTIFLLCASMLYFREGMSLGEYNLYDDAAKMYNSAVVGVGSD
SSSAAVAEKSHMLSLEPSKSSLHAEWKLWEEMNPSEQDEAIQKVGAYMTKYGKLIYPNAK
RRQTIKQGTCELVEFASGHALCGPKPPNGCSFFSFGINDDP SFDQKLAELWGCRGFAGDP
TVPHPSKLHPLVTFHNVGASMLQDNEERLAN KGGAEWWST SMPKLR YWLGLERVEI IKM
DCEGCEFALARDILREDPTFLYNVDQISIETHVSKAWMTT REHFYFALHFALLEEAGFK
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>comp2093_c0_seq1; 424 159 1022 LEN=1132; translated
MAVQATNVVLKENERIPGKGRYIYSYDDD VANKCGVVVMIGVGTAMPASAYRILSKK TSA
GASIVTVFFDHNSGSLDKTDDK YADFYNAFTENLSEYVPVCEGKSPKIIAGGHSAGGRA
GLQAMHRGIEPDGFIGLDPYQASKDRIRGIGAKAAPATEIASDLPVLSWGFERRTCAVD
PKIAGKSQYNLSGENNRVFFRANNGSARGVGHCDFTDSGCGPLPFCPNPQNDDVKDVVAE
SIKVFAAGVVAGSISKSNFGFDTTNPSVPIDVFVNSEDFVAPSEAE L

>comp2094_c0_seq1; 386 1 924 LEN=1159; translated
IINDQQLEATLVEPIGHRTDIPCPRH LKGFEMIAICQTRSL LASSLLLSVAVCLSQAFF
LPSATHGSHRQTHNERGLSNFNLPRESDFLALS AKKKRRRRRRKDNTATPSNEQTEDVED
LSSFDETLGPGE LPEFDLGE EEEEEKEKPKKKVNPDEITANMMGSGSSGSKTVDELISDRA
LESKLEFDDNGDASIPDFVDLAQASSTTP TYS PDDPSMTAGVGKKKQRRARVANAI AAR
EAEEEEKSFLKFPQFLNEKGEVSAIKILEQGAWIGIFLLIGWELYINSPFFERAA PMAP
IVYEILM

>comp2095_c0_seq1; 350 169 1491 LEN=1940; translated
MSSRVCFTTRGLSSLQIGIQGRRNLLFATEACSSRRYTNADDTFVSAACIGRDAQRVSATE

VELPLADGMVVRGQRWIHLDRQLQKNQAATTAPTVAVGGENPVTRILALHGWLDNCRSF
YCLAPRLVEKLGTRAEVAIDLPGHGRSSHRPIDGPTAVLSEGAYYIAEILDALWGWQDA
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AAHIRSHVVQRRGLGPLGRPHVLYPSLERVIERRMKSARMAPGGHQYLSIEAATELVTRS
TVPVYASDDDEAAEESFPKGYRFRHDTRMMWPSLQYLTAEQIASILGRVDCRVCLLAAED
GYPFRQDRVDRALACLEPEVYKVLPGSHHFHADPDTAEAVADAICEFLRGGKNRESTNTT
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>comp2096_c0_seq1; 300 275 1144 LEN=1247; translated
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SSDVVVVDDVEYAGDASAANKNQTHFRVGCSCDGGATQVCGTDYVLFSDLTYLKWCTRKA
DNNSLQIKSAEACDAYCTKTNP LFDGGIWNDSAKSCACKEDSMEVSAVACDDSSANTNDG
SGLGNPCYENGVSTADCSSSSNANGEQPSTTQTLVSSAAIMGIWLLPW
>comp2097_c0_seq1; 118 116 364 LEN=752; translated
MPFVHITWLPKTCR NAKVRKEVAAAVMKAMTSHPEADVAPENLVVRFSEAVDGFPLPKGH
SENPELSAPQTPAGEAFLKDRE
>comp2098_c0_seq1; 337 188 898 LEN=1024; translated
MKPRISLSNTAIRAEVDGMPEADIAAGVPDTPAQAADAVSEAVGAATSPAAPATVDTAA
NIITPNQFAPPVAPKIIDPDAPMPLPVAPLTDLDTIALVAGQENYGLAIVLLGEAIWSFS
KAPSVDHGLKTLVPAVLAALFVASGPMITSGDAGSISTGLFIATGVSVMGACYAARL
SAPFSPSPKEIPALGLVVAFAFFSFSQNLVVDGFVTLPSLPHVDLPSLPSISLPP
>comp2099_c0_seq1; 501 1 1210 LEN=1351; translated
XVFPVPRYNRALISIVRFQTKSGMIGHKIMQNDDGNRQVVDKIPTDIAADSGAVTVPST
QTATSEDRIVESLYRHVIESMCQDVASNHELIKTGAGDVVPSSWKLFMGTKIPTRRELY
PELYNGSDFNAASEGNKNEEDTREGGDEAGENMDPKTLNRIRMTDEEIQGLLDKYAVDLP
TSSSYSNVSP TVSRKRRTPRDMAEEEEERLLSKIKKGKESNYKDDSEDIEDDVTNGDDD
DDDDDFKMDDAEGDDDDDDDLGGAQKKKRTLSSSSATPSTDSIAEPAITDLPSSSSNS
ISNINSHHPKTDIWKTPSKEPKNRLCLCQLCGRLVSTSRFASHLDKCMGLSTSRGGPSS
ISSSTASXEKYVIVVRNAHEKSKKGLTYEEVMQKAQITSKEI
>comp2100_c0_seq1; 315 474 1490 LEN=2059; translated
MTAPEAPT TTAIGDDTKFPFPASSLKDEETSLRSNASSCTSLNSSCSHDTDTSCARALP
PSLDPSTKKRKRVSFSLQQTAYFSPEQMLSKQERKSQCWYSEVELSLSREEARAAIAALH
HQLQLDAASAGTHGKRQPSPAQPTELSNEYGSWVLRCPHDETKIVCLRGIEKYAD
AAKYAGQKRLVDSVLQQQLNSEDIHVALVSR TLSQPFTEVARYYAVKSAEELDLCRKH
EQEKERNQTEERKQEEVATVLLLIMGQENREGTLHEPPHPPGTPSPSPSSSKLQEDS
PIVTPRGSASGKRSSSFSNSPLCEQRNVKPCIRAVSDR
>comp2101_c0_seq1; 273 118 960 LEN=1016; translated
MITNSQRHSDERTRRLNRLG YFKTPGGGTAGLSSSELSSVISQSTISCTNFSFPLANH
HPDNSQNL TLLGDAAPVMVNLNDNLNEGDCRHHDDVPYFKSSSPTSCMIDISSTIRSSST
SHQSYNKSQRNRNRPPEPPPTDITAITATYNSTSVQFNEKAAVLLIPSRYQYSDRIKCC
MWSSKQEMTEMTKR NATEFAAEGWDWKNVVMERDMHFVKVTGTLVHPCHLNDKRLYMLYD
EIDRDAYDKDDYQAYDCEQEYCFQPLERKSHVMARGNMTR
>comp2102_c0_seq1; 944 220 3063 LEN=3249; translated
MSSIMVRSSTTDITETGHDRY TIAETMDDSFDDDDDEYESQYNSSRHERTII SESTYSGT
YGTTSYMSEMSEVLDEDASFIDDDDDYLSLGSEAMVGDGWVDTACGLDRPVSTYQNMCS
RKQTSLLRHSRGKPRPNFNQRS AVIPTSKLTMSAKKRRNFRLKDRSVCEHGERDIEDVED
SDIKTDARRSDEIKMMRIQPRESYQLEDDFDVRKVRDTEKTRNKNSSKSMKVKREEAAS
HNDEDEPNVKQEDRPEKASEKKMPATE SKTEDDPVIKNEAPPMMERGIEAEGIEISAQ
MSGISTRDRSVKRDPPTESEAVATREDQPADYYPENYSNLEAPASQVEGEERSKDEDASE
EDVTLPSPPSFGDKKTSGLE TNRNGNVSPIPVEEISRNP SDMVLSSTSQNEDFARTPSN
ENQKEVGDGASTSNNIEI IDVLNLSIDDEDSWTPVARHDVEKGTATGKNSNEFSRRSMNS
NRALHPMNSPMEERWIEEAKLMKKV KALGLTNSRPQNHTVME SAEDVWNEERMKLQKP
SDDIFDDPKAREAF LDRRGLRDAVMI SRNKMLSKNGT SITDSL DGVGKQVFP RSQSTG
RNPPSPPEMRTKIMQSRSSSRDRITRNRSM DPGSASLLPSRSKDLVAVRSIEEGQMRSS
NRASNKQRTFSNSHDPIV VHSYVGD TLRGYPDELQGRNQHSRTTDRNRNPSTPSRSRST
SIRSEPIVAADLTNVDYPMNSHRFSDERDDQESLTTANPNSIESSQTNVFSASEKLLKLE
QKIERQLRQVRGGVQEDLERSREIRRIESKLSQKLKSFRTDGADLQTLSSRDIKRLEKQL
AQKLSGDNEKRASRLKKIKRRGVSSARSHAHSSGMLTDDQQQLSLASSAGRDRAGSAE VV
TTPSGKSLRRSSRSQESRSEKSKYQTLQGLRSRYVRRGYSRMPETD
>comp2103_c0_seq1; 1093 61 2055 LEN=2436; translated

MKFVAAAVACIAGSTAMTLATAELRGMRLNEQDHHKMLRRVPPGFDINQFTQPPEVADDS
SGTVVEVTSPPSAAPVLPDCTPVDGAPSRTEEYVVVQYDSSANDKVINFDKKEDQIVLDV
LYEFAYKNATGPCTQKGAVNEVFDAEFLAFNEDDSTFLLRIGRITNSIGEMFSGTSESCG
PIVYNSTDPGSVDLSVRRLEEQCECPLPTAAQLVAGYSAALANEYKDEGLGENFIVGTQQ
LCAELEGCKADKKGITTYSSAGVCLGDMEALTNVPSSSPTDFPTDFPTKFPPTDKPSRKPTA
KPSKSPTEGPTKEPTFEPTSPSPAEGDTPSPTAEDTSSPTADDTPSPTITNTTSSRFLVE
EELVVSQNQDAYAYLTEAQAKQDVCSQIDWKLVNNEANRRMCKDYLELPHYAKTDAKKCAE
QSSETKVPKFFSVARTSHESLVHTGVSASNPDFERYHFSDSEALEFIEENCGADVARAY
QCLAPPAFRADLFRFCALYSNGGVYLDSDILPLVRLLEDLYDPCAVATVGHDPQGRPQKQ
MKILASQKNAPIFGCMLQKIVGNVANEFYSDNALAITGPIALQECYELHSEGVAITYHDT
RQAAFPTGMRDVHGHSVLALETPTPTVERENYKTDVDSHEVYRPNCPHTNIAKKVAATV
VDNM

>comp2104_c0_seq1; 430 115 1134 LEN=1341; translated
MKFSAISLHTCLAATALFASNCNAYTPGVKVPVPTQSNALDNNADIAMSQYEAALKAAF
EQASSTAAPDAPEAESSTASATFAEQVEEQEQQAIDQYEAALKAALSTSAAGAPSSISF
GEADQNGPNWESISENISSQIEKAESKIGAPLSAAAKGEIVGTVLAGSAVLGTAAINSPL
LMGAALGYASTHVLSGKRGEDLARVSKDAFLSAVTFTQTQLDQEEGDISKASARIMQHLQ
HEAQNKAMEVGKVAQTQAHQVTRDITNAPTHLVEEGKKI IASEDFKKMPNRTFKAVQAF
LSDEVKRAKESVVKSIKDGLESDELKAVKDRATRSLKEI

>comp2104_c0_seq2; 437 115 1155 LEN=1362; translated
MKFSAISLHTCLAATALFASNCNAYTPGVKVPVPTQSNALDNNADIAMSQYEAALKAAF
EQASSTAAPDAPEAESSTASATFAEQVEEQEQQAIDQYEAALKAALSTSAAGAPSSISF
GEAEPVANQDDQNGPNWESISENISSQIEKAESKIGAPLSAAAKGEIVGTVLAGSAVLGT
AAINSPLLMGAALGYASTHVLSGKRGEDLARVSKDAFLSAVTFTQTQLDQEEGDISKASA
RIMQHLQHEAQNKAMEVGKVAQTQAHQVTRDITNAPTHLVEEGKKI IASEDFKKMPNRT
KAVQAFVLSDEVKRAKESVVKSIKDGLESDELKAVKDRATRSLKEI

>comp2105_c0_seq1; 432 129 1704 LEN=2050; translated
MARKLFAPLVVISPPVLLCRSGISLGTSSNNIAPSSKSTTRLLLLNIPKLSHLSLTTTARTT
TQSRRLPRTNHFYTAKKWFNIHSISGEPIIKSTDYKSSRVEQAFDDGSLETTRAPSLK
TNSIPMIRKAGSQRLRNKDCFAASASQQLGEMSPNIKTKDENRYSVVIDNGFMKISMIPT
LTLSDGKTKRMDGDFCENNCDSPNNFEKVMQSPSNRDENEFKKQKIEIPETVLQYQRQLRK
TQAAKRASTPLLSQLQVVYNDKHI VVVKNSPSGVLTPVPGINSNP SMLTLLHKKYEHMDP
QMKPEHMIVHRLDMDTSGIVMYAKTKKALLSLQALFRERDGMKYEAVVCGHLNPDVER
GSIDLPLQRDRHFPPFMRVATPKSEHEAQVVKDLKNAGWKKIVKKPKPSKTLFEVIER
EYVYCDGYAEVDENLCGAKEKQREVKRYPVTRLKLTPTITGRTHQLRVHCASIGHPILGDP
AYGIYGEASANGGFEEDELMDELIRDRASINLQSLSLNEYAKAKAK

>comp2107_c0_seq1; 227 1 1006 LEN=1075; translated
XKIDTRTYVSTRSSPPP IGFRAVPYRIVTVYKEISLRSIGHISYIDSFQPFPMRRGWK
VPALYLATCTSSHFALGFVSHQLSTAASAWKPASSLIYGSPPSGSTFTRRNMSSEVV
PAKDYGPTDQSWRSLLEVSMARSRKIRGSNYVQI STATKDGEPRCRTCRTVFRGFLNNKNLP
EDHPMSASGNVDGKPCVMKMCCTDLRSNKVAEVAHQPISEMWWFPKTSEQYRVRGSLLLV
GDDSGDRDLQIARKELWGNLSDPARESFLLDKLPVPVGGRDDEGKVPVPENFLMLLDP
IHVDFLRLTGAQYRQIDERQSGPDGSTWSAKSVKP

>comp2108_c0_seq1; 362 87 1670 LEN=1778; translated
MNGETFNVDPDFSVIFGCRSSLSLVGLTTAVVGYWLMERKWDNEGTALEKPDQRVENE
GNGIYIHMYDPNRVVAQGFHPSGERDLVRVRTDDSEDKRYHPGQAASNSTEP IQSLEAAK
YYSSPDILYAKLAHALPVPRTMLVGFGLWLSFFLDPSLGGFRFYANFWNSCCFIFSGLL
GAILGFPMRTATLERDAEQKKKAMAFAVACSVLLWIVAIVDPEVDGPWFYFNVFGVLFILL
SYPAFMASRKMGYTWFTEGKPRSTASITIQNMGPLLLIFGVFLLWVGTNAIYMVDLNQSY
IPFWTTAVRGWVVFIAGMFLIVPAHMALDRAFDQGSQPVVPGFRDITYYKMDGTTFAALA
RENITRFDLAWMARLLETPLLGSIWILMGLCSFMPFGIMDPTIQKFFTMFLCFVPPVQ
FVLLTPAFWRSRADFLKWMRVYCALMVALVVAIGHSSGIAFLFSFIGMGLIYGKRRKDF
HDERKRGNLWLTESPPSANPSPQVYGLGQPLHVLGWILFCTAMSVPM

>comp2108_c0_seq2; 221 87 770 LEN=911; translated
MNGETFNVDPDFSVIFGCRSSLSLVGLTTAVVGYWLMERKWDNEGTALEKPDQRVENE
GNGIYIHMYDPNRVVAQGFHPSGERDLVRVRTDDSEDKRYHPGQAASNSTEP IQSLEAAK
YYSSPDILYAKLAHALPVPRTMLVGFGLWLSFFLDPSLGGFRFYANFWNSCCFIFSGLL
GAILGFPMRTATLERDAEQKKKAMAFAVACSVLLWIVAIVDPEVDGPW

>comp2109_c0_seq1; 277 128 847 LEN=1448; translated
MISEIANSFLTYLASEYILSSPSAASSSSKSLSTSRTLKSANANSYENHCKKASLEKDN

CVVLGFLLSMVGIANLLDHHYYLSVVWESATELFPNIPSYIYIPIAKLLTAATSIVLALY
VDIHRMRKSDNSRRSKHRIKKIPFRTVFLPRVWAFKILPAYPFLAVLISFGFLFVVDL
WDFVVFHLPDLWLNPIYYGTLYGPFAYTYVYVKREIVHRNNDCTGTGGESTTESSFV
>comp2110_c0_seq1; 647 83 1963 LEN=2062; translated
MPSKSRNARSTDGSSDVDRERTGQSSITITSLILVILSLVFFVIFGGSLIGGILSGDPS
NVFFITIVAASAFASVALGVSVRYVLTQRSKRQRAEHGDDYFAKDNHVRETFSGSSDEE
NHLCANRPSDYDPRDGHYPPIESEIKEIEAKSVFGEMSALSPTTYDGGSLSTYRHHIIR
DNHHRGFDFSSITSAKHGDNASGRQDPPEGTGLATIQAAWNTRAVSREPSAPKFSTEGET
IVDNDYSKDANDDCDEKSSRSRKSARSRGDLEEKSVRTERSKYSQRTKSSSKRSRSP
SNLRNGKSPANSEANSFFSSGRKEKEATVHPVPPMSTRPGATSSVKPSAVPSTPAASEAG
SFASSFMGLFAKGGKTASEAGSTSMSSDKSKTEPKKDPDGKKKDRKPPMVRPPMMPN
KKGGLQSVGLTGPSVSTPSNNSTFTIPPRVVPRTFAGGDFSEFQSVVESTYSNGVA
SSTFFDQARERALQKLRRNQAAIGAAPIGAAPLGATPVDAGDMPYYTDDDDKASSVGGN
SAAQLNSYDVFAAPPALGIVVDTTDKGCIVYSLKSSPMLGLMHKGLIIGLDNFDVRNM
TASSLTKLMAKSDQOERKFTLVNN
>comp2111_c0_seq1; 380 280 2107 LEN=2851; translated
MTEESGISSSVKRCLEGFPAIFGVSAVFLFLWRGTTVALCDAFFFLPVATREFGAHPCN
INFDESEHRLRIQRVKEPTKKHDQNTCSGRIYSCHSSITSHHNEGGDDEEEDKNEDNINT
SRDYSFLMVRSSSRKMLRSTPGTIAAAVFGTTSLAGVPSITFGEESDSENISTTYTSQ
NADSSIRDRNKINDIATGRKNESSLHRVLESSSVYRVKTAPTIVRLTGRRTPVVPALDAKP
PSVHRMASQNLLRDLQSKRALVLGEHHPDPRDHLQAALVRDLHKARRHSGSGSSEMVA
LEAVQQQFQPFLLDAYVEGILDNDELKVATEWESRWYWSFDAYLPVLRTRCDLGIPLLLD
LSSEDRTTVERGGLESLSLDRLNYPDPDAFCFSFGSTAAAYRAYLDYTLRPPYELLQMA
KQGPASSNSSGIPFSTFVENAERRGDGLGLHTVAPPPRRIAGGIVGTNHAASFQCGVPR
IARTLASNSGEKRGRAAVASVLINPEPLNTGTELRI CNKDGTLATNDYDDEESPTRIGFL
PNSGNQVCIENSTDLQNYALQFQFASFSLSPSQOQIGILQEATLAQQTAEGENVLGLADYL
VFSPKEKT
>comp2112_c0_seq1; 285 274 1155 LEN=1554; translated
MAASIAGENCSEFKVQSTKNIKEIKAILFDMGTLDDTESLADKAILMALFGCSNDNDDSD
QPRLPESLRSKPPTSEWRLPWELKKKILGLRGKEWAPICLDFARQHCERSLPTAEDLINL
WEQNLNGMCSEIEACEGAKALVKSIISSCNSSNSKIPLAIATSSRMMSGVDKTRRHEKDL
FECIDEIVTGDPAVKNGKPAPDIYLEAARRLGVDPTECLVFEDALSGVKSGKAAGCQVV
AVPDPFRFSNKERTLFLNEGGADVLTSLWEFDGREFGMDFMNEIAQSRGQQ
>comp2113_c0_seq1; 393 319 1239 LEN=1736; translated
MKFMENEKLNQISSELSEAVLKDSHRMIQGRIEAYTMKRAGNDKKFAHALGQKYIAEIED
LQEEAATVERKRRRRNSSESLFTTTKSKLSLPSTPESTKAPSKRERAKSFDCTLDST
SKTTLGDFSEISTRKLMTDLILTLNASFPDYDFSTVKPNQFQKVKMADVRSIHNLSF
ASQRSSPNFLEELWDALNDVIDLQEANVYSFDYEFADDDSGNNSLWNFHYLFFVNSVRR
IVFFTCSERISDDMTGAQGSADDEVDDTSERVEYYARENVTYPVDDVDWDPGDNIAGGMSV
EVTIGG
>comp2113_c0_seq2; 393 535 1455 LEN=1952; translated
MKFMENEKLNQISSELSEAVLKDSHRMIQGRIEAYTMKRAGNDKKFAHALGQKYIAEIED
LQEEAATVERKRRRRNSSESLFTTTKSKLSLPSTPESTKAPSKRERAKSFDCTLDST
SKTTLGDFSEISTRKLMTDLILTLNASFPDYDFSTVKPNQFQKVKMADVRSIHNLSF
ASQRSSPNFLEELWDALNDVIDLQEANVYSFDYEFADDDSGNNSLWNFHYLFFVNSVRR
IVFFTCSERISDDMTGAQGSADDEVDDTSERVEYYARENVTYPVDDVDWDPGDNIAGGMSV
EVTIGG
>comp2114_c0_seq1; 1039 17 1900 LEN=2004; translated
MKLRIASFVAAATHAFVVDTKTSQRHNGHVLYSTTAATLGSAPTEAAETFGTVVGD
RGAALRLENVAISRATPLLNINWSIQPNERWGWINGAGKSTLLGAIITGTVRMDEGK
ALVHSNVRVGYLRQSAVSGSTKVAEEARSEMTHIEEAKIELEAATKVVEDGDYSEEALD
KLATAQEHFETIGGYQQEQMVDSVLKGLGFEPEDSDRLCSDFGSGWQMRIALARLLLSKP
SLLLLDEPSNHLDSAKDWLGKYIASYDGSVVLVSHDVSLLDVSVNSIAEIAAGNTVVEYR
SCSYNKYLEEKEFRAASAQAEYERNLEEAARLQAFVDKFGASATKAKSAQSRVKMLEKMK
KEGKLDPPPVAVARERDPELVLPKPKNGEYLMKMKDATIGYDPSEPPLLKNINLKIP
RGMKLLLRGPNAGKSTLLKALRGNVPEMIQSGERVENDRLFLGTFTQDLAQELDPDSRA
VDLVTDYARSGSDGNIRVTDAAARGVLGRGLGGEKPLRKVSALSGGEKARVALGMFALK
ASNLLMLDEPSNHLDVGCISGLAKALSEWGGKDGAIVVISHDRKFCEKVGFTHVGTVMG
KLVLEQRSLRSDWDQYDINAASRSPA
>comp2115_c0_seq1; 141 184 429 LEN=778; translated

MAPGGVMLIPFVRVVISILLVLTICGFVADVARIHMVVLGCLSGGLLFSLSMFEREFNK
VKNRGPPSTTTTTKLANSNKTD
>comp2116_c0_seq1; 476 124 1374 LEN=1866; translated
MWLTHAGLGVAIAVAFAVWTRGSSSPLSLPWQGGFVTVIDPCPSFETERVDLPSPADEN
DPLLVDAAEHVLLGLEAPEDGFRLDGTGNGDEWIWSMGNGDLLRVNLRTMVALPFAHTGEI
HEECGAMHMESRCGRPLGLLKLPPEDYDRYQRYDSDPVATKQDKGNGSEPAEAETPLCLV
ADAYKGLMLVFSRGTIVPLLEAVAGQPLFFANALARAGDGTIFLSDSSSRFRSDVLEET
LESRPTGRVSWNPDETVSRLVASDLPFPNGLVLRDNDKSLLVALTTRHQIIRIDLSNHG
ESGWVAPEPVLFAALPGIPDNLHVFHSNEWNRSVLWVGTSTKSSPVVRFNRWPQIRKLV
ATLPRGMMLKCFKKYGLLLALDPDTGELLRAYQDPTGTTGYIAGIHFDSDSYAYLGSW
>comp2117_c0_seq1; 371 115 855 LEN=1518; translated
MYLTRSEYDRGVNTFSPEGRLFQVEYAIEAIKLGSTAVGIQTKDGSVLAVEKRLTSPLLD
PDSVEKIAEIDSHIGAAMSGLVADAKTLVDHARVEAQNHFTTYDEPIGVEPLTQAVCDLA
LSFGEGSDGDSSKRMSRPFVALLLAGYDDLEGSQLYFSDPSGTFVRYKAKAIGAGSEGA
QSNLEESYSDSMTLKEAEELALGTLKQVMEEKISTDNIELARVTPEGFQIVKHEEVAAIL
ERLTTG
>comp2118_c0_seq1; 281 90 1010 LEN=1550; translated
MSFEKTSPGTTAASCSPKPLPEYVSDELEYLQPSQVDEAARLLADCFLDDSNPSPQYSW
IFEELLLTEEEERAPRAAGNHKEDPRIGSKRRSRQDALRWIFRKNLEIELEHDAQNR
TTACRCSFRKPNQPPEMVCFFILKDVQSPTTNSGSTDKKDGESGDGTKISTWTMLRNG
ILWFPILFGWRVVFYRLLVVKNYFDATLELLSNHVVRSCRALERVVVHPSLQKGVGTF
FLRKALFGDGTDDGSAGNGNSGGGSVILHTQEERNVAFYSRLGFVVVKDRPFSGGTNWA
MVMTSS
>comp2119_c0_seq1; 267 1 904 LEN=1022; translated
XMGSGASSALTQKNHRRRIRFQTKYENIFDMLKSTIQSKRSSTEKLSMFIGSTTMPRRR
NPIILWYMAFLLVLSTANCVESFSVCFGLGALLTQPKGLITTSTKGDIPALLEASDFFVD
AFWVGKVGGGANELSEKQRRTLSASQFYEFRSRYAGAGRGQSELVTCRLPSGDLTGACAGI
EVSPIPDKGLKGLNTKSGPLMSNLAVGRDFRRKGIAEKLVEVERIVRYEWGYDDCYLYV
EERNKPAVRLYQKLGKYLWVDKEASTLLPSSNGKLTNSATNIVCMKKRLDLGIIGRLLP
F
>comp2120_c0_seq1; 366 110 1159 LEN=1233; translated
MGRFFKKFRQRIESRIDAAVAEATGGGGFGIANQTAAQLSFEEQKPDMSRQKDVRMISGC
EDSQTSAVSNVAHFSLPDPAGRAGGACTSTLLNILYKDETVPEDTSLFTQVLELMRSDL
RRGGYSQIPQLTSLNKIDVETDFQLVPSTATGVHRAVMVGINYVGHSPGELRGCHNDVLN
MKKYIMEVHGFEENIVILMDDGIHTSPTKENMIAAYEQIVADSEEGDAIFLHYSGHGK
LVDQSGDEDDGYDEALVPLDFRESGMILDDDLDFDILIARLSDGVHVMVSLMDCCHSGTILD
LPYIFKPMQDGSMPQEMQLDDSVNLDGILQQFGGQALGMLTNFLNSKLE
>comp2120_c0_seq2; 361 110 1334 LEN=1408; translated
MGRFFKKFRQRIESRIDAAVAEATGGGGFGIANQTAAQLSFEEQKPDMSRQKDVRMISGC
EDSQTSAVSNVAHFSLPDPAGRAGGACTSTLLNILYKDETVPEDTSLFTQVLELMRSDL
RRGGYSQIPQLTSLNKIDVETDFQLVPSTATGVHRAVMVGINYVGHSPGELRGCHNDVLN
MKKYIMEVHGFEENIVILMDDGIHTSPTKENMIAAYEQIVADSEEGDAIFLHYSGKSRN
VMQELYFIQELVIATVQGNAILASCFLILSLGCIDMLTNFCAFLSCTGWQPAGHGKLV
DQSGDEDDGYDEALVPLDFRESGMILDDDLDFDILIARLSDGVHVMVSLMDCCHSGTILDLP
YIFKPMQDGSMPQEMQLDDSVNLDGILQQFGGQALGMLTNFLNSKLE
>comp2121_c0_seq1; 348 148 1259 LEN=1393; translated
MANVTDPLIKSIQSDPQNLMEYITRQKIYDSRFWKEQCFGLTVADVMERAVETLTCVGG
TYSGMGKPTKFLSLVLKLLQLQPDYELIRTFLEQTHFKYLRLALGAFYLRLTGRPQDIYEL
LDPLYADYSKLYRGVNEWKLVHLDEFVDELNTNSFCCGIAMPRLPARETLQEAGYLEEG
PRRTALHDALTRAGGIKEYLRIVDEEASARKSGINDAVNDSAFGGAISLXGKRYGKLP
IERGEDDENGNTAGENLESTRDNEVVGGDNHETESERGTGQNNSEGRLGKRKAADTDADSV
EAKKKKKKSSKYGSLFKSSAVDSSKNSNSMLPKDEEGTQSSKSVQNSDEYWNELR
SSLGMNPLKK
>comp2122_c0_seq1; 265 27 803 LEN=1601; translated
MVPPLARTSIQTLQILCQKHGWYLFGADEATGDWFLDIFYGLGEWKRFMVPIPKQALHG
KTLVSEAAVLGLREIIEERESKRILSFKDVFPNPVIVYDSHKSSTWERFWNDSPTVEGVD
CEGNSISPPVLVQISTENYTIETPLDGHLENLQRLGKMSIVKIFCDNYSHRDKICLG
LNVYGDYNERDQVSKKTHIVDIEILSNRVIGPSKTPRGLSKLVCLCFPELNVRIKSGKS
MKQRFNRNIGKFVEIEQK
>comp2122_c0_seq2; 290 27 938 LEN=1460; translated

MVPPLARTSIQTLQILCQKHGWYLFGADEATGDWFLDIFYGLGEWKRFMVPIPKQALHG
KTLVSEAAVLGLREIIEERESKRILSFKDVFPNPVIYDHSKSTWERFWNDSPTVEGVD
CEGNSISPPVLVQISTENYTIETPLDGHLSENLQRLGKMSIVKIFCDNYSHRDKICLG
LNVYGDYNERDQVSKKTHIVDIEILSNRVIGPSKTPRGLSKLVCLCFPELNVRIKSGKS
MKQRFRNIGKFVEIEQGAEPKLGICDLNDTQRQYAALDSWCTLKIYQRMVSIKKEIAG
QVN

>comp2123_c0_seq1; 357 188 1231 LEN=1490; translated
MSVLSRSRPIRWGILSAGKISSDYAKAVAVTEGSKVAAVAARSLANAESFAEKHGISKAY
GTYEELLRDDSIDVVIYIGSIANQHYPLAMQSLAKKPTVVEKPLTLSYQDTNSLVSLAKQ
QNTFLMEGLWTRCFPAMRKVQSLIQQGTIGQISTIQADFGWSTKDCGPEDRIWAPESGGM
ILDIGMYMVQLGQVGFSGSPSRVQAMGNFRNGVDHTVLTNIQYGSSGFLQFIVTGDANT
EERVVVQGTGRIILEPPAHVPTVVKLQADAGRGVIEEEVFEFPLPDDSYTTWNYPGSIG
FTHQIQSVTDSLINGEKECYFTHQDSLEVASVVDQILQQVHNQQKE

>comp2124_c0_seq1; 271 266 535 LEN=535; translated
MGQSASTGGGAEGPPDLSSTIVIAETDEEDDERSGSDRDAFFSDAKAGGGVEGIGGKNAD
ETDSGSTWSSSSSDSSSTHSGSSSSSSSS

>comp2125_c0_seq1; 338 349 1535 LEN=2128; translated
MMFRLMFRLDKAVLTTLLLSWTMSYFLCGKDAAVLVEASTSFSMESMMENGSTTISQECL
PWWQRQIDVAEVFLVCDHQSGDGEDGDDQYYTNRASCRTGDLGKVALGFTVKNQLPYDS
TLFVSIKTHYYGRSATIRNRTDVCFSFNLGYINADGAFYSSGSNDDNGDADDGGEGGDG
SGNPLCPIQAGMHYMLMESFTLQDSSASRTSNWQEFKPDLSVSFYLSDESPPIGCVLT
GTRAKHALDQRRSRDGVIALIVSVFSFVIVFGLCLHNQKQRKKAVALLENRNVAXDDSAV
QLSKEQQRWILYGADDGFVEPRAQATAGGRPVSARGALRQSPREPATGSAPRSSAAVAITTT
ESLLATARIVFPETHSCPDGVTARAQALTSKALE

>comp2126_c0_seq1; 560 170 1762 LEN=2649; translated
MRTAAQAGGTIRRRTRIATNDGGSDNNDGFGLPNPSRVRRQRTRNRRSNGALGFAGAIIVV
AIAIAGGWTLPGVVPSAAEALAVSGTGLPPAAALRSSGRSERGGHPREQAQEQQPSPPL
LGSCRQGFPGSRIHQNRLARTRLHLFFNQRDENGNLVQKPAKRAKPSDDLDELRSPLGIS
FPPKPIRLTGSSSPKEPSAGTDSPLVLRMTTEDLRALVPMCINEFGSISQPPPEDTHA
KKGLRGLVPRWIQDPKRIPELWEGKSFELLIYTLRLKLMQGGGNSGKNSGSISSGNSSGS
NGNPVANSNGNPGSIPNDMVMLVLCENEKPKQEQSKSLWRKPKPAAIAAATTATTVEAT
QSQPLSPLSPQQRVVGMIELSLQPPDADRNPALPLPRWFKAALARQTTIDGRLQGWITN
LLVDDDRRGRGYSKLLVAACEGIAKHSWGCSSVYLHADADISSGRIPQSLYEGMGYEAUV
GSTQKNPNGARSDGDGGEYAWAGVAGKELERFTAIRMVDGVALLCYSKKL

>comp2127_c0_seq1; 222 699 1115 LEN=1410; translated
MSKFTFCLLTVLVAACSAFAPTSQLSSATRQASMTSSPFALNAVEDYDSEYWEDEYPPS
KVLGPIMSKMPSGLLAALSVMVFLTSLVLSISGSAALQQEPGAFENGSWVKWYVVLGSGFG
PLAWGTHVAAWIQRKNGM

>comp2128_c0_seq1; 696 123 2252 LEN=2876; translated
MPMLTLQQARSDAVANEAEQRTTSPEHKRLLSERGEHDTTIGESKRRKRLSESLDTELVV
TGSSDDKTSKKIQNKETIDGVTMLKPSDKKKVDPTELASAFALASLASLSPGGSSVGS
SGISTPPRESREANVIRKTDKLDDEVKAASFESETRSPKASEHPLSPEQLSLREQEDH
SASSTVNSPAGNANRRVFSAPNTKSAEESKVPSTPTTSASSSGELATSTSHRSLAMPQE
SPGKNGRSGRSSNSNTTINTSPNSMMQMSRPHRMYGGRGLPPFVRTPPQVNMNHRLD
YGTPPPPHAPHYHRLPPPVTNGSMPPGSRHGGPVLHHRQQFGYPGAPPGHRFSPHQY
FPPRYLMQPPLLHRTNSYGVGMVPSAPTTPNQGAPATTKCNQWVCDYCNVASFSSYEEA
CAHEEICKKAGPKAAAQLLSVRSYSSASMDSDSVSSNMSMMVGGHLLPANNPHLHPAF
GNAMEAARRHHHSLALKMGHQHRMQIDGNNSMISGSNNGSSSSNNNRPGKATPVSAGK
GNSREEQQPMTEEERRRQEMHLHSLGGYIVYPNDVEMIPPYVHFLMRQVEPCLFTEADRF
VARSKGPVGYPGFQCRHCHGAGLGKYPVSSKSLSTNSTSQNIHAHMLKCRKCPDNVKE
QLVQLKIEKSRAARLEPGWRKVFFDKVWKRHLHREAGDNDEQATCKTQSN

>comp2129_c0_seq1; 564 1 1383 LEN=1653; translated
QNTTQHNTIQQRHKMSRKALSVDTGDDHQVEGTMSGVDTNANTPVADNKSGSSFLFRS
PQSKTQALRPPSPKTSLAAENERLRNELRVLRRQIQEMEEFQDWKQDSNEQHRHTQQY
QQHLLQSSFSHDYHGRASKNTSNKVIVELPEMFQSSLPPPTSESEICNHRDGTVKEK
HSISTADDQETVEPILDIEAHHQSAAGLHHRNTTMITSNHTKKKKEVLTEETASSASSC
GNSLGETDVEAIALIEGIDSHGNKTNTHHNTFWSSLLDRAGWLIGLLIFQSLSSFILAR
NESLLTHHSVIVQFLTMLVGAGGNAGNQASVGVVVGIAVGTIRRSNARRVLLREFAMGTC
LSIILGLAGFVRAKVFVWPWLETMAITTSFLIVFISVVVGATLPLCMEAVAIDPAHSSST
TIQVMDITGVIITVKVSSFLDSSGGDWLGAVALSMDGETR

>comp2130_c0_seq1; 1130 40 1479 LEN=1578; translated
MKIVSSLAFAAFLATTEAFGPAQPLKGVVSNGAANGMTMRYGIKDQALRGRVCAIVDANP
TKEIVVEEELLSDSMSEAIKGANWKLRLKALIRKVTNQAARYDVAVDPAFGKADTQAEERAK
EAVAGAANKAAKVAAIKAAADEFANQAARKERRAAHKARAAEALAARKSGAPAPAAEEA
AAPAPAAGGEITPKTIKALRDLTGAGMMDCKKALTESGGDQEAFAAEFLRKKGLAQADKKA
TRVAAEGKIAVSTGSDGKAVMVEVNCETDFVVGKSTFLAYCDRVAGAASASGTVVVDDLM
NEEVDGESLEATRQALVSKIGENIQVRRLESRGDSTTVGGYVHMGTIGVLVEIEGGSEQ
LCTDIAMHVAAMNPPFATADDVPQEVLDNEKRILTEQAIESGKPEAIVEKMMVEGRIRKFL
EEKCLVSNQNYVKDSLTVQQLLDKNDKAMIGFSRLVVGEGIEKKVDDFAAEVASMAAGN
>comp2131_c0_seq1; 249 536 1735 LEN=2057; translated
MASEDDTDNMAAGLELNQLHPKAVMWIPRIVGVITLVCGASMISMAWKRSDRLFHRLVL
AMAIHLAILGIALIIGAAAIPELSNSDEPSESILGYHGTEATCTAQGFVVFYVCFMASMM
YYCSFSAYSYLGVPRNFVSRGFVAGKYIHAFVNFALVTAVAIVLLDGFNNTGLGFCGP
ARSDISTYKFLMLVPLMLEIVFSSVVMVLLYGKVKRNQAMIFINARSVARQATIYLAFLY
WVVVPLLSQCISWATNGGHGRSFMFVSVNFSLFGLWSMLSYWYFSVEQRHHKRRRGD
DDTADPTNTFFATERTQMDSMRGRSSNCIFSSKEFNMSRAKGESEAPNSQTRTQRFNFNI
FDGTNASGRFASFVFSGDDEDEEADKIESDKWKDIQDHV
>comp2132_c0_seq1; 540 1 869 LEN=869; translated
XKNNEEEGTSKEDEKKNNGNEDNEDQDISKEKDQKNNDGNKDNEQGISNEDENVNGIV
DEENNGGNKENEDEDISNEDEIFHDIIDMENDDGNKDKDTISDEEEMKDNKEEEMINNG
NKDNKNKDITSDEEDKKNKNKNKDNKNKDKNKNKKESEDKTDPTTAPSASPSHAWSK
TPSIEPSSFVYGEREAPITSPDIISSTDSPTFFLVNQLLEPTTYPTMIYKNTIPSFVAVNI
GVTPVPSSFPSPDKPSIHFSNSPSDGPTRPESLNPSPDAPSVSPSGGPSQAP
>comp2133_c0_seq1; 388 590 2107 LEN=2248; translated
MIVIDSTHTESSPLLIKDKGNDQISIGTDKTYNSSEDFSAVGSDFRDPDPSSVVILLHRG
NDNESERKDHNDGDHTKLKSNCEEPLQKSLIEGLAEFFHDITEALNEVYVPPDENYM
IEMGLTRNLSILHDDVVEASVLLQGSLLLTSEDNYDTEAGDDNCAERFVPGAVAAAIVP
LGAYLLLFSIAIVAMSTIGPLLELQGDTTATMKVLWRMIGTSLLLAPRALIDIYRQAGVLR
LTPPQWITFFLSTFWFVMAIGFCLSLDYTSIGNAVILSNSQALMLLSGRMCTGAPVTML
EFTGAIVAFGGAVLCSRDAADTMDDKDESIGFGTTITGDLLALASAIGGVGYVTLAKTS
RAQMSLFVFMFLTMALGAVIVVLFQVAVLKEIVTWDRDVHGVWGFVWDRFDRLELV
VVLICNLVGTMGYVRAMPHFDAIVICSVQLEPTIAEFLSYFAGVGVLPGLLGWIGNAAV
AGGTLVVVSESQKFHDASKKTSVH
>comp2134_c0_seq1; 387 269 1548 LEN=1806; translated
MATPTEVLSQGVSEKNEKNSDGESENTPKPGSVHLMPSNNAIPFPWKLHRILGDAETQNF
SDIISWVPTNNGFKVHKPKSFDTDIMPTYFNNTKYKSFQRQLNMWGFDRVGSFPFKGAYL
HQYFVRGNPDLCEMRHRTKIKGIHKKLRKNRFQASHGSDVRSSSHSSMMTMDSGMPCFPS
PLDPHESFKAAAQKVADLERKKEEIQRKLEMVSNRANAASVSNALANMSGMIPRVSINSE
MQIQASTNNYRRNDFFPLPGAGEGDSLMFGGQTFVFDANNQNNQQQHHQSPRHRVAR
RYSLEPKGPESDEYVLELEQGMHGNNIGMKTSEEDFLMPTPLPPNMDVIKVTTKFPNST
PAPLVIGLDKPKRRFSFLSTPVENPLDXALRDTASPKSCDEQQHDEQVDYEQFRQPEWHD
DDELEL
>comp2135_c0_seq1; 325 1 650 LEN=891; translated
XFTQDTINKFKTTTSMKVISPSIVSYGAADGIGTMMTEGVRTLASQPAPWLLQSHLETIM
LGSVILDAMAGGIIFIFSNTIMKTFAEFDDEIGINVMVLLNKIIINPLFAFVFFGGLISA
YPAIVMMTRPDEFKPARYYALASTLVFFFGEFLVTVTQNVPRNDALMAADPTSDEGVEY
WRKDFLGDWVAWNTARCIASVVASILGGLSLMAMRS
>comp2136_c0_seq1; 192 1 566 LEN=1658; translated
XEMPEQIYDTQKSKISQANYVTIGMVSASLGFACKENMQYVFQSQYVGDDELLTLFLRSL
ALHPLCAAISLQSLGVIKRDILGDPSSSLGRILLPAVILHGAFDFAEMLLAYFLYINDLEEQ
GTFAPSSAQDTGSPSSGIGIVSPVGVGGIFMIVGLMYFFFRARLQQNQLALAHMSESTS
ALELSSFV
>comp2137_c0_seq1; 156 60 303 LEN=303; translated
MGQSASKGLSKAAEKAARQAPAKLKRPPIPSRVLRTOEASAQNPEFSLRGQGIGAQLDRD
RQEMYLQHAQQQRQQQQQQX
>comp2138_c0_seq1; 390 1 1118 LEN=1240; translated
XRTAAAANSLRRMSVRARLSGSDGALFMSKYERLNQVIDSPRHKHRRARGSRHERGQP
YTGNDNTQGHNHDLFLDEETVEDEVGNADSSSSYREHIPSPTNNVMDPTLFRANRSGQ
RVQVRSSMFFEQDGRMLMRLPRDQVRLVMDYNLEPGILSVEQWRSKEEADRTIERMAVSA
DAATPRTKGGPNHGSQTERRRRDREKRRLREKERERRRQRKRKEKKQKKKLLREKAA

AATAKNDTDGSATEDRDASGHDPGDSSSSSSSSSSWSSSDSDASSSCDYLDDYDLEEGRPGL
AELPELKYVITVPDDLRYRRMVGEMSAKIFPPAWGFFKCHQESERADIKLALVILAVVMA
LLFVGSLEWRTT

>comp2139_c0_seq1; 421 179 1099 LEN=1240; translated
MLGENFTGATKVVSSLATSLFNESLSDYIDYHKPDPIARRQLESWKMSWSEDTNDSRKSND
NANDKKKHLWDKPTNAIEGKLEICGEYVAATIKMECFWTDWNPVNDKIEDGRLCFSCK
LISGRLLIDKKDGEERTERKVRKKMLTRLRGDSYISKMLAMTEGGKSDTKDIQTHHQLCLA
QASIYVNATKFEMEERVDVSESVAE TLRRSLWPSIHSSLDVVEVILALPSPCRTPGSKT
RATTRLANRAKLRMLEDAMLDECEKEGDDQIIEDLNISNEQASSKEDIIEHESADSSSRK
KKKSKR

>comp2140_c0_seq1; 443 347 1354 LEN=1399; translated
MIAAKGFGAASAEKKTEPPRNAADSNTQNDNNSGEIYSKPSMYDMAFGYRNFEEVDFLM
DQHRQLNPDNALPKRVLELAAGPARHCIEALGASYIESATAIDNSADMIKYAREIAAEEL
KSSDYTFEEINGADDVTKDSAYEHRVNSLNYVQADMTNFSFPGDDEAQLFDSAWILLGSL
QHLTTNEQVISCFKCINRVLRPNGTFILELPHPRETF SMVECTRNGWEI PLEDESGGTCG
ELKIVWGDDDDDFDPIQVQRQFTVSMELTGENPNDAPIQSVREVVP MRHFTSQEIDMLAR
IAGFEVMSMHGALQFDVDVNDQAFRLVCVLQKK

>comp2141_c0_seq1; 296 77 628 LEN=1906; translated
MTVAGIMRQYQVVGRKAPTDDVPNPEAYRMIIFAPNAVIAKSKFWYFMHQFRKMKKTGE
ILDCVEIVEKNNRIVKKNYGIWLRYSRSGTHNMYREFRDVSLTGAVSQLYDEMAGRHRAR
PRSIQIIRTAVVGAKDLKRVNGMQFAQANVKFPLPHRVASGKRGQKALSSSTFTTTRPTT
FLG

>comp2141_c0_seq2; 258 77 628 LEN=2054; translated
MTVAGIMRQYQVVGRKAPTDDVPNPEAYRMIIFAPNAVIAKSKFWYFMHQFRKMKKTGE
ILDCVEIVEKNNRIVKKNYGIWLRYSRSGTHNMYREFRDVSLTGAVSQLYDEMAGRHRAR
PRSIQIIRTAVVGAKDLKRVNGMQFAQANVKFPLPHRVASGKRGQKALSSSTFTTTRPTT
FLG

>comp2142_c0_seq1; 512 519 1763 LEN=1959; translated
MPKRKAGPKFYAVASGRIPGIYTTWAECQTQVKGFSNAKFKSFGTVEEAESFVKKENPNA
GEKTHRKPQGSVGVSEKATS VKKQKHNLGKPSSSFAGYVARNMERSEVRADPTLKRFBV
EAEIDKILFSEQHTDAAGTDSIVPLVPLPATDPPATEFEKGSRTVGSNSDPDSDGDN
LARTPPPHKLSFHV MFDDGSRGNPHGHAGAGTYVVTRSYSRSGPQSEEPD NAAAKGARKT
PKTTRPKESLAEERANIRTYLGMGELTNNQAEYQGLLTGLE YVSEALKRVDRLASVELLV
QGSDSLILKQVRGEYACKSPKLRPYHSRAVALIEDLSRDCRRRLGCAPEIALEHVYRNHN
EVADALANDAMDARRSWTTTTTKKTGATAPGEKTTNDQTV DGRGPGNDDGAIEV

>comp2143_c0_seq1; 568 45 1523 LEN=2864; translated
MRNSNDNNKHNGNSHSTSTLEDRHFLSDPRPVRDLKLP TWEVDIHREGVDMPIMTLRVDS
TVLPPRKNKKKVLWKLDPNIDTAPKFGEQDKRRVLELFR EKKKELKKLKNKQRAYRRAS
SMESMNSSGAGSIDLSTHAGGGGKDDLNSNAEGLPPEANGKDKQHENQKQCQOPTGTNEKN
NGNNSNPDAIVASDGLNPSSSKTIEERGGRRGALSPPPGF GNPPTSPPLKLAPPGLPSK
NNEHLAENCKAANGHSSSLSPATSNSTSSQPPLPSQNGHHPQ QHLHHGAQHSLTPPPPP
PPGLQNIHDLNQDGIRAPKAIPPQQPPMAIGPCFVLP PNPAPPGMSIGKFVTETYYLSLRN
GLVRELDAYYYQNGGERSGADVAKVCKAVTVGGAHAFCTNQQDR LMQLNNTFSGTEMRIKQ
VQEQLTVGNGLVVLITGV SIRFSAPNGSSPQQLPFCHTLILAPVSTRPTADSSTIGYQI
LNDNLVILTADE

>comp2144_c0_seq1; 310 176 604 LEN=1063; translated
MAYLLPHLHSGWEVDQAIVTAEDRVVIRFGHDNDATCMVQDEILMSIADKVKNFAVIYL
VDITEVPDFNNMYELFDDCTTMFFYRNKHIMVDLGTGN NNKINWALADKQEMIDIEMVY
RGARKGRGLVVSPKDYSTKYQY

>comp2144_c0_seq2; 165 360 518 LEN=977; translated
MVDLGTGN NNKINWALADKQEMIDIEMVYRGARKGRGLVVSPKDYSTKYQY

>comp2145_c0_seq1; 834 537 3572 LEN=3846; translated
MGSDSDNDPNLLGDAAEKDASNGRKRKTRSLSPCPSFLPFDVEDKKCAVYVGDIPFNGR
NRCR ICFNGDRSIDRGSIQDCDNDTVDSNIASDDDILVSSDRSNPKNKDGACACETELK
AYIRGRIFAAYKTPIRYIGIRSCRFFALPARSTSSSTSSSTSTEKNDAEDEDTTKPCDT
NSNLHRRSDRRLRIAACIEFENPRLAEYSLGLKYTTFSFRSHPTVRAALKFRPWAIESRL
PQQLTPRMPKHKQNSKEQQLDPKVNLP RPPISSPPHRRNLVCDIDCNSSDEQSPSLSISF
SPSPPTSSCLVLITNIPSDVTCDELVAFLVERMNRAFRGKPSPTILRLAIRKPKAMDADR
SDHATDRNDQSRPIRNHACVEFQDARAAFRATTLKHRRWHAKPQECETENNVGNFGGAGG
CSDTKGSDKTRDSARAPCLGIEIWDPTKHDVNDFFIGNESSIPEAINTDDGTEDDI SESS

NLVAEKDEKSDGVRTASELTENEIEPKLKTFLFEELKEDGFLVCKHASINQKLDHLFAIPG
SGKKASMCQGYAFRGRICRAYRRSLGIDNNNNKRGSSASSNHSCPYPVHIDSLEDLEDPLDV
LAILYFVHNNDDINFVPGHGWTPEYLLQQQFQKLSALPPSQHQPTQSKSMEEVVEKLQN
DLSEVRTQLAITQOELLKSENANEYLLEKQSKAALIEPSNTSSKQEVQEKDTIRSLQDEI
ARLKIHLDEKQNLKASERDAAEIRRECFALIEQSRNSTKQVANNHISDDNLKSDIMKLE
EELQQTRSDIQKLDQTRYFNPNSHVGHVWAQGMDFIQTSVPALMELAGGTQNEQQQQD
AMYHSLNSSLSTRNGTNEKTESVKSVALQAEIAAVQSLYGREAVVTSSGSSTTVTR
YIILPVLNSQAGDITVTLIITLPGYPSQGVVEIDANALPHSFPRIKECISLILLVCQWE
AEACTGSPAVIRIMKKVEQWVQNDWEILQRKLTSMGHGMNEETRKTFFHSM

>comp2146_c0_seq1; 668 232 1731 LEN=1957; translated
MGKFVRRSYKTAGKRSSGGFGRFNPHTAFVLLGLAMILLRHNQSKEIFSRFSDLDVGT
LANPLNTATATATAPHQGSIRATTGAPPQAAASNATPTECTREELLTIRKHLNPEFC
PTAREFAYFQFCSLTQATKCVASNWLEDYRDLRKEGSLPDAFLGLSVGCNKGFDALNT
LRMGTHDTAFTTKKAWKQSMELDGAKLSESVCNQDIVDEFQVSLEDNSNPADAAAADAFATG
EMHCFEPMPPTVKKLQHAQKQGYDQKGFVVHAGVSKTPGTAWFATVGSSESGVENVGM
NCEAMGPIRKAKYCTQVPVSLKDYVKQHIDGNDNDNANGKKRTIHHLSIDVEGFDAV
LSGTGSDVLKRVEYLEFEYNWMGSWKDQHLVDVVTALDQISMTCYWAGTRRLWRITGCWM
RYDYIHTWSNVACVNRNLVPKLAAKMEDVFRATLGDSAITAHTFRNPVWRRANHWMRGLK
NDPMLATEPHEAMVSTEYL

>comp2147_c0_seq1; 382 249 2115 LEN=2115; translated
MLSGAARKMAGLSATNPALVRIRTNTSGMCNRTFNSTCNSMLRRLRSILDLEGRGKGPCVR
RFSTAPAIVGDDDSLGRHQHSHSHSNNSPIQVKAKQPSYKDAIRGGPKEILHPTEQTT
KHNHQPPTTKAGDDCKQEQQKHPGQNSRKARTNTTPDRLVDFGDISRAMVAIRSGIRRT
KCTQSFFLSELCRANIFLKPVEHQFTGFSFKERGARNAILSLLEKQESPRVIAASAGNH
ALAYHGKQLGVPVTVVMPVAPLLKVDRCRQFGATVLEGLHIGESKTVAEELAAREGLT
YVNGYDDPPIVAGAGTIGMEIVEDVPDADVVVVVPGGAGLIAGVSCAVKTLKPCTRVGV
EPERCASYTEALRKGHFVDSASGRSRHKNQNTTADGLAVPEVGSFAFALARQHVDEC
VLVDERAISLAVLRLIENEKIVVEGGGATGLAALLPGGPLSGRPEIVGKNVVVPLCGGNI
DTAVLGRVLERGLASDARLCSFTAEVSDRPGGIEGLTKVLRGQGASIKDLYHERAXAAQ
RRPGEGLRGGAPREGPRPAPPVPRGGRAFDRVEPADALLASACGRGCGCVGLTWEYVY
VSSARILVELETGRDTRMRTIVA

>comp2148_c0_seq1; 567 406 1521 LEN=1735; translated
MSTEDDFTVPSSEEEEEAGLADMKKVFETEMTDDQTGKKKSYWSFAMETMGMASGKDGED
LWLETVEQGVPIKYYIREKDAKLAEQEQAQKLPFTSYMDLVPLDEFHTTQTNFLKSF
LKWSIKDKEDIVEGSEGANLVVNASKARRRLDSYFEWMKDNMAEDMAENPLTFESVKEVH
KAWGLEATHSKDDQLIWWFDLGTMTKSIKSLAPQDQMRIYVWFSLMMFDHRGQDNGLL
LVEALDNLGFWSMTLLPMELGAKMDRFTIGVLPKMKGIYMFGCARWVHLMVGLMKPFM
SKKMRSRMIVTEKMAPEPQKYCDDNFGQGSIPDGFMSLNGGSKDALIHRNLKKGKQKE
KKAATKAKEEE

>comp2149_c0_seq1; 714 224 2545 LEN=2647; translated
MPNNGDDNDSSEELTAKKMDSVLNRVSFFEKSQEI MQSKIARTPPRKKETKKKEDPSPT
PEPEKVPEKSRRESSTMSRVQQWESRASGNNETKKSFSFGTETSSSANRDISLGFSGTSAS
SSEEDTDEQEVLMHSMTNDDDIPELELFSNAASLNRVLETANSANSPPQKLFKDGEEIV
ENTKKQDENKESPIAEP TAVRTVLYDSDDDDEMDVESGQGLARYMPAAGFMAIPYSNGKRK
KDADGMSVSDDISIAANVGLNFKFEMLRVTVPKPDYKEYPPDNSTERKYKVIIMLCCV
LLIGVISVIGLLASRRPEILPSPVVTAPMTAPSSPITQKPSLAPVDMVLVEEGPSLPP
VSVIPVAKEPSLAPVGMIPVAKEPPVEIGLPPIKYKFKNTATIVGQADGDRLGSVISMSS
DGTFLAALSNTPNAPVQTFQRDENS GDWVPTMATPVDNATISTNTSLAFGSDISSATIPE
DGTFLAALISSQTQVQVYQLVGRSWVNRGQPILWDVDTVAYSAMTSSDASTLAMGCVDDN
GVIMSVQIYRYDLSSKEWTPIGGNPLLYDAQNRHVGGNQRRTLLSISLALSRNGSVLSVK
EWAVADPQVVVQTFGKDLSSGRDDHSGSWEAMGGQLMHQFGPASVALSEDGYTLAVVAT
HPGEAVVYRWIEGYWKKISGDANHGYPSPGGSSVSLARNGSRILIGNLQKDEARIYDYSN
NETWLRTTTTLWGS GSSGFTSVAMDES GSTLGIGAPSLSSRNGNNLGQVRIYS

>comp2150_c0_seq1; 197 1902 2760 LEN=2858; translated
MKIYRRANTELSTETTFQVESEEDDHQLFFVTSYSDFEKL AHGPRGSEAKHSVHVYRFS
PSDGLVLLNIQGDANVIKNPAF SRHHPRLNVVYTCTEDCHENGQI IAYKLLQDGSLEQF
GEAVDAGGTSTCYLTIDKAHRNLLAVNYWNSTLVTIPMDPETGALVGGVKNVYDPNMGKS
MVACAKKDG VNHSCNDASTISARQADPHSHALVLDPFVGRVAYVPDLGKDLIREFYDA
ADGKIAIELNVMP SGLCTGKPDGPRYDFHFPEYNIGYVVNELAPP

>comp2150_c0_seq2; 371 1902 3458 LEN=3758; translated

MKIYRRANTELSTETTFQQVESEEDDHQLFFVTSYSDFEKL AHGPRGSEAKHSVHVYRFS
PSDGLVLLNIQGDANVIKNPAFSRHHPRLNVVYTCTEDCHENGQIIAYK LKQDGSLEQF
GEAVDAGGTSTCYLTIDKAHRNLLAVNYWNSTLV TIPMDPETGALVGGVKNVYDPNMGKS
MVACAKKGGVNHSCNDASTISARQADPHSHALVLDPFVGRVAYVPDLGKDLIREFYDA
ADGKIAIELNVMP SGLCTGKPDGPRYFDHFPEYNIGYV VNELSSTVAVFEINRQLLNEIY
AASKNGEDMNRFRGQSTLRLVQSIKTIPOAFPTMNTCGRMCVHKSGRFVIVSNRGHQS I
TVFRVKRKGSKRGE LQTVGCFHTRGETPRHFQFDNSGQYLLVANQD TDSIAVFNFNLSNG
ELKYSGNEYRVSPNFVCCCPTYAEDSDLYHENMGSSISAVTSIQADENSSPACSDSED
STLPTWTDKSSDD DVKAELAKAREEIEALKKLLMERTQ
>comp2151_c0_seq1; 606 71 1438 LEN=1486; translated
MRRPTSKPPVTRLRSPSRSSSTYKTSSKQNNGAALEDERFKQFLKNADEIESIEHFMYWK
DEFFTTFRPYLDPLGTATAREADEELYFELEKLANACVHTNELVKEGKISPEKSSVKGQK
SINEMIASTCTCEQHIDRYFPKTQEEELTCGYSKFELAAVLVRDGRVYGMVATRNYVQ
GLVIEGGALQKILKSNQMSILQYYFRCLDTFAQTMADLGMFKLMVRCEELYSVRPRRKN
KTKKFNKHGAKDALSDTSCEGEAINGGRMFQKSKLNYRAIMDKGWSNGLCLGQEILGPLK
FSKKNDKKKKGGK KKRLIKENKNDANCKSGEDNEVASNDET NF SPEAGSSSSIEDDSV
DETAETVDELM SMASSEDEEEDEEDVIYYFDPVRKIVGKVS RKKCLAEITIVSV DSETG
TERAEGVVEEWD SRDEIGKQDLILNLKEILRSKA
>comp2152_c0_seq1; 390 251 1015 LEN=1206; translated
MSKHADTHVDVDNDQEKSDDDTDIGNSPNARRSLSQRYNDRCL SCKMLLGIVPFVLAIV
SPVDEELSVWLALALSLSLNLRLLYRGCDPKYPK WYMEMALCLSL LGIGIFNGITGVA
VSL LQIIPSTAMFLAIPISM MFEDPFLYRELAPT VTPDVSSSPGFMQLCQYLSAYWMFVM
FLQSVSMWVSL LFLTSLTSGEPSEPIPYLILSAVLP IGF IILGFLT TTKPLADY LKSKGEE
KDGDEENG DVTCDV
>comp2152_c0_seq2; 311 376 840 LEN=1031; translated
MALCLSL LGIGIFNGITGVA VSL LQIIPSTAMFLAIPISM MFEDPFLYRELAPT VTPDVS
SSPGFMQLCQYLSAYWMFVMFLQSVSMWVSL LFLTSLTSGEPSEPIPYLILSAVLP IGF I
ILGFLT TTKPLADY LKSKGEEKDGDEENG DVTCDV
>comp2153_c0_seq1; 579 257 2047 LEN=2235; translated
MATPVSTEAPLNGLVRS GSDQERDLQAKMQHMIRLQYAEQTISNTNANANQDL AGGDGTK
GHQTGAPLENDREDDGSRGGRGLTMTKRKGT KTHANLENLGN DTD TNSVDNNAE VVGKGTI
VFSGSLRGSMLPPGIVDDRLDQ NATATKGLEREHQRYQMP SHSTTLESQQORLLSSAPPQ
QIYSGYGSVHEQNHEFH YGNPDYNNIDDEDYFDEHGGFRDRDGDHRTTYCGQLFGCLVSP
IANLVGQENLRRSFCYGAIDGLLTGSGIASALWGLGLLSVR TKTEL RVAFVVVTLA ACTA
DALCMAMGHVWTTYIVTSNHAWERSHERLLEHDKADSKGR LVDMLLERGMLKIDAMSLA
DTLEGYPDLFVSALVGDSLSSGIQDALLDERTDDGRNYPREHYSPGTYS DPATDFDGGG
AFFGSFGSWKFPMHYDS DERGEFRNIEDRHARVVYSESQKEATFMMVGF AFFALIPSLW
LFLPRWFNNPANNGDFGQTHAYSSLSSQEAYSGVGDGETVNVPSLI IILILSSI IWCLGVW
KSSFVDSNWVVFLETVAVLILCISSAYWIAVLLVHFLGLEYLILSGETS LGS PDL
>comp2154_c0_seq1; 436 28 1251 LEN=1468; translated
MKVLSTLYLASVASAFTTQSSHRSP LAVASRKVKQSTVAR SLLPNKQQQSDASPF AIDVE
SSTVLDKAGT SKTAEDGSAGVRQLLGV RGADKSDDIWKIRLQLTKPVTWIPLLWGV MCGA
AASGN YHWIWNPFDPNDRNVLLGLEDTAKAITAMVLAGPFLTGYTQTINDWYDREIDAIN
EPDRP IP SGAI AEGDVIAQIWI LLLGGLGLSYGLDVWCGHEYPINLYLAIFGSFISYIYS
APPLK LKQNGWAGNFALGASYISLPW WCGQAVFGELDRPVFWILPVLYSIAGLGIAIVND
FKSIEGDRAMGLNSLPVAFVGDGA AKICAGSVTITQFGVAAYLYSINEPIYAAVLLALVL
PQAYFQATLLLPDPIENDVQYQASAQPFLVFGILATCLCLGHHEFPV
>comp2155_c0_seq1; 139 155 499 LEN=834; translated
MKSTILFCLLSVILGMFFAPQSASAFAPVSVAPVALTPTTSTQLFFF GKPKDDGSPGDYV
CKDCGYVFTKGPKAWAALDDSKYKCPPCGAPKFRFKKVPK GSESGKVEVKKSWF
>comp2156_c0_seq1; 304 311 1108 LEN=1608; translated
MSRSPLAAPIAPRPARANWRTATKRQILGNFQQGSPSMSLSSAKIDGSNTDHIQMLIGG
LQEKHDQMIAFLKSDLDDCKLEQEEVLSTGLIKLPKAVRNMSVRDFNRQHGC DLLALLKS
KDGVILSKNSVNGINNI PKHPNNTTACMIDANKKRCYETPAPRMRRPGAPMGTILRTARR
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>comp2157_c0_seq1; 139 281 841 LEN=1119; minus strand; translated
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KVRLRHRSVPSDASAKHPSPPRS GKAGRPTPPRLPPGSAPGAASVLSQGRGVVHAHPAL
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LVAGGV

>comp2158_c0_seq1; 580 84 2252 LEN=2401; translated
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KTDENAHPHLDSSGKIALCHNGILNNANDLRRELQSEGHTFTSQTDEIVIVKLVGKYYAE
GRSENI TLKDATQKALDRCDGTWGLAIVCTDTPDEM VVACNGSPLVIGLGADRFTFIASET
SAFNRYTKNFISMKDGEIGVLHADGRNLDLSRKQIAPDQQVKLSPDPYPHWTLKELNEQP
EAI AQALNFGGRMSTDRVTLAGLDRNEEKMSKVKHMTLSACGTSLNAAKYGERIMKHLGS
FDSVASIDAAETESKDFPCMDRPE TTGLIVVSQSGETKDVHRVVKNAMEK GIVSMSV VNA
VGS LIARTTKLGVYCNAGRENAVASTKAFTTQVTVLAL IACWFRECRDRLSGR PANMEAR
LVKDSLMLRPITIGMTMKTCQE QCKKVAERLMDKEHCFVLGKGYAEPVAYEGALKIKEMC
YLHAE GYSGGALKHGP FALIEGEGKGFATPIIMFILD DQHAHMRSAAEV KARGAELI
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VD

>comp2158_c0_seq2; 569 84 2201 LEN=2506; translated
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KTDENAHPHLDSSGKIALCHNGILNNANDLRRELQSEGHTFTSQTDEIVIVKLVGKYYAE
GRSENI TLKDATQKALDRCDGTWGLAIVCTDTPDEM VVACNGSPLVIGLGADRFTFIASET
SAFNRYTKNFISMKDGEIGVLHADGRNLDLSRKQIAPDQQVKLSPDPYPHWTLKELNEQP
EAI AQALNFGGRMSTDRVTLAGLDRNEEKMSKVKHMTLSACGTSLNAAKYGERIMKHLGS
FDSVASIDAAETESKDFPCMDRPE TTGLIVVSQSGETKDVHRVVKNAMEK GIVSMSV VNA
VGS LIARTTKLGVYCNAGRENAVASTKAFTTQVTVLAL IACWFRECRDRLSGR PANMEAR
LVKDSLMLRPITIGMTMKTCQE QCKKVAERLMDKEHCFVLGKGYAEPVAYEGALKIKEMC
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>comp2159_c0_seq1; 357 150 1214 LEN=1430; translated
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DIGTTYDWVLKLRQNSSTKQWFADTLIKIENPIDEHYRWELSHHDQMSCSQSSPSSSL
RVQYSNLCHRAGFPTRRKNAPFVYRLIRLNAQLQREQQQQEQTGKPIAKRFRNSIPQKRS
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>comp2160_c0_seq1; 261 73 1167 LEN=1373; translated
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GGHEYLAGIAFWNGNVYVLGVPFNIAVLAYILNGFPYSSYQGETNCSAEYKKNIFSMAI
YPLFLWPILITLLNWMKSTSKRSRPALKDIERKNAEGCGRGTSENWTQKKKFPAMTQLLA
KYNGDASFPSGDVLCATMVALSIFNISSDVSHAYRPSHLASTIVILAGTGRMYVLAHFF
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EKEA

>comp2161_c0_seq1; 281 357 1648 LEN=2577; translated
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QRDETSSSGSSPRPSPRGKSKGNKHKHLYHIIRSRSSSNSNSEVPSSPRRRRRRPSFGS
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QPKPTASPLPRNGALDXPSGLDSPAQGTVCGPDDCRQRQDPHLCPVHGLCGPGRAPP GPP
ENPPAAEAEGEHPGGGNDRSLLEAGGSPEPAPVLVEFESAFALLGVVLLLLFRFRIDRS
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>comp2162_c0_seq1; 411 250 1062 LEN=1229; translated
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ETNLETRGINSPTDILSFPFHSREDNKAGLLKEPEFDIPDY YTLGDMVVCVPYVIRRCKE
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LVGYDHIEDDDYVEMVEREEELKELGDLL

>comp2163_c0_seq1; 1301 523 4603 LEN=4793; translated
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HHYQKLRQPKLSSAKEVSYIDLKPPATVRKPKISAKSRKDRRRSSDTATTVGTHLSTGSF
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RYGTLSPSSCAATPAANTPTKSQPPPPFSLSHPAALAGKGGADKIRSLSTQTP IHQNLSS
DPHGAFLLKLPYHTGTAAGATPLETTFEVDGDSVDTNSPARFRFTSFPASLPRVHHANHY
PRSTPPVCPGSRKRMSFDTEENANTEDAKNTATEHIDDEIENDPVGLNYSIHDAVNQS
KDDDGTHNTSLSSLVSDGGHHQHLPHLPHQHPPHFASVPMKNLLLFPGEQDDENRQNELG
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SPPASVVKVNSNANSLPSTPREVHLHFPPPESECSPI LGVPKHDFVEPPSCSRALMLNRQ
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QNSLIMTKVLLSCPSQVLEGRSSLETSVLDEDSKHSGSRNSFSNSCDSINYPNGEDNQN
PEKSTNEDGTTNMDVEKCEQPLGLSTLSTGNAHEERKVTHDQIAAPPKLMRRLPSNPDI
AVISFSDDFEILGSLGSGTFADVYKVRQKSDHLYAVKRNRRQFRGKRDRDVALAEVQSM
QRLQSVFATSNASGERNHSENSNNSSSDSKRNCYSLYLLFFYRAWQEDGYFYSQTELCR
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AGLSHIHSHGIVHQDIKPSNIFVTNARFGAMCKIGDFGLAGSIGSSGEGQEGDTRYMP
ELLASATRHSSSDIFSLGLTLYEIAMDDHVEMPSEGRWHQLRSSDEPKLPACRGDNLQR
LLQCMTNPDERKRPTADTILENTNVKIAGHEVDTFLONYIRDVESFDRQEEERLAMERSD
DQTPRNDHRSAAVRSPSLSMMLPVAPCMFSPSSKVIHS

>comp2164_c0_seq1; 946 110 2167 LEN=2715; translated
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EAERNESSFDILADHGFEFSYSEHDQRMYPALDIDALLPPDNMLPISEEEGEVGGGTAS
SSLYEIPSGYRNNRSLAETQGEDELDDVVDEDMSSQTSSLSGSEPSRSIQEKVVEINTF
LDDAMQQQPSNKANRGFAKTGSGANLWNRFSAKGSSFDENASAVSDASFLLKKGTVSLVQE
LVAADASYLNSKRKSGSPTEDPEALATALLPSAPVGEEVDAGADTIQKRYFVRRAIWC
AILIIVLISAAGTTAGLLIAKNRRNNNETTEVVVSPGETTEKKNETSFDSTNNSALDE
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VQTASVEPSVRDDNDTNEPSKEDNAEITGDDVIDKSDRPWDDDDFQPIEIQGDDDFYKNG
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VHDKKQKQTKESKINSTKKKKSKSTKTRTKKPKSTRTKEQKNEIPHSEDSVDGSLLYGSA
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>comp2165_c0_seq1; 361 213 1061 LEN=1564; translated
MMENLVFPVAGASYGLTTVVVGQPLDTVKVRMQGLPSAANSSGVAVAGDLFAKEGVRLY
RGGLPLFVGGAFMRSAQFGVSGAAKVVLEENTNGGKPAPRLFGILDWQVMIAGAAGVSR
GLVEIPTDFFKTRRQVEHGWSIREVMDGTGVTLARNTVLYTAFMFYLDMAKLLCRQGYVP
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LFRGIVPGLVRSTIANGSSMVVYEVLTTLTKKFDLERRDLA

>comp2166_c0_seq1; 260 445 1080 LEN=1487; translated
MIRMNSILFVLASTILVFGCESHAFIPLLRASASTLRPAPTSEISYGRKTVVVSYSFYFV
EAVEHIGYAAKVLIEHDVGKPLGSIQRIICVVDPDVEARFLVDITHLLLDFTVIFNFDGA
LLNFAQVVGRIAFIAIDFLPGHEFHYEEMAVQLVLLGVS IKRMAFAETKdstpsalekfd
QLDHVGQETQCATDtdfstvdesmlveacee

>comp2167_c0_seq1; 133 399 653 LEN=928; minus strand; translated
MPRSISESSPHWSDSAVVSPARRCVYTMLRRTSTSSPSRSTLLKAEFTGAKSVTLPPSFP
DKKFDRSTSLTSSQNLLKLFIEQM

>comp2168_c0_seq1; 274 556 918 LEN=918; minus strand; translated
MVGLKLGEEGLLDGASDGASDGAADGSEDGATDGADGASDGAADGSEDGAADGDADGA
ADGAADGAEEGAKDTVGPDGDSEGAEGAAEGDAEGVAVGDAEGAADGAAEGEAEGIAD
G

>comp2169_c0_seq1; 373 1 1895 LEN=1972; translated
XKLSADRLDDFLPTVVLNRLRELTTLNFEGLTDTHVHVLVLLSTTTMLLGAAGANCKPGR
NLPLGSPNQNRQPHSTGRQGNQWTRLVLDGCHGLTSHALTSIAKLCSQDHLRELSLRDC
PGIDTIAPLSELLVTKLGAKKATTATTMATTAAATTATNTNTNTHSHRDELLRPSVPLSA
LVPAEALGRKLRDFSDGECSTRAARVPAPMARLFETPPAASVETTHRRGRGSPPLSSSTL
ASLFDLPGTSPTRRKAESLVLPPPPVVALGESGAITSAGSSPLRLRPPPRLPDPLS
HRRSSPGLTQPLLLSCADGVTPKPSPPRKHQLVPEKETAAAAAPSMAHASRRYHRHKQS

LSKEAALPFPGLLPSKNRDEWERVCRLLHSFAPTFECRDHRSDNRANGNPGPSTALNDVR
PPSFFGEGTTTTVGSLEALDLRGTAVRPREIVGVLSLTHHRPRKKPLMSVGARTCFPNQS
DSNTASAWCRVWFEELHLNGGLDYSCRNRNEIRVNLRTGAGEDATHATIDAAGACFLPA
TRWWDGAMAESDSCPGGTGWGTGEDRRDLEASLAMDEMELRIGGEKAKKKKKHAIATNYEC
NATQYNNANRAKRKEPSTCGKSIVLRFVHYT
>comp2170_c0_seq1; 220 274 531 LEN=610; translated
MQNEAGENVDLYVPRKCNWTNRLVEAKDHSSVQVNVANVDPVTGLATGDATPYCLVGYIR
KISEGDMALTALVEKNDAAMFASEE
>comp2170_c0_seq2; 220 42 299 LEN=378; translated
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KISEGDMALTALVEKNDAAMFASEE
>comp2171_c0_seq1; 740 181 2136 LEN=2196; translated
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WNTSTGECVTGFRRKMINRNCWPYLQWTHDEKFAFLLTTNEVRIYPGTFFPQKAETRFVVK
IRIPQITQMSLPSSTATDSVGKILFAAFIGKDKNKPARAALYEYPPANESASPYPAIASK
SLFNAEEMTVHWSPRGDVALIALQSSVDNTGESYYGSSSLFLMSQQTSNDAIAVPLPQEG
PVLVDVGWMPNAEKPPCFAVAAGRMPSMASLHNGRDGKATFLFGNRHQNTVSWAPHGRFVN
LAGFGNLAGGMTFWDKNKGKQIPPGTPVTASETTQFGWSPDSRLFFVATTSPRMNVSNGV
NLYRYNGEKINNNVLPWNNENYLPDRLLQATFVPAAPEVVYPDRPQSPSLKDLGTGPDA
AASAAAAPKAGRYIPPSQRNRAGRGGNSLADRMRAEKEGKMLGAQKVTKTTPGMKRGV
VGATGKVVVGMAPPEQKEGKSKSALRREKQQKKKEEAARKALEEKLAAEQKAQEEANKP
VDPVKRAKKINKVLRQIDELKQKDPSELNEDQAKKVAASEPSLREELAKLSV
>comp2172_c0_seq1; 191 599 1132 LEN=1875; translated
MGAVLAKLLQVFWTKKLDIVVIGLENSGKTTLLSVLAHGEPVETVPTIGLNVKVFKKGQV
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LVCANKIDLSPHVGEAELIDKLQLNYVMETPMMVLPISALKCTNIEQVVEWLTSQ GK
>comp2173_c0_seq1; 621 52 1245 LEN=1645; translated
MDILQREMRRKKEALLKAKKEADASSETSSAGDGRKKRKYLVSDLRRIEDEEQEKEKM
RWRDRNTNSNRKAVSISSASKETDDDDAISQARMKFKNAKKGKSSTTSSPSSSPAATVRDK
IDSSPASITQKLREMGLIVRYFGEANTARLERLKNALYQSKTLEGLSELEEFRLGKGHG
IRNPFLENEKQFKNNQHOMP G M G I N D K G S L E N S R L E R K K Q G K G H A T K S D V D G E N E E D Q S
DPPKFIYKYLKGLLKEWEVELAERAESVARSVAGRNESKTLKQCKDYIRPLFKLLKSRKL
EEGLQLHLLKIVKFAKQGEFVKAHDSYIDVAIGRAAWPIGVTMVGIIHARSGRAKIESANV
AHVMNSELQRKYLTSVKRLTLTFDQNRRTDVPDPSKKVR
>comp2174_c0_seq1; 681 287 1615 LEN=1706; translated
MAKTKTKAATKGGSKREKPPALDQYKMP L I A L C L S M L G Y H M F R G M M A K E I K R V D M T A T A N
ELELREVFVFGEDVNTGSTNYAVLCYPENAVFPVSSVFQDAANDGSAPCQFRLMDCDAAMP
FSEEGKS V V K R F G L N K K T R P V V F V S G A V G Q P K Q V P A K Y L K T G A M L T K A L K N L L E P R A E K I
ETTQDLRSKCLDKDICGLMLKGGKVSPTYAKEAMQKLVVEYPKVTFAAVDSSVLYVKGIE
AEFLPELTPGLPRFIVFQKTSGGVKSDSSRLKSTAIPLDVDVAYGPM SNL V A S V V S G K A E
MTKIPASPTIKTRTKKLEKSENEKRQRKNKTNGSGDSSSDSGTPHSGANDGSREGRAE
RERRRAEHRKNNPNYREKTP EE I K E M E R K R R I R M E E E A K K W N M D A E D P S E D S S S G E Y M V E
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>comp2175_c0_seq1; 658 577 2031 LEN=2504; translated
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KNASPSFHSSHDALKRSN S S S S K N C A A D H E N D T N A I P E R T N S A T A L V H N S N E R S N G H S R K
REDPLVPVTSSLSPAATARSVSSXEHGHRQSLPVPQLAFDQDALEVPVVPDPTLALALA
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SAKSSPSGDLVEQQQHEILAMQIQQLSLLQQQREQEQQHPSAHPIDESETTRDLVKTFI
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LKID
>comp2176_c0_seq1; 391 1 1229 LEN=1431; translated
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ESGGEFTVCWDPLDGSSIIDNNWAVGTMIGIWPKKTGLIGATGRDQVTSIALYGPRTTV
LVALDDGVYEFTYGADVPDEATTDGGDPTWICTRSRIRLKDDSKIFSPANLRS AQDLPGY

ARLVNHFMTNRYTTLRYTGGLVDPVYQQFTKNMGVFCNPTSEKSPAKLRLAFEAAPFGLIV
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>comp2176_c0_seq2; 391 1 1202 LEN=1633; translated
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LVALDDGVYEFTYGADVPDEATTDGGDPTWICTRSRIRLKDSSKIFSPANLRSAQDLPGY
ARLVNHFMTNRYTTLRYTGGLVDPVYQQFTKNMGVFCNPTSEKSPAKLRLAFEAAPFGLIV
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>comp2177_c0_seq1; 195 1 771 LEN=951; translated
AQHNTSPDVLRYHNSLLPHDTQENDCKARHIAPHRTAPVQRATMVRTGLLRQGTLCRNS
FAAKAAHSLPGTGTTPSASSFGGARRSFLCQHRPGRP IAIKASASASATIHPNPLCAS
YRRSFAEGFASESDYHTAADETLEDLLDALEAAIEDHCDDMVAAGGGSEENENDEPEATL
ASGVLTVGLPPHGTWVINKQTPNRQIWWSSPLSGPRRYEHDGEDWVCTRAEGEGPKTLAE
ALEGEFEELYGISLGL
>comp2178_c0_seq1; 76 350 769 LEN=1230; translated
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>comp2179_c0_seq1; 877 187 2451 LEN=2757; translated
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TSLAQILFPVGSPEEYNFQEQVWIYSDLVESKKTQVPYEEYDLPGCPYQVESGIKRRRRE
RKNL GARLQGHDTKPAFKLFAKQDKECTPMCLVTLEGGKLRWMRNLIQRQYRVQLQLDG
LPVLMRSSELNYAVRGYP IGFVSAAGGTVAKSKRNADVLYNHLKFAITYRTGEDFDGI
RITGFDVHPVSIADHIPENKAVTETASSLSTCKGMGVENDPSSYLSLSDKGNVSDVIYS
YDVTWIENDSLLWADRWDVYLVGAPDDDIHYYSI INSLMIVLFMTGAVATIVIRTLRKDI
AGYNELQTLLEAEQEEETGWKLVHGDVFRPPQFSPMLLSAMVGTGAQIGCAFGLLAI FN
VTNSMRKGQILTSMILLYVLCGS IAGFVSSRIYKFCEATNWKMNSIATATGLPAVFVGMF
TLLNIFLSFAGAATAVSFLTILVLFLLWVTISAPMVVFGAF IGLKAPTIEVPTKTKQIAR
VIPEAPIHMNSGVMMLMGVLPFGSVCIELAFIMSALWLHQIYYVMGFLLAVLGILAATC
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>comp2180_c0_seq1; 471 294 2054 LEN=2339; translated
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QGVRF CRKPGDLGPI P SPGSRLPGE PDVPQHEPEKIVRKEDKDLVTDYLFLLMDQMOTC
QFTEEDRTGGRSKIKDNEVGFP GMECRHCQGRAGFGRYFPSSVAALSLANS DRNVYHNLQ
KCRKCPESVKTELIRLQKTQAQSKNRRGLRKLFFNRIWKRMHKVDKDDSEN SRPSESGLV
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>comp2180_c0_seq2; 368 294 1364 LEN=2457; translated
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VRHTQHQVLLSQGASGNASNGMNSSSKRAETAGGELEVANLLLNMGGS SPKSGETAQK
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MRRYCVEAFSATPEDVATPRYKSHGFKVEVGQV GIRCLHCKDLPPSKRAERAVCYPSSL
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>comp2181_c0_seq1; 301 58 672 LEN=1392; translated
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LVHVPISFRPGHNEIAKDPY GILAGIKDGSFESGDSGSEIYEPMKPIEGELIVQKSGLC
SFASTNLEFLLRQHNKVVVLGGFLTNCCESTMR TAYEKGFKVYTLNDCTAATSLAAHE
ASF EHNFGMFSVPTSSEDIKKAIQ
>comp2182_c0_seq1; 284 158 730 LEN=969; translated
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AKSIHHARVLIRQRHIRVGSQSLVTVPSFNVRTSSEKHIDFSVNSPYGQGGPPGRVAKKRAA
SRAAAGDDEE
>comp2183_c0_seq1; 414 98 1277 LEN=1371; translated
MSTDPEDRMNTQEDREARDGLLQLNTYLGGHADGLVSDDSSEEDFHQEEAVVPPPPAAQ
PPVPPAPPTLPAASHPLFKTAQATLAKRKFVPLKEKQDLLLRIREKLSHDLIKAVFPGGD
ALSLEMQGVYHNITATGNTHHKRIGMESGLYSHNACQILYRNGDQEGEERPTTKKGEQKE
AAVAELETVSRVKKAMKAEETSRLKSGSKHKKGKVYVWQQGAASRLQDQCSYDPAKLDR
FGCPCDHHSIMPVDDLKIQKHNQGRKEHDIAVAHEHDAANRDKKGHPKLGMLDVRMA
CYCKFNCKLDPRGGTCPECSKPGVDYLEYENGVPVACNCPNCQCSIYFYLTDRFNIN
KNEERLRSGPQPEEEQYSGNPIFARSSTCRP
>comp2184_c0_seq1; 316 448 1719 LEN=1956; translated
MASQYNNNGNNNMSTMDATRSYVTARTAASQSVANHTTSGDTCSLAPPPGAMAQPQPAP
YPSFVKVCGCVEIYKPGREVLEYDYTYDDVSGKKPPQSYPRIRERGEFYIDSYNGEPWSC
SFGTAEKNGTWFNSSDQAGSIMSCLVWVLMYSSVTVTLTITTEGIPVTCGMVYNVLCFM
ALACHAKTSLTDPGSVPLAAIPSERQRLMKDSSHSMCGQCQTFKPPMSHHCRCINRCISRM
DHHCPWMNNCVGGNNLKHFLFLIYTWTCAYALALFGWNYFFCADEDCTFHPVVVHLVR
VMTMLCVGAFLFTSSMLMNVCYGLMTGIGTIDRLKKKATNTMNQSDEEPIPLKDVFGIQG
WITWPFVDPFIFEDFDQVMGYCLPQRLDRERQFMEYKRP IPEIQQVTSHEMELPKCINDL
LPV
>comp2185_c0_seq1; 564 97 1557 LEN=2106; translated
MKPSGSKGRNVSLFTTWLLIVGNQCTGLIGGEAFVITSHVKISAYCSGLGRRLENTFLCG
STGDNDDFSFRRTDGDARYWNLPNDFTMFLTQRAIQSFI FLTSQLRDPETCYWVEQFTEP
NLVRLDTKQSFSLGDTLPNLSDISSGKSDWRPNADGDDPKDDEDEEERTLLLLLKYHGLA
AMDTVRFPTWESYFEEMLEQPTDKWIIASDQSHIPDYTWEIDPSSLCSRILSVREQLSRE
FASDLQAVSNMGGQTLDWYWRDLRQSREDERREEGQQTEGKNSGENEDNPFVDPTSLSRGS
RQNLLFLEINVDRPELDHKPSPLRRGNFDLLVLLATEEAIQRVLNRWQSKKSVGDLDGSE
FVSYEFLEDFYKERQHLFQGPLPSYKADDILEELLSSALSFKGDGEVINPTKIAEVVLR
ERERVALDWKDIALDSPQDHMKIQKRLRLSRMMMGNNDNNGGQQGESSRGESSNVGYHDP
GPGAFE
>comp2186_c0_seq1; 576 191 2422 LEN=2890; translated
MEQINKKNLRRRSVDYGTKTNRSKLADDSKRLRLFNQSNPNKTQLTGDSRFVVAAKIATL
NNSAVDLYIKRDFENASGFFFEATLLRLISDSLFPKVLFDLSRPPNNKMTWDKGTDAK
TYTMGDSAVPLTSNMYQRTEFDEGISLYCDTKVIHGDHHLSSAKATLLFNAGQARRELG
DLVGAVAFYGDALSVLLPNLETDEATHFSPHRIVVPVLHNLGQIAYRMGAASKAIWLYE
ALVHCRVNLNGERSLSVASTLNCLGVMHYHSPANDSDQAIRYFLRALDVLHEVMGSASEY
EATILNNLGRAYVHYNEFDLAFESYDQSLAIRKHLYLGPDHVDYAATAFNAGQSLHHKAL
YFDRAMELYGDFLRVALVRFSSKHRDVAVVLSGMAQIHQERKEYPKALKLYEEALEVAKE
ALGNFHLEVAVICNRIGNFHFERGHCDKALEAYKEGLHIELRLEFERTHPNIIVTMSNIGG
ILRQKGSLECAIRIYKDVVKLQTMRYGKNSAEVATTLVIGMIYDQNGNSDKALVTLQRA
LAIRRSATGVNDVDICTTLTIGTILYRKSVMVSTAIIEFFSELSIRRIKLGKNHRSIAYT
LYNIGLCHQSLGNLNQAVDCYKETLRIEKMVLGEDHKDISMTLLKLGEACKAKGDLDEAL
DVLNYALAIERSTKGQDNPAAVVRIINEIGTIHLEKGFVPMMEAFCEASTLFQQAGLTA
ESIAMPGALYHIGIIFPSGAPAA
>comp2187_c0_seq1; 71 252 1079 LEN=2093; translated
MSYSSAARTNLSSQDVRISNYKLGEGAFRCHEGTYVGGNRNGQYAACKRFKQPFRSMET
EYFEKEFMIADTAIHAEQWNDICDPEDKILITKGHI IYSNSGIPYMAEPVIRDFKKFTS
NSGWIDESDIYTEAMEAFSHMTYHNSGGNHLVCDLQGRYRNNYRKSRLFELTDVAICSVAR
EFGPADLGEKGIENFFANHQCNFCFPHWRRPNLARRWFPSQPGTSMFPAGDVRLQRPSP
GTHFQLEGISVRPGAYQLTTTEDGLIRGLFPVPQT
>comp2188_c0_seq1; 338 52 732 LEN=927; translated
MVSLSSALYSHYTLAIAIALLVLPFPLQAGGASARRKLTKKATQEP IPTPDPTPAPGP
KTLKLAFDALRLVSEDVASIGFESSLSTGNPQPTFVGATTVSFLNLFPPDPTVAENVES
LHADPSSGGAIGTIEFPCIIITNNGFSKGLCQGVVDFLLDGEPA GAMVSYGGHLINQEHYQ
GMIIGGTGALGNAIGGTYQSVKTNIPADGTSVYVIENFVATFVLA
>comp2189_c0_seq1; 274 1 1195 LEN=1742; translated
XSSKKKPKQTTDIEMDQDTKKNTSKGEKKNMKS KSKSNQKNKTKKDKKNDRKRDDVADA
IPNVLDVTPIVAVAPIAAVAIPLPDDIHPDQHYTPPVSAQSN TTDHQFPNEGSINPVIYP
VVSEIAAVAVPLPDDIHPNQHYIPPVSNQPSAMFPNQEGRNQPNIGSPI SGNVNLKLDQ
GYSSGLIYSIGLNNVICPLRIWVDNSGSMKKRDGHR ISENKRTKQPFLLECTRWAEMQD
TVEYHARMAAQLESPTVFRLLNKASTGQQQFSIGERGHQFIQEDLNIALETIWRTPVNGK

VLNGGLGLTNPLFWVSAISAAAALEFVATKNGDSREPGDFGFDPLSLAGTNGQQSVFVRE
AEIFNGLRLAMLAITGFVAQEFYTNNTAVVNQTPIFFKPFSDVVAHFLGAGGGSI
>comp2198_c0_seq1; 705 83 2107 LEN=2232; translated
MRRVSSRQRLVSWDAFDATAVSDSGSGNDSSVGGFEEDDRSCASGYETAYSRSYHSSMAL
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TFVFTTLSTSKSPKLVPSHSWETGKPPPPSSVGFDDMISDLHLKIFSFLDLSSLRSAMYS
SRHYRNLIISNDARNLWMDHCEKIWHISEFMEEESGQNQYHFQPHPKFTDNFHLPIAHT
STVTNSTGFETDPVDTTNISLSSLTPKDFPTCVDKDALKSRMQLSGTIRQTIPVDRQDD
EDQQVQYYKEQSTGRSLIRYTYGVGQDRCIRSNRPIPRPSQRARLNETFESAKDINEIN
SSRSLMNSIGPSFLHIDDSHHPLLYSLLQKCSSKAMKGDGMKSSKSSSSSSNSVLSPPSP
SLAWTPFVVPFVDKSSDDNSTFLNVTPRFISYYEVSILKQDGGENQADFP AERMVPPPL
HRRSNMDCVAVGLGTFKDFNNRTRMPGWDRQSFYHGDDGGIFHASGGMLKQYGPKFGPGD
TVGCGVDYISKGIFFTYNGKFLGYAWNNVSDILNNDLYPVVGLDTNFVHLNWGTSGPF
EFDLSKFIKKHEVAVMATYSLDGCSCLCPRDTTVTGATAAETDSSTKKVARSFSGRSTSR
RHRKGFIGKRNQSR
>comp2199_c0_seq1; 559 64 897 LEN=1164; translated
MRIISAALLSLASVNAFTPAVLRTHTGQSTALSMSTVSQDELKKQVGYKAVDDYVKSGM
VVGLGTGSTAYFAVERVGNLLKSGELKDIVAIPTSERTKEQALSLDIPLVTLDTHSKLDV
AIDGADEVPDLNLVKGGGALLREKMVEVMADKFIVIVDESKLCDGLGPGFPVPEITP
FCHEHTMRQVAALDSCAGCKPVLRMGSSSSSNQPDGDEIAVTDNGNYIVDLHFEEP IKDAR
KMAADIKNVCVVDHGLFCDMSTAVIIAGADGISVKE
>comp2200_c0_seq1; 319 1 908 LEN=1235; translated
XLFHSIAPIHITPLESIMSSPSSSSSTCHGRLAYGVRRLRPGAEPFQKDFEAWLATHNE
SRLAAALAFDPDSDAHLHLVWDDNTTEEGADDVLLGPESDAFEEEDADGVLHVYGS
ATGGASNSTSTNRKLPVHMOTPLAGYMRRRLRTTAASKDTGSLLLIGVFKRAIHSGKRD
DLAQAFQVRVCDIWKYKTPGILAAAMVFPDPTDTGFVHDIRIFDDKASYDAHVDKSNPELTR
AMEEWFSHYDTSIPHKGIMVAEDTSDPAMHTSSIKKRPVKVDFNVFHYGQGGCMGRCLHV
TF
>comp2201_c0_seq1; 1199 1 3307 LEN=3391; translated
XGSFFSQNTTLKLFNLEGNFVHDEGVQTIADGLQANPGGKLEELYLGWNGIGDEGCLHL
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ILYSHLETLPAELEQVRRAEFERLKLASMSATDTLLEPLGSHLPIDDEISEGELDWADRL
YNDETDLVESGVTIGEVPREETPSALGQVDTEEGDIDEAAEPKTIAMMSQFGKMPPEKSL
LDRLVVFQAAPLVYLHRETAFRQAIPLHDFDQETAIIQNSLNGCSRLDATIDMDVQPATA
ESFASFLASGRGRVLHFTGYGHPNHLLEDEAGYLDLTFSLDTPDLIKSANPPDLV
VNSFHSGRIGKAFLDAGVPHVVCCHHPETFRDKAANSFLKNFYRALATNKSILKQAFYHSQ
EAVRVEEISKVDVRYVLLPRKPEDDPYHDVPIFYTQVPANTLDQDTDNLLLEDGRKLLP
KLPRHFTGREVDMCKVLDALRNQKLVRIIGGIRGIGKSSSLAAVCRYVQKRSGFFFDNVF
WLPAARGVVPDEDTLADLVEYTSMLVKADHNISEDEDALECRERIEIELEGQSTLLAID
SRKFDSEVSAECLETFLELNTDLEVKVILINSNEEDEEATLRLAPIDFKSTSLFLGMV
SRFITANGCPCAAQSPDEYADLIVPPSIAIGEPKSAISVRQERLLSVMGDGIPLQVIRSA
KSMQANIFIRLISMANTPEVHVDSLDSLEVISKWTSRMEHAIENKNFFRALDLQHVLE
LEGQRSKFPSVDDLVAAREKELHRKHTLCFKTRRYEEGNRIKREILVLKKEILRQKRRLAT
NRHITDAALTQSQTNKIADIQAQMKSIMKLANSSFSLLDQESDPKNEAVFRLGSAYHS
CQVRIYPGNVEDFDPGDDL GASICWTNECCDINLDEQGASLLSYGGQNLADDAETLPAIA
ETPWGTTKCGTGNVIVGPGNYDDL RVHCVILAVGPI SPTRDEVLDESDSLHYITVMM
RSCLRSSFILAKHSQVQSI AVPTLTTKVGSPTYESTLLTNLKL VDEAKFSDLNTLHIVA
RSDEESTKLIDMALTMGLTMS
>comp2202_c0_seq1; 350 139 888 LEN=1193; translated
MDDSRISLVSTEEVLRSEAYMLFYRVVDHPYSKLANQVKALNDSYDVSDSLKAKEEKEA
AVASRKRKEKETKASIEIEKNSADASSKNSSRLSDRSIGSGPAASVKRNHRKRKAPEFF
CGEEWARSKTVIAEKNIARFRDVEGKVS RHITFTPEFEKLLSEHALKTNAKIDQIPSSGS
SLLDNCGDSSSTEDINITLLRCFLAVSKNDGIVDFAPTPTPTMTTRSSAASRGKLQSSAIH
VVDPTDDLL
>comp2202_c0_seq2; 843 496 2787 LEN=3092; translated
MPQLMEDKNDGIGNDNDLMLPPRPPQRAVARAVSNLGNTCYMN AVLQALAHAPELCMAM
DVHGHMRCP IYKENAEKMAALSAASSAPSSRSSPDNTLNQNFDSNGELKSVYTYSSTG
GAGTRKSTRRSARTNSPTSNENSEDKSVDDPNVTKFCALCETEHHMDRVHRNTHGSNMTS
NSKAVSPTNFVHGFIDHVAPASFRVGGQEDSHEFLRLLIEAMQKSKQARRRKVTTIDQG
NPQDTPTESLPSEAESANSVLKQEEESPDEYPPQLFSGKVESKVTTCGYCHTTSSTLD

PIEDLGLEVTPLAGTSLNAVGRRNAPSPVPTSSLADVSHALQRFACAEDLDAGYKCEKCG
KVGKATKQMRLASIPPILTLHLKFRFRYSSSDPSMANAGGGAGLLGNGGSGYLPTRRSQRT
SEVSQLIASSGGVTSSSGVDWFSGGKSGSAKIEGPSEFKAVMDLKPYLTEELQKKHGNM
LCRLFVAVVHVHGKNSHSGHYLAYVRNISKNEWWKDDSRISLVSTEEVLRSEAYMLFYRV
VDHPYSKKLANQVKALNDSYDVSDSLKAKEEKEAAVASRKRKEKETKDASIEIEKNSADA
SSKNSRSLDRSIGSGPAASVKRNHRKRKAPEFFCGEEWARSKTVIAEKNIARFRDVEGK
VSRHITFTPEFEKLLSEHALKTNAKIDQIPSSGSSLLDNCGDSSTEDINITLLRCFLAVS
KNDGI VDFAPTPTPTMTTRSSAASRGKQLQSSAIHVVDPTDDL

>comp2203_c0_seq1; 400 139 1056 LEN=1420; translated
MIAPIDVAEQIEGRPKIDVDLLTEASVSGEVFSRRKSKVQFHAVEVREYARSIGDNPTAM
DGPPLGLGWTYQNLKRSSFSEKSQRTESNIVTTGSETDTTVDDHDESITIPIDEYETAT
NERRRRRIMKLLKLRENATFQLKKQRSRATQRQASTGNYYYKSKEKDDKLDPNELTDEQI
NQLSATWLKIQPVPGKTRRKILLEATDMSQNQIEDTVRELAKLRNQRSTQAMAETGLDD
FQAAVEFCVRRRLRIRLGMSSKREQELLWEKAEYWKSIETPHFNRRDSAPRSALKVCEVD
DKTED

>comp2204_c0_seq1; 369 72 1657 LEN=1667; translated
MADKGQRRLVLEEDYTSKLSLIVARDYFPEISRLERENSLLDCLAGDAIGAVAVRRAT
RNSLEEEEEAAARREGDRDVLSESESNENTLARRNPPGANIQIRKMRPLEEETVTGFVM
RATNEDDDEFDSNLKQNIENRQRLEAIYQTKSNPTSKTNERPPGAI SNLCLEMASDD
FAPESNRTAWKHKPLMRNGLFFNPTPMRNSSETDSDAIGNVREQALLKNSTALMVLSDGS
DDMPPPSKQHTSGLLSNRNAGKDKLTQNLKSQLVEYIPKHKLEKKIEPSATRFPSNP
SLIPIPGSALHGSLDEETSDSHTDYMSSTDASTDLDAPLRSLSEERRRFKRKESYRQSY
YVAMSSPRAKQQLPISTHGAIDGPPLVLSHQEEQLEKPESTSSFRMPKNEREFAASNAE
KLMARRARLASPSSLRRSSLKSGKHSSMCQALGPGSLTPAALSMLKAKSIKLRNRDAFGS
ALRRSYTPQVXPPLVLVQEFSEKEKRKSTRGSCLQCDAPKIEIRKTLG

>comp2205_c0_seq1; 565 95 1318 LEN=1505; translated
MKFTVAATLLATSVTATSGSDQSVANDAASASHRGLAVSLEDREFEVTSVLKERRASKNKG
KVIRNLQRKLQQRQLGNEVEEDSQVHEEDLDLGI FSRGLQANATEPEEELSVMEQLIELC
GDTEETDESFSCTCADLNVEAYTASVTCAYAENCLSPTE DICGGNTTFCFLETYNLEVT
A PGTGSSAICYELTSPLSFNYCYGLTYTDESTTPSGCVLEVEGNQCNSCEFYFYDSQP
NVT CNMFDCSNADETIGSGIICGDDTIVSAKIEDHLTYAPLPCEGGCNICPSNGEMSLV
DNNV TMITGDVYQCWQLNLAQAGYLQDMPGDL CNSLLEV VNEPCGCVVPATEVPEV
TPTSDE DTNPEAAPT DAPMSSTEPNEASDGATVKS RFSFAVTALAAATFSWMI

>comp2206_c0_seq1; 251 200 664 LEN=1211; translated
MMKHSTAMNSGKKTIVACLWMAVLSIAWSSNNAGVFVQGMGEKTS SLP L TANTP
ISCDEM IILHRWEGSCCSLNV TNGGGCILNVFDGYCNVKGQEWTLKYNSTYDEKPCPP
SEFSNTQL GMKGEP TLP P SGSSSRFTTKAMVVLGASIFAALL

>comp2207_c0_seq1; 374 105 1253 LEN=1582; translated
MNNETLATIARENTSLALSTLAI AAGA AVVFASTAIS RKP DNS QNDKPIPLPVAP
IGSK FAILPKSGVT LRYTDTQEEQVTEKDSGESSEQVTFVLLHGFAGCVETWELLTP
YLKSN STTNESEVAVRVVAIDMVGSGFSDKPIGDDFDYAYRNQGVVSEFISVLSL
SNVVIVGHS SGTVVGAATASQQQSNESGKTAVVGAVFMACALFRPKSDFFSKSWL
KPLFRWMTKKMMAN RKQSLERMHLPAHAERVLTD D FVEKFAAPTRLPNFHDALVET
VMAKEAPYEELVDELINT PSAPFPMLFVWGKQD TYTPLPAEQKDSIQKLD TMNK
TSEQERQPIVETTELDECHHPQ HEQPEALANEILTFVQKNVKLH

>comp2208_c0_seq1; 1180 105 1916 LEN=2256; translated
MTQSMRAIALLLVFGIVATIVQGYRAPSSLLSQAATNANANAVVGGASP KLSPL
MRSVM NIRGGDEEEESDGE EEEEE SDDDEETGLSSSGSIDYVAVLEKALDVT
TKTKIVPTVIDYS KKGFLAAKTSIVVYGALHRAIQAGLEGESEESDDEDDSDS
DDEGEEATLVEKILMTK KTVKTVQRMVKAALTVPEGDETS EDEDEETIDLEEGE
DDAIDTTEEGTEEGAATGPEETP AAKDGNDEAAVNDNDFGSYLSEAYEVDL
RNSGKSPGTVILDGSLQDALETARKQARML LVFIPSEKPKSEQGGLSLFGGRK
GTEESEQNNLVAIESLLSKEVAKASNRKARKMQAED FGSFAIWGTKAGSSEA
VAIKRLKVKEISAKGEKRAILCVVYPASSGGVIAPKVL AQHHC NPPLKAES
MASWMNALRKRHGKQYEV MQTEFTTELQLYKERKEGYIDSVQSDNQRKAKEAQ
EEAERKAKEVKEARQAEIDARRQELEQSLPEDIKSGSNVKKIALRFPDGR
TGQRFASD QPLTVL FNWVDAMFEIERETVVLTTLN GKQTF SWEGDENTTTLE
DAGLNKMTAFRVSQAA KAD

>comp2208_c0_seq2; 230 1 765 LEN=1105; translated
XASSGGVVSIDSVRARWCRENDAKVSLFV FHSFFARLQPHVRRFRMYRLLTE
FCGSFLFQ IAPKVL AQHHCNPPLKAESMASWMNALRKRHGKQYEV MQTEFT
TELQLYKERKEGYIDSVQ

SDNQRKAKEAQEEAERKAKEVKEAARQAEIDARRQEQLEQSLPEDIKSGSNVKKIALRFPD
GRTGQRGFASDQPLTVLFWVDAMFEIERETVVLTTLNGKQTFWEGDENTTTLEDAGLN
KMTAFRVSQAAKAD

>comp2209_c0_seq1; 149 220 600 LEN=982; translated
MPDYREASNFCARYSIVGMI F MVLI SMMLTYQPFYIGGIEDLDQARSNAYGGAGTFLFVF
ILSVVYLVFDALRGGGNNRNRRESRISRNEYDAVSLSGLDGTEQMMENMANLELPPSVQ
EARFT

>comp2210_c0_seq1; 161 143 901 LEN=1228; translated
MRQSTLYCCSVLLSAVGTGPAMVDAFAPALQEQSNPIRLQATTKDSDSIDIDRRGVFRTA
ATAVAIAIAGTSSISLPANANQAEGVNLQQYEDFTKAPEGFSYRDVNVGTGVSPSIGDRVV
YEWGYTIGYFGRPFPEAKGGPQGGAFDKNQDYRSTVLGKGEVVKGLELAMQSMKVGIRQ
IIVPYGELGYPSTKEDASHDKIGPKPTTFSGERALNFVLDNPRVDRTLLFNVKMIRVDKA
DGKGGFTRGEKA

>comp2212_c0_seq1; 489 240 2921 LEN=3195; translated
MKSTREDSGRDKNDRGGRGKNGRQSGNQGRGGGGGSKGGSRRSKNKGQNNNGNRSSNRSN
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VVLGDPLERNRALDGDVVFVEIISKPPKEKEGTAPSDRTPREEPGSETKEQESEDEWWQ
DDIDQVNLWDPVPIAHKKLIPKSDSSSPVAFDKEQKHGRVVFVHPKEWSSEIKSKQN
SHSRDRSAPTKRIVGTLKRLKGGTALLTSSNNRSMQQFRLSNADAKEYKDAPEGSIFAGK
YTYGTWQETHKWPACSNLEQFGATGNIETAALLIEFGVDHGEFPSHVLEESQTVVASG
QYSNGTESGWRPTEDMYEGRRDYRNQRIFTIDPTTAKDLDDALHITDLGNGQIEIGVHIA
DVSFFVTPDCAIDVEAQRCTTVYLVDRVIPMLPRPLCEVACSLNENVERLAFSCVWRMN
RDGSLVKGQDVWYGRVTIKSCARLDYSTAQNIIENKVAYPGENEIDEELWPVSRRTGGH
TIGQVAADVRLMNEIAQARRRLRFRNGAVALDAVKLTFQLDDRETPLLCEPYKIRDSNK
LVEEYMLLANFLVAQRLITNTGPRACLNRNHEPPDYEGLEKAAALAMEAIGFRIDIESSEA
VQKSLNRLSQEQDPILLKCITELLKNPMKPATYIAAGTLSQPEWAHFALHIPYYTHFTS
PIRRYADVIVHRLQLASIDGEDAVEDFPMEVKEISAICGTCNEKKEGSRKAQERSDAVFL
ALYLKRFPKKRQLAVVTSIGMKAFTVFLPHLGISAMVYLDEHKHWIEAEAYEDPKFGRRI
KLKRTQTHKGERWKELLVKNFLRLRVTCGSDKPLNVNLKLEGPWEGDDETR

>comp2214_c0_seq1; 726 1 1651 LEN=1877; translated
XQQQRYNPSFEDDVFNERYYSIENGYAISCYELAMALYQDLILTENEERKANDKAMEL
AESQLGLNEDATEDEIMDALLSQTTSGGMGAGATSSFVSIPLDIGDDELQDLFGAGTGR
FSEAKEASLLEIEGFLDTAILTFLQHADYPPSGDGARSGGFFHGQTPPKKKKIVVNGKR
KKSQEEELRAEERLFHWASLATAYQNSARIATVRNHHIRARELTNKALELYTKVVVPPYE
ETERGSGKSKARENARQFVSSSMASMTMKEYAKTISIGELKKSALAATALYLGNYSESMGQ
YNKAMTYFQRNHLTPSPDGMYNLQGDVGMHQYREIVATYQKELEDYRGNVRAMYVYKD
DSYEGVLLALASMTMAMGDLPVTIRSYEEAIEIYDRIQSNPDRKTRLGLASAHSGLSSA
LFFSRRFAHSGHHYKALGHFRSVYEGTTPQEEAELAIEDMKDELIQAYGEEYYESLYA
QYTAMGGGKGGGPGSGSGADGPGVSGNFVVGYHNATFAAEEESAATAGGDDSDDDDD
HAHRAHSGEL

>comp2215_c0_seq1; 387 117 710 LEN=922; translated
MKYSVGLVLAASLIPAAASLTREGIGRRDAISAAASGVVGGFLSQVQPSFAAGTPPTKEELG
RIVLGYKQITALLENFEESTTVCRENGGECKRDAEPIRRVLGLRSTTDPLFQIEKVFNKV
KYMDDDIDLEVFFEATEDWNSAMTLSNSMAFISQFGEYNPGGGVEEVLYLNESSKAVLV
AQSAKRIIDTLHLEGV

>comp2216_c0_seq1; 177 732 998 LEN=1278; translated
MALVPDFNPLAPIQSLQLVLLTLTGTAQAGFCSSISPDNSCSSVTGRSLFQQPIRRTRGMR
RRVSDTEDADAGRWCMLTQIADTEDVH

>comp2217_c0_seq1; 539 62 1498 LEN=1571; translated
MGKHALVLTVVLAALQTECCLGFQLARETHLPLSLASGLSKNDEPSNDNGCVSGLCNSEL
SRRDACRSVVGTAALTMSSALLGGADPVFATKEDENGFAPAVRPTAYRVDSTIPPTLLPLS
SARKEKATLALGGSGTDEKEIKIDTLNLNFMNKL VFGSIDFVSQTVS QSKDESKVGP
GYASFVCMGMPKSTTSNDIDLATSLMGSILQSRREELATGLGLSFCPMSSQPALDAFTKS
GDESTLQSALKGAGVGSETIDL YMPLIRYAKSKSVDFLALSPEFQDIEAARTKGLASVDF
ERRKSYVLDPEGFISMTQDPYKLYTDRSLLKDFEPTNSEDNIKGFFAERIFVHEAGASA
VAKYTVNKPESMVVMI SPISDVRYLQINGRIPRVFVGS LVEKNNANGVNSQTVTNKVS DN
AVTTILLNPTALD TLSAGEKLRLEIGTGPDTIDYQSKIADYIWFSSSPKVSLIPRLMN

>comp2218_c0_seq1; 428 103 807 LEN=1589; translated
MKFKLFDKLLKALKPKKEYAAAVKLQTFFRGILARARVSRMVNKLITDILIRRGELPPDFY
EQEEKRKEEKKKEEKKKSATKGRGAMLEIQKGSVKDLTLKFDKNPPKPRETASSEACP

VEEPPSEPKNSIYKSFRCHEHNATKHVISEDILNEQARRLNEEIEHLLLDIKRIGEKGK
KSVKFGELFDDDDVANYEALVGTAKAAKKKGLISYEGQILLKGVHDDHEICIL
>comp2219_c0_seq1; 124 1226 1624 LEN=1729; translated
MILKQVPYTVTKNVSFDVFTKFFYSCLRNSGVATVSHAMKFTIPLVSAAIASVLSLTSQ
PGDTILSLSCAHGGDYRTRDISRNILRSDRGIAGFFVGTTRRLLHVGMIVTIQLLIYDYV
KRICGIGATGLA
>comp2219_c0_seq2; 314 199 1518 LEN=1623; translated
MVRHLGDTYGVKLVATLIVCCFQESSFNHNNRLTHCHSTVTNINQNPSTELSNPIRQQ
RLLATSSGVGNFEEALQHSQNHASSLNAAGGATWDDVLIPLSLELPVNDHTKITAMDKLG
IAIFGGCSIGVFLSIVSKSAGSWRFFLAGGLCAAISHTIPTPVDVIKTRKQVDTRFVDS
FVEAGRVIKEDGFSALWAGLGPTTFGYLLEGAVKFGVYEVLPKAIKSWLSVIASMSSFS
FLNSHFFSFVLSGIASGLAASFILCPMEVIRIRLVAEPNYTSGNWIRGGYKILKKEGVQG
FSKGLNPMILKQVPYTVTKNVSFDVFTKFFYSCLRNSGVATVSHAMKFTIPLVSAAIASV
LSSLTSQPGDTILSLSCAHGGDYRTRDISRNILRSDRGIAGFFVGTTRRLLHVGMIVTIQ
LLIYDYVKRICGIGATGLA
>comp2220_c0_seq1; 792 341 2995 LEN=3106; translated
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FRDTRVVEFDPSKTLRLLAADPSRRAIRYKHGVLIAFGARGAPPPLELFQEEESLPRVLEL
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TMCFASSGIAWHTLPPYLSAELRKKLGKREVDVQDRSFVRYVADYQQSNRQQIELHTAKT
YDLMDTRRTALDLLLLVAPDSFGDKGTAALPTMDVPESMKESSDGRPWYKTSQMARRRNA
EPSALVCFEDDGRISVNAELHVASRIYAAGGCAKYPNSSTGHSCIAGEGSIDGSEAGRLA
ALNMSRDYRLATRASSSYGFSSSGDDIEEAHSFATNSLP IWRSDITSFPACNGDRISSLS
SIGVQALCVGKCDSEQRSTRAFWWTNSARRKMNRF IKDESESSQDDDDGDDGKDEDVDEG
SIRRRKSLVISRHKTRGVNSRGLVKPVYGVGVVYLDHYGRIQGIMTWGLPFADRPGGKI
NPELLEHMKHMIASNAGVSALDAEDNHQLVNLALGKASQKLVALSVKDQVSHTRTRWHGL
DGP IQGFATPLYRYTEVSNSRNKTVNVLKRKDGSGGLVLEGLYVRDDFVLEEVDNPGP
DHLSEENEDASPANIPTTMYPI TVAPASHHDDAYGKKEISLETMKELNRYLAVQLRWEA
NENRARPGEKEDPLWLRPGDERKNTSGKQNVIDAYRRIMFPHQSS
>comp2221_c0_seq1; 379 56 1435 LEN=1483; translated
MKYSFVGFLLAFPRYRGLNSTTSLVAGFSPSPVTRRNYRNAIGYLTGCRSYVEKTARSR
RSSLSAQSGRDSRDNYGSNPDSIENKAGTNNNTKNCNWL VVGDDLSYSASIAEYLANKG
IRLFATVLEEEVHDSVYKRSSQNKAAILSYHNLHDSLVRSDTTGGDDTAATNLQSQHIV
LFGVDATHLIDYFPRTKFSTIVFNFPHWRGKTNAKRNRILLDSFMGSAEVLAEEGKIII
SLCEGQGGFPASTAEWKRSWLVPQYAAGHGLLLHKLKQYDPMYQQTSHRGKDRPWIKDG
TDQRYIFGFPNEGCIDEDLQISCRHEL RVLPKDFVEGSAVGRQEIIEGDAVFQLTKGFV
PDGIRMEVVTREILYPYFFDNEEVTLAI FLLNYSGEKAPLTRESADTIRSKVEASVQQDW
NLKVAKSGRLVSRPYPTHLLPALIRESSERNLTLTNSSP
>comp2222_c0_seq1; 504 129 917 LEN=1047; translated
MAELHPSVREKTDALDAAGNTTAAIGKGFAGSAAVSLALFGAFVTRIRDSSGQTLFTD
GVNMLEPVTFSFLIIGGMIPFAFAALTMKSVGMAAMEMVMEVQRQFDEKPHLLDENPSE
PDYDACCIAISTQASLKEMVAPGAMVIFTPLVTGILFGVTAVSGLLVGALVASIQLAISMS
NSGGAWDNAKKYIEKQSADSELKKGKSDIHKAAVVGDTVGDVDPFKDTS GPALNIVMKLMAV
LSLVFADTFYAINNGTGLLQLS
>comp2222_c0_seq2; 1075 35 2278 LEN=2408; translated
MSLLTGASGLIFGSAVVALLWGYLQFKIIAAIPVKSSSGSGEEGLADQTDHVTATQRLN
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FKSHYPDAKEWILLTSLRTGYGLGGSVIAMFGRVGGGIYTKAADVGADLVGKVVHGIPED
DPRNPATIADNVGDNVGDVAGMGSDFGSAESTCAALVIGSSIGLSSGWDAMVFP IIVS
AVGIFVCLVCSFIATHIWTVKQESDVERALKVQLISTTIVMVPVYAAAMNYLPASFELH
ATVGDVAVLTLPLDATICVAMGAVGGLTIGLITEYYTSHSYAPVRELANSCKTGAATNMI
YGIALGFKSAIIPVVVVALLVVYFSFDICDMYGVALAAIGFLSNLATGLTIDVYGPVCDNA
GGIAEMAELHPSVREKTDALDAAGNTTAAIGKGFAGSAAVSLALFGAFVTRIRDSSGQ
TLFTDGVNMLEPVTFSFLIIGGMIPFAFAALTMKSVGMAAMEMVMEVQRQFDEKPHLLDE
NPSERPDYDACCIAISTQASLKEMVAPGAMVIFTPLVTGILFGVTAVSGLLVGALVASIQ
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KLMAVLSLVFADTFYAINNGTGLLQLS

>comp2223_c0_seq1; 307 1 1788 LEN=1788; translated
RAMKKQLLYLILSLALVIFYGSCDNGNADPVIIVDGPPIESLTVNAGTIENTDFMATAVV
NDGIAGSTISTLATANWTITNGGTTVASGTELSGDLATINIIVAGGGFVGDYNLDLVVS
DSNGNSSTENVSFTVELPLPDFDISGDWLEPVPAGALKVGPAGQDGSWSSGAGDVAGRA
CLFDDVYFTFTGNATGTFGVNVGDMTWLEPWQGMDEGCGTPVAPFVSSTDFTYTYQNNQL
TLEGVGAALGLVKAHNGVELGNPADAPDQVTYEIASQTQEGSVRRMTLQIFSGGETWWEF
LLISGEPDAVPIDVVGDMTWLEPVPAGALGVGPGQGNVSWWASGDGDVTGRACLFDDVYTFD
ANGNFSMTLGSETWLEPWQGTDEACGTPPLAPHDGMGSYTYTSLSGTDLQIVGTGHHVGLA
KVTNGSELGNPADAPGDITYIVSDFVSDGTTKRMRTLQIFAGGETLVAVPADLAIIPLVHS
FYGXAPMRDGGGLIKPQLLKSMMKINSIFAAILVVCFYACGSDDGGETPGGGNTETITIP
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>comp2224_c0_seq1; 494 1 1279 LEN=1554; translated
XAFVLVLFPPMKDQNRFTKTKLTKPKLKMSAAAARRKKQLLARKKQQEAAAAAGHDALDP
VSAQLQKLLLEDPEKLAEEATAYEALQLAQSQIRKVKHAGSYAEAIELACSASLIILEQGR
VSVASQLTALLANVLRHTEETPALLEKLLKGLHAAQEKAMDGKTGAEAVRLNRLQRDWL
RKCVQWSSELGKTRYGNLELQKLLAQSWKLSQQLVAEGADENVDEEDNEVMELKADAVT
HMALEPEPMGIVEMKTPKPTAAETKSGHTCPPADRALLTRAVLCLCAVENLRDASAL
CRAFLEQVEDRDADALTASYVSKDDGKAPSHIFCCMLIRICEKDPRTGPLFSWLLRSFK
RELDGFYKVVQIIQSYTSKIGKIYFNIQPPPSMMNMLENMMGSMGGGGMGGLNPMQAM
MQNMQM

>comp2225_c0_seq1; 653 262 3198 LEN=3496; translated
MTCSSAIHKALTGMTGINNVTVSLATNIASVEYVESETLTAEEIAEEIEDIGYDVT
IIRKVPAYRRTRVLKSVEYAVGGMTCSSAVTKALTGMPGVQTVDVSLSTNTARISYY
DDDQVENDTNEPLDYPGDFQEMIEDIGYDVNGVVDDCGEESLCEENDDNDVDELVPSEAE
NRLEIRLQQNSELKARRNAFLWSFVGTFPILIIITMVMRVLHKDNFVCQFMRRHVDVFG
CKLLIEAILWMLATPVQFLCGHSFYKTAFHGIRRGVVGMDVLVSI GTTSSYVYAF LAMW
KNDSGYRFFETSAVLISFVLLGKWMNAMAVRKTQSALTQLMKLQAKTAIKITIPPSTNSS
TWNPLTDPYSEEIVPIQIKPGNIVKILRGANIPADGTVIHGELTVDQSMITGESIPVLK
SPDDAVIGGTICSETGTVEGDNNALTAAFVVRVTGVDGADSALS KIVQMVDQAQSRQVPIQ
KLADGIASIFVPPVVVFSILTFLTWVCCSTGRVPTGWYDKENPIAFSLMFGIAALVISC
PCALGLATPTAVMVGTVGASHGILMKGGAELEVASKVNAVIFDKTGTLTRGKPAVTDFT
RVVSDEYLRSLMSNDVAQISADYFLLWLLGSLERNSEHVLATAIVKYAELNIESLLRSLP
FAQPSDFVPVTGRGASGVINGKTVAIGNRAFAELHTGSMKISSEAECEMQLKLEGDKTAI
LAAVNGVCAVLGIADIEKTESPDAIRYLHDRGMDVVMVTGDSWRTAKAIANELQIPRAR
VIAEALPDSKINQVRKLQKEGKIVCMVGDGVNDAPALAEANVGISMGTGSDIAAEASDMV
LVGGNISGTCTALHLSRAIFRRIQWNFVFSMGYNIICIPLAAGIFYPATHVRLPPTMAAI
AMALSSVSVCCSSLALRLYKPPDIVARSSSSLCKPLGQLRLLGRRTTEQEYEMIAQQPL
AWSDENSVGSDLFGDEMVA

>comp2226_c0_seq1; 303 1 808 LEN=1088; translated
XKNFVKQSSERDSNYLCYLIKMKQKDGDPDFRSCGLDRSCPRSVTTPQGQGVRLDQYQS
SITGNQNKRRQRQSRQSYSGPTVAIVAQTCTTFCPASTRTSLAVIPDHDFEWYDLEAIR
KVDNKENTIIIVGHHDYNAGLLFTTERQVLGKGAEMNMFNTSITIE SDDSEGKSKDGKNSR
GKKGKNNKGNENKRNQRFFWEKNDNDII EETPAEKEEREFRVQMQELEQEMSIDLSSQS
SGSKHNRNKNDSDNAFFATWRVGD PVIRY

>comp2227_c0_seq1; 366 249 881 LEN=1204; translated
MKMEDFGFLKGTGIGFEDLWEGEEVISESALEARLNKDGLRFRMNRTPEEAEDEVGRLEGL
PGVTVNLPIIGETFLGPPKVESIWEAIGFTATSNNEARQLEKKAIEKCKIAKEGVSENQ
TMFGPGGGGADTRKDWLDKYGYPRLVGTGGIFYADQLSSDKEPSGGFNMGKSGSIWVVPD
VVKEGQYGGSMGWMKKGPAVDGLAKEKL

>comp2228_c0_seq1; 941 133 2442 LEN=2489; translated
MASEESKEIPTKKMGDLKIDAGGKSKSGGGGKKEAKPQREWTPEMQADYDRILSVGEEC
QNPDELRLGLILAKGRGSEHPTGFNLVDGFEPSSGRMHIAQGVFKAMNVNKCTFPGTNSTFI
FWWADWFALMNDKMGDLDKIKTVGKYLLEVWKAAGMDLSNVKFKWCSEEFTHADKYWP
NMLDIARRFNVTRIKKCCQIMGRMEGSLTSAQVLYPLMQCTDIFFLKADICQLGVDQRKV
NMLARDYCVAAKIKNKPIILSHHMLFGLKAGQEKMSKSDPDSAVFMEDTAEDVERKIMS
YCPTEDEKTETDTGGEEDAGKASMQKEIKIKNPCLDYIENIIFSPPGATFTAGTNYT
DFETVRDKFLAGDIS EELKRGLIDELNKLLEPVRHHFTDENAKDLLSKVRQYKKEAPP
KVTNVRRLNLVELSKVPAGSHLVFAPMPTATPTLQEAIDVLTLLRRAEEGQPCVLMPLPDW
SARVTNACDGDTKSITAYFTILATALKALCAETMSKVQIILQSEAILSDPSNYWISVINA
GRHFTLKDVMGEMSDSDPVGWVIARLMLVGDVAGVEPKSVALLEGGNNIHADGASIGSKM

ITEFFQEKLVSLSVQPSVTTGAGPNMLLQRRELEAHKTENDEYLLDDPKVNGKSKMKKAF
CEPKNIEFCPPINVAFAAFGLPDSNGEMI I SRTPENGGDAVFKNRSELEAAFADES LH
PGDLKAFASSTMVATLTKLSTAIKADGDSAKAGKTLKAMAKKLAKQKKK
>comp2229_c0_seq1; 207 1 815 LEN=1179; translated
XSSSSYSGSGAHSFQTKSALKVWTTTATEEEEEADRQPDPSFDRRSLLLAGASSVATGFVL
NENKDALRRAPAIMTSIEAPSEAGGVVAPATTSVSSVEEALTI IESLGDKRFLHAVVASD
YKFLYEQTTPRQNRSGAPKSVLSDIDAEAI FSKKKNVSSSPRSIVLAASGNLAPGKAPSLW
PLETARCSVAGSCDSIHYAWPEQGGAI PRRNNDFAARSAMIVDGIDCGKMSLEDALEGD
MQVLVQAPTYLLVPSYMESNLRRGLQGAFLI
>comp2230_c0_seq1; 278 185 1003 LEN=1263; translated
MPYLSRACGAKIFYETKGP IHGIPVLLLAPGGMRS SIGKWEMSPYNPMMRLSSKNEKHGK
FL LIGMDQRFAGRSTGTVNKDDGWH TFLGDQLALLDHLRVKCHILGSCIGPSYALQLMK
MAPERFGRCVMLQPIGLAHHTTEPGEAWEGLNSDASWDWVNSWADEMIGTKKSSDRSILN
DLYYNMFVAQPHREFVFSITRQDAARIQQPLLIFMGKDIYHPSETSRQISRIVKNTTELVE
VWRDAGPEKINAAASKISSFLLTDFSSSTPPR
>comp2231_c0_seq1; 326 139 1323 LEN=1347; translated
MRTARNGPEQRTSGSCCLAVVPRLLVAVCLPLSNGLVPSTSPATGRPPQRSSAAALREK
SGSGGFLEGLFGSTAPAKSPPRVRTPEGFVTPEPKPLQISESADPARFARNTLAFVIRLG
VGAFVLGWKIDTVFYKQPEDDNDNDKDNGEPSGDGRKTRYSLDLGPF SIRDSSSVLPK
PEQPLVLYEYEASPFCKRVRETINLLDLTVEYRPCPGARQGKFSDEL FEMTGRRTVPYLY
DPNTGEGLFESSDQIEYLLANYGPADASTYDRKALWPVTLEPFSVATSTLCAILLGMPGK
ARRPDARPDNEEMLPLELWGNEASPFVRNVRET LGGLCLPHAMVSCPRGSSNRDRMVERT
GRFQVPYLVDPNTGIEMFESE EIVKYLEEVYTVS
>comp2231_c0_seq2; 293 139 1393 LEN=1417; translated
MRTARNGPEQRTSGSCCLAVVPRLLVAVCLPLSNGLVPSTSPATGRPPQRSSAAALREK
SGSGGFLEGLFGSTAPAKSPPRVRTPEGFVTPEPKPLQISESADPARFARNTLAFVIRLG
VGAFVLGWKIDTVFYKQPEDDNDNDKDNGEPSGDGRKTRYSLDLGPF SIRDSSSVLPK
PEQPLVLYEYEASPFCKRVRETINLLDLTVEYRPCPGARQGKFSDEL FEMTGRRTVGG LR
VPSFVPDGLPVFIVLPLAVPYLYDPNTGEGLFESSDQIEYLLANYGPADASTYDRKALWP
VTLEPFSVATSTLCAILLGMPGKARRPDARPDNEEMLPLELWGNEASPFVRNVRET LGGL
CLPHAMVSCPRGSSNRDRMVERTGRFQVPYLVDPNTGIEMFESE EIVKYLEEVYTVS
>comp2232_c0_seq1; 117 1 321 LEN=495; translated
VCSSDLEKSQSKIHDTSKVNSSNSTSNISLSSLSVIEDAAQTHLTGRKRYRTVVPRR
VYLD SIAQQCDEEQDSFYVVQSDPETSRTGKRLLLESFEEATTLNTF
>comp2232_c0_seq2; 528 179 1996 LEN=2170; translated
MSKDAPPCFSDGRKFPLISIPKPADRGVTNSNINDRAPPKSTSKRIRIRRRNPFSDGRRN
NFPDLNDFKSTSESPSPGRLRVGHDSFHSHSRHDAYDDEDECYHLSDVGETSVLNMSIG
ARAALNEHARHVAKY GIDGEVAEKQESDESENQKNNSYEISSNAGTNVFLDHQWERLFDL
SQVNYSSSEGS DSGGI PPTPNFGTINSKFDVNVASTDRSGYEESI EVLTDVSYDYFNSSR
INLLVTPERNKNFRTAMIVTRDGN GVEDDLFGNHQNF LFDGAEADGLPYHDEI ETSRVGS
CRFTHSSQEGAFVQDPWVSSFNIGDVSRI SAHSVSNANCTPNTSFQNYHSHGKKGNKSN
NFNGPLSAHFADSPSMILNDSSSFSSIGMGPSQLPFDNNGYTSPEIPFSPSNDQKSGIR
TKEKPSPDRSANS SSSI QSTVSSFIAEARTMAKQVVS DVEK SIGAMESLPVDFLRAL EIG
RADTLSPISRALSTPPSSRRDGSKKEKSQSKIHDTSKVNSSNSTSNISLSSLSVIED
AAQTHLTGRKRYRTVVPRRVYLD SIAQQCDEEQDSFYVVQSDPETSRTGKRLLLESFEEAT
TLNTF
>comp2233_c0_seq1; 901 183 1925 LEN=2028; translated
MNRGGMQPGII IILREGTDT SQGLPQLVSNINACQAVADAVRTTLGPRGMDKLVAAAGSKAT
ISNDGATIMKLEI SHPAARTLV DI SMSQDASVGDGTT SVVLLAAE I LTKL KALVEEGIS
PTRMIQTIRKTRFAVEQV GALAVETDREEMLLK CAGTALNSKLISSHRLDFAPMVVSAV
TKLHEAGNVDEIMD VWSIKQIPGGDVRQSFLVEGVAFKKTFSYAGFEQMTKKFENPKILL
LNVELELKSEKENAEVRISSPKDYQSIVEAEWQVIYDKLDACIDCGANIVLSKLP IGD LA
TQYFADRGLFCAGR VADGDMKR VAKATNGSIQTTTNGLTESVLGTCGCFEETQVGDERFN
LFTFCPSSLTCTIVLRGGTEQFIAESERSVHDALMVVKRITITSGSVVAGGGAVEMCVANS
LRRRALEIEGKEQMI VAAAYAKALEVI PRQLCENAGLDATDVL AALRRKH FVEEGDENACW
YGVNIEEGGITNTFDLGVWEP SDNKMNSFQAATEAACVILS IDETVI SPRSQDPAAQATG
QMGGGAGAMMG NAMDIANS GGPR TGQMGPVSYMKGRGGG
>comp2234_c0_seq1; 716 74 1887 LEN=1944; translated
MKFVAACLLASAACPGVSAFAFHSTPSSNVAASTEVS MKRASLKP SFQLNAETVDSDTVA
GLPDTIET EYELLGLPARPGRPLKVAIAGGGVGG LTAAYMLKKGF DVTVYEKTSEFARF

GGPIQFASNALSVLKEIDDRFLFDRVMEKFTFTGIRTCGIKDGLRSDGSFRMTDDSLDYLV
NPDAPADWFVKFPLKECADLFGLPYTGVIDRDLQEILLDECRQIKPDFIQNGNPVVGYE
NLPKSGSVSINLDDGSTAEADVLVGCDCGIWSAVRNQMYNEGGVKSLSKNKKKRQGCDSYG
YTVFAGETVLKTPDYETGYKVYIGPQRYFVTSVDVGDGRIQWYAFFALPPGTTKAPSGWG
GTEREDQADPEENLVEYIKSLHEGWSDEIMTVLDATPPDSVSNXDLYDRAPEFFRSWADG
NVVLMGDAIHAMMPNLGQGGCQAIEDAYVLTENLANTKSTDKIEASLQDFYKKRILRVSA
VQFLSRLASDLIVNAFDTPWSPHDNLGKSWKSYLTFFWKPILOQYAIFFPAQFAFLYSYPS
GRLDDVAEKLSDEWKSRRHFEASEEAFKKAEEGFVRESGPSFFQKAEVEESKPLVAGLKS
FSIF

>comp2235_c0_seq1; 517 382 2172 LEN=2816; translated
MTKQILLKTPRGNTAVIPVDHFVSKAKAGATATSGAKPTLAFSSPGERRTASVLSSSNYC
DYPHGHAPATTEAEAAAAIAAALDTSRIFEDHEHYDVDRESKEELLFHLIGASKRRDVGR
KRNLRSLYNLEVEGEDDGMEIETEHYAHQHPHQNECQTHNNGWSSSDDEKEQTVVATRLHE
MDINRDDYYSYGAGNRRLFKSPRRFYSHSGVRSSAALVPTSPTPAVRRRQREDPGLAR
QADRP SQQSSPPLMVAFYHQGRKVS LDRIWDWITGSSAAKSESGTTDDVGVAGRSNSET
ASSSSSTPLFPLYLTLST SARLLGGIDRQNRVSGKFGGGVSSSQNSERERKERLQKQAL
ESIDLAKDPYLMRNHLGTYECKLCLTLHTNEANYLAHTQGKKHQAGLAKRAHMEKLRKER
EEQLADRNNLKRPPPGRFVCPATTRKVPRI GRPAYQVFKSKDPDTSQRCLTFELTYKD
IETDLQPRHRFMSAFEQRVDLPRDKRYQYVLF AAEPYETIAFKIPNEPLDRDPGRLVTHW
DEDDKKFTVTLYFADGKDGGPSNENV TGGSHKEAASMEIDGSAAGTSVFAPALGSH

>comp2236_c0_seq1; 164 332 1441 LEN=1994; translated
MTPPQCSTNDDGGGFR LRIPLLDDDSYHDDSGNRVLSQKTIDKFRSDGFVFPNVLSPDA
VDALNDRLEDVLRGVYDRGQKPKDTPRLLKSHKPQSLPRDESTYPSNVETENPEIAAAAE
IEPKGSGKHKHRKKGSPSVGP IGFSGNLENVKVLQI INIHKADSLFRRLETSASLAKI
VAELAGWEEGARLAQDQVWAKPPGAPPLVFHRDSPYFMFDPDPVVTVWLALDDMDGALGP
LEYVKGSHLWGDGRVGS AKQFFQADTRSLLRSAAREG IPEADLEFVSMEGLERGGLSVH
HGR IWHGSAGNSSTSLPRRGLGLHFVPSTVRFTADTAKSKLWKSYPVEDLEGDPSEVELPE
EDFPLSTAL

>comp2237_c0_seq1; 679 96 1412 LEN=1541; translated
MTEQTS GASQPPALSDL SSETLLSLGDSHFVDENYEEAADAYAAAALSLFRETEVSSQVRA
LSHRSSAFFKLGREDALEDSQKALELLSNNKPSGLRMGEGEICHRRAGLAAL ELKQYQE
AKEALQAAKLASLNQKKTNKELYEDLLQRCDAGLSASKKKTATSAAPLPDFPKNEDVPE
ATSMPSRVSSPSKAKTTTRPALAGVKGKTPKYQYYQSDKVMTISVLEAGVKEQDLTVRFQ
PKHLVILRKDNTDFTVIAGNLYSEIDVEKSKAVFKDEKVLVLRKVEHYEWPPELLGKGD
DNSSKATKKKASEEDSSSDTATNPKMIPSV PQDSKKNRPYASHRDWDAIEKAI EEEDEKN
EKPEGDEAMNKLFKQIYGNAD ETRRAMVKS FQTSGGTVLSTNWNEVKDKDYEKERTAPK
GVEWKTWDGEEKVPMKEDD

>comp2239_c0_seq1; 107 1 318 LEN=667; translated
NQSNSAFARACSLGT MADQKNAVWLHYLRSFLRSDQTDASA EKKR KSEAGLEEATKTNP
SSDFYCEPNGPGRIPVAVHHPFVAMDQSSSSSPQPSNKRVCRSRS

>comp2240_c0_seq1; 688 60 1616 LEN=1803; translated
MDIEKQFSDLLQSVESLKADSVNEIRKLRVENEKLEQLKVFSGGRKQKRMTTANAGFAE
WAQADFVRMAKNTDALHGMDNVEVADGEDGMVLTDSVAFDPEKSSYASGYDYKYL SAKV
LITLHDVGDNNVNIDAGPGMWANYILSKERNSTLKCVDKAKLLKEGKYHYHKSIREGLDI
DTLVAYCKERNIKAICPTSVSDEIYLATHNKVLRGQGIYPFCCEDPQSYKTL DHKWL SYL
FCEENGIPQAKTLPLRVDTVDACRELVAETCAAGKPVFVKECFDTCAGDGVIKVDKIEEY
DDAVERITKGRGPQPADTSGIDQHIIVQAGHPGRIACCHNVFYKGNLVS LYITKENMKIM
DKLGE LRWDMTIGTWSKTTDDLSTSLKLELDDPCDRLIRDQAITIMKKV GKALNYTGMCE
VEFICEHSPDAILNVLEFNPRFSGACHSFV GAGMVQDYMHVIGLMVNTNDDTDK VIAEKA
GTFHARS DTHLPKSNFRDYNTLKFYMPQLATI AKLGKI

>comp2241_c0_seq1; 635 31 1083 LEN=1120; translated
MNLFVTLVALSVLAVTPSTSANASFSRGV GAPLFGISRGGGLFGGKDDSKNNEASVAAS
GEKVMYPAMTQOEVEDWLEHIPVFAVTD SNGAGVVLKPEDESSVFYFFLNPLAANATLTQ
LKS VNEDMDLKVSAFSLGKIWFKLLQSDADREVLLKKGDDDDMTQATK GVEYRLVPDTK
DLLGARMLLTMNPEDEGALKNGQEMTPEMAQKAVEKAMNESPKFKETFNEIPVFTIAQMR
MQKQPAEGESSAEPVTL LPMYFSLQNMVGTWQQFMAQSAPELQGTEPAINLMALHDLIVEM
MQKESEIDFRSVVLVPSIPEGPGGAAPQGPVVASAADPMASMGGATLGDI

>comp2242_c0_seq1; 389 90 1085 LEN=1271; translated
MSETNPEEGDPSAVSSKVEPTQAGDEQKVKKDDGNTNKDKGKKNPVQMTYVSATQIERMV
TVSLYMHNL SWKHLSCRQFYWFTMPQAVLTAVASVLA FVATSDALS DDEASKVILNLIVG

STASLVVFLQTMSGLKNYGTRAAMHQGAAVDLKDLLCDLHILKMKMSQVENIDQEYLDMM
RGIQPKDPEADAEADKEALKYSETFGTIQSRLTQTLNACKSNIPEI SAAFNGLRRTAHL
AMTKANFESFEKIYGHENFLNTYYSKADDILQGEILGSRFFPMKLPYSKVMVKKTMEILY
TQFKDYDRHDFGDFSSTDDATNDVEKQGESK

>comp2243_c0_seq1; 418 113 1052 LEN=1052; translated
MSAAKTMAALAAAVIASSMPAMAFNSVAAPRSAARRAAATATATTTTRLYDSYDDQYAKFQ
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VFEAEPEPEPEPLPEPVFAAAPAVPQPVVAAAPPAAAKPPPAVSSRPPPIEYQSSPTLSA
ESSTLSVTLPVGLRPPKLGKSKDISYGEGRKFRRTVYSHDDWVRHRDPDRFFRYIASVP
TSGIYRNLAREVWAVVAVTMLVLVYNGLITGYQDVSGALHEPVLSSPFLPPLTLPATPFT
LASPSLGLLLVFRX

>comp2244_c0_seq1; 121 646 765 LEN=2763; minus strand; translated
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>comp2244_c0_seq2; 197 1 1643 LEN=2681; translated
XFMSGPQLPAKSTIRKRSVAALLESASNRKATSNERGISNIPRKGSPMAMTARPVRSNKE
DNATANEAKESSSDAMASKSPKRQHYGFQPSANWMIRSPLLWAVAVVLPLFYWVYSKQGHG
TSLADATKTSDIPTGDRDTTTTTILEEYRTLIELSIPPGALTPGEHRKGRYGVHATFCA
IDWDLQSANPSTVPMFKDLKGRSSSCKATKTVVTFDYKLARAARDYDAEQSDRNETDEAP
YPSGVVFHETRCGSTLVANLLAGSSPTMGTSRVYSESPPIAALQACARNGGNACDPDLH
SSLIRDVFYVMGRRRPASPKAEQHRVFYKIQSIGSMSIDKFTAAPFTVPWIFVYRDTVEI
LQSHLQQGRTNPTNSQGGQKSTVIPKVCTRNYNLGLNRQPATTLEAMKDAGVAIDKPPSA
SLDP I EYCA AHLAGLSLAALHEHDRWQSNHKQAASGGGRFVEYSQLPDRWLNEILPDHFG
LGRPLPEQAI SNMETIAGVYSKGRGKANQEWASDSEAKQETASKQVTEAAKRFASGAYE
RMKALSS

>comp2245_c0_seq1; 192 127 870 LEN=1372; translated
MTVSSAYQKSPMSWTERPI PGLTITTAFAVWLGITTVLVPALIQNSYYRTESGKSPLLPP
ITILGWSIMFFNNLNLVIAFCEIALGNHIAFIQNHYQKLLKEYRDAKTGKPKKAEYLAGF
AYLNMPLSLRDLYDGGQKWSQMWSTYSLWDPSYSNPESFGFFIDVGNWGSTIVPCWTWNF
AILFPHYFARSNTDGTAVVLLGFIGACSYWQVLYGTIIYFLSFLWNKRYQYKPLVEVLGF
VGFANGIW

>comp2246_c0_seq1; 1070 225 2509 LEN=2509; translated
MTNESESVVKFIFPSSSTVESPFVWRYCHLKLETIRLNEDPIDIRASYGAAAAATSAATGG
TNR IQCQESGLLLPGADDAGGHDAARESPIPNDRVACAGVLLGYNTKESFQKVVDKNLLK
DVFCDRFFGASSSSLAAPSLVLLTFPDLKQHKVLYWFGFPTIMARAPILASTGGSPGQSW
WAGLAEGLYAYRVREDALPPYFAVRAGGFTAGDDPGPLDIAAPLDRDRHREALDLSEGQEA
VFGFVDP TAIGVASSSSSGSGTKTNDILMMGWPMRNLVAYLVLHLGLGGKVRILSLRPG
GCPGLRGRIDATDSNEFGSMLS AVDGERLAENSVLMTVTLPHSRDYDYGKSDGKEDTKEP
TYKVVGWELNARQKPGPRWVNLKPLLDQNH LAIQAADLNLKLMKWRMIPELDVDLLQKNC
KVL LLGAGTLGCSVARTLLGWGIRHFTFVDYGTVSYSNPVRQVLFNLEDCHFHDHGQKPK
AEAAAAALKEIAADV VSEGIRLSIPMPGHASDNDESLAETVDRLDALVKNADVVFLLTDT
RESRWLPTVMAAHHDKILINAALGLDSWLVMRHGGADLGDDNSSQSNRLGCYFCNDV
VAPENSTKNRTL DQOCTVTRPGLAPIASSMAVELLVSLLHHPKQRAHAPAPGGNNSGNF
APTERSGSDSSPLGLIPHQIRGSIVTYTMMTPSVPAFRCTGCSAPVLAAYDVDRFGLVS
RACASMDGSYLENLSGLTAFRAEAAEKLADLDELWD DDDDDX

>comp2247_c0_seq1; 366 56 1234 LEN=1313; translated
MVFGITIVTRVPLALIIYMGVVSLLLRSILTNYKTAFDAIYRDQTPGIQALDYRTSVRA
NAFSQYLYRDLNATAYTWQGNIWIPPIGVPHYSVATRCLFQSENTVMVGDSTIRQQYHT
LRSFLESENPDNIPVAQFGEGRDFYPNLGSKNAFETTMERKVLGSKGNCFRVRSSTGTDGN
STSYSHHKEKHGPDSTSNSTPGRNYGYHSEECLETGKYDLFRLNCFKEAIDWLQRNSTIP
DIRHRYSFVVL SLGVWELDEYQKASCASLDRLEELLGLVARELSGPDLFVVWQAHAPDSS
HIGDVGADTLALGDRASAWFVENRPRYMDFIDVGNMLVRANRAFADQRI GGDHHAHWGFE
ARALQGQLVAQALHRKQOREGMDCVVPYTHSA

>comp2248_c0_seq1; 414 139 1284 LEN=1784; translated
MKSARGHTGSSSSPILIRGAMLLHRVAEFAIFAVLAIATTTIFSNVVAGRGGVGPVAAES
STAGPFADAFPTYIAPAI SRHARHYVSIHTNTRPESPGSSLAALAAASDVPRLGPDLL
ETLKSQGYVVVEDFLPSDSEWKNLSRSDVLQLREKNKFKIARIGQDSTNTLNEEIRVAET
CFLGRNKAELRDVPSADRERLYDVL DALRQDLEDHGAKGNKLEGLSEFLYAYYPTGGFY
RRHRDAIKGSASFLREYSLLLYLNDSDYAETDGGRLRIHMDSGGDFLPAGEAPLFQDVD
ACGGTLVLFESDRFPHEVLDTVRERFAVVGWYNRPM SIGDLASINSESGGVGDSASDPIR
LAGLAVAAGLVTVGLINLLGS

>comp2249_c0_seq1; 244 309 1412 LEN=1438; translated
MTAGLNSIRSSCRGSLVIDVFGNPSAKGGGDNGNCTSRNRAINCHCRGCRRYHTGAYAS
FLETDWSNIFVRQGRDKIGKFSSDCNEFGPVERWFCKNCSSKLLLVPQHLSSEETAHGD
GGDKVDDDDDKEEKKYAERK IAPDTKCLLNLGPVIDDTIHPDTANCWKEQLDRSENNLHF
DKTKSVWARALPENEDRDYIYDDHQCQTLPTPLKWFGGCAGACRYEFILTHPTMCHCY
CRLCRELSGSPFMTWIPVEKRNFRWIVCTKGVETETLTSSSALQLVVRTTTPFGSRHVCNMC
QSVMTIVYDEQPDITWPCAGSLDDSDALPKSTEEMGETLSRVCHICCRYKPTWLRIRRDGM
ERIEEAC

>comp2250_c0_seq2; 495 146 1549 LEN=1734; translated
MEGGEIYRDNQPETDPSTVTNPNYTKTKHQLEPSHRPKGKCDPDIEEGLLYSYSRNGSRNS
VFFGNNGVNPVPSRNLGPIPAAPVSVSVEKSVEKPEPNDTATS IHGCNNFDNGIQACT
ASTIINGSNSKSNIKSNSNNDTISFREILPRDRTRIQELFEWFVVDYKDEFYDDLQCNQ
SMGSQRLYTLVATTTTTAAKAPLSPAPEPQRERLIACLLGCKLTASKLNRTSRRLIIPGY
ESRKTDRPAGRGAGGDTDPASDDENENDYHCDGEEDRRFLDRTEVFYIMTLGVVGEYRKR
GLASYLVERALEQIGAAAATEHSDGKQPDGTALSNGTKGTDPTTEATRPPCETAYLHVIV
DNEAAIKFYEKLGFRVRLREIAGYYTIRDEKHASFLYAKFFDRASLEKRRARRARAAWKRW
VLAVPGRLLLEALAVGPWLWSIWSSVLVRHGPPEHRQGGGGGGMKHD

>comp2251_c0_seq1; 164 202 687 LEN=1079; translated
MAFVGHATSRRQSTTSLDALGRREAFFGITSALVAGTTLVYNPEAASAKYSDYARREKDW
HDRGEAGQIKVSTAKDLRRQLAEIVPQNSEGSKIIFCPNGASAAVSPLMENKCSDTLMALP
SVYGRTOQSMGNSIPGFQKGYDWSASQSSSMSAAVGGFPKY

>comp2251_c0_seq2; 164 340 825 LEN=1217; translated
MAFVGHATSRRQSTTSLDALGRREAFFGITSALVAGTTLVYNPEAASAKYSDYARREKDW
HDRGEAGQIKVSTAKDLRRQLAEIVPQNSEGSKIIFCPNGASAAVSPLMENKCSDTLMALP
SVYGRTOQSMGNSIPGFQKGYDWSASQSSSMSAAVGGFPKY

>comp2252_c0_seq1; 176 50 553 LEN=1020; translated
MKLRSHSIPSSSSTLSMQEVLSPTKIGESFLRTSRNLFVAAETSERTLFVVPAGSIPET
ESRKEQIIQVVGMTVFFVVLPPFVITILFCCVAYKHFVNTVERDDIRNATPRVPQRRSTTR
RELPTVELSLGDNDGDGEESCTCTVMSQDMDLKSIDAKQPDQSVR

>comp2254_c0_seq1; 90 1 661 LEN=684; translated
XGFSKPLSPSEFAALRAYLREEDGAEIGEDEIPVEPANEASVLGGYADTEELNXEVEVLE
RDEVHGRHPGRRSLLGPPVVRPQDPDPGQPPGGQADPEAPPPPQQPGAPPEVHHPVGPDPH
EPGPVPLGREGPAEDRQAHAQAGVPVPGPHPQQRAVRGGGPRERPRGRPPGRGQGVGGRAEAE
GPGGREGAAAHKHERAAPVSGTTLERGHRRGAMAQRDELD

>comp2255_c0_seq1; 138 143 725 LEN=992; minus strand; translated
MLCWSLAIKWPALSIVQEYLARRIRGVGKEFDRQHPAVPNAVQQHAVVAPEEVDPAFL
RAFLGVHVDVHRRGLAHARHHAACLRWEARSKVDVRPVHLPEAAVPQDGLPRPRVRPVHDA
GERPQGFGRDPGQQLRVDGNAVALVRPYAEDRLPLPFAGGRVQVPRPVLEPEALLVAV
FDHPSDGFQRGPP

>comp2256_c0_seq1; 434 170 1714 LEN=1970; translated
MARKWAAKLDMYRKVPLDLAEGTRRGNIIVSLVAIFVMSYLFYKETRDIYFTTKLVPSLYLD
RRHSEQEQINVTFKITMMDLRCDFVEVDVSVLGINQNATKFKVKKVPLDANGVLNTMAER
NLDQKDIQDIALHDAAVTKSIEDLHVNGEDAIRLDSKTLGYALHENDLVFVDFFASWCSH
CRVLAPTWETLAKVMLDANEESSEEGGDEYGEQELRTAEALDVPVVIKAVDCVEHDKLCR
EQNIQAYPTLRLRFVNGKPFDSGDYEGHRTVLDVMVQYLKLAENKLGKEKLSADGLHSALE
RHLEMSVEERHWAEAFQRLQKRQDVSWNPMEHPCQISGSLLLNRVPGNFYIEAHSPFH
NLAPHMTNCSHEIHYSFEPTGVLDLKEGDPLPPNFYKSN SPLNGNVYVTQKLHESYHHYI
KLISTNGNKFQVLQSSQLASYPHDDTPEAKFILDLSP IAVSYEKISRKYDYITSLMAII
GGFTTVVGFLLDSGIRVATRKRKIKLSHNNKPRTIY

>comp2256_c0_seq2; 264 170 913 LEN=2056; translated
MARKWAAKLDMYRKVPLDLAEGTRRGNIIVSLVAIFVMSYLFYKETRDIYFTTKLVPSLYLD
RRHSEQEQINVTFKITMMDLRCDFVEVDVSVLGINQNATKFKVKKVPLDANGVLNTMAER
NLDQKDIQDIALHDAAVTKSIEDLHVNGEDAIRLDSKTLGYALHENDLVFVDFFASWCSH
CRVLAPTWETLAKVMLDANEESSEEGGDEYGEQELRTAEALDVPVVIKAVRDI STL SHNE
RQVVPFS

>comp2257_c0_seq1; 215 84 836 LEN=1652; translated
MPLLGVGFSMGSSGDGDSPAFGKSLDEIISDRRKEQAKASSGKSVAACKNGKIEAKNKKT
AMADRSIATGRAKRAAAIKARRGLAGNGAGNGASNTAGNGAAKNNASSGKKKKAKASAME
IEKEVYRQSRKTSESKRAEQKKTGGRLPPNSSLRKNNNTNKKSVESISPEAPAVVTIKQP
RKTQLMAAIKGMEOAGCPVPDGFQVAMQFIPSPVTKATKGMGKKSQAGSNKNNNSTNKRN

TSGRGRGGKK

>comp2258_c0_seq1; 610 68 2334 LEN=2686; translated
MSANENNNMMMGKIDDEVVELRFSNINVDTEELISGIISDEFEDIVEEYADATAERNTNR
GTKTANRLSAISFSKGTDRGPSILSVRPSLMSLGMSDRLLEKVMEDLSDPSLDPCDLPPQ
EQNSSDNASDTSWAMNVAAPETNGDLYNDDRHDSFGASPSVSAPTLDSPSSNPFVTGVA
MESHSEQFHAGGNYAKGRISMTADPLVFGAGGIPIDAHNGENHYESTQPFADPAISQN
IGDQTYNDSISPPPLKRPFAMRFSVSRRTLNLMLDDDDFFHDFSPHSSGHENDEHPKPVNVV
SSEMQQTYLNETEEVFKAQELALTRMEKIAVHDQDKVNFVHGI PHMGTLNVEPVNTDW
YLHQLEMELQSTIQDNSAFQEAQRMNPSYVNSKTFRLMFLRTFWQESTFDVKQAAAKIAL
YFSTKKLIFGGGEILGRDVRSLDLSVDDRAAMDCGALQTMPDRDAAGRVVILYAPGQRVF
NTVENWLRAMWYMLSVTAKDEDNQKSGMVMVYLRGFTNRRDTEFAQAKKITMVRDSIPLK
IVGLHYCYNDXVDESFGDGPKGAFDPKPTKSYPRTFGKTRDICFRLETYGIHVDKCILL
ENGHLGMAWYNQWIRLRGVAEVMVASSGTATTPTIDTTIVPKKFDVLFGRGRNTREHC
GNLRCAHLVEMHQLEYENCSKPQKTALALKIVDMVKECGGKFLKKDRKYGWQEVDPDAAAR
EKVSHFFRHLRSTKSSADDDKQPGVTESQKRSAPC

>comp2259_c0_seq1; 575 19 1014 LEN=1061; translated
MSGINETLTLRGTLKGHDWVTSLATTPEDPNLLLSSSSRDKSVVVWQLFNGSTPTTVNVE
DHEYGFARRALRGHSHFVSDVVISSDGAFALSASWDSSELRLWDIATGKTTRRFVVGHEKDV
LSVAFSVDNRQIVSGSRDGTIRLWNTLGECKFSISGNNGEQQGGHTEWVSCVRFSPSQS
VPLIVSSGWDRLVKVNWNLNNCQLRNDLFGHTGYLNTVCVSPDGS LAASGGKDG TAMLWDL
NEGKRLYSLDAGTIINGLVFSPNRYWLCAATEDSIKIWDLESKVVVDTLRPTIEGAKIP
ACTCLAWSADGSTL FAGYSDNVIRVYTVTPS

>comp2260_c0_seq1; 269 206 988 LEN=1325; translated
MPSSSNGLSNESKEKTHYEVLGIEDPDRCELSDIKKAYRKLALKYHPDRVPVGEKESATV
KFREVSEAYEVLSDKKSRAEYDDSLRYGANGNRNTGQGRPNYHGGYNTNHRHRYRDPFA
QFDDLFRNDPFFSEFRGMDDLFSKTFQRRNGGHPNTKSKGWGEWMLDKLGVQMTTSST
STRTNRDGTFSSSSSTYSNSRSSYTSKSTRITIIENGRRITIQSMEKDG NRIEEKYEGNKL
VQRLINGRPQDIGRIAGGDL

>comp2261_c0_seq1; 754 303 2312 LEN=2429; translated
MLRRVTSTATASRTASSLLRRSNPMAIGGNTRAKHPSSRAFAAATSAEKRALNAQQKLG
SSGKSSSTAAKESATGAAPTAESGGGGIGPVLALLVATGGAGAAYNGLLDDFLGADSSP
LPQKLEDVKKPKKKKAAEATDSPTPITNIEKKNANAAAAADESLSTKELLEVEI IADV
IGEVEEVAAVTEAIESIAKENEAAALASVVATPVDITAKIEERPPVPAEAVPKEVKKKTP
EPEPVPEPQPEPEPAPVLMAYSTPASTLDEAKIMSEIAELKKALHEKSDKALTEAHSELA
KISSMDVMSLDDLQMTSSQLKVRLVQMAKDLEERTKWEAVRLQEFLSMKEKEVEDRYVLL
IKKLR IEAEHLQEEKLSEQRKALVAQAEALKEQQARSEAFLENSMQIEAKAHAEDKAAF
EQKTEAMSAKYEELYGKELAKIKDDFATKMNQRVQOMERLTKKLSDLETSLKDSQDFQV
GSLEAHRITAAAIALMEKLESGEPAGAAVNALEAVASENAVVSAVKSLPNSVTRSGIMT
VQELQAGFEENIYPQCRRAANIPEGQDGLLEGQLLGSIFATLRPAPGPEDVAPSEKNSSE
YVLARIRRYVRLGDLEKAIGETKKLSGQVAYTAKDWNHARDRVAVEKALKVIRMECALA
NDNLSKAAA

>comp2262_c0_seq1; 309 86 1207 LEN=1580; translated
MYSANNFEDEPGLEGIDKFEDIPVPSEKVRFDGLDEAAAKAERRRKRNRNRTGMIAA
CIIILVCILIGVII SATVVEETEHLMYQDAYVPETEMPSTSPPTAKPTMHTTPSPTVARKP
TFSVKTPSPTIRHTPSPNLDLQTDSPTEPTGPTSIMTDVYTFEPVGDITYMYLDGNHKVQA
YGHEDSLWVQRGNKESTLPGHEVTIPTIVGLLEFDTTQETPTNMALPKRSRWPAAEENNV
VVTLRLHHVAKSDSDELAVEDILPVNIEVYRLPNNHDWVVEESLTGDDFQNSPKAAREGIL
VAQHVI EATDTLVDINVESAI FLPEDINARMYKDDQVLLLLLVYWEAPNEGDSFETRES
DGRSPQLIFSNMM

>comp2262_c0_seq2; 267 197 853 LEN=1226; translated
MTDVYTFEPVGDITYMYLDGNHKVQAYGHEDSLWVQRGNKESTLPGHEVTIPTIVGLLEFD
TTQETPTNMALPKRSRWPAAEENNVVTLRLHHVAKSDSDELAVEDILPVNIEVYRLPNN
HDWVVEESLTGDDFQNSPKAAREGILVAQHVI EATDTLVDINVESAI FLPEDINARMYKDD
QVLLLLLVYWEAPNEGDSFETRES DGRSPQLIFSNMM

>comp2263_c0_seq1; 256 528 1064 LEN=1846; translated
MRLIQSLACCLAFLLSSGPPHTLLWTVSLAVSASFASSTPHLWTSEHRRHASSSKMVPGG
QGA STRAIDALRTRKRCLRDINDNDNDCECECEPVWDRDDGNYDGDGISIGINTNDEDN
FDASSSCWYPINRFALEKDHERRSVRAAEYAHGTADAKIGGESTDQIPSSTTGEGIFV

>comp2264_c0_seq1; 446 94 1743 LEN=1855; translated
MEFGTLHETKDVIDHNGKSI EVNHVDVRDKSRWDVGLDCINSLLRPGSATLEAMTDYQRL

GLKNLKAMIMLSGDMEDDTKNHIPQALLESSESASSDFLLAEYAGYDRRSQAKTLTNSIH
KVLSAKKCAIKMKKIASSNVNARESASLFLSVDFESKERTNLPPhWFDLNTSKLKLRL
DLLSWENLSRWDFNVFVDDTLKGKNTLIFVAWAIIGSPHSQYAMDMACSKIEGDTNTEV
EGLAERKGYDFVSALKIREKTLNLFLEIENYRDVYHNKVHAADVTQNLNLFQMGGE
FFSDGKLETFSMLIAAVVHVDVGHVGNNAFLIHSKSDLAIVYNDVSVLENMHLSTMFRII
TGNSRDPKIDVFENFLEEETEVARCLIKAVLSTDMTKHFKLNLTIRGVILSQEDGEVET
ESLPMDICFTSEILSFMLHAADISNPSRDTATAIKWADKVLSESFHQGDLEQSMGLPITP
LSDRNSTHREKSQIDFIKFIILPTFELLGQLIPRVTSEVIPKIFENLKYWQEQLDRENE
VRSRRRSKT

>comp2266_c0_seq1; 599 369 2153 LEN=2823; translated
MTDTPQLAEIAIISPELGLKTDDVSDRRARQAAAEILASDHNNNGDETAGLSSQPQQSS
VLEQDQGLLMDVLKELDRERQKRAELEARVRVLEQEVQFHRKKSTTKSNKSSKSSEASVR
DYTIVKTERDGYKEILEAITQDRPAFSTYAPDDNIQKRRFGRNRKQPPSLPIHIVRLL
VMPWDSRAQQYVFGEEHVYEQFYASAGKKWQKELRYFPTFFKTLPIVVPSPGKIVSDDAA
TKKHRRFSGSANIAPPKQCVLTDLEGKTIILNIDKGYPLPEDGGWAWVGAWKVEKNNDTDE
DGWYSNETSIMSDPSTYYGEFRVPEQGTPIAKRRRKRWSRSLVTDYPYASQMTREYLK
LITEKSIMDSNIVKLSGQLVDTKMNLTTLEAEKEQTDERIRTLERDLEDKNKILGLVEVG
AGLQLTKATSAAADTSDASIKSTDSANKVDEIRSAVTQVSNVTVQKADGDNNTVVSNGSG
EEAALITKLVQQQQQLRLHDPKQQLFDSIRDKGTGLFEILKQKGEQLDKIKQGGGAGGV
GLPWQKKEEDADTDSKETEDPESSTSSAASAPTKSNVYTPSARMRFLSSGSSKD

>comp2267_c0_seq1; 603 198 1751 LEN=2035; translated
MVIRASSVVRLSRHRATSARISSGASSRRLASAAAGSSCTGDSSTVNNLLLAAGAASIL
AAGVALGSANATATNTTDCQDQWGNLPAFGSSSDSIPGSEYSEKANGSNNTIILSKIKR
KRTQQEIDDLEKERQKFEELGQNILSTSAALPGGSDSKSTESVTTKKMYFYRTSQIETE
KKSKEILLAGPSSDQLGSDIAHLLGKELNNMDVGAFAADGETKVELEDSVRGKHVYLVCS
SSNDAMVELTFMLSALRRASAKSITAVIPYFGYSRQDQFGREPVAASDVAIMYEEMGVD
HVMCLDLHNSDLRGGFFSPKIPVENLVPVVAAYFNEELVGDGEKITVVASHEGQVSRAT
IFRNVLQRLSGEDIELAFITKARQRGEKKYTPQVVGNVKGRKCVIVDDLNTGTTLSEN
VEKLAEMGAKSIHAWATHGVFGPKELCQAREKIGSLKDLEYLLISNSVKYD GALPKIRQ
LNVAPLLAEAIARSFHHSVSGIILNINETIQERYDSR

>comp2268_c0_seq1; 458 1 2130 LEN=2344; translated
XAEGSRLLMLRLHTVSDRFNEPVAYXMEFSRKRIALRTVAVLFLGFLTvkQWRYIVLF
HTSSHPNDWQAQGRTEIDEAYLIQGNQSLEYKTTIRSENEELRHRPGVVVVNEI IHRA
FFGLGHRLHRSAAASYHLARSLSSPGASRSPAGELDPVNTDHYNQOPTITHLRFHWESCLA
DGDQGNSSLHDEAGEKKEYNVFRFLFGEDLWELKDQPENSLMASTDSEGSDSKNVGVQNI
RNMIVLRNDIPGYIAGQLYKDLKLPVKMKPKEAPSRNNKADALSSATVALTDKLYEYDTI
LDKVMHSDVHFYRRLVDNRYFERELQDFQVQHKWGQRPLVGLHLRAGNGEDAHFVKSGR
GASIEYNEMITRMLMLINEVAAREILKAEHNEQDDALSPLLFVATDTAHLIPLVEKVA
KLNANDADSMHGLEGLRSLNATATNTRTKTLPLQIITWPQSYLPKNAGVGFDAKKGKD
RCLEGWKSAMSDILLKSKVDVLAARRSTFTQSLPISLGFDRSRKYTEIARASDISSGIS
NDPESDRRRFSFCEVSESDTARITCFGSMQKWLFRGKDDSMSTSKTYQEEDGKGTQASVD
PEIWTLSIPATTSSASDQPEKREQVEHKVTVLLPDVVPVPPNEMKEARDFLRREGSHGRKEA
VNEGKSREAI FRYGRSKIYKRYAAHKTNDKTTSGWNLVLSHVGNKRIEK

>comp2269_c0_seq1; 411 116 1912 LEN=2085; translated
MAYHQTRRHCTISICGDRYRIYALFLVVATVTLSCSGFTSTAFIVNNAPKLTMLGHTSSF
TKTIQPKRFRSPSEKSNLVLPTTTSVASASSSFEPLFRGVKRDENRCPEFKSDIVDGLN
AQSLATVFFLFFACLAPAVGFGSVLGGTLGNQMGVIEMVASTLSGILYATFSAQPVQLI
GPQGPVAVFVAALFGLASSLGLDFLSLYAATGSVAAVCLAIFAFTSASNLVQKLSRWTE
TFSVLVSVLFLAQAVGDVGATFALPASVVPVLTAMATAMTLVTCTSTFGTAVALKGL
PKTRYGTAAIRKQLSNFAPAGVVAASILLYLDQNI TARLVNHPRFKQTKGNRTSITDGMHGD
LSTLASNSCKLWLAAPVAGVAASILLYLDQNI TARLVNHPRFKQTKGNRTSITDGMHGD
MLVLAGLTALSSFLGLPWC GAPTRSAHVRAALATSDEDGTISGTLENRVSGFSIHALIG
LCAVAAAAPRNLLATVPKAALSGIFLYLGF TSLQGLEFWDRIRGLFQDDVVLDKFD SVKRS
AITVFTMAQILCLWMMQVTQSKYGVVSPLLIALLPFARWGLLRMGAVTKNDMKILDD

>comp2270_c0_seq1; 317 153 1166 LEN=1279; translated
METAKRLQGYQKRGYQWPVLEFVNP TPGWKLMEDRLEQISNIEDPAERFKGYTATMYSG
IVIQNYTEHG FARTRISESLKELQQGIRDGFEDRVNEGYTPSITGNQAWHIQRDDL TQK
VEDELHDKLEEWGRVDLDTYVYGLRFRNTTTIKMHLDKKGSMSMGYVLHVDSDDYDS
DGDWPFLIEDFHGRTHEITMVPGLDILFEAAKL VHGRPHQLNATWYCNVVGHYYPREDT
WASMNHVAAEYAVPPKWANEPGSSKADDAMVREIQFRGGLREPGCMDGWCRSTSLERI

QWKGPSGPSTHWIDANGESHEFMGRLLKQKEEQKAVEL
>comp2271_c0_seq1; 485 1 1323 LEN=1400; translated
TGSNRNGKKVFSQQQLRANALLSSSGYLKDKTGISLITENMASITASSALVNVVDGAEELC
LVRLLEDESAAPGSIRPTFVQDCEACIAHSDASQLLKTIVSDQGAIAALVSLDEEAI SAIS
LLAACLDRVEDSSAVILNNLADSI IAISTATGASSKAISLLATLYNMRSDPTEKVGLLVK
MIRLAVESGDVLESENSVLGKWM DPAQVETMLNEWNVEPTGRRELYQVAAQSSQKSPAAT
QQFTLLVVETYSKSDVDAAGLEAAKQAAIGAIRDPVTLFAQQRKILSLPAIQALEKSDAP
LFALLKVLQEGKLEDYNSYIKSNGGDSVLAQWQLSAEDCSRNMRI LSLCSLAADHEEIPY
SVVAETLQADAGDVEKQWVIAAVSSGLLSAKMDQLQQKVMVERS SVVRKFDMDQWKALQSRL
HLWKQNVGGILEAYKQSLNK
>comp2272_c0_seq1; 808 121 1263 LEN=1508; translated
MAPSTEDTTPEATVAETTPAAPAEETA AKRPSEEEAENSAKAKVDDSAAPAVDADAERL
AKTHAYGKLI LFGHEHFVYKVPALVGAVAAYTDCS IKLEDPADSKDESPTGIVEVIDNR
PAVFNKTKKAEEGKAIDLVLNHFKIFGKGGKATLTFGGNLT CASGIGASAAQVVALAR
AVKETLPEFAKLT DDEVNAAGYEGEKGYHGTPSGIDNTAATFGGLLKFQRTDADPIFEKK
TIKEPIRIVYASTGITSSTTEVVG DVKAKKEADPAWFDDLK KYCEVATKGEKALEDGDT
ALLGSLNENHKL LQDLTVSCKELDTLVDAARAAGAVGAKMSGTGRGGLMLALTPTEEIQ
NAVAEAELEKIAPQVWKTSFQ
>comp2273_c0_seq1; 518 44 748 LEN=1007; translated
MPLL TATVVKEETSSKLGIAFERLAEDKAMTIK LIRDDSLFAGSDLCEGLIVASAVGKDM
EGMSPKDCADALREAPGGEEISLVCKGSKATIKKEKKLLKKEPKIGISFKSTTSAPGKI
FISNIKEDSKFAGTDLTVGHQVLTINGQKCPGRVTEAVEMLTKKGVSEITLVTIDPEDEI
VVPKVKEEPVEEVVEEKEDTEAAAAE EPKEAEEDLTPEGNKTILD TMFGVCMC
>comp2275_c0_seq1; 606 1 2033 LEN=2102; translated
RYRMTLKGTRQQIPQHRATASATNRDIEHQQAEOCTQSAEDXNKNNNHQSVVQQFERRLA
IMLFLLSRSRSTTIPVFLSFLLVGSCIFGVGSASETEHAPYLRRDSGSKEGSPISVVGDD
DPDIKEMYITQQLDHFDR TNEATYQQR YFVDYSRHGSKQSGSQETLPIISLLCVGGEGPG
FDESVLIDSVHCSGDMLELAKRIAQTKSHRVHLYALEHRYYGKSYPAFVDSKTGNKTSPL
TVQNLRFLLSSHQALEDLAHFVHTMNKETSTGDGPSANTWVTFGGSYPLMSMYARYKYPH
LVFASVSSSAPLQLRVDFPGYKAKQGWGLKYDKVGGSEECHRIVQAGHEQAVAVLHQGN
KTNATEAGPVVLAKKFGVCDPGKALSMRRNQELLLGDGLVVIP SQGNDPKCTGGELCNIA
GLCRFMIQETEKMRNATAHNSTGKSNI ELEVLA KVSQQORSERTRGNEKTYKHNRQQMM
QRMRLPRLLAGGGDNDDCVDVDFEGMVKYYS DLEVRPFGDRSWLWQTCTEFGFYQTCGDD
CPYAAHFHQVDMLEICARLFN ISSDRVYENVQSSLDAYGGKSFLESGATSRILTVNGNV
DPWSALGLEENDSTSFLLPVKMVDGASHHFWTHAVKDTDALEI IKIREYIYSCVMSWLGI
TVPHNPLLSLHASNVAR
>comp2276_c0_seq1; 481 399 1724 LEN=2592; translated
MASNRSRNRTOGRSHTIKVHDHDVLSGRGVNIAQH PGENERFRSLINASRDEKYCSDFTTE
EKKALAEVIDHIESLDPPGRFLKREGVSQSSRGLEGPWEELTKKEASKKATQALRDCNR
PDRGTGAAQVKAPPDVKVTAEEERRRSGISLKD HAAKVEERSKQPKRNKNSSSSDNRKNP
PSSVTAASRKSTKRSIRGSSPANNYK KHRLEETPLSFLQEGPFGAQPELSDSVPFNEATS
STAF AETS VGATPGPPHETSVPVTE TPVQYRPTFNQREPQDYGFHHQSHYQNOQQQHLHP
YSRSLPVPIMPNSSASYLPVDTGHHQFQSQESNEGDSVPYRAPYSPLVRNSPPRHGNGHS
EDVLR LRPMDFRQTLFDGEEDDFESMAANAAAGLPHGHNEGGFDMMHDAHHLDET NENIS
NGNVANASNQLILPWPSPEQK
>comp2277_c0_seq1; 141 119 454 LEN=682; translated
MLSPRSTIAAALLVLLAVDPSHGLAGVVNRFRRSAPWGRAVARQRTSTSTTSVGLPV
RAAVAKQGLL TEPEPELSPHPPGSTPF DADAYRQOMTDLVYQRSMERIFRD
>comp2278_c0_seq1; 273 129 1121 LEN=1121; translated
MSPRSTLKLASILLALSSSCAGVRSGAPYRAERSQRRGLNKRTRGIGGVSGRAEYGSKS
KSGKSGSKSGSKAGKAGASASASTGSSSSSPNTGGDAVPASISPPTAAPGASEPEARAP
TPVYRPVPAPTERRPSFWYPGSDREPT EGRIDPSGGKLPNQNEVVAVVDEEDGGSPFGPG
SGEGKQDGSPSDAFQDLFDLVTGDGGSGTSIGTETGDDQAQGGGSPGGSGNDTDGSPGD
NSDGRDPSTGGNDRSGSLDGDQAGDSSQGTQTGISTGVSTGGSKEDSKESSTGSSTGDS
TGSSTGGSTEVSTGSSTGGATGGSTEGSTEG
>comp2279_c0_seq1; 216 62 539 LEN=539; translated
MNL SFVAILSVIALQSTQAMISPAVSCCEDNGGKYEIVDGS DGQSGVCRKDG VNTAEFYF
MDQNCPPPPTVSPSNAPTMYKSVYAVNNCDATVTANFVLRSSRRLGGNRNSQVEVQOQC
TYVGP TNL DVVYTSQGSYVSSGND SCLNIGDSNNSDCNX
>comp2281_c0_seq1; 224 423 1225 LEN=1609; translated

MCSNGCVCPTASWRGELSRLPPLRRATNRPGDEXALVGVMGVAVTIDYNNRTSTGVLS
LGALS CDHCECEAVRRRSNGIPTSGDVFSVGKITHEPATKISFPALCNGMSLGGVGVRIK
YVFKVYAVGAYFDPIAMA AVKKG TQADIEGALVDPTYPR TIRIVMNRGLSVDFK FIAALN
EAI EPRLNGKNLETLDEFKELFKIDLIEGDEIELTIRGDTLLLKTGLGVGTIRS QPFTE
AMCDVYFGKESVSPTLKEDVLKGIPAL

>comp2281_c0_seq2; 197 423 1368 LEN=1752; translated
MCSNGCVCPTASWRGELSRLPPLRRATNRPGDEXALVGVMGVAVTIDYNNRTSTGVLS
LGALS CDHCECEAVRRRSNGIPTSGDVFSVGKITHEPATKISFPALCNGMSLGGVGVRIK
YVFKVYAVGAYFDPIAMA AVKKG TQADIEGALVDPTYPR TIRIVMNRGLSGEFLFFSSV
DLHVLFSDFPKL TEACPSXPPAPLVDVFM TIVFVEYCAVDFK FIAALNEAIEPRLNGKNL
ETLDEFKELFKIDLIEGDEIELTIRGDTLLLKTGLGVGTIRS QPFTEAMCDVYFGKESV
SPTLKEDVLKGIPAL

>comp2283_c0_seq1; 158 232 450 LEN=1457; translated
MASYSSALALLLVLSNASFFANALDIEFDRIQCDETL SAYSSFSEIEVTCNDGKDSRCSF
GNDVNIKGMCKC

>comp2283_c0_seq2; 235 232 990 LEN=1295; translated
MASYSSALALLLVLSNASFFANALDIEFDRIQCDETL SAYSSFSEIEVTCNDGKDSRCSF
GNDVNIKGM LHYHNL PYLTNNTGYASANRLLSVEYNLFDLFPVDFCGDWAVPYNSTYG
HDCPDWDSYAFDIDYKLPWDDDDITWFATGWQGVSNLAIYSNQTVDSELITYCTMHHW
TYVTPSEDEDFR TLPSAAVTGIALASFLVALFCCCCYVNCRRRQKHVTDRDYDDEVSR
KSRYERYEEHAC

>comp2284_c0_seq1; 594 86 1564 LEN=1672; translated
MNEICGFSSRRRRQRKNLLWNSIAVLISVSGSMGSTYAEDFATQYPTTESTRFDDDDNSY
DDILFFDLPSMAITLDVDTEDNVLIPFEDKLTESI EHHLEHFYQKLLTSEIGNPKFIHV
DLESNLLWTEVSMAPNMRQTDDVTFVKKYQVQGIFNSKIKLQVEPIVTEEGEKEKLSLLN
QVLMDLFFLEAFEDDYQWDL LHGF LLEPLLHDI INVEINIMDSGFVHPHDANGNLVFEQG
GDDFYSKSIFSLQTKDVHWMVGVILATSFLVGLIALWICLCIATKGGKRHYCFRWLRGK
TTTTYYDDKSLEGSSVTGSTSSHDSVSAESEATSLSYNLDAWANAIT SITLRNPARRKRG
AKVVKRPFYFRPSDEHSSDLSCIAEGDNESCTSTVKSAGTSRSERSRRKRNRNSKSSWKSST
AYDLPSLDSSSVSSALSSVIYEEPEKETADSDENANGITEDDDGTKQSAPLLSERGLIR
LMPSDDEDDFKM

>comp2285_c0_seq1; 873 903 3017 LEN=3178; translated
MKTHEFDIRVALVGYVSVGKSTVLNALLGDRFSEVSLKRRTAGVNLFRISQPSQVEGKKD
LEGSATQEWSTLDDCKVMKGANATHEEISEDNKKLRSSDVVEKTFDIQVDYQICEMRPD
TNLILIDIPGINEAEASKKYDYVESNWDTFDCVVVMDA IKGVNTEEQVELLK FVQQNN
QNTKDIPTIILGNKIDDPDEDAIALMHETHTKTMEIFGHVDSKYMPHERKTKDNENNYF
GSNETDTAFIPISAKNAFTYRKAGR IDTDHLKDAKHRDLLNKIGNDELGRKWSKMDMDKK
VEAVTEILRDPaelDERLADTNFN TFLAVLSSFVGS DERQQDILRKQTELELARISHGVL
GEKAI AASILEVFKRMKPIGWVDTGILHTAFWGAFENFKCGALIDAFETDVSPKAFGRAF
TELEKYHDVASKLGTKESERAIFEMKMLRSQVLVLLQKVNWSFHSFCMEAGVRLHSD
WGEHGCGLCSGYCNTVYRYPQSSRYAQSSTERSYGVCRRSKFASWPDTLTIP SATTW
ANLSPQDWITILASLSLVWNQSWFIEDFGHEKLELEAALLRYRSFFYSSPVGTLSSDKFT
GNQDDDTALNEFILSHSYKDAIINIYGTKSKSKSESQSKNRFDLLSDVIDTNGTDNAAI
TKVRMPMSLADPSHWGNLAWKYIKFCNKQEDMIDSREKKKPRLL

>comp2286_c0_seq1; 192 185 757 LEN=984; translated
MAMTNERWSAPGGTNENDALGAFVSNSTTQTDRSNKSDSLRQMLCQDIGTRTLVLTGKPS
SKARSLIRSMPIPSNNSLGSMTISSTESLWLYGESQKLGSVTNI SKNSLLRYGNMDSRN
SLLSLNRRWRATPPNAVNSNPQKIFSSSFNAPISTGNQQSRWKATQGGDQPIGMVTRKTS
ATYLFPAKSA

>comp2287_c0_seq1; 287 208 733 LEN=1234; translated
MSLLGFASHHALVNLQQSQKTL SIFEKNGGFSPTWKRRKRS DKTKVALLGGTSIATSNGD
PTFGGLATGILFII LCTAVGTFVFANQVYTP EIIEGAQMIRKSNRENEIRKLL EAVRSHQ
EDGKELIELRLPLETALGSTLEEYVA AVEGSEQKSDTIFTMADKDLVKILKQNV

>comp2288_c0_seq1; 210 1 836 LEN=1174; translated
XFTKPAPGSRERMRFDVYYSTGTVGTRLP LVLPPGEEPPRDKIGRVKMMTHLIRR DVSSP
EILEAIFSDPYAHGGARPREGTSNRARNDLRLAQQNDRFHRAFHDALHGIIDTTGDHPRS
HFLNWGTSRFLQLARSVFSFRRIKSGSNQINVP PPHGGDEGEPPREGTEYIDMENGILE
VVQKMIQKSPRLSERWELKEKKQAASKSSGSSSKTERHAGDHLACGGGRHGESSDEHDG
NEHEHEHDDGEGERMDLADEHEHDDNDDEEFGRMLGL

>comp2289_c0_seq1; 663 1 1690 LEN=1708; translated

XDNPEVTQDYSEQPSSVLEXNLFLEDKIGGHYFNQIEKRTRRQQQRKRHRSIMSTLRQV
RISQFALILLSVWIPRIVVDGFSSTTQHRICGRKAPLFSVVEDKQPOTSSVNEDEEDGPA
GIGGAEFFGGNKQKEELYDPVAEREAGKGIELKATSYNRFSLVGAFDSVEVASMAQSLQ
AQINEVLYSDNKKLNRLKRNQKDESDQQLDFPDVNFGRSLSWDTPMTVSSTNPFEEI
RAAKNFYQONIDLAIVGGRRVSEGVSELSWELSVVWPTFWSPRVVLSGSSTVTTASDKVTI
TKQVDRIFGADNNAALLSLLGGQITPRFWDWYHIGMTPSAEQVPRKVISQKGGMAVYQIP
PQLVTAPSLIETGTRDNRNAQMVPNHSFTCVIRTMGPKDDRDIYVPTTPIEVKIGRNDRS
QNDNAEDGKESDDRLLLSWSIPLSTQFQALNKNLLPAEDEDEAEEGAFPECNYVWQPLR
QVATIKYGGNVQDEEISGIRKKLYEQVMKEGLKPKLDEAGKPKFFFQNDVKACYIEDGL
GMVVYDWRPEFANSNEVGIELMV

>comp2290_c0_seq1; 254 494 1270 LEN=1693; translated
MFIFPPRSLVSSLYSKTKREWEKLAASVKGMVTIAYWDTEGGSRPPRLLEGEYKGTPTIKL
FKPKRRQRKKGSSAEKDVVEYQHGERNAKDMRKFLYQLPSFIERVKFGPDDLAKARSKA
DKYGLPVAVLFTSKASTSTTVKWLSEVFRRRMLLVEVPPTEKNKGIREALLEEFSAGTSA
DDSNSLPALYVIPPQEGPLSSETDKGTLQIYEGESFNRRKLQSFFDKTVLKKPVLEPLVK
PEEDPQPKKESVGGDEF

>comp2290_c0_seq2; 209 1 1075 LEN=1498; translated
KCSHIQFLHTKVTTPLSKYDKNEAGNLRFLTVALWQQRCPNRSNGRRTGMDGSFRVLSF
DNHYDEPIRVGLNSQSVVFLQCRDARFLELERNRGGQSAPCVGQHLPGGGYCQLLQPEW
EKLAASVKGMVTIAYWDTEGGSRPPRLLEGEYKGTPTIKLFKPKRRQRKKGSSAEKDVVEY
QHGERNAKDMRKFLYQLPSFIERVKFGPDDLAKARSKADKYGLPVAVLFTSKASTSTTV
KWLSEVFRRRMLLVEVPPTEKNKGIREALLEEFSAGTSADDNSLPALYVIPPQEGPLSS
ETDKGTLQIYEGESFNRRKLQSFFDKTVLKKPVLEPLVKPEEDPQPKKESVGGDEF

>comp2291_c0_seq1; 656 56 1765 LEN=2040; translated
MATINGLYELARRPIKNGNGWFDSLPSLPDFSDEYELVRDTAGTLISNTYDEIEQRLPDD
LKNNYFVFEDQVGESLAVIGLGDVRPRTVIKWAAYLLVLSIVVLKYVSKMKRRRRHKMLY
GNNAFPFPFTKASMAKTVSALVTNSQSPWFFKKCESEDINSSVFRRLRPFVKAPMVAVGDL
VTAKEILQDPLTMKSESHFSSVSSIAGGPNIITSEGPQWKKSRKAVSPAFAFMKKHLDRMH
VCREETEDWINNKLKRYIDKDKDFDIGKEMMRLTSLILCKAAFYDTEVDERAAIASELE
IVTKEFGYDDMNRPLRVRFGILRSSTRARLARTRIQDFAKKILHSHRKKKQTENSTAVD
GNETILSCIVKSRKYEDDSRRISDIVMFLFSGVENTAYSLAWTLFELARNPRVASELNSA
LNGNNDKRAQEMLKDVLRGMRRLRPLPSIGLRTVGRDFYMEDRSIVIPKGSQIIVPSLV
TTRFDVEDAESFRPSRWRDHPDKSFLFSTGRRNCVQSLALAEITWVLSRLCAKFEFHV
VDDGAI EYCGATMKCLGTRLKAKVVPKHL

>comp2292_c0_seq1; 492 254 1603 LEN=1663; translated
MATSSDNQTDLSRNHLFKIRTITAFVSLKSDSFHDDAVALKSKLETTSRALEMARQQLEG
KSSGSGYEIQTLRVATNPFPEYLLGSDSSSKTACDEAVVRERLKVLDCCFEKHGIAFVSL
GPACSQETVEVCTRIVDFSGRFSCSVQLASNDVALARVSAETILRNSKLGNPEDGGLANF
RFCVANVKPYIPFFPAAKARTEDEFTTIRFAIGLENGALLKDLLEKDAGRTIANILPPK
TLSPASGSSFAAGFAESVRPIQSICDNLVREWDGSSAALEYIGLDASFNPSLDEEGSVAS
AVEALDEVSRGFGVGTIAATAAMTTAIQTKLPSEEEGFGIKITGYNGLMLPLCEDKRLA
QLATEGKLRMTDLLNVSSVCGVGIDTVPIPGDASVEELTSLLLDVAGLAERWNKPLSCRV
FPVPNKTVGEMTTFDSPFLVNSKILPVSS

>comp2293_c0_seq1; 392 1 1717 LEN=1752; translated
XQNF EINTAPNXMPPQRGTSNDRGVDSLSEPLVSESIDDTLGAAAESPEIASIANSKDIV
VRKCKRGGENENNVVIRVNHVFLNLLLSVLYGISNSLWSGTAYLAFLKMGHGNGPV
GNI EAVSGLASLVCALPIGYFADKMGKSI VIRSGGMLLFTT SILQIGILQWVGTDFDKNE
DDEDSNSNRNNTALWLMGAIMVLWGLGDGVVNGPCQALYADSTPEGQRSTYFTYQFACYL
SASAVGPLVSI VLFQVLGDEWDLYHLRLVIYITGLGMEVFNSWLMMLFDDSKALDEDQDTV
ESTDENDGDASFDWSNEGIEQRLP SERDTTPTTLQKRQEWIPYLVFFSGLVSSLGSGMT
VKFFPLFFKDEIGMSPSQVQVTVLVPLVMIVMGS LCTKIANAGVGRVQTTALYEVGGIS
LLLAMVVFKNYLDVHPFLVPIYVMRTSLMNATYPLQQSILMDFVPKDKRARWKSLSVA
SFGWCGSAAF GGWLADKYDYHTFLLTAVFQSVSLGIWCCLLPLVPRVEGSELEEDGEEG
PLPDQAEAADDHSPGFSTTEENGLTESEPLL

>comp2295_c0_seq1; 443 129 1382 LEN=1622; translated
MKHRNFPPSSMLVFFAPLIANLANSNYHHA VEGFSSPLLKNASKPRIATP IFAAKGF
GGGGFGGGGTTKTKKQSGKKGNRLADSLADRP SKPVAKKGQTYVKSEQDAMLEELAA
KSSRTPIGKAVNEAKRALHAAGIDTDVDPFDLMP SLISSKFP SLQDSQLERVAGMVKHA
LHPDRQSLLDQSIVADEWRPHEEIHAYMPDLGETKPFWDSS ELSICQKLSENYDTICSEY
QALLQDQKDRFQSVTSMNYESGWKTLVLFYNGHRIPDFPYHLCPKTTELMESLPLAGRIA

GFNRQQPQSGIPLHSDGNMWWLTLQMGIKVPEGEKAWIRVGPETKRWKEGECMLYDTTYE
HETFNESETEERVVLHIDFFNTLKMTTPVEIEVMRYIYSMREEFMKAEGVSKVGNQIL
>comp2296_c0_seq1; 576 332 2497 LEN=2692; translated
MLRSGGKKFKAALTSGPCRRYLSSSPVAAAAAASPGDHASSSSSSIRYAMPLSMLSLA
VGFAAGRLSFRSPEEEERLQQLPKGNPLACCGDNHTTDDGSQAHSHSHSHSHTHSSNFWK
TTSCDAPQLSEEHQQLVKTLRRLVGKDCFLDGREINTETTAYLKGARMGKTALAIVRPT
KLKQIQDIVQASVDAGCAVLVQGSNTGLTGASVPRPQSDGRPTVVISMKNFDTIFPIDGG
EKVVCLAGVGLASLKHVADNFPDRESHSILGSTFLNPTTAAGVAFVSGSGGTQSRKGPFT
DRALYLKVVDPKYGKHIVKVVNTLGIEDLDSEEGEFVANKALDGVIPPTLDSYIDVVKNEQ
DNTMKSNNYTGKDQCHDKKYKEKLCSLDNKMSRFNADTSGRDCNRSEGKVLILATVHDT
FKAPTAKSLWISFDSLELATKFKTEVCLDSPEDLPVSCFYMDRDSFDVIDEAGRFGHL
IKFFGSASPVVSAGWAIKLIKIEALDIRGASTFPDVTQYLLNFLPAVLPKEIMKMGYARD
HHIATTVGDFNGSLGRFEERFEKFKENEGKIDVYECKTNSEKNGVTAFRFIAAAAFKTY
CVGTGLQGYSVDYALPKKDS SSPKLPESNQPVKRMRYSHFLCNVHEDLAYEQGVDTHAA
KMELKHVVDETYHGRLPAEHGHGTEYHAPKDTQKRWMKMDPLNVMNPGVGGGLSTKYRYEK
E
>comp2297_c0_seq1; 371 256 1416 LEN=1648; translated
MKLTTIATNAFLVAAGSFQGSQAFAPTSHTQHKTSSQLSMAQSGTLPCRPIGVGHAAPK
TVVTNKDLEAVVETDDEWIRTRTGIAQRLLVSGESLRELGVKASKDALEMAGVSAEDID
IVICATSSPEDMFGDATAIAAEIGCSKATMAFDLTAACSGFLFGTGTAGMYLSSPNTKLN
NALVIGADALSRVVDWEDRNQCILFGDGAGAMVVTNQNDSDDESDEITPGLLGAAHSNG
EGYEDLNCVYKGTPEVSTPDPITLENSEYNNLAMTGQNVYKFATREVPRVVTEALEEAN
MTADDIDWLLLHQANIRIMEVVAKRLKIPKEIITNLADYGNTSAGSIPIALSEAVQSGQ
VKKGDVIACAGFGAGLSWGSAILKWG
>comp2298_c0_seq1; 449 1 996 LEN=1152; translated
QEPSRTRQINEDKQNEQEDVASKRENLWKHRLPSNAPATQNP TARHTEPKYNTTQHNTSTN
EEGQRDMTETDEPMGESEGMSNPTRRKKPVKPAKSSSSSRSSGNNGTTDQDYDHHHTTD
DDSETDSRKTSSSTGKFAKRTKKANRTLKWEAMIQEHDQLRGTRMKIEEANTPFAYYDS
GSETDGSFSGSARGMSVASNDSGGSHRERGKGGPPNRRAGGICWDALTNKLEAHAAVAASS
SAASARFAPGSGGESEGDGDGHLRRRDEQRAELKRLEFQEHKRHYNEMEVLRFRREHP
DGEPTANGHGEDEGEDEDDYDEQNDGDDEND
>comp2299_c0_seq1; 431 190 975 LEN=1032; translated
MARPAEKARAMLNKWKMRREEGNATPSVRGARPKLASECEHLGDAEFYRTQINKEITGMI
AKIQNPALGEHTIRDLNDEINRKFREKHHWNKRIQFQLSNGTIDYNKRERSARIEEGDVQF
LAVTNNGRKHGPTYRYFGAAKDLPGVKELLEQQQEKMRAMNRKKRGPHEIYKHVGVGYFG
WRDEEDGVLELEEDAFRNHKNKQKQKTDANGTGGPAVQVTEVDLDRLLEKDYLDVPSQ
EEMKQIILAEMKALLARFSV
>comp2300_c0_seq1; 245 95 952 LEN=1498; translated
MIHPAKRINQINLQIANEEYDEAIVSLVGLRTIKLVLSGDARISIESERVEIDRDNDQR
DDTTPSSGTSLEYDFDFSTPKSPSILETADVGNECCHSSYYQPNPQRTRSDLALASHNKSD
ESTTYCSAQKHHQPFRDPMVVRGNFFRASLDNKVCQQLSYVALYNLALSHHLKSMQLSR
KKSEKQTEYLQKALSLEYHFHEALMAQTASNSIPITHGMALLGNLGHIHRELGNQRSSET
CLQCLLSRTMYLVVVTGQVDKMGDLMDTTFDIVFPCLSIGSPAPAA
>comp2301_c0_seq1; 411 116 944 LEN=1063; translated
MATYVVANDTNSRRRQSSQVILLSPEEILGLVDAVDEDEDNETEAKVAIIELAATSTTMS
VRVTSQQRHRRSGPSPTDLHESPPQPRRVSWNGEAMISSDDQGIISDNIGLYDDGIVDSK
DDKYGDDVSDDSMTTNPAPNPPSRETKNLDRSHYWNSLNDQPRDILQATRKNNTNTNTY
HSTDYPMNARALPPAGI IDNPVFRPIDADREAGNNTKKLRIAAAKTANATTTTQIAALF
LILPAQVHDTAIATPTITNSELHHRGLKFFSKLQD
>comp2302_c0_seq1; 320 1 1175 LEN=2061; minus strand; translated
XCACQFLTLIYNDGFSTRCLEFDKNCVDAIRLKYLLSKRIIEVDDLKLGAPVAMPILTEE
QRDYGRFTFQWLGDPQRGLDPIELEREFHTKSKILLDEEKIFLALRSVSHIFLCTNLRVMA
ILVSGLSNMRFLYTSLPYRSIRYYSVYLGPAVGMKSSVCIYTRNRWNLASIGFSFLAGT
ADVLQLEILSSFIVGCHTDPKVVFRPKTCIGYEKNPFGLNRFPLMAIEINPEQLNVQFH
HVYPLLLLEETVLKALEQGTKFFLYTNLRLIIVTGRMDVSVVPYKSIHGFFFFETAARFDP
KASISLYTTSARCTQTDKPRVCNLLISSVNISPQKTDIYKMAHFILDHTIIHPPTNVGAA
PPRVIMATEAVQAQDSDEGIIVASEAVLIRK
>comp2303_c0_seq1; 298 404 1423 LEN=1684; translated
MIVENSWLHADDPVRSVTSKKTILSSRNQTSANEGRRRESAPGRTLFRKTTSSILWIESAR
DMSDEEIDACYQNRDYESFRSREKMRSGFSAWSFMNGTKSEDLLGVETRMQRFRHRQR

SKNAVFAVIFEQELRQENGRDAHSSTGDDDIILAQVYQQYTMESTRLAKERAVLNASQVE
RLTLRRTNGSLMNDVETEEMNKETKSDRTANVGGSPWQIPVSNRNKTDNRNRYSEKVRVYVSCS
RPILPQQYSGMSTPDMKLLDDQKESQDFRYEMQTEMQGRGSNYGSRRQEAPVQQQINRAEE
KFHYRRPTGVLRLKAQDECQSMPLYATAKNNYAGTLAQKW

>comp2304_c0_seq1; 623 194 2017 LEN=2063; translated
MRSVKYLVPCYLTASIVSIVAGFQQQQPNQQFRLQRRVVDPSTLSRQKMPAKTTLSKKS
DAYSRTFGRTPGSTATQLNALSSSPLGALAVLAGIVVVHESGHYLAARAFNITVEEFSI
GFGPKLAGFEALGNEFNLRALPLGGFVRFPENYDSEAVFENEELKRKAKRTLRRREEKRN
EDGNNWNWKDEALDAASLGYWGEKKFEEARIEKRIERENKVASTKPFWAGLFGASNVA
TNGGENNSKEDGELVDIDKIYEDLDELEEFVEVEYFEDPQLLQNRPWQERAVVLSGGVIF
NLILALSIFYAAIGPLPVGSSEGLPRAIFDNGVVVSQVPRSDGPSSGLLQRGDVITEING
RPVQVLGSKKTSVAAGQQQVTDVISAIRATPEGESVSVISVLRGATKPVATTEASSLDAVA
TKQTTTETKTSKTTTTVRIKPSTADGSNVQSIGVMLSPRIERLERLKSNDPIVAFQLAWG
YLSDFITQTLGLTSLVLTSSLSPPGPPGQKISGPIGLISQGSNVVATKDWTAVLLFAAG
LSVNLGVINALPLPALDGGQLVFVVAEAITGKKVDQKLQEKVTSVAVLFLLLWLSFSA
AIGDVGGLFQ

>comp2305_c0_seq1; 336 162 1115 LEN=1667; translated
MTPPLQNDKTFDVPKRLRGMFSPKRQVLKMGAGAISSLPVLVWVKWAIDQRNKRAED
VRTRVRVNVQTIDDLMIERCRPGDILLFDRRWEHCAAGPLAAFVLCALGRTVLCFADNSK
AIGEGKFDHCGIVVPGYVKHESDRYDPTNLLLLLEATAAEGIVARPLLTRLEMSESRSV
LPLALPGERNDQFYESSSSVIATEQIVNKKLEEFRDNWVLSKTMNYSTAHSTLGLIGA
IAYLLGYHTANPGPTSPSAWFVTKALVDAKVAQNVSESAKEAKVEDFLRDYRFQDQDVI
RLRPGWRFLAPVSFRET

>comp2306_c0_seq1; 301 269 784 LEN=792; minus strand; translated
MMGMNMSRSGSSPEDEEFVVACDLLDACVWRDRSSLSFRSVSSDVGVPDPSPVSVGLV
PHPSSSSSLEENRVVENPDCMGEMFPEPEHLIAATPIVLHMVIDSAGDFNTATNASDVHA
DVNDSRSAISIAVEPWQRMMLLVLSFPISPLVIVFLLCSILRARIVPDSIL

>comp2307_c0_seq1; 332 150 1136 LEN=1369; translated
MEADNDKDDPSVETTTTRSQDEQQLDHELKDVVEGNKNIMPRSKDIISGNYGHRKLAPENHG
SIFWDCFVRSLSPLHAGGQLTKYEKSLLDMMMACVKKMGMRVFKRIRDESQSTGKEKLO
SQEGHRSVWCELRTFNARSKTLNDLRRYPDYKWKTLHLERGDSSNIVASAKATASIVAET
ILSSKAKRINEAISVHEKKDFRKSVDLDEKKEYYQYRFAMNAVEKHIPENGIFFDAFDEK
SNLRSNNCTNYVRAESDNETDIFVAPGIATDMVLGQSLIMTQDHRCQQRWLREEHAKARR
EKLQHDNDLYCALFKNVFAVPNQELKPYW

>comp2308_c0_seq1; 398 279 1519 LEN=2141; translated
MKIVKKNISAKDGSVTMLPPETPEDLWHSYNLLKKEDLVRCTTVRKVIKESSTGSTTSS
KKRLMLTILLGKIDFPDALQVRLSGQVRNQNELVRLGAHHTLMLELHQNFTEIKXLLGP
DLPDPRGSLQPDRAKLAIVMHSGLAHLCLVTGSLTITKARIKTNISKKRTGSSQNSK
AITKFFEAIIYQAILRHVDFTKVKALLIGSPGYTKDDFFAYLKETCVKRDDKPLRDAVHQD
KFVLVRASNGHKYALEEVFSDPVIAKKIEDTKVVVEVAIILGKFMRRMDTDPDKAYYGYSH
VKSAADQCAIDSLITDELFRAPTQVRCMYVDLVENVRNNGGTVYIFSALHISGQQLGQ
VSGVAAILRYPLPDLEELELEYEAAMMGNNDSEDEDEDEGIDEVQEDLDDMHF

>comp2309_c0_seq1; 443 482 1327 LEN=1525; translated
MPPLSESGHGGDDVDGFGQNGIERKSGATDLGFTSSLMESISAFESKIEAWAEHEKSKTDL
RAKSYNNTLMQQQAAIDAQVTELASVQRERGANLISGVKEGKGDNSSESNKENIASRRIS
LEEEESTKVQVEILRLKTERDNRKRVKDIELEESKQSIASDAVLRRAEEAKNTTIDD
LTRGVVNYKGLDFEQTGDELEFKFDQLDPHDP SRLFSFTLF INDEDNYDISGCNPNI
IAENLTEILEETNASSDRDNMSTLARRMRRAFKIDICEPERY

>comp2310_c0_seq1; 493 167 1627 LEN=1726; translated
MSDAISVLRGWSNSGKLESEVAFSDEGLRLGETASLTASETVEVAVGGGKTCRYTVGSIF
LQLVDVNQSLLAYRACKKHKVKDAVKAIDKAELIAFFKGGAGPKPAVPEHAREGAAPVS
SSKPAPPPRPEGDRGRDRHSNREDKKRHRSSSERERERDRHRSSKKRELSSSRSSSRQP
ERKEKAHKPIDPEMLFSNLSVVVGKREIKAKRDAEQAKLHAALSTEGFGTVAKELIAEFR
SKHSMHEIPVGDASILKAGAGKDLRIILKLYSETMEKKSAPGRKPTSGSSRAKGFSDG
QKRSWRPYLVDKKPIIVLPKGMTAPITLVNAHKFFAESQFVSRTVMQKELRTKRQAPKTH
FERQVNARFGGGTVQYELMDNPRSKLHRPEDWERVVAVLALGQSWQMKDWPGPYSNPVQL
FHRVFGFYVMEGDNPVKELQGWSVTQTRVSRDKRGLDSVTYASFWNALDEWMAIHKPEL
LPQPNE

>comp2311_c0_seq1; 421 1 1069 LEN=1605; translated
XSNWRFERVPSSKKTQDFVVDSDVQVKKTKSSKIFDSSPSESQEGGIFYFQRICSRNESH

KTKTAHDSYTRVSESSSDCAVTTNGDQQLPNFFFEVNVGDGDLFADLEAVADSKDDSEISF
DDLMDIDVEDGASTEHIQNYNGHPYSDSIYDVDGFLNATVDNLRNASLEDDDEDINMMSCD
DTASNMMNTYLSPVTSKASLSSSTLPFGSLDSPTCVAQDMALSPIFSSSLSMPSASTRPAF
QQMRKIMTKQLMDINNGSMRSLHKDSLPCAEGMDQMYLDTLQKLSISMARSNRTRKSL
SIPLQTMQDGNDSHGLQRQQDYNNREYTRVNQVLKSVQTSRSHVDTCLQSVRMMSR
>comp2312_c0_seq1; 428 160 1911 LEN=2183; translated
MENNFGMICRNDGIGTQRAMLAFNRGRVYDCGRVPPIPRRSSDTTSAGAITLIRFLMTSH
TNHQHRHFSESGWRRRIEKGQILMDGIVVNDAEEMELTKANVKQRYEYVRGPWREPIVAVV
VHDDTIDTGPEPSCQLKILYIDHLMVVKPSRLPTMPSQTYFEFVSVLNALRQLHCMEKE
LSKDKEDEDNCEVESYSNTNANTDSISKNHCVVATSTVRRLIRSHCSALPQPVHRLGVT
SGILLIATSLGRQLTDAMRLKSHNVNNKLRKTYRALVYAYRRDERLSIATDDGSPEV
DGSSKERSTREGPKMLIPDFMMIDCPIGPVFPPIGGDSIHAACPISGDSNDKIDPLYSHV
HLHNQVSDVQENQPQERSTTASNKKIKHALSLVKVIRRNIPRHERNVDKENGGETDSD
TYSGHNFDTTATAVVEIEIPTGRPHQIRIHMAYAGYPLVDDPLYLPGGIPDVRPRPFKTR
KREEDLDQSDATEDGGIDCDEEDNGTHSTTMRVALPRDCGYHLHAYQITLHPCSSRHSS
VATISTANADVSDAAPSAYAECAVSSSSAMMTFTATPPRILR
>comp2313_c0_seq1; 382 191 1252 LEN=1341; translated
MEREARTKCKHHRQHQPQRKLADALRCAGFDIFHGPFSPKKYNDLLECEGLEGLSRLPEE
RRCTGSSGNSNSGNSDYEAYLIGNTKHLWPVFLDWLQLRRQSAASTATATATTTASSIE
AHLPLDYERTAIERVVRESLGPDEEKGGKGDANCNTNCDTNACRCYELFFSSDLGTGLVS
MARVASCSGFSYLDPHTHLSIHPRYGTWHSYRAVLLLASEGLPPGLFETGKTETPILTP
IQNPLSPIDARKSRKAFDRALAITTGTTTDELMDEAMEELCEMLGAGLYRDVDERQEEN
DNDNNKTKSKNETVAAAIALRDSISIGREDYRFGTNQLLYHYTKDPRHLLP
>comp2314_c0_seq1; 405 157 1317 LEN=1454; translated
MPSSPDHDDSCITVKTQGRNYSVERYMLSEIEQHSIHPVYLNHHSSSEVHDSNDISH
GVNENENSSCSRGSKKGHDISRKNNIKFPFVILYLLWNAHIDEKTTATTASFQKGPFRE
AIQKLKCLEMKRTSTVLNQSEDPDTPRVYVVVDMVLVQPSVAKRSNALRSDEFQKHVS
NAEELARCILLSESVGNKQDGDCLGDTTPYMLSAIDLAVTVGLTDHPRAAPGLESC
DAILIGSRDRRKYSDKTGSHRDGVDLKKSCIGIVCNSIQDLIGFDEERETDAVQGMQSR
TDGVRMDCHKETDGEERKEEALESPLSSFAHESHRYWRVHNAGLPPEPTLEKKKFAEY
GPIENNRITWILGTVIALAAAYCWKAS
>comp2315_c0_seq1; 159 1 215 LEN=622; translated
XNNNNNTKKGQGGNSNSNNSNGGNGGAGSSGAGNNNNKKKPRTKPKSDNRVNRQRDR
KMNKQGAFGVQ
>comp2316_c0_seq1; 477 160 1818 LEN=1818; translated
MMISRLAPATLQLLSAFWALAPVISTQSRDLQNGMGLGWNENPGSCHGTLFYFQSEVFD
FGGFDTDNDLTRIRWHEELERSFRMSYNALSEDLCDNSYRRVVDVINEQPDGDILIKRG
GNQYLSYTVAVCRGCDPSSVTLFSPNPDPYFRKLISSDGATIDSMENPLNAVLQKRR
RNSEKSSKSEKSGKSKSKAEEKSKSHYRSRGTGSVDEGTINGSSENGKGTAVAGKVEAGK
GNDAGKGDGEGDAVDGREDEYDCGCKSQYPKYRAPTEEEFATAYGFSIREIEEKPRQR
HAGVIVDNVLKVTEIQDVSCSIVTETFEFSTVAIEFFGNYEAVTDQERSILEQNFVWAYNG
LQDHRCDSPFRKATSADIFFMIDPIAKGETTFVYLLNVKGTCTRGEGCSKSDLLLFAS
ETGGFFRNLQFVDGAECTCPLWGTAFGPPSTSEMEVRYFQVIQDLRFLDGPFFTRLSIDA
SGFVKEIGEGASTPFPTFRPTLPPAEVPAIPGVPTLKPVTLSPTREGETRSPTRPTDFP
TRKPVTLSPTRREG
>comp2317_c0_seq1; 120 1 409 LEN=865; translated
XKISRSNKSVKTFDICVRRRESVSSILPKAIEXPKGWQIFLGASVAIFWGF SRLGAGNKK
RAEQQLFERQERYTLVSLQNEADREYLMREKKLQKQEATIMSEVPGWEVVGKSQYYNASR
WTPDHIMDSMKSNMCK
>comp2317_c0_seq2; 221 95 511 LEN=967; translated
MSVRPDPNFIKQESGPLGGWAHTKVFHLTKGNRGPKGWQIFLGASVAIFWGF SRLGAGN
KKRAEQQLFERQERYTLVSLQNEADREYLMREKKLQKQEATIMSEVPGWEVVGKSQYYNA
SRWTPDHIMDSMKSNMCK
>comp2318_c0_seq1; 233 29 484 LEN=927; translated
MKIAAVLALVSSVAFAFPNGQVRQTTELAEREFMSSAAAALGVAGLTAFAPAKADR
DYAGVGLLGGNVVDVNNANVRVYLKMPGLYPGVAGKIASNGPYKTVGDLYGIPGLSGAE
KDLIKKYESRFTVTPPSADYVIDRINNGLYR
>comp2319_c0_seq1; 338 229 1638 LEN=1840; translated
MEGITHRQSSSAIDVTTTDTIEESVFSPLIEESSAISDIDGYDDDGVSPLLGNNDGNG
TSRTSSNTNGKELADHSHGAGPPGSAGTPQVIINIIISFVGAGLLGVPNAFSGWLLGS

ITLVLVSTLNVYAMLCLPRVQRVVQAKYPNEIVQSYGDVGRLLILGKGEKVIIFLCLGISQ
AGFATAYIIFIAANLNSIYGWSRGLICATCVPGLLGLVQFRELASLSPFSLANTANFCA
LSAVLFQDYEHYTPHNDAIHKADFGGVIYVMAVTIYSMEGVGLILSLKASCKQPQQFSYL
LIATLAAITTFMAIFGSAGYWAFGDATLAPITLNLANHWSATFVKCSLCLGLYLTYPIIMM
FPIWAIIEDANTTQLSRISVRSAILVLSALVAYSVPNFGKFLSLVGSISICTLLGFVFPSPY
FHLHTFGKELPVWQRGLDTFLLVGGFSFGCMGTYQSVVAMMEGELEGGH
>comp2320_c0_seq1; 434 488 1492 LEN=1564; translated
MNRPSNREKRNRNRIKSVRRALSFDLGA PSGNSSHQFVERILHDCFSPPRYHRVAGDG
GSESNKNNTNKNIYATVAGRESERSNRNDIFRPRTNRHHPGFRRGAHERVSHSFPSPRFT
LLSLQEEREQALRDYKVTIEYKHLKSHAPGGVYLIPSMNSLRDFHGIIFVRRGPFPTNGIF
KFRLNLPKYNNTNMWPRITFSSHVFNPNYVNEATGELDVQSAYPTWDP SRHYLVTVLTYL
KKIFYAKNFADARANTA AKELAESDPQAYKKKVEECVHESQKNVYVNEEGSTAKFTEEAV
AHRVLRDLLKHHIKNENQVSKQAVMTQIEKARKV
>comp2320_c0_seq2; 226 89 775 LEN=847; translated
MSTPSKTPTRIPISPIASEEEREQALRDYKVTIEYKHLKSHAPGGVYLIPSMNSLRDFHG
IIFVRRGPFPTNGIFKFRLNLPKYNNTNMWPRITFSSHVFNPNYVNEATGELDVQSAYPTW
DPSRHYLVTVLTYLKKIFYAKNFADARANTA AKELAESDPQAYKKKVEECVHESQKNVYV
NEEGSTAKFTEEAV AHRVLRDLLKHHIKNENQVSKQAVMTQIEKARKV
>comp2321_c0_seq1; 418 1 1632 LEN=1915; translated
LESNPVKPNPIYLTNTPFHLNMPQLQAQQPRILAASSSSWMTKGNASWLATAVGGTAFVA
ASTASAWMVYTHRTKRLGGSIVSGLLSPLFRRSRSLRSSSSSSKQIATAPKSYLDYNG
TTP IYPEVFDAMEPYLKEHFGNPSSSHLFGEPRIAIENARRQILTQLLGVKDTAESNPG
KNGLDLSAVWFTGCGTESDNLAVRLALMSAPSRSSASGGRQKHIVTCNVEHPAIENYLRW
LEEDQSDEIDGAVRSSGSIRVTRVPVNNEGRVS AEDVLKAITPDTVLVTLMLANNESGAL
QPVKEVAEECRRRGVLCHTDAAQAAGKVS IHLSDMGNPDMVTIVGHKIGAPKGIAALYVR
PGCLNEHGRAFRANQSGVLLIGGGQEFGRGGTENTPYIVGLGRAAE LAQEHLERNA AHT
EELRGRLLDNLERLGAARVRANGPGDPCQRLPNTLSVGLDGIRSSDLLSSVGHVVAASA
GAACHSSGGSISSVLVAMEVPE SFARGTLRLSVGPGTTLGDVDEASEI IARAALSQWGEE
GRA
>comp2322_c0_seq1; 380 1 1159 LEN=1159; translated
XEAAARLQRAAEAEAAARIKLAEEAEATRLKKAEEAEAAARLRQEAQEAEAAQQRQAAEEA
RIAREERAERIRELEEQA KDKARQEAIAREQRAVEILRQREEEEAQLKAEELRLASGG
KATVAGVNILRDYVAKFGEAFNPAQQLEQNP NLEQLRTSLNQLGISPGVAGGLAAATLIV
GGGATAIKVLADQAESNIDDAREEDGAMGKGD ESNSSGKDLLDSRIADLENKKEEKTQ
APT VRRTLRIVDDDINGNSPNGQSETSRPNADPPASIKFGDSPSQPKVSPPPVKSSN
PMNTQGPLSSSSSSQKFDTQSDKNGNKVSPVKANVSDSSLNSSSPTSTSSSGFVPPQKT
VGPSTLSPPPDTFGSPPSKTSSPFGVP
>comp2323_c0_seq1; 202 323 889 LEN=1214; translated
MKTAVRTTSSSSDDPNHRSNMRSEATT SNNTHTTPTIWRSTYRYVWLSGIIIGVVGLQSI
TLFRLTSGFTLDETGTL SNATNNAWSDLGIPEAVFLTGAALDRNRSNAESKAF AEALDKK
RWDFQRRQKLRKRLAFPGSNRTARFKERSRKFP I ISSRSDATNESLSLHPVAAVYNNEST
KTSKAKET
>comp2325_c0_seq1; 322 87 1145 LEN=1409; translated
MSAAPSPLLGLRMSNFPRTPAAVSDRCGNTDRVKAMLNQSESTYRCNDYIRRRSRKDKSG
CHATVGEASDSGCPELSVEQEQLD TVCREKMCEWSYRVCDHFQGTGREIVAVSFSLLDRF
VDKCSERSAFKLAAMTTLYMANKIYGGPQAISIGALAE LSRGEFEP SHISEMEVIILKT
LEWRLHPPTVQCFIDAFFHYLSLPSHGAWSV AIYERATFFAELAVYDYAFVPPKRKSLIAL
GCLMNAMEGMDNSLSAEQQRGFVD AVNATFDLEFTTDSIESVRNRLWYVYSMSAQYKEDD
AVAGAEPGDVVKKSVSQRTYGVSS TAATDLSSSPSTSPVSVA AASGPHHIAS
>comp2326_c0_seq1; 729 178 1833 LEN=2083; translated
MKSLSLVLAVFFLAILAVFVMNFVFLV FFFVPVESASRPSSAF AAAGGGWFRTPGESTE
QQKHRKKQQRPLRPSNKRHPLHHQTEQATEPPI IKPPDPTE SATSDPIPAKNDNSTRKP
SVGECRSFGCPIYPPELTNPLQNATIRDALESSR LGGSPGSKSLLPDREKAASIGFAAAS
FATLSQKGESHTVNQDRAVYVPSFSLDLLVSSARKPSGAAAELPAPESFLVGLFDGHGEL
GHDVAEEVV EKL PVL LAEKLTKGLGGGSSSNGEFDDFKRAVATDSYRDNSNNSTNTVNN
EAIVVHAKEYDKTDFIIRKALNETFLEV NKKGTSPTFYLG GCTASVALRWGSKLYVANAG
DSTTILVSAAEKKAPKKKETPSLDVKVEYQTRRDKANQP GERERIEKLGKVVHNAQGF
PRVIVYSHVAKDTIGLAMSRS LGDWEWKVAGVTAEPTIDVIDLSELSEPPAQERSLFLLA
ASDGFWD MRQQHFLATLSASSFV VPSRDTGNESEEEKLLRPLFHLYDI IRRITPKEQTGY
RDDITATIVRL

>comp2327_c0_seq1; 406 73 1251 LEN=2403; translated
MTFHSCSRPRTKIPTKMVPCARELLFLVCATLVILLGCLGSTDALAGPSQPRNNGPVTIK
DERIVLPNGVRAQVVSALPEGWPRQQNQDEILSKKGVDEEKPKPPILFLHGSFHGAWCWQ
EHYIPFFVERGHPCVAFSWKGTGGTPAGEGVTKVRVVEDHCADLEALLDCLPSILGDTGS
VGDESLRP IVVSHSMGGVVVMKFLEKMARSKDLQPSSEIFRGIVSMCSVPPSGNSKTTMRY
LRRSLVDTYKITVGFVLKKVITDDAICRECFGGTGKGPPEGVSEDEDLARYQGYFERDTR
AILDVTDLNQIVPSRSADSGRAPFVADLPPCLVVGARDDFIVDAVANAETATYYGTSAP
VYVDSPHDVMLGGQWRNGADALHDWIQETFLA

>comp2328_c0_seq1; 215 177 395 LEN=395; translated
MASDGPPQPMPMNPVPTASLSNPMAQQQQAPPQAMAMAMPPPSMMVQPTPMAMNVSMTQ
GMVQVQQQQQQQQ

>comp2329_c0_seq1; 434 279 1718 LEN=2244; translated
MVQQVTPLRSPGVEKDGQEFGLVPRYVLRKKKAVNKEGRGPTGDSNHVKNNQNGHHMMK
DCDEEDTPQKTPQEVDKLLHETNSLLARRWRLSSLIDSERDKKVLATEAYLPSKAADRI
EKNCKTKMELFGSELMDKKITLFEFLSSEKSEVGVVEGGYVQLLPTRDLGRAVLFQYDQ
DLYSEQPINFRKILFYMMASALEVDVTARKGISMVVWNGAPTKWFDPFWRVFEEKISAPFK
ISKLHYCQVSQYESSYQVLEKREGETDVR IHKGS LQECMHGLV TYGVPSHF IPI LNPLDG
SINLKEHLKWIELRRRIESFPESQQACIVLVPQGDDVLLGKRKMSMNGNVLYHQMIMKNI
KAYHEATSEDARDDILMAVWDSIQCRGGRFLLQVEDGQLWERLELQSALYKISQAFDFLC
MQLYAPKPTSSKSSKNSKDDDEDIFFGWNDLLDGKKCYECFDLIHCKGDGFGKPAACW

>comp2331_c0_seq1; 214 178 457 LEN=457; translated
MNNSNNKMNNDNETNDNDTVSTSTSNNDNDNEKGHGFARHHQWLPSGPAVLPLAQAAGVFL
AAGPRTGGAAPAGPGGSGVRLSDRGDAALGAPEX

>comp2332_c0_seq1; 315 311 2140 LEN=2322; translated
MVSFLRSTASKFTVLAVVFLGSGAAPIHAMEPELEDETEIGNDAPLDTICKDKPNWRYNDK
ERKTCEWIGKNPDKRARLCEKKRVKTNCPETCGVDCNDLINRNGPTDPMPPLEQTPPRDP
CKNDPSWRWNDERKSKCDWISRKPQNKERLCVKRRVREACPETCGVVEDVSRNVPTDPI
PPPSSPITKCPKFLGAKVDSAVPAFDRIPSAESYFEEPTMDCSEYLDGLTCYTDYRYNGC
SDDTMQCTPSKASVCSNNVWQTSVAVNPALCGSDFGEMPYLSVFGYCDPKECPVSPQKN
GSDCSSYEGEFSCMNYKTFGCDGFDDSHGCFPTTSLKCTDDNKWQMSIFSIACPDGSP
QGQVACDPEECPLKEPMHGTDCSSYEGKDECHYDYKTIGCDADSLTCAPTKEYTCMEEPD
GKSDRWQLQYTMRPACYYEGADKSCDPSGCPLSAPIPGTDCSSYNGGKQDCMYNFKFDGC
SFDDLRCSPTSYFSCNSDFNTWEVAETKPLDCEV I IQDFEGISEDLPVGETCKLCPTVEP
ADLCPAKQPRAGTSTSDKYDYEVGLVCSYDFKYEGCSTNKLKCKPHEFFECTEQDGVV
KMTEPEPCN

>comp2333_c0_seq1; 178 1 732 LEN=1604; translated
RSTNDVHRHLFHFLPEDQIFAYIMFSALARKSTSKSAAALTSTVRRTVGVRTFASEDSH
QPPVSVYGTAAARYANATYVAASKAGALSQVEGELNGLAQAASDSPAFAGFLDNPLISRDE
KSAQIEALLKEKNVSEITTNLCTTMAGNARLNELPKVADTFATLMKAKRGEVEATIISAD
PLTKKETADVAAA KATSQ GASEVVISSKVDPSI IGGIQVQIGDQFLDLSIKSRIE EISR
TSI

>comp2335_c0_seq1; 38 1 809 LEN=932; minus strand; translated
XMANSLGVDLEQKIMEGQMTFDTLGDVVLACTGCVNPETCEKWLQONKTATATPDFCRNT
DVFSLLMAGKHAERARSGPDPKRPCAPSEAGREGRCDAKEKAPAGKGHEEVPDGI GEPQA
LPPVKHHPKRIKQPSRQQQRKAMCRKNRRKRDKQRHADPSQRHIGQPSRWHLPALGPDIG
RGPNDGQHPDQRKHIIAKGSAQKHAERREGARDFHIDRSMIQTAQNGPRGGMGIKVI GRR
GPQHHQKRTGIDDGRGQRHPVHAQRPHGE

>comp2336_c0_seq1; 262 125 776 LEN=1000; translated
MNVEQRTMRWTNEPEKWKRKEDGIKVTCPMETDFWRGTMHGYNKDDGPFYWMIAENNF EA
RLSLKVKLKELYDQAGMMIRIDSENWIKLGCYRDQPHVSCCFTRGVSDWSTHRLSQT
VDHFHVWVKRKEEVIECFYSLDNENWTRIRQGYFSDRPRLKVGMMCAAPESAGFKVTFSD
LLIKNLDDDGSDSDSNKVWTTTRGLEDEGLRGTED

>comp2337_c1_seq1; 752 1 2558 LEN=2870; translated
XATSERERQSTVPGNYRAEAGYGAGRMLPGDPHERTENRKRRAHQRQEARHGRRPKATPAT
TVRNEAEAERVLEEFWSVLGSAASGEDPTEASEGTGKPKRGSSKGTNLEATSKSHKPHPS
AAATKTTPTAN EKTT EMVDTTTITDPKPTTSTEVSSALGGLKTIHRSNDPGETNHSLSL
PSLP IVGN EVSVFAEEMPQICRFQLTMTLRQPSSPPHERSSGGLDADSIVVSTTPLGR
AASRTIVI IRRREANKPGDVRASQPATDHTAALFVGEFFPRKIEASDVTWRVYPSNTPGNE
SSAAVPIFSAVKIVFRLPYPYDPSVAPGSLGSAIGNASSSSTLDEINSVLCGSCHTPLI
LRRRHDCGAHDNDVEASSNNGRSNSHNKTAIHSSSSDTEPSQSDVGTIRRVPPLPVGHWD

EIAEYLICYDGPVVDFVSAGSECAEPSMALQDASLLCFHRRDVEHAVCALAVDGYGEPTE
RRKNDANRGEIDGFGDLGTFGTKEPSSFLVQLQEPQDSGGPNRNDPQGAPGDAKEEHRPN
SEDEVLPSSAVVRGNRSWQDAADGDSVSLCCGRCCAPIGFASLGSPETWRFWKHRLCLPM
PKLPQENEQTRESEYRIGENPVEANHIPFQNASLLQPTKPFASCSSFLARELVRYAESKA
IFTFIVRCEETEDDDDDAEGGESTKSNSEIKCLLLRLLSWETAIATSFEINDSSLSRRR
LRFQRVAKIVFEETIDPTASEAAAGASAGHNGNGSSATTQFWGGVDLCCPPPAAATKT
SAPKASSGERGNEGDDPVSTVRLQLPRLEYDRVLDLVSGRSLFQKEVADATIMLKMGM
SEGLGLTAVALE

>comp2338_c0_seq1; 161 497 1300 LEN=1927; translated
MRHAAKLARRVLDLACSVAKPGVTTDEVDTVVHEALLEAGAYPSPLNYVGFPKSLCSSIN
EVICHGIPDTRPLEFGDIVSFDVSCFINGVHGDNCATIIVGDEQENDEIGTDWRGVPLYG
SEYFENRPEADEQMIRSARRLVHAARESLEYEAINRIGPGSCLTDIGAAVQDVADSYGYST
VAKYRGHGIGTDFHRPPFVKHYRNYDKLELLPGMVFTIEPMIVEGASDCFEWSDHWTVAT
SDGMSAQFEHTVLIKEDGVEILTVP

>comp2339_c0_seq1; 592 1 1401 LEN=1672; translated
TTTTNNNNEKNRPSDMVAREQESLLQEVWESCDSSIAAKLGDGTVFFLAASLLIGAAAFAP
HPQTTIPSRPLFAPAIASVSTNSLLLPLHATTTDASDNGRDDDEEEFFDASFSFSTERL
VSKSGLPVCRYALGGAARSTQPKSIVNEYRERLENAIVGANATPAAPFLFYNNPHRYPDF
MRGIRELANKDSGNPIRREDLFLASGGTDRSQKGMQRLRDALAYSGGDYLDLFLVLEYV
CPEEAGDDSGDLVKALELARSWVRDGSVRYVGAsthshsvGAWLGSldRGEERDNDNDND
GASSPLPLLDAMMLRYNMGHKAAAEALSLPVCAERGIPVLAFTTTRWNRLQDGHDPDWQR
APTTPPECLSFALSASSDERGASAGPDAPTTTEDGAGRPIEIVLHSARDAEELGEGMSCLD
SSFPPTIDAGNRAAVAIWRDYGDLEWNDMDGFDEYPEEQGTSIL

>comp2340_c0_seq1; 412 1 1437 LEN=1461; translated
SVSFLRTGHAENAIDFPIRRHLTIMSSSESILKLDGRNDASKSDCGDSSVLNyletPLNA
CSLESFCNTIHSELCEGQQFIPLCLGQYQNEITGNREGLLELYASTTESFGTGMHPPLT
ILGDGDGAPGVLDGKWSRLPSSSTSIDFHNYYATAHANGEIWHNITNKAVEIANDGVE
KNTNPFRAFATLAGKSRSPSENEGLCLALAWEDPLYRNGDSNCSTAVDTRIISSYSdGRTAI
HRVREHPPTSAEDATQTVELSLHHWDSHTIFKCPAEVWCANFIDSNTVVTGGDEGSWKV
WDLRQPLIKPVYHGKNDFEAGVTVLSPHPRHKNLLAIGSYDETIALFDLRRMTTDTSTAN
KCPEELYHSEPLGGIWRCKWHPRDSDRILVAAMHGGCVSGKFGGLDSANFEGQEAIVPT
SISFSIQKQFNLHQSMAYGIDWLVPYEGTTEDTSTEEAAASCSFYDKAMYLWKTGPENI

>comp2341_c0_seq2; 132 1 294 LEN=779; translated
PVATRTHQSNFTSFVTMNRQSTSNDYAHDTTCRLSAEDKGMMAQVSMTSCNRIAGHSEET
AMKTNSNSPKLSTTPQDTSFMTEEKMKSIYMPKRIDF

>comp2343_c0_seq1; 251 90 734 LEN=1316; translated
MTFLDTPVCKCCGGNKTITGDVFKLIIPVAWSTVAFMACLAYLISPLSRGDTPRWGSAA
LVALSGAAGTGLSIAIYSFHRTTSSFAIDENYVSSNDGDGEREQDEDQGGTTKLEPPMK
KIQRQKMLQIHAVLALGLSILSIIILAIFFGVFASNLNKAHETCGADVSWSCITLVVSVL
WMGITYLGFKHLRQQLLPEKDATNNENDQGLEIP

>comp2343_c0_seq2; 251 90 734 LEN=1437; translated
MTFLDTPVCKCCGGNKTITGDVFKLIIPVAWSTVAFMACLAYLISPLSRGDTPRWGSAA
LVALSGAAGTGLSIAIYSFHRTTSSFAIDENYVSSNDGDGEREQDEDQGGTTKLEPPMK
KIQRQKMLQIHAVLALGLSILSIIILAIFFGVFASNLNKAHETCGADVSWSCITLVVSVL
WMGITYLGFKHLRQQLLPEKDATNNENDQGLEIP

>comp2344_c0_seq1; 228 117 758 LEN=1785; translated
MNRLRPLVARGLPAAATATATTTTRMAAWRRQRLARSHRSFQLRLGSSSHKHKDKHKPSS
SSAPRPGGTWIYLGWTVLGLVGVQALQHKQASADAKARKALSVLQKDAEASAKADWERS
VDQRANTAPVGSARIARVDPCLDGTKMLTRHRGVQRGDAVDVLETGVGPAGRYHLCRWTK
GGANENAGDGSVVVVGWYPIDYLEPLERKHA

>comp2345_c0_seq1; 592 42 1277 LEN=1489; translated
MSFVSRWMQRISQSRDGLALSAMYLAVPRAAPANTTIPERIKAVLLEESRQPSNNSVA
ISLLKIDKEMGLVKYWGGLAEYMRQKQDSFVLPSSILSSNSNSLPPENPDSKVSVTDSPTGTG
AAISTHSASSGAKVAFMITSMPKHDLINNLGYETNIKGMTPQQASLVLHHRVLPESYDD
CISKLEEQFQEEQKLQEQKTCLEKEQFEMEKEQPREVDVEDNLTAEIAAIPSDNASNS
LYVASHDRDEGYDRDNRVNIQKQLILSSQNEELSSLSDSRLPNDLATESPTLPSTED
RFIPESSVPKENSTDTIVRKEEEDMNLWYEVVEIKGEKASSAASDAGVYSNEVRHGLYRN
RDEAMLSLETRQMIKNRRELDTNDNGAKNSTETSSSFVLRPISDEDLRVQS

>comp2347_c0_seq1; 366 31 684 LEN=818; translated
MGRRPARCYRYQKNKPYIKSRYCRGVPEKIKIFDVGAKKAPVDLFPFVAHLVCDEKQQI

SSEALEACRVAINKHLVKTIGKEGYHIRMRAHPFHVLRANKMLSCAGADRLSSGMRHSYG
KPIGVAARVDIGQILLSVRSKDASEAHVIEAIRRGKFKFAGRQKILKSAKWGFTKYPREE
YVEKRRSGELSCDGNIVKVHNRGLLVNSALYQAGQE

>comp2348_c0_seq1; 556 247 1881 LEN=2075; translated
MFSLIIWLSFAGATRCTAFVPSSTLSSLHGAHDLNLLNVATDDSDADTITGENVIREVFP
VHLPKDNVPLALNNDGVEAKTKKFVFKAAPLLFALNGKPKADGLLPLQAYLEETLDDYT
IPDDPNYDFFPNNCNAKTLRYLLKVDPPFFASALTKTRWGFELRSFDRRDPDCKNPKSLYR
EMTRTLTGVRNVNFFFDKRMKLTGYKVYDSDSKGSKIFEFKSQQDEDEDYWASAAIYNLFFY
ASSIHATIHVLHYLITSAFQYVSKDFEPMHQWAKFYANNIQQKYSQVGTLLILPAPEILD
TDQSKITALITGKLGFGSTAAITPILSRLNLTWQNPSSASSWIDSMVGISSKDMDRAGIL
TEFRKHVNLI SPFAKEASDAFRNINPEKAAAVEERLKQYLKECGSFTSEINSLEDWIELM
SITADVHGSTLGYTRLATSSDVMRWRDIRDPNWDLSGLNMITVLLGTVCGMEEGRHTMTS
TVDAPYDPALQAVLDKYDEKATRLKEEYQENIQKDPDFSDYGWILSGFCTDGFDDGKQLTS
ATYI

>comp2349_c0_seq1; 255 1 474 LEN=787; translated
KVSVARIPRITDTTLIHSTFKHPKMKFTILASLGFLATASAFQAQQSCNRPSFTALNMASP
AEFVDSEIESNDVVVFSKSYCPFCTKTKELFDSL NVEYAVHELDQMGDEGPELQMALFKK
TEQKSVPNVFKQQHIGGNDTQAAAAAGKLQELGL

>comp2350_c0_seq1; 1320 117 5179 LEN=5357; translated
MSPRRSLSKKSTVTVHPKSGRSMDSLGEELDEFRCRGLCRRCARVITHKRVFKLFGTN
HPKWEPLTVLKPPTAADEWNNNGDNKGGNQGNGHNGVEQYKKNDEIDNDEDDSYLVYKGY
CLGEGCYTMKEARRLLGETGDKNSRYNKENSGWRSRMTKSTRFKKKNPKRPGKRRTRTNP
ETGSSVVTNAASLSSLRSSSSSSIVTTSASTRHSIIISGMSGLSGFSGMSGSVKSTRRSGR
SRRSTQRSSSRSSSDDDDEHNRKEFSSEKNAVSHIVVERLEKLVSYDYFTVLDLSNIDM
SNSSKSTKNESNANLDALVKAIGIAKTLKAVVLEKCGLGDEGLEKLAGGLEQQIVTTSLH
KSKSADAGDVLLPSILRLRGNRIGNRGVQALEFLFRSSSTLKEVDLSDNHIGSKGACSLF
ESLAQNPNGIPLSVLNLSONEIWELSSPMENNNASTFLYTNSTLKELNLDGNLLHDGGAE
FIAQSIRSNRRCALKRLHLGWNAIGDDGVRALGKALESNTSLEVLGLAENDITNTGARAL
LAALAVNTSVKEISGLYHNP IERKFIIVAIAIKRLLHRKSSVRGDKNNTD PARSLANSEHSA
AAAASTRTGATTAADNEDYEDSEEMIVPLKPAASNKAVVVVDDGFSRLQRSYEETARSSQ
GGDHHTHASTASHSGGSLALEAIENWDWGTFGIEEIERKISGDLDDNIEVQVDGYTDPSS
AKDSALSNSNTKRGLSADTKKLVD RMFVFQSAPLAYFDRKKMQHVGVPLLDLDFLEARSLR
DVLPEKNDIVVFNATQNNFKLYFSKSLSPVMHFSCHGNDSDCLILENGFGYMQALPLD
SLKKMVAASKIKLVVSSCNSRHLGEVFLNAGVPHVVALQRETTYSDGPIDFARAFYGA
LGQRKTLREAFDIGINECKKFSKPPRLDAYKLLPEHCSNHDEIFFQQSPPPI TESVLA
KDLSEDT SILPEVPKQFVGREVDLYEILESLRVDDVVRVGGAPGSGKKSILAVLSRYILE
RSRSL EIDSVYWFPTPPGVTPDPDSLYGDL CNVMKWI VEAEDDVWDEEDYAESRERIVIE
MEGKNSILVIDGRIFANEIAGEMLERFLTHILNEVNVKILLITATDES RVKSKRSKSEEA
TIHLGPLDYTSTVRVFGSACPLLSLNEKDCSCTVDTVEEFESCLLPNSKAAGPTVFVDPK
QDVVRSPHQSELYNLMSGNPRDIARKAASCQOEDLYRLLRLAQRPVVSVASSTELERQV
AKWMARKEQAVQNHYYLRASDIDKTLQELEDLRKTYP SLTDMKTKERDLKEKFRALLKAK
RYDEANSVQRQLLTLKRSMVKEQSSSSSISSQSTAAQESILEIQERMKTMIALAETLGQS
MSSVGSPTSHLVQESPPAEAEFC LSDTCTLKI SPGCLWTFPCSKTGGTSGKDNSTVSAM
IVFTNEACDLT SNSKAI SE SGTDRK LK LSEK IHDL ETLTETQWGT VKCATGESVALDDI
GAGGNRNL CIVLAVPPLVTNVNEDAKDFDSDQH YVATQLRS AIRSSFRTRVRRTNKVTAI
GISTSPSLNKGKGNRYRTNDELSDENTSSFVTLKAI VDEICRGGGGKNNELRTVHLF
PSTGIVESKMLIRTA FEMGLKADSKAIRVVTAREFEFLFLSCGMNNENDSNKSLKIITAT
IIFLPE

>comp2351_c0_seq1; 363 454 1296 LEN=1407; translated
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KVTKRKPLDVLQTI LSSADAVNGSSSENSA AVQQQMTTPKSTSLTTPKALTFQKPSEVD
IAAYDLETVKAIRSNNDLLRQLWQSGKSMDACNQFGESVLHMACRRGYRKYVVEFLIVEV
KVRTDRCCDFGRNPFHDALWTSTPNFVDVLLIDHADPALLLTEDVRGNTPFAYARNDHR
DQWNEFLEKRKGLINRMGVSVDNSDGGVDAAKKVEVVG

>comp2352_c0_seq1; 356 20 808 LEN=1486; translated
MSLSNLKCI VTGASSGIGKATSISLSAAGAKVVGVRNEESLKEKLNNGQIHDYVVADLV
EPGACERIVQEAVSMLDGELTTLINNAGVLKGGAGAPGTDLSNYKYNM TLNTQIPFELM
HYSVPYLEKHPNVSSIINVSSVNGKQAFAGCLSYCMSKAALDMMARCASVDLAPK GIRVN
NVNPGVVTTNIHTAGGRMDETQYAAF IKR SVETTHPFAQSLGRIG EATEVAELIVFLAGE
KAKFLTGE CIAIDGARQNLGSR

>comp2353_c0_seq1; 410 47 1216 LEN=1373; translated
MKDKILAAVYILGWALATGDCFSNPATPISARRRQAEASVVVRSSNEDGDSDEPLVIPT
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SDPSSIEEAELEGCDATIWCATGFSAPGGPPTTTVMSSSEQSIDVVGVPVVAKTMLRNSGS
EEREQAFPNVVMLSSAGTTRPGWDEEKKDRLRGCADIPIVRLNPFGLGLKAESEAKLRD
TGADYCIVRPCGLNDNWPPEGARPVVSQGDVAVGRINRRDVSRIICDVLSLPEALHKTFEV
LGLGGYPPSSIGPALERLRTDSEPPSEAEVEATYLALQQLLPGERQDAAALAMGQTYEQ
LDRGETGRLGERGTENVDAAGIKPTTAAA

>comp2354_c0_seq1; 318 64 882 LEN=961; translated
MPIRNTSTGSSSSGKKRPPVFPKRLYDMLQSAERDGYAHLISWMPDGNSFKIHVDGSPDP
EDEKAIVRLLKQVFNQTRFKSFVRQLQLYGFERTYKGPRRGECRHPLFIRGRRDLLDKKS
IDNFQQKSNDKTSRRSKHVRQLLQKSPSRAEVISFMRKNDSRIETYSMQSLENTASSPCQ
YLNTSVIPTKLHNLVLSDDCSTKGSDESCNENYDDEDLSVIVSNPLLDPPPLNNYQQTV
NLYGGDLISIHDSSESVFPDWTGIELEILRSAL

>comp2355_c0_seq1; 579 1 3006 LEN=3407; translated
XATGNNEVLQNPLLLPLTPDSVYEFYVHELFPAAVSSLPILFYRIWINDALSWAWLAGHKL
YVFVQPTWMTNGGTIEANNETTANILMHLHLAEKDLGGMIONIWEQAVQSSKQHVNFATFF
FELLREHSLHSNSTTGPLELLARLPATANIIIQEAAAVEKSFWTWFSREWPLMDWKIGV
FLWQTFGGVLLVVALLSIMPGRLLHTWSGKLLRWPILGLTYLLINVELVVYVCIRLGIRLI
EAIVATPKHRALRAKMANESSTYEEWYGYASELDASQKRTLWQSTTTDETSYQYNWPLIQ
QLIADMRVARCDKKDPIALAVLQQCTRKNVGGIMNEDLFTKTYTGEPKFIVMEFIGEVT
KTLYWVTEQTLTLEEREELRNKTAGRSSTRGGPKTYEQNLQQKSKAEHHLWRNLVAF
TLDFSTRTMSQNEQEKEPLPSESEANDPGSPKSTGSGPQQPPVNRAQLLKFLKRAKHAY
GKTALCLSGGSMGLYHLGHLKGLMETDCLPEIVSGCSAGSAIGAVLCTRTRNDELHRDL
PTIIGPRLKCFDRTWSECLRSVWKTGNLFDGDDXARDDQVGRYMRWLCXHPFACKQICF
LDAVHGILTLWVLYTFLYSSMIARFGSCFCFCFFLGLARFQTLSMAPSPSTQPKQQVTL
GDTTFEEAYQKTGRVLCIALAATAKKTPIILLTYISSPNVTIASAVVASAAVPGFVSPRR
LQIKDPVDGTERSAGPETYFDGSIKHDIPTAGLSEMLNCHFVACQCNPHIVPFFFNAKG
GVGRPTRWSGGEKETSRRGGFLLAALEMYIKNDMRAKFVFLRDLDAAVSFTGTMMTQSF
GTTTIVPQVELRDFFTLFRDPSVHRLYHYLKVGSVAAAYQHAAMIRCHYRIADALEECIER
LEAGGEKGGQQHHDHAARREAFGQYESPLKRRASRRACFETGSMRFEPGRCDLHTESQSH
SHRSQRSVPEIVSQRTDSDSVSTASETGTLPGGGMVHLAR

>comp2355_c0_seq2; 656 1 2776 LEN=3177; translated
XATGNNEVLQNPLLLPLTPDSVYEFYVHELFPAAVSSLPILFYRIWINDALSWAWLAGHKL
YVFVQPTWMTNGGTIEANNETTANILMHLHLAEKDLGGMIONIWEQAVQSSKQHVNFATFF
FELLREHSLHSNSTTGPLELLARLPATANIIIQEAAAVEKSFWTWFSREWPLMDWKIGV
FLWQTFGGVLLVVALLSIMPGRLLHTWSGKLLRWPILGLTYLLINVELVVYVCIRLGIRLI
EAIVATPKHRALRAKMANESSTYEEWYGYASELDASQKRTLWQSTTTDETSYQYNWPLIQ
QLIADMRVARCDKKDPIALAVLQQCTRKNVGGIMNEDLFTKTYTGEPKFIVMEFIGEVT
KTLYWVTEQTLTLEEREELRNKTAGRSSTRGGPKTYEQNLQQKSKAEHHLWRNLVAF
TLDFSTRTMSQNEQEKEPLPSESEANDPGSPKSTGSGPQQPPVNRAQLLKFLKRAKHAY
GKTALCLSGGSMGLYHLGHLKGLMETDCLPEIVSGCSAGSAIGAVLCTRTRNDELHRDL
PTIIGPRLKCFDRTWSECLRSVWKTGNLFDGDDWLEMIKWFTLGDTTFEEAYQKTGRVLC
IALAATAKKTPIILLTYISSPNVTIASAVVASAAVPGFVSPRRLQIKDPVDGTERSAGPE
TYFDGSIKHDIPTAGLSEMLNCHFVACQCNPHIVPFFFNAKGGVGRPTRWSGGEKETS
RGGFLLAALEMYIKNDMRAKFVFLRDLDAAVSFTGTMMTQSFEGTTTIVPQVELRDFFTL
FRDPSVHRLYHYLKVGSVAAAYQHAAMIRCHYRIADALEECIERLEAGGEKGGQQHHDHA
ARREAFGQYESPLKRRASRRACFETGSMRFEPGRCDLHTESQSHSHRSQRSVPEIVSQRT
DSDSVSTASETGTLPGGGMVHLAR

>comp2356_c0_seq1; 925 173 1484 LEN=1484; translated
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NKNHQYPPNSKYAPSSSGSGPPPPPHNGMGLMGNNGNLPPPPPPPPRQAAHGGGPPP
PSQYGAPPQQQQQQQQQLPPPHHTQHYGSQQPQQQQQPANNMYGGQQQPSYAAQSQQQP
HHQMMTPGSASVGVPPATGVPNSNSYGAQNPQQQQQYGNVAASYSNPPATNAMAQK
QPYMQHQQAARVPPATNGYAPQHQQSQQQQQQTGWQQQTQNSVAGAAGLVDILGIADKA
ASAVQALQNQNRLKQPQQQQPYQQQQQQHQQPQQGTQQQPAQQHAPPVQHHQQQSYQAQ
QHQQYQQQPQIQQPQQYQQAQVQQPAANNQYGAYGPPAQTSTPYSTGAPPYQQQAQQQQQ
QYPPQQGHYGNHMQQQQX

>comp2357_c0_seq1; 296 500 1873 LEN=2013; translated
MVEQLQLLPPDSVLSPTPEPQVRVSPRSPKNGVEGTRWADHRFRPVHLNPEDWIALGST

LSMAELVDPNMSYDFSGNIGAKFSGRWHLEEDDEDGRVVKLFINPFGWGGIYNDVFASIDD
VVGHIHRNDPFFHLSEDI SRLTKLTFGLWNCRSLPSRGLSSLPCLQKLHLDNYMCPPELLS
NFPSSMKLKHLELTVDFNLTEPPAQFLEWITNKDMVPMLEIEFVQTKEEHLPLLLDAL
LGAEIAFRGQLTSSIFLESQFNGDKLETLLDFDLPRFPNVATLNVEHLKIESFRPILERI
EQGEAKSPVSGSLRDLSDIVSHILERIKTVAEEKEAVLRFLKLFGRLSRLGNHPRWSD
IRYALMKNAAGRRLLEYGTIGAPAGLPLALWANAIERASREWEERNAPATKVFYLVQN
AREIAMEASERYTKEGKAREREQAEGEAHAKRSRLFY
>comp2358_c0_seq1; 493 89 1333 LEN=1438; translated
MKFSLVALLAAAPRASAFAPQGAPSHLLSPSLASASAAPVEDYVDAKLTEHSHCTEPGDRD
ILVRAARGEVTERTPVWLCRQAGRYMEAFRAYSTRYPFRERSETPEMAVELSLQCHRYG
MDGIIMFSDILTPLPTLGIDFVVPGIGPVI STEVASESDVEALGSVEGVEAFDEKLPFI
REILGDL SREAEEKNTALIGFVGSPTFLAAYTIEGKSSKHCLATKKLMMEAAARGETATMD
LFLDKIATMIGHYACHQIECGAQVIQFFESWAHQLSPKHFNDFAKPAQAIAIVKEKHP
DVPVIYFANGGSSYLELQRDMGADMIAVDWSVDMAEARRILGPDVAVSGNIDPTVLFSGK
EQIEQAVRDCIDKAGGPGNRHLLNLGHGVMQGTPEEAVGWLVDKRYTGKQAE
>comp2359_c0_seq1; 464 318 1433 LEN=1548; translated
MPLRASVGSVIERDRRHGMREHFLALSAHDEAFQDWSSDSRIDVRNLLTQRAIQSFMFL
CEECDRPHSGKWIEDFLKTQNLNLYHGTGASFMADVPWDGPLELMDQPEDVMIVSAKRR
GRGHGGWSKNNPYLQDRYVEFKITIDPASLTDRILAVREQLAAEWVNDLEILGRANQQIL
DSYFQLAKDERNQDPAMSPAVAFERTAVDALNSHTSFGASGSPFRMGSDLLYNLCTQAS
IHRLLRSLGDKGDDANLELLRDFYVDRLEDFDGDLPFGKADDFIEELLLSPSIIHRDN
GNVALTDPFGISEQIIEFRNDIFSEWIEAMKLVPTAHQDGVKRLNKRMEAWNEYTRKS
KSGSNTGAGFQ
>comp2360_c0_seq1; 179 187 630 LEN=718; translated
MFRNPNPETIRRVLLNAKTIAVVGASPKPERPSNFVMKFLLDHGYEVVVPVNPGLAGKQIHG
QTVYASLSEIPVSGNKGIDIVDFRNSAAVPPIVDEAISVGAGCVWMQSGIVNEEAAATA
TEAGLDVMDACPKIELPRLPTGSEL
>comp2361_c0_seq1; 401 156 1121 LEN=1121; translated
MSNGSGGVQCHYDVLGCSQDADTSAIKKCHRKLVLKYHPDKNAGDEDAAEKFI L VQRAYE
VLTDQPQERKWDHRDAI LAGWSASEAANSNTADIMLFNVAPYMHPCYSSYTDSTGGFY
QVYRGVFEHIVACERKQSETIVELPTTFGNSETSWSELSFFYKSWECFSSALNFAWEDTY
NAREDAPSRVRRLMEEENKARRTAKKAYKNDILQLVAFVKKRDPYKAHTEEQERLKK
EREERQKQEKIDRKKEQKAKEEWREASLREMEKAEEDRLRGRIRLADLEDDYDYGGGK
KKKRGKKNRKSMIKEEEEEEE
>comp2362_c0_seq1; 478 1 1769 LEN=1848; translated
XKKSEASRTYETSITQOMTMLPTTFFSIDNKYKSTKNTKNKNTRRPHDGPSTSGSV
GRPPMRAAKTGRWQHQRHYTQVQAFRQKVVSANQNSICNTTNRVGRRTLRLQLLPV
DASRTHGSANEDDSEAYIVP IFQRRYCWTTTQWETLWMDVWKRKSVKHS LGRLTCTTVE
VEPMTTGTQIRYAHQQTNSNGSNVGFNDNIGASPHDDDVPVPRSVIIDGQQRFTTVTL
LLAAIRDELLSTGAITEDCGCNDSPGPSTFELKPEEAALVQSIHQMLFLDVPAMREWET
ESTNHRALEDGTVLDFCRLVPTFCDRSAYLAAI LPPSAPQVQRF LAKSYNPTWHRPLLAK
KYFETKIRDQLLENVSNQQNETTKAAFLGQLTRSLLDGIDMLYFPVDVSGGYKDGTEDTQ
VIYERLAIRDATWCKPKRHSEYHSMGDTMIRNLF LGSMDTSQSKVDFYQNYWLP LERKC
YPNLGEDEDGDESKSI STFFRAFLDHQASILDGVHQKRLTEAVASPNPGLIGRIYRDFE
LWMGLDLELWQQKQGATKPEPATTEHDTRDVGRRLLEFARDSITEDSLG
>comp2363_c0_seq1; 477 171 1548 LEN=1629; translated
MIYQNVFLATLALASTASNFGLVSAVRGERKYLRSDNQPLEQE QDERSLLFKRGRMGKNK
KDKDKNNKPGSSVNLNPQFQIIANPPTAAPAKTTTDL EDWKKACQGTPINNIDLCTLP
MITADATPENCMKCLFAFGSLSTSTAQGSASSCRNNEACGTRCSTDLLKPFECGKRVDK
AYVDAGRPAVWDASTLNTSQAEDAPGAQEPQEPQGGPASEVVIDTVNCPATLPES
GTNCTFVGDANIKSCPYYEYNPVP ICTCVRGEDTWVCTNQSGTLDVEKEDLTTIVVTN
PLAPPLAPVADVIGVLDL SVNNLAINPNFCGAEAPMSGDACNPSGFEEFTAATTTTPSGP
SSARARVPPTPSRAPGGPSPAPRCVPPQGLRMRMRIP IPWRATT PAANNREALRSAS
SRSFLVLGTEPMTTHDHGAGVLLDIEPNRIDPSTEEMI
>comp2364_c0_seq1; 458 1 1924 LEN=2866; translated
XDNSHPSQHNQVXSNSFDRTEINLKIHQNTSAMEGANRDGSFFEDVISSDLALRIQWL
NVADSGRLACTSQRYYYLVHQYRRWRGPEIAITD LLLTAGIEQPTKTERVLSYSSDEIS
SAMAKDWKKKLQSKPNLILGFSTPSNLVDAIKKDTCFVSPRTCEAISLNVVAHQRIQVY
QPELGQSGVQSRQPKLDYKSRA SLMAMSPGATIMPYLRGQPQVEDLEFMEHRLRFH NK
SNDENFWKAMILYAVGSGVQASDQITTRI QALMPSAVIVGGACREGFVSMPTYTKEELSS

MSIKNIKYVLSHCCSNAIHEGVVDRDAAKNFLEKSELVDCIYAALEKERAVTSDRYSSVY
TISGAGILGVFLGGNVPKSVVSRGVHVSVLNNNGPPQPFSDLVVHETALSRPGDDDYLF
GHDQPPHILIRKIRDKATGVLYSPIELMVKYFPAAESQIDFLGLKRKGWDGFLSSLNEM
TQALNAFALITDGEPELETLEEAEMDFCLNGEACMEDMDRMLKLKEQTKGEEILGAL
MYTCNGRGPEIGYLIPEEMSDAKRFARSFPAVPCLGFYAAGEYGPIALAGNENVFQKGRA
SLQGFTAVFALFIVPVRDLPSTYDWDSDIQNVEQFVVRHRLH
>comp2366_c0_seq1; 149 1 495 LEN=700; translated
DILKAKPNRFQSPTKYFAMTSFKILFSFLLLAASARAAAADTIIRDQLKELKPQKFI
RRCMKTGVSEDECEELVEECIKDTETFRMCKAKFKECKTSTDKKGCRKSLVEEFPECEREK
KDKCKQKIKQCKEQGIPKKDCLANLPDCKPSTVKNACKALFPKVK
>comp2367_c0_seq1; 161 1 387 LEN=387; translated
XKAEKSDKASKAEKKEGKSDKKEKGGDESAAPTSSASPTSSASPTSPTVQPSGISPT
KAPVVTTKPPPTSPTTSPTRPTTSPVTSSSGGTSSTSDGSGGGTAGNSDENTSETSD
SGNAAIAEMP
>comp2368_c0_seq1; 447 475 1695 LEN=2217; translated
MYQVLDVLPGMATYRHCTEPLGVGCVGAFAYNVEQDGNNEGTSSDNTIVENRCPVEA
RQDGGSSCDERLLETTLLEESGIRDGNARWDLCTFACTRVGEVAGIHDENGASNGPSNSNDE
HSLLVQTIKVRENDISAGSTPSQNSANRSGDNPRSDAIGDNSSDSSSTTKNKKEKIKREID
SNDKEQTIVVETIKIRTADFLDREPFSTTPDHGDAKNTTIHGKTGTKQNLWPIDPPGHV
GDKKEKQNGFHKLFLFHHKLNINLQNHMRQHKERQIRTRGRIRKDKESWTRNERDQAE
EQLMLLTPRARTEPSCRLSSNQTHPCRLESTAADVDLHMATEPPLKRSHSSPQPTLQSF
RGSKSHKLSPPFRVARSLFSVMTSPFGKSKSHKTGKTPRFEYLKDE
>comp2369_c0_seq1; 408 432 1249 LEN=1249; minus strand; translated
MEEGTVVAALSIAPSSMSPDSSPVGAFVFFELSDFDAFVSVGALDFFTPDFDALEETA
SVGTAVGDWVTVPPRAPSSTAPSSSTAPSGTWSVDESAVLDDLDFDNFSTAGTFDFLSGR
DFSALDLLNFSPPFDLSDLGTFDLSDLSLDLDAYDLPALESVFSIDLLDLPSLDLSDLP
ALLSRDPITPNVFSGLLPPRNPRLRSCHSLSAFTHEARTTRIKMDNDVRRQLRQMLL
GVEVFI FVLIVSDNVQMEFMKSVLELFDVCFVLDG
>comp2370_c0_seq1; 330 191 1033 LEN=1216; translated
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LVDEDEKGGSGYEGGTFFESGIPVPPDMTYVERNVRCHENFLNLRKVGKDLCHDVYAKS
PLKKEEVWYVGKVKAITDVSLEDCIARQWNI IETHAANLRPIELYPQRGNLEIWTAPGDT
ELDVAYNRPELVMARMEKYEVLAKDLRNNLIGFQGEVYQEGEEGFRTRWKEDGSPARPEI
NPGGETRPTEEMEQLKAEARQNI SFQDVYKESQKRM
>comp2371_c0_seq1; 284 258 1079 LEN=1381; translated
MTLAIQVSTKTETPGDSYDESKLFNSSCPSKSGQEENNEVCKYTKAESSISRLRNTTAS
VADALLKLGGSQDDVEPTLSNPLKRRKSLFVLGERKFTTYVKDAASTVSETDTESTDHFS
KRFRNDGCEQRRAPSDFKLNLPLSLSIPRTNGTGNEVDDALTFSTSEFQLPLQDFNERKC
PGELGPISSTLQDFRPLRAPHMPTFIVPEHPPPPQNYYSPLLSDSPMMTSVVAADE
GCFVLHSYTI VPRQNLHPTPLPLMTNAPYPCYR
>comp2372_c0_seq1; 433 74 1123 LEN=1348; translated
MTKILFPLALIGSLVASLPQLAMAQSDLPEESTGSFSDIDQFHESYDQELQSIQKFLSEY
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APSKAGFVNYYTELARTQNVPHETLMPILEYMELEGN IYGNQLWCKKKYITTTDR IAGH
VKPPKIICLNDINGDPVTFRLRGS DKESQKVFTFPQFENPGDP IKVCNANIYPMNMMVLYKI
KGSNEGKGRKRRNRNKNNGVTTAPVSTPIVGVAEVAAPAPLAPAAPVPAPVAVVAPI
PSPIAIVAPVPAPVAVEAPVPAPVAVVAPVPSPIAVEEAPVAATDPIQV
>comp2373_c0_seq1; 407 1 1423 LEN=1557; translated
XRSSKVYINVQQTQKETILLTTSEGIFSIPIVSHHYRKKLSQPTGINDMKGLYHPITAI
GVCIAAYCCVAKVHEILTFLDFFEKPSVHDEACVKVMSIGASEDQTQFNNSIVMTEWR
ATGYHPGEEKPPGALYVSSGFKQGTAKSAQEFVENNLKIQELPIFNYPENIDFHPHGM
YIRKEDSTLYVINHAYENGERIDVFGVGTADDGDDDTENDIPNRLDYQYSITSDWMNNDM
HGILNSLIVVEKNKFYVTQYLP IPERHDGWL SFERNIDIERFKTLVFGKRGTYVWYCEYD
DESGSLDCRKVADQFIGANGITHNEDYSKIFVGDYFTINVFDRDASSNELQNRTTIDV
PNFVDNLKFDKVSNGVYGGTINNLWYTVFVHPFPAESEQSTSGIMELAFDPQTSSWQAREII
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>comp2374_c0_seq1; 225 262 704 LEN=798; minus strand; translated
MAMGANSFRILSKAGQEGGAAATTTLWALDEQVGADAF LHVFAAGETLHRVTAQALG
STGAKSFGFDDSAVAAKAGNLAALSFLLVGCHAAAPRLGVHRKAACMADTKAIARFFVAK
LHVLAITGRVGTTKATI HASSTVSHDD

>comp2375_c0_seq1; 333 361 1277 LEN=1828; translated
MSXAETAAKHGGEVLLLNRPSESVSSLEKLRAAVPDGKFVPI DCDLQDFSSVRAAAQTI
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DARIVQHSSGARHMT PNNGLEEKYFLKQEKDGM LGGDTENGFMKGGKWRYHQTKLANSV
FTQCLHDKIQASENADCKNILSLCAHPGGSRTNLADHLPIDGIFMKALLNVVAYTFMQSA
EDGSMGLLKGMMSRESVVRGGTLYGPERFAGWAEPNPPKPYEVDPKAKEMLWSTSEKATG
VTFEI

>comp2375_c0_seq2; 328 1 1064 LEN=1615; translated
XNDNATTSIPNKTSNQNRIMGSKFTKFDAAALPSVDGKVFVFAITGTTSGTGYVAAETAAKHG
GEVLLLNRPSESVSSLEKLRAAVPDGKFVPI DCDLQDFSSVRAAAQTIKDKGYKSIYCL
SNAGIMAVPDEITKADGFDKQMOTNHLSHFLLTKELFPLIVAASKEHGDARIVQHSSGA
RHMT PNNGLEEKYFLKQEKDGM LGGDTENGFMKGGKWRYHQTKLANSVFTQCLHDKIQ
ASENADCKNILSLCAHPGGSRTNLADHLPIDGIFMKALLNVVAYTFMQSAEDGSMGLLKGM
MDSRESVVRGGTLYGPERFAGWAEPNPPKPYEVDPKAKEMLWSTSEKATGVTFEI

>comp2376_c0_seq1; 320 142 1247 LEN=1282; translated
MDESEPPTPKKTRVFLVLLGQSNMVMGVTQVQADTEGTLQHAVQQKKLYRYLVDAATGEW
KEVVDPSVRNIFTMGSNDPRDGVQRNELLTVKHSRMIGPEIGIGCVLGRWRSEAAAART
PTPNGSSSSSNRSSHNDIEITVLLKSCIGNRSLGWDLLPPGSPSFEHTEPSSGKKWTYA
GYGQSPSRWEAGTDPVPDP SWHAGEQYDGDVRRARRVLEGLSGDGENDGAVSVAGFFFWQ
GDKDRYDLAYAGRYKENLARLVRALRKDFGAPGAPFVLATLGQTARDQAGTGADGLIFE
QTGLQELPEFSGNAFCVYSKPFCHGGASNGHYNHNAETYMDVGLAMGRAMVXPPADDATQ
SPGPTGIL

>comp2378_c0_seq2; 351 1 552 LEN=1267; translated
NNDDGNNAYGGDYGYAENQENSYEGSYGNNDDGNYQDDGGYNNGDDAATYDGDYGNSSNS
AYSNDNTYNSNSAYQANVYNGRDQYWDGQSVQMYTDDDEEPIEEEEGGGIKIFGKYAG
LSIASTFSLVFLLLMAAISTYVFLLLARGFNLDIFYHKYLCKRRPANEPKDDSFVKLEDP
VLS

>comp2380_c0_seq1; 209 114 746 LEN=746; translated
MNNFNRLWTLWLLGAASIP TCTARISHEKQAERAD FVRAMDRALGQKKDDLFRSRLA
QLAVPASSNPRYVRSQDFNAEPRRLEEYQDYAIDLSEYALKYIGCSNIRTWSDDLAAEN
DGGSDSVLKMNFVVLRLCPRDSCSNYNQYGCLEQFGDYLI PMETYMQTMAETFFSQQYE
YCQTCYECMNTNYNNDDGGNYNNDDGNNYNN

>comp2381_c0_seq1; 191 452 1286 LEN=1286; translated
MTTRIFL FALAAVATTL PSSVATPIVDFDSSRIVNGVDAEPCQFPYFAQFESGCGSLIA
PDIVLTSATCKPVNDEGVVVGAYRRGRDNEFGAKKRFCKEFV VHPNSMQRLKYDFALCKL
NKPVFIDESFVRLELSKNVSAPVGGTRTISIGMGWTNNKVDVLRNVTI PTRSNGDCKRDY
SWFDRRTQLCMEYYPTITLPPCNGVSGAPVVERVYQDGFVVDVQHGLTSDGTYCTHGFN
ARISGEIEWIRSTSCLTLHSIGSMCDTITSPSTSPSISX

>comp2382_c0_seq1; 438 1 2455 LEN=2637; translated
XREECSSRLNSEYTRTQYTRSSTSDDSKSMKAWRASPN SNR LPMKSSCHSSRDSL VFEFL
PEATREL FHRNSIDAMDEDIMSSDGVHLAHVYLSQATSETEDAKNKSEPDQCSEGESKQR
QTQTPDAAKPIDGKIASNHLDENLLQVYRNKLTILTEANTEKERRLEELEKEHNDHNVQH
KEGIYWLRLQLDTRRQKNAEKRLAEMKKEFRKL GAGDASTSDEDDLTIGSDWDEKDIL
IAELRERLRKSEAGFGVMERQMATIESSALVIKSLKEEIANIMEDRTRVELDLLNKLSD
LDTERQRRLQLEFALELQDRDETIDALRRGQQASLCTADATSFSGTYS DASWCVHGVSSKS
RSESHADESF SNHQHHRPGGAELHRILEVASHDSEGACAGYGGGNDSGRSGELVWKERHR
IDSSICKMKTVLESTNASISNMEGIVKSFDPNDDAGGENKERETMMSILQSASLISEQVK
LSISLIELKLRNKSESLKSGVTVNEGHQECSSVDEKTI DTIEEIEDNALIELGKVEETLT
NQLKELEERAKQELMNQNPDIKNGSLPSLGDHCHKDTRSN TDDTLVIRGVLHRLEELV
QFAECMQSKNDKIDELTAEIRKQKKRERDLK KELKAASRTSSERSSGSKSTREHYRSRS
KSGDTKSTRSKRMPEDRTKDQKVEPKNLTRTRTF SHQPIELPAELQSKKEVLQITSIKLA
PDLVPPGPIR DDETKGHAGSFSPGGHG CALSVQADFP EAQQEPVGI FLGHQPEARDRRR
NALGHPRGTIEAPLARRDRVMVCGEGGRSRLCQSPRD

>comp2383_c0_seq1; 127 1 1135 LEN=1371; translated
SNQRKPRVALCASEVFTRPQFLSSGRLISNTAKTKQRDEDEDQRRFPILHHGFFAALAF
VALTTKILPGGVSVCGFLLSGDRVKN DSSSNLSSRHYPVVDNQQCRMHAVHSSSEFNG
NDKQKQEYPPQSPQLQSREAFFGTLRLASLGAIVLSP IENAFDFDGGVGG LGKTKPETGV
ELFDETSAPIQNEKIVSSEIKGKDGSPILVAFQTPWPLLPTSGALEARDIRSTESAFVQ
VTGLSAAARSSDQKWKSKKEFEKVLME SVFAAQGKFGAYGQPYDIQAKKVARADGDESDAK
PTLFSVGF TTTLPAMRESERRALVAATQVGADTLVILVVT TTTSAQYASNEKTFKAIASSF

EAIAPESGLKNKRSSK

>comp2384_c0_seq1; 163 201 317 LEN=1885; translated

MRNEVPDDGATTSTIASDVFRKETKRMTQATTASMSKP

>comp2385_c0_seq1; 445 538 1277 LEN=1277; translated

MAKPVRTSTQRRRPVVETSADGAPSI PNKKS NKVRSKRKQK KALKPMYVVSYS DGGDDEA
NEAKRELYAPFRREFPDTAVRSSPKQKPKHKKDATASDHNRSHKNKGSKHSSLLCKHRNG
VVSSHARMSFAGEVLEGEDRHGDNYFASKQGKTSSSAHPRQLGLPLMPTESSSSETISILS
DTVFCVQGONSADANAATAAAAATASPEEIQAFA SAILDHMMKEGGAEDAKKKKNNNNKKK
KDKKKKX

>comp2386_c0_seq1; 241 443 976 LEN=1389; translated

MANALCCVYTHVVS GSGITDVNSAFFEIIDGSTIEIAGCGTSKTSIQLMQDVMSICDMS
MGSEDCYSQRVCIENAKRTSVPSTVPTPVPSAVPTPPRNNESECEDEAFLFRGKAGRNC
TWIKKKRETHCSKTSRGRVSESCPLACDQCSNNDNNSGCKNDSTFLFKGKAKKDCNW

>comp2387_c0_seq1; 475 231 1520 LEN=3255; minus strand; translated

MTVTSSQTRS FYGQRKILSFLQICLTVLLLVLFIAPRNHVQAFSTTSQAFATKPDQSVTF
SRHFVAWASIGESFVDETSNDDTSSSATASSLDWSFLDSVCLIHCPNGDV DGNRIQSTRN
ILNTINLLDSTTIKEFETDDEDVRGCVTSHVSVFRDVLGANSRGSSVSPGGFDFFNVFQ
KVNARSIDSKN DGKDLNVLIFEDNLSLGNRILTQDTIDAVSDFIENKNSKWDVIHLAYIP
YVPDLKVKSTNEERIVKLSTSNSQSALGTTAYIINKRAMERIEEDDQNGYTLSIPDKMA
VLFGDSRYALNPTAFVRAPATKSLVNPQLDDLR SILFRPTVVSIVQQILVVTGLSTTVLL
PLVILLVLTSSISSATSSVRAAIEFANYGTVDGPLLFPIMNSIISLFSLGLIIQGVLLAP
KPEEENDDE

>comp2388_c0_seq1; 414 1 1041 LEN=1203; translated

ARNVQGPVKSLLAMALLCVLLLFRTFSDPFPETQE QPMLRVPVANRLSHDYAITVSKTDP
SIAVSVYKQGDIVSNINIVKHGYWDGGLTEVVSAILDARRQHHPSTGNTQPQTIVDFGANV
GWFSLAASKGHRSI AVEPMSSNRGALLQSVALNSFDDLIQVVAALGDGSSDSPSSLCI
QPRVAGHNIGNGQTTTKVDDCGEVVQVRTLSIIIGNRKVDFVKADCEGCEANAIMGMDI
IAGKSPPCSFAIEWRVETMKELGGNPTEVTKLLFQSGYLFRRQQCDLVTGEGLKLTEIPS
SLVLEKLP TGSM DLVLLHNSKRCFERD GKAFRYVM DRVASFQPVLL

>comp2389_c0_seq1; 331 189 1558 LEN=1643; translated

MSAEKVGKRAGIGFTYLVILVIPLLFSLRDHAIISDWTRTLELNSNVLPSGVSPWNRHGR
PQTQATALLEFDKFSRNSSCVYETE VVDEFCKNTTCDEHEFCAEGEDPGPCDEHEWDTED
EDGEEGCKMLWFAAIYDGGDEVACNEKGTGYKNFY SVALNXATVNAGESLQPVLLLRLE
LEDDSETTTTTTTSTTTTATKTASLSKVGRWAEQKGAWVFNVPRLSFQEI VNRHYPEMPPS
HRQGPWLRLEIPRLIKEHGLMDKAPNMCKRRFLYTDTDV MFPNKLKKANLKR LSDT LSN
DAAIMYGRESSKEAEAVNTGIMLIDVEKFGKEIPGMLAYFNETGQHVAFDQGLVNDYFNA
TDLGRSLLPIHYNWKS YWKLHPSTFEVKI IHTHGPKPGKGLAEIGSCDISGLPNIPYYF
GFFRTGICCDRGKTA AWFMSY EKLLAPSE DICGSA

>comp2391_c0_seq1; 1614 1 2334 LEN=2529; translated

EEEEKEEDRS DSNETPLLET VATATKPSNDDAARSFLEEFDVASKTDEISALLEENVALK
TTF SMVATDQSEVTYSDFWTRYFR IADPDRVAETYGVYRKELEAFEQRREEAEAAARD
AAANDNLARGISNVTNFFGGVVNRLTQEDDEGGADEAGVDESMDVDDDESAPQTSGLGGFF
NSVTGGGVGRPPFVLNTAVSDDEYDDYQAP EEEEDDDSEVELGWDDDDLESDDDDEQN
TSATMQFKDGD LSETVDFKDAEKEGLLDQLEQARAERDALQKTVMQTEELK KARTADI
AAISPPAAVLEGGDKDEEVQKLSIQLF EKDSELAALRAKLEDDKNEAKDQQQQQETLEKL
LQSI AEKDAEALRRSTDERI EMLQNTVDQKTTEQERLRTEWDSEKEALLLEKEANRQD
TSVVTAEKADDAEMLALRSKIAEQEQKIEELVASKDAAEKANSVEIVALRSKVAEQEQKI
EELVESTTAQEA DGVEMASLRSKVAEQEQKIEDLVMSKATAQEA DGAEMAALRSKVAEQEQ
KKIEELAASKAAATEELQHQTEQSAEQEQEALRTTLQLKIEGLEQRLLVATNQEESDVAAM
EALISEKEATNVKLQ TALAECSKLAKVTERN SQDQAALRADLEAQIDTLIDQSSKRDE
YKQTKKHQHTLEVSELGEQLASSRAVL DLLKVSNI AEATNLLASLEANRSELSKAELSA
ALTAPASPGSSSTGVQVRLPSGDDGEPVSMPSASPNEPGNNADADDDDDDDGWGDDW

>comp2392_c0_seq1; 305 1 1183 LEN=1390; translated

XEELRRKRESEDNLQKLLKDAQSRFSTLHDQNEDISARNRELEGQIRKQAGSDHGQQSDA
DTTRTTQLTETISLQDEEIRRLRSELDRARPLSSPSSHAGSSRAASSLERELEAARGDLA
QKEHANTV LNKSLKEALGLLQPLQMHLEAAEMEKNETSKELRNLRKRFRQLQM GEMVDDQ
SRSTVGGRAIDGGVELAKIKEELEETVRQLELEENSELHDALDDLTEGGNKQNN EAKTRHR
LVELNSLYEVTQNQLEDARVENHALLKALRQKEAEEIERRAEVVRLGEQLHKTESELTNA
KKIAQSALVKVEELTMSNXRAALDPPGLARECTPDRPLEPARGVLLLAAGPGFPGNQFAT
HERQAEKARHTGTGKNANFFGWNSLVVVCHANQT

>comp2393_c0_seq1; 590 58 2134 LEN=2322; translated
MEKATATKINTISVAEDGENKEIEVFSNLNRGATGRIELADGSGIFRSEGTELFDSXEDY
SKCNVPDSTFITTVHLSLGLGASIVNFLSNADENDEVVDIVAGYKDAKTFHDTGNPPFFGG
IVGRVANRIGGGKFSLGKKSYSIFPNNPPNALHGGKVGTSRKIWAPEIIREGSALQFSLQ
SPDGDQGFPGDITIKATYILRPSFSPSGVLLQLDMHAELNPNPGEETVKETPINLANHSYF
NLGDQENGILDHYLQVESDSYTPVDKNFIP TREVRSLDDGVMDFRQKRLRDALEKYAI
EKMDLSAQQSQEHLAARNYSSLP I PYGFDHNYVVRKQRGTS L PK I GFLTYGLRRLTIYSD
APGVQIYTANNLGDSDQSSSV DVCKAEYGPWSAVCLETQHFPDSSISSAKTASSSTRDFWA
GKCPILTNAEPTYNQTMVMHLEMDHSNAEASYFGSDTNGKKYSSIEEMWRNQDSSTWYTR
AKGWYEDNCPSTIDGVLGGIGHISCKDLEGSREFLKQLKLP SRADGKASVACECGAGIGR
VTKGLLLDFADRCDLV E S S R L L F S A P D H L G D S S N K C R F F C A E L Q D W K P G A N K Y S I V W I
QWALCYLTFDFDIVQFLRRCSSLSLVEGGWIVLKENTCEDQAFVVDMDASITRSLEYWLDL
IAKSGLQVKRLTWQNNFPDEIFPVP MIALQK

>comp2393_c0_seq2; 685 58 2016 LEN=2204; translated
MEKATATKINTISVAEDGENKEIEVFSNLNRGATVHLSLGLGASIVNFLSNADENDEVVDI
VAGYKDAKTFHDTGNPPFFGGIVGRVANRIGGGKFSLGKKSYSIFPNNPPNALHGGKVGT
SRKIWAPEIIREGSALQFSLQSPDGDQGFPGDITIKATYILRPSFSPSGVLLQLDMHAEL
NPNPGEETVKETPINLANHSYFNLGDQENGILDHYLQVESDSYTPVDKNFIP TREVRSLDD
DGVMDFRQKRLRDALEKYAIEKMDLSAQQSQEHLAARNYSSLP I PYGFDHNYVVRKQRG
TSLPKIGFLTYGLRRLTIYSDAPGVQIYTANNLGDSDQSSSV DVCKAEYGPWSAVCLETQ
HFPDSSISSAKTASSSTRDFWAGKCPILTNAEPTYNQTMVMHLEMDHSNAEASYFGSDTNG
KKYSSIEEMWRNQDSSTWYTRAKGWYEDNCPSTIDGVLGGIGHISCKDLEGSREFLKQLK
LPSRADGKASVACECGAGIGRVTKGLLLDFADRCDLV E S S R L L F S A P D H L G D S S N K C R
FFCAELQDWKPGANKYSIVWIQWALCYLTFDFDIVQFLRRCSSLSLVEGGWIVLKENTCEDQ
AFVVDMDASITRSLEYWLDLIAKSGLQVKRLTWQNNFPDEIFPVP MIALQK

>comp2394_c0_seq1; 211 677 1300 LEN=1522; translated
MSGVDVGKAADEKHDATNVLNNAIEGLAFEETASVNTHGALAKSDSVTVGNTGEIRYENV
WQKMDGKARIGAKKLWDDTFGDAMPCKVKNERLGALCVVAFSGDEVVAVSTVVIEMNSSL
YCKVGWLRCLVKEEFRRRRGI FTEIMSRCKIALEEWAIENPLAGLLAMGVMLELKF DGKNL
NNKDPVWPKTGLTLVGYTQRGVQIRIAW

>comp2395_c0_seq1; 479 402 2234 LEN=2464; translated
MNQGRLTINMFSNSVELSPELERTSKKIASNCLPPKSPASMNGKLLSVVTNASSSSS
RRRGP SRRR S S R R R S R S K S R N C R G N S S D A S C S S E N S S S S D T D S L K L L P L S P R I T D P S P
IHLTVDTDSDDFSNAEQFSLLSFEKSMKSNSTFSYLDKNSELADRRNSGCQDNHTQNR
RQHRRSHRREHSWNSSTPINLNTVDTGTSSKSCLTVPKILRRQRVIVADVAVSGNASDTL
VSIVETSNGNGRGRITGRELHETAKVFMNEGEYQEALQMFEAILRAQLARFGCEEHSSVG
AALHNVGVVRLRIGEPLKAEAF LRAL T I R R N V L K S D H L D L A A T L A K L G S A R T S L G K F D E
GLFDLREALRISRKVLGRNHRNVAQILCHIACLYFEAGELFSAQATFQDALEIYRGVFQT
ESDRDACMAQLTETLCNIGSIQNKRNKNSGAI ESFREALYLQRGILGHDHPKVIATLDNL
AYSFSKSKSYNQALICYREMLSAEISRYGSFTLECCDTLAKQVLILGKLKVVDDALQVVN
KYLESIQAKSEQEVSAANDEVAAEEVNQMLLDLKTAKKKSSKPKTRRRRERSLDCFDRI LFE
KGKDKRASEL

>comp2396_c0_seq1; 209 148 1170 LEN=1250; translated
MEGPEANHGGRPKTPQEFLGCVPIGHPDSMMSVESVRKAVEEFRTKPTDVIVATFPKGTGT
TLVTWICHLLRTGACPKKSLGFETLYEVVPWPTLSWDIGYDPNVQGFSEFNPRVFKSHLRM
ASIYPSCKYVVTIRDPAKTALSFYNF IAKKVPFLVSPEDGKLLMDVSTFLLDTPFVKGN
HPKRASIWYDYSEYHALMECPSVLMIIYEDFVQEMSSQTRILAKFMDIPEMNKDDADNEN
LIARTVSMSSKEYMAQHMSKFDEPYERAKSLRAADISQLAPGAKI AVKKHVQKFDERAN
SFLEDQWKATMGTGLGYDDYDSFCSTVRTRNKR LFGNRNIQ

>comp2397_c0_seq1; 431 1 820 LEN=1035; translated
XCRHCPDDDAMGGAASATSVEVKT PVGFLCRHCPDDDAMGTD SLLMTAISQDCAGLCQK
EAAAELEVDFCNKIRSAQNSKYLSSAKSCAIRFDIEEKSSNNKRVSSATNKVATVDSTII
LKGVGTGDATKEEQAILAKAFVSAYNDVHWGANHYLTDAEIPFTAATGSPEGFLCRHCPD
DDSMGGAQQTNTLVLDIVSPVEAF LCRHCPDDDAMGSQFDIQSLNSNPFDKKAI E V A F C K
KIQNSVSDKLAATKSCSIAVESVIAAASNTKKW

>comp2398_c0_seq1; 656 73 2015 LEN=2326; translated
MEAHGNYKPGYDSEYDTAKNETTSDDHHHGSVEKEGKNDDYKISSYTKMNCPPSKQMR
QPLSSSSSRSTRRLPSYNNKIVQESANNCINSRFDHDTFSTAKSMALKFANPCGLDMNQ
YNNNYCPPRTPSTVGSSFSDDSVETSSSLAQHSSHPKRNNLKSRCSDDNRS GHPFLRR
TVIQRRSSRSSEAYSQFSTEKDEGGYPLTRGIAPNFDKNDGEDVVIVVG DQEYPLPRTN

EKFVVKYLLSRQERVDDHFSYVDLSTHSPNEFEVMEFFENNRNTETWDEIHWKNIHIIL
PWFVEFQSLPLMTAVDSFLCHNGLGGGQFGCNDNGNTKRKHIISLNLILITQIAFR
GLESTKSHARRLLKQCLLEPRKEYGGSVDLDDSNHTNRPPMEAATEDIELEWTLHDLQIL
AQTLQAYSIDLREYLWDTSVIVYLPDLDI SNSTELVSNALFPYLLREGMMQMMIVEGIRI
DSSADLSYSQANESSFNSSVSI GFSYSESTSCSDTTIPTNPAQRKNLTQEEMRVHLNEI
VMYLDKFRAEKVARIEMHKEQLENSLLANESSFDDIGELSDVGVNTSRSSQDYGSRSDKY
DSSSSGKKIFNVLSGESEGLNVCMLKNILKAHTTIWDDFVQKELRR

>comp2399_c0_seq1; 125 164 697 LEN=1097; translated
MAGYVTKPAAAVNKALVEFLPELDSYATYPMKHDRWYEPDETGPKGEPFCIAKGGTSLA
TGSPPIKKDYVYCTTGGNGEGYYSLMCRYSYINLYYKLLKSCAPQGTCTACPCFASKATRD
ALDRYDDCKRVVYMRQKCFPKPDDKLASDIVMGIKDTANMVYHGTQNEQLIVNAVF

>comp2400_c0_seq1; 478 153 1673 LEN=2038; translated
MQTKGDDLDKINIRMKDDGTSKSGICTCGGMSSSDMMTTVAMDEKLTANSSSGS
GIGENNE ELGAIHFEGAKKSPVWLESFFVNLMTTRRNIRTSKDYKERHHQQLSQHGFLERHQHLLKLL
EVAYNANSDDIDHHKNENHGKCDAMVELCVEC IDRVEAALEADTQRMYAIEIEVYQKAVHV
AKNKTSLQKTTEGVVAGIATMGEDPTEDQAHGKNNIAIEEAYRHEISMLEQEAQTR
CDELLHYKNIHKEQTTITRELDLFEEAIQLEQNSLELQSQA FDNRRQILTCTLSEVQNEV
DRLTCVSLPRVLFDLQVDQVRGLHYPLINQLRLA FRPKGDVPAQEIQVAWSQATQLLLVL
GNLLDYPSSDWKLVPLADCAKLIYRKEIFNLEPGDCRSLMAWNALLDQIVKHALSITVGG
GNKVNLSVSTDIYDQDSTSTSTNAKPPYISSPTMIGNTELARLDPIDHVSWSQVIHRMA
SNLLWLSNRASALAAATQVGSIVHCVV

>comp2400_c0_seq2; 482 153 1483 LEN=1592; translated
MQTKGDDLDKINIRMKDDGTSKSGICTCGGMSSSDMMTTVAMDEKLTANSSSGS
GIGENNE ELGAIHFEGAKKSPVWLESFFVNLMTTRRNIRTSKDYKERHHQQLSQHGFLERHQHLLKLL
EVAYNANSDDIDHHKNENHGKCDAMVELCVEC IDRVEAALEADTQRMYAIEIEVYQKAVHV
AKNKTSLQKTTEGVVAGIATMGEDPTEDQAHGKNNIAIEEAYRHEISMLEQEAQTR
CDELLHYKNIHKEQTTITRELDLFEEAIQLEQNSLELQSQA FDNRRQILTCTLSEVQNEV
DRLTCVSLPRVLFDLQVDQVRGLHYPLINQLRLA FRPKGDVPAQEIQVAWSQATQLLLVL
GNLLDYPSSDWKLVPLADCAKLIYRKEIFNLEPGDCRSLMAWNALLDQIVKHALSITVGG
GNXVYPLPWNLINYEYSIFLREG

>comp2401_c0_seq1; 440 1 1643 LEN=1972; translated
XQKVSQVSYSNKLTATRMDLQFQEDWPKEADKMYERIEVLGKGSFGLVWMCERKTKADDE
FDDKYVAVKNIEIKEEKGVYAQREISILSELKHPNVIRLIREFPYINNISRLVALQLAR
GPNLQRVVS KR GALGLPLCRLISRELVA AVSYLHGRGVLHRDIKPTNLILENTEIRPVDY
YDYSRDSSI WSDGRDAEEMVERNKWKVMLVDFGFARALTANEIDFYRSEADDKTPDLAKK
SRRHMRNSITLESKGPPTQTKPPSA AVNVDDSEELALITMAANS MRTNMMDNAAHQPSK
RRTSNVSNLEEIKEATNATNGTPTPTEDRVAPIKSKNRRESITQKQVRSMSALGTKAYAA
PEIKHDLRNKTIEDINKTNAALTECVADYGMIVDAYS VGWTLRVVLTGVPPNSTISKYMR
KYNGQKASAEFTDEVVCCSFLGSPTDIEEENKTQTKPDRVDRDTDEIPRAATIFISQLT
KKDPEERMSIRQAQLHPWIKGDEQKGEPLYKVPQGDYPSHHGDPVPLKCAANLTNIVEI
HNINKDQ

>comp2402_c0_seq1; 343 37 681 LEN=946; translated
MSEVQVNAV LSTQSADTV DSTQSRDANGNP IVSKSKARSLRRKRAKQRKKAAMQNGGQGV
EEKKTEPQDKENSGAQPKGQAGAKKKRHRKKNKAQAGDGAKPDAIKNNNGNKVRSSS
AATSKNVEPKVTASTKLS EAKPKVTASTSEITKGTEETSPAKIDDLPVREETIAPVATS
VEIKSDTTQATIYDDDNENNIGEKEDCACACTLM

>comp2403_c0_seq1; 537 73 1578 LEN=1821; translated
MAYFAVAARRIATASSRRAVQSTANRSFSSNGADVLASGVYGGQLDQDRIFTNLYGEQD
WRLKDALKRGDYHMTKEIMTMGPDWIVQEI KDSGLRGRGAGFP SGLKWSFMPKETDGRP
SFLVVNADESEPGTCKDREIMRKDPHKLVEGCLLAGYAMRARAAYIYIRGEYFNAAVLD
EAIHEAYSAGLIGNACSGYDFDI FLHRGAGAYICGEETALIESLEGRQGKPRKPPFP
AGVGVFGCPSTVTNVEETIAVSPTILRRGASWFAFGNENNRGTCLFGISGHVKNPTVVEE
SMSIPLQELIEKHCGMNRNGWDSLQACIPGSSSTPAMNKELCDEALMEFDHLKSLGTSLG
TAAITMFDDSVDMVAAIRRLAHFYKHESCGQCTPCREGT SWLEDV LIRMEKGDADKREIP
MLEE IARQIEGQTICALGDAAWPIQGLLRHFKE DIEKRIDDPASFDHDAAFQTSWSGDP
FANDEWVDEFGDGLTYKKATA

>comp2404_c0_seq1; 354 1 714 LEN=839; translated
HRVSTVTAPGTIGTTTTSLFHLTSDFLVKTMMADGEEPITSDDVANGTAGDSNASPNETEA
SALEDNIATKGRNSYF AHKHKAKGPKWDGKAEPKSLSKEDMKALSLEDPTKLLLEQSGKA
SSFAYHKS NITSY AFLNEEKQVKLYITLEGIGE QCKDEDIQLDWDESSL SLLIKNYS GTD

STGTEDRTLSFGRLTAKISNAKFKLKPDKIILTLKKEKAGMEWHTINDKGSPDHELIV
>comp2405_c0_seq1; 821 113 1990 LEN=2244; translated
MLFRSIALFAALASPAFGFAPVSTPRPSVMALRVATDPIKSDDLVSKEANVKSVRRTKPT
KNPMSPEFEQIRSVPYNEAFPNSTKEHKTVTHEETGHVNLNVPFRRVHLEDPDQKYLPLYD
TSGPQGHDPKIGIPKLRKDWVAAREGKFERYTQMHFARQGMITEEMLFVAEREGVEPEFV
RSEIARGRAIICSNKKHLELEPQIIIGRMFKVKINANIGNSAITSSIEEEVEKLQWSTLWG
GDTLMDLSTGKHIHETREWIMRNSPIPVGTVPYIYQALEKVDGIAEDLNWEVVFRETLEQA
EQGVDFYTIHAGVLLPYVPMTVKRMTGIVSRGGSIHAKWNI FHHKQNFAYEHWDDILDIC
AEYDIALSIGDGLRPGSIYDANDEAQAELKTQGDLTRRAWEKDVQVMNEGPGHVPLHKI
PENMRNQLDWCNEAPFYTLGPLTTDIAPGYDHITSAIGAANIGALGTAML CYVTPKEHLG
LPNRDDVKAGIIAYKIAAHAADLAKGLPGAQDRDDALSKARFEFRWNDQFNISLDPVTAR
AFHDETLDSASKSSHFCMCGPKFCSMKITDDVQRQYAAENGYGVEEEAIAKGMEEEMSDM
YKEMGNKLYLEDMDNVVNPLEDLTP
>comp2406_c0_seq1; 140 1 296 LEN=350; translated
XDNDNDNDVGRHTVSFSVSFSSSLLAGAVDVLHPGGAFGSSPVSGAGVLC SARHNLGVA
ESKNKTMADRQCHAQSRNGNNEPEPEPATASTIQESKE
>comp2407_c0_seq1; 422 54 965 LEN=1137; translated
MVFGRKKKETTTPAEGENDLALAAGAPDDASSTGDSVPPPPPEAFAGGKQNTESIEADQYV
VTMPQASGLADEAKEGKDDPDFYKKLGVILLICISTFFVLLGVS IKYGVSRNQRAENSIGD
PLLVESGPAEEGTSEPPRTVDQQSVPWEDTPSDPTGTNTTGVGVDAETAPGAGEKTVVPS
QVGTGGTLPAPNPFAGCTADGIVLEATCVDGASLVSMDFCLANGGATDEFWAWVETPD
AYARFVETDWGWL RDEASREVEGLPGGTYVIGLFS DGRQLLPEYPLLVSQEF TVSCPELE
VRN
>comp2407_c0_seq2; 470 54 1004 LEN=1176; translated
MVFGRKKKETTTPAEGENDLALAAGAPDDASSTGDSVPPPPPEAFAGGKQNTESIAVADDD
DGDGESIEADQYVVTMPQASGLADEAKEGKDDPDFYKKLGVILLICISTFFVLLGVS IKY
VSRNQRAENSIGDPLLVESGPAEEGTSEPPRTVDQQSVPWEDTPSDPTGTNTTGVGVDAE
TAPGAGEKTVVPSQVGTGGTLPAPNPFAGCTADGIVLEATCVDGASLVSMDFCLANGG
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VSQEF TVSCPELEVRN
>comp2408_c0_seq1; 174 209 664 LEN=1018; translated
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>comp2409_c0_seq1; 427 106 1098 LEN=1418; translated
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DARKENTISSILREGGYVGVVHCIGLLDDASGLGTYNRFVSGSGSVPDENSSYDSITRV
TAFNAIDSTIQYLNDQEGGPPGGRLPFVFTSAAEAGWPDVAGGSQIEKFLAPEWLQRYLV
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>comp2410_c0_seq1; 461 202 1487 LEN=1559; translated
MSTRSRTRARASISMAVTLFLSLETSSVAMIRSVESASPLISKAPTTKNIDVDVDVD
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EKCWNFLSLDRWDETMPRMDPFYEGLDVYGEYAVASGSGGEGDKSDHDAARCQLVRMILA
RKRTKRILAFGKREFVFSVEDTPLQDGTWVSGTVSVQVDESSLKSP LKRNKSYTRAFQD
SIAFYKPLPSRAATEGKAGGDADHRSGRTGLTIVCRIDLND SNGRGGCIPMXALRENDR
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NRTNAKKL
>comp2411_c0_seq1; 305 681 1214 LEN=1566; translated
MASKLGLEKPERVAVAVEGICYQNTGIATSVAASMFTGTQLATAIGVPLYGLVEMIVLAI
FCLGCWKS GWTKAPPDENFFTMIGKSYEVEQARLES PNAIEVVHNNNPKDDGDI EDLVFN
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>comp2411_c0_seq2; 322 130 1317 LEN=1669; translated
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LNMDPAIGVSLLVVTSPPGSSYNWCSL FNAELALSVM TGTISTLLSVVMLPLNLVIYT
TGSYSDEVVKS LDWFALFLSLIVVLGGITSGVLMSAWYNSTRFNL MANKLGNLAGVSLVI
FSAIVSSTGQDTSIWNQSAVFYIGCAI PAIVGVILATY MASKLGLEKPERVAVAVEGICYQ
NTGIATSVAASMFTGTQLATAIGVPLYGLVEMIVLAI FCLGCWKS GWTKAPPDENFFTM

IGKSYEVEQARLESPNAIEVVHNNPKDDGDIEDLVFNQTI EGYQVDERSLQEKTNAGLM
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>comp2412_c0_seq1; 438 162 1511 LEN=1745; translated
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GIVEREDLLTKMSYLKPRDLADLQDTVLFLLDATTSGMGKNSAGSGETGLGGLLSGFLGGGS
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CISAMGDNSIVTLVSPEDGTILGGNEGEDTAWKSLRPQDLEGELLQAVSVRRDPVAERR
GGGPSGDNGSRARLAAASADYIATDSAKGLPLSRQDLAEVCVQCALRLPTTPPAPTEEPG
TDVDADTGSAPTGTPTLRVVRVIPRGTERRAARDGIDWTERPNKNYFAMMGKKAKAREGT
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>comp2413_c0_seq1; 241 114 1136 LEN=1309; translated
MDQDNDDNEKESKINRQSRGFLQNALILVATLTVVGLIMGYIHTHDPQLSKNIQHIVEK
WEDNLVAHESAAQQLRTPPIATKETPPEKTSKQTEFDLTFQVEELDQKVRARKSTEGVL
METDPEGLRLTKKLQAATLKLKHYGYGTHKHERFRVRVDLVYPEVIVGEGESKKAFFVI
EMAPPSLIPCSVFFYFMEMVRTYKSGSFHRNADHVLQINAQTEATAGHKSMFPQEYSPEHP
HKKYTTGYAGRPSGPGWYVSIKDNNTKNHGPGSQQKHNPYEADANFGRVVEGIKEGVIDKM
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>comp2414_c0_seq1; 322 214 996 LEN=1093; translated
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TTPKRASHLLCERTKDVEAASVETKSTLHRSQGNTKTIQPPSPTCVKEFARQRIVVEEEK
QGEIFEEKHDEICEEEEEANVSDGWASSHCTRYACVESFPDFSDTEFLSSVQGNRSMKG
FKDFARVVMKVEGFQEQYHVNHHALEKIFTLRHFCHNLPCDNLNACSPSAVDDATDAKD
ISMTVEFRSKNTPPTIERIEI
>comp2414_c0_seq2; 343 94 945 LEN=1042; translated
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QPPSPTCVKEFARQRIVVEEEKQGEIFEEKHDEICEEEEEANVSDGWASSHCTRYACVE
SFPDFSDTEFLSSVQGNRSMKGFKDFARVVMKVEGFQEQYHVNHHALEKIFTLRHFCH
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>comp2416_c0_seq1; 607 254 1639 LEN=2000; translated
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IGTAVANLSVAFFLVILLAAAPSFVRATLPLFGRITKNAPQQASQSPLSSLKQPAFHMRA
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RDALWTMLKSKNALRRVYRGILPAALGAISSALYFGAYESSKVTTLKRLVLFQKNHKNVDS
DDYRARLRFVHGLAAASGNVISSFVFPKEVIKQQLQIRASEATTGTVQAIGSIVRQNGIS
GLYAGYGATLLRNIPSATIRFVLYEELKRKWATAPSGESGSSPQTQKLRAAGTFLAGAVA
GATSSFAMTPIDVVKTRMATGSCPLGVRSCMLHVVEGVGWKGLYAGAGSRVLWSGAFSAI
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>comp2417_c0_seq1; 688 1 1917 LEN=2240; translated
ATTRSEFPNDTEREIQORYGKVMGSAVNPVLRGNSDRRVAPPVKAYAQKNPHRMGIWS
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SCMSAEALTAFLADEIEDAKDSDILFSIHLKATMMKVSDPIMFGHCIKVFFKDVFDKHGD
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LHAPNDI IIDASMPVVIRDSGMMWNEDGELEDCKCVIPDRCYATLYQEVINYVKTHGQFD
VATMGNVSNVGLMARKAEYGSHTKTFELEGHVAVTDNNTGEVYFQHIIVGDGDIWRMCQ
TKDEPVRDWRVLAIERGRATNDRVIFWLDKRAHDRSLIDKVNNTYLDKHDLSGLDISIMK
PVDAIRVTMERATLGKNTISVTGNVLRDYLTDLFPILLELGTSAKMLSIVPLLAGGGLYET
GAGSAPKHVQFVEEGHLRWDSLGEYLALAVAFEQLGSTTDNGKAVLLGECLNKAVGRI
LNNRKSRSRKNVQIDNDRATNFYVALYWADYLAQEDPTYQPMFDALSARATIVEEKFECQ
GDPVELGGYYLVDPKKVKAMNPSPTLNKILASIGETL
>comp2417_c0_seq2; 901 374 2821 LEN=3144; translated
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ALFPEKLEPNQRVPDNLAYLGELAKVPEANI IKLPNISAPLNQLEDCISELSKGYDVPI
YPREPSNDTEREIQORYGKVMGSAVNPVLRGNSDRRVAPPVKAYAQKNPHRMGIWSKAS
RTHVAHMTQGDFYQSEQSTIIGDKPTSVRIEFIPKNGSASRILKEDIPLEASEVIDASC
SAEALTAFLADEIEDAKDSDILFSIHLKATMMKVSDPIMFGHCIKVFFKDVFDKHGDILK
EIGADPKQGLASILEAVENKVDKDKKKEIMLDFKGSYGTEDRPWLAMVNSDKGITNLHA
PNDI IIDASMPVVIRDSGMMWNEDGELEDCKCVIPDRCYATLYQEVINYVKTHGQFDVAT

MGNVSNVGLMARKAEEYGSHTKTFELEGHVAVTDNNTGEVYFQHI VGDGDIWRMCQTKD
EPVRDWRVLAIERGRATNDRVIFWLDKRAHDRSLIDKVNTYLKDHDL SGLDISIMKPDV
AIRVTMERATLGKNTISVTGNVLRDYLTDLFP ILELGTSAKMLSIVPLLAGGGLYETGAG
GSAPKHVQQFVEEGHLRWDSLGEYLALAVAFEQLGSTTDNGKAVLLGECLNKAVGRILNN
RKSPSRKVNQIDNRATNFYVALYWADYLAQEDPTYQPMFDALSNARATIVEEFKECQGDP
VELGGYYLVDPKVKVSKAMNPSPTLNKILASIGETL
>comp2418_c0_seq1; 350 203 883 LEN=980; translated
MTILYALVSRQQTVLAENTNASTTGNFPTVTRVLLLEKIPPDGRMITYVYDEYVFHYVVEN
GICYLCMSDEPSKHRIPFAFLEDVKQRFLQQFGLQQAQAI AF SMNEGFKAVLGERMDFY
GTEEADRSIDNIGTVKSQIDEVRDTMVQNIERVLERGEKIELLVDKTDRLNQQAFRFESN
SRSLRRTLYWRQMRTRAFLGAAVLAVLCLATVSACGFGLQRCRSS
>comp2420_c0_seq1; 316 255 1073 LEN=1378; translated
MASNNGQTPGTTFPVMP LSI PKDIAQNEAALSSSLPSSSSSTTTISKPGVPGTPKSIYEM
IMSNPPPTSANYTPQAAMHRPVEYYSETNRVDRGRGYNKYALDKLTRKSLPYFMPWKTS
GGPTEIPPNYAWLMDGCAGKAAIGVFGGGVMGLLMGVFLGALSDSQPPIQVAGGKDVPQA
PFKEQARYTMRATAEKSMYWC RNFAFITGVFGGSECLVEKFRGKHD MNPVVSGCITGAA
LQAHAGPQAAAVGCGGFAAFSIVIDKIMGNYD
>comp2421_c0_seq1; 535 62 1186 LEN=1309; translated
MDSEAVSSHEDNPPSRVKNHNKYRKDKPWDNDQIDHWKNQPWNEEDGDQLVGGRRLLLEESC
FATLFPKYRENYLRQVWPVVT KALDGYRIACELNLVEGSM TVRTTSKTSDPYIILKARDL
LKLRSRIPVAQALKILNDEWVCDIVKIGGLVRNKERFVKRRQRLGQEGSTLKALELVT
GCFILVQGN TVSIMGQTYHGLKQARNVVVDCMNNIHP IYHIKRLMIMKELAKDEKLKNE
WERFLPKFAKKNVKKKPTKKT PKAYTPFPQAQPRKVDLQLETGEYFVSEEQRKSQKL
AAKKEQAKLISLEKRKRMEEDEIAPARKTDNKRKKMASTENANVDVQAFKSKIKSRKE
VNPKDSKISDFVKD
>comp2422_c0_seq1; 1482 215 3532 LEN=3709; translated
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YVALEEITDDKPEI IHLDGAFEVSVSPSKERSNNTFRDGDNVTEQKHESPTRQMVDIETT
FDDGTNYEITLSPREGGEGKPIVLDGDETKPIDLVEEDPLG SYAERRELATKVLGAKML
QGYTLQETTCEKCSMPVMSYKGVVCKVCPALAKRAKKKLRQKQKHQEAALGGQQHEHEE
PSDVSEDLQHRDEQLDRIKTVRKEIEEKTHREEEADAKRAEEQQKAINHEKARILDNME
DSKDHAVSQSGPTEDPQIPMSDEQAELARLGAIAKEEQRKRKLAKERQKEEEAVELEA
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RLEEEERLNEEMEARLAD EQRAESES RMIAALEADAAMKALAAEDAIRKAKEALAEVQST
KKQIISQTIEIAEKEVIAEAEQTIMANREDYTEPVILPTDSEIESERWETLRMEGRAIMT
RRILQGW EILPEACKGSECFMSPLIGRLGRKECCVCGNGSGTDGAYSKQEVAEQQQSEA
ELAPPPSVKLETS DDECKGKDWYDMMDFEKKRAIYSKEIGKRMLLGWVLVDATCPKCGMP
MMMDDLGN TDCV VHGEMNKHFDASTIATKDMAALETAGEVSVEEVPEETGEQKKHVESG
SDGTSPELVV KRTSDSLCSTIQKQAKKQTKRKPVTTS DPPAFKPPQARVSVETARQISQA
SALVESARQIAGQPSQKVNVDVIPIDTND FADSSAFEKVTGAQGREETKPIDIS IEMVA
NMF LKSPHGYDFQDFGHSMNVDEIKELVDIFLVTNVDNSVSDDFKLSVAQRILSKMNLDT
AKSRDDSLPLRIEVDEQQFNFNDI ESDYTATKSTGKFGKRAKRPEDQARGLPPVSPTR
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QIATASLLERLAQA AAVKEMEYVE
>comp2423_c0_seq1; 651 198 2411 LEN=2450; translated
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ALSSSATVIHPLDPLLPEITRASDAVRKHLGLTPDNAVQNLRFVSI SLLEPPKADYIQG
VKTPRKAECITLNPQTGIASFNTV TLENNEAKIVEST EYPKGTQPLLTPEDCDLAEAIQ
SSPEVARALRD RYGIIDSSRVACDPWSVHLASPADQLVNWRDDGVPGRVLVQTFLYHRQY
GDGLEDNHYAHPIDI VVVLDL NARKVVTIHGMERSPAPEIPTSSVQYHRDLVSINSYLET
EWRKDKLAPLDVLQPEGFSFTV TGNQVEWSKWKFRVGFNSREGLVLHEVEYDGRPIMHRG
SLVEMAVPYADPNEHFARKCAFV DVG DYGLGFCANSLSLGCDCLGHIHYFDAILNDSQGNP
VELKNAVCMHEEDTGV LWKHVEYRNGHNE SRRSRELI ISSIATVVNYEYLFYWHLRQDGC
IDFKIKLSGELSTNLLSDGESVPSHGVMVAPNVNAQIHQHMFCARLDMSVDSHKNSISEV
DMYSEPLSDTNPYGNCFNVKETILEDEESAKRVYDANKARSWKIFNAEGKTNGMTGKPV
YKLLPF SMGSPQILLTDPSCAVTKKGEFATKHLWVTPHSDKERYPAGECTVLGDGSDGL
PDWTKANRN LQGEDLVLWHAFGVAHVPRTEDFPVMPCETTGF TLKPDGFFDGNPGIDLEP
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>comp2424_c0_seq1; 363 164 814 LEN=1033; translated

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>comp2425_c0_seq1; 207 112 725 LEN=774; translated
MIDAIHAGLDYLIANKDYLLFCFSVDAVNTLISFPLIVWKGPKWLLSSTEPGAKEKLED
GDAGTEVVLDSDTDRKSFRVLWEIFTICYEGYFGFTASTLACLYTAPETRPLFAYPLFAL
YVYKAKAYMTTLSTDSAQARAKLGSILFFYWPCYGGYCLLHSIEWARGRAXRAGSGARAP
RRFGNTTTYNSDGAKQGMHKRARG
>comp2426_c0_seq1; 320 1 1619 LEN=2132; translated
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AYREFPWGGDGKTRSFVTHREVVDYLSRYSKVMGVEDTIRYDSIVTQLEILEIDEKKNEN
DEGNEQYSWPQIKVRWESVLDGINAGDRNSQSEVFDVAVCVNGHYSAPANPIISGMENFE
GNI IHSITYDDPSVFKDQTVLVCVGRASGSDLAREISHFAKHVYLSDTTTPALVDGKPII
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ERRVKPLYEQLWHAQYPSLAFIQLQHSVVPFPFFELQAEAIASQLVGDSSSRSWTLPPMK
ERMECAEKDATSGGPKAPGRVQDTHYLSYQWEECLKYARFAGVCDEDLKKYIMTNKAIY
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>comp2427_c0_seq1; 372 98 966 LEN=1014; translated
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HLLHDSVLMSPSTSTSSKILPAGTHMSLDGDEKAHNSNDHEEECNNTVQHQSFCVRN
FVQFFEQVQDTSPPKRRGDQLCIGVLLILLEVSFMIISNNEELFGGFHLRMSRLEQSNT
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>comp2428_c0_seq1; 549 1 1224 LEN=1240; translated
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GNTSTLDSGILPTNTTKPSTDSDDKIPTNSSAVANTTAPSTFAGENVAI LAEDFNATAS
NASFLANDTVTTEGTTETIDANANTTLKRMNAPVIVIPDSGDNDGHSLSNNTNTSKTVSG
SFESSNVTIGGGSSGSFSNSTVPLEIPTNDIRTVATEGKMATEKKKKKKSRRARESSTS
DTSAMTSSTEGGGASEAKETSESESESKGETTGQTNLSGKTTSSSKKKKKSKSGTMKND
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>comp2429_c0_seq1; 312 275 757 LEN=1168; translated
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>comp2430_c0_seq1; 514 1 1298 LEN=1711; translated
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HPQVEIEGELLDTPASGTYSDDTVLPSEELVECLTGCSVCIACYGATRKTTPSELLSWV
LSTKSNDEPDSEDTP IHPKQINYSMLALGKACERINSNNNNKDTTRIEHIVRITG
KGEDPTGIFSVLLNGLGSFCKLWNYQGETVLRSKAFGGPNSGTNENEGSVGYTIVRPGVM
VEDLKEDDLKPGQRRYLELKGNGGNDLPVTPVTRPQIAGLLAELAVGEAAGARRRRVTL
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>comp2431_c0_seq1; 395 166 1188 LEN=1235; translated
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LIESGIDNLLQDPERDGPWIKQREQHGRDFLVFYQLTDNNKLIARIDCAFESSLLVPL
LSVFNESELFSSWMPWCWERPVRLGISRSEKLDDEGRGKQIIRVTTSLAWPFADREVFRV
MAADAIEEDRSCIAIQAVSQTSDDDPVI PKATREAVRVDFSNFM LIQACPPDHPCVARSK
HHSNDKDHEPLILMNL TLEVDPHLGVVPQSVQNFVTRTVIGRLWLALLHVAEDVRDGRP
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>comp2432_c0_seq1; 256 33 948 LEN=1292; translated
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VYVAVDSLFGHKYLPTRTTGTPVRYVELDAKSVVFLSINAVHEWIFVQRLCHYLWHSQEV
SLDPADLGLLNTVGALWVMFVLDLCYAPCHLLHTPALYPLVHKHHRQHYPTRGYLD
GNEHP IEHVIGVLTWTAVLAAVRLCGAHSVVFVFFNVHAALAMLNHS PYDVEFDIIPF
GILTYSVANHEMHRKFTVNYAQYSMWYDHLVKTTFAGYEGPAVAKAVTKQLYTAGTEAGQ
RVRV

>comp2433_c0_seq1; 692 77 1189 LEN=1455; translated
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RKAPKLSFSELKTLFPALCHTGVHVGAVIALGAGAVSFAHIVKASEPVVTCMLMNYLFLG
QVLPLPVYMTLLPIIGGVAIASMKELSFTVLALASAMLSNVSSSARGVLSKKTMSGKSIG
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>comp2434_c0_seq1; 505 76 1289 LEN=1289; translated
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NLNRIEWIKPFFSKQIAEGFYRFEVGAEYQRNNNVVVDGNDVDDGGTGGDDSSHRDEINSFLD
LPRDAKLKVNFDHPYLLDDLSVVPSEDLVLKQTLLELKVSELQRRLP I EQQNDTSVFCGSD
KSGTRSSSTNGSATKDDPRLWILDICLDYFACQNPFLSDLETKNESATRAFLDVMESGIFN
HCTDEDKDGNVSVVEISNNQPATNASFVYQTELVCFYKLLKELLLDLCGQECTERKYQEIS
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>comp2435_c0_seq1; 133 79 1016 LEN=1664; translated
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LPLLAVAEHAHDHPDAAADTGGVDGYSLLLVAMAMSIVAEIHSVAKAXMGEGPARRI
LSGGPLETLEAPELCRRDPDVGVCGGVRNLCWLVLLEGGHRCIGLAALYGADPAEYLGDG
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QETVERGKRAMR

>comp2436_c0_seq1; 695 187 1869 LEN=1996; translated
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ALATSSSIGLLVEACDRYNLSTYEKIVEKGLGRNARKLVEISILVFCGTAAGYVIAVGD
IMERVVPSLTTSQKQLSMSLVWCVAMPLSCLKTMRSLCASSVGILSIGTLLAAA VVHL
VRGDGSGGRGNDYGYSDDETLLSFSEPASIASLLGPAGGSWVSVLQACPIFFYAFSCQ
VNVAQIFDELPAVRGGEKLPMTNRVTSTGVLVCGLLYASVSLVTLVDFGASVEPNVLSNY
DLGRGAQPLLHAAFLGMALAVVMAFPLNIFPARVSLIQMWEETTKENNNASLSSSLPPEF
EAVRQPLLSEHRANGGLDYNSDGESSGAAGSGEDPLHDETGSHDDVDEPGGFRPVRHA
FVTLLLASLALGLALVVPNISVVFGLLGGSTSSLLGFVVPGLLGLKLDHTRVGAWVLVVC
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>comp2437_c0_seq1; 396 213 1414 LEN=1673; translated
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QGKACDTETEGRAFYVLCDFLSEDSVRACAAELRAKCGGGIDFLVLNAGISGGGTGGSP
QAKPEAERDADAARVWMTNHVGPVVFANELMPLLVAARKDPARHSPRAVWVSSGAHKRA
SIDWEDPFHPSFAASGMRVYAQSKLANILHAREYQKRVRECLNEGSKKEGGPDVRCFALT
PGAVWTGILGATNRPLLYPLLWATMRTPRTGAQVIKMACLDXGPGGGEYLSNCYAKETEG
KNGCSNDEAQWKKLWELTEGQVAAKAYADPSFFGAREKSE

>comp2438_c0_seq1; 112 174 398 LEN=398; translated
MKFSSSQTFIATATTFMSIATRRTAGFVHKNAVAKTATRAYSAGSAANLAKDGQAEVILVG
CGAPNRGMGWYHAVQ

>comp2439_c0_seq1; 536 1 1340 LEN=1340; translated
XGNGNGNGSVGLPNDQAQTHQKARRRSSFSSVMSALGSETKRLSCMKRREKQAKHHQEGK
DEDRGICNGNVNDNDKKEKKKTPTKDKDKDKDKRKKKREKKTEENKPRISENEGVCSS
SCSSSSTAELPQDARVNPQQPTFVVS DPHGLVFHDKDRDKEKDRDDHETKNKSKKKKKEK
KKKKKTPKKKDGKRTQQGTNEKTGPPEEASACESHKHSCSHSCSHSCSHSQRRLP SDPSS
LGLDGAVSPADLVRRLRSIRS IHSTMSGSLALHSHHEGSLSVSR TDSRTGHSYNYGYNHS
GTESRSSCSSCDSSCDSSSTQSTTSHHSLNRENHNLFPVATKEGISQGTSEGTSSLS SF
RSHQQPLQMSQSSLFSSPPPLRFRRATRRSSSLGSKSSATRMTVCSTIEETF SHGQEERLP
RPGSRRSLTPRRRRRFSHPQQQQQQQ

>comp2440_c0_seq1; 215 1041 2404 LEN=2666; translated
MSSHSAGSSSSGGGDPRQAQSTSSNNGNGNPNRDP SGFLNTDEYGRPSESSAPT VVKI
VGTARDDLNGLLGFCTAFNRDRERYMVRMASVDPGNSPNATVMALKPANLTKASGLETYR
AMFQQKTDPRVKRKLSEYYQQADTLCRGLPLPAGTKPEHAAGALLCVVVGLVYLLGLTR
VIMLSACLVMVGCILADDVLRHRKPWRVVLQNLPSRSNAVLSRQFPFLRGR LSDPVAAGL
VGLLVLTQLSVLSRSPAPAPRS GTTGGVGSRSGRDLSASYSVNRDVLEEFYNLGFKDS

AEGRERGHSAEEVEQLLGSSSSSSNIGDDGDIPIYXVFGNTAPAADSTVRPGVPSKNLFP
ETGEHAHDGVFVLSVPHGHADRSRLDGDFFRCPALFEHSALDATVAKGDASFFVLQPGQ
QPSVLEGSMEKMEFLQMVLLRCMESICDSRDDPK

>comp2441_c0_seq1; 590 100 1311 LEN=1494; translated
MSDDEYSAASEEVEEEEEVTDLNSDVCTKYQEASKIVNLTLEGLVAQTVVGAKVLDLCKF
GTTVMETAASKLYTKKVNVAIDRGVAFPVCSVNDIVCNCSPNDPEPESIAMTPLKAG
DVVKFDLGLDGYIAVAHAHTVVVKETADSPAPPEDEELAKCAVATYNAMLVAAATIAAG
KTNADVTKAVDKVAKAYGVTPISSVRMHQMKRYVLDGVKEVALKEPLPDDPEEEKVPDCT
FEQAEVYAVDVAMSTGDGKARPGMTRTTVFKRNVEQQYLLKVKAAARQTLAEVDKKYPTMP
FTMRDLTDVRAAKLGINECVAHGLLTPYPSLHDYSGKVCHFKCTVLLLPSTARVTGLKL
PEYFKTDVQADEETQKILAEIAEAEAKKAAKKAACKRNNKKKK

>comp2442_c0_seq1; 288 199 1047 LEN=1194; translated
MLPKISFLLATAAFLRFAADRLGTADAYNVVRVCSNKHCSKRARGDVLQTIHNLGTTGG
ETETRUVVEASGCLSHCDKGNLEVKTKDGTILQGMIDAMCAYQLGEISSASPSFPPV
PKLLVAASKVIEQSERFASEGNHREQIRYLGSVIDKVGASPLSPLTAANAHAAHALRARA
HLKLACSEGEGLPPRSESFSAASVRDARRVQDFSEVSTPSSLSIAYRTWADALLEQQKET
EDEPSKQRDLGQVAVLQWHRVQPVYRTKLQGEIRGLLANT

>comp2443_c0_seq1; 528 387 2201 LEN=3158; translated
MSVKQKAQPQRVTLTSGSHRVDADPQEQNHVTAVAKQKQQQQPPSRKIRRFASTSTS
SLVRVVFVSVLMPMVYKYHSELLPTFAVMIVPEPKQPNVSVSPLLNTSTRVSTPGAY
AAATGSQQKVNWSIGVGKNDSTQTEIHSHTTTTAEISIEVSKVALLPDNRGGNAKRNNKND
DGKQKRKRSTNLFKLESKSVSELLENDQGRAIVVLSMGKNKTHEEIIAGQQPQPQKGH
PAIGNQTQLSPLERFVFSARNIAKFRGIWVVTDAPSLDDLEESINAALDENDANTLLVR
PRPGDLLEDRFHDEQMAFYRLKTFALDYIDMDPRLDGVRIVYVMDEAVLFGSMIHETMQE
LEFMYGIGRPTTEATKSDKTIGTAALQSSGDGTEALEDAVTKVQASSARGKMWMFRANHN
SSDHDHAMESGHIVLDRNISRPCLDRWRREFDEKAAGERIVMDQRLLSFLLEEEEEYKTT
TVHKTSKPLECSIQLMEQAPYADYPSVDSIRNQTALIEHKKVRHPPMVHTGNVMRMEAR
SPEFIRPYLQDLLRLRGNEKDEKDEGLIGTDTFARPDTQEGIEETISSPTARVVAVLRTT
QQNT

>comp2445_c0_seq1; 276 224 895 LEN=967; translated
MSVLAMTRNGLKGRILVDGFALSQRARFQRSAAADKVSSTSSSLSSSDTINGGSSKVE
SDASVSTRLFSEEINVLVYDSCNVCKLEMDWLVSRLDIRLNGPDNRKRLRLTDLEDNFDET
PANGGIDYDTGMAAIYAIKHDGTIYKGVVFEIISYDQVGLGWIWKINKVPAVNRFLNWGY
EIFARNRTRKITRGTPLEELLRLNAEKKKAKAMEDCESCNKII

>comp2446_c0_seq1; 426 78 899 LEN=961; translated
MKAAIFLWQLIVSAGAFSSSPVTGVGRTHSTPLRSTETDLSPTGTSYTLGDGEEIRGPIT
PLRNFILVKVKTTLTATSGGILLPDQSKERPTEGLVVAAGKGIHPFTGIRITNPIKEGM
SVLYGKYDGKAIYNDSDCQMIRDDCLLYSGVTMKLDAVFPVRDYVLIALDENPESLS
TSSGVVIASQVAVDDVPCGIVVKVGEGRNLSSGELSPSPVEEGERVKFKDYAGNDVTIE
GKQYSVVKMVDILCSLSKEVQSIRETGGDEEAP

>comp2447_c0_seq1; 628 320 1729 LEN=1939; translated
MAKDKDKDAAAVKIQAIRGRDRKVDGLLOGLIESLMASKEGKKKSGKSKSKPKTKK
KEKKEKKSAAWCKGDVSAVEEIIIEVVEIVTVVDSKPEPTPKESTAKTSVPAKGAAPK
ARTPKVSEFDRYNQQQKQEQAAARAMARPPGLKPTKSWREPPSGGKAARPEWMEKAKSFRD
ASEKSAASSTAASKGPDPRKPPPKPQKHKKSALVNRYLEAAARQNEGEKKNENEASK
IIEITRNLEEKAKKEEEDAKREEEKAKAAEIEADRKNAGKKKWKGNNTAYQNHPNPV
KPWEKSKQPPGSEVPSGSSDADVAAPPREVPVEGGDAKDKVASLNDNLMNKTSETTTGK
MTMSTLSPPSGYDESQGLPLWWMQLVPHNTNHKGNTGSAKGKVKVIYKIDKNHPPAKRAK
LQAISEGDEPEAPKTTSNRSAPASSRKKKSGIFAKWFSRPRRRSMGEF

>comp2448_c0_seq1; 244 148 1305 LEN=1379; translated
MKKDGLAIEPPGRSGYAHVSQRPHAKHCREARGAVWKDLLAGGIAGTVGIGHPFDTIK
VRFQGGHTPPEAKRAGIPTARTPQSPYRGLYRGLGAPLATAALVNASVFCVYGATARQW
DELFGTTTTWEESSTASAIGREAFCGGVTGFATSLICPIELVKVQLQTLRPPRQGSFQP
SPPGTLVARQILGSEHGLRGLYRGLLATALRQTPSLAIYFPVYRSLKDRLLGGTGGTPTR
EPSWYSSALAGGLAGCVSWAVVYPIDVLKSRIQSLPMEAPARERSLRRVARQTLRNEGLV
RLMCSGGLAVTLLRAFPVNGAIFVYELASERLAPLGNPLGSNGKSVIGAETSLAAAGIG
GASSRLRGRITSQVECSEFNATADV

>comp2449_c0_seq1; 286 227 646 LEN=983; translated
MKAMRSNFKYTTVLCCFKAKKQTKVSSLEFKILQLKCKFGVDYLLVSENAPVEDLKDCL
KTALAEELSNLQEEIDDTLDEIDEKEHKVNEKISRKSADELFGPNKNTVRSKPKQKKS

RVDNSEKESDWRDDDGSEFK

>comp2450_c0_seq1; 709 233 1876 LEN=2085; translated
MRALSVFRYALSWSLRFLVAASASASASAPALSRRFLRSLQQEQDAAPPVVRTDLLR
LVFPFIQIAIRDETTGEEAEVLVSEILYEGGARTLLTDTITDWLVSFFASKSTGAAGELLG
IGNATSFDSIALEMVGDASASTGTIDGQELSLVQVSFEGVSLWERTGTGTAPMEAENVELI
QRATFLEDKRLRDDLQAAIASLLYDLGLETTESITILDVRAIYITPPGSILDGSGGSDAQ
PTDSAGTQAQAGDSGADQNNLEIIIIIVAIIVVACLAFALLIFAVVWAWRADRNRDGRSSKS
SSASGGRKRKTKKNAYDSVRDDAEAAAAAPAAGGKGRRRGKKSTQQTAKQQQREREQP
PPQTRGSRGIFSKKNRESPEPASSPSRGGMVIIGDITGGRGVSDISDNETDDDDTAGNAT
NDSYPILQPNDSVSSDISSSLTAYYKSGMGYGGGSGSKNSGRSGARDFNDAASMSMDS
YGYSLDGYAPSLGPAQGGYPVGPMPQAAANAPIPIGTSQDEELANHDDFEAIRQLQEDESI
VDYQAEA

>comp2451_c0_seq1; 226 77 1432 LEN=1674; translated
MIAYRKHLLARNRGTGEKITLQPPTPGDAKGKHTRTAGLSSCVRRLLAMKFRFYSNKTMF
SIKTIALVVLALVCVGIWDRFFYRTGCVRLGGDQPWLPSLSSPLLPPHPSTFAVVINTY
RRPERLRKTVRHYAETCGRRYGVGRVFWVWADQHIIEPPTDDFFWGTGGPPLRALQGYNNG
DDTATGSDANRVPVEVLKHKNSLNVRFEPIQQLQTRAGTTSVFMVDDVVRVACPSLVEA
FSVWRENPDVMGFYPRALALPPIRKHDTPYDAPAGHGDLHYHLWPKVYLAQKFNIILTK
ASFLHSRYLELYTSDDSFPREIKDYVDEHMNCEDIAMSVLVANYTNQYRTTSKDHTDGGST
QNPSRPVLYVEGVSVDVGMFGGISSGPHFATRNTCLNEITSIVRARGWGSPLERDFDLV
ENSCGQHSPGFWWQSAPSNSLEWLGLVNVLS

>comp2452_c0_seq1; 392 175 1065 LEN=1481; translated
MKDVKELADNVEDLKNMGMMMDLAFDGMWSFSGYCGMMVQLAHFFVESKQGREENKGF
ENDEDEDEFLFVGSMDISAEETIIRCQENLEERNLHMADGVLRRRLVEGCCPPKIRITRL
DEDTLKKLIDYKVGQGNHFFGRHEFREAIDFYDLALSSIPETQRRLYIAPRNQIQEIVNVL
SNKAECLLRKVYEEAAETATDALIFMADHEKSRIIRAKAGLEIGKYDRYEATSRRGDGSM
TGVAFLVQSKYDLEEVNAPDATLVGRQTAEIILHQVDKLLKGAKKKVLSKDPNPEW

>comp2453_c0_seq1; 413 1 1026 LEN=1079; translated
AIALDSNIDDNDNDGEANDDGEGTSSSPEGGRNVTTMLQKILSLGGSEEEGENGQAEAE
APTPTPTPPVEPEEAETDPEYVDAVVSGASSRIPSVQHNGRLVCNLPDHP IHAGATAVV
AVLTGRILT VSNAGDSRAVL CRRRAGANPEANAGSDCYAYPLSYDHKPSQMHERNRI
LRS GGF INHFGRINGNLNLSRSIGDLKYKQVPGIPPAHQMITAEPDIMQIALDPSVDEFFVLG
CDGIWDCLTNQAVDFVAKRIDTMSPTIEIGREMLDEIISDDPRVVSQGGIGDNMTVMIVDL
QSKKRSRKSAAPEAPQOGEPPSAGEPAGAEADQAEAAE

>comp2454_c0_seq1; 463 125 1195 LEN=1495; translated
MNHTDGQPHRRNKGYRGEKTNNTKNNDDEIGINRKQHDRGTHCHTHQFHFRMKNILYS
SATALLFIVLTIYQFQDYFDERLQDKYWRAMLLPLRYLRVKFMDQRPTRPKFTFLKATR
SFVINLDADKKRWRFFQESNQQLQSITRFPATSLQTIHDDEREHYFLEKYQFLRNLIKN
EGKGSAAACAI SHLKLLEFVSNANTANDDDYIFVFEDDALLTSHLLQYGFVVGPDNADFILL
SEYSSAHIYVFPDKTDVNTNVNDLSKKSLEENLLQNYAEKINTATRVVSGYTAIGYIVTR
RGAKVVLDGMKKEEELPVLYFFANPQIKAYLPLLGWPLVQHHQPSQSVRRDKNKE

>comp2455_c0_seq1; 298 128 1067 LEN=1067; translated
MEHQEGDDVSSTAELILADLCKKETEAAELKEALKNLLDSHVRTKRRHAKELSEVHKQYS
KRLVQLEIDLETHDIHFTNYAKDQMGLETKAILEDKKECAWKKPKSDILAQQNLIKLI
ENADLEHRYKRDCTGHNDRIELEENENRWLRRLRRRVDSSSSTGDAESAGGQALLETDS
NCSLVVEKEYEKQNTPELLRSVDELKEKIRSLLELKHVLAGGPTNTKEENGKELSCNDKDEKL
KDCKIALLLSKAIAYQARNIWPDPTECSAPPELSSSSSTAIDLKEQIQELENILIRKDK
QLRSQSKRYRKRTRX

>comp2456_c0_seq1; 330 196 1176 LEN=1235; translated
MTPLNPRRTLAILAILLQGAESYFNPVYALPRSLSGELFAKSAICYNNAYGSFRIRQSS
PITSTCTKHTGSDFMKFPQPTTSTSSSLAVMNPVRRRSETGNGGRGTSPAFNLNFTLNNVG
TLTESLVSATMKSRLKHWWSFPMIMALIPPYCVLFRGSYASMPHWWGVNMDYVAAAKNA
NLI IAHFLGSNIAYAASGAYVLHKFHFFGRSKSGGLEFRLSRFSMLGIWILMAGMVSTIF
HSVQALGSYALAESMCYLDHAVAGSATFYFADTCGAPSKTTSIIGALALMSLVMSSPAYA
WIHSCWHYLSALVATRWAIDGSARMH

>comp2458_c0_seq1; 200 1 640 LEN=919; translated
XNNNNNSRFAPERIRRVSSAGVTDRFVPGRENTDHHKHDARHTVVPRTGLALAVAPTAS
PLPSVRDVLGRGRPLQKHPGNLRLRLMISDRLDEYESSTKPEKTWLAEDIVKEVRAGG
RFLQKRKPTENAKAKEAGPGICVGVGVGISGERKNAAADDDTVNDGTVECGWEEVDDHTA
RLKVA YTFRTLRKTKTKAKTREPRQQQSTRAKP

>comp2459_c0_seq1; 390 113 1255 LEN=1963; translated
MVAAILTRGAFLLKAAALASSLTISPSSPAVDFDLASGTQTGGVVGTAQPGPFPSVSSSTVVG
TIPSPLEDRQYAAAAAFVRRREITRIVREENPSMAGSILRLSFHDATVRSVASDPSIGGAD
GSIRYELEWEPENRGLAKPLAVVTSVYEEQLVRFVSVPGSSPIEEENAPLPSCLPSFADTLA
LSGAAAVEAAEGPQIPVRLGRRDKEVADNRFLDRPIPGFTTMDQGPGRASITSSSLPSAG
LDSLGLRNYFRRLGLTESELVALSGAHDLRHVTTLLGMRKDCLRDLTRACLEDAPVLWPF
VTKDPDTLSNRYFATLLRWKREIERGEASFIPTDVALVDDGLKRHVVAFAKDEKLFRR
RFRTAYQKLV DSTASSQSRF

>comp2461_c0_seq1; 212 224 823 LEN=1482; translated
MSETTSTEPKPTAAMAKRGTKSEEKVKPDTDQNLCTATNNTNDQPSLNKKSVRFGSVFVR
LYGITIGCNPATSLGASVCLTWDYDELLPEPLDTRREGKKPKRKNTPSTFYLSYRREG
ILKRAGFSKEDFDRHEKLIQRDRLKRKISTYQCYPILFAKSFGLSRARRKSRTFVKKYRK
EKRNKKKQTINKPKEQARQ

>comp2462_c0_seq1; 397 273 1074 LEN=1333; translated
MSTEETNGGSGASDLPRIDGSETIGSTRWLKLETLSYTDATGSQRKWDYATRRTTKASKSS
TDAVVIIPLLKRPYKKEGETGNEKDEEDKDDVLDLTLLEQFRPPVGRATLEFPAGLIDAG
ETPEQAALRELREETGYVGEACRIPPVVSQVCMSPGLCDETVQCVVVVVDLNDPNYNDPS
GALFEATPDEGEHITVHRVSLKDGFTLLDKGSSPMAIMGLYLFAMGLEVGKTMGKESTT
ASVNGAHESLDMALVDHGIVVVRIEM

>comp2463_c0_seq1; 301 1 1066 LEN=1085; translated
XSKLSIDLIVPLISQEKDEYYYSMKKKSKSKTNRKESSEVDTMDSPPVAEESTPIEDKLER
GNPNVEDGNAETSIFSTSDGKYRNKQRCLVLCRGATARYRHLLLEDLRTLPHHKKESKL
DSGKGGAAATAVNDAIQIRGCNTVLFMECRKRQDAYLWLGRGTDNMGPSAKFHLLTNVHTMD
ELRLTGNCMKGSRPILTFDESFEKHGHLKLLKSLFTDVFGTGPRGHPKSKPFVDRVMAFY
ADKKIWRNYQIVVEEQPTNALEAHQAKKLSGQEEESTSLVEIGPRFVLNPIRIFRGSFGGQ
TLFQNPDFVSPNEIRAVEKKRKRGRSYELRKESQKMRKSRQEDYVLPEDPLNSVFR

>comp2464_c0_seq1; 475 67 1827 LEN=2194; translated
MRYDAATPSTVFGADDEEKENPDTVDLTKELLGLSFKERNAFQEEIHGVVCLAREETP
SLLKKSLERLQOEIDVMPDCRKEAYLKSQTLANVIKNNSPCTTYVNTDGFRLRFLRFEL
FDATKAAVRMTKFLDVIDIFGEYALQRPRLSDFSKMELRNLRKGRYQFLPYRDRAATC
GRRVLCVFPDQEWEAIPPRVRNKILYLVWVAGEDVNTQKEGFVVVCWIDHTFKVSKSIK
VHTKDHQTLTVRISALHICSSDTPHRFRRAI IAMRIGHNRSRLKQHVGESMELRYALQS
YGI PVDQIPITYTGKVKVYFRQWLRLRDFVEGNRCDKINHSELRTNQVDDNNQMIFC
CDWNSCEDKSNNGNSCICYTAIESPYLNDIIFRKGANTSSHGNAVMSRLIADKTRQELY
AQHEQQLVGENNKRKMKLKFVSEIIQEIREKNSTERRMCRFLVWDERGWWTEILNEYDIQ
TRVEYIARGIRNTVTKNYRSSTPLMQSPINMGYKAYIVKEDERMMLGAFATQRQLKDDA
MFRYQDFCGLDKRKRQKRFKAMTNSSGDGDGIMMASETFRFCGSYCF

>comp2466_c0_seq1; 177 114 914 LEN=1153; translated
MATATLLSIVLPDGDVTDKIVPTSLKKSIPKLGTLRIERDGEDGHERVFATCAGRLVH
RSNTYYIKQNVQRYPLOEDRIGIVEDRVASDGAGGDIYRVNIGGPHPAMLNLRFEGA
TKRNKPNFTAGKLVYARIDTMPSPMDPTLSCQLGPHDAGVPRKDWMTNEGTYGELKGGTC
RKIPLGLARELLYPKNLVNELSKSIAFEVCIGVNGFLWVHSPRPEYTIILNAINMSQV
LTEAQVRGMVKSIVDVTNVRQIEDEED

>comp2467_c0_seq1; 272 1 1175 LEN=2330; minus strand; translated
XYDLENRRNNGDEFDLFHKEGVDFLAPSVNFMEGPYPSTDSYQKIPARTGILIHQISHSA
PSMSFSVNLMLNELSSAFLGGNGASGTMFDILPVKDINIRKIYLNLAVIDETVNVELWTRTG
THISFENKPLWLRQSVVSVVDGNGRGGKSCMDIENLPLNANTRYGFYLVLTGGRFRYTN
IAAGSVSVSNEDLTVYEGVGLTRPFGKVYQNR IWNNGIFVDVLSSEGGERSGRRLETTFD
GGSGQDGVMFVLPKHDLMDGFDLHLIDSDTVCVHVYTKEGPFTGSENKRDDWILLAKM
NVGKGINVATKVLLDHSDVITLKKDKLQAFYIFIENGRGLRYTEGHGTGNPVRSDDNLT
IFEGVGVASQFGSIFQSRVWNGALHYRIKKN

>comp2468_c0_seq1; 171 1 720 LEN=1572; translated
DTFKESRYNTVLPYELHNEEVAHNGVRVSSTVTDKFRCDLFAVKIMGIPIPGDKFPGDQR
PLIRGGDIDVRHAASRILSSVSHTTTIKLEKSNKDENDYHHYCCYTAQEQYWLLALIVA
SMVCIIVHLRNGALYGD SHVQIMSCKYARIRYVLLGMSTIAAPILPFEHGVLVIAMLGNG
FHLFEVIRSHDTTTTVYQKLETTKRHEKRMPLIDTSKYVDDCSGDLKIELAVKWDSTA

>comp2469_c0_seq1; 224 77 1258 LEN=1436; translated
MSQHESTIDERKSDYKVTTEQPKNDQVLSVEDWNDAYLAHQYRLSLPSSPTQSNFRVLAL
LFYEEKYDGNNGSPMATSHLPWVKQMVGDNRNFI VGTNDEPGYIGGAICAERAAMVQLRFV
PAFRITKLV IATDCETVPI SPGMLCREFLAGHGESVPWDLKVIISTGSQCTRCKRKDEDII

RPLKGLQSAKEDGDKSYCCIEGHEGHSPLTLRTTIAELYPPSPYTRLTASQSVALGTKF
GESSHRNRHLDYLDSTAKRLLLELAISEAQSVLNEAGRENHP IHFGAAVAFEDQSI STSN
QRSAL EYGC SLDAVSQ LVPY IEDSDCPPVLIVQVDQYGVVAHSPFAPARAYLSEHGYEDCR
IIVHSTDINDVTCLDKWDLIKVRVANLAPTPPAW

>comp2470_c0_seq1; 230 71 613 LEN=613; translated
MSDTEVKTGEPTEWKAYSEYAI EVDPDQDDKAKTIKLC SLARPHMRAFHFSSWWGFFVAFV
IWF A IAPLLSEIKVDLGLTKQE IWTSSIVGVGGTILMRFILGPACDKWGARIPMAVVLCA
AS IPTACTGLVKDATGLAILRLFIGSAGGT FVMCQYWSTSMFCKEVVGTSNALCGGWGNL
G

>comp2471_c0_seq1; 352 1 1614 LEN=2008; translated
TTPKPSFAQSHETKR DHCQSIARES VRETMVDSGNQD SPVMAKTERKRRKITV VQKAVFA
AATVTTMVTAGRLCSSSSSAWSSLFQRYSRNNSMDSA HGQTHTYLQTNERRRRLGE I EAN
MENDDFVAESQKKHHPMFVSDTFTILGPTVFPKPTYVYGDDVP SDKDLVTYLQPTSGSH
RPRDRSVFVFAAEYKFDTYVLF LMSLYDTGFRGDVVF GISKMDWENKEVRKFLEHWQNA
GKDEMTVVVYVVPYHCYNLEGEVVP SHRGGMRVCKCNDMFGLRAKGGDPDAPTIP IADKR
HGRTAQTIRYELYWIWSEHYDPDSWILLIDARDTIFQQT PFGRVPRRENHGDDGGVLIFF
GENADATSLGQSKYNRKWLTLAYGESVADAFYDKPTICSGSTMGEQKAIETYLR AEVAES
DESKTVIFGADQGFHNLYYSNKMANAE AISQILVQDQGLGLVNNMGALRDKPLSEWNG
RMLQEEASEAHPQNTVFNWDGTVSPIVHQYDRHKVLSKWWCKTKYKEYKNRWNEMKK

>comp2472_c0_seq1; 456 350 1549 LEN=1687; translated
MVLYGQVVAGPPGSGKTTYCTGMQEYLRLLGRNAWVINLDPANEVPSATK KSTVEKNGAD
VEGDEKDQDEFENDLPYECLLDVCKSVVNLSSVMKQLGLGPNGGLVYCM EYLEAHVDEVV
DMIEEQIREQGDNNAYLIFDLPGQIELYTHGTAVPRL LAKLVKVF DLRLVAIQ LIDAHYC
TEPANFLSAALLGTTVMLKLELPTVNVLSKIDLLANYGPLPFSLEFF TDCQDLERLVPYL
QQQGFDFLNENEDDFTISTQQYFDEDNYADDPEYQRARKIKSSSPFFRKHTRLHKVMAEI
VEEFGLISFLPLDISSAESVGRVVAIDKCNGYIFTQQVRGGSGSSSSSANGSNTTTAAE
DLFQCALESEPSNYEAIADIQERLSIGRAKGGQSGRRDT

>comp2474_c0_seq1; 485 320 1525 LEN=1600; translated
MNTSNITKNQSVGDMSDVTTVASSLGGSFPPSPASSVASESVRSWMDTELVEPHVGYKKV
LVTGGAGFIGSHVSEYLLARGDDVVIIDEMNHYYDVNIKESNLKLLKESYPEEGRVTIYR
GDICDRDLLERIFETENIKWVCHMAARAGVRPSIQDPFVYIHSNINATTHLMELSHKHGI
QNFVFASSSVYGGSKSTFFSEDEVVDHPVSPYAATKKACELLGYTYHHLYNLKV TGLRF
FTVYGPRGRPDMAPFKFTDRIYRGVEMQQFGDGSSSRDYTYISDIVDGVVRAIDRPYDYQ
IFNLGKGDGTSLKKF IGLVQKYVGKKA I KVLDPDQPGDVPYTCADVAKAKHLLGYKSKVS
FEDGIKRTVDWYKRSYATQNEQKNECQQTIPVVQMAQLAV

>comp2475_c0_seq1; 323 135 1111 LEN=1155; translated
MPPKKRPAGSSII VXPNEEEKSGSFRENKGGIKYAFRRKEEISEGWCHAALPGFTGPTEAQ
ARGIEQNNTRCIPKAEKPLL VQVINELSKASKL KMEKSGVDNDLYYTLVSDEVAQKYIG
LDVSAKMVLQCI EKAGNNGIWTKEIRMQTGLQLQGLNKT FQLEQRCLIKPVKSVNAKAK
KLYMLYDLTPSKEITGGVWYSGLEFDHEFISELRTFVMHCVRKLN GGKGVTLSEIKKKTE
QAKVSRVELGVDDIKQLVQTLVFDNYIEEGYRNDSD EVCYVYARPVSTT CDFKWWDALSP
DFHFRAIKFEDGVTL LPHPHHHTA

>comp2476_c0_seq1; 409 142 756 LEN=1022; translated
MTTQSDGLALSGKIITSENGKSTVNSDNENISEKDASAASGKGS AVKKRNDNICNQNAVQ
DDEDDQMMDIEVPSGMVFL EDSAGDDGRINLIQQKHHTKNLPQKPAVNLQVDDRAILDC
WNLTVASHEAAMVVTATNPTNTSASFSSPSTTTTSLTSPFVTLLENEYRWN AKDKASTA
PDATDVFGSWEPKPLALPIWAI V P

>comp2477_c0_seq1; 516 71 1384 LEN=1443; translated
MLKLS TTVLRRKQREILRRLQSTSAKSASECMELEDKYGAHNYHPLPVVLSK GAGTKVWD
TDGKEYFDLFSAYS AVNQGHCHKPI GALVDQAQNLTLTSRAFHN DALGEYCEFVTDYFG
MDRVLP MNTGVEGETA IKLARKWGYQVKG IAPDKARCLFANNFWGRTLAAVSSSNDPT
AYNEFGPYMPGFS LIPIYNDVESLEKEFEKDAENIAAFMVEPIQGEAGVMVPDDGYMRKVK
ELCEKYNVLLIADEVQ TGLCRTGYRLAVDHDGILPDILVLGKALSGGVLPVSAVLAKEEV
MLTLKPGEHGSTYGGNPLACKVAMTALEVL RDEKLAENSQVRGEQLRSGLEGLIGNSSVE
HVRGRGLLNAVIINQPKGGYD TGKAWDL CVKMQN HGLLAKPTHGNI IRLAPPLTIT EEE
IDQCLDIFERSVRE LDA

>comp2478_c0_seq1; 864 100 1791 LEN=1886; translated
MSETKTPVKEEPKGA AFTEEDIPEDATWGEVLQSCCVHSPKEWGLIFIGVCVVVFFLYFF
LLGLDLLGSGAKVMGGCAAGSLFGDDTNPVAGLMIGILATVFLQSSSTTT SIVVSLVGAG
SVSVNQGIYMIMGANIGTSVTNTIVAMGQMGDQQLERAFAGATVHDMFNFLTVAIFFPV

ELITGYLNWLTGLCVRNFTARDGEKWWGPIKKFVGPLTKKII IANKNVIKDVAKGGNCEE
YYPIECEDMSAPTKKTC SRVGI IACDKGTGKCPAFFDANATLADDQVSGIAAFVGLIIL
FVCLFGMVTMLQKMLLGISSRI IYKATNINGYLAMI IGVGVITILVQSSSITTSTFTPLVG
LGVIRLEQMPITLGANIGTTITALLAALLSTTEALQVALAHLFFNISGII VWPVPFMR
NIPLNAAARHLGKATRMWRGVPIVYIILVAFFLIPLALLGISLLFTQGSTGLTTLGSLVTIF
LLGGIIYFIYWFQFTGGKNSIAECMAKRQTRRIAIEDLPSDMEALKAKIQSLEEHTGLLT
EEPEDEKEAPEEAPNSVSAEEQV
>comp2479_c0_seq1; 109 330 551 LEN=551; minus strand; translated
MTARGWFKMTGKSNSGCHPLNGGNTENIIGSCLRFRFRWLSSTTDSTTACFTCIYFPISS
SFHMTGDGMSYLFM
>comp2481_c0_seq1; 435 156 1370 LEN=1431; translated
MPAATNSGGGGGEQAWLGLLKWTLAHTDGRPSSSEPTMMSDEDKAFLEKVM AEGIIIDE
SERMKFVLQEF SKAMEYYKSQSQSDGQEAPTTSTTTEEKEQEPLQPPAPPNEDDLEELL
QELRDIVEQVDYARGFVN LKGC RYLLGAI APEVPTTIRDA CLGILSTLAQNNPPVQKEL
VELGSIKVLSDLFLSETQTDADADTATESGTRAVPLSTKTRTMQALSAIVRCYDLTEGVF
EGLPQAPAMMVQGLSTDPNVSSLSLRTKTLFFLRAFLTSDLSTPARAQAFRYAIAAVADT
DSL YLKASDESGNDWASIQLRESAVSLLGQLLERRLAVG LLLQRKQHLASRGVQRIRELR
ACTGEDAEATRTELQQWEAFL LLLLARTEPEAPEEGASEAPK LLL
>comp2482_c0_seq1; 245 1 1537 LEN=1537; translated
XNSHNN TVPDQEKVREQQKDNKNDSS TSPGPLDYLVAPPVILLCFHF PYLLTLSASTGG
FMVSW SRLGSLRTAATNKIVQKYESEIGPVVLNVLD FGAIGNGIDDDTD AVRRALQ IASN
LAGGIVATILLPENHTFSTG PLNLTSHVTLQVDGTLRALNWTET TWPQIPPLVNYGRAED
GGFHLQYQAFLYAVNAHDIR IIGKGMIDGQGPWWDA AQNHSSLLKAGRP NLIQLVRCRN
VEVTGVM LKDSPFWCLHPVLCKNVHIH HIKIRSHMYAFNSD GIDPDSK NVLI EDNDISC
GDDHIAIKAGLCGKTAALDCGKTK EFNDGTYETVNV TIRRMFRIGMGISLGSECSGGIR
NVRVEDNVIGFCHPGHCEVGC CGWSPALHLKTTGTRGGHMKNILFANNTI HNTTSVILVE
TDYQDDGKDRNDRPTLIQNL SFQNSGVGTAKGIRFACSKYMP CRNVTF LNNKFD PETS V
ECENVEIDQNQNNICSIKTLDDFLTVNNK L
>comp2486_c0_seq1; 460 129 1526 LEN=1779; translated
MLSKATGDKASRAVIFLSRLHPTRRAAAFATFGYGYDRESRLSFSSPPSSIRRQDENDSR
NLPASPAQNDVPIDFAVSSKIEGEESQIATVTVRPGERLRAESGSMIYMTQGVEMATTLE
GSSSAFKRMMTGQNI FLTDFTYRDTN NENEGEGKGTVALGTD FPSKIIRFSLEEHGGS LIA
QRGAFLASNTTVDIQMEFTKTMTAGFFGGQGFILQRLV GAGDVLIKAGGTLIERELEEGE
VLRATSGSIVAFEPTVSYDIQMMQGVKNVVF GGEGFLVTTLTGPGR CWLQGMPPDRMIAE
IASRIPSGGGFGPVI PVGGMGGTGGGAEGAEGGAGAPIDVPGTTD VDSGEEIVAAANEGL
PIDQEATTTMDDASTTFSNAVSSEIDDAFQETTFQDDGTD FSGPSFSDDTSFSTGNTFRD
ENFEQQEGEFFGGDDAEIFDSGATEEAAEAGSSILTTLWDIFNGD
>comp2486_c0_seq2; 460 129 1526 LEN=1938; translated
MLSKATGDKASRAVIFLSRLHPTRRAAAFATFGYGYDRESRLSFSSPPSSIRRQDENDSR
NLPASPAQNDVPIDFAVSSKIEGEESQIATVTVRPGERLRAESGSMIYMTQGVEMATTLE
GSSSAFKRMMTGQNI FLTDFTYRDTN NENEGEGKGTVALGTD FPSKIIRFSLEEHGGS LIA
QRGAFLASNTTVDIQMEFTKTMTAGFFGGQGFILQRLV GAGDVLIKAGGTLIERELEEGE
VLRATSGSIVAFEPTVSYDIQMMQGVKNVVF GGEGFLVTTLTGPGR CWLQGMPPDRMIAE
IASRIPSGGGFGPVI PVGGMGGTGGGAEGAEGGAGAPIDVPGTTD VDSGEEIVAAANEGL
PIDQEATTTMDDASTTFSNAVSSEIDDAFQETTFQDDGTD FSGPSFSDDTSFSTGNTFRD
ENFEQQEGEFFGGDDAEIFDSGATEEAAEAGSSILTTLWDIFNGD
>comp2487_c0_seq1; 346 1 948 LEN=989; translated
AVGAAVGATAGSVRSHSLRWMVAGTSEKTTENNAALRDQTTEQKRGHGSNSTGRHRSM PA
SPDRHNRWNEMYRRLFRYKDRVGHANVPQHYRTSEKDHHQKLGKWL DKQRQLKAQGT LDA
GREELLEDLGVAWDVQSWKWDKMFRL LARYQAEHGHANVPQNYTVEVRTDKADGGD GDD
RHGEASPSSANLGGW LKDLRQLKLEGR LD PTRQEKLEGLGVVWDMHSWRWNHMFRL LVRY
RERRGPSSVNTMKQSHKENGENLGRWC SRQRESFKKGDMDPERIAALEEIGFAWTVAASN
KARKKKNSAKRTRK
>comp2488_c0_seq1; 227 139 1002 LEN=1345; translated
MRSTSRIFYITVAVICLVTTTVDGFAALRPGVTSTTKITSQLKSESSTTANNLAIVRQTQ
LFAGSNAGVVPGIGEECNLPSVSGINTKDDL TQAFVVKVFLSLALGTFLFSSGLEQCS
GFLDSNFPSQYEFFRNTWPI SFGLIFSLAGVTHFTLKEEYENIYPTRGAWGVWYLP GSRA
FHVAWTGAAELAGGLGLLAAGVSSFAGNP NLAPLTSAGLES DSAAALFLLVLAVTPANIF
MFTHGAKLPMDSEPLPVSFHGVWRWIMQVVLLGFLYQMGQETFQALLS
>comp2489_c0_seq1; 505 114 1469 LEN=1748; translated

MIQQHRQLSQRLVSMPAALMVAASYFLLLLTPPI SAFLVGGTSTVLSRGSLSVATSSSLQMT
ATNGARIDQHEETKDDNDYDVVKVDLTDGRDYPYIYIGTSFTDEQISETLTSHIHGKQALI
ITNDKIAPMGFLEKEYEKLLAPHKEVHTLVLPDGESNKNLEILQLILDKALEEKLDKCTL
IALGGGVI GDMVGF AAAIYQRGVDFVQIPTTVMAMT DSSVGGKTGVNHPLGKNMVGAFHQ
PQCVFIDTDSLSTLPDRELQSGIAEIIKYGLIRDRDLFEWLEVNMEKLLNRDPEATRHAV
KRSCENKA EVVKADEKEAGVRATLNLGHTFGHAI ESGSGYGTWLHG EAVAIGTAMATTMS
AQMGWIDNELVKRTYKLLLEKAKLPTDLPLDSPMNREIFLKYMAADKKVANGQLRLILLKG
ALGNCVFTGDFDQ EAMIDTIDEFVAEC SGAQ
>comp2490_c0_seq1; 160 179 505 LEN=766; translated
MSSTSNNYTPPPRDTAAMKDTGREGRLSFRNFAENQLKKEFKAEAMKKCDLQIGALAECI
KDEGLFAPFNCRPIQKDVDECMVYNSAERFKLYVKEHEDELQSKPFV
>comp2491_c0_seq1; 424 1 1025 LEN=1082; translated
XGNNGNGNGESESESGPPGECKLAYRKFLSSSDSLSQGWKDLYIDDYSLFAPVTSRED
DQMADYFNRPDVRSALHVTDTEQSWPNPDVGF SYTK EYNACNWKPAEFIRYPNTTMDV
YREIIPMLDRVWIYNGDTPCVSYEGTREA VKQILVDEL DGGSYRPFYQQEAAASLDVLA
EKSVLFGPDLVAQTLEQNQFAGEVTSYQNGLSFVTFHGS GHMVPQFRPQSSSLHFLK RFLY
AADNGSALSPLLPTNATLLAMSDDDFEQAMDDWTESARDELSSGTSRAGHG ANRAAGTPE
GRKERTNPDRGNELAAIGGADSLES LPASTNDSSTINVCVG
>comp2492_c0_seq1; 991 171 2657 LEN=2935; translated
MNDD ETETIALAIK TLEKGVSRILKRRGETFNDNSRHR IQMLIEHARHV LLELFKRRSL
KAFLRWFHKEWVRIEIDLAKHPVQILQHSMQHFLRCQDAFILLTSGECRHEYDMKLAKKT
KFRSRLSTLQERDDGYTALYKGTGVYSYGFDEFNNEIVGIRALLVKELKKYHKAPWDYL
ERQGGTELLENLLDQHEREQKELQHALQSLKRLMIENMTKRLKPKNLKFATQDKLERLSL
STKGQTIDLERRGDAFQIDGPLL P NENKNPDDWHSFSLEIKEEMDQSSIPP SKIQRRRV
IIDSDDGSDNDDEREDAPKKKGRQNNKTSQASGLVVRVDS SRTNAEKEDSLAAIKSQVG
ISTQDLEQAREILEEENASTKKVFEDEKVLRL EKI LRRV LARDEIDENEVWDARECLRYA
CMEAGNKYLWDSSVGCVEKAIENFEKAKEIVELQOKSQQKVTSS EASL FVQLNLFYLHGQ
ALVNI G ISLVDTSHRSLIPRVKVMRAIEEFEGAKKQMAKLRSLAGHTSQSTS RASVKEA
NSYILKSKQLES LACRWMGRGLWLI SEEMKAVTSFEEASQFLNDDILRKWQRDVYFEIDV
FDITAEAIYATCDLADRCYSMM EALDHKSPSSRKKGHDLLEIITRALNRHIGIIESIELC
SSPVRTKHFRDEYDISSIEDVLLYRKNVMKWKWEQCENEMNDVKPNQNCNSRLPESRSDS
SSLKTKKILTSDGSRRKRYEKRRKASSHMHGNSNNSQDFGQENDAVYALSGHYQPRPPV
KFRRWGDEYLIAQQQLAKSECD DPHEETNSSFLTYP SIAPPKPV E FQV
>comp2493_c0_seq1; 228 61 816 LEN=1209; translated
MSTILNESTQTRMLEWALALFSLTVLGCVMYKKS RFGAESE DIDESIHPNPTANTTTANR
KNVPKWEQKRRAVIFKLFQTEHIQERVTC SRIRRSRSVSMGSATT KDSESLDGEEDRED
VCSLDGEEDHGIVMVGADGVHSDGGTEPDDTDIETGGDPGGTGGKPVANLCAICLEEYH
EGDTIVWSSNKNCRHAFHRDCLTSYLVKINAKDTYESYPCCCRQNF FYEDRGDGGKQNA
SASTGSEEEEEV
>comp2493_c0_seq2; 181 483 938 LEN=1331; translated
MGSATT KDSESLDGEEDREDVC SLDGEEDHGIVMVGADGVHSDGGTEPDDTDIETGGDP
GGTGGKPVANLCAICLEEYHEGDTIVWSSNKNCRHAFHRDCLTSYLVKINAKDTYESYPC
PCCRQNF FYEDRGDGGKQNASASTGSEEEEEV
>comp2494_c0_seq1; 825 117 2087 LEN=2570; translated
MAVKNIDSSSGIGDYRPHEGTGR LMMFMGFVAIMGLTFVSQLRDYHRTDHGGGGRSNAV
HLSQPSFPAADSKIAAGAEQMVEHLQRQAEQIAAETAMLLVPKGLSGAAEAKPEAKPEVK
PEAEPEAKPEVKPEAKPEDPPKPAEQKKPRRLNVALFYADDWTMKVLGKLDKNVKT PNID
RMADNGMI FTNNCVTTSVCWSSRSTLATGTYS AVHKHTFPFQEADFETEHWTE TLYPLMK
RRERGNYYTGLFGKWHKLEKENELNEAFDESIRYYGSHWEERNGKMRHVTELNAADSLWF
LDKWDSRRRQVPATPEEGD LTKPFFLTTSFFATHARDGEFPSYQPLNATREIEYPDSVI
IPKPKTATKQHWNDLPHFLRH DGN EGRTRWKKRFDPE SFQANIKDIYAMATDVDAAI GTI
VDKITQLGVLGETVLI FTTDNGNMHGEHGLAEKWYPFEESLRVPLVIQDPRMPKERRGTI
SEAWTLNVDLTPTILGVANLPPSDFMQGRDISDLYLYKDEDKEKALSNT EVADKVAWRKD
WYEFNLGMKDDASDHPTNFIDASFALVTDEWKYVWVPQHDDYEQLFHRSVDPFDEWDL
LNKVLRGKNEEVEVEGNGD TVNGPFKDTVQTT RKM YEEMKQRYAELKKAQAGERI
>comp2495_c0_seq1; 391 295 1854 LEN=2052; translated
MAFSSAGEAIVNAGEYI LSPLKES SPSSRRNRVNF FKEEDDTEKEPPQVDIRPRVDGTGI
ELVANNDHCAARKENTNNKLGTSYLRGSMLMFDPIAAEAENGELEAMNLRVLRGESLPID
RTRVRIGVLNREGAAVDQIIGSTPSSEGT RDP IWGSRTCSWTLNAKESTKLLFTLVAADS
EKGSKVETKTNGAIKFCAEISVADLLSKRNP NFWINLKNEDDPCSSNNNGRIQIRLTRPT

QAKLHEQETCLRISP GPGLPRVQSYAIRKMALYSCSPVMLNVYDVSNNPRIQTVNNTTKA
LGYGGVFHAAIEIQGKEYSFGGTVDKSKVSGVFQCAPKQCPMHSYRESVFLGDSEVNGQ
QIQSILAE LRPKWLARSYNLFRKNCAFFSREFAIELGVGDIPEWVFLATTAETIEPYLQ
KLNAYLKSRTNAASPKRITKSTTTTSTKQKSSKRVSIDTDEDIKAHEVAKNTQEALLDH
AMAARIQRRVRASNRRASMYRAQTQLKIEPVGFASASA
>comp2496_c0_seq1; 257 150 1211 LEN=1596; translated
MPNQFFITSPEIATVQSGQAYLQRTVVIVLAVACIGINIFNLRADCRLVLFWTVDLNA
YELERTANVTNTVSDVLGVVGIQLDNSNRNFDILDYVEGDDGLYFGLNGFAFVNSKSSE
YWNKKYKCVPDFSLPETKITMTEEDVKFFDSIKTVAILSSYFGFAGVLCAFVEFLFCV FY
PSVIAGSVFLALAAF MNVCVYLLLYLGSVECFTAGMCKPDLNFFSYLFTTGGFFFFASCLL
VFGFRTPWF LKRNRPANCKVVEADIVDEEGYDRSEHQEEQGGVPIEAYRELEEEELAE
TKRRMLRAERELQDYLAQKAGKTS PHTGRGHTE SNASNDKRIAFRHYGSQP AE
>comp2497_c0_seq1; 497 574 2205 LEN=2441; translated
MLGEE SAKPTDGT P SSKGIFMWFKEIYSTCLLIFCSIIVLTVIFEKNTKISEATAWGA F
FLFWIALYWLSMVEGGQASLVGLP PVDMELYKESHPTTHKIMAI INKGETLDRYLMGRQF
MVLALVFVENLCVHPIDASLSILGMP IAINKIFLDTGLAVFFMTAMIGKISAQVNASRCM
LDYVNNFFAYFTMQTARLIEVSGLLHCCYPVQIFFAWAAGQPLESKEPPRSLVQNIFFWA
RVLVSTAILCF AFAVTLYAILNGQT TMWEGVPSWLTILLFFLFMSVVMLEGMQIAFFAV
ARMTEAERARSTWAKRTCDVLFEGDGRNLP GFMIGRQMCVTLCFFI IARVTTVQLQAGDE
NIFGVSDATQAFFATGLL GALIT TIVASIAWQLVASAFPMAFLSTPITYVLLRFCLALEW
TGICQGSWVARIHRKIVKFKRDEVYIGTAEERAARAKANPSKFEEDKGEKYDVVPGHMY
PGVPTLPPDFKGVHRSLEEIEDLERD LLSRQOEIEGR LAELKAQKAILIGNGVESTRSVD
VEC
>comp2498_c0_seq1; 346 1 1744 LEN=1988; translated
XRF P SSKISDLGYPESISFGVIFDATTMKYFRPQQVLVGLSTILAF LASTCRASFPANET
TYLNFHIPTSLRHNTWPHAASMFGRMGHGPEGLVLPVKMYVDSRYLCNDNFDFTEVNK
QLKIPSDGGAPFILLVESGICTFVKVRNAQHLGAAAVLIADMEHEHLPDNL ELSGDI LH
RAHPHHDTSNHT EHRNAFRMADDGSGRDISIPSMIAKNEYDELKKVIDSKPNSTGIVVA
EMSWHVPKFVNKVIDLDLW HSPADMHSKQFLASNFSVIARTFDLNEMHGKTHDNDSYENM
NLLQFREWPVLLDGKALGCVGNTDAPDEPCYLLCTNGGRYCHASHHLDGKYIVKEALRR
MCIDKHYKSPKFHWDYIDHFSKFCWDSDYFANEKCI EDAYKHSKIDKKVIESCFDDSGDP
ESDHSNALLQHALDMQLKWGVHKS SVTINHEI SPLVEFQGLTPATILSGLCDAFAYGDK
PHVCYACQHCGDPVKCAQRSPMKCLSTDGVEKEDTSAHKEVNGGGKHKHKKR SFFWRHFF
IGVFVLGGLAGGYVYYQKMEENGSGGLGSYTLQDAFLSDSM
>comp2499_c0_seq1; 157 353 877 LEN=1001; minus strand; translated
MTNSPCCPSKISLMNVKIASQNTGVISTPKAGGILPFASLNKGS DGQATTAQGN SFRLVS
GYHDATTRHNI AKDIKFKNGPNTVAVGFTQASVSANNIPLPDEIATPTLSATEEAIVGST
IDRVLEDDLAAADATGDVGT TKAETPLMAVAIIAQQITKEKRYILFYCLEYRR
>comp2500_c0_seq1; 81 1 549 LEN=1017; translated
PTPRDKHTGII EPTHGLKRKPLRSPVEDTTMVRANEKSAGFYFVFLFCFLLGAVCIYHD
LGVI AFVLA VFGVIFGFG LREKFSNETTASAYSVF NEDGRAIVGGFTSSQFERQLRGSVA
SQMASGAGGNPDASAASGPIARARTEGPARRTNVALSDAERTARRRAAAEAAERRFQAAK
EE
>comp2501_c0_seq1; 713 523 2553 LEN=2806; translated
MSTPGYRSIKARKCSRRVLFESSNGSVQPSVDDSDSDWEDDASSSSSDSEMSRRHRWSR
QVTSRSLSAKNLKS SSWGIVGVYDSSRQMNYDGLDGSNSMSNSNKRSDDSNKLDDDDID
IEIEGSDSDESFLEQKQDEKVKLKMVAI LSTVVCLLLMLTAVGLGIALSKKKRRPPAI
PLNGLSDNNSVFDPFAPSSTPSSSLAPSVMNTSSNTTTIGTMNVTLDDFDPIFLNETD
DNVGANETSSPTSTTI FTTDSPTLSPTTASPTKSPNSPTQSPTRDPEMIIPDAVDLTP
AGDTYV VILPDGEVYKESATPTLLVRSRNSAGNNGASLITQQVNEDEILAGDGLPLDAL
SYALLHFDMADYKWEDEGNAELLSTKANAYLCLEHVPNTRENDAWGNPNQKIF SACRVE
NP ILEEDWLANPAFQAELTGYKMPEDCFGGEVKKTFVSPDTGNVCIDVSMFVDNYPPFAE
VDP SDDFTLPDPDEDLVETLGVRRHLLRPNI FKNMESTNETEAFSESATPRVGGNYKNM
LFMVAHIEPGVDASAEFYSRQDTDNAPKLYVTLETLEAPT VAPTGSEYPSQHPTADATN
DVTLGSSGGVGTIGAVDGNATMVPTLVRPPPPARALRXDEIGAVAPTSRATTETGNGKAG
DETAALAAAKDAIAV
>comp2502_c0_seq1; 402 227 1219 LEN=1240; translated
MIMVKPRRRLERVIHVPALLSLSFSLPLVCGFALTTMTTGMNNLSSVEDFLLRSR
LEGIKKGIKKDYANSPGVKLLSGEVDEKSTMP TFIFFGAGGLDELVLELQATIPNSEVID
WKEYRG TLLTAGYDSEAVGEAIAELVLEQIGGDGEEINNGGYENEELSPSISSDSCSGV

RFVGISVGGFAANAATIVHRQITERSQPKNVEKNKENDILNVHLVLLDPFCGRGVFGQN
YGRNNGFYKATSAIQILNTDDPVTNTDPLSNICYCLDVTEAPEKQDFVVLPGDSMHSWPV
AYFARYYYYKCCQDPSLTPMLFPRGVVEEVS

>comp2503_c0_seq1; 655 96 1169 LEN=1346; translated
MSGRCCLKLLRQGRGGRQIRSAAISSSFSTFSSSPVATATTSSGNDGGFRRLCSLPLPYGGN
LRGHPQYTHQPPLPLCQKRWRSGKMGHQVESLKEMAHRRPEREAAQERRKKKKDRKAAKKA
GGKKQQASETDGPGGGADTAGGDEDEDEDDIFFGDEDEDEEAGDGDGEPTLPDPVAVRSK
MDAVVDRFSESLRSVRGAEP TADMFDVVMVQAYGAP TPLNAVAQVVIVSPTLAQVTCFDP
SVARDVVKAVQLTLELNPQLEEGGAGNIKVPLPRISKEVREKLSRSVKKRAESCKKRLRG
VRRKAMDVKKGKDGKLAGVSKDDAFASGKEIEAASEAATERLKAVVAEKMDSIMAV

>comp2504_c0_seq1; 302 28 1110 LEN=1128; translated
MTATLERRESVSVWERFSAWITSTENRLYIGWFGCLMFP TLLTATSCYIIAFIAAPPVDI
DGIREPVAGSLLYGNNIITG SVIPSSNAIGMHFYPIWEAASIDEWLYNGGPYQLVVMHFL
LGVASYMGREWELSYRLGMRPWIFVAFSAPVAAASAVFLVYPIGQGSFSDGMPLGISGTF
NFMLVFAQEHNILMHPFHMAGVAGVFGGSLFSAMHGSLVTSSLI RETTENESTNNGYKFG
QEEETYNI VAAHGYFGRLIFQYASFNNSRALHFFLALWPVLGIWLTAMGISTMAFNLNGF
NFNQSVVDSQGRVINTWADI INRADLGMEVMHERNAHNFPLDLASGEVLPVALTAPAVNG

>comp2505_c0_seq1; 148 1 370 LEN=420; translated
XPYHRWNRVQPSIGLPSPTNPEDGQKMEHAASPGTGAAGNEPSACEKECSKQQDAL TACM
NAIRDAREVVASGAGAGETNDDGDVSRVDT SCLAPAVASWTECCALANNGAVESNEGHI
GIG

>comp2507_c0_seq1; 619 372 2621 LEN=2893; translated
MDDLTSIPWWQKNGNDEDLMRGDYDDAGDDDILSTEQPVYAREGDFHRERRKQONQNEYEY
DYEYKNQRHSKAGAIHTTAETNPRRTTGS RNERFVSEDP SANRRSDANASSTKNASTRRK
QSVSRTKSGNALRGGNASPEQAPEPERPPP AKRTSSSSSARRHSGDKSDKRSSNGDKIRK
QVRWICSSCTFVNARNCRV SCKSTILTCEVCSVPYVLPAAAARSSGDVHDARSITEQQA
PQHAEDRTRRNSSSSLPQANTKNDTARRQKDSQSRHSGKDNSDSTSSTGASTSKSNGNRR
TYSISELVRC LGATGEDGSSSVSNLPPSLERRVQDFRFAQQKRREKHGDQKAWGIYGLYA
HLSDIRADLEWAEDA AWRRRRSKPYLSWKDFDAARDKGAHSRPFYFTYGVMLCTVMMLVT
LGVNGWKFELTVNPLIGPSSETLIACGARDTNLIVNENQWFR LFTPMVLHAGLVHYFVN
MLAMYFIGGAVEKAHGA AFTSVLFVIPAVGGNILSAICLPGFISVGASGGIFGLIGGMA
DICLNWNLLFLKTTTDEDSRLRHL CVLLWLAVDIIVNCILGFTPFVDNFTHLGGFLYGFC
IGYASIERLATGFFGIRIGDSHWSRLKSVGLRYFGLVLSVVTIFATTIVLAQSDGLTSPC
HRCRYISCVFPFPGAERDKWWHCDDCDIVTADLFVATDGSGLYQQVDIHC PNGETVEVPI
WDEGIYDTEVLRRLKPSYCRGFCAEVFAH

>comp2508_c0_seq1; 461 89 1177 LEN=1372; translated
MLSRKVLKPKFLAKRLLDV ASPSTAGAKSIRLVSTSQTKKGFPPPI LFDYETIRNNLTV A
DAIPSVKEAFCALAAAGKVDVPM PHIGIEESLAAGPGDCHIKGGYVYGEKTF TVKLACVS
FYKNVTERNLPAGSGV FVVVDAQTGAPLAF FQENRIMTDLRTGAAGAVAI EYTTPNDDSN
VIGFIGTGAIARNMARA AAVRPNFTGVAYGLDFPGA EAFAKEMSSELGLNFSVASSEE
LCHRSNVIF TQT TGSEHVLELEHLRKGTTIIASGSDQPTKQELPNDV LASADKYIADLIN
QTSRVGELRGAIEANVM TTEEVYAE LGEIVNGSKPGREDHEELIVVDLTGTGAQDAAIGQ
VAW

>comp2509_c0_seq1; 563 83 988 LEN=1192; translated
MVSSVLSILALLSAVQLSPVEVLA AEDVGLSWTIYHSWDANQQFVRRGSLTWGPAPVDES
KDDDGKKEFQILNDDASANL TAGDIRSMLEYGWYHIKIQSKDDENSFVFQTV PACNLRR A
NFKDQFDVTLPRSSLD DRQDPMTSFAYTPLV SPLAPKNCDDYDDES DGTTRSFSRVSQ
LDTPAMTIKNILPQSKPPPGIA FVKQPPGGSGEQRGGTDDGESYQDPEAP TTPPGPF GFF
SKYWYIILPMMILQVLQVPEEPPKEQQGQQQQQQGGGGGTIAPQAGASPQKVRRGKTSK K
N

>comp2510_c0_seq1; 513 14 1810 LEN=1957; translated
MSNWVRKKNQHTSDIEPESTET FESDDEEEYDEDEDIEDISFWREHGLAILVAFAASII
VHFHNQNLISLSGFLNRLPFGTNSERHSHLDGFSRMANV SFCRQRIQPPASERLNSMDFY
IPRDHFESLLTFYVADLDEDDY YANTDIAVSSSRKEDLGARL KDNKEFECLSEQHHINPT
DKKLGKTTYFYKDP TLEEIYPELMKENTTPNL SMVKKSSNERKRQLEQPPLRFTGF AAKF
VNLD TDPVLLYWDGKGGHESSRKL VGEIPPMESIGTATMPGHSFHVTP IYDPSTVLNHWV
VTLD TALVFYEPKSA TEMKHTL KAKDPKSYAMYQRQMVNKAFSRDY TIIISGRTWLGHFPR
PFPLHYMHEASFIGQE HQVGM TLKVASVRPRVFTIENFLTSEECEEVRLSLEQGLTES
TLHSSPQATQNRDVSTRSSSN AWLSRETSSLTKMIFEKTAELTKIDRHLFQKFHESNAKR
HSIAESLQVVRYKKGEEYTPH HDFVSPSINSRHQPSRFATLLIYLN DVDEGGETRFPRAV

NNYNAEGLEIVPKTGKAVLFYNTLEDGNLDDLSQLHGGNKVLAGNKWLANLWIWDPVIG
>comp2511_c0_seq1; 146 683 1111 LEN=1111; translated
MDRHIVTEFLRKVRTISDGHNAIGAPHSWSSMNNPRGIPRNKSNCNSNDCHSHTQNVNAT
QREQSSQDSHILHGRPQERMHHQPFFMEERLQSDLAVNLSLSSNGSNGSKNTTSSKTSF
SNHIHMQLTLHRGRQQQQQQQ
>comp2512_c0_seq1; 471 65 799 LEN=1253; translated
MDRDSLVIYKAKLAEQAERFDEMVDMEKQVQPELTVVEERNLLSVAYKNVIGSRRASWR
VVTSIEQKGDSDKMEIKDYKAKIESELVEICNDILGII EESLIPNSTSEEAKVFYKMK
GDYHRYLSEFQTDTRKESAGAALDAYQAASGIAQSDLPPTHPIRLGLALNFSVYFYEIL
NAPDKACSIKQAFDDAIAELDTLNEESYKDISTLIMQLLRDNLTLWTSDQADSEVVDKGD
AEGE
>comp2513_c0_seq1; 374 180 1253 LEN=1772; translated
MEGAEGGEAVSRKVIIVGMNRPRLKII SMVDEDEVAGGNAPTGVEYVPCLAAMSSYEAE
GDAVRYMSDFVFRDGPMSFFDDEAFRESLDTVVMVGYEWQENDKQLVEKYFESNLLSV
TIVCVSPNPGFSSLGEEEMSHFKNLSDDERHTTNTMGPCKMKRFILDTTTTPLQTTTEK
KDSAEKDNVESLDGEEENEIEIDSPPDKPKEEEEVPPKKKIPVAIDHNATSFACRMCRV
LFGESHLADDHKKALHSLKRTPNRASGTVASCQSFFCDESVLEWLAPDGADVEGKLACPH
CNFKLGHWNWSGAQCSCGTWVPAIQIPMGKVDVILPPSERAKVSPIMIVAPKASYA
>comp2514_c0_seq1; 522 120 2084 LEN=2123; translated
MATNGLSRRRGTTRRRKRNWGPLLLGGAVLFLFGIIGGSILCFVMLDVGHTGDSTVAVDAT
ADVTGDAKADAKADATADATADAGRSSFQRKRHVRKRNILEYDPPDSKKIPPKSLDDFM
KEAKKKFMDHLVQEGTSGSFPYPRDEVAKDHDFTTWTAPGGKRFEEYKHGDSPTYAPN
ESDALARSRRYHVKKAMEHAWRGYKYAFGMDELAPVSEKIRWGGLGTTLVDSLDLTLW
LMNMTDEFYRARDWCKTSLSHNKDVQVSVFETTIRSLGGLLSAYDWSQDEVFLDQAKDLG
ARLFKAFDTEGLPASQVNLRTGNAQKARWMSTGAVILSEFTTLQIENRALARFSGIRDY
KLKSEEVFQRMNRVENVKDGLYPWSIHGTKDGATIYNQKITFGAMSDSFYEMKLIWIQG
GQTEPIYREMYDKSIOGMHDLRLLSVSRPSELVFIADENNGRMDHKMDHLVCFMGGLLALG
AYTDPQGLDSKRAQRDLKTAKALTYTCYQSYARMPTGISPEFIQFHMADDDFGPGRGAPH
YLLRPETVESFFVLYHLTGDPVYREWGWVQAIERYCKTKVGYGELSDVQNLKIKPRDT
MESFFLAETLKYLYLLFDPEPTIDLLHKHVFNTEAHPMRFVMDSDGIMDLIK
>comp2515_c0_seq1; 360 93 953 LEN=1275; translated
MRIVCVAFVLLHPAAIGHALLLPPPATRKLAVIGSIEPATRPSRSHTRNRFGPSSTCDTA
LSSKAPPEEYDDGIGDLQONNRNDGDDNNWQERSDDAATNYAEGESLSAEFFQNLDRQ
EGGAVDANSSLSLRSRSPVSREQFDSGLFEPSEYDDNYTDARANAPPTPGTKKFTGRRSE
GSLDYFGASSGNNQRSGGSNNNNNAVRQMMRREYDLVSGATGRTALGLQAGLALTM
LVFFLYVGFSGGIVSGEAVDADFDDLIQFEQIIPLRSDKSVW
>comp2517_c0_seq1; 694 155 1681 LEN=2291; translated
MSLTFDICFIHAIADLQNPGLALCTTIDDIDAVGGDLHCLGWNGSRTFEDIDEKASRNP
GLDFLPADLDDKDEPLPNWRYENGLLRAPFQGSSEGGSRDLCLGPSDVALFEAPCKPY
ELKLQECPESENVRNSIVLDEGYDNAVPADSAASSEEMAASRHRMFLVTGQGRVQSLAPV
LERRTGRDVIETKPFCLTMLNGNDDGLGKKPYLVPCQPENKDGKDTNHDGRHGLASPVQV
FGVYGTYSDFSVMVLQTVWGYNEVVKLAYQVGIPTGSMSSFTSSATIVIEQQVGSNSHV
DNSTPMLVKEIPLVEDHHVANSISGILSFSSCQYEMVGPMTATLHSIRDDVNASNFEAST
ASTAASRAFFVDDPQKESLNGFFEMFVIIFCSIAGCFTLMSVADWCLKDKIRAFGTLWG
ENSDGKTVCLDDDLDDNFLEKDEGTEITSEPEKENERTADEDNNTHEASADDSSRNIDG
SDDYSMCSNENHGKADNEETPPLFPNDV
>comp2517_c0_seq2; 697 376 1881 LEN=2491; translated
MPVPTSLEEMNPGNLALCTTIDDIDAVGGDLHCLGWNGSRTFEDIDEKASRNPGLDFLPA
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PSESNVRNSIVLDEGYDNAVPADSAASSEEMAASRHRMFLVTGQGRVQSLAPVLERRTGR
DVIETKPFCLTMLNGNDDGLGKKPYLVPCQPENKDGKDTNHDGRHGLASPVQVFGVYGT
SDFSVMVLQTVWGYNEVVKLAYQVGIPTGSMSSFTSSATIVIEQQVGSNSHVDNSTPML
VKEIPLVEDHHVANSISGILSFSSCQYEMVGPMTATLHSIRDDVNASNFEASTASTAASR
AFFVDDPQKESLNGFFEMFVIIFCSIAGCFTLMSVADWCLKDKIRAFGTLWGENSDGKT
VCLDDDLDDNFLEKDEGTEITSEPEKENERTADEDNNTHEASADDSSRNIDGSDDYSMC
SNENHGKADNEETPPLFPNDV
>comp2518_c0_seq1; 626 113 1369 LEN=1414; translated
MAESKPKLVLAYSGGLDTSVILKWLCEKGFVDVIAFCANVGQFEEDFSAVEAKALAVGASK
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TGKGNQVRFEMCAQALSPTIKCIAPWRDAEFIESFKGRKDLLAYCEKHSIPVDAKPKSN

YSIDENLFHTSYESGCLEDAACGPEESMFKMTVSPQAAPETGEIVVIEFDKGI PVKITNK
SDGTVKTDPLDIFLYCNMIAGKHGIGRIDIVENRFVGIKSRGVYETPGGTL LRAAHMDLE
GICMDREVKRITEGMSNEFARLCYNGFWFAPEMELIRHSLDYSQRDVVGEVEIELYKGN
TIKGRTPNALYNADLASMDIEGGDAFDYNPADAQGFIRINAVRLKTYAALRAKDSA
>comp2519_c0_seq1; 375 287 905 LEN=905; translated
MAGRKLIDTARSRAFRTLWMLLEEIGIPYQHVAALPQSEQARRYNPLGKIPVLVEDDGFSL
YESGAILSYLGDYRSNSGGGLVPRAGTRERAIYEQTMSVLLTELDAQGLWIHRKHEVMG
KFFTYVPDAVEHARKYFHKTNRVLIQQLKDNNNNSNKNKNKNNKGNVKNMNERIGQRKK
KPGRKPKKVGGKVGKKNRNEDEEDEX
>comp2520_c0_seq1; 297 1 843 LEN=1000; translated
QRLSQITIWKSSGFGASHRYKQMLFNSSPVGLFLLATAWSQPCYGFHVRQEQPRLPCSAI
SLFQESSCGFMEEKTDSFASVSSRRDLFRNSAAVAFALLLNEGCSNQPAFAFDGSGASA
SAGYSPATKAEKKKKQFERVAADVDFKALGKAIDKGETDGPWVNFILFQRREPDEVG
RTYAALADLRGLPGKKKGEYEGGDGLLLANTFTKPGKPPDNTPAVKSFLLKSKTFFDAIEA
AGKAKDAKAKKEWQKTSELSQYLSDELPGDLNDSLYK
>comp2521_c0_seq1; 666 287 2485 LEN=2956; translated
MKVLCFPSFFFVFAAIAPVAFVNSEDRSALSGLKEEVPVSSPWIDLSQLNSNPPQDNG
QEGSVQGRKAPKSKSKSSKSGSKSPTDSPMSSPTSPVSSPIDLACVDVFTGNRTYIPS
CAGAVNEIIVQCNSEGNYNQYVIEFSDGNVILDNDTCLLLAEFSYNKVMVKSSQCEL
QLEPIQLSHVGT CNFPNGLNYGAPNMLKANIRPDGTMDFYSKDDGETFFDDVRVATMK
NEEGIRKVDPAIFRSAAQCE TLNPAPYQIDELSSGYGPCRNDADCKQVNTDTWCSLDTGD
NFPTAYCYDCLNNHCIGGQTCETNRNSRSCVNPDIQVRGIAGITTYDVFDADPLFT
AYASGLADQAEDAGAVNRRRFFELWSSDPKYKVDLPSNKTYEPIGFVTAELVMTSQT
SVKAFASLDQFSEEQNKALGLGASGTIKGVQLGGSVGIKSKKRIAEDA HKNLVTVTAKSA
KQIYRFQIASNKKLKLTL SAEADLKKASSSKDWNDFFRMYGTHLTLGGKVGAWQRQIYSF
DENQRSQLTTTERTFSQSVNIGIPGIFGFDQDSESSESKEIGKKIQQLQVKQKTYSKGNV
DNVYDEAAIIQRRL EPICDHVGEVEGVTKDECQEALIEYCVERIKDTGQITTTKCELSGD
EFNFTCLYDNQCPRQETCNRGICTPRCKEDSDCGKFEECIDVDNVPSKECHPMKGESQLH
KHQCSYENNDTLW
>comp2522_c0_seq1; 1411 223 3357 LEN=3474; translated
MSQPYKASAEDVLKEYGVSLDQGLSEAQVLELRKKYGTNELEHEEKTPLWQLVLEQFDDK
LVQILLGAALLSFVLAFFEEVDHWVEAFVEPAVILLILI INAVGVWQESNAENALEALK
KMQSLHTPCLRDGVWQDELPT EELVPGDIVKISVGDRAPADVRLCKLLTATLRSDEGALT
GESETVLKTTDSISSGEKISDQKNMVFAGTTISGGKAI GVVTSTGMTTEIGKIQSAVTEA
SEDAEKTPLNQKLDEFGLLTQVITGICVLVWIMNFNQFFDPVFGGVFKGCIYYLKI AVA
LGVAAIPEGLPAVITLCLALGT KKMVKRNAIVRKLPSVETLGCCTVICSDKTGTLTTNQM
VVEALVVPDAQEGDLQEF SVTGTGYAPT DGVVQNYTSTTGNLEQMANVCSLCNEAVIRYS
EGKYVRVGEPTAALKCLVEKMGLPGQSAPSNEVEVADYFGKSFQGFQDKEATLEFSRDR
KSMSVLCNKATGDRVLFVKGAGELLERCTS IMRPDGSVQPM SAKDRQTLADRVTDMSK
RPLRVLGMAIKTNMPPKEQLPSQLLNLDEYAQIESGLTFVGLTG I KDPPRPEVRS AIQRC
QDAGIRVIMITGDNKTAEAIAREVGI FEHDEKVTGKSFTGAEFFHGSISDDQRAHLIMH
GGGSRVFSRTEPRDKQLLVKLLRSCGEVPAMTGDGVNDAPALKQASIGIAMGIAGTEVAK
EASDMILADDNFATIVSAVEEGRS IYSNMKAFIRYMISSNIGEVSIFLTSTIGCPEGLI
PVQLLWVNLVTDGPPATALGFNPPDPDVMLKPPRGKDDSLITNWVFFRYMVI GLYVGFAT
VGI FVFWYTEYEGFVNWLGPS IMELLGSSYDGHSMVSYDQLTRWGH CRTGEEAVGTIFEG
FSVNDFDNTGNGLIEDFSTDP CSYFTKGKMKASTLSLSVLVTIEMFNALNAVSE DGSLLT
IPPWVNPYLLLAMASSFILHF MILYVPWMATVFSISPHDAVDWILVFLFSFPV I IIDEIL
KYVGRQMNETERKERERLRKEKEA
>comp2523_c0_seq1; 1645 218 3895 LEN=3954; translated
MALGSEPEGGPPRSPEATIRVAGGDEAIKSTVKSLRKL MGGICDPRKNNADGSGEEEEEDNQ
YDLYLHEQYQHYLHDQRHQDRHQDQHQQDQLQDQLQDQHRPTHDP TWSPPVRPSSPSA
TDGATTVVASSTSKNDDSNNPPPLVDGNGATATPSEEKDSLDSMDSAKKVLFPNEENDEP
LVDETTPIFEESCDNSI ISNNSNTNLEIDPIPEQRHPRDHLHVWTRTLLSIAALVFLALG
TTILCMQTTDTEGLNINEVLDRIK YRRTTHLQERSTIHPASVTNDVDSTIREASLPKKT
RRTTEEINDHAKEPNSWLD TMYDDAEEILRLTYDRTQLYLREAVGEILETLGHQKNK VLE
KIYEHKTIQSEQFNEPELSLNGITKYSELVDIRNVTVALELFLKYFSGNSTWEQMGIN
VISKEYFTQYIPKTL ELVRGEANLEHVHKI WTSDLTKRIRNM RVFDEDDIYNKLN EIGDT
IARFYHESGLHQYVERLEQKLADAVGETNMTIVDAMRAEILDR LAEYYQNNPLSDYLQLR
PLLSSDIAGVDEATASGASSDECATTGADSTPERETDEL DQAETGLD TDERGAE EEEVQI
VDRDPSGSDEESELLVDTVQDNPIETNDSSSIEEEEGGEGEESPTTESNPSISD VDVVD

AELDDTLEPEDSDATTTTEDETIGKHADEAADLIESDQEPKLPADPTIADSSSGTDNSLL
TEMEGSIPKMESKPSLSDVGVDAEFHATLEPDMNIEGSETNDKNSDETVNLNIADQEPD
VPAETATTDSDVTEQSLRTEIEEYNTTTTESNPMDFDEGVIGVELDETIEQEKDPKISIPA
EYDI INKKKPLVYDEVDLQNPNSDQDMLVPKKALDGDSDGLSSGEEHSIKSDVKESLG
KTTTKEQAGEEHDDQPEGTDILDEASIASENPELTTDESTPDDSLADESSQGDERIPSEL
HNSIPMGTFFSENKEKGGAEKADADSDIQTVSSEDHGTGDEIGEDLEASSSQSIPPSDVS
ADIKEIAVESPIQKPAELGAHDSKDEEDGTDGENLLVVS AETLDSQHSIIEEATPDSKE
RNSVQGHDETDVHDQKDSGNPEILNEGNLISSDNERDSTNQSPQTPTSAQPARDVDPNIP
DMIKGI EYHMTKMEQSVAPDLDKKCSSVECMIEEIEAIVDRTRTESYAARKYDAADNFEE
RNPVVS KPLSVRRRWNLSLQGWQR

>comp2524_c0_seq1; 376 531 1577 LEN=2336; translated
METSDGDDGCKIGSCLSEIETKPIKAPSTVFPVAVVACGYRRVGIKSGNYFFPAFLVAF
PNHRDSSNPETVQRKSAICFAWRSKRDFMLLARSSDSLVLPAALKKVVDNSVWPWRRFD
MNLVGNNTPYFLSDPKLPNHF SVRMKKSLWLLDHFLHRAETSATETAKAAWETFCRPSD
TEDLITPREFTPGADSTTNQRDGNIAKPKGEDTQAHSTETKINDPNTSFSSSHNENVTTL
ADSSRLGQYFASEENSRMVVECALEKILPLFHDGKNSDILFLEPSCGHGDIVASLVEALE
EHEISPRSVFIQGYDIDPCVIKTCQQSTTFHNSRSANSCKDSNDYRVLW

>comp2525_c0_seq1; 150 324 695 LEN=722; translated
MRAIVLNATKMGVYDVAKGQVVKSTGWTRKDPRTAFCSFLAGFFMTCTVAPFDRVRTKL
MSQPTNEKLYTGLSDCFVKTVSQEGPLSLWRGFVPIWARFAPMATLQLLTIESLYAFFGF
DSI

>comp2525_c0_seq2; 199 209 937 LEN=964; translated
MGVIQTISDTAKNEGIVAFWKGLPWAYCREGSYTAIRLGAYAPVRDAIGAGAPDSPVYMK
FLAGAMTGAIGSIAGNPFVLTLSQTNKGKSVPLSTLVGQMYKDQGVAGFYRGVGVNVM
RAIVLNATKMGVYDVAKGQVVKSTGWTRKDPRTAFCSFLAGFFMTCTVAPFDRVRTKLM
SQPTNEKLYTGLSDCFVKTVSQEGPLSLWRGFVPIWARFAPMATLQLLTIESLYAFFGF
SI

>comp2526_c0_seq1; 601 125 1636 LEN=1711; translated
MTTKRAASVEKPLSPVASVSRPISWWTICCSLLLLLPAVLEANKIDDDEQWGANLEDHP
DPNDEHYEGMIYVGKHDANGKRIGFDQDNGIRYIFGTSFDETHKDIEEKDLLHHPLRPVQ
DIPDHEREAVLRERRHGLSKQDGESEGRYEMPKAFGHVDEHPLDGGVVPKVVHVDPFFLD
ETLVTNKEFGKFVRATYYETEAEKYGWSFVLESMDKAAALMQHRRDQQQDEDELELNDPE
AEDWMAVDGAYWRRPEGPKSSYKYREDHPVVHVSHRDAAEYCKWVGKRLPGEWEEYAAVR
GKNTGPSNRMTFAWGDDSDWELASKHANLWGPAGFPNENGALDGYRATSPVKHYPPNDL
GFYDITGNVWEMRGGKHKARIVRGASFVDSL DGSVNHAATLGARSTVHATTTTTNVGFR
CAKAPKRRTEYHFVTHDEATHGHLAVEDQFGKRD MIPQKGWEDQYHHVDEEENENDEDPD
NQYNNQLKRRVIKRRERYSNEL

>comp2527_c0_seq1; 251 19 525 LEN=704; translated
MAFFLSCFQQTIVFGILNLISSVWGVVLAIGLLTGALIGSDGVEEWEDEAGSASLYILG
GILMFVSVCGVGFYSFQIHAACKFNVCGLKLVIAWDIFTICFRIAELIIQQQHSGDVGVM
INNLFWTVAIYGLSLYPIVGLVFEIQKGIMSEETYPREAYS CCCEPKV

>comp2527_c0_seq2; 271 247 843 LEN=1022; translated
MSSEEVKEVPVATPEAEVPMKDQEKIGAKCCGCCDYRRATIVFGILNLISSVWGVVLA
GLLTGGALIGSDGVEEWEDEAGSASLYILGGILMFVSVCGVGFYSFQIHAACKFNVCGLK
LVIAWDIFTICFRIAELIIQQQHSGDVGVMINNLFWTVAIYGLSLYPIVGLVFEIQKGIM
SEETYPREAYS CCCEPKV

>comp2528_c0_seq1; 831 1 2000 LEN=2156; translated
XDNNYTDSYKDCVFTMAIMFNHSFPRLLVWVAVLATLHGTAGEDATKAEAEPKVVASIE
VQLDPNRPMDGVDKEFGDDGKFECKQWASEGECEKNPGFMLQNC AASCKAANTVIVSVY
DGEDVGVA AFRFGEHSSAFGSPSETQESVLKVAQELQGVLDKGSYEPKELTHCGKRQC
SAGLWKRAEEMRKADMHDDAGADLIRALLKTGIEVDFVERCKRSLQWAFGSIQRERERE
KRDAIEEAKLEARQAEERVAMEEALQRKKEYEADVFVKVQEMVADGSKVSSASVGD
GTVETETNGLILEIMKSFVAEGPEGGNWSNVLQLIKKVRPSEKTTEILLIEARCHEMMG
DHKNALSAAGRLIQKAASYTPWVDDSPRMIAVTLGANAAMQLGLSENAISFYQTVLKFDP
EQKTRKQYRGLKVVKLMAKADEQIEKGYNKAASFVDDCLSAMRGLDVDSPLFRSKIQ
LKQCTILSGMGKHEEALANCDSAVEQRAGNESVSDSKKEYLVRAEALLLDMDYDEAVG
DFRMAFDLVPETQETMQEKHELNQRLKQTRQOELWNGGVKDYQFNENTGYPDGRPPQRD
HAKILQLPIDLDQOSKEVKCAWLKQFKTLVRKYHPDKYKGNKKRAARKFKEVKEAKEII
SKAWQC

>comp2529_c0_seq1; 592 104 2008 LEN=2218; translated

MASVTYSSTRGGQSNLDFRTVVMVTGLAHRGLFVDPDTFFPTVEAEELSWRGLDYPSVAVN
VISKFKEDQVPADKLEDIVRRSCAAFRHEEVTVPINVAGHKVLELFGHPTFAFKDVALQ
MLGNFFEYFLETGSNDGRLAVLGATSGDTGSAAIYGLRGKKGVCVILFPKGRVSAIQER
QMTTVQDDNIHCVAIEGTFDDCQDIVKASFNSPEFRDRVKLGAVNSINWCRVLAQITYYF
WSYLRVTDEDEHKDAKVGYSVPTGNFGDILAGFYAKQIGLPVGKLIIVATNENDILHRFFT
KGEYHREAINKTISPSMDCVSSNFERYLFFLAGNDSAKLAEWMTTFFETKKLTIIEGELL
AKAQSDFSSARADTSMTLDIIREYNNHNHYVMCPHTAVGVSAIHQTNDVVETMVCLATAH
EGKFPAAVNQAIDPLPTPPEQLACLDDLPTLRLSECPNDVQHVHDFMEKKIAXENGESLKK
PNAFRVKDSQTEYEMEDKLCNFSSIEASNNVKAFLSRYNMNY

>comp2536_c0_seq2; 404 134 1818 LEN=1891; translated
MASVTYSSTRGGQSNLDFRTVVMVTGLAHRGLFVDPDTFFPTVEAEELSWRGLDYPSVAVN
VISKFKEDQVPADKLEDIVRRSCAAFRHEEVTVPINVAGHKVLEVANLLQNIKXNKSEW
SASPEKADTRPLLMLRLCDTFFSLQELFHGPTFAFKDVALQMLGNFFEYFLETGSNDGRLAV
LGATSGDTGSAAIYGLRGKKGVCVILFPKGRVSAIQERQMTTVQDDNIHCVAIEGTFDD
CQDIVKASFNSPEFRDRVKLGAVNSINWCRVLAQITYYFWSYLRVTDEDEHKDAKVGYSV
PTGNFGDILAGFYAKQIGLPVGKLIIVATNENDILHRFFTCKGEYHREAINKTISPSMDCV
SSNFERYLFFLAGNDSAKLAEWMTTFFETKKLTIIEGELLAKAQSDFSSARADTSMTLDI
REYNNHNHYVMCPHTAVGVSAIHQTNDVVETMVCLATAHEGKFPAAVNQAIDPLPTPPEQ
LACLDDLPTLRLSECPNDVQHVHDFMEKKIAXENGESLKKPNAFRVKDSQTEYEMEDKLCN
FSSIEASNNVKAFLSRYNMNY

>comp2537_c0_seq1; 540 1 844 LEN=844; translated
XEKEAKEKAEREAKEKAKKEAKEKAEREAKEKAKEANEKAEIEATAEAGEEENENTEGN
AAASATTISSPTKSTTEPATTSTVDESKAVAESGNNDGFLKQVQEDGFVNAFLKLDVTTQ
ATAAAGVLASGAAAALSIVKRDDDNGDDNGSGFGGNSFFGNQGRQNNQGGPSSFGNQGGN
PSFGNQRNQAGPQSFQGNRNQGGTTPFGSAPADASQNNKDGKSLFSSFSFGNPPSAKNS
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>comp2538_c0_seq1; 432 38 1528 LEN=1528; translated
MVSATLKKYLKFLLFQCLILSVLGDFFDNAISAKIKSLAIRGASIAYYDSNMKMPSPVTRG
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CRNQNHVNVKITWRMMITHRSSMKGNIPDAKDRWGDPIPSYGPSSGGYTSAPAVGNPTC
PLGEIGDFYHALLTDDPNATTDVGAGVILQGGKELDWFDLAINSGSMWSRSKPGQRRDYS
NAAYGVSALIEFATGQSFQDFCREHLFEPLGMSHTEWFLDDLDPDGSQVAVPVEKKRNGG
YMDVGHYCFIDYASGLRSTANDIARWSNAMLDYGSPMLWSTAVGKEIVKCQEKVNGEP
IGNNCDYFYGWILLNNSMKQSTQEKWLKQGFSEYDWTGVDGWHHDGSEAGSQTNIVILPKA
GIFVAVLTNTDLNSETAAQQLTQAVVEAPLPSLPPTPTPLSNPTLAPQPTRAPASPTRAP
TNPTKAPTNPTRAPTNP

>comp2539_c0_seq1; 744 370 2724 LEN=3009; translated
MIQHVLFFYPFRVLFSPYFSDQLTSFLTGAFTVGLLWLLDGLYHSVPDHFTKDRTRSDGS
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TIRRKVMGEESDRDEGKTEEERDSQTTENQGEKRMKNLMSGSEEEEASYQENKKEEKPL
CIGSIFGLDVGGTLAKLVYFEKKALDVPDLYTRSLREKHYAKALSAQTVLMARMDDNTDG
RAKRSASMSMRKIPAPLGNRFRSSTAEEYEFKEEDSFKEKRLIPPSNEIPGVMRRSQTM
TGHIAHPVKIKESQNYPTKIESSLFVEEDGEETNIMPEHATKERNSTNDLQSLYAIRQES
LPDDVRQFRHVVDSDDENDSVFKQTTSLSSSSGLPPSLNLKRSLSMLDMTTAHDQEK
VEALNRFYDFARRLDTNEDSISDIQLSFYCRELGGEFHFISFETRKMKNAMDLIRFNKLH
MNIRNMGATGGGAHKFADKWERELAIGMIKQDELDSLAVAGMQFVFLSTVVGECYTFRQKQ
RTAETTGDKNETADGGKNPKLEWWTRKVRDRTISYSSAYPYMLVTIGTGVSVLRVDGPR
KHERVSGSTIGGGTFWGLMRLTLDVENFEDAMKLAEKGDPTKVDMMVGDYIGEDSDALEK
LGLTADIVASSFGKLVSKEDPAKGLTQEDLARALLSLVTNIGQVAYLNAKLHKTPIYF
VGSFLRHNMSQRRLSYAIDYWSKGEMEALFLEHEGYFGALGAFLMTQNIKKSQGGFFQW
ENNP

>comp2539_c0_seq2; 669 370 2848 LEN=3133; translated
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TIRRKVMGEESDRDEGKTEEERDSQTTENQGEKRMKNLMSGSEEEEASYQENKKEEKPL
CIGSIFGLDVGGTLAKLVYFEKKALDVPDLYTRSLREKHYAKALSAQTVLMARMDDNTDG
RAKRSASMSMRKIPAPLGNRFRSSTAEEYEFKEEDSFKEKRLIPPSNEIPGVMRRSQTM
TGHIAHPVKIKESQNYPTKIESSLFVEEDGEETNIMPEHATKERNSTNDLQSLYAIRQES
LPDDVRQFRHVVDSDDENDSVFKQTTSLSSSSGLPPSLNLKRSLSMLDMTTAHDQEK
VEALNRFYDFARRLDTNEDSISDIQLSFYCRELGGEFHFISFETRKMKNAMDLIRFNKLH

MNIRNMXVSSTEVLVFFVLVRVSRFSCAMLEISDRNRLMLITSNVSDAAATGGGAHKFAD
KWERELAIGMIKQDELDLSLVAGMQFVLSTVVGECYTFRQNRRTAETTGDGKNETADGGK
NPKLEWWTRKVVQRTDISYSSAYPYMLVTIGTGVSVLRVDGPRKHERVSGSTIGGGTFWGL
MRLTLDVENFEDAMKLAEKGDPTKVDMMVVDIYGEDSDALEKLGLTADIVASSFGKLVSK
EDPAKGLTQEDLARALLSLVTNNIGQVAYLNAKLHKTPIYFVGSFLRHNMISQRRLSYA
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>comp2540_c0_seq1; 430 73 1101 LEN=1261; translated
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DNSSFFFSDILNVASYSTFCRAGEYTNVQIVSAREDVVYCI TNFEGGEVEFGYEQDYPDR
PIMKLDITPPLVCGDDEVEVEDSISIDTPYKNYCGFFGKANFQPMAITVTDIDGENIGFI
DANITETASYTTYCVDEEYSNVEIVDINGDIYCVTVAPGNPTIEFVDNSGFMALIDVEPT
MSCNGIDGSI SVPCGFEGVALTVWPNFISSDSNITDSNSTVF
>comp2541_c0_seq1; 207 1 538 LEN=787; translated
XTTQHDKLRYDTARPKHCCFPTEHEPRPENATHRNPTPAMDKFSPAHVGANELPDGFTQV
NPNGGGGPGGSEADFKKAAIQEQKQMIQAMDLQALARLGRIRLVKPEKAAEIENTIVS
MAMQKLPKLINEAKLVEILERKNRQDARSSEGASHGIQIQRKRYALDSDEDEDDDDDDI
>comp2542_c0_seq1; 774 67 3386 LEN=3686; translated
MIHSVFCLGASEPKSISLHRGELGKNKANYISAELNGRQWSDXNFYDEESSPTAGAITTA
SLPIPGRSFTLLKASTSASSLNVSSSSASSRKAESAHSVHTNQSGGNKFEGSMIAPSSHC
TPPRKKWERSFNFLKGNPNLSPTMSSSPGSSINSMLPAEDMSTGTNGSGASQSTTGGG
MRGSKKKSSFSIIKGSKRLVSRNLGKSGGLPSMFSGKASSGRIQRGHQSM DALDVQLR
KGQQIAKNDSTTLARRSLPSTSL LAVVAPSATTHTRMHFPSSVAEYTRTGPLHSSGLQKE
VDCHGDNRSANTETTSTTPPTFTSALDEQLRGSTSYNNMNATSTACHSPSFQINPVVSE
GEEQPNSASSAPQLTQLHRTRSNRTHIYSSSSNSNSRTNTPVRQYNHNYHDELDFRNVP
EMPTLKGRLIQNKHPSSSEFHDVGLNLDSDNSLVPENNGDTNLMSQNNSSHYSFSNTTP
TII TDGRITEPPENLDGALETIGGMVTVHTSSSSHLLHKLQGTERTVFPASPETKKAFTK
IHNSSTDSESPFLGGNKASNVDLAGMYNSQERPSSSNLLSKSLPTTTFAKDNI IHSNSS
RLLKPIQSADSWARGRRYL IAPAALAACPSSTIQGLSGLCTESVKEAATSTCPSKASGAI
ELGDVAMTYIGEKYHLSFGKFSCKLVLRQNYLFEYDLSAPLTNLPRGIAHLQHATAH
KDFEDGLELHFYASPCAKVDHRVLLIRVKNKDERDHWITCLNKAARLQIEDLWEIDEDHP
LGSGRYASIFAARRKNSKTANNSDEEDRCDKERSPIDDGKYNKALKVINKNEFWRMVIK
RERPDIVRELAVQSTLTAKFGTKQNFLOIQGFETSDKVVIELELLDGRDLFEYISSKG
VLEEGEAGCIIRDILVALDAMNRAGIAHRDIK PANILMTTSNESKYGVSVKICDFGMSTL
VGADGFVRGRCSPGYVAPEIFKAGPGEGRNKVDVFSAGVTFYLMMLCGYEPFYGETEKA
LIEANKTAELDFPESEWGKISQDVKDLVELMLDKNPTDRLTAKAEALYEPWIOGLEKNEKH
NTNRCPGGTNDDTNNPRLQGGICALM
>comp2543_c0_seq1; 279 376 1024 LEN=1024; translated
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LVLETVREHTARAEAREKAAAAAETIEALLEAVLERLEQRKRPAARETFSTPRKPARPL
PLNPNPPSASGQKLWTOQERSIVVKGLAAYGMGSAKRVAELLKHRNYSQTRGFMRRNADS
IRREIEATTGYATTEAEKQEILDSIAAENEEDGEDDX
>comp2544_c0_seq1; 86 1 639 LEN=639; minus strand; translated
EVDANKDKDLDEKPGAPMLFEKDAPAI AVVVHARLSNTRLDAETAAXQHPEERSAVDADA
GADARARARAFARAGCPTEQWLLLQRHLCSSECFQKEEWMGASFASVPCTDLWIYGTIGKAI
VWGDLESELLLGI PREWGFCSATDRWPVVFVLGVFGFSFLTSSVVGTVQVQVPSTGLYGN
RIVLLAPNTHTYATFQSTYVHSVLLLVPGSCLWX
>comp2545_c0_seq1; 233 1 801 LEN=915; translated
AQTSTGNLDQYSTVLTDPARPKRHTQTEPTQTKRKRNPSTRMADEGTKIESVGLAPEVFV
LVAHAHAVHPASPVHGVLVGSREGGRISVHGAYPVCHETPTGVLVETALSLVQSSLEEDT
SNETTTEIVGWFTAPELLHEKAPGPVALRIVASLAAATSGGGTDPVLLVVDNEALLALAG
GGGAVLASEAVRAFGKDLGRQWKEPVGSLAVESDAGAAEAAAASAIREATGAAAGPFVRDL
VDHWKAGAASEWTTAASLAAFTKKHT
>comp2546_c0_seq1; 472 134 1738 LEN=2213; translated
MLPRFQFLTSSKLFGLSSSLASSVRSFSTPTTASELLRSSLKDPSLWEPEDPSSPTD
EPRFPVFDPSPTLLAEISTRDPKAAIEKCSDALPAWRDETTAPHRASLLTKWSSLMTE
NADDLATIMTLESGKPLAESHGEGINYAKGFLDYAAEAIRPTGAGGGFLVPSPPFGPSGG
PKGQVMVAVQAVGVAAMVAPWNFPLAMITRKVGPALAAAGCTTVAKPSELTPLSAIALKHL
ADRAGIPEGVFEIVTASTEGTPAVGTEFCTNP IVKKISFTGSTRVGKILMAQSSDTPVSRV
SMELGGNACFVVFADANVDDAVNGAMTAKFRNAGQTCVSADRFLIHSSIHDEFVSKFSER

VKTLKVGPGMHPGTEMGPLINASGVQTITEKVKA AVKEGATIYEEVALPEKGS GPQFYPP
TVLTVNSADSEIWKTTETFGPVAAIRSFETEEELAIANDCNVGLASYMYTNDLSRAFNF
SKMEVGMVGVNEGMISSATPFGGVKESGIGTEGSPLGIKEYLETKYIFMKTAN
>comp2547_c0_seq1; 197 185 631 LEN=798; translated
MSCSAIRKSPDSMHAAAAPVRVAAPPPHSHYFEESGPP IGAGSEKLHTRQVKGA AVAG
GVTGLVLLGPAAGLLAAGGAALATTKGRGKLGRAARATGDSVSDLGRSAKKFDQKHGVRE
KTSRGIAGCDWISKKLDKGKEATRKY
>comp2548_c0_seq2; 171 383 916 LEN=1369; translated
MTFPLLLSDDGHSIQSLITTTTKQRSSVLTRVWGKITESMKFDRKEIAKMGIDFGLTYN
MISNINGSITLSTAWYIASMKSGLSPLAPGNWRSLLAAYASLYVVAALARPFRIFA LGV
THKMEHFVQHVQKRIGCTRTNAIGLIFGFGVVMWITCCAAGVTLASTLAGVPVWKYD
>comp2549_c0_seq1; 189 199 766 LEN=881; translated
MSYRRGLLRRVGNLRISYNSWGNPRFFGNVGFDDFYNDY YGNSWNVNFWNWNIGAI CVYN
DPFFYGNFRNSYRRVREDANYIYYRANDGTVNSRDRMIRRRKASSNNVANGQTVKKVEE
EIHREQINEDLFKTSLLTLEEEELSLVQITIEREDRFKMNLTGTGENPSSIQIITGKKERL
ETLLPKEK
>comp2550_c0_seq1; 403 216 1373 LEN=2362; translated
MVDTSAASECLELIYLSIFAYIESVLISFGIQHDTAIEKNPREELECRNKTD CIDRCLG
TKRPVDLWELRELALSEGGLLRAGYRQKAWPKLVGLTEEDIPELELSSTYSESPSSVRS
RNESALWSPSTTATTSTSCLIIEEEKKSEIEANVDLIRRDAGRSVIFRYHLGTS DANPIV
PPCASERLAQVLENTIRQGNSSLHYYQGLHDIAGVVLHNMDYQVDITSQILQRISHSHLR
DAMRENFSNINWFLNVLLPPLVERVDPSVHYSLQMANVELSTVCLPWMITWFTHDIHDPE
TAGRLVDAFLSGHPLMPMYFAMAIITHPLLKQELLNADPEDTSSIFMAIKSMPSRLKTKV
EEDEQLSEQQHVSLQEVLEDCITIM
>comp2550_c0_seq2; 450 216 1730 LEN=2250; translated
MVDTSAASECLELIYLSIFAYIESVLISFGIQHDTAIEKNPREELECRNKTD CIDRCLG
TKRPVDLWELRELALSEGGLLRAGYRQKAWPKLVGLTEEDIPELELSSTYSESPSSVRS
RNESALWSPSTTATTSTSCLIIEEEKKSEIEANVDLIRRDAGRSVIFRYHLGTS DANPIV
PPCASERLAQVLENTIRQGNSSLHYYQGLHDIAGVVLHNMDYQVDITSQILQRISHSHLR
DAMRENFSNINWFLNVLLPPLVERVDPSVHYSLQMANVELSTVCLPWMITWFTHDIHDPE
TAGRLVDAFLSGHPLMPMYFAMAIITHPLLKQELLNADPEDTSSIFMAIKSMPSRLKTKV
EEDEQLSEQQHVSLQEVLEDCITIMNRMPPRSLDLIDSNIYRSELLQRMSSISL FKAP
ASWSMASGGLPRSRNELNDIEGTTYCVRAKLASGVPMLMNTVSESTVIRRKSWGSRKYLR
KKKTQRMKKLTRIILGNTTNTKMS
>comp2551_c0_seq1; 433 62 1003 LEN=1286; translated
MIALKPFVALLAGTSSAFAVIQPASSIAKATTTSTILKLSGGAVGAGTAPELKPPPSL
YQGAVAAGVGKASKTWGDI FKLGI VSGCHIAFGAYLAITVGGACSGIAAENPGLQKIIFG
SFGLPFGLIMTLVTGGELFTGNTALVTAAYKEGKISGKD LIKNWVSSYTG NLVGSLLLAY
LAYKSGTLAASPASAAIATAKCSLPWDVAFVVRGILCNWLVCMAVYMASGCAS MAGKMTAV
YFPISAFVALGLDHSVANMFIIPLGMLRGADITIKAF LMKNLIPVTLGNIVGGALCVMAP
FGSVFSGWGKSD
>comp2551_c0_seq2; 390 62 1242 LEN=1525; translated
MIALKPFVALLAGTSSAFAVIQPASSIAKATTTSTILKLSGGAVGAGTAPELKPPPSL
YQGAVAAGVGKASKTWGDI FKLGI VSGCHIAFGAYLAITVGGACSGIAAENPGLQKVRIG
VENMEQIIFSSGLLRNDQSFHRS LNEFDYRIQSVFQDLLKRHSSVSIYNQELFRVLT VVN
NLSSRLTFAFTFHKKIIFGSFGLPFGLIMTLVTGGELFTGNTALVTAAYKEGKISGKD LI
KNWVSSYTG NLVGSLLLAYLAYKSGTLAASPASAAIATAKCSLPWDVAFVVRGILCNWLVC
MAVYMASGCAS MAGKMTAVYFPISAFVALGLDHSVANMFIIPLGMLRGADITIKAF LMKN
LIPVTLGNIVGGALCVMAPFGSVFSGWGKSD
>comp2552_c0_seq1; 927 455 3430 LEN=4711; minus strand; translated
MEGSASKSVTHRKPVIKIEDDDVALDEKRDAGCNKPTDETPGKPTVPVKASSTTMKSLN
TAGAKNVSKAPASVVAKAETNATESKDKATIKQKGMGHRDGNETTCSDAFDAIADIASKA
HVRSKRRKRARFDKGTDAFIKDCSRSQVTSNASASTLMAMSCHPPTVVTASISNHVPPR
LISGTGLAKQNGSTKNKDYSRRLDSHSSGNKNKVSVHMLNSVGLECGDDGVLQLEHFDD
EEIPSTHADDDGDKAAAIKAENNAGGDENCDTSSNMLAVTKNKPPQWSLEQHKAFAAAI
FEIGLKNCSPSVIMENMRKQPRYITRERTKSHLQKYRQTKERGRAEFLKEYDVFFKSIEQ
AKAHLNRKNCISPSSEKEPSACSDTKGNVNVNHKEPIPKAVLTTALEGKPKNLLGGKAA
ALLSYSVLNNFSTSHGPDQLQYKAAKLMEFPI MSEEEKRSSVGASLLQVKS LIDNMTDAL
LKQRHGISP IPAHKTGNGDEESDSSSSCSSEDEEDNVEGNAANNKQQINKSLSKD
QDPATAAVPTQQTGPFATATAAPGHPFYRGPTTAYPPYPAPVAPASVGTGFALPYPHAP

PSFYGGAPPPPHLQAAAAPPPAFGAPVAFAAHPMHYTQDARINPYQQAPPGQVQVAYPGVP
PIQPNYYPGVAGYPAYYGNTGEGGMAPTUNGSNPSTEYNRPPPQPSYPQQTGSSQQHQQQ
RVYDQSPSHSNEGRGERRTFDLSGDSPTDASNRSSERRSKRRRTRDHHSENRSVDTRNM
PRKSRDDFRDFLDRLSRMPSDPKAPQRTSSSPVQRSSRGHEKFKSSPSSMHPDDALPKTS
ERQSRHHGQQYERQHYDRQFESSGQSKSYAKDFESPAGDPFSESEASRFASPYEASPIDN
ALNERQSQGHVSQDQQQQQLKQNDINGQFWESSNFMGTEYNDQQQQNAGGGDFHQQPAQP
DVFVPVTHNRRYGNLSLSSPEGEATGNFFFGE

>comp2553_c0_seq1; 493 269 1789 LEN=1973; translated
MSDDDYSYEYSEEDYEIGDDDDMDWNSSATCTIASENPNAAPTGLAGVLNGIRISPA
DDLRPENKRRLEKEVTEILDIPAAAASVLLREHKWSKEQLFEVIFYADSEKLLKCGVSNRC
DPKDPKTPDDDDNCCPICYDDMEDGQKMSMPCGHEFCMSCWHDFCANAIEQEGPSCVYV
TCPEATCTEVVTEVEFQKAAPDYLQKFQTYQLRNFVESNRLTRWCPCGKGCDRACAPTAS
AMEQDGNVANCDSCYTSFCMVCGEPPHAPSECKDLAKWNEKCRNESETANWILANTKSCP
KASRIEKNQGCNHITCQRCKHEFCWICSGDASHGANTGGYYKCNRYDPKSTETNDNSA
AAKAKRELDLYLHYKRYHAHSEAQKFAKKQLKETESRMVMLQESSDNSKWTDVEFLKTA
NEQLVECRKVLKYTYVYAYMNPNDTLQKERFEYHQEMLEKFTENLSEQSEKPLDKMDRT
DVVNQTRVDRFMKNILKYVDEGMEG

>comp2553_c0_seq2; 493 153 1673 LEN=1857; translated
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DDLRPENKRRLEKEVTEILDIPAAAASVLLREHKWSKEQLFEVIFYADSEKLLKCGVSNRC
DPKDPKTPDDDDNCCPICYDDMEDGQKMSMPCGHEFCMSCWHDFCANAIEQEGPSCVYV
TCPEATCTEVVTEVEFQKAAPDYLQKFQTYQLRNFVESNRLTRWCPCGKGCDRACAPTAS
AMEQDGNVANCDSCYTSFCMVCGEPPHAPSECKDLAKWNEKCRNESETANWILANTKSCP
KASRIEKNQGCNHITCQRCKHEFCWICSGDASHGANTGGYYKCNRYDPKSTETNDNSA
AAKAKRELDLYLHYKRYHAHSEAQKFAKKQLKETESRMVMLQESSDNSKWTDVEFLKTA
NEQLVECRKVLKYTYVYAYMNPNDTLQKERFEYHQEMLEKFTENLSEQSEKPLDKMDRT
DVVNQTRVDRFMKNILKYVDEGMEG

>comp2554_c0_seq1; 648 106 1794 LEN=1922; translated
MSEGTDCCTENPTGLGADNFLSRITFRKASPTDILRCVEMVKKESRSKGLMFVSKNELEYR
QHAAANYRCAVYEDDEGNNDEDTIVGFITGIRVGAIEEADKVVGHALTHVVPHPDNGEV
LIIRSVIVGEEYRKQGVGKAMIQDYIGAVRELPKQSSSKPKSSKKKPIQKIVGLCWDHVL
LPFYLACGFSLQQAHKVTGACTETEKSDELRRAYFFESSLAATFDYGIFFGDGNNDDGCNY
YIVDSFASVPGTGNPASVLLREEFDPMVKHKWQKVAEEFNLAETAFCWPKGSNTGNDH
ADAIAFFKNESHWNIRYFTPTTEMGLCGHATLASAAVLYQTLPEVLPSGTAVVFHASED
ILTMNLENNGEKEGISAVSSSRQVSKVSMNFPKPTKDISTREKATVRNMLKSAFIDL
EPLYVGLSDIGDLLVELSPKTFSEIGYDSLNFKAFFEWGYYRGIVICCAAPESAVKDKT
DKSIEIDFLSRFFAPKAGIDEDPVTGSAHCSLGPYFAKKLGKRRVGRQMSVRSVVECL
VAPDRVTLTGTAITTMRGQLFM

>comp2555_c0_seq1; 553 261 2141 LEN=2388; translated
MIRSRAVNGNNTVGKSAGTSAKRGTRPGIRKAPRKESANPFAAILYAVLFIMICATVGGF
YETSSMSASDKVPPPRQLKTNPRILDKIRKEFNARYNVSGKIDGQKMLEKGLHSFGSID
HTARRIMEAARAQRPFVMAFSGYSITVGRGNFYKQSFPPVAEEILKGPMQELFNIPLVVR
NAAIGGIPSFYGFCEMHFLGSDPDVSWDYSMNEKSKDASVFEAFRQATKQLPKRPMV
IMMDTNANRMKTLDTYTQNGWLKDAIAIGNKDILKQANIFEGDAQDLPTGFQDWNEFGAP
ANCPGRGSHWPKKQEHSMGMWMIAMHFIEAMDRALKLSSEEPSQTSRMLSVEMPKLGAP
ISKSLPANDPEVTELLFGHGDNHMMKDLSCRTSFLPATDHDKTLKSVVVSGLAEGDLDIM
IDRTDEHYKEGWVLDVSKVERDTRKVEKCGGLGYVDMKIAMYGIPESGKLRLLWLPFEGA
LHDHAHHGHGDNHVLDTNAKHWFDDFIICEANDKRDDKACKLDRDLEIIVGGVPTVTSI
HIVKDAAEYLKRPTCVNVGVPETAKITTLGDLRTTKGKALSDEKFKFRSYGDDTFGMV
VDVTAKSrvTRKNGACCLSHIVWEQH

>comp2555_c0_seq2; 491 261 2380 LEN=2627; translated
MIRSRAVNGNNTVGKSAGTSAKRGTRPGIRKAPRKESANPFAAILYAVLFIMICATVGGF
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HTARRIMEAARAQRPFVMAFSGYSITVGRGNFYKQSFPPVAEEILKGPMQELFNIPLVVR
NAAIGGIPSFYGFCEMHFLGSDPDVSWDYSMNEKSKDASVFEAFRQATKQLPKRPMV
IMMDTNANRMKTLDTYTQNGWLKDAIAIGNKDILKQANIFEGDAQDLPTGFQDWNEFGAV
SRFFLRCLFFIGSTEHDXMRSSGKFCVAMDAFTKMLQHIVLARTSTREELFSHVSARSL
FFYCILKLSFCDETPLIYSPIVQDEVAGIQXKQEHSMGMWMIAMHFIEAMDRALKLSSE
EEPSQTSRMLSVEMPKLGAPISKSLPANDPEVTELLFGHGDNHMMKDLSCRTSFLPATDH
DKTLKSVVVSGLAEGDLDIMIDRTDEHYKEGWVLDVSKVERDTRKVEKCGGLGYVDMKI

AMYGIPESGKLRLLWLPFEGALHDHAHHGHGDNHVLDTNAKHWFDFFIICEANDKRDDKAC
KLDRLDLEIIVGGVPTVTSSEIHIIVKDAAEYLKRPTCVNVGVPETAKITTLGDLRRTTKGKAL
SGDEKFKFRSYGDDTFGMVVDVTAKSrvTRKNGACCLSHIVWEQH
>comp2556_c0_seq1; 211 301 1208 LEN=1733; translated
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TNQPGFLRHDKEGILSMANTGKPGTNGSQFFLTLKPAPHLDDGGHAAFGRVVAGTESLRKI
ASVERGERDKPVSLQRVVIEDCGRLFESGGGELGGKRDRKKKKKKKESKQRDRKRRRGGC
RGSDSENSDEDRRRTSRKSRKKRRRRRGYESSDDSSDCDGSVVGSSSSSDSDRGXPETV
SG
>comp2557_c0_seq1; 449 131 2156 LEN=2278; translated
MPQNPFRHLNDNGDEAYECRRRQFYHLFGVFLILGFLSSEASAFCSSSIPVIGIPRGNHEN
FHQRSTVIKNRKFSTGTSTTIPTRTNNRVKLRSTESEGEQRSLLEQIRYRRKTRSEIRR
DRRRKKRKLSETNPSLSTTVPHSGRHFVPSHPSYRRPLVQRLFSLKLRFRKRFMEGWYRLL
TLKEYDIDDCNIKGKSETNAVSFAIIISIEDPGIKSSNLRLACLQAIGPNDQYLQVQSTKD
DTKFWASKKSQSLGCTFNEHDNNNNTAHPKSRLDPDVWKEVTKSGFQITDDSSFRATSTP
KHLKPRWVGRIHGHGDSHGGVLEGGVGGTLEFDFELDPDSVCGYGGYTTTTIGDANATF
GHTANTTKSNQGIPIPDFSTTNGSAGKRRRQSRDANRQKSTGGWLSFPVFEPHWQVTIADA
LATGKINWNGTEYRFKQSFYAEKNWGDALPSKQWYWTQCNSFDNIEEELSVTAGGGVRKL
PFGKEEELGMIAIHHKQGFYEAVPWKGNVENVSTWGEWSLYGDRLEETIDHDTGRITPA
FAVEIQYRCDPDKLPLGLVFRAPTPKQGMVPCFRDTFEADTVLTLWELKRNENTNEFEKIE
PPIIDRARSKEGGAEIGGGPWETWSGKSQKPLIKTLLNIPNAFSATDRYLVSREKTLR
QPVSEGLVKVTKFV
>comp2558_c0_seq1; 206 53 319 LEN=644; translated
MQRQQSFVGLERSLMVKAKTCDRLVTEVMQAKKKMKEVDSAKQTFCLKIQIPKMEKQIAEL
KVELEGLLDEDEIDPCGEYYELAKKLLA
>comp2558_c0_seq2; 203 340 522 LEN=847; translated
MQAKKKMKEVDSAKQTFCLKIQIPKMEKQIAELKVELEGLLDEDEIDPCGEYYELAKKLLA
>comp2559_c0_seq1; 348 609 1547 LEN=1601; minus strand; translated
MATLKASIAASESEIAASEAEIAASKAKIAASVAEIAASGQHLKDLTQELEKLRAESNAA
EENHEAAKSMVMDLTEETYTDDEDSGESTKKVGSSEKSRSRALSTTSNGGIVSQDERRS
SVKKNVDATTRGFLPFPSSDGGSRSKKSKTPAARIVYLPQQRSNCSIGRTRKQLNKIK
GMVKYMGPSKFRPDVCKKDGKIYTLVLSERWHNLVERNCEKQICLVRRGPKTTPAEKV
GEWKESIPIFHVPKQPENSEKKLYYAGHWKVEKMDKLNHPMEFKRSPRNMKLTFAFDRFD
SKLNSIIQNNQE
>comp2560_c0_seq1; 483 96 1622 LEN=1662; translated
MDTSEQRAQSTSFKFPFTDNEDADLNLSKSFHEFRAPKTPVGAPSYNEFADVNFIAVPSD
MNLGLSPIAVLRDSDASVDSVCKSSGEECEPQIPISVENTNDATKSDLSTTGLEIDKLIP
PDDHSSPSKTDLLHSAMKKVGERSSNFIDKIRNAAHKRKVAVTRSRDSLVAKEQEQLRSI
AESKTRLLSLNEELQIVEKENEETTKESVSNTGKSKPKHSYKNNKGGFGGVPKVEKRP
TTTPLSPMLGSRKGGGRAPRLVENSRRGSGRGLKNGPTAKAIDRSNFSTKGLKKSIRD
HKDAASGTTNGRFAKRGTDSSKLEGPNEEISIRNFTVVQANVRRWNAGQIGIPKVSRAV
TVPVSPCLGPKRQSRRIAGSHDEENSNSNGRIILKVEVDASKRANGSISSQNEVMTSPSTR
MSPLLGLNLIDSVQKVRYACSESDRELALKSSFPVPRSTTRAKMRSRYDILRKEKQEI
RRSEERERLQAQIKVIHRELRLVGLKDLT
>comp2561_c0_seq1; 302 439 1110 LEN=1482; translated
MTENFNYSHFSPGKSRVGYVGNLYDDVVCRIADDGEIQVKTPGKMMGYFKNPEATAETI
TEDGYVRTGDKGELDEQGRKLGITGRKEIFKTSKGKYVAPAPIENLLISNQYVELACVGG
KSQPQPFQAIQVSESPKAKAIGSEGEREVLGKALEEHFINSVNSKIDGHEKLQFVVIVKD
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>comp2561_c0_seq2; 639 81 1772 LEN=2144; translated
MSDDTKTILDFFFDNVKKLGAKTFLTQPMGGDVVKTFSYQEVLDKAKKAVAGYIESKGYPP
KSQIAICSKNCAHWLIADIGIMLAGHVSVPVYPTLTAETTYILEHSESKMVFIGKLEDEK
PWQEMKGGIPSSIDAVSFPLCPKDTLHAKKWDDAIASSSPIASVSRKDEMATIITYTSG
STGKPKGVMTSFGAMTDTTKGICKELSVTSDDRYLSYLP IAHGMRWLGMCVPLYSGEQV
WYAEALTTFIADLNRCEPTLFLSVPRLWTKFQAGVFSKLEPKKVNLLLSIPLINILIKK
LLKTLGLSKVRFAGSGSAPLPQDLLNWRSLGLELLEGYGMTENFNYSHFSPGKSRVGY
VGNLYDDVVCRIADDGEIQVKTPGKMMGYFKNPEATAETITEDGYVRTGDKGELDEQGRK
KITGRKEIFKTSKGKYVAPAPIENLLISNQYVELACVGGKSQPQPFQAIQVSESPKAKA
IGSEGEREVLGKALEEHFINSVNSKIDGHEKLQFVVIVKDDWLPENGFLTPTQIKRATI

EDTYDPKVEGWYAAKKKVIWDGF

>comp2562_c0_seq1; 457 505 2854 LEN=3098; translated
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PSGVEPPSMVSGISRSHFVGTWLAGLSEASPLSSALGEMSENSKEIKKKLDEHEYVETVF
AGYEGDRRVSPFGYVDVEHPPSAPVPTRSMSMEYKEKIDQRDLIIPAAKYDLRIGLATEK
IVDPNVTTIIPPGWSLHRVKRRRSYKRKDKNMGWQIDVTEVTSTPRHDL SKKTVVYEIEME
LQADVLLNLINMEDKDQIRTEETHKLSQQLWWILSHLNPLEETVDVEEYLIDHPDKKAVQL
ALATCGALKKFMMDGRPSHAHQPIEVGSLPLANPGTIPPPSLANTKFCGCMPIGFSRHNI
EDVQRGSKYFLSEKTDGVRHFMIFTGETVVLVDRAMRGKQCIPIAKHQQEKSAEPMASVI
PLIKAGTVFDGEVVMHRGNGKKGPRPLFIVFDVLTIGPSAVVMHLPFEKRLEHLKRATF
RTPANRDMFADSAIADLSIPLPLVRKNFVQRTDIAELLNVIIEKGFRRSRRPLIHNHL
TDGIIFQPNLPYKCGTDVNLKWKYLDCTIDVQLLLEGGYRPRGGVEEDDDPLKGVGGP
DNTSVDMSTRYVKLPASERYRLEADKMEVSKSIHIAEVGFDP LSGEWYYLTMRPKIAPNH
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RR

>comp2563_c0_seq1; 256 1 1230 LEN=1838; translated
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PNQRKISFSERLPEVSSACPRAFRNMIPPTSCLEVEELQKDP SYAHALAAGTIWQSLVQGH
VRFPKLWYDGAEPARPF LGCYDPNRRNKWSYVGRHRIEGDPLLNRRYVRSKSSGKILLH
IVCRDVLNLTGGVDLEDEAATEDLVGVGFHPNAEGIH SRLGNPSNHGSIGIDCCRDVWIA
HKSRRIAHNKKTATRIE SLLRNLNKNRVDETPLGGDFMHSEPAQTKRIRRTIDNTNVN
IFGRGPPKHTVVFPEHKLYRMLAPLAETENKRNKNIPASVLLMRTFLR

>comp2564_c0_seq1; 162 429 645 LEN=645; minus strand; translated
MGREARRAFPALDFFVALDFFDGEVDGEVDLDFMTGGDVASLIRDGKMDGELGGEMDVKM
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>comp2565_c0_seq1; 1056 330 3013 LEN=3284; translated
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LEFVTAVERDSSSSNDPGENEEACELDTSFKVVEDWKEHKMDATCRSNTTSQQSPVVK
YVLDREWEPEVIFRYENATARIPSGPPRHSDIPSTALCFV DNAESYPAGLATTGSSANG
TNTTYIDV DATLIRTLVDFPNAYERFHAYANAAMIML MFDVRNPQIVMLGKPESKFIYD
EGDRDFWRLFSDLEPIYIPWGKDVGIPENANANVT AHDKNTIYRFREIIEAPNAGLSMVN
TKSKASGIRGRATEHHCMS S LFRGVMAWIETKTFLATNAKATKAIDGNRGKQNGIGNKKV
EVFSRRAGNHSGESDRSTPTEGSTETAFATAAAVAATARTTEPEGAPLSKQPPRLVKIL
WSSRRPYCCRDGGIWFPKRVL MRETEFLEALLEALYDNDKTTTRANEYEITSVEFGSLST
TESIRMAESTVMVGLHGAGLIWSAFMSGERGDDGDDDDGNFDYDDEAKVEEMILKAQL
RRNGGKSRRSTSSVGSNSNSNSIPKPGQSRVSNALSAAIRRSKRDNEDMLAAITSKIYP
VADILCVQGNQRNSRAVDLDPFLKEDSVVEGM DRDFAAAFFPPSQMRCLALVSHNEMKSTM
RKFFVANKNLLKKFRLTGTNSTMTMLREVFSD EPAGTVMFGPACASGPLGGDAELVSLMV
GGRIGGILFFRDPM SAHPHRADIDCLVRQALVHNTMMAETPTSALMMCHCLRAALKGEGK
PEMIP SFFFSLQCP SVEAYKAEQKR VVEMQKKMARESM TTRSSVTSSALAGAKDYXVLP
VRVKPRRPDAEAEAEAAPELEAEAEAAAGTDARWC SRVAGLHFLQTICTVEEY

>comp2566_c0_seq1; 322 225 1133 LEN=1669; translated
MGYHRSDSEKTYAIKCVNRKLTNEDEVALLDEVSILKEMKHN IIRLFDFFKEPTSYYL
VMEEMDGGELFDRIVAKAYYNEKEARDTCKILVDAVGYLHENQVAHRDLKPENLLL VSKN
DDSQVKIADFGFAKKVLKPKSLTTQCGTPGYVAPEILEGHPYDERADMWSVGVILYILLG
GYPPFIENTQRELFRKIKRGDYEFHEEYWGTVSKEARNLIKSLLTVDPELRLSAQQSLEN
PWICGDGKTLAKRGLDKNLES LRAFNARFKFAAVSTVAVNKLNSLGNAFKNLDMAD E
SP

>comp2566_c0_seq2; 350 407 1432 LEN=1968; translated
MAFEEHDDTPVPSSKSGKHFEELYRLKGVLTGAFSTVRMGYHRSDSEKTYAIKCVNRK
LTNEDEVALLDEVSILKEMKHN IIRLFDFFKEPTSYYLVMEEMDGGELFDRIVAKAYN
EKEARDTCKILVDAVGYLHENQVAHRDLKPENLLL VSKNDDSQVKIADFGFAKKVLKPKS
LTTQCGTPGYVAPEILEGHPYDERADMWSVGVILYILLGGYPPFIENTQRELFRKIKRGD
YEFHEEYWGTVSKEARNLIKSLLTVDPELRLSAQQSLENPWICGDGKTLAKRGLDKNLES
LRAFNARFKFAAVSTVAVNKLNSLGNAFKNLDMAD EES P

>comp2567_c0_seq1; 591 92 1822 LEN=1952; translated
MEAA SQNQVGANN TREGRGN NNRNRRRGGRRGRRGRRGRRGRRGRRNRNSEN
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ENSQNRNYPKKHKEENMDSNTNKRPKKIKNTPPARNENGSTHGG SASESKKLAHITNN

RFADLKISAESRRAMAIEVFQYEFMTAVQSETLPLILKENKDCLAKAKTGTGKTLAFMIPT
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NKDIKSLVGTTPPIVVATPGRLLDHLQNGGLAERMNRDLTLIFDEADQLLDMGFRPDIERI
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PQALSVQALANVLERETKSNKDYKIVFFTTARLTGFMAELFNSVQKETGYDVLEIHSRK
SQKQERERASEEFRRRKNAVMSFSSDVTARGMDYPDVSVFLQVGLTDRSQYIHLRGR TARAG
KDGKGGLLLADYERDYMVKKELADMPLEVTVPVNLQDATAAISKAIQNVSKKNDLRNSAE
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>comp2568_c0_seq1; 841 134 2575 LEN=2910; translated
MLALQRIARTRPSATSLFPSRGVSIIPSAHSSSPFSSVALRFDERLGPQDRRIPHDRARP
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HAKSADEAYQIGFGSSPSESYLLQEEVLEIALRSGAEAIHPGYGFLSENAEFCQRVQVQET
NGGVKFGVPPHSAITAMGSKSKSKAIMEKAGVTTVPFGFYGDSDEEQEPLHLLERAVQDVG
FPLLIKAVMGGGGKGMRLVWSESEFLEKLEACKRESLNAFGDSRVLLERYLLQPRHVEVQ
VVADDYGNVSLHERDCSLQRRHQKIIIEAPASDLSENLRQLGEMGCRAAKAVGYVNAG
TVEFLLESNKTKEDPEFYFCENMTRLQVEHPITELITGIDLVEWQLRIAAGESLPITDPA
AIPCRGHAFEARIIYAENPGTGNFLPTAGTVWHHEPPAPPNAVGVGEDNLRASNGVRVDTG
IQAGQEVGVYDPMICKLVVHDESREKALEKLTDAKRYQLSGVPTNIDFLIRCAEHRTF
RKAGATSTGFLDDHMAEVLPPVENEPPELAIAIAVFAASLLQSEGRIGVSDFEAERRIQTS
PWNSLSGSRNNGGHSCQKLETADGTSVETTAFRDGSFEIRITKTTEESNNGNGLTFHIGG
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>comp2568_c0_seq2; 780 134 2724 LEN=3059; translated
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LSRFSNRQVTPNAVLLNSIGFVPSVLDLRLVFDENAEFCQRVQVQETNGGVKFGVPPH
SAITAMGSKSKSKAIMEKAGVTTVPFGFYGDSDEEQEPLHLLERAVQDVGFPLLIKAVMGG
GGKGMRLVWSESEFLEKLEACKRESLNAFGDSRVLLERYLLQPRHVEVQVVADDYGNVVS
LHERDCSLQRRHQKIIIEAPASDLSENLRQLGEMGCRAAKAVGYVNAGTVEFLLESNKT
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RIYAENPGTGNFLPTAGTVWHHEPPAPPNAVGVGEDNLRASNGVRVDTGIQAGQEVGVYD
DPMICKLVVHDESREKALEKLTDAKRYQLSGVPTNIDFLIRCAEHRTFRKAGATSTGFL
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GGHSCQKLETADGTSVETTAFRDGSFEIRITKTTEESNNGNGLTFHIGGTLSSDQYMQIV
VDGSKTMALTVALREMDGQYQVCMWPQSLLLRNEGHYFWEVSVPNPRIPTMAQNETGFSS
GQGVVSAPMPGKISKINASVGDVREGDVLVMEAMKMEHTVPSQPQSGIVSSIPFQVGDV
VGDGTVLAVVGSEEMKDEAEAV

>comp2569_c0_seq1; 777 342 1912 LEN=2192; translated
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EAMGLMSGENDYENDYSEPTNGNMNMDGKEIRIDSGNNNYGGVGGDIDDEEINFDDF
MAGSKGSGDNDGKSMQDIYAIDGGDQPQGGESKDDAGAPGAESSNATTETAASKEPP
PAGLAADVPLKQFENALALIQDLENRIQVLETDHQCLTEENMVLREQTLTSLQATVLADLE
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TDSLKQSDFLKDVVERKEQENDDGHHQEKPNGPLAFLRGWGNRNNKHSNSKANGDKNDA
VPSGESDASTGGGASANGGSSGSKDHGSESTIETSKGDFNINITLSTSRSGDDLDPDMEQ
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>comp2570_c0_seq1; 366 176 1402 LEN=1639; translated
MAWSSPKNSGRRTTRTPAGPIYYDSKHSVAILLQCNGSAWLRVIPCILNAAFTAALT
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TQKAIVFSRRKNNDTSAKEWRSEIAYRSLLMARMTTANAEPVAQIPAHEVAELDGPPEL
QFCTPDRDFLYHAEIPYSKGIHSLLRMPWKIAELIRETICGQEERLVKPMSTDHEMNLLA
TVDSILAGYHGIQNLMLTPVPPFLVQMTLTLTMVYVFTLPLVFLKDDAQRSLGDCSRVF
FATYCFGLGLAFVAQDLDDPFPCGPNDFDAAGCFGFALDDVVTMIHDADGLEWADALRYKC
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>comp2570_c0_seq2; 330 176 1543 LEN=1780; translated
MAWSSPKNSGRRTTRTPAGPIYYDSKHSVAILLQCNGSAWLRVIPCILNAAFTAALT
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TQKAI VFSRRNKNNDTSAKEWRSEIAYRSLLMARMTTANA EFPVAQIPAEVAELDGP EL
QFCTPDRDFLYHAEIPYSKGIHSLLRMPWKIAELIRETIVGKSAIRLPAFSVQIAN SVQQ
ASLTLNFARILPRNPMLSFALPPWFATAKNDXVKPMSTDHEMNL LATVDSILAGYHGIQ
NLMLTPVPFPLVQMTLTLTMVYVFTLPLVFLKDDAQRSLLGDCSRVFFATYCF LGLAFVA
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GAMTGEREGLLPKHKHGGGDDNRPWKHAPVPDWMA

>comp2571_c0_seq1; 575 477 3236 LEN=3767; translated
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ATLTD SFNFPIENNGMAYERHKKRHSASRLVGVPGASTSSATSSHKT PETGPLFVASLNSG
EARSKSFNSRNGGSHLVGDQSNMSSSIDKGHC PGAIINDSSIAAS PFSQDKNASAFHTSY
DEVQSNSTMQTNRGQLN NVGDTQGN GHIKSRLPVTKDIGLTVNEPSDYSFADSGGVSNIP
NRNF SNFGMNRV GKPDVNFTYGIQQDMQNLWSDAGGSRGGG NLSPTGK PQSSNRTIESM
DGGGVGIIDGNRHRGSSPQGIDAENDLRPFTWDTNQHETSRTLAI FNAAAIPCNQIEELC
DNFGAIENFRSEFWERVGVIFISYFDMRSVQFAAMQLPRRLQGLHPTGGNIHIKYCIPIN
SSSQNDESLVVINDLPQGIGQSNLGSYLSQFGAIRSLRSGSYGSFIAEFNDLHDARQV VY
ELETRQPWGPDVSI EVGIRSPADRKKGRELLALLGRWR TKGGAGQGAPPNRGRQLVNTPD
TYRSR PDSRGMGGHRDGRYERGMHNE DHP SQLGYGPGPQDARYNHGGNTYV VHHNQHQHP
SYSSYRGS HHPNDHIGHGHHGHTYMNRPVSHQPSPHQQYYQQPHINHG NFPGGSSVI
SAGSSRHTGTSGYYTDDRSIGSHTSHGSMNRSINSLVDSMAGSSRDGQS QNLILDLLELVE
NELDKRSSLMVRNIPNKYTQQMLLNEFTENGHPGII DFFYLPIDFKNRCNRGYAFIN FV
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VSDGPEKGRLLPFPVSSRG

>comp2572_c0_seq1; 566 421 1728 LEN=2303; translated
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LPLNGVNAVDPAPSGQTTQPPKEEYIQTEQDFLRQACVRTDQCII SF CGYPPPPPLPIPP
PVPPTPPPTIPVPVEKNLEVE TNYLWLLFLLLLLCCRRR WILCPVAKDDDEENQERAP
DDPAAMGSLPADIENRPDGFEGDYNDPDANKMSMKSTAATEV GEGGGIRYYRVVQEPEYE
EPPPPPEPKILDQYDKGVPEGDGMK LKHIEKDGPPPEDDPYALEHYEPDGGVVEHKRKG
KWSFLAGGGYKKEERAKKEKSDWKRPGYNRAAKKEEDDPNRRDRNLNKYEGGAI FDHLD
ETDEPAKRGAGNSLEW

>comp2573_c0_seq1; 90 1 129 LEN=217; translated
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>comp2574_c0_seq1; 963 101 2680 LEN=3009; translated
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ALINRTPSKDRDNKGSKKREFSPIKSPGKDTSVIRGPSSTKKIQSKI QEEEEIKWGNNDNA
DVVGF GDNKTTDANQHSFFPVASSAATNSASNSFGFQINPIGGH SKQNVTKKCHTIP SRE
EQSSANPQSSYSSVADPTDFFSKEQT TTKLTMSNLAKMDSSLDNTHSISAGEKEPAMGGI
ERMVKERKFYQFTIDEDKASTVVESTFQLPADYPYGD RNYSIDDETOFSCSETSQETRI
QQRSKTNEIVSKTSEIVTDDKLNPIHSGQNADDVNEFDAFFPGTEGDEKDGQKEFDAFFP
LSTKKDSFFDECSSNQQESRQKLAATESDISSSWGDAYFERSYKSSTEFEGRCRAQRGRC
DERRVQKASTKSLASQQVSI TSLSYSPSPVHKAKSTDIPQNGRQPLTHKNTQSGAENNNI
VPSGKKVVQGNDFRSENSQRKSSEFQFDDFVARPPSF KKRNSSIASSNIQLPPSDPFES
LPNGASAKENFAVRSNRPEDFGGDW RAYQKNQYPIHRRKSFEEEDKDDDDNDSFDDVGPW
EKQSSFNGI SRAQLRNSGNRSRLSRHNYSPANRPSRNQYID DGYVDDDNRSTGGFSFEK
PSRSSAGAGSYAKPLALPSNAIVASMLFRTHYDIDQNDVEEKINKFEEENSKQREIRHLH
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TRQVTQAEQQQLPPGLYEA

>comp2575_c0_seq1; 256 1 872 LEN=1620; translated
XLLKFKKSDAKQPPSPPTPLEPTPTNAEAGKVKGKGLLRFLDSKKEEPPSEPQEPAPKTG
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KPIITTNSTHRSTQSRSNYSIGSKSSSGGTKE SVEELPSKSYPPP KLGSKNPNSGAGA
PNSPWKPKSRDSDAERPHASFLANAGKPRKRSTGTVPVLETIQADKQKTNFVKFAAETNF
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>comp2576_c0_seq1; 892 54 2120 LEN=2175; translated
MLFKQATTLGLFLAAVGT TTTAFTPSFGVSPRTVSSLRSTTEDIEKKNVEQTEDTSREKV
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LGFWTPEGYWRFPIGDKKAFEELLMEQCGEDGPKAIAEWNALRERLRTLGGSTTAVALLN
LRQDAGFLATTAGALPFVATHPDVFADLPLTFDDLSTVDEIVTVPFVVRNFIDLMCIFCG
FPAKGAMTAHILYILERFFFEEDAASFVPVGGTSQLGETIQRGLEKFGGKQLQNAHVDEIL
IEDGRAVGVRLKNGNVVKARKAVVSNATPFDTVKLMPEKEDEPKKLTWRNDLGTLPRHG
AISHLFLGIDAKDLDSFIDDPAHLVVQDWRSMQDSQNLCSEFFIPSLLDKSVCPGKHV
IHVYSSGGEPYEPWEKLSGSPYEYAYKEERVEVLFRAVERCIPDIRDRLEFSIIGSPLA
HEAFLRRDRGTYGMAWAAGSSAPQAGLLGKVLPPFPNLKTPVDGLLRGDCSFCFGIGTP
SAAASGAIANTMTHVDNHIQLLKEASQKDPMYKFLDPGFMAEVYKPLVQGFTPSAELRN
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>comp2576_c0_seq2; 637 171 1610 LEN=1665; translated
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FDTVKLMPEKEDEPKKLTWRNDLGTLPRHGAISHLFLGIDAKDLDSFIDDPAHLVVQD
WRSMQDSQNLCSEFFIPSLLDKSVCPGKHV IHVYSSGGEPYEPWEKLSGSPYEYAYKE
ERVEVLFRAVERCIPDIRDRLEFSIIGSPLAHEAFLRRDRGTYGMAWAAGSSAPQAGLLG
KVLPPFPNLKTPVDGLLRGDCSFCFGIGTPSAAASGAIANTMTHVDNHIQLLKEASQK
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>comp2577_c0_seq1; 643 387 2324 LEN=2597; translated
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GIMDNNEVREFSELEDLFFQSIQCQQERAEIKFHMQREWREQFSLYCSSVSQPLDADSWL
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NDIDEQKEILQLLTHEANQIGTTDINGKSSLLHSAPFLAKAVVYLKRHDVPPFEHVELWVP
SFVPPQANGQTADGAASNCRLCFAGSATVDEVVEEGSKTKKPLSQSQSFLQAFGDYSQKF
SFDVGCGLPGRVYESGRPTWEQSVQNAHHHFERCGGALQWGIKTVLGIPIASPNVGRIV
VTLYSLHDRPKDQDLVGRVLSSEFTRLLPSPKWKLVVDIGEPQQPQQVVGSTGTGSSADMN
GVDKGSETVKDDTGRDPRIDDVVSLGELMPSDPNSPLAPYLSGFMSLRLLLLRSSRSPE
EEDRARTMLDSYTSYSQGARSKADIGIMLARDYMFLSQSNGATNNTIQQPQQQHP IQLQQ
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>comp2578_c0_seq1; 476 141 1775 LEN=1832; translated
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ENLPGPEIFRFAVVWILSFAPLALVGF GIGSTDKLQAFVLSVQRQIFPVYRKR MVQHEAG
HFLIAHLLGYPIAGYSTNAVKNAVEFYPLSDKDVGKDKARMLGFDRNISRGDESQTERAR
PRVNDAPFFSPEGSGAMDLETQSVFRNKKDYRNNPFLKIATEDQPRNSWPYRGFDHGTVD
KLAVVSCAGVCAEIIISYGYAEGGLADINQLQQILANAEP ELTERDKENRIRFAMGYTMTQ
LRLHLGCLDALADVMDRGGSAIECVSAIESCTNVSGNNGIIGEDYEVRRRKELKSSALGI
FEKILLNPKNVDAEEDRLVQGAGGGY LKEKPRFLQISGDDPLYIAGGIACFLAYATSGG
LSLH

>comp2578_c0_seq2; 369 141 1877 LEN=1934; translated
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XESAWAGDFPIRSCMDTIFRTTVSFDNSIVAXYIDDTLSLCLIKMPVKQPFSGCNVXALV
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DINQLQQILANAEP ELTERDKENRIRFAMGYTMTQLRLHLGCLDALADVMDRGGSAIECV
SAIESCTNVSGNNGIIGEDYEVRRRKELKSSALGIFEKILLNPKNVDAEEDRLVQGAGGG
YLKEKPRFLQISGDDPLYIAGGIACFLAYATSGGLSLH

>comp2579_c0_seq1; 1086 300 3806 LEN=4116; translated
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DKVGTNPYSGYDAVEALKRVVDELGVSTDDVIVVVYRTPRVDQWADVWKNHFEAESYQD
FICSDSEQSKRWEWLDTSMNPFKIAKAYHDRDWNVLVVDKESTVRSKDVANVVACWAME
DENCQDQWINGFDRSVQNI TSTGHLIDELEHTDHRNLERLFLLRDCYNGQLSGSSRFVL
LDDGNEGFS SLAKECKNWSANSYKMLSNTSFLMNAIQSQKYCEQDDIDVPSLLAEIYESD
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DSWKIATNGV IIGSLDFDKTGENPYSYDYP I KALKRVVEALGISSSQVIVSVTYSSPRID
QWSAVWNNHFD TNGYENFVCS DGVESKRWEWLD T VMNPFK I AKTYRDQGWVVIDQEG
TINDGLEVAHV IACEVMKSVKCDGGWVTGLKSAVSNQLITYPMDSLAEEDRWDL EQIFRE
RDCFFKYQLKHESNFSI IHQHTAWSSCSNQHQSFYRK FANTDFVLDLLRSQKQCGENIVD
VSKMLRKKMTPNEQKELLI FVGP HETS AVPVTKFFVDHASDKGGTNHSPSFDGWAWPVID
SEILGDIQSHRTFDLLS DASKRPVQNI I L N G I R D S W N N A L D G V I I G S L N L D R V G E N P Y S
GYDALGAIQRVVEKLGISDDVTIALNYSRNL D H L S A V W W N H F E A E S F E E F V C S N A Q A E
KRWEWIDTVLNPLKLANAYHEEGWKVAMIDQEGTANAGGDVAHALACNLMIGVDCGTGRV
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SRKNYALYEKLANTDVLLYEMRSLQCGDIEPSIFSGNLFDRDTLASSKSSRTVVIGSVV
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>comp2580_c0_seq1; 901 1065 4019 LEN=4490; translated
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GNNRDVYKVN AHLMSRPSARNIRPSTLSLLSRIFNATSILTVWRPCSNDAMRKMMEGAGV
GKGLDIKGS AKKGTLSGFVPMQIFDNDHKNEIQPIPVKALMRVYKDEKLRDHLVGLV
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HNEQE QEEGTGKEKKPSLPDHKNPNSSKYVPPKPLKLLKKYTKVGFYGI ECTQRLFWLAT
VQDADISRSGTGTETGRPSLPGFQDANLTKLVAHTQLPKPNMPVVLQYKSYEEVVASS
DDEDENQNTNHPLDDCLDPRFLVMAYEEQGTIKPVVSDFDGFLGWRREALWFGCCLPY
QENLMMWCVERIEEILDDQKKNPTNSDTWTQRWLDVQKKAQQGKVFDIPEYGFDPKST
SIMEHAALKLSTGAVRHGSECFNYHFQ E I D E T F L L I S D T L K P V P W K Y V N V K E L Q D I L S
QKIAEGFVFP LNPKWILCDPGWKKVYDDLMSDALYSKDIWFPPYSGIRERIEKIHK
LHPNGFQRCTNFSKAKGLDKMKS H S S T G R R Q S A S N I L R D T L D E G L G S Q L T G N A Y A D L A Q L
ELDDF IGRTSAMPGRGMELDSAMGKNIRDAIKDLSIEELDDDYAEQPRSSKGVGGVPLSQ
RSRQEKRP SGVSHTSS I A S S V G S S G T S Q S N S K T G P S S S N N Q S P G L S L T S S I S S G S G T T P T
TFRKLFKVRRRPN S M E F T N E S S N N D Q H T T S S E P Y T R S K T T S S P D L R L G Q Q A R A V S N P K D
SSSANPKKKTSSKDTNKPRRHFSKW

>comp2581_c0_seq1; 286 263 1600 LEN=1848; translated
MSDPSFLFD S G S D S G S L L S S S S T C E M C G W L A A F A A L L A F G S F G V P V K S K V A R S I D I D P L V
MQSYKTAMCFLT SWLFLLRGEEVTFTPWGIVSGLFWVPGGVATIYAIKTAGLAIGIGVG
SSFIVLVSFSWGIFFNEHVHSRIQACSAVGCMLFGLAGMAYYSAPTVAHASHPRAPEEN
PRSGDFDDAFDDAYYHAVSPENLNF L P P S E A F E T E Y T S M D V E A D A A E E H G A S S D N C N N C L
EDNDHIDESMERLDVPMIQTVDYSEEETPHVVF CWGFLRLQERTLGILAALVVTGIWGG
IMVPMQFAPNVDKGLPFLTSFAIGATLVTL SFWLLRYLCLCHKHSYSFSTAYRALPSFHF
KKMWPYGCGLLWSIGNFFSIVAVENLGEVGVYSACQASMLV SGLWGI F Y F K E I E G T D A
ILKWYASASITALGIILLSYEHHEL

>comp2582_c0_seq1; 653 66 1070 LEN=1232; translated
MSTKLGINGFGRIGRLVCRAAIENKDATVVAVNDPFLSVDYAAAYQFKYDSVHGRFPGSVE
VDGDCLIVDGTRIKFFAQRDPTEIPWAEAGAEIVCESTGIFTTIEKASMHLKGGAKKVI
SAPSADAPMFVMGVNNSYAGQNI FSNASCTTNCLAPLAKVLNDKFGIVEGLMTTIHAGT
ANQLVVDGPAKGGKDWRAGRSALNNSIPASTGAAKAVGKVLPELNGKLTGMAIRIPTADV
SIVDLTFRTEKAATKEEILGALKEASEGDMKGILGYTEEKLVSSDFIHDSASSTVDAGAC
IFLNDNFHKVISWYDNEWGYSNRLVDLAVYTTNA

>comp2582_c0_seq2; 471 66 1182 LEN=1344; translated
MSTKLGINGFGRIGRLVCRAAIENKDATVVAVNDPFLSVDYAAAYQFKYDSVHGRFPGSVE
VDGDCLIVDGTRIKFFAQRDPTEIPWAEAGAEIVCESTGIFTTIEKASMHLKGGAKKVI
SAPSADAPMFVMGVNNSYAGQNI FSNASCTTNCLAPLAKVLNDKFGIVEGLMTTIHAGT
ANQLVVDGPAKGGKDWRAGRSALNNSIPASTGAAKAVGKVLPELNGKLTGMAIRVKYRGA
CLYFEVNTNIEQNHI SPXIAALSQTYCSILPQIPTADV SIVDLTFRTEKAATKEEILGAL
KEASEGDMKGILGYTEEKLVSSDFIHDSASSTVDAGACIFLNDNFHKVISWYDNEWGYSN
RLVDLAVYTTNA

>comp2583_c0_seq1; 261 359 604 LEN=739; translated
MGGDPFFMDEEYKDTIPEKVDAAKLFENSQ LSELLAKASSRSATDGLGPTPSQRSTVSN
NNDSDWEWDGTVDEDAHLGLD

>comp2585_c0_seq1; 124 1 315 LEN=644; translated
KFTSVPYAKGFDCWDTTSALIAISFYTLFLLSFDWTGMVGVVENEAVDHGIDSPLAGLGY

GLPISRSYCRYFGGDLSIMSMEGYGTDAFVYLARLGNTKEPVPI
>comp2585_c0_seq2; 383 369 1851 LEN=2180; translated
MEFSFWETSERNSNGDHRGGPIILLTLNEDINIDYDDKDPDKKHKRKKSKPFSDRIFCSVRAN
STNHQHVAKQNLRSVRFNSSSIQVSTPKVDRDLEYDGVPNDAKLINDHAKQPPTSVSLSQ
ALMRTGRGEYLDHRFENVAIKEHTATELVLMQVASFLRRELPIRLAHRIQDLEKVPMLKD
MSSVKEVKQLYIQSFLELIDFDKKIVSADQEEGFSRLVEGIYERHSRVLVQMARGAYEFR
HHIHTNSTSKSKSSRRPKDVFAQMEDTHAFLDRFYLCRIGIRVLIGQYLALRQPPVDHYV
GIICSVTSPYEIVKRAIDDAAFMCTRKYGDAPEVIMSGRLDLTFPYVPTHLHYIMLELLK
NSMRATVEWHGSDADFPPIKVIADGSDNEDVVIKVSDEGGGIPRSNVEKIWSYLF'TTAD
PSIQEGMVGVVENEAVDHGIDSPLAGLGYGLPISRSYCRYFGGDLSIMSMEGYGTDAFVY
LARLGNTKEPVPI
>comp2586_c0_seq1; 129 23 277 LEN=551; translated
MLRTGLQAGLRAVSRKANNNAGALRFMSKEIKFGVDGRNGMLEGVNTLADAVQVGVGDVL
HRVVLACFVSKPICRVTLVFPGNR
>comp2586_c0_seq2; 1096 23 1753 LEN=2037; translated
MLRTGLQAGLRAVSRKANNNAGALRFMSKEIKFGVDGRNGMLEGVNTLADAVQVTLGPKG
RNAIIAQPYGAPKITKDGVTVAKSIDFEDPFEDMGAQLIKSVASKTNDVAGDGT'TTATV
ARAIYSEGCKAVAAGLNPQDLRRGINMAVDSVVQTLTDISRPIITSKEEIAQVGTISANS
EEVGGLIADAMERVGKEGVIITVQDGKTLDDLEVEIEGKFERGYISPYFITDAKTQKCVL
EDPHILLVEKKVSSLQQLVPILESVIKSQGSLLIIAEDVESEALATLVVNKLKLAGIKVCA
VKAPFGDNKATMQDLALLTGTVVSEETGMKLENTTPEMLGRCKKVEVDKNNAILGG
VGDSEGLKERCDLIKHSIETTKSDYEREKLQERLAKLSGGVAVIRVGGASEVEVGEKKDR
VVDALNATRAAVEEGIVPGGGKALLYCSTKLEAVKEEKAKNMDQKIGVDIVLKALQAPM
QIATNAGAEGAVVGHLTESETPIETGFDAQNGVYTDMYAAGIIDPTKVTRTGIVDAASV
AGLLTTSEAMIVDKPMEGGAAAAPPMMGGMGMGMGM
>comp2588_c0_seq1; 1088 333 3215 LEN=3595; translated
MKKKELDFERARQAREFREQEERIASEKEDEARRIAAEKEAERERIAQAHEETLLNAE
HSSIGSSHSYESRAPKPSPGTVKRTEWLRNLAKDAAEHRHLEEEFNLSMLVARLKRHPNE
AAKDAEAAVKAALTSSSPRDDFDRDIEKLRDQTAHIAKEVANAERRLRKGSSEDLIEEFNQ
IEADLEMEIAEYQTPSSDANSSDLIDIEGHEVNGVKPRDLMEEYSHSDAPDLTTVESMTME
TIEENIDAPEGNLEPQGDSDIEKLETSPGQQIHSGGPEYGAEADPAHTTAKTVSVVSKSI
IAEPSTMETTEENVDAPEEILEPQRDEDAREIQPLPKKKSYSNNLEFGAEADPTDITDGT
FPIASKSTIAESTSIETLEENFDVPEANSELQDGMGVGIQMLPKQQMHS DGLEYGAQAD
PRTQALLAEDDLVPTGKKYHADENLRIDRNKKSIVLDGSI PVDRKIFRRNKSSSKNYED
EDGEFGSEFVHKEATFELPMELTENGLKLSNNTAEVNMITTIPPSRLDGRISGILEGRST
LGPHSNTASGSLALEYKSSKQSRLTLGMIRGCEPHHPLITIGRLLRQGT SVGVIFYHNA
QFLHQMLLEHSLWAI SFRHSFPNSRWTLSSQLSRRKDL SLSLVNGNKL SGLIGWNLLKPK
QFHARFDARPKL TEYRRAHLYCQWKASPGPGLWNVGLSLVQSLHSQIATVGLGCRLFSTK
GLEWVISWSRGNSTISIPILLSKSMAPSTTIGQTFYFSLISFMMQEYIAETWGWIGNDSE
DDEDCKVEDASIALRAQNLAKARQDAVIQKELMARQARRKTKEEKEKDGLIIDAIYKVE
NGEESVTVPLQFWVTNSTLTLPARPKSELLGFYDVAAPLKNSRVSSIAGNQSTSTSSSS
GRCFPTLSELWHDLDRTPEDSQSKKSEISSPTLTVSYEFRGKPHVVTIKDRDELRLPQV
>comp2589_c0_seq1; 125 48 840 LEN=1016; translated
MNLITFISATLLIITSEKLANVAAAGPQLRGRSNTGQLQRRILNDDSGWCPTYFFPGTNTD
CPLTGMFRGTCCYSSSAKEGETPNTDSQACSCNAEMAGKFWCEPSPFPGGAPT PPPSPRA
LPEGSWCPELFPDSDTECPLTGMVRGTCTFYTSSAPAGEPPNNDHQACVCNGDGT SRFVCE
PRPFPGLRPPATAKDPAEPTTGNPTQWCPPDVPNTGDS CALPAGKTTDRAPLSAETPS
LSAAARRTRKHLCAIETRPDPTA
>comp2590_c0_seq1; 406 53 739 LEN=924; translated
MKIFAALSMLLASASAFAPSATQKRGTAMNALVDDAFGVSIETGNKVPPLGRKILEDAGP
DGIKWFQNAEIKHGRIAMVATIGFWVQKLG VHFPLYLGP SGSNAPSPDSTASNWLLSSTT
GVTFQDIAQAAPLDAINMVPVQGWFI FLAAGWFECIAYNRQWAEGREIPGDYGYDPLGF
TKKEGGIAGKDFESLRMKEIKNGRVAMMTIAAWVANEAI PGALPVVHP
>comp2591_c0_seq1; 546 148 1647 LEN=2018; translated
MELTPSITGPVDGFIDFIYSFGPLAEKTVVLVPDFIKAQVGGVADAAGMDIETVSYV LGM
FLCYPLGMLMAQIPFGTSRHIFSFLLGAFLLQFTLVGVQWIHHLISSLIAYGLILVLPKRT
LKTALPVFAMTYMTLGH LHRQYINYLGWDLDFGTGTQMVLTQKLYMIGYNLYDGELLAKGK
EDRAAKKCAPFALKNTPSLIEFLGYTFCFANLLAGPATEYATYLHAVDGSIFKTPDGKTK
LPSNILPTLKPFLTCLLNLGIFLTL SAKFPLLDTS DPQHNTPYILTEEFLKPKPIFYRYFH
TWMGLFALRQKYYFGWKNAEGAQNIWYAGFDGYDEK GNEKGWETSNNIDIITFETAPGVS

IMSRVWNKKTSLWLSRYVVMRTGGNLI AVYSMSAFWHGFYPGYYLFFLSVPIPSFCERLA
KKKLSPYFSPNYFSPYGI VCVLVT SITMNYLIVSFTMLASGWSFAAYKSFYFFGHIGCVA
FYIILTMLPSPKKEKKKEA

>comp2592_c0_seq1; 441 101 1294 LEN=1660; translated
MKEPWSKKHKKDFKGRQFSLSNSFAQPLSQPELVALTKARNDQALLDDYEHHDLVYTPNG
GSDDLKQAISELYGPKISKENILVFPGGQVAIQVAAQAFARDCHSIVFVPGYQSTVESPE
WALGSKGVTQLQRRASNRWQIEIEQVKASIQETTKYMVINEPYNPGGIVMSHESQNELVE
LCREHGITILSDEVYRLLLEHDPKDRIPAMADAYERGLSCVSMKPGWACGISVGWLACQD
REMISKLWNCQYFGTACIGRACEIQAIMVVRASETILKDRVSIIRANKALLTEVIEEKYP
DFFEWEPNAGAI AFVKFKGPLTSLLELGDLLGARGISIKPAYCFVSSDNGGKGPPEVDY
FRLGFGERKMPEALDAFCSVVEEFKDAWRQEMEGMKK

>comp2593_c0_seq1; 282 938 1591 LEN=1930; translated
MAARVDEEYDYLFKIVLIGDSGVGKSNLLSRFTRNEFNLESKSTIGVEFATKSIQAEGKT
IKAQIWDTAGQERYRAITSAYYRGAVGALLVYDISKHGTFENVERWLKELRDHAEANIVV
MLVGNKSDLRHLRAVETDEAMSFSEQHNLAFIETSALDASGVDTAFQRILTEIYRLMSRR
NVAAEADAAGGPPSL SAGQSSISLSGGNNNAGQGEKKGCC

>comp2593_c0_seq2; 237 256 909 LEN=1248; translated
MAARVDEEYDYLFKIVLIGDSGVGKSNLLSRFTRNEFNLESKSTIGVEFATKSIQAEGKT
IKAQIWDTAGQERYRAITSAYYRGAVGALLVYDISKHGTFENVERWLKELRDHAEANIVV
MLVGNKSDLRHLRAVETDEAMSFSEQHNLAFIETSALDASGVDTAFQRILTEIYRLMSRR
NVAAEADAAGGPPSL SAGQSSISLSGGNNNAGQGEKKGCC

>comp2594_c0_seq1; 424 215 2356 LEN=2746; translated
MIDTCHPSTYGFFASTSEQRNLAPPRYVRSEEIHEAAFAP IPTNKWWGNLIHQDMNPDGP
IEPIWSNPYAIRVVPKGKLVVSGIHRHYGPCLEINPKVKALKYYAHAFIDDIILSAVDLP
AGLDVYGWDDFGVRIQLGKRMNSSLVRGMAFVSATYGLGTRPRIETIHAISSINGEAPSP
DAYYAVSPGSKLVLEFNNGQFWTVYADQDIRFSKEGSALTATDAVDATTVRIARVENPE
NRLDVLDEYAKCVVLGGRVQFLSHKRYNLEWETVGEFSFLHFALHHLHSFLEPPTNVS I
LAESTTHGRMHGICSSRSRDNGRIRVWELAEPKSMP IRFEPQHGIDPAYVKEFRIDERLK
EEIESSWVISREGSYFNGKLMQKFASLCLMAHDDAINRDDKIKRICLEKLASLWDSFSL
NGDGEWPHPLVFDEIYGGIVSSEGFKNQNDQNVDFGNTVYNDHHYHYGYWLV SASIFLHLH
PGYPRAKELRGKIDVLRDVANPNASDHWFRFRHFDWFLGHSYSHGVTMPADGKDQESI
SEEFNFHYGLMLWGMATDRLDVEQLGELLLKINARTARTYFFMADDNVIHPKEFVFNKVT
GIFFDNKADCTTWFSPERHC IHGIQMLPFPSPVTPFRPQKFVKEEWESILSNLPVVLDPK
SNLNSWQSILFVNSARVVS NRARDAMKHLEYVPMDNGLSRSWALYMAATLCDA

>comp2595_c0_seq1; 278 183 890 LEN=1075; translated
MTPSSNDPAEARKRRKEIIQSQRSENELIANGSVVASSSHPPAISSAMDGIQVNSAVDHV
EGQPTNISNNDPSSNGADKPKPKRKLGS GDPNGRKNKNDKSGKSKKTQIRYDPDVP MNK
DQLAAWRREARRVRNRESAAA SRQIRNRRISELEEEVGEWKS KY SIALQRLEALEQHIAA
NGNGESSIGVQGEQEPKEEPQEQNPPSDQPT EQHPQEPGQQPTEQPLASSDNANV

>comp2596_c0_seq1; 577 1 1176 LEN=1485; translated
NQMMKLYTNTFVILLTLALLGISSVSGNAGRENDRVRALKANKANNY EYYGAKNTNND F
EVIDQRSVNTNSNHKVGKNSGKNSNTGRNEVNSDFDVI RSHDKKHKEGRNKKKDKPKNK P
LPRNMPSPPTPVPSTKSPSSPTPSGKGRGKGGKGGKGRKAGKKGKGGKGGKGGK GAK
YRKPDTAAPITAAPSGAPSFAPSDAPSPAPSASPSVAPPD TLMPTPLGSTASSLVSSVF
VSSESSEFTSVSSTESSSDAAATNGEGVGAAGDGVGHKRKNKRKNTRKNNRNPNRHKK
GRWVLVKT KDGEWRRKTKNHRKR NENKGVTVSKNENEELGDEEVSI FQDEGEDNEEE EVD
EVEVEEEVEEEVEEEMEVEDEGE EAPLQL

>comp2597_c0_seq1; 1015 35 2053 LEN=2406; translated
MTSFYFNRSNRTRHLLVLGLSIVVFAVLGNFVESINLVARVDEDSKLF SNIKTGDNIGRI
RGRSVRRALSSDDDEGK GAKGSKGSKNGDDDDDDRGTKGGKGSKSGKGSKKSYYGDDDD D
GKGSKSGKTSKSAKSGKGGKASKSAKSGKSYFNGDDDDDDDGKSKRKKRSKTSKRSK K
SHSSTTESRIDVESSVDKPKNSM TSQEKDHKEHIADIGEQQRGIFAGMRPDLWGELNEE
DQSDKIVVDTTQSQQQDLSPKEDSNSAANDRIVESTQSQSQSQY SKEDIGGTGEVTIEDT
TQSQKQILEDDIDGTSETTVVETTHS QSPNEDIGVADAVTDMDTTHSKDNILEDDIDGNS
ATAVVDTTQSQGLKEEIEGGTVEENTEDTTHSKEQILEDDIDGNSQTSIVDIIQSKEENIS
PEENIPEGTGDTIDADTAPLEEEENNIRTVQLFHPEALDECVTYDKELEEMTIFMSE CSTL
NNDTRHDDYWEILQARVSINNTGNTFHLRHKATQLCIPMNTENPDASFNCQRYFGMNEA
IADSFNGLIDCSGVA AVFGMGGVANSLYLKNAGCSDMAISDNKSDLDIVFITYQNPVEE
KRVVVLGQSILLELGGAVASYDFRTEWAF LDVKDIDREKKAVAPQPHSDLFDHIFHLNDG
KSKNGSSPAKRT

>comp2598_c0_seq1; 1033 187 3168 LEN=3315; translated
MTTAARTTAKSSSPGPAPSLWTALVRSPLLPATFWGAGLAVRVSFPAALKWLAYDSIST
HLLTVSYPLCATVSLIHRDLQQRHKQHQANNDHDPANVRANSLLOVERQYWIEYWSVGFA
GVQFLQQAELFPLSLHRAGLQEQYSNLPVLLAQLKLMFFVWIFCMQSVLAGHQRFLLGGQQQ
NEKWKKFVPLTFLTKAIGPKLMGLQMAISERISKETWQRLIHSKVQRVLEVLVMLQFLKE
TSRDYLLQLEEGRSLLLLSVFAVLPSSVTQVGILYAKYVFPAAARSLVARGDDLEVLVSLK
YWVLNNLFSLSLSTWVWLCVFPSTQVLLGLWCFATFPSTITYYYSLEIEMELITFGILS
GEPKLSVNKTMTVQALRHFVKRLPRDKQAQSFQFEIDDDSDINQKSSGDNGDDSSIGSQDT
TDSEERRRRQRRRERRARRKREAESKSKKATPPPPLLSEDCITQYANDEQKDDGKYSSFV
NEKRQSESDERNQYRHCSTVTEERDTRNATQLQPQQVEIRHPTSMVSLVDVDYDHSLSRP
NKVEEEMSSDSLASMSDDINNLIAPATLSMNNEMEDSAMVSIQADDFDDKDGDDSDRALL
PSLTIGSNYSASQVHTDAKSMGLNIATPTENVTGEVEVQMRTRGQARSTTTSTRPTSSI
FPATYPRSSSRNLLLLPSASIERFSFLVNSMSIPEDKLAPKPEKSKAHSNDNDDGDC
NDGLNISDVDSTSSSLVDDTESFEISNPLDGNEKQSSKAIKQDYVCKKKPTKTVDVDEGV
STPPRRSSRLEKLEWQEEKKKMSPSKASKRLEANGGSKPSKKTSSSTAEEKKGGKPKTHS
SSSPEKKKKSKDKCPSKSVRGSEATNGVNGNSSRRSTSKASSERTSVFDKPTAASLTRR
VEKKSTKTPRDKSRTRATTTSTAKAASPGKTRSSKSKGEAPIPECTEVGRDKNNSFDSP
NQKAAGGKPRKIPNSRRKKKDISSVFGGVLRSK

>comp2599_c0_seq1; 245 1 598 LEN=1493; translated
XTTRNYIQQHMKMYAAVFAALLVSATAFNAPQFATRAVGKAPATKAVKKASTKAPPESK
GYPSFAEKAQNFKLGGGKISGGGAGRTITPVFVHPTVNTDPIPDFDYKEAAKARVTPQSR
TDYVFDDGLTELERKQKSTIPAFLTGSARSRVEAEAPRDDIEEQEYPFGLSGDRFQLLFI
SVFSLFALVGSLSGSISFD

>comp2600_c0_seq1; 123 1 290 LEN=303; translated
XLLLCLCLQIPKAQPSQLNGPQPASFNNGRSSTTFFGKELPSGLYVCGDHMATATLNGAA
ESGVKAGDDVSKAMFSTGAPSPSASESDPEPAAVAQ

>comp2600_c0_seq2; 1038 59 1813 LEN=1826; translated
MVKISSAALLLCLQMOPGTVSGFLPASKNLNANGNGAVTSTTLAFDWFGLRKNNGNSEVA
SIFDSSNTMIVNTQKDYVTDGDWLSKNLNRKNKNNDNAESADVVIIGGGISGLAAAITA
AEAAKSANDPKKIVLVEANNKCGGRVSSVETDDGFVLDEGFVAFVIEEYPPVVKLLDYDAL
ELKRFLPGALVKLKGNDDELARVADPLRNPEDIFASVLSPIGSLIDKIKVLPLVLSVRLGS
VESIFAEAETDKTALVERWGFSDAFIDSFLKPFLEGIYLAPLEEQSSRMFSFVFKMFS
GSATLPKGGMVAVTNQLVEKAESLGVITLTGTPVASVAPKDDDAGYVIECVDGNSRSDT
PSVVVATDGKIAKKIIGNIEGFESLRDEPDQVQRSVGCAYYGFEGPAPVEDPILVLNGMK
GENDDPVNNVCFPSVVNDGYAPEGYNLCSVTVLSDAMDKYMGKPELDQAIRKQLATWV
DQESDILENWDLKQIFYPKAQPSQLNGPQPASFNNGRSSTTFFGKELPSGLYVCGDHMA
TATLNGAAESGVKAGDDVSKAMFSTGAPSPSASESDPEPAAVAQ

>comp2601_c0_seq1; 594 30 1832 LEN=1919; translated
MSKVVGIDLGTNSVVAIEGGQPSVIINSEGLRTPSIVAYTKKQELLVGGQIAKRQAVI
NPENTFFSVKRFIGSKETEVSAREARQLPYTITNDSKDNKIKCPALGKEFSPEEISAQVL
RKLINDASEYLKQDVKQAVITVPAYFNDSQRQATMDAGK IAGVEVLRILNEPTAASLAYG
LDKKQNETILVFDLGGGTFDVSILEVGDGIFEVLSTAGDTKLGDDDFDKVLVNWLIQNFK
DKEGIDLSTDIQALQRLTEAAEKAKMELSTVQETKISLFPFITADASGPKHIDEELTRDKF
EVLCEDLIERCRIPVEKAINDARLDKSDIDEIVLVGGSTRIPAIQNLVESLTGKKPNQSV
NPDEVVAIGA AVQAGILAGEIKDILLDVTPLSLGVETLGGVMTKI IARNTTIPVKKSEM
FSTAVDNQTNVEIHILQGERELVSANKSLGNFRLDGIPAGNRGVPQIEVTFDIDVDGILS
VTAKEKETGVEQFVTIQGASTLSESEVEAMLEEA EKNAADKIMRENIDLKNQADLLCSE
VEKELPNATVSEDEKQAITTLVGEIKDSIQNDNIDTLKVLI EDLKEKLNMGKSQEVNPEM

>comp2602_c0_seq1; 640 1 1687 LEN=1701; translated
XKKKKKKKKKKKKKNGKDAESRAGGNNTSNQHNSALDHSNAATVEEKEDPLVTALLGGMG
FAESQIMAAVKACGGTHRATADDLVTWILGQGETEESANEATRIPDGTDLQEQENAAAYDR
TRTEDSLPTNEKEQKQQLAEAVRKQEEAARRLA AKREEARRRNREWNREARQKQKEAKA
KVAQKFFNVPRPAVPLPVPKPMATPDLVPPNVSKLKGPPRQPKLTTGTSGLP IGGNKWGV
PPI SANPKFPV SANQSKSIGSKPTSSAAPTPTATEQHALPVSSFLASLDDDKTVSSFG
SSRTMSVSSKEFVPIASQPSVPPPGFLSTSAAPI SAATRSLVPPLESEGPMGAPFSPESRQ
GEIRATAKEFVPSFTIPGSVNPSASLQKDFAPLNDLVGEPQPSESHGVGFPPGILPQHGA
SKVGH TSSLLGPSLQSSFDNVRPMNSGAADTILSGASFVDGPKSEPPMSIPFGFGQADS
NESNDIGGSRLNLSISRNRSTGSASIWGDGQQISSL ETTLQPSFFGDGTTNESDDNQKSM
LWNVSTGGNSSLPNGGGQGSIW

>comp2603_c0_seq1; 393 284 1198 LEN=1270; translated

MANPFINSSFTLRPSMNNRDIPELTLRQTEVSRIIPMERTETKEGRSFKRQRLFMDFRMST
AFPFGYRYSCNDVDYSYDDQYLSDEENGVPLTTRRRVSSRLTSCRRI SDISIGSSSNGMN
ISEADYWKTRCLDVQDTFENAQARLREAEEDQRQLRQRVRELEEQLLLQSSSGNSNSNGG
IGNEDYEAGNTEETFETRDRDASSNIEGKNNRIAPKHLGKDDGQCAEDTGRKNKKERPLP
ALVVEIKENHQAVSSCFYLT DGEGLNESYDQEMEDVSM DVYCGDQMLGDI DDDRNDINFN
QQRG

>comp2604_c0_seq1; 473 329 1795 LEN=2229; translated
MRLSFVAWMAFLASTTFVDAFTSQSGNTNRRITQSPGKSGANKALYSLSTKSEDEKVVAG
KILEGGKVIDFESTRGP SRAENALKLAKKEEIANGLTKNTHLSKILGINSVDVIAEVGHDL
GLFASDDEIQKCAAYLRSKAASGFFEKRPGSVAVTYDEIHSSPSIGSEQKAGVASILEKA
FVESGEVTSFAKTFYLTQLMPEAQREAIWAIYVWCRRTDEIVDAPRDNDDEMLSDLGI
WETRLLENLWKYGEVEDVFDLCLLDVLVKYPSLPITPFADMIRGMLMDVPELGTDTYDVFD
DLHLYCYRVAGTVGLMCLPVFGCSEGYDEIIAKEPALSLGVAFQLTNILRDVGEDATTRG
RVYLP IEDMERFVTKELFEQRVDENYINMMKFQIARARMYERARRGVFMLSEESRLP
VQSALDAYGKILDKIEDNGYDTLTTRAYVDKWEKLSIIPFSWYRTQDISRTVPLPGDKQI
PSLEEPTP

>comp2604_c0_seq2; 352 329 1330 LEN=1453; translated
MRLSFVAWMAFLASTTFVDAFTSQSGNTNRRITQSPGKSGANKALYSLSTKSEDEKVVAG
KILEGGKVIDFESTRGP SRAENALKLAKKEEIANGLTKNTHLSKILGINSVDVIAEVGHDL
GLFASDDEIQKCAAYLRSKAASGFFEKRPGSVAVTYDEIHSSPSIGSEQKAGVASILEKA
FVESGEVTSFAKTFYLTQLMPEAQREAIWAIYVWCRRTDEIVDAPRDNDDEMLSDLGI
WETRLLENLWKYGEVEDVFDLCLLDVLVKYPSLPITPFADMIRGMLMDVPELGTDTYDVFD
DLHLYCYRVAGTVGLMCLPVFGCSEGYDEIIAK

>comp2605_c0_seq1; 499 324 1583 LEN=2200; translated
MPPSAVINDDQSQYSLCCGAFDIGEIEIEVQAVGGDCNSVKETQIVVSPGSATTKNENVT
NRCDPSQYDFVRDGRNPLDGSQAGSFDSTDEIIIEGSNEMKLMRRVVEKQRLGMKGP RHR
FIQQPISMERQDSMSDTNSVNAVDFVSIEDSKEMEYLDVLDQHLNQTNPKALDYEHLED
ETEDSHPNKQRFQADLDDIIIEHLCAVPCAGYLPVVDGTCLGDSTEAGHPRSVLRRPRYSS
PGMYPPASAPLNRAADGTGTTFDQPIILIRSSSNYDATGASRDTQQRHSVRFQNVDIRHL
KMTLGNHPSATTGPPVMLDGE LAEPRHSARQIILLEKYEQTRPPRRKRRQLKLTQQRH
ILVKERGFTFDEKSAWQESLRIRKQRKETLERGLAMMKWDEVWESTCRKFNRLVDGTL

>comp2607_c0_seq1; 53 103 435 LEN=677; translated
MTASGGSVRLLAQN SAVLRRGAEHARQQIFGHVPILEGAAAGNKTAKKTFTGPYLEKYY
PTSINHHARKVHDGWETEQQEYRRVKLTQRRRKGKGP PPKGAGARS GKKR

>comp2609_c0_seq1; 267 343 942 LEN=1132; translated
MMIYQQTMLGSTIKPTPYTPGHPREGPSNKKGVMFSSCTKDTSSSHRRRRPSSSSVPIPH
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DGDDFDSGEDEFIFDLEL

>comp2611_c0_seq1; 358 147 1529 LEN=1692; translated
MTSGIRPSVARTILGGQNTLR TWHTRRITFSESFPPASVPLCLCRRRKRGRSDSWVSAFS
SSPFASSGQDHGYAKLRDASSLVDQASFKIRGSKHHSKLLRRHV AIFCEAVRAGLLHNK
GELYGSDRYSNNSCEATRKL TASLGGIGADRGIMPDFS NPRALRGYTLGHFGRVRLLSQL
VAQTEPDWLATRVSQIFSDEVSNRADDPHCSSSLKGGSEIALASLGGGCGYDFVAMSALS
EFLKGPKIAATVFEYEP AWKDVLDGDES SVVQDVVASKDNRAVSHAHRCGFESC DITRPLD
SSSNEALASVVGSTHMFSCSYVVAENAVGLRTNKYEFFRQLFSEASDGLS LFFFTE TTHRL
WPDLDIVAMDHNDHLSTIKISIPHIRCGKSGWQLALLKDSAGNDHGGSKTCSLEEHQRVI
YERFRSDNLAHLSRLDRGWKRDKKARGAKQLSHKDQRNQ

>comp2612_c0_seq1; 450 148 1509 LEN=1991; translated
MPLHRRHAAGTTKAESSSSPPSPSPDKGREGSMKTGDGHLGSGFLPNPPRSIVFLGLAV
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LTVAATVFASQLPIFISYAMAATGIVLFGLASRPIEEEKAKNKSDTGTDTKGNQSQPKK
EMSGQLKAVFSVFLVIAVLLTENFFIWVVSATYKPSQNLSTLPTPLQDNGQISLQYLFHE
LLNITKRDVVKVRNIINVEAILVSGLALSVAIELQGPSMQRNLWSMAMRGVLT LAAARS
IRTF SFLITVLP SQNPQCFSSHFPMPKDWYSWLKVGLIPQIDGGCNDLII SGHATVTST
IACVITSIVGKPLFTIAIWMSVTLDYFVEIYEGFHYSVDMFLGAMLVNFWSSLSFLEDV
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>comp2614_c0_seq1; 578 152 1861 LEN=2434; translated
MAPHEKCNEEDMKDITEPRESVLCGRGGAALRHVGNQTYRRLVNLNKPLYITCLKTEK
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LPAEQANGGVDATRNSSTQQQAVQHYNGIYNPRGVHPSISNVMMNNNINDGMDMNFNMGR
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DTTGNMRHGMMQNPAPHRDENPARPQRNDFDDNDLTMIRHLSLDSTPQSIPSWTPSVR
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>comp2614_c0_seq2; 578 152 1861 LEN=2344; translated
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DTTGNMRHGMMQNPAPHRDENPARPQRNDFDDNDLTMIRHLSLDSTPQSIPSWTPSVR
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QTRSSSFDIEDVGPFDRSNEPHRRQQQQFVRTHDYGQNTLNEASNQMKTNDNQSPPTTSIK
DRRRNFARLKDVRASSLRSGSSRSIDDMPIHMOVDSQFSLLSNLSAHGSKHQGQNAIDMA
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SMISEFSGIDEDFAEDDFDFDIPTKPNP

>comp2615_c0_seq1; 589 278 1564 LEN=1705; translated
MFARIYGADGTVVNDDEFENTDYGSDNKNDEIILESLTNAVDDQAVWTRIIACAFAPPPHD
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WWTTIAPQSSPLELVDECKLLKLLNEDEFEDELRALFMTHYEDIGASIDFSAGAVALRV
AVASIGSSGLYLKARIIDTAHVDGSEKLSAVSIPYEEDNSDKTRVEVKTAGELREAVLLL
VESVVPPIVPKTETVKSVAIPIPTNDDKGFPTPFNEQVVQVVTNLEENAKPKATTTDND
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ILCDLEMI

>comp2616_c0_seq1; 1359 132 4646 LEN=4690; translated
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VTSSVTKCVVDVEIIDVNFIDADFASNIIGLFEQYLRDLIEEIEGYACSQLSSTGVTML
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FGSNEDSGSELGINALLKSYVLNENGALVVNVDELGQDALNFELHDKLTKTSIAVKEVR
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RLRASDIKIENLNTLSAPLVMLQVPNEPYMLNNNLTIGVKDHPLRVSANVAFAVIDEVQ
GTEIANELDISFDMYSANAMATIMLKILKSNLLEFPLIDVFDLNCWIATIPAPSLNAQGV
TTGEDEVASVVDVQASVANLNLNVSCVECSSPGIVEFTEFETLMLSGEAQNVDVFLANTLL
LSAADVIKGNLLQVQIDRLLNDASKQCRHSPTYDPNFSNISA KRKYKDFDTIQIEDS
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LVWLDRLAKWSMIDIFVLIVCLAARVTVNSPANFAILPNDFYSLDLLVPLWGLYANLI
AQLISQISSHFIHYHRKIAEKARISYLKSTNLSLEKIEDDCQKVLRLRTHKFSRPRRG
EDEKLIVRPWTSSMLIFLVLSLIACIIAGCTLPSFSIEVFGLLGI AVEVMGQEFREANTNH
SAFTVIQLIFEEAQFLDVTVKDVVGLGSFVIFVATILLVPIAQSIFLLGHWFVPM TMKRR
RKMIVLNEIFQAWQYAEVYIISIFVASWQLAPISSFMVNSYCGSLDGGFSELVFGILKN
EDAQCFSVKSSIEDGFFVLATGAVILALVNTFVVKATMQYFQDQDESNKRIQIETYTTRL
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AKVQ

>comp2617_c0_seq1; 537 111 1421 LEN=1561; translated
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GLQTFLDQC VHHPLMYFPAYITKELVMGGKGN DGKPDISRVLSDYRTNMKEDLIALWKI
WVPATLVNF AFMPMHLRIPFVAGVSLWTA VLSAMRGGDAIHADDMAGGVVTNASYQIFM

EGLDAFNTPVEMDRNLDHVSISAAGKDRPGMVAQLASHVASQGGNVTHSKMVRLGDEFI
IQMHVALPKESSSFFKSLNNGNLEELNIQPTRLTRRDTDEKKKAVMGMKIHCVGDDRPG
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EEDLNLSKMDIRVHTA

>comp2618_c0_seq1; 703 246 2438 LEN=3101; translated
MVWKAGSLRRGRSDSDCSSYSSLPEKSPAETEVRRIASKIGLPEDSDLLATVCHKMRKE
YVVEAWQLPSLDSRQWEKMNAPIGLAVAVQHLSSQRLREQLLQCREEQQIQEDIDADIER
QICLTLFPRGRNEQMGRSHVSERCNPNGDILASLSSTSDSSVVSERGKSKETINIFTEA
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QGLFSDHGSETAEFSEFPFKWLNLSSTVASGQHDEKPKLLSDEDYGEKPDGRFNAIASP
TETEETKNGSTHDISSGSELETKASPRKQLSVVTHREPSKDDVESVQETLALNASSKPV
GDETNAAESQIIPGDTIETPNETTVPALPRPVETQPNPEPEHAETEPESENTETDSTVDN
TRLASDENQEPKIIACPRSSGSPQAKDKTGERTLEKTDSDSESEDATNIFSGLGSCVVSFSE
EEEDDVLAFVVEREAAQQKSLGPIAEESTNTTPAAGRYETNENAASPVSGSDDDEITVA
VSNVSAAKKSGSRRRAKETSCKYPYDNRGDQKIDTSALQVILVRLPDVDHRSILSQLLIM
ANAKDKASRITLAFQIQDLLLLDLMEKHKMEEGSEKAVQLIFHLARLKKQYRVIIFGKSLFK
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DVLSAIQSPT

>comp2619_c0_seq1; 274 314 1177 LEN=1535; translated
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IVPKCVKSPMVIIQHIIHTVMTLYLLLPHYRPKYRWCMSVEINTWFLIARRVFNKQGF
PPWIIDLSFVSIRLKIISICFYVTFWFSIRVFLYPMMLVYLVKEHHKESKRVGTYINVGLI
PPILQSFICILNLKWTFDLIMSKVRYFRKKANKVVGKRLDYVDKGL

>comp2620_c0_seq1; 558 68 2470 LEN=2695; translated
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RQLQLQQLQRQRQNLQPGSMPPNGENQAGSTTSVPVHLGMVRVQLEPLTPQPVAASVAT
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NQQVTKCPVCRCECDAAVPDYDLYGKMSDENVPRLPCRYVSVGCRERNLPLSEIAKHEQE
CEHALVKCRYAAYGCKWIGKRGVPMHEEYEGCKLAPAGPFIQHFRQTMADQKVKLDLLAQ
QTSGAVRMSHVLRHAYLRDNQRKSLSDVLRFLFYCHKVTSLTPHFFLTkdLWVSYWRNHE
TRAAVVNFCVCFPFLSAAIGVVGHGHTNSFFDIFEEISPEKTLWALTRAFEGAKTNIITMA
APETMAVTIKSLQNSHTIELWENAFGLGCVGSLGMLVLMNFVDTKSSISWDKISIPILG
GRFPLIGDAMALCIFTLLAMMEYHQSNIRAWIMWMAIVPASTIFPATILSISHNTARLV
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LLIHTPQSVFFFFAAAKSSYWIKIKIHLFDSGLDLSPLKSAAITFESAQNFFASSPDAI
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SVGIFVFLWAMINTLLVYI

>comp2621_c0_seq1; 578 138 2417 LEN=2520; translated
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VMIISWSLVEIFRYLFYAFGLVTGDSNKKTPYPLFWLRYSLFAVLYPTGITGELTCFFSA
AYDPAFQSTFSADIAIWIYARILPLVYVFGSPFMIMNMVGNRKSFAKRFARPPPPPRGI
VFPVEEGKKSRSSTPVNKEILASAVGAVNPSKAEKIRSAKGYRFTYVKHLTGLVEEQCKS
PEACLKIAQAGLDKAYDIFEFVAPDGSASVREAMSMKNTEKFTGFIKGEKADTTMME
VPYKGTILKQSLKDQVKKWVDYGTIEPSAGEAIGCVDNPNWCDLSDKYFVLLGAGSAM
GPLLVLLALGANVIAVDLDRPNIWKRLIGLAKKSPGTITFPLKQEQSSLDSDDALYAAAG
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YLCTPTDLHLVPKEAWDASVSNFKEYGSRLLCMFVRLLSGRLLKKNAPVAGEGGDFY
MINGVSVAGPNYILAKRMQHWRRAVVARSKGCISSNIAPATSTVSVTQNRTFAWAYEGM
PYFEPYEIFAPETSNAMVSAIFSDLNPKSVGNPKTSLNPNQLFSQGSFHGGNWRCA
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>comp2622_c0_seq1; 284 231 1043 LEN=1152; translated
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SNGDKVKGTDLDRHMLASTRGNFFSKRKNKINGKSKKLSDDSTTPSKLIQRQSRKSK
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>comp2623_c0_seq1; 819 307 3969 LEN=4226; translated

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VQTVVSHSFSMEEEQREDGSSRYCGHHHRSPNQRTSSYPGDEYRSPSGEFSADRSSHQ
HQQRDAQDHSFQPPPLPPHHYGSRRDYQYVNDRELPPVLEESRIQMSPGGMISRTGDQV
VSKREPPSPVVEGQAPGIERSLSSVSTGGPLKRSFWHHSRPVDAMNGNDVSMPPASSP
PSEFLPPKRSKTGESKSPGSPKREKEYTMTPRSQASPNSDREHQEHEHEQQIMDIPGGN
GGLGSLGGGIPTSTSDIGLSPSGDWYTNRARSMSWEAREDYRRDPRSAPSWSRSRSPSGR
DGPAPVNSGSGSHWMEAPYMPSPRGRHTRDGSYDMHLQPWEASPRDWGHHAHHLPHHPH
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GMGHIMGPPMQTGS GGVDPSIMMEGQSGDMMNSDRRGVDKSGPIKLLALPEDRISLSETL
CIVRENVEVFTATIEDVEAPAPGRKHAVTVGQVGLRCIHCRHTTRSSSERVKRAVCYPSI
KRIYRTVIDMKLDHFLHCKFVFPQPLKDTLQALKANTRSTGTTMQYFIRAATSLGMVDGP
MGVRIADSSIPTVPMSLQSSGKNLKPSSLPKKEHVPSKINSKNPGEQSESSSGRDI
RINRTSSSMSTEGTPQTSVSTDDLPELFTGKVALSVPEDKMSLSPLRCFLREQVCAFSA
TEEDIAVRTPTTFVAVSVGQVIGICIHCLGQPAKLRLNRAVCFPFSITRIYQSVADIQRFH
LGECKMVPKDVKEKFLLELQSQSSKGSKGLATRQYWVTSAKKIGLVDTTKGIRFCRDP
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DVGCI GVECKHCAGQVDGRKFFWSSVNAVESNFVSVHTHMMECRMVPEETKEELARLKKL
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>comp2624_c0_seq1; 671 177 1733 LEN=1931; translated
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MAFVWMLSLFLTAWYARNVWHTIPFAASNLRALSIAIQTNNGVCALAYGIAILACVWTVV
WVLAVVGVSFKEASCVAGVCKPDINAFSVFFLILSFYWTIQVFQNVLHVTVSGVVGTTWWF
APQDALSVFSPAILDSTRATTYSFGSICMGSLLVAVIQSLESLARNARRNNRGGILLCI
IECILRMVSRIAEYFNWAYCYIGLYGFDYISSGKKAIELFKARGWTTIIMDNLIYRSLR
LVAIIVGAVSGVIGMLLAKATGWVATTLGEDSDGQVFLCFVGVFMSFILMKVVLSAVD
TVIVAFAEAPNEFNTHHPALYNMVKWRLVFPPEECGF

>comp2625_c0_seq1; 409 66 980 LEN=1537; translated
MAAVDTGLWGPETRTAKTGKESKIEAWWEVRRAGPAEPAPTRGATPLVERCMRVHSFSED
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SITR

>comp2626_c0_seq1; 352 38 694 LEN=969; translated
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>comp2627_c0_seq1; 569 469 1658 LEN=1658; translated
MENTGNGCRRSHDNPS SSPMHIGMQVGLNPFSADEIQELMGLIPGSDQHSHPGTAAHAH
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KQRRTDVKNQFGELTEVLKRIEAEQQMQQERAAEEAGVDGAVNNGNGSQSSSLSSRM
ILPPFSPTNRVDLIARTIAHLERLSHLTKKQVHEIKALDDQLKSAQKAGEDTAQKLKEAV
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>comp2628_c0_seq1; 363 76 495 LEN=711; translated
MKVNTILAAATLLPLASARIRGFDASDTIEINDLEERLLAFSLPGEAMNVTDPADDDFDA
DFELETGPKKPKPGAACKVIEKGGKPKKADKSKKSKLAKPKKAKSAKEAKSAKVAKEG
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>comp2629_c0_seq1; 434 222 1988 LEN=2107; translated
MANDEDLGTFGVSRGMNEKAANKRLNELQQKKRSTSDKDIISKYNADRQKDRRLRHLEKD
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EAEHEMEFTSSLSQVELKRNHLIDENTARHIYDVTLPSGPYGCKFDRSGRYSILYGHRGQL
AMMDAHLHLSLHKEFDVRRERVRDACFLHNFSLFAVAQTNHVYIYDDTGAEVHKLSDHDDPM

AMDFLPYHWLLASVGRGTGHLVYQDTSTGGLVSSQRTKLGPCNVLRQNQSNVAVMHLGHSNG
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SIAGIPTSLDISQRRVLGVGHAGHATFWSPEALLKKVKEPYMRHSVPACGPVETLRFPRF
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>comp2630_c0_seq1; 158 481 915 LEN=1169; translated
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YLEKNPSGYCNHRYRFKDWPKAEL
>comp2630_c0_seq2; 190 155 733 LEN=987; translated
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STGHVEVLNIELSESASATPEIFEELMKFFYMFHDPTTLNQQGNDRTQYGSVVFVSSSED
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RYRFKDWPKAEL
>comp2631_c0_seq1; 191 590 1045 LEN=1722; translated
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>comp2634_c0_seq1; 521 94 1359 LEN=2682; translated
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CSSQECTSSSLPQAHSASEINSNQIPSMGAFAIENPLFESLERRRSASFGSYSDSIATY
GHNTDDR IAISEATPPLQEQMDRDTEEGMVVRAVRVEEHVFEAKLVDQNSTANPLKRLKK
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GVFDKNSTEFSPDRLTALNWLVTDDYFSRYSFDEFKIRQRYIVTLLYFSTNGQEWINQLS
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>comp2634_c0_seq2; 578 94 1539 LEN=2562; translated
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CSSQECTSSSLPQAHSASEINSNQIPSMGAFAIENPLFESLERRRSASFGSYSDSIATY
GHNTDDR IAISEATPPLQEQMDRDTEEGMVVRAVRVEEHVFEAKLVDQNSTANPLKRLKK
CWWLIAIAVTLIVVITLAILLTKESEVDETNEVINETT IHSTESSRVKELRAILAPLNGD
GVFDKNSTEFSPDRLTALNWLVTDDYFSRYSFDEFKIRQRYIVTLLYFSTNGQEWINQLS
FLSDRDVCDWSAVKTVDRGNQLESFVITGVICNKLQVETIKIEGNNLSGTIPPEIRHFS
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>comp2635_c0_seq1; 263 97 1035 LEN=1184; translated
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SPEEQSRYLAMDCCEMVGVGFGGKRSSVARVTLVDWDGRIVYDEFVQRQEEVTDYRTFVSG
ITPLDVEDATLTLEECRLEVQSMIADKILVGHALKNDMRALGLTHHWMATRDTAKYEPFM
QTRFEDNILWPRKLELALAKLERKIQRDGEPHSAYEDAAAAMDLYRLVRRKWEKVM DYK
IKKTREIEN TRN
>comp2636_c0_seq1; 422 190 816 LEN=901; translated
MNRLAARTLILSMLFASNDAFSPVRSSQRQSIALFDTTSTPTVEAPTEEASVPDVSSTA
PALEKKKVNKNAEGIFAPAVLLTKDIVGETELNKLRAK IIGLHSDVIGKFTETAQSEFG
NQVLKVLFTLADKNGDGTIDEEELAEALQSLGFDFLKEKQIAGIFARADADKNGQLDFEE
WKAAPKTLKTSLIKLAKKNGHDLGFLA
>comp2637_c0_seq1; 1249 1 3215 LEN=3670; translated
XQQQQREQRAVDLPMESVTPASPDRDFDEISEISRASNLSGLWSRGRNSLNTITSNLNT
IAENQTNKGKALLSPELIGRATHVSGKVSGLLNKFRGVPEDSEDVDEIDEQHEHFVNSQD
SIQLQKQNIIDLSTPLKLVHSPSADSHEALRAYRMNRASMSPEETDKMSDASSFHALPDQI
RMVVQNSGEKPPKSLRTSTTAPTTSQTQPLHNDQYESPIRSTITQSTLSQSELSNEQYK
RAHGRFINNSALLGGEFQHETI IDTDGTQSDASGTADVNPQTLASLMMSDMLQKRLKQA
IASVEKRKWDQVFLINANPWLAEKELTTNQFLLHKLAFFGKGTSPAPMSLSEQLVEKF
PAAVYKFDQDGNVPLHLAAAAGNVQMIQMLGEKFESGASIRNEDGMLPLHYAIASFAEFD
SEQVDGVHSQPLSVLKTLLKLFKAVAIADNDGNLPLHVASECLEGGIGVDVIFLLMDEA
ERQLQDPYGARFRNKVKIEDLMDDMSARTMSTARDTDVSAMDSEMPCTVVLLNFFNETPL

LVAIRSHKGWEMIEALVSGPGGRKAALCQDTDKNNALHLLVGEFQDATAAMSILKVVPE
ALQRNAAGILPIEIAQMQLMPEEVLAIALVDLPVNIIDDRDGLKVIKDRGESWIFLTCD
DDHMVNVVEEIVSICSFQQLQELCFMTEQGSENAIIDRATPKREALNRALRFLGRFEFV
GDGPLFSDMQGTGFAKFDALDFGDSEAGKRVLLECYKNEFDENRCYTMFEVELESNFVEE
VNVYVEHLDDDSASKTTSEEIQQRQCVAIERPRLTLDKVVEGISKNGAYENKHLRLKYS
AKLCSVLRRLIGKALRHLHSAGVVHGNVSLCTCGKFDDSMWKLSERLDVQAIKPFDPTRF
RKSFPPELESLELPINDGEQRDGMVFDSDGPTVTFVTDMLADPSIDIWAFGKICYECLVGK
PLIEFDASNSDSDVIALQLTSEWNEENMETVFDDLVESEGIGESGADMVTSCLFPQPE
QRPADMDEILDNPFWQEIIRRHRSRPRKGRGGRKEGSIESTVSLFTDVEKEYEV
>comp2638_c0_seq1; 319 180 1517 LEN=1842; translated
MLASSANSRLPAAAGTARQVYAWGGLLKQKRTSSKAMGTVMSAKKQHRRVNAGGVVHNEF
RSCSNDNKGFFYNLNGMAIRRESFRMNTNSGDESKESTRITATVRLYRMLRRSCKGLAP
TDQGTILIQNEILASDWGKHSFRDNDIMDNDGDEVDTLVTENQTNELIRLFLRWNGIDP
DAGFSKVNEWYDELMGARGFRDAKNTVEGACWTTTPHQLRETVRF AFLSSSKLSTQTPTEL
QGLAVRAIQMMQEONTLWKKSSVSTTLDG LVRVTATSRC LGTVSPVSFAAPSSPLDPKYR
FAYRIRVENISPETTQQLLGRYWHITEEGDGSDEESLEPIEVDAPYTGAVGQLPVLRPGQ
AFEYVSGTDLATPVGMTKGFYMATVPEKTKSAKSGDDVVAVSYYQSGKSGCTSSSSSKE
SGTGGNDTRLFHA AVKPFRLLESFEK
>comp2640_c0_seq1; 72 926 1704 LEN=1778; minus strand; translated
MLGXVPSVGVVQLVGFNRDAALAGALGELDAGRPAVSVEEDLHAVLQOGTGLSLAQVGP
PLFPQQRHGQVGPVKPRHQVFLEGCSPVYGSQKRFRGLLVEARYHDVVPEGIHSRPLL
HDGPPQVIPEGPRRELAVDVAFHRRRGLFSQGLYLGHDLQVRVFSGGSQQDAVFDVAV
QAGGVEGLRHAPVGEQRVGGQQDAIVYDADHAGACGYGTGGVLDGHAGGAAGLQCGGRC
DRRSTGTACDECKENKEW
>comp2642_c0_seq1; 222 329 748 LEN=1274; translated
MDTNMKNKIYTKDYPQHKRDSKGQRVKKKKEVNNCRESFENSVSELDNYAVVVANPQQR
QTKGNRRFPRPLSKRRKVGGDQRVAHWPLPGNLGMPVRSEMNDETPQHKQQRPEILVLD
DNTDDDADDHHEERDDLVF
>comp2646_c0_seq1; 171 71 679 LEN=689; translated
MSRASQSAVAGRS DGRNDGRNYGKNNGRNNGSHDGASFRGVGAFCGALWTP IAFGASVRR
PFLSRSLVSGDCSSSDCSDSDCRDNTSNHDGDETEAETACASPFSPSASSFFASSADAA
AADAHAHARACARACRTQNRQRQTAGLLQWYCGNADVSDRIGRTMSLLLVTFRLLSVL
AVVAVEGEGADHGAYANTYANA
>comp2647_c0_seq1; 97 557 909 LEN=909; minus strand; translated
MAGRRLRRTPDVDQAEATADTANDGATSRPLTIDKGRKRS DNRGSSTCFLFCVPSISW
MGPSVVVGDAMFIVITGEDAVVVIIGAREGARS LGARFVGARILGARFVGARFEGAX
>comp2649_c0_seq1; 258 91 630 LEN=1513; translated
MSSPFI LRLAGSTAARRSLAASSVHAGSSFQLQASTLEFPCR PETNTAAATSSPIAEQRR
SFWMDVVR IKKQSPRRSFKDKNDGSSSSNQKMAHEDPEMVVRRHTDEV RADGENLLDLMF
YNDRHEKAWMKRKRMLNRRYEFDKKHVTDLAKYIAFVQDYGDENDDKDGDSKSKSKK
>comp2650_c0_seq1; 345 81 767 LEN=767; translated
MTKSIPLSSFAVLALAKLADAYDSGWHRQT TNCSTIMEIICD VDNLSTDTFCEAVEM
AGLDDLDTETWTVFAPVND AFHLLPDTIVEDMLDGD DPRGLIDL LAYHTAEKKIMSTD LK
CDTRIFMSNEEFTVTICEGDKTFQVGLANPTS DYPQIITADIEACNGVIHTLSEIMLYKE
YDVSNSTFVQAAVDFTSGPSSSPSDGPSMEPSVSRPSSSPSDGPSMEPSV
>comp2651_c0_seq1; 642 139 1593 LEN=1848; translated
MSTILFSFCMLCISNHALVAAQLELSIDSNDRDYDCDVGP DALTN AHGKDI PRTCIDVPV
GEGSTATTVERCYTYVPE SCVGDENGENPLDL PVVFDI HGLTSCALYSSLYTGWKEKAE
EECFVVVWPSGNVNDLLINGCWNLP AFLRDEGYGTEGGNNVTTAPCCCFKSDDEMGLPS
KEPNDPLFLRMAIDSVAESFDMENSSNYYSISIDRSRVYMAGHSNGCMTSLSMAALHSD
VVAAVCCHAGTLLTPFPEQYTPVPIWMAHGLKDDVVRADGVVAFDLGPLFGKLGWSWSTND
VLDYIGRRNDCEGAETADIGESGATYRRNTNCTNSADVELVMLYESGHWPYAPLPNSIFSS
SVDAPVDTTAMAWEFCSYSNPQQQGYPSGDDSLENEIDDEIDDEIDDDAGEPVENEKEH
KKPETGAVPVNDQDANNAKAVEDNEEAMDPLLSSSAPRWRSMHEDGTILSATVMTLV LVL
GCLV
>comp2652_c0_seq1; 452 1 928 LEN=1474; translated
XSNNNNNHNSRNNHGAFGGLLGSFRNRD GASSRDSTSETPKKQAFGGMFDSFRVRRGE
VLDGDGDGDGKDDDKSNDKDKHDNDND DSDSDKDNKDNKDDNKDNDSDDKDNDNG
DGDSGLDGDSCIDGSSLGTTNESQSLHEHQPTGFPEVIFVMIQSMTNDGRDLSIDYKLS
GPFFRDVPTVSSTYDEIIFFPAPLAPDPHTGRGDIVVPKTACSAFCTTNLDVLLRRLFVEQ

LVVCGQLTDQCVESAVRDAADLGYLVTVAEDACAAHSEKEHYKGLFGMNGFCRILTTTRDV
VRELERGDG
>comp2653_c0_seq1; 186 1 378 LEN=378; translated
XIPAAPAAITKEEVQGLFYKWNALATLDPDQVAARYSSKTAPCLLPTVSDVPRTDYDSI
KAYFVDFCKKKPQGEILESYVTVGHNWAMDDGIYEFTMGATGDKVKARYSFVYTFEDGEW
KIAHHHX
>comp2653_c0_seq2; 224 1 396 LEN=396; translated
XIPAAPAAITKEEVQGLFYKWNALATLDPDQVAARYSSKTAPCLLPTVSDVPRTDYDSI
KAYFVDFCKKKPQGEILESYVTVGHNWAMDDGIYEFTMGATGDKVKARYSFVYVYEDGQW
KIAHHHSSQMPEX
>comp2654_c0_seq1; 388 1 1213 LEN=1288; translated
XSSTSRAKTKWDSKAHKSEKSAKAGKSSKKEKYEHYQHEYPYTKSAKSGKSKKAKSD
KKHNVPSMAPSVSMHPSASHTPTATTERVEVVANAPDTPDIDTQNSSATPPPSPPPTSP
TISPTISPTTLPPTSQPTGVATTAATTAATQOETSEETWMDTWETTFWTTLDGEEDGDGE
GDGEGGETADASMLSPSSGDFGDFYITLPDSFHITLSPAFPTASPGAGAGHPSPGGRSE
EAHSPTSPPTIDAEGFQTLNPTVFPAESDADADEYPNAYPEFHAYADAYAANLSPGEDTS
EETHSPTKLPPTPHPTGFPTGAPSESPTKAPTDSPTADTENPTYFPTFFPTFYPTYPTD
FPTLSPEGVAAKEERLRMLRKRRLRRLRRLREEQRAAEKTITI
>comp2655_c0_seq1; 263 1 727 LEN=882; translated
XDQFRIVTDKNQVMKFQTASNVLAITALASKASAFAPTSNNVKSTALLMGTPGMDSLGN
WKPDSEKMGSTDTGDYFPEGYNPEEEIAFSSGMMGSQSGNAGSRDGPQLPGLNGLGADAV
VAGGISLDPNIPEGMEFVPASVPDGNFEFQVASTGSGSLQVMISSPCMTFEDYAAAFAP
GSHPSLSVGPSAGRLDRRSGDPTPLEITCEPNGVGGVLTGDLVINLPDDNSKLSYKVTVN
SV
>comp2655_c0_seq2; 233 343 870 LEN=1025; translated
MXSTDGTGDYFPEGYNPEEEIAFSSGMMGSQSGNAGSRDGPQLPGLNGLGADAVVAGGISL
DPNIPEGMEFVPASVPDGNFEFQVASTGSGSLQVMISSPCMTFEDYAAAFAPGSHPSLS
VGPSAGRLDRRSGDPTPLEITCEPNGVGGVLTGDLVINLPDDNSKLSYKVTVNSV
>comp2656_c0_seq1; 474 95 1036 LEN=1135; translated
MSAMAKAQKAKAEVFIKEAEALLSKKGFSSSKERNAEEAAETFEKAANAYKVGGLNQE
ADAYVKAGEIYRDKLSNFNASKSFNNAGTCYKRSNPADAVTAFQQAVSLYTDNARIMQA
AKLMKEIAELYETEEIDEEDKSHVLAIEAYEQASELFAMEDSKSSTSQCLSKIAELCSA
ALDPPDFRRASKMYDDLGRRCSSNLLKFNAGYFLQAVLCHLASGDDVGAEQAVAKYES
LDYTFADSREGKFAQSLIESVQGFVVEEFSNSCYEYDRISKLNPWQTSILVKVKNRIDDG
GDGDDDDSDVDLT
>comp2659_c0_seq1; 236 152 547 LEN=1300; translated
MVSATRLKKNGSASRSNANFFQLSLGMFLGALGMNLWIGSDVDPTALWLDQDRNSISEK
VVTSLSKSIPEVKETKGWHSIHVFYGEKEGLFNDAPKSIQSQESFAQVQDSIILDLLGS
NGYFIDLAAASK
>comp2659_c0_seq2; 317 152 1012 LEN=1203; translated
MVSATRLKKNGSASRSNANFFQLSLGMFLGALGMNLWIGSDVDPTALWLDQDRNSISEK
VVTSLSKSIPEVKETKGWHSIHVFYGEKEGLFNDAPKSIQSQESFAQVQDSIILDLLGS
NGYFIDLAAANDALDLTNTLALERKGTGLCVEPNHAYWYGLSHRCKTVVVALVSGTKPEP
VKVKFRGVYGGIVGKLSAKLANRKKEPDAPKVTRYTAPILEVLQKFDVPEIIDYLSLDVE
GSEYDIMKYFPFDSYITIRIMTVERPNKELKALLEEKGYVFLAELAPW
>comp2660_c0_seq1; 193 1 480 LEN=669; translated
PTNPTKAPTNPTRAPTNPTRAPTNPTKAPTNPTRAPTNPTAPQPDGKCPGEV
EFVFSLETDDFPEETKWLKRNNRVKKRKYENPLSFYEESICVPLTGNYKQFVIVDR
YGDGVCCDKGDGSYEISFNGEVKKRRGGDFRRRQRTKWSA
>comp2661_c0_seq1; 417 1 980 LEN=1117; translated
XPPADGPGLEENDEKDLLELEGI FVDEPIVPPATDGPVENKNEEKVETPKQIVEV
DEPIIPPATEPPKEINVPLDQPLTPPTYAPRLDDEKEDQDVPTPPVIPPPIAEQKLEEDEN
LDEIGTEPPIYTRPPYEEKRVEDEINQEEDNLVSLLELVSEPRVGCAGDVKILRQKSGSL
VSEEDPMQNAVNIVRQDISTVTVSLNQVWSREDQVLDVYQFYAPGKNFWGNAKCYEQ
QVPPFSRSDPFETFELACNVLPYAEQLICLVNVDNSILLPPRVVEDPLSLVPKCCSPDT
SIPREQAATCYIMEVKCTPPTANSC
>comp2666_c0_seq2; 201 468 995 LEN=1240; translated
MMHESYPDRGEAPGNMAARTRRSMVKREGLLASVVRAASAVNNALLEHCGVCTVYCDKQ
VQYEDYVQQQYEVGVGAMEHLYAQLHTAAGEPGADAGLDAGVDANAETGPSRQRALAPSP
QGGAGSEPSRGPHRAMAPSDPRTAEAEERYRGVLFDEESVVRVSVGSRGAVDDGE

>comp2668_c0_seq1; 104 263 815 LEN=815; minus strand; translated
MVCPHLFIHAPISTAGRSVYDLDRRKNSSGGKRGIIHERLFI DASQASGYVLHPSTELGVAC
EGDGAEAVSPPPCRPGTRTVFSATTDGTRWDNPGRDNGPAGLTDLQKRKRSVVFVGFVDTAC
WTFITYEAYCPFELLEAVPKQHCSWYGRSNFFFAWDTPQLVKEGVCVPTAPTRNPTGPPE
EPTX
>comp2669_c0_seq1; 763 1 2179 LEN=2472; translated
XDDDDDDDDDAQKDDDLNFDLDDDDDDDAVELDDDSALGKNSLPGSTMTYQGVGEWEFSGI
QSDWGP AHAGSMVYDFTRNSVYLVGSYFPDSENDWVRSGCFLGEIPMSDIKDWKTVESPL
PPSAKNRLPSNHYDGVVFSLPDSDLPREVLSCHSIMYDDRDDSNHYLFIGAVDEPDAQI
RSGTINGFVNAFQRSSTNPDWELKINPTALDTAKAEDFRDTSPPVRYPIAMTTGFYQNG
EHLMVSVSSNDPLLTEEYVESGDANNAQNFKNTMVPPGLRPYNSFAKRGSNFYFVSHQFF
TYDKRKNMELTF SFDAILDSETYPTGVVNLV PNNMIAVMVGHKGRGPRVFRFPKPLM
NGVERLDDFDGDFVQNFLFANGVQPQFRDSL RVSSVEMNPPLDDFIHGICLGPKNEIGNHD
SYFIVGSTYGTMPAGTLQDEITTNILSGKSKKSM DGNRIDKLSAFVSKVESNEI VWTQ
YAVPE SKTTLNGGKTEAFGCHLIESDPTTMYVGGNVYEGGVMSKFE SAGGDDVWVAQID
TANGEPRWIKQVGSAGTDRISHTNGVQAALNGDCILYGETTGELYREKRKNEEDKYTS DV
FVTTFGKNDGFTGPTIGSQDSTSKKSGTIIGVGTALVVVSLLMCAGVFYKFRRPTRRGAS
KNAKAGSDGIFSGNLAPEYHDEDEA QVTDAA SNGASNGSTSGFSDNAPPHV FQDDPKIA
PEKSFV
>comp2670_c0_seq1; 16 1 647 LEN=647; translated
XYDNEDDYRTRKMEAQRKQNAIGGIGK LKPHIREKPTLLLPTPIIVMGFPKAGTSSIF
RFFRKQGLRSQHWCCEEQSTRIQGGPLMADCLLHNLKRG NRTSIFSGCGHFDVYSEING
PRRLKYHPKFHDRKGYLLDDGT YDFDGGPQRIFFPQRFRIREIHDSYPNATWILNWRDYD
PWIDSVLKWTGDNLHYQFLNEYI IQGVIPSVPPPE
>comp2670_c0_seq2; 147 317 852 LEN=852; translated
MIPSLQCFVDSNGDGDGMGFDAYLITIVTRASTSLFLNKS NPLGFKEXPLMADCLLHNL
KRG NRTSIFSGCGHFDVYSEINGPRRLKYHPKFHDRKGYLLDDGT YDFDGGPQRIFFPQR
FRIREIHDSYPNATWILNWRDYDPWIDSVLKWTGDNLHYQFLNEYI IQGVIPSVPPPE
>comp2671_c0_seq1; 2 1 216 LEN=216; minus strand; translated
XTLDWLDCMQKSANKLDWVGCMQAKLANRPDWLG YKRAK WASMPDLWDCTQAKWASMLD
LLGCKQVTLASMP
>comp2672_c0_seq1; 299 55 441 LEN=1122; minus strand; translated
MHR IASHYITPVSYLLPPAFFLRPRVPAIVVAVAVAAAAAAVEDTVGSWLHDAQREIVL
LLKIEIVDGVV GALDVNDNEDEEASVRS GREQE QEHQM QIEPMRLATNRVAYFGLASSQQ
RFCEKSGD
>comp2673_c0_seq1; 531 165 1861 LEN=1861; translated
MGKAI VRVTSGNKPLSKRRARQPPTTSSRRNKS IENSNYEFFPVL PRLS FNHREQGRGN
ETVEVARENTEPKCSYRSKDLGLMVLNPREAAE IDDPGNP I GNSVNFVCDNIF SINTATI
DISTLLQSCYRIDVGDVMVNFFLCDYSGGASPKTVKSKGPPAINTMRADENDRLDALALS
CNKKEKAGWKKTLKTIQGNLLRSM SMKRWPAHGDCENRLEVAISSDSDDTIFSNLEDEPE
KWDIKTSSKSKTINTRKAHKSLSASPATKEEC DKKYDFFHEDTDKSLDTFDSFWNYSMFT
WNEEVCAENEVHRNDGENKKVTCKDGTQNP NPIA ANHGAREDNESQE QENGVKFGL ETTR
DES NVRHRKWK NITSWKKFEPFRVSSKFNNATGKDSTPSSGQKLG TNPIQKGSYSEREDI
SGQALENPENSVDKMDVIERSNHQNKNETQDQGSTKFALDDARSKSLVSQRTVRNLRKRR
LQKALGLTRSNRSISSMSKPKRPSWKKMLMVSIPSTRRISSREVAIPADI IHVIDKSQEV
HEVKEEDIPTPGPIISEETT DKS GFX
>comp2674_c0_seq1; 378 117 1887 LEN=2603; translated
MPSSMGDVTAMGNAGSGMGVPGSGFPPQ QHHHHPHQISQFLPPMDRCAGCGAVDTPLLAC
DDLDRASGKKKDIVIDPSQRLRFCANCMIGKVRVFWPVDNSWYIGTVQQFNAV TGEHLL
KYEDDDTEWHIGESNTT MNPSDFTPQQPLSAQVGI VAPQPNFVPRSEAGSSPADK KSA
MVPASRIKDGNTTPTIANADPKNRV GSSASGGPTTTKGTDTQSAAGPGL ETENPSNALH
TTYRTFGSAQIQGNSYPPNSSSGQRHL PPHLAHQPHHIPQGYGHGPGGPPQPTPYGSFS
SSSLGHGPQLGYGYPGHPGMGIPQRHGAVGALPPH YGGMQGHPPHPHRIENPAQISNA
PGSGGNV GANGGKKTGPKAWTKEEDALLLSIVQSMRVPMKWSLVAQSLPERTGKQCRERY
VNHLNPR LKVADWSPTEDATIFHLYNTIGSHWAKMSKIIPGR TDNGIKNRFHNLRRQLER
EDEHRLRLNASRDFPEEIRLELIREFPEELRGKAAELWDIKSGLSVLAAKVYVWVGI EPEQ
QGVSDLSVRQYPERISASGVVFAFLVFKRGA KSVQKRVGVKAAHEFHRT
>comp2675_c0_seq1; 674 41 1807 LEN=1807; translated
MSKIALVDDDRNILTSVSM TLEAEGFEVETYNDGQQAFDAFSK KLPDMAVLDIKMPRMDG
MDLLQRLRQKSQMPVIFLTSKDEIDEV LGLRMGADDYVKKPFSQRLLVERIRALLRRQD

AANGHVVEETEETKVIERNLLMDPLRHSVSWKGDVSLTVTEFLLLQALAKRPGFVKSR
DQLMDVAYDDQVYVDDRTIDSHIKRLRKKLRMVDPEFSAIETLYGIGYRYNEEXMALVER
IGVRSVEPRKDNLDLVLGDDFVAPDRLEGELNARRAKRGWFSFRDSSLTRKIIITFNLI
NLVVGILYLNSSRDNLAMQRANSLMVQTALIAADVVEARLPVGAPVSFATGDGVDMATTL
DNLDIQTGTVEVFLFDRTGMLVGRKQGD TMGQDR TATLPSTPMTDFLSRVWDRISSPFSGV
DQVSASRVVEDVARDMVDLAVGGGVEVRTAETAQGVVLTVAAPVMQGNTPVAVVALANAS
GEIDKLARVERERVLMFLIATLVS VGLSLILASTISNPLADLAAAAEIGRDRNKKGAK
GRIRIPDLTARPDEIGRLSGALRGMVSALYHRIDSNEQFAADVAHEIKNX
>comp2676_c0_seq1; 909 94 2394 LEN=2487; translated
MSDEKAVEELAKKVDRWTLQDDSTIDYGYLAQTYGAGIKEAKEGDKTFYLT TAINYTN
AHMGHAYEGASSDVI SRFQRLK GDRPCYFVTGADEHGQKVAAAAEKEGKDAQLYCDKYVD
GFKNLNQRLLSNDDYVRTTSARHKRVAQELWKRCAAKGDIYLDAYS GWYNVKEETFVTD
MEAEKNDFKDPSSGIPLKRVEEESYLFKMSAYADRLIEHIKNNPDFIRPEQHKNVLSRL
TSDPLRDLISRTTFSWGISVPEGFDDKHVMYVWIDALS NYLTGIDYFGTNGDGKEGIEK
FWPCDVHIGKDILWFHTVIWPCLLMSADIPLPTSVYLVHGFVNDREGKKMSKTVGNVVD
HDVLDQSHVDSFRWYLCKEAPYGGELS YNIDNMREMHNADL CDTLGNLLNRATNLCKKFC
GGVIPDVPGPANPVVDLASI IDNYTAKMDQFDLQGGAAIAIAGFRDVNGYLQTEAPWLKK
GDEHAEFRQIVVRATLEAIYALAHLLMPFLPVGCKFIFNKLGKEPVSLTELNRDCRSLDT
GVKIEVGRVLYEKMLS DAERDKKAGGKKKESYEEAQKRKKEMKAAA IASSEKGRGKGDAN
QSDFTKMEIRVGKIIIEVWNHESADKLFCEKIDCGEETGPREIASGLRDFYSIEDMKDKLV
LVVCNLKASKILGFNSNGMVLAAKEEDGKTELVEPPEGSQVGERVYIEGLSGDPFSSSQV
KKKKIWSNVSKELKTGEGGVATWQGKTIQTASGPKVASLVGAPIS
>comp2677_c0_seq1; 288 114 977 LEN=1196; translated
MRIYNGGTF TNSYRSDAMENRKLKIAPSQKLPCSSFLPATSKRSIVLPEDQENSAPNKNF
EASSNARVPKPLSMDQENSSNF SNTSVTAAPMVPSKALSEK PAMQKGLSERTLGEPIPE
GGVCNLVYEPDSSGRLVEHF TKTELHGMAVVGRW TAGTGKKIAGFKFKRNAGRNVLIGNC
AAGVLGRKNYCNGFCQFVKQAYLMNGEVTLYDIPKGFKAMPVDVYLYDDNRPGHQTVKL
VPGKSLPTENLLAVSCLPKNTPFYETETVDL FKWLHDAEVQGYSSKC
>comp2679_c0_seq1; 252 1 366 LEN=850; minus strand; translated
AELKSLVLLARLDPEDAKVVEAGSDDAKAANDESQQLVVQDGVVFLPLSGLIDPEKER
ARLTKQQGKLEIEIQKLAGRLSSKGFVDKAPAAVVDKAKAE LAELESQAKMVQSSLDALP
Q
>comp2680_c0_seq1; 727 101 1927 LEN=2897; translated
MFREQLLRELYEQPKGKTLFFTT SASSNLKLTGKAF TGLYRCTL ET PEDLFD DFTHYGE
DEEICNAATKVG DGHNF GGADQSE LLLRN LQFDLSSLRESPLDRKKKKNYLYANTHKAHY
LKGEDSDWEIVRAQVPDAIDFDK KIVNHDGSLKFESVFKTQSVIDWNECDFDCCTKADYE
DLGFHSNAKEFDSNNEYHHTYANTIVRSFVIDEHTGDTFVSWE GFYKDCGDTFSSSKKLM
WTLGVSRLKTEESDCVFLDTVQANDHF SRSSNFPRCTEPVSIVYQSARGREAVLPYGGLA
IIPASQTGSRRTFLMSVLFSPGIDTGELTSRVWAFPEGANS IKDGLKRQDLTGTGTVIDG
AHFDASVWDGGSRLRNYNPR TQKPDYFCRTVYEAGIECIPIDISTDEQGLPVVKAASQTK
DVFLGKEQVKNFCRLNVADKSFARQFTLV TGLDVQWDPVTGEPHRIFFGCWGGEDGTGNF
GSVQKDLHLKQVMQAYADAVL FMPDELQITVRSSTGRVATAAAKASGIPLQNP LSSQ
PFAAVCLLSILCAVMATIYKRSQKAKQYSSPSVLQQQTGFGAPYIELQSMYSNMESSPPL
PQSPTPIV
>comp2681_c0_seq1; 328 210 857 LEN=1006; translated
MKS FATATLLVALSGSASAFSPVRGI AKPSSL SAASVDSL VGAL EPVGFWDPLGF AAKA
DDNTLRRYREAELTHGRVAMLATV GFLAGEAVEGSSFLFDAQVSGPAITHLSQVPVGFWL
ALTIAIGCAEQKRATIGWVEPENVPVDQPGLLREGYTPGDIGFDPLGLKPTDPEELKIMQ
TKELQNGRLAMLAAAGFMAQELADGKGILEHLFSS
>comp2683_c0_seq1; 259 1 1082 LEN=1500; translated
TGM D TGM DTEEDGTANNPLVVSSEEPWRSDPGEKASSHRCRTTTVTATATATAPPTKTT
HQTIRHSERNQRREQQKQYQQQLQPPTISIFSNPIVRRSDGSAWKEGEGVTCCSSCNTN
TTTGKNLPVSLDVRTCEELS YAVIYNLALSHHLRSEELALGAEPPSSQPPSGRARAYLQK
AWSLYEYSHEIFRRQRTIDL LFPALHSMALANNVAQIHHVLGNADQIGLCMHHIISIVL
YMVDRGELVLGEGTAGSSTQGPSHGDP LPGGTDHRSEIEHFFDTAAAAHVQGPARGVVA
RMCCVALHARM DRAAQA AKNQPHGARHKRRTAKAQHSTAQQSKANEQ GKPAARQAKHDL
>comp2684_c0_seq1; 448 294 1772 LEN=1935; translated
MKGKPDWGAEAGTKRKTNRYNRGSFYHREHSLSSRYTFVSNVAVLSLSSGSHSRESGISR
NNVSTEEKENKRSNIIT IETVDSSGQELPLRTREYRRRKHEWAERYTSQEGLEAFGRN
RNRWGDLD AQTARRLYKRL LFPAALSELVLELGD EIVRPEELAPLAYEAR KAAKMYVRE

RCRVPSRVGAYLIDGFRQLYKYGKFQPNGASYEQIWIRYYEYGGSSNHTEEELIVLLTQN
DNQDTSDDVIDNDDIVLVEDIIDDIDDAVTEDEI IKRTCQKILEKSCTTNGAIDRFYLR
NFDQNSLREECNSLQAESISSCDANQNDCKKVRKSRGSRWRNRKRRKDRYNDLFLFKIT
NTLERDVRKLLLEPPPLLLHSPTEQEEEGTLFGQFMKERAKCNAEIDRVGECETNKKEGDW
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>comp2685_c0_seq1; 736 275 2221 LEN=3194; translated
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YTDLDGGDLGSLGQVLVGIKISYVFGSKTSGYSVELNELEDVGDGYFAEYSSALRNRKGRKTE
RRLDQVSPLAASVFGSEQAYKVPLDRDTGLPSRQATYDIDRYEGPAFYQTVQDVLERD
AEDYSALKSKLFRNVALTGLVGTILANASYGSELAVIYFFGGSVASLLYLFLLSVKTDIVA
VNQEDNTQNLVGTPIANLRFGAPALVLIGVSLWNSQKMSGLGGADDFQMRLFDTVSRDQ
FAAAVLGFLTYRLPLFVQGIRDAFQKLEAETDNTTSSGIQLPGSAGVAAKLLGRGTTAG
TSSSSVGGDDSLVTVLLVSGPQATGRSELVGRLLLEDSSNPDPDSSNPPLVPPERVVK
RDDGATFERLARRGEFLDATTIDNDIAASDSASGLTVGGIFDAARGLVDGREVPKNVNV
VDASVELAKALATAKSLPGKTRLIGIIVVGLSVADFRKRLEEDIDTGVLVVPPDETKESE
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>comp2686_c0_seq1; 264 82 966 LEN=1233; translated
MARLSVIRRNQTNGWSLLPFLCWSLSLWKMLLLSPVVEFSFDALLLGRQRSGGGSSGAFS
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SDTDSVTKQTNLSEELLAIIVVEKDLVANQFLVSGRLTRSIYDEACVFTDEIDTYTLDKW
ITGTSRFLFDANRSRVTLVPGSATISKSDGSLSFREFYELCFNIPFVKPITYLSGKLVLER
SPSTGLITSYKEIWDQDVNTVVSQNSKLFTSGLSNDSLDADLETFGAKMESLFD

>comp2687_c0_seq1; 368 183 1508 LEN=1886; translated
MAKRSHNYFLEQHPPPPPPPLPSSNPSSRDAGISNVRDPPGTYYLDHQPYAYNYSYV
NERGHSVRGDSLLSTIASPSTTQNMPIPIFKGHINNSHSAASSNIANIQNKNLQTCPLV
QISQSSSGKDFAEETTKSAKAPMVWTKACNVTLSEKAFKSHRKS HVRCSDCSFEGAPK
IVKAHYQATHGKFGSGGFKTITVGVPGCRPQKFNICVGNRPEDIERWIAERKKRFRKSA
SATEHKQEGTKQKVHGAEVRTAAQTGLSLLLAGYGGSSDDDDSENEKKVEADGKEGSVSS
HVVENAVGSDHTELNNREQTNSGPIPPPEKTKTRRPCRFFFNGSCRHGSNCRFSHDVEE
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LLKFIVDNNFFLDKDT SARPK

>comp2688_c0_seq1; 293 202 1749 LEN=1891; translated
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EVLARPLRTTDFKGLVKRILRGGLVQLLQPYRDRSGRRVMVILSDVMSYSHIARVKIFLY
VLTAAAECEETQKKGVIFVMWPGTDRITIRIPETEERAI CRKSFAAFPLRVVSVHFCWPD
HFFHMVKYFFVLVMPGSLRVRVNFHSGERQELTYKLMGFGIPVQLLPTTESGAIKTKNHT
QWLKTRCFEKNAGKNPTTTPGELIGAI ECPALHDVLYERSKPCTFHGNSFFKELIEN
KEEHAVLSQTGKRNF SWSIVDKVEKNNGRFLTWDRRGFWIKLDDRSEIRLKVATSLRDFN
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>comp2688_c0_seq2; 225 202 1869 LEN=2011; translated
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VSXKA EFGLP SDFHQISNIVLLPYRAAFQITSQVKIFLYVLTA AACEETQKKGVIFVM
WPGTDRITIRIPETEERAI CRKSFAAFPLRVVSVHFCWPDTHFFHMVKYFFVLVMPGSLRV
RVNFHSGERQELTYKLMGFGIPVQLLPTTESGAIKTKNHTQWLKTRCFEKNAGKNPTT
PGELIGAI ECPALHDVLYERSKPCTFHGNSFFKELIENKEEHAVLSQTGKRNF SWSIV
DKVEKNNGRFLTWDRRGFWIKLDDRSEIRLKVATSLRDFNKHARALAKCQTVSSVCKVSF
DDGQYLKRRIVVTDESSNVSLCERASNCESFYGTCLPDLPIFRSKGYDETRNRLTSGF
PIDDISLLSYTPRSA

>comp2691_c0_seq1; 634 1 2346 LEN=2538; translated
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EVGHTPEAAAMRQYQLRKKMRRGVFGKRKTDLASILFPGATPEPYIAGEEVLMYTDNVNS
RKTQVPYDFYKLP GCAMPKMTVSRRRRERKNLGARLQGLELKPAPYTMKVKEDYGTPLC
QKMITPRRVGFLRQLIERQYRVHMTFDGLPVL MRSENHN YAIRGFPVGFKAPPSYTG LKV

EQFYLYNHLKFTITYQQMDTGELHITGFDVDPVSIRHEIQQEDSFVAMSQEVSTCNTDDA
PPVKNDELETYLALDKKAGAEGFLPVIYSYEVWKESTLPWTDWRDIYILIGSPDDDIHSFA
IINSLMIVLFLTGAIAAIMIRTLRRDIAGYNMQQFEEESGEETGWKLVHGDVFRPPASCP
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KYCDAKAWKQNTFLTAAGLPGVLIGIFTVLNVFLHVAGAATAIHFFTLAILGLWIAIAT
PMVFGVSYFGFRAEKMPVPVKVNSIARYIQPPWYANPPMSYMLGGVLPFGSVCIELFFI
MSALWLHQVYYMMGFLLAVLLILGATCAQVSVVMTYLQLCAEDYHWWWKSFFNCASAGCY
LFLYSLWFLVSRDLFVIGILPVVVVYTYMGMISLFCGLFCGSGVGLCSFLFIRSIYGALKV
D

>comp2692_c0_seq1; 169 38 358 LEN=811; translated
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>comp2693_c0_seq1; 735 204 1658 LEN=1765; translated
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VEVNYRWKLVHSEPD LGVPLAPSAMDPTS YKQNTQTEEAQLHPDDLKLEWNGSMADTAAEQ
LKKRRDNARAIARLALMGKSPAKFLMEKTKTTRSGPASTKKAFSRVLDEGMQSWMKKTTY
ITNDYGRKVHDFKSLAKTKQELERELEVRQOTIMQRRSAPVVSRTFEEVKATVQNHPNKK
GVTPVAEMSFLPNIEKWGNAYTYVVVDKSPGDNSTFLNSSIVANVQKKDATARMTCLEFG
QSENDSGSYLGMQNYELDVVPLKEGDAPHANFCIWVDPENNTALYTPISSRVQLSNGRPI
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DEDM

>comp2694_c0_seq1; 550 447 2294 LEN=2569; translated
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GFSALVATEGIVEGGDGTMMAMTIPPAALVKVLEQPTTLGNKLRQSGRKRRLAATSGTL
KTLVVRVIAKNGIGPIANTVQLRSDVFEDKVCLKSQYEACSHGRKIEPFTGYTETNRYI
KDGVS SVGVDAPIEGNKDNFEVAANKRATEIYGDLSQFDLVMFCIPPGTGPWLAYAYI
NRFDSFFNDEWCSSVSTQVHEVGHNLGLAHSGKDTDVYGDQSGMMGF SYKDDDFPLMCFN
PAKSYQLGWYREQQDFVNPLTDILPMKYSREYILNGVDDFDRGESGVKEDLII LRKQQN
SREDYYIGFNRKKGRNAETVKDANCVTIVKKTSGPNEYGQSWQVSTLCEIQDSYTINNYD
ESSFDVTVKLISIIIGKDAKVDIIASNSALCDTVRDSTSLRYKNKKRRNCNWWSKRKSRRC
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>comp2695_c0_seq1; 737 27 1175 LEN=1213; translated
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AVASALAASAVPALVMARGHVVDVPEVPLVLDTSVESTKKTSAKDILSAVGALDDVEK
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GGHMGRFCVWSQAALDKLDTIYGESGKRIPAAAMTNADLARINSDEIQSVLNPADGSA
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GKAFAEASKQGDVDCADGFTIE

>comp2696_c0_seq1; 388 14 1116 LEN=1116; translated
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PKIITDNDGPGYIGHVPPPIALAVVRNLLDCENDADIENWFDSEFSETAPCDIKPSVLA
SMIRTKYPRDPETGAVDYPPPVEIEGEYEEYELEFPSPQGP PHWCTDEFLATGQWVDYCPY
IFEGPNAGQYRPHLALSAVMQFVANKINPEVCGPEWDDRGNYPANPPTSIAWSMESED
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PEPPVTEA

>comp2698_c0_seq1; 310 1 918 LEN=1264; translated
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NGEMGFVKVSKNRVIRSKNGMASGTRKRKGTTPSNSKHKHVLETNNDGENNSKPEK
DIYFSFGELIQLAYKKEPIKDDRSSRTIIFESLPSKSNRKIADGHNGNSETITRAAGGT
FLDRQKLSHRLLVWIGKSEAAAASAGGGHSHATAAEGMYRNEMVPISSLFRKPPEFVSLSD
DDDGD

>comp2701_c0_seq1; 304 293 2032 LEN=2670; translated
MAALILAAAATAIVEIFLVSSTSLRPRSPTVSVSRLVAKSMASISISFVNGRGVRRPRGH
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NIERKLTSSKEDVIFNDRSSFYAKLRQSYESFFPPPYLSSSSRNDANAKRALQAVEDLQ
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PADDPPELPASGTLYQGLCVFDLQANPDDLKAIAYRNAEVPFVVRGDPVAQAQTVRWNA
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ELPFYTQTKASLYVKEPLAEKIALQGPAGAGSKALNCRFGMKGVMTTNHFDGERNFVTVL
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>comp2702_c0_seq1; 888 274 2694 LEN=2949; translated
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FEDTPPEEIKYWFYETGPLQKYFYRFSKSRGKADYFEGRDDS SVTSSRFTEEFLLGGSEHN
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TYGMDRCRVLFTLNTVAGAGRTTMIWETSPPALPHAQGPDRWMSEQETSATHIQRQLEEI
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QVVVVATAESAGVCHDLKSGFMERRTQDLILAPPFLGDGAKTNGDVSIDNAAIKTTHPDL
VSSDDHDMYVGLKWTSLVTMRALSSFLQASADIAAGATSPVNKVQSLEDTSVINGPSSPF
LIPSFVRVSYVSEENAKVAKWRMHGDFHFAAWEVCKDSFELTWIDHSLSGSGGINGLCD
DPSTKTAMKRRLEAAGDDNKVDCGQWVYMTLQMP TSPDVYANEVTPPIVQGGSNFVW
MVTERQRREIVSRQVCMKKASSSPEKDKLEAECPAPPQAVMPLGDLESFLINYSPTALG
KKHVKERPPGYSRQTEREAERELVREKQKLGQEDIEKALFDYTVYPAALFRKDATLSAA
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ADYFRTSSDVRCLEACGMKKNFSKIE

>comp2703_c0_seq1; 490 60 1353 LEN=1353; translated
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DQSLKEHVLENEGDSSISHTFDESEYSLVLQVETMISCDGCPDDLAFASQYPETFGDVAS
SNRNLGVGLPLGRFYNALEDIVHTTLKKTITSVKVTPNAGSKIQHMSYYTKTAKANSGGN
YYTSGRASSGNYYGSKGSKGIASAVAFGMKGGKSGKGFKNKSGKSGKGFKSGKSGKDAY
VPPTPAPQEEASTPSPTRFVYTPQPTTEKPTRPTPLPTPRPTPDPTPQPTLPIEDTVIP
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DPTPQPTAQPTX

>comp2704_c0_seq1; 663 463 2478 LEN=2565; translated
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NEKYKEVSESCADELDVMAIHSFKKNKVLYKFD AISDKTDLVHAIAGREKEKKDGTKFS
DLFLIFRGSVTLKDWIQNLKAPLVNIDIQKEKNSGKWFVLEQCTYSRIEIEKELASLLED
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KNDLLLLFQTRSSLYITGHSLGGALSTLAAFFLACDVEVHDNRSFEGFKCITFASPLV
GNISFQRAFVDVLQNYRQDKSSRKYAAGVVRLRHLRFTNDRDLVPLSPPLSRYRHTACINV
HLNLYSPPLSPSWCIRKEEPRHDI FHRWNSDKSDKQNKRLGLLPPTSTLSGLCSTTFP
FLWVVFNTAPIILVILYLLVRPVASSLFSVSI FKEFFHAMP IQIQKSFIEFSVRVSETLS
SKAI IWMWAGWLTMAGSPNADFKRTVAVMVGAPLLGVGTLYLANEQYFDYFTENVEALF
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>comp2704_c0_seq2; 663 484 2499 LEN=2586; translated
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KNDLLLLFQTRSSLYITGHSLGGALSTLAAFFLACDVEVHDNRSFEGFKCITFASPLV
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HLNLYSPPLSPSWCIRKEEPRHDI FHRWNSDKSDKQNKRLGLLPPTSTLSGLCSTTFP
FLWVVFNTAPIILVILYLLVRPVASSLFSVSI FKEFFHAMP IQIQKSFIEFSVRVSETLS
SKAI IWMWAGWLTMAGSPNADFKRTVAVMVGAPLLGVGTLYLANEQYFDYFTENVEALF
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YGEDSSSKKV

>comp2705_c0_seq1; 147 1 244 LEN=373; minus strand; translated
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>comp2705_c0_seq2; 89 1 138 LEN=267; minus strand; translated
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>comp2706_c0_seq1; 483 428 1288 LEN=1523; translated
MKIASRNSALAAALCLAASALGGALAFAPHAARRAPTQSSSSSTLSVKIPRVELPEA
VASQLGEFDLKNPNAMNDDDYRSYSGAAIAGTLAFSLLPALVSGIYSDLGPVAIATLID
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>comp2707_c0_seq1; 734 338 2566 LEN=2566; translated
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ARELAREANLLSRFGNEPHI INIVGWTGGAASYAAYMRHDAFFLVLELLQEETLDDRI
ERWNHDDAQLRQKQTVVTPNDNPRLHF IRRKIEQLTICKQIADALSYIHSKNIVYRDLKP
QNI GFAIPTKSSSVANDGDSNNVVVKLMDFLARELPTSGTILPKQQQQQPARSQPPR
SPNKNKDPFSTPFNGFLDMTGTVGLTRYMPEVCMHRPYGLECDIYSWSIVAHEILSQ
TRPYEDMTPDMYQTLVCLQGVPRQNGSNGRGMPEYTVLLTQAWRTDPSKRLRLDRIMRQ
LDLFLQKEKLMLEAQELLLGMPESNESPLSLSLSFAERSSTSSRSHHRHTRGIHCGYRV
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>comp2708_c0_seq1; 479 757 2076 LEN=2322; translated
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SVLVGVGLNSNAWGISI IALTSLIKLLTFPLTKKQLESTQKMQUALQPSLKEVQAKYQSNP
EVMNQKIAELYQTNNVNPLDGCIPSLVQIPVFI GLYRAVLDLATDNVLDPEPFLWLSSLEG
PTYGTDPTKGSAWLFDNWVNGAPSLGWDETVSFLVLPVFLVVSQFASMEMLTPKEQKDQQ
PSFLKVLPLMIGYFSLNVPSALCVYVWVNNIVTTASSLI IRNSLKMPEAAVVASEATAAA
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>comp2709_c0_seq1; 182 361 1617 LEN=2522; translated
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AFARFYYHSAMGHVLAQCGRTEIRVSTDLLMVNPNKGFKWHQDNQNGPISWEEGLRFWI
TMDETPKEYGAPVYLQGSKNDVVDEQAVFVDIEQDGLDYNTKMLEFRTPMGDMLIWHP
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>comp2710_c0_seq1; 245 133 1047 LEN=1047; translated
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DHPTYNPTPGPTPMPTSQPTRPPSASPTSLPPTHNPTRNPTHSPTPRPTLSPTASPSAKP
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ASEEP

>comp2711_c0_seq1; 179 335 844 LEN=1165; translated
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>comp2712_c0_seq1; 473 732 2717 LEN=2831; translated
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FDVAAVDLAIEGEMLSRLRHDNI IKLHGVS GPKTSYVDFKHGYFLLIDVLGDTLTRRL
AKMRKLVKRRRGTAPSVLDLIQNV AIGIAKGLEYLHENNVILRDLKPDNVGFDEKNAPI
IFDLGFARELHTVHKSEVAGSIRYMAPEIGLRQGAKLASDVYSFGVLLYELCTLEKPYKQ
YRGRTEFIQDVFVHNYRPDLTSSKTRMDLISSCWDGDHTKRPTMKRVVNILRVETALL
QRERMSTKS AKVSTQRRSDNSVSSSTHSSLSFNAGSVNSFRSSTKNLVKPKSTGSTTVPS
LLTSSSTDIKNSFARRSSI IRRMGSKNFDWNNNPSATPENSTVNDKNMVF GIAQRRNSF

TSSLLDRRKRSTNSIASST SANDVKESRSAERIAADYTREL P APNTRL SNRYPTRRSYGR
GLARGISYESETSLASTSGDSCATSYSTDLSTSNFTLGEFRARVLGRSRRNRTFSSGSS
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>comp2713_c0_seq1; 587 1 1387 LEN=1551; translated
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VKPSVSLMDSAPDWNVAQPSLSTSNPSVNVVDGINRISGGKRLVRSVVKPDSETDQKTR
AAPADKPFYKQVQSIPKENPAGAKPVRDEEAKTKLPASIAHAAGSTSEGWTPSAHFPTD
DKTSSPGDQDSNTKESRTRSAQSSTMENYDPDALPRPTGVIPLTVSSSTREKTQLFREEY
SLEAVEEDAENDGEEEEENPSSSRSEPSLSEPGKKFLYDGGNPQPKELWEFSIDGSDT
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VSPFTREVSNDQAAGSSATKPKVKSSTNDGISIDAESDVEET

>comp2714_c0_seq1; 742 365 2896 LEN=3167; translated
MEAAPKNTRVFSFRPSEPATNYTATNINDHRTSTDAPHKQQQRNEAIEDAAEGATGQQEQ
TNQTRQLSQVEQNQRSMVQRRKASQSTPNLQKMELNERNRDHHPKRRHSVATSANLGTTA
TTRSTMRRCTSVSNMKRSRSELILLSPEFRTRLMNEQKERDPLFYRVQKTIGNGSMGSV
ALVKKRSQTVGGSARKVVREAVQTHKRKQKCFQLPFGIGGLFRLCIEDELRVQEDKAPTH
SKTRKQNRHHRVGGTKNALLSVETWLGSSSEGSDVSSCDSTSTAGNPAKQRRRSSILFP
ADDSTTAASTASVRSALDVEYAMKSIHLSRITDDTFVQELENEIAILKLDHPPHIVRPLE
TFHYRNQIFIVMEHCSGGDLYSRDPYTEEEAARHISSILSAVGYLHANNVAHRDLKYENI
LFVNDSPKAEIKLIDFGLSKVYGGVNGKSQTLTEGVGTIYTMapeVLKGSYTKQADVWS
VGVIAYMLLSSQMPFYGRKRQHIVEQILAGKYDFRGRWRVSTPAKDFVRDLLVLDPDE
RLDAERASSCVWLNKRFSASVRGPRECEILQARNMRYVGYTKLKKMALMVVAHRSTCE
EIGILRKVFQKYASIDKGGCISYEGFNSAWKESGLPPEDTRAIFDSVDLDGSGLIQYTEF
LAATIEAQGAISEERLAEAFDRFSDSGHISVDNLAELLGKDFSRQEIIDIIGDAVDPD
NGGDGTSNQMISYSAFLSLWEKNHEKEVRANKLRMLGSQLCQLGDDGFDDVEDTDVDS
PHYSMENCEEAAKARATFLMDKHGTLRNSNAQEQQKLIIVVEQPILEDGADFDDSFYVDDG
IQI

>comp2715_c0_seq1; 199 168 598 LEN=1019; translated
MTDTVARRSMNLARSENGEFVESINAYRCDPVALCDLTNRLSPALFVSKIQEAPCPSVTA
XILLQKHVPADFEFPTTECSKFDSEFRAGLVRRDSKQKEEIAFAGMDPGSAVKAMTAREQG
HPSEAQLIRRMSSRRNSKESW

>comp2715_c0_seq2; 199 168 503 LEN=924; translated
MTDTVARRSMNLARSENDSRSPVSRHCSILLQKHVPADFEFPTTECSKFDSEFRAGLVRRD
SKQKEEIAFAGMDPGSAVKAMTAREQGHPSQAQLIRRMSSRRNSKESW

>comp2716_c0_seq1; 756 52 1422 LEN=1891; translated
MSDKHEHLSLVVCGHVDAGKSTTCGHILFKQGGIPEREMAKLNELAAEKGKSSFGFAYYLD
TCKEERDRGVTIQCNTKEFFTEKYHYTIVDAPGHKDYIKNMITGSATADVGMILLVPAEK
GFEEAIAKADAKLVDEGQTRQHARLLYLLGVEQILVGINKMDSCNWSSEDRFNEIKEEFV
KMLQMIGFKPKKVPFIPYSGFHGDNLVDAVDPKAPWYKGTANKTPKVKITGKSIVDAL
NNYITPPKREPDAALRLPVSNIYNIKGVGQIICGTVEQGTLRPGDQVGFVPSNLKGGKIF
SIEQHKKVLESAGPGNSVGLSIKGIKDEKVNPGDIYNEKDGELKPIKSFTALVAVQEH
PGVLKPGYCPVVFSTRAKVACKMTKILWKMGGKTTGGAKVDNPPPELSQFENAEIEFEPTAP
LFVEPFAQCAALGRFAVMSNRKMLGKVS AVVHKD

>comp2717_c0_seq1; 143 233 664 LEN=826; translated
MDSYFGHQRDDCWYSDEDEGLSSRSTDEVLSSETWLDCLANRYGYSKIDASSATPMASY
RRGACRLNFWLTGTGTVGSYLEHPRQKTQLFRRGIDRDEAENIFENPRMHTGRGYHTRNG
NGGSRGPCRYGQDCHRADCFWDH

>comp2718_c0_seq1; 112 1 226 LEN=537; translated
XGKGKGYGPKNYGYYGPGYYSKGGKSGHDGKHYGKTKGKARNLGQPYGKAGKSG
GYYQYKCEIVCDGDW

>comp2721_c0_seq1; 356 326 1456 LEN=2572; translated
MAHLEQLTPQEREWALALDEAIYGEVNOGVGWSLSPRGNSNDPKTPTTTNSRAATELY
GKPSDFEIVAHAIRAKGDVQRGLRRLKRMKMFKDEYSVPDFDLSSNDPLEPILRVMKK
FHLAYPHFIQKIGMDKFRVAVQLQLDGLRWSLSPPFNHTETERFQAFCLLHATQPTLE
SIRRGTVWIGDLRGISQRPSSMFRGARMFLRDSYPKVEDIPVVDCCPKFSVAYATYP
FLSSHVDFKFRVTPPEVLRQHFPPELLSDRLRGINNTKNDNINKRRFRSKKASKNNATDQ
NTNAVDIASMDGDESEASWENLDDDDDDVVSYGNGNGNSGNGSVGNGETDESEVLTRIE
RLLRMRFETEKNFRLA

>comp2722_c0_seq1; 324 125 841 LEN=1067; translated
MPLGGRLRREGRRARREHREERKEHIPPAVKTAVVMTGAGLGIAVARRAKAKRSGSPD
SSSSSDEDDNAPKTFAMKEKLLAFGDSFTINRVSRRHQRGRPAYYANNKVMRLRETFLQ
ASRSGPTLYCIQDRKLRIRDSMAIEDADGRKVAEIKKKVIGIVRENFVVKIKDETNWQIH
GSILEHDFTIKENGREIVKVHKNWIAPIRDCYFIDIHGTDDVPLALTVVIGLEAMSED
>comp2723_c0_seq1; 447 222 2267 LEN=2899; translated
MSDHSEVEETHRRPSVIEVEGARDDVIDDVIDDGTESRASITTVPS PSSQDEHGDSRTTA
SSQTRLANDAADCSIAPPRDHSYLEESHPLLPDEDRYLRMASGRALHRDSTGLKPTAKRT
LEVAVLELHGVLFPGCTIPVKLQNRSMIRYLGRQIRLCRNDPVAQPVVQLGILPYEYQS
PEQTLPPQHRRRRTNEPQEEPQRASQRRGSWMRRGFSFGNREIRATESSHALRRSLTRL
QDEFQFDENMDLEDSESSGDDSDGDVGF DENNDEHLSRPPLSPEQSHPLVGRIGTIAT
VRHTHERASSVGGHGGSDPSHGRSQSSSTLWGRYEEAPELVFTAVGTSRFRILSCLNDDE
NLFEVEDMRDEPLLLPPVPFRLLPFRGQC VHFVKVNDDESDDGNNDEHLGKGSIKTGR
IRTSESDVVETRSTRMQAPIERMAWNLSRLTPVPYFVYLLQMPWSLVWKIAEALQTNNGR
GNLPSLGDDSVVTNRENLEPTKFSYWMANNAPFSEAERKLLKTSSVLERLLFIWKKVCR
WTAENAETRICCEL CETNL TGVSNI FTVGGAEGTTSTYVNGHGF IHQITTLRNVD DSKLS
FQGLPSTENSIFYPGYSWLITSCYRCGSILGWKFQKVGNSGIDANGGYENGNIVDRDTP
QRPPHFYGFMSNVKIKRSR
>comp2723_c0_seq2; 393 222 1727 LEN=3042; translated
MSDHSEVEETHRRPSVIEVEGARDDVIDDVIDDGTESRASITTVPS PSSQDEHGDSRTTA
SSQTRLANDAADCSIAPPRDHSYLEESHPLLPDEDRYLRMASGRALHRDSTGLKPTAKRT
LEVAVLELHGVLFPGCTIPVKLQNRSMIRYLGRQIRLCRNDPVAQPVVQLGILPYEYQS
PEQTLPPQHRRRRTNEPQEEPQRASQRRGSWMRRGFSFGNREIRATESSHALRRSLTRL
QDEFQFDENMDLEDSESSGDDSDGDVGF DENNDEHLSRPPLSPEQSHPLVGRIGTIAT
VRHTHERASSVGGHGGSDPSHGRSQSSSTLWGRYEEAPELVFTAVGTSRFRILSCLNDDE
NLFEVEDMRDEPLLLPPVPFRLLPFRGQC VHFVKVNDDESDDGNNDEHLGKGSIKTGR
IRTSESDVVETRSTRMQAPIERMAWNLSRLTPVPYFVYLLQMPWSLVWKIAEALQTNNGR
GNLPSLGDDSVVTNRENLERK
>comp2724_c0_seq1; 154 1 1360 LEN=1623; translated
XQKSQAMSVRLDTIQSLGRNLKDWCRHTLPLICLARYSSDRPIDWFFFWIGYKCCRCWG
LGKGFRTNRNSNASASANKNVLSVDGVELDSPTGKLLKKGQTLQERDTSDTFMHNSIESI
QLTDLPSVVISNVACCLHVKDMTALDVAIRSGCSAAF IASDEQQESQTTTITQSRRDASV
ILHDVWKRLWYRDYGDVLLRWRISREALQRSLASLGTKVSRSCDRNQWLEEELSRLFDN
KSTKDFYFIFGECYMDYILAGNNKADGCYLGLHGHVDFDTTFADYHPGLVEPILKECGGD
ATFFFEDLPHSEGARRIAERLCVVVHHGSMDRSRDGEPSGGHRCGLELVKSGAEDASELE
RVLRSSNTRPPPLADQKGSXPESKPPMEGAPRPPSPPHAYAARDARKDPDQVPRRTVVAI
GIAAAAATNATKPVLEASRQ RIVENPHLLRSVS
>comp2725_c0_seq1; 590 277 1617 LEN=1671; translated
MENTFIPQAI EIVGKAI EADNAGEYEKALGLYRDSLGRFTMGLKYEKNEARKKLVLERVE
GYMKRAEELRDYVTKQNELDKNGGGGSATAKKGDKEDMDAEKAKMRGALAGAIVEKPD I
TWDDVIGLDNAKDSLKETVILPTRFPQLFTGKRKPFKGILLFGPPGTGKSYLAKAVATEA
DSTFFSVSSADLISKWQGESEKLVNLFEMARESEGGRAIIFIDEVDSL CGSRSEGESDS
MRRVKTEFLVQMDGVGKSDSRVLVLGATNIPWELDAAIRRRFEKRVYIPLPEAEARTAMV
KLNLDGTPNELTEEEFERVGEITDGSSGADIKILVKEALMQPLRKCQKAKQFYVDKEGNY
HPCDRYPNCSACPPKLS TDKPGKDYTCNR CGAKRMSLWDVPTEK LKAPMVLYDDFKKVMK
SSVTSVSPEELERFKEWTKLFGQDGA
>comp2727_c0_seq1; 444 1 1353 LEN=1430; translated
TRSKLHSVLDLNFIMCKPEISNEKAI EAMGGQFCVKDLAEEDKWLATFDFFPAFSKEIKELG
KKLEKEQGPDDVAHLNKMIGWSNRFAAIGLLTMGFGVNPITVICLSLYTFSRWTMIAHV
CHGYEKCHPNKSRWSRFKFGITFWRRFNDWFDWMMPEAWNVEHNTRHHYNLSEIHDPD
LVEENAAML RNP NLP IVVKYGVVFLALFWKWFYAPNTYKELKLAKMRREGKKIPDDVD
PAGAVTIRSCLMGTNFFYSFAELLAVVLLPYLVFHHFFITPLPYLFLGKHFGYEDTLYWNA
VKNLFLAELLTNAHGFLAVVTNHAGDDMYRFRKGCRPFSGSFFLRQVLASVNF SMGTDAV
DFFHGWLNYQIEHHMWP NLSMLS YQKSAPLVEEICRRHNVPYIKQNVFWRLKKTVDIIVG
NTSMRWFPEDFEDKFLD TDLKVEKAAYKSE
>comp2727_c0_seq2; 366 222 1013 LEN=1090; translated
MLRNP NLP IVVKYGVVFLALFWKWFYAPNTYKELKLAKMRREGKKIPDDVD PAVGTI
RSCLMGTNFFYSFAELLAVVLLPYLVFHHFFITPLPYLFLGKHFGYEDTLYWNAVKNLFLA
ELLTNAHGFLAVVTNHAGDDMYRFRKGCRPFSGSFFLRQVLASVNF SMGTDAV DFFHGWL
NYQIEHHMWP NLSMLS YQKSAPLVEEICRRHNVPYIKQNVFWRLKKTVDIIVGNTSMRWF

PEDFEDKFLDSDLKVEKAAYKSE

>comp2728_c0_seq1; 409 52 1548 LEN=1857; translated
MTGQLKVQSILTLFWLMGYLSFTRSFVCMGKNLFPSTRASTIAFSKTTSSQSQTGGVNSRVNH
SVSFSKVSISDAYDGGNIELANIEDGPTKVVSLRIKPDYTELEKKSHMQYFSFRSSIH
TNAEDDKRDVPVTYELLNAGEASYAKAWNGSTVFYKSLSDPDSWKRAQSTRFVEGKLV
WDHIHSESESVYFGYFPPFSYDRHLELVEKCSSELATVFSLGQTLEGREIECIQVGTGKS
IGWIIHRQHPGEHMAEFFAEGFLKRLGLDSSGDTGLVLRQLLSKYTFYIIPSMNPDGAV
AGNLRVNAAGANLNREWCSSGDDYEAPTLERSPEVYHVLEKMKETGCDVFCDIHGDEEIP
YNFLAQPVVWNWGPRLALHGAFNAAYRRANPDMQQEFAYEPTTEYAEGDILNIANDQIAH
RFDCLSVTLEMPFKDCRSNSDPERGWSPARSRALGASLCEPLLYIQPYLRAEALDEKSFA
DSFPEIDRYVLPSTSEYNK

>comp2729_c0_seq1; 655 77 2152 LEN=2790; translated
MDVENDDIFGGVCWAKPQSSSCASDEHKATAFRGDSVGSKNKSTNVSELFAPDGI SLR
RKS AVSTPVNGDEFVVKVEIKTGWLNDSKSRLLSLLPTLDSQFADRLERLRTRRESGPNEE
DEGKENMKTNKENNDESDVKDGKEYPEQQRNEEEDCSSIFKKGTTGQILQPQHEGATICD
HESYLNEKVDIIETIPKIPAILIMDHIAFVNDRMVWNSLAALSKETYAITVTPSHSKQN
SIYRPPWRVRWRLAATTASMDAKTYSQNRRLTSTSQVSHRRWSRMPARGSVQTSARP
WTVCFGTNYLGCCTDRGGVLRVAVHNGSTMSAQGHFGRINSVQLFAESWFLSGGDDKVV
IWNIRKNKISCEAVLKGHIGSITSIAVVSYRNTHCVGNGGGGENSMGCMMLVATAALDGN
HLHVNYKDDRVI STQHMHVFEFDSQEP IHTAKQPIYSIVMFEKDGHTSLVSGGEDGCLRV
WDVDEAMDNALGNHEGILGQYPNRASDKTDELSIRAAPKRIVRNACIFRDDGEIKSIAIS
RDKQQAAYGRTICHALSVEITLSKFNDSSHYYQAHHQRRRLRTNQNHFERENSFEAEH
QNRHNGNDGWRLKGHYSGDIRCISFSSDGNISASACSDGSIRLWDLEKGCWNRKWKAHN
GFMVCSIAVSPDQSLLSAGSDGTIAIEGLL

>comp2730_c0_seq1; 282 443 1303 LEN=1682; translated
MCSKDQTSKNNTDQYRDAVRS LGPYDVVCGRGSVAFNINRRFR I IIGMNVDKYSAID
GRFQKGFIFIGNLVDALVCEMGARFFKQKKTGRLVELTEAEIRKKVGHALRDMFAFQESQ
QQQQQDVKQNMAGDTATLAIPSLLSLARSPAHKKSNMNCCLPHERTQQSLPQSL
PHFPLPTSLLFQESI ESIDVPRNYRADTNNGFQGTNNFEIQNRSTEIRQHGFPPVSNRDK
RQRQKELQRRLLQQQSGHFSMRELEERLSATTNISNSERERQGTI

>comp2731_c0_seq1; 790 1 1748 LEN=1956; translated
XKAAALQNIRNQTNRNQSQSQPQSQSNQTSGLNSLKASAQISTFVATDPAQTRPETKR
KPKTQTHPHKHYNLRQTYDSSKMFATKSAVRSVFSRTRPTALRSFNSTSATLADQYDVV
IGGGPGGYVAAIKSAQLGLKTACVEMRGLGGTCLNVGCIPSKALLTSTHHYHDAKHHFA
DHGVVIDGNI SMDVDMQDTKAKSVEGLTGGIEYLLKKGVEYHKGKRITGPNGVEVAL
NEGGSESLDTKNIL IATGSEVTPLPPVPVDNEGGKIVDSTGALEIRKIPEKMAVVG GVI
GLEMGSVWARLGA EVT VIEFLDRILP SNDHEIGKKFQTTLKKQGFKFNLKTKVKSVED
DGVVLTTEPAKGGDAKEEKYDVVLVSTGRRPYTEGLGLELDVGIQTDQLGRIEVD SHFKTA
VPSIYAIGDCISGPMLAHKAE EEGIAAVETIAGFAGHVCYDAIPGVVYTYPEVANVGKSE
EELKEAGIAYNVGNFPFSANSRARANGSSEGFVKVLADKETDQILGVHII GPNAGEMIAE
AVIAIEYGASSED MARTCHAHTLSEAFKEACMDTYDKPIHF

>comp2732_c0_seq1; 290 22 1365 LEN=1662; translated
MERNKQHDSEKMKMEEKRTINAVF IGHANVGKSTIFGHLIRECGGTDNASIEK CENDAAE
KGE GSKMYTWLLDQSAERERGT MISGNLRRLESTKYHINLIDTPGHCDFIENTTTRISQ
ADVALLCIDSSTSGYGRGMDENGQTRQHPLLAYALGVKQMI VIVNKMDGDSVNFSEDRWK
TIRTEVSNYLRIVGYRPMKIPFIPISGWLGDNLISKSIHMPWYDGPTLLEALEDVNV PNR
FSTKPLRVPIQDIQNAGPSGT VLI GRVETGELRPEMEVQFAPSGIIGTVQSLEVECREVS
EAIGGDIVTINMQDKSKLSKHL CRGHILSDSSNHPAQGVSSFQAQLIIMKNYQGEISIGY
TPIIDVHTSHTPCKFVDIKTKMNSRTGQVVEKNPRSLKAGDACIAELQPQTPLCV EEFKK
FPPLGRFLVRGDSGQTVAFVGVKSVIY

>comp2732_c0_seq2; 188 373 1467 LEN=1764; translated
MISGNLRRLESTKYHINLIDTPGHCDFIENTTTRISQADVALLCIDSSTSGYGRGMDENG
QTRQHPLLAYALGVKQMI VIVNKMDGDSVNFSEDRWKTIRTEVSNYLRIVGYRPMKIPFI
PISGWLGDNLISKSIHMPWYDGPTLLEALEDVNV PNR FSTKPLRVPIQDIQNAGPSGT VLI
IGRVETGELRPEMEVQFAPSGIIGTVQSLEVECREVSEAIGGDIVTINMQDKSKLSKHL C
RGHILSDSSNHPAQGVSSFQAQLIIMKNYQGEISIGYTPIIDVHTSHTPCKFVDIKTKM N
SRTGQVVEKNPRSLKAGDACIAELQPQTPLCV EEFKKFPPLGRFLVRGDSGQTVAFVGVK
SVIY

>comp2733_c0_seq1; 507 265 1749 LEN=1959; translated
MKFSICFFLAFAKLATAQRSDIHVLMYETDSSMEDNPTSPLHFFMEQSNFAHLATTVYG

GGLEYRFGDKYQVLREILDVIDPRKLVVVADARDVALNIPHEYELANEAIDRFVRYFEK
LAKNNPHAVVMSAESQCCVSAMTHAHPGDYFDPITKKRNKRACSSGSPGCVWSQENIHA
WVDFQRQAFNQTGIERSGEDVGEVYLNAGLMAGYPEDIMNILDLLDIESYEDDQAVLSG
LMYQFPDKIILDYDQAMFGNNQWPRGLSEGCIFEKGENNALIHRQTKAQPLIVHTPGKFY
GCLDMLIEELGGVSQQRYSLSDSPEGNPRVLEREGISAESTSFSAFPRLSLQSTENCECIC
ESRRHLLSGLWGMKTYFTDEIHQRTEEEKPKIEDEKELSRVIEDSFVEFTTESTNYGN
YGQYGQYGNYGQYGYGQYGYGNYGAAADICVDFCIDKCEDDETNYGSYGN
GSYGNYSVRRRFV

>comp2734_c0_seq1; 204 1 358 LEN=1543; minus strand; translated
XLTSIGEILGFLMLFFVLAFFAPVSFVTQLLYFILAGFLGYLIWAVEPALFSPLMS
ISNSLSGVVILGGILMVSGERGPSNILGCLAISVATINVFGGFAVSYRMLLMFKKEKQ

>comp2735_c0_seq1; 268 1 1010 LEN=1010; translated
XENPTQSEEPSEFPTQSEEPSEPTIVFRFPTLFSLYEIVCSEANANIFSDFCDLINAVP
GLGRLLGQSLFGRKLQSGAKRYTLFAPTNNAFEFYDIPLPDLTNLTIDDKRLVKFLATYH
IVEDLYDYDELDCNQKLTMYNGLESQTRCSIKTGGINIGVQQKFQVGTDSQAFGDDNEDV
VLSKADARITNKNVAASNGILHAVNRFILPNLTIYETDVPTSEPSDSSSYPTSSTTFST
TSLEPSGVIKPPSPGPVQPPTEAPTKSPSKAPSKPPSKPPSKPPPTVNPSPKAPSAEP
SPAASDDPTVGGSEVPSEAPSEALSVAPSVAPSEAPSX

>comp2736_c0_seq1; 344 282 1766 LEN=1940; translated
MGVPNDLVEAGKSSDELHSPRSLRRQIPYVETFEEKTVRDLWEKDPFDGHKYVNAVI
IRSRNNENRRSPILNCCDREPMHPLSLSGYEDSFDRYQPFSTENESDSTRDNISGGGK
NSLIEGATTASIAASPFWTPPKNQKEEEKMNFYLVQVAYEGNAFCGWQTQLKNLVKPSV
QRTLEEWLTVLQNNGHLEADIIVDAVKNADRKRERRLKKQKRETKNVTKKDSRSENSF
STAPRIRWADLPVAGRTDAGVSAIGQVCRFRTHRKDLTAEMISDYLTNRITTAPEISQSL
GITKIVKVSRSFHTFSTSCRAYAYLIDVDTEHNSDCDGVLELFKGGRAKHQISLLDGM
QKLEKALDYIGLSYGRVKTNTICTLHHARAKLVRYETSAGAKSRARTAVCIELVGD
LRRMVRLLEASVRLVSTA EKNAETEPPVIGGIADCGATTDALLQLVEKRDRTIVGRPAP
PDGLVFGARLPLA

>comp2737_c0_seq1; 96 207 650 LEN=1761; translated
MGSAQSATGVGISSGSDPSLPLSAVGEFGRGTRAGGASEADRENDKPKKPAGTAPAGTTG
VGVDVDRRCRKHKRAWGRCVADHYEKKFLPGKSLEPEQDCDDFFEKFRDCYMRGMLVQRR
QKGLPPPCKDSALHEYMVDEGMTDDGE

>comp2738_c0_seq1; 312 72 1442 LEN=1546; translated
MTERCRSSVPKRAFLCSRSDQKETSAAVLPSKVP IIGLCSSFSFFWTNEELAAETND
GQTKTAITAEALTRDHPKVQEWIETIRYAILDCGISLLDTPWYGHGTSEIVVGWALKES
LSGSDADSSNSKLIDREDLCVNTKVGRYEADPTHQFDFSRATLESVQRSLQRMNCGYID
VLQLHDPEFSPTEILLKETIPAMVECRSNGWCKALGLTGYPLEVQYQILQHSLETYGG
ESVRIWDQALTYGHFNLDASLVRRI SPSCESFAECCHQSGMGLLAAAPLSMGLLTNNI
PPDWHPANGSELAKACLEAARICRDLVDVIAILALLFSMSHPSVPCTILGMKDVEQVEKA
SAVARRFAMVDWTIPDLSQELVLSFVLTVPESKAYRILSDREAGPFAEVWKRETAEDYD
NGIFAPKFWQDGVREAEHFWRRTTGQSFEDWQDKSFQ

>comp2739_c0_seq1; 868 247 3336 LEN=3615; translated
MSAVLRFWSCVWFVFCFLLCESIEFNEKKLHDLKSSDIDNGIGKNKDPVAFQEI EVNSL
LTYLESPLGVDKDVPVRSWQIQTKTSDQKHGFTADAVATGNVRRQVFQDSYQLHVST
SASSRWKDCGWASNETSLVPLECKGLTPISTSDMNVSWKVSRLDDGSVIESAVAFFRT
GIFGPWDAQWISGGGWDNTDEKERTLFRKEFSAGASNAGAVPTKNQPARPHATL FVAGL
YNHVYLVNGVRVGDHELDPGWTNYTKRVWYSTYDVTDLVRFADAE EGASNDFFNDTNNV
VAVMLGNGWWSGCGPPPGTQDYCTSDPPQF ILQLHIDGQPVLVSDETWLASADSPILYNS
LYNGE IYDSRIAKRIRGWNTLHYDDSDWEVATLATNDATMATLASQLFEP IRHISSRRI
SIVVAGKGDNLTQVVDFGQNAAVVRLKHVFCPAGTTIALRHAELIMHPPYGEYDNATIY
VENLRTAKPNDYIICNGDPKGESYIP SFTQHGFRYVEITGLNYTLDPDVEAVELHTDVK
QTSFIQFADPLLNIQHMMWGLKSNFMSVQTD CNQRDERKGWMGDAALTAEEAVLTSYGM
GAFYTHWLMQMVENQSPDDGSMNPNI VPPMGRIEGAPNWQTAYPMILWVMTTYGDRQLIF
QHHNSLVRYDFLEASYNKNGLNFRGTGFDWVPPWPHPKTDLHFMGAF AFLGDLKLGID
IFQYSDHPDSDTQVERLTKLRAQSSPDFHAVFFNFATGAYMSGLQTEQALALYLGVVPE
LQDSVLSYLIDDIEITNHGHTTSGIIGIKYAMEVLSKLD RGDVALDLALQTTYP SWGYM
KSQFEPATTVWELWESDFAAPDMNSRNHMFSGITGWFKYVAGIQPLDPGFSRVQIKPN
LLRHENFTASVSTPRGKIYLSYLKKTASDKKNSVVF IYEIILPPCTSGTVYFPMATDDKE
LALSGENNYDFLIRESENPIWLDQMFLPGHDGVLHAEMVGKYLKVEISNGRFTFSITVSE
TASISKLLN

>comp2739_c0_seq2; 583 247 2386 LEN=2386; translated
MSAVLRFWSCVWFVFCFLLCESIEFNEKKLHDLKSSDIDGNGIGKNKDPVAFQEIIEVNSL
LTEYLESPGLGVDKDVPRVSWQIQTKTSDDQKHGFTADAVATGNVRRQVFQDSYQLHVSTS
SASSRWKDCGWWASNETSLVPLECKGLTPISTSDMNVSWKVSRLDDGSVIESAVAFFRT
GIFGPWDAQWISGGGDWNTDEKERTLFRKEFSAGASNAGAVPTKNQPARPHATLFFVAGLG
YNHVYLNQVVRVGDHELDPGWTNYTKRVWYSTYDVTDLVRFADAEEGASNDDFNDDDTNNV
VAVMLGNGWWSGCPPPGTGQDYCTSDPPQFILQLHIDGQPVLVSDETWLASADSPILYNS
LYNGEYDSRIAKRIRGWNTLHYDDSDWEVATLATNDATMATLASQLFEPIRHISSRRPI
SIVVAGKGDNLTQVVDFGQQAQAAVRLKHFVCPAGTTIALRHAELIMHPPYGEYDNATIY
VENLRTAKPNDYIICNGDPKGESYIIPSFTQHGFYVEITGLNYTLDPDVEAVELHTDVK
QTSFIQFADPLLNIQHMMVWGLKSNFMSVQTDNQRDERKGMWMDAALTAEEAVLSYGM
GAFYTHWLMQMVENQSPDDGSMPIVPPMGRIEGAPNWQTAYPMILWVMMTYGDRQLIF
QHHNSLVRYFDFLEASYNKNGLNFRFTGFGDWGTLIYI IQPQTSKNQIALCSQX
>comp2740_c0_seq1; 554 523 2472 LEN=2697; translated
MTKPDPLDDVFADAEDDVYGRVRAPNFHDWEHNGRRRFLSRLRYLGRDKSRSGNGNGGG
GECLGVGGYDGLSEYDAQAEVTCFRPILPSPLRELSYKPRTGWRYNPSARNAPFLDRLGT
GIAEQTGRRNKKQTRTNHPLQNKHRETTTTINSSGNQNAVSNTKAQFNNTDVRPMPSTSMI
VPVAWTSGLPIEKNTCKKFTDQTFTTANNDSDADISTALERKRGRDVTDTGNLPPRKMQR
FSDSSTVVTNSTGGDSLSSSTIASNKTKPTGAAPLGSYIPKAALYQWYGKPKRKMVQVSCD
QYLWECGDGTALHQPNTTTFVICPMTKEAFLAGPLRIAIGDPNSSQAITPDKDGLYWYPR
KVLAEHAAAARAWDSLWRDTGGCDETLVRFVGGAEYWPSPQRPVWPFHRIPAAVLERLPP
DQRPDAAANGAKKEEDEAMACVASGADPASAKHGATNSTVQCANNAGSNRNLIPGGRGQG
RGGRRHSRSNKREEDFAMRKRERDQYARRRQNNRSPYKPNNHVVRPQQQQQWPPQAPGH
NSQPYSSGRSHASMLGDMQRQDRYDYFPRERHQSRNLTQLQPYHNQFQHVGSMMQQHQQQ
PHQIYNQQQPQQYNRQPLIPPPPPPLPPGLPPRVIPPPPPPPPSNRLRP
>comp2741_c0_seq1; 184 640 1212 LEN=1460; translated
MDDYGSVDNGFYDDRIDKVAEPERRAFAYLMLTTVRFAYASAAARLLVVKLVASLSISASA
AALATADFDLSAVEYGETLTVKWRGKPIFIRKRTAEVAVRAVPMGSLRDPETDEDRVL
TDEWVVVLAICPHLGCVPVSNAGEFNGWFCPCCHGSHYDISGRIRKGPAPLNLEVPPYKFT
DGENTQLLIG
>comp2741_c0_seq2; 211 27 794 LEN=1042; translated
MNALRLSSRRLAPQAFKSIQSVARPNKLSSAYSFSGLRRAFTSTSSSWKASSGSGPSVPVP
SGVETMDDYGSVDNGFYDDRIDKVAEPERRAFAYLMLTTVRFAYASAAARLLVVKLVASLS
ISASAAALATADFDLSAVEYGETLTVKWRGKPIFIRKRTAEVAVRAVPMGSLRDPETD
EDRVL TDEWVVVLAICPHLGCVPVSNAGEFNGWFCPCCHGSHYDISGRIRKGPAPLNLEVP
PYKFTDGENTQLLIG
>comp2742_c0_seq1; 193 688 1290 LEN=1490; translated
MTEVVAGYDVCPSYATVFGYLGASGCMILSSWGSAGTWRAGLGVCQMGIDHPKGIKNI
VPIVMAGVLGIYGLIVSVIITQSISSPAGGGYNTYSIFNGYVHLAAGMCCGLSCLAAGGT
IGIIGDAGVRGFLKAEGGRKWFWEEDQGGDDGDFGSSNAEASNKLYVGMIMLIFSEAL
ALYGLIVALILSQNTYVCAA
>comp2743_c0_seq1; 691 93 1055 LEN=1167; translated
MPLSPERKAEYFDTFKNLLSTYSKCFVVEIDNVGSKQLQDTRKTLRGKAEVMMGKNTMMR
KVIKEYCEENPESEAIKLVDECRGNVGFVFTNGDLGGIKEILEANTRPAPAKVGAVAPVD
VVVPKGTGCDPGQTAFQTLQIATKITRQIEMVADTHLIQAGEKVTASQAALLQKLDI
CPFSYGMMLKSVYDNGSLFDKVL EITDDVLT AQFCEALGILASISLAAGFPTQASVPHS
LVNAFKMVL SVTIELDTYSFDVADQYEEYLKDP SKFAGSGGGGGGGEAAAEEVVVEEEEE
EEEAPQGGGLFGDDDGDDY
>comp2744_c0_seq1; 331 186 1349 LEN=1638; translated
MSNSKDISVDENQWMIDDSNIDNDGYSGGDRESSDYDAVDNPDYFNDEQNSSNRDLGAY
DDSQKFKEGGRMEISDEWWE GREKLIAIVAVCWCLCFIIIGVVV GILVGGKKNKTRGP
GATPRPTLHPTLAPQPLPPSLISIKPTERTVQLTLTDSPTFEPTLFTPTISPTVSPAPTIS
IPETLGVIANQDTFVILNGHHDIMGEEHGKMDTFVVQNGPVKDETVPDTVALITFPFDAV
PAFSRLTNLPVSAALRLYHVVP EESRGATYTVRIPETRMAIEYFHGFSFRPPEDDADG
VLVGPSTVTKPDDEVDIDVTEVLF EYEFEEPEEENQMMMLIQNRGPEQLQGGDVVYSRE
SNTPELLIDFVGGDPSDITIVNLPGR
>comp2744_c0_seq2; 331 119 1282 LEN=1571; translated
MSNSKDISVDENQWMIDDSNIDNDGYSGGDRESSDYDAVDNPDYFNDEQNSSNRDLGAY
DDSQKFKEGGRMEISDEWWE GREKLIAIVAVCWCLCFIIIGVVV GILVGGKKNKTRGP
GATPRPTLHPTLAPQPLPPSLISIKPTERTVQLTLTDSPTFEPTLFTPTISPTVSPAPTIS

IPETLGVIANQDTFVILNGHHDIMGEEHGKMDTFVVQNGPVKDETVPDTVALITFPFDDAV
PAFSRLTNLPVSAALRLYHVVPPEESRGTATYTVRIPETRMAIEYFHGFSFRPPEDDADG
VLVGPSTVTKPDDEVVDIDVTEVLFYEFEPPEEPNQMLMIQNRGPEQLQGGDVFYSRE
SNTPELLIDFVGGDPSDITIVNLPGR

>comp2745_c0_seq1; 433 51 1523 LEN=1633; translated
MSVSTDGLRQRKTATGQETKAVENKKTATLTEDDGTNFVEGGIEQNAFFFGLLVAAPFLS
LLLAYLTSEEMATEFPGYATHPVTVMLGVCVSDPAGCASSVVKSGLSVVPATQFVLS
FMGVALVLERFLPGKIECGPETLTGHI PKYVDNAVLHCVIY TALFYLGSNIGYGDLYDFG
IIYDLFPGSVAFLNLFGLAFCVFLTLKGIYFPSTQDSGSSGSLFKDFVWGTELYPRVFG
DLKRFVNCRF SMTFWQLAGLSFCYRSYTLHGHTMDWGLFFSALSQYLYLKFLLWEMGYM
RSIDIIVDRAGFEIQWGCLVWVPAVYTLHSRFLVQYPSGLSF AAAAGLFI LSMTGVVLNY
MADRE RDVFRATNGEALVWGKKPSFIKATYTTIDRKTGESSQKTSLLLASGFVGVARHFQ
YFFELTAAWSWCLLANPLQNGVLVLSYAAFLTYLLIDRAERDSKKCHLKYGYEYEEYCLL
VPYKILPGVY

>comp2746_c0_seq1; 272 286 1470 LEN=1669; translated
MNP RKR SKRMRAAQFGKLYYSGQPNGPSRMEIEQKAVEHCELSDSLAVLQKQEI AATYK
CKDYLAMTEFRLNIYDLLPNGRMNSDITAQN PQQSQPQCPVDSQIDEYCREQIV EWSFR
VVDYFHIDREVVVFSLSMLDRFLALCKCDRATFKLAATTTLHLAVKILHPCKLAE LGILS
DLSRGEFDMKDVAS METHILAE LQWQLHPPSPIAFCTVLLDLFFSSQKMG MVHTDVNDLY
DISSFFTELALCDYFVGVTPSIVAITSI VNALEGMFGPENKVAPRILKLARETNIYQNO
DLSQISHRLWELYERSEECALHNNVDAMEVEKTPETATVPPASAAEVFVRKGD CGAQVVS
DTGSPVSVSKHGKTLSSNELMCAMRSQTLRNGSW

>comp2747_c0_seq1; 744 51 2144 LEN=2358; translated
MAEATTTT NALSARELEWAKNSPELQAKHAEINGPI IIRTRFPPEPNGYLHMGHAKSINMN
FSLAFEKLG VAPENRRCIFRYDDTNPDAESKEYIDSFVHDLEWLGWTPERTTYSSDNFQK
LYELAIKLIKDGLAYCCDMTKAEMEAQRELAMQRVLARNKGEDPDEVAPI SEDILPGRN
RDTSVERNLDIFERMKMG LYDEGTWTLRLKMD FESSNPNMYDLVAYRIRYTSHPHAGNGW
CIYPNYDYTHGICDSLEDIDYSICTLEFETRREPYFWILWALDMYRPNVYEMSRLNLQYT
VLSKRRLKLVNNGI VRGWNDPRMPTLSGYRRRGFTA EI INK FCTDLGATRAS NVIEME K
LYTTARVALSEKTQRAMAAL EP IKVVVTN WEDAKNGGEGMVF EVQNSPTDPSMG SHTIE
LTQTLYIDSSDFRLVDESSY YGLAPNKAVGLKYYGGN LICDEVVFKEGANGKEKSQIVEL
KCHLDGSDRRVKPKT WISWVPAQTAIPCEIRVYNHLFTVPEPSDLWEEE INPKSEIVYEN
GFIDPSVLPVLDKDISLVKSNQALQFERMGYFVVDV DSTFDSSTRTGKLVFNRTVTLKE
EVSKK KATLSKREEEANEARKAKQKADLAAKEARLKIDP INFFKEAE EFKGKYSKFDDNG
VPTHDAEGNELTKS AMKKL KKEQDKHV KQLKKASMKK

>comp2748_c0_seq1; 482 120 1034 LEN=1077; translated
MTTINSTTSLSPALVMEEGADTITQVVVHPLVLLHVL DHHTRRQEASGRVIGTLLGRRD
GKKIEVTNCF AVPHAERGDEVAIGKDFNKQMLALHLRANRKETVVGWYASAA LADGDNEA
PDLIANTSSLIHEFYAEESDEGDPVHLVVDTRLIEDAITARAYRSTPVVVQGEPMANMFH
ELRLTLQNSEPETLALHRMVADSK EKSTEESS EEP LLSMETLYN LLETASNYVDSVVEG
KTS PD AE IGRKVADTLATVPRIRPEVFDKLFNDSLQDMLMVTYLSNITQTQLSIAEKLNA
SLGV

>comp2750_c0_seq1; 352 1 1294 LEN=1404; translated
XTERTPR TMHRSSRSLVLLGSLYILTKIDPILSLLHPSVVEKHLIMVSLYGQSSISFRRS
TSRLAKAADNSANGRRPD AIVTNCN FNANKNPLHRP SDPRS VVG NPSQLDEKASELAEWL
SSKRNVFCLTGAGLSTDSGIPDYRGHKGSYHVGHKPI IHHQFMEHPHQRRRYWGRSMVGW
KTFDQAKPNVGHYLSALERMGR LGVN MEDREDFYDEQDRDEF LFTSGQRRLTVLTQNV D
SLHVRAGSKDVLAIHGENKIVRCMNCGRMCRNDYQE QLEEMNLAWLMKHLKLL EEGKES
SRQQS QLRPDGDAQLVKANYDDVVL PSCPCE DGF FKP DVVFFGDTVPKHRVRI CEQAVE
NCDGILVIGSSSLAVHSAFRHVRAASRKGTSVAVLNVGETRAEAEKLEGLVKIESPISDTL
QRCVEMMGAL

>comp2751_c0_seq1; 538 403 1110 LEN=1295; translated
MSRWADSTDEDDYLHDGDHEDYVEHAVSADQLREPMPLPEHNVHLPDKNIAEGADDEDA
EAEAE EEEEEEEEEETEE EKADRQRRL EEA KAAAKAKKEAE EAAAKEKAQKNDLNDLDD
ILNEMGIEAAPAAEEQTVAADDNEEPEAGGNTSRRRKKKKKGGPAAAEAPAAESEEQP
TTVDVAAVMKAKAGKKKSTTSAKAAAQAASSESKS AKGKKKLSKKDKALQYGR

>comp2753_c0_seq1; 317 431 979 LEN=1392; translated
MTVQNPSPKYNLNTRANNLISRSSTSDDEVEQTATAPTAPKNLMDDDED TMVEQLQOKNT
AVLSTKEIDSKTTSQRDQQLDLVDAIFKGDSPSRNDVKKVEDDRSVLEKIDSFLDKPFF
DPDAYDDDDNSFFGKFARLVKTDYEFFEAVFVACFFLLLITITKDV LRAQMAASSVPSGR

LF

>comp2754_c0_seq1; 209 94 291 LEN=1233; translated
MYRRESPWAVDEPPAEHPAETNPATNAGAIATNDAAPTAPDAAVKTAAPAAVCINSCTND
DDDDL

>comp2755_c0_seq1; 425 155 1525 LEN=1792; translated
MISVSSRSLGVIARRIRGSSSNRLFSTRPIAGGRDVVIVGGARLPFAQASTIYQDEMAV
DLQRLAIKGLIDQTALSKDAIDYVVCGNVIQEVKTSNIAREAAINAGLPYDIPSHVAQA
CISANAAIATGASAIQAGHADVVIAGGVETFSVPIRLTRPIRQKLITLPKAMKGGPIG
ALKHMLKGLKAKDLGLETPAIANYTTGEVMGVSSDKLSAKFGVSRQEQDEFTVRSHTLAQ
KAHDDGFYKEEIIIPYRGSTAENGIKGDSSIESVSKLKPFAVKPNGHTHTAANSSYLTDGAA
ASLIMSEEKAKELGFRPLAYLRDWSFRSCDPWEELLLGPTYCSHDIMQRNKMSMSDIGVF
EIHFAFAGQILSNLVAMDSAKFAQEKLGGNKVGAVDVDMNTKGGSLSIGHPFGATGSRL
VTTASRRLQOGERFALIAACADGGLGHACLLERYD

>comp2756_c0_seq1; 1347 252 3875 LEN=4412; translated
MIHPPPVAADACPKKRNKVGSGKRCHVQATADSSARIFSCVAFLLLLSAASLPTVDAQ
KTTE TLASPIATQILPPTPIPSFFPGSNENVEDTLCTLDLDERANDSQLNVI FHELEQTN
FFQH FVVDLEVKNMFKDEEAKSKPAAPKAPPKPAFGTGQTSQTSSFSMDSFPWGNDEDD
GDDFLCTGGADELDEDAVPLCSVDTGSDSDDMLAGGGFSAWEEKTDEIVMDEDPPCDSDEE
EQDSGIFDIPDSFWMIDCSNIRKGEGETKVVNLELNPERNTYYNGSHVWDIYKENRITTD
DTCLEERVLYRLLSGMHTSTTSLIAKNYPPSKRKNRENWEANPQYFMERFADHPEYIRN
LHFSYIVMLRAIKKARDYLYNYDISSTMPLEDTASTNILLRLLD'TTILRSCSDVFSAFD
ESVMFQEDDNKELRESFKEVFHKISGILDCVQCQCKLHGKLTMLGYGTALKILFVKS PK
NLVLERNEVVALINTAARLSKNLVEVRELT'TMYWEEERTKIANLEIKTEVSKGASVVPDK
LPSQVSSTPFDSLVDLDTVGVISNAGRLELISMEREKELVNMALARHPELMILGKHYSK
DPERFVAMATDLGELESGGRAATK'TSLPALPPDAIVVGSGLSGLAASLNILDRGGTVVIL
EKEHLVGGNSNKASSGINGYCPHNDTCSDSMDAFRNDTIKSAGTVADLIDLVDLVTKSSQ
AVSWLRDRANVDSLQAQLGGHRYKR'THRPSNGMAGAEI IYNIQKTVRSFEKTGRVKILV
DTQVKELLEDGGDRVVGVAESTKDGTVQEI LADNVILATGGFASDRSSGSYLDQHRPE
LMSFPATAGAFSTGDGITMATTLGAATRDMDKVQIHPTGWVDPKDPGNPSKILAAELMRG
VGGMLIDHSGRRFANELGTRAYVTDQMLKHDEEFVKTGKWNPSTEVPTFFLVLSSSAAAD
GKKHVDLYSHKGLLTKVEGDALSNHMGMSTEKITKTISQYQLAAKKGIDFEGKQSFGRV
PAENLKTET'FVYGTVPVLHYCMGGIKINPECSVMREDGKIEGLHAAGEVTGGVHGANR
LGGNSLLECTVFGTVVQKVP'IKKEGT'YRMVIGDEEISTEQLDPGTVGSDEL'PNIQ'MDEL
ARHNT'EDLWVAIHGT'VYDFTEFAHEHPAGFKSIFDLAGTDGTAAFDAVHNLGMLDDFEQ
DRRGILV

>comp2757_c0_seq1; 737 353 2236 LEN=2302; translated
MALAADPTGAFSFTAPAVGKTVANSSSSSSSRLSMVLEKPKAPIKKISKLEILKSESANL
LHPLKEELTTESIGISKDAYQIMKYHGSYQSNREKSKVKDYQFMLRLKQPAGELPPDL
YRLVDDL SANHGQDLRATTRQCFQIHGIMKGLSKTVISSIMNIGSSTVGACGDVNRNVM
TTPAPFVSKDYEYAREYSKVFAHLFRPMTPAFSELWLDGEKVATAELWGKEVEKHNI
IDEA
MTYDSGRGIILDHPVEPLYGDRYLPRKFKIGVTVPGDNSLDIYTNDIGCVVITNDEGELE
GFNVMMVGGMGRTHNKETT'FARAADHM'GFVPKEDIMECLKAILAAQRDHGNRDVRANARM
KYL'VHTL'GIDNFTL'VESYFGKKIQPWKEIQEWKYNDWMGWWEQGDGKLFYGLHVDNGRV
KDEGDFKLKSCMRAIVDKYNLPMIMSPTQSIIFKDIKPEDKAGFEAILAEHGIKPLEEID
PLARLSMACPALPLCGLAQTEAERIMP'SYIERIRAVL'GKLGIDDEEILMRMTGCPNGCAR
PYMAEMAFVGDGPKSYQIWLGGSPVLR'TAWP'FKAKVKND'DLEVIVEPILAMFKEQRQEF
EAFGDFCHRVGADAIEKFSETYEPIAA

>comp2758_c0_seq1; 945 379 4107 LEN=4201; translated
MNFGDETGMEGHGMMAEQQQQYGNDEMMDAEGGGGGYEGEDGMIDIDEVVPVTQEDS
WAVISAYFEEKGLVRQQLDSFDEFIQNTMQELVDSSGDIRVSPELQHMVGYNDDDEDADDV
QFGETKPVFEIKFGQVYLSKPTTVEKDGTVTNMFPHEARLRNLTYSAPLYVDMMNQYRV
PRDINITDPAEDMGEAESTEHAKEFLGYVPIMLRSLFCVLSKDDTDLSDLGECIYDQG
GYFVINGSEKVI'IAQERLSNNH'VYAFRKKQPSKFSWVIE'TRSQVENSTRPVSTLYLQMYQ
KGGRAIEGNQIRSTL'PYIRT'DVPVVIIFRALGYVADRDIIEHVYDLDTDGEMMDLFRPS
LEEAFVIQRQ'EVALDFIGRRGSARDVTKDDRIRYASAILQKEVLP'PHVGI'EEHCETKKGFF
IGYAVHKLLSCKLGRAEEDDRDHFGKRLDLAGPLL'GGLFRLLFRKLTLDVRRHLQRCLD
EGKHFNIGAAIKSNHITDGLKYSLATGNWGDKGASAPKAGVSQVLNRLTYASSLSHLRRC
NTPLARTGKQAKPRLHNT'HWGMVCPAETPEGQAVGLVKNLALMAYITTGTAQVPVMEFL
EEFSTENLTDILPSVADPNTCKIFVNGNWGIHRDPRALVD'TFRSLRRMVDIDAEVSI
VDIAAKEVRIYTDAGRICRPLYV'VQEQQLVIKKQHIMQLQGLS'GEKKLTWTDLLMEGIVE

YIDTEEEETTMMVAMDPLDLDTDDSYSSSTYTHCEIHPSMILGVCASII PFPDHNQSPRNTY
QSAMGKQAMGIYASNYQVRMDTMAHVLHYPQKPLCTTRAMEFLHFRELPSGVNCCVAIMI
YTGYNQEDSLIMNQSAIDRGLFRSSYYRCYIDQEKASSVGTMGSLNSEIFEKPSHDKTRG
MKHGHEYGLDEDGLVAPGTRVSGDDILIGKTAPLDSTANMPSRYTKRDCSTSMKANENGI
VDNVLISTTKEGYRFTKVRIRNVVRVQVGDKFASRHGQKGTIGMTYRQEDMPFTVEGMVP
DII VNPHAIPSRMTIAQLIECLLGKVVVFQCEGDATPFTDVTVEDI STRLHAMGYQKFG
NEHLFQGHGTGRPMCARVFFGPTFYQRLKHLVDDKVHSRARGPVAMLTRQPLEGRSRDGGL
RMGEMERDCLITHGCANFIRDRFFCNSDQYRIHICERCGLTAQVNLKKMTYECRTPSCHD
KPTAICQIEIPYACKLLLQEMMSMCISTRIYTDTRVTRDNSY

>comp2759_c0_seq1; 870 79 2215 LEN=2539; translated
MFATSAAVKAIARREATLKA AVNIRAMS NLSAYDDFGKNVFTGKVADEY LKKHGASGETL
KDP SWVNNADK VANAVFDWALDRGANV FCHWFQPMASSGVRHGLTGQVQNMMLKFNGDG
EVEQDFKGTTLVKGETD GSSFPNGGLRGTHCAGGYLAVDTSSPILCRGDTIFIPSAFVSY
YGAALDEKTPLLRANSALDKHGTRLF SLLGGDASSGVQSNIGLEQEIFLIPREEYYRRPD
LQLTGRTIMGKNAPRGQEMCDHYMAPLSSATAALACMQEIQDECWKMGIP LKTRHREVAP
NQDFDFPLYGTNTTQIDQNVFVMQI I EETAPKHGLAALLQE KPFNEVNGSGKHNNWSIAT
RSGVNF LDVEDVWEATGNPEAFPI IMAAIVAAVDENGDLMRAAIASPGNDFRLGACEAPP
AIVSTYLGEDLTSYLENSLPEKPP EYKPGKMLDLGTREVL PFEVPAEDRNRTSPFPYGG
SRFEFRAVGS SQNVSLVNTV LNTIAAEKFALFADRIEAGEAPADVAREALKKHVKVIFNG
DNYDEANQQMLTDSGVWRIDSGVEAIATLSSDKNVALFEKMGVFNGEELSARQDVLHDHY
TGTVEMEALCMVDMINQHVIP SVKAAGVGPLDEL SAAVTTITAAVAEIHAAESSMDKAQL
ARVLRLETMIDIRATCDAAEEV VPAENWTLATYKELMFLD SHVDPEPDFFGE

>comp2760_c0_seq1; 957 310 2511 LEN=2867; translated
MSAAAKPSDII VFKLQEI VESWKS KRYQKVSQQCVALLKRKKT IENLGMTVPLQRILLQA
YMQEDKYEKVLEWDKASASATKGCEDLILYARYRTEDYANASKQAATAAAGTNDGQDHSC
AVAFKNLQAQSD FHLNRTEEGLAGYLDLLSNEINENDPE SKMEILTNALALIASSACTPG
VAIHMDENNETTKFLLEEA EAALSNDDDAVDEEMLADLASNLGCIRFLTDPTTTENNWLE
QASAAIEAGDGSSEQTNLQWSKHFWYRDI EDITYENVPSSKASNQVSVVQSI AKINQSL
DENLSRLPPQPHPKWNLQVRMYWYDRA ILQLKAGKYVECHDSCQSLKKTLSNKGASDKK
KKNKTGSGGAEATGGAQNASSPAALWWETRADVV LAYAQQNQSKRKDASVRLSNCIHNLQ
AAASSSSSSSMVLDHAMAHALLHQFVMEQKGNKKDRQRQKRELLSLLKSLPDSIQSRPAV
QLTMDLLETV VNNDSSENNKANKANSTPKSPLEADILFGGQYEEACKLYEGALSNGSDDS
ILDSQLRYVQALAMSGQHEASQELWQSLESSVLGESTPVTASLPSGDVLETKTLPRGTSS
NRSSI SKKLAAASNPLEEEETDKPSREKILRRRARKREVYLKQLESK GKYNPDRPTKPD
ERWIPKNERSRSGRNRRGGKSNKGLNSAQGGGSR LDAQRLDAAARRAGKVPVSAGPSSANL
KVSSGGRKGGRRR

>comp2761_c0_seq1; 463 273 950 LEN=1558; translated
MMNFFGKKKKEVNTTVSSTSTSKPSDAQTTIVKLR ESIANQDKREDHIQKKIDMMVKEAK
AKMAKGDKKGA VYAMKRKKLYEQEQAKIQNVRFTLETQVINLESAQQNAQTYQALKQGNT
AMKGI RENVGIDQVDDVMDEIKEEMEMAQEINDAIAQPVDPLMTDEDELLEELNMLETAD
LEAELLKPPPTAVQAMP AAPNSKLPAL EKKEEDDLRALEAELAGL

>comp2762_c0_seq1; 845 418 3075 LEN=3209; translated
MLDATRTEKGGKIDTTP LNTREILKQLVAHFQNIHVKIFAESYSSSDERSQTDIQVLS
EDADDVEQQQLD DSAASPIVQFWLDRLLTLDKAPCNDEGIAGVILEWIRGYEESVRPIV
HSTGSDASPAFHPDC TYVLENYELIFSKILSRLATLPDDPKGIGLSLTLPLTPVIPSFSL
QQQTLQRAIKIFSTDV TLLTVSARYDVEGRNANDDKTNDLRRNVALPTLLKILANTLETM
RLLFATKTVANKAVGNPKTRDEKSSLSDCYECLRRCSVTLLAFEVPEIDDDDES VVRSASI
MLSPHQ LAPSLSSSTSSDDCQSTDLVIRRMFQHVGYNCPCSIDVDDVDFVSKSKNSSSD
FTDVRRIYIDGPLGNDS SAYDDVDDQYWNELQSSLKKS VSLAGWVDPTLNKMTFPVVRSTW
HTIANLLREVSREAKIPFREQDEE IACADISVPKCHRRQVDFVLRRTLGGAGPMLRDTRAH
FFGRDMHSMETLVKLRAD EIAAGNDSFAPSVLVRMGRRVTKAPKSGFDEAPYEQIPSR I
AAALNAFYFLLLPGMSGVDKHC EEQILNDVFPICAALVDSHSSFCCV LGAAGFIRVIEV
LQPRKRGP GSTCTNEKAWINFSDNALSVL DKASKASSDSGVLVAIGRAQAILLDMVVLQE
NEKKEEVRKQAITGETGNHFR LKRRATTRQWLANLERSLHRSTGTRHSLDLLLGGVIPS
LSQHALDEENGADG MEMGRLGLAALLPLTTNSMGFTEQPGDVVGRKTQM ASMVALINLM
FAAHPVMP SHGGKIMSHLLATAADSAPGADRSDDESQNSTGNLPTKDSIRNMAILTAAIA
LVICGQRFAGEVLES IENHREQYQHELVA AVSEVRKLAHCLTASS

>comp2763_c0_seq1; 551 168 2162 LEN=2424; translated
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RKTCQIANAMVRLGVQKGDIVTIYMPMIPELSMTMLACTRIGAVHSVVFAGFSAEALGQR
ISAASKHLITADVGRRGKTIALKEIVNNALTKLDCDSIVEHVMVWERFYDGAESSAPY
EMKKKDIRMDLLVSAQRPYCPPAHMDAEDNLFILYTSGSTGNPKGLVHTTGGYALYAKMT
TQITFDLAPGDIFACVADCGWITGHTYVVYGPPLLNGSTSFMFESTPVYPDEGRYWDMVQR
HKITQFYTAPTAIRLLMRSGDEPVKKYDLSSLKVLGSGVGEPIPEAWRWYEVVVKSNCT
VVDTYWQTEETGGHIIITNLPGITPMKPGSCTLPFYGIDTAVLCPTTGKELTEPDENGNFHG
VMALKQPWPGMARTCLGDHGRFLTIVYKPYPGYYFTGDTVSRSDGYHFIIGRMDDVMNV
SGHRIGTAEVESALVAHPAVAQA AVVGKPHDIKQOSICAFVMLTAGFEESQELIKELRAS
VRSEIGGFCSPDMIIVSPSLPMTRSGKIMRRILRKIVCGETDSLGDSTLADPSIVNLLI
EKVA

>comp2763_c0_seq2; 329 326 1648 LEN=1910; translated
MVWERFYDGAESSAPYEMKKKDIRMDLLVSAQRPYCPPAHMDAEDNLFILYTSGSTGNPK
GLVHTTGGYALYAKMTTQITFDLAPGDIFACVADCGWITGHTYVVYGPPLLNGSTSFMFES
TPVYPDEGRYWDMVQRHKITQFYTAPTAIRLLMRSGDEPVKKYDLSSLKVLGSGVGEPIPE
EAWRWYEVVVKSNCTVVDTYWQTEETGGHIIITNLPGITPMKPGSCTLPFYGIDTAVLCPT
TGKELTEPDENGNFHGVMALKQPWPGMARTCLGDHGRFLTIVYKPYPGYYFTGDTVSRDS
DGYHFIIGRMDDVMNVSGHRIGTAEVESALVAHPAVAQA AVVGKPHDIKQOSICAFVMLT
AGFEESQELIKELRASVRSEIGGFCSPDMIIVSPSLPMTRSGKIMRRILRKIVCGETDSL
GDTSTLADPSIVNLLIEKVA

>comp2764_c0_seq1; 112 119 364 LEN=652; translated
MGGRRNPAAEPKTTQDVDAMAAARIPLAYRDKCGHLLIDLNKCRRENKFKMWECCGHERHT
YEECEYYAWMDRCAQKKNGSA

>comp2765_c0_seq1; 1003 247 2472 LEN=2549; translated
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EALTADIVSKLRFREVQRELERREVDTTGTFTTMRTRLMELADDANNGEQNTSEGSNDVHV
ISNDALNTAFKDTGISFEDNSDPDFDFNLLTEISSLSEKVVHWKTAARRFKQLIKRFGQN
GPESREIPESVFTEVLTAQMOSRLHGARAAEPARRAMEEMISHGYMVPSEIANSCIKDCL
GFEEKDGSHEGFAGIDTALAMLA AVELSEENPTPIFVDTYEKLITTLANEGSIDHALQMLR
TTVVDKADTPSLKV FADVASACVEGSDEPEKLM TGLAYVKATGYELDNI ASTVDGRSILA
AGVIAAEKMNNIGLGLRFLTAASQAEGCEPDRGDTLVANLSPASQRACTIIHRRAILKAV
ENGSWKLAVKLELMLERGLTPSPSVWRNVVILCTKEEKSRKATALLLDWIDLYNQERAE
KPPLRVFN SVVNACEVCGEEELTVRVL D AMKETHDTEGNLITFNIALKRLAKQGNMACE
GIIIGMLQGGIEPSVVTYTTA IASCVADPKKSDVAIEWIKRMKSRLVQPNVITYNTAFAS
CLDGTIEGTRKRASELAVGMINDIKS QLDAGILSKDDYTNII PN FYTRTLAKSLVEQADAQ
MKGGELEDDEDAESTIRGPFLELVDFLNSDLAQLAEKQKQYVKDQLDDKEADIETT IENAE
EEVDEELEY SVAISTHRAAMV

>comp2766_c0_seq1; 243 28 708 LEN=918; minus strand; translated
MFILLYVLLVFGFCPPRKNRTG SVPTANPWLERIGVCIHPASIPPNALPRLASSCRRRLF
FPVPRSLPCGVALRCAAAGTEPQQAGPSTLRTGWLAVVPVLQMPQAHCDAPRRWVRGAEV
GFGPPACRRCRAGGNRRPLAGVGLAARGGDCDRRGARSGGVVQHRVELDECELCVCGQGL
DCLSRQQQVRNFVDGLVHGRAGSLDRSFVGLFCVREGYGTVRVVRW

>comp2767_c0_seq2; 169 102 833 LEN=1043; translated
MQIYLF LIACYLGFVASFRTSSAPLRSSFSRLYANTGQSYQASLPSPLIDAQGNVIESAE
AIAGLVEGQRVALYFGASWCKDCTNLEFM LAQYRSALADSNQPIQLIYVPCDQSQEDQLS
QMQLGLLEVGVPLGETADALKQQYGVWPDVDIERFGGISREIAIEGTETIVAVKGSSEGE
VATERVEIMGKVEDTRDEYGRRS GIPSFVVL DNTGA EFCFLNAERDSISVLADWPLDDPQ
NIW

>comp2768_c0_seq1; 271 1 1100 LEN=1100; translated
TASNTASNTASTTASTTANRTATNTQSSQSWSPSPVKAAPESNRSKASFPTPTLGI EVQN
AVHGRSEATASGTEIVLTRDRDSVGD KKTPTHYRHQPPQLETD DNTCATSSAYTATSSDE
SIRTHGGRSTHEMTMIRTQSIRRDQSHVPGHSSQRPEQAPRTIFYALPSSLVQQPQLV
SQLPNQRLQPPNHRPRRHVRSHSFGSTLSLSSFGASSYNSSSSSEDSNIIANTTSTSSSR
GNSICQNSSHLSDSDQVQEQPQMTFYLRPSVTTVKHVLKEDHQSQQMHENRRRTPIQTST
WDSTRDQTALPAVTANATAYRENY SASKILQRI PGRSTAKIADEMTDETSTSAASTSIS
TSTSTST

>comp2769_c0_seq1; 525 101 1513 LEN=1695; translated
MCNNTVHPPAVGAGSTHSASSTSSQQSHSHSYSHSTGKLV SITVRKENPNDKAGIQLEQ
DKYGTVHV TNIAKNGLFGNSQLEIGDTILSVNRRRLSKGEGPKEILRAVHKYKTISISIR
KAPPKGAPLVGRKKDKKKNQEKDNNRAKIDTYRGC SKYKEDGSINVQYDEDSADDEKKM
PTITISAQKGCPSNCTNEESKPGNRR TSSSSRSTTPKRRSLPSEVGLVGLLELAAEGKNR

LVVREIQPKSIFRGTGLRVGDRILSINDMSFRQYIDA EYAQSVMDNAPFMVTLVIEKPEL
RRGSRKKEELDHSEGSDEDEFGRDTPLSKYELKIETDFLIETYR PATITAPKSRRSQDS
GLTFKLVRTTRPFGKDKKSSAMRKKKATWVYVDKIDPDSLFAKTSLEVGDKIISINNID
LRHTPDPNLA YLTC SRSTESIALVVLKDEKVFKEKKLCF DKSITNLEWKV
>comp2770_c0_seq1; 398 76 1206 LEN=1784; translated
MTVDNSHAATATADDPLARMTSKNNRQQSASNDEIDAMVPSKTNNDAVGNKGFHNKENN
ENQSAFVLNGPETSASAAKINSTISQTDRTHTASIVDAPPILARPRATLAREISRQVLRH
KLQKLRHLVLEGVVSEEYLEQHIMHPKLLDMFDPQTVTYNGGI AKIKEWKISCYLEVMEG
GVPCTNPHELLEVFRLNLTCCDDLFLAWYKQQHACNNHRTNRGHSARRT CERLMTFVTR
YTPAPGEQALLKHVDGAGKVDGSCVLALPVD RWTGPDNSFYGHGGGLTFWDGREPVEDD
GGDRPDRSDGHPKRTRPRTRPREIH YDTRPGDIAFIDRAVWHQADPITKGTRWALVIFYK
VTEQEDDENDCEQERK
>comp2771_c0_seq1; 560 109 1944 LEN=2186; translated
MGSGAKRLLQRWLLARPLPYLKQGSTISIRSKLKTDLRIRSHWRDDGELSFLQHCHLPSG
SATIDNDNQSARIFLSRNEDKMTSLGREDPHLSIDILEKIEVEDSVSNGHIGSEPIVTSL
SLPPPTTIETSEEEVGNLLTIDVDPKINIDCNLTEGGSIFVENKIEGDVRLKTAQGNISV
KKLRGHHELDTTSIQSQQKGEENSTITPSTIFVSDVLESQSLRLAVDRSSVDRIRAK
RIHANTMEIQAGGVGEKDEGDVPLNLTTFRESLLDEDDSGAICDIGSLYLVDATVNVQQS
AASDNRNHGQRQAVRIKSHHGHVHVQVSAPKPNIDNELTGEARPMVDLGGVNGSCEVFVS
RSDSDSKSADDEWTSCHVHFDSIAPDSVSLIDAKGGNVHVTVDRKVESDVRLFSSPSDAH
VDTEILLLEDNEDGSLADEVTHMIQEIEDNATSVNSKALPKADKGFDIETNRIKIETQA
FTSRDRDESGQLQHCQLVDGWENTTSEPDSRFDRKIRGNSGGGKINLGG AQNALHGFV
SDRSGAAEAAGEDFARPLLA VSSSTGKIVLETLSWLGNIARRYGLDENRSEDDLGRQATRR
KGLGRVVPKED
>comp2772_c0_seq1; 286 1 1379 LEN=1575; translated
XTD TD TD TTNXELQLQLQ LNSNSNSNANSNSTPTPKMASTEPELRQAPDSAAPGEEPPV
VEADADLLERGICRVELPPGLDPERWAAELSRPTPLNFGFEGDGEAFLYRNIMDEPGFPF
DLVLLGSGGDGDGDSLSEIGRAVLEHFPVLPKSGDGGIRDPRKVLSEELRLDDAFVHY
HEDQH DTRGKKHRDPSDITVNLCLHKSENAEGLVMFHGARTLRNAGNSDSNSDSGRALA
GGDRHRRFLVPQKQGHATLHFGDHPHETTALTRGSRTNVILTYVYTDPTGATRPPGCATE
QCFSAERTVPESQHAPLSLVGRRTTKLCIDSRFSFGARNPCFPFQWTWAASLSAAGEERR
RDKHSSPPLPTDPRDAKHPADRTRCEDAGSRSDPRQNDGSARDRGRWHTDRADPSGGDD
PFAASDDGRELPSRSPGHCFSSRQNERLEFTKEIILAW
>comp2773_c0_seq1; 486 102 884 LEN=1135; translated
MTASKRKNENVYVTHELTKMVI VVNSNHQENENENEQPPNQGVHPTARTPMERMKLLR
ERWGAAGGPFVAVGASEGGRDDEIALAIGSFLEGGAAEEERESEMLGRAEEV RAGLAHQIQ
RARELYREESSDLSDL SRELGLKEEKALLREIDELESRQRASQENI AVYQAEAAQELD
EIMDVEEQRKQHVPR LKMTISLFASTTGIKWDFCDPDL LSGQVAVPSQNSFKLFSIDPRD
YSPVETANILWGLMDGVEPQ
>comp2774_c0_seq1; 167 208 549 LEN=1127; translated
MLSLASLGRSLAQTSKTPAVQRCLSRRAASGLCGLPDERDSHWRLRSGSEAASSQEDGTA
QGSPGLANPGDSLADHPFYDQTAAAEQMIYTMENSYYFASYKAGSGKEGLGSC
>comp2775_c0_seq1; 115 346 1342 LEN=1342; translated
MFSSSLDGDGDDLNNNENSPDN AFHLITEYPKRSILFSVLMTTTCGATLGPFLDSYHSAFG
VLAYDEPIRFILWGSETYPALTTAWWVPELFGLAGFLIGWLYILFDATLLNASNDERLRP
TPSKTLVGISFFTLQYWLSGILLQSN TLDRTGILNLM SLLAASGFLVLDGTF SGLTVSLI
TCIGGPLIEAGLITATSSGLMSGGYHYTDLGETGFFPLWIVPIYFLGGPANGNLARGFWN
ALSGKRGGGEMVAVNEPCEVCHSTRRTPCPNCDGVGT YVAMGNRIVQCTSCNSR GYVICR
ACFDQFDDDPHDIDGIRDIMNRMPDYEF RNNX
>comp2776_c0_seq1; 581 338 1936 LEN=2424; translated
MPIIAVEEDDQDEVIRLLSGAEIPDIKSNATIS IETPPCTDDEEQKHNEAIDIKGQDPDWD
DNQSGSTFELCSISSCTNLSEYNNNESLNKSVGRSTHSIGRSGHSIGRSGHSIGRSGRS
IGNSTSSHRYTIVRRGPSTSQIQMNR SIGSSNSSGRKIGGPRKSSLSKIIDDVIVIPN
TEERIDTKYFVDHSREIGRGTKTIVRKC IERSTGNRYAVKSVRRTDKTEYEHMRNEVNLL
TVLDHPSIIKIYDTYEDDKFLHIVVDICKGGELYDYVVKPTSTNKKNQOQEA VPNC PSEE
VAAVIVRQVVDVAVYLHDHDIVHRDLKLENLLFKLKPNAKNKQSLTEIRVIDFGLSRKYN
THHRFCSLKKLTSFVGT KLYVAPEVLNHSYTHAVDLWSVGLAYALLSARAPFTGRNDQE
LFDKIQC HCGEQLKFPSPDFDAVSEEAKHFIRSL LVKDESNRPTACELL DHPMVKADQWK
EEIDAAAADGNASLFFKILGRFGKGGKKSRAKGNERN DHGPKSNDLDGRVQ
>comp2777_c0_seq1; 886 1 3159 LEN=3499; translated

VPSAVVIEFTEVAKENQKTNVDTVTPFGRQYSSMRFSAAIGALLVLQKSASSGAASVNP
AGDTFSHQSHHNSKHANQLPKVEGTGARSSRVLRNLPNSHKETESRQKQPEISSSPLAI
SSALVDLGEDKNYEENFGSIFLGLVGTIPNPSADDTIIRSLQEDASQFDHVMGICNEPN
TKGVCSKCQYSSINNAEDGLLCSADVDCNSYVFPNEDSEYFLVAYFQYLYHVCRSENLCV
ESPCEVDVTTKRLSWKDCLYIYDPSDFYTYDPSIYGGYTIQNPEELLQDISFEDLENEIH
DGEAVDEVSVAYLVSNNPSPFESLCDIFSSIEDDAGNSICPTCMSSTIVGEKGLLLYNM
EVDCEDESASINEDLGNLTLQIFEGYSAFCDFSKYSDYFVCETGCEVNVDKSMIAEGCY
FKESAFNYIYATHVVAATTDTFCSYAGGDDGHCRCGITYVDEGEQTNNAVYDVTINSCG
SFEEAMKGEYSRHALLSFYWICYAGTYCTGACEVDVDSMTISMRHCSNNYSVSFTND
ETDSLGGIPSTVGSIVPGESEMTTDESEDMGDEPENKTDGTSLVTISLIVRVPVDLEAI
EEKVIAVAQSILDESMSRRGRQRRLYKVTYHRYLKPDPQRPNLTA VATIVPASSCEPYDS
FDLSAGSQCIVVSLLEVGKGGKIRKYTKSIEDSVENGVFENELQEVGLDITVVMQTNNE
AGNLSDNTLIDPSTATPSTGGPSSLAPSAAPTVMRTKELTVTPTIHTVIDTAMDTAMDTT
MDTTIAPTMAPTMAPTKAITKPTKDPVPTIVPTATPTKARSTKTPTTTTAPSANMISV
KDTSTTSPSTNTPDISDSLTSNLDLVATDPCPGFADDCSRVANPACSWCLETSVCFNAN
VEIEAAPVQNGDGSSIIARKFENQCFGTMTQLVSACPIS SQNP SLGETEGGNYKATNLDA
DVDAEGNVGPD TNADDTLKGTHETTTTSSSTAMNLDAAANDENVDT DANARASFEGINETTD
IAQSSSSSINTAGMLLASGVCC IATV LAMRHM

>comp2779_c0_seq1; 362 143 1012 LEN=1100; translated
MGNSHPQNK'TGRKVVEQKLENAKKTGVLSLCEHKLETCPNQVFEISKLTTLDL SKNKLVK
LNPKLSTLKVLSLNVNNDKMPGSMTPISSLTKLKLTSASNNLLGRPVTNKNSKAPAAP
STAKNTDILPTPLPKGLRTIILLSNNSLTTIPRSIVNNSNPLKLEKLDLSFN NLATVPES
IANLVALNDLNLDSNVIVSLPPAIGKLRKALSLRNHISSATTPQPLPEELWNTLLI
DMNLHGPNMTSTQLNSMDGYDAFLSRREVKNKDILGGALTDLDGCGLK

>comp2780_c0_seq1; 592 106 2070 LEN=4278; translated
MPRWNSLFLLAVAIAATAVDAFYVPGVRPLELKEGEPVEMKVNALTSVHTQIPKDYRRLP
FCVPSSGGPKMASENLGFEFLTGNKIQSSPYSINMLTDAYCTKLCQKTLSPVQAMTLRKH
YGYHNNWIIDNLP SAAVGLNSQT KKKQLHYAGGFPIGFLDANTGHPYIFNHVNIMIKYHQ
YDETKSEYRVVGFVAVPMSIKHSFAGGYEWDGDDPEGWSKTLSSCTDASQHLHTSRESIA
ASQIIAPNESIIIFTYDVIWEQSDIAWSSRWDIYLSDDLVP AEVHWF SITNSILVVLFLS
LLVVSMLVRNLRDIAAYNALAALADEERDEDMDESGWKL VHADVFRPPDNHPMMFCVCC
GGGVQLAL TIFLSICFSAIGFLNPARRGSLMNGILSFYVLSGILAGYVSSRLYKAFKGR
WQLCTVVTALLFPGVAF CIFCFNIILFFLHSSASAPLLDIIIVAAMWCGVSVPLVFGA
YFGYKQESISFPTVTSTIARAIPEPQLIMHPMV GALVAGVVPFAAAYVELFFIMTSLWMD
QYYYVFGFTLIVFFILMVTCAEVTLLL VYNQLCIENHRWWWFSFFAPGSTALYTFIYSIF
WFKALEASKMIMTYLLYFGYMG LICSAMFLVTGTV GALSSSLWFVKTIFGTIKVD

>comp2780_c0_seq2; 737 106 4118 LEN=4178; translated
MPRWNSLFLLAVAIAATAVDAFYVPGVRPLELKEGEPVEMKVNALTSVHTQIPKDYRRLP
FCVPSSGGPKMASENLGFEFLTGNKIQSSPYSINMLTDAYCTKLCQKTLSPVQAMTLRKH
YGYHNNWIIDNLP SAAVGLNSQT KKKQLHYAGGFPIGFLDANTGHPYIFNHVNIMIKYHQ
YDETKSEYRVVGFVAVPMSIKHSFAGGYEWDGDDPEGWSKTLSSCTDASQHLHTSRESIA
ASQIIAPNESIIIFTYDVIWEQSDIAWSSRWDIYLSDDLVP AEVHWF SITNSILVVLFLS
LLVVSMLVRNLRDIAAYNALAALADEERDEDMDESGWKL VHADVFRPPDNHPMMFCVCC
GGGVQLAL TIFLSICFSAIGFLNPARRGSLMNGILSFYVLSGILAGYVSSRLYKAFKGR
WQLCTVVTALLFPGVAF CIFCFNIILFFLHSSASAPLLDIIIVAAMWCGVSVPLVFGA
YFGYKQESISFPTVTSTIARAIPEPQLIMHPMV GALVAGVVPFAAAYVELFFIMTSLWMD
QYYYVFGFTLIVFFILMVTCAEVTLLL VYNQLCIENHRWWWFSFFAPGSTALYTFIYSIF
WFKALEASKMIMTYLLYFGYMG LICSAMFLVTGTV GALSSSLWFVKTIFGTIKVDKRI
GGPGRSKTVFVSRGAAEFSPNQPKHVAAASLIRHKNTPRSKRTNTNTFELSIFKTHFIAF
KIIIFRGAFLASCQPDSSDGASRVLLNLA FVRFC TFSFSGFSVEIVLVGEVRILYRSNSY
RTVIRDATSIQAKVKNVLANVRYQSDLENSLXRVYEDARGNVRTFLRGSVCTPGTSTSTY
SYEKNVKNRDFRENEGKMLLLVFP ECKCVSSPVVWRRSMIARERHTMTLILKFQAVVSTLL
ILSLLPETTRAMASSAAASTISSSVRAIIGGGVSGSASARRLAQLAPSARITLYEMGRG
LGGRSTRKTRSVPHIYINH GAPYADVRSKLGRSLISSLGPSTAPFSGVRGFLDSKTGT
FAPGDGEKEGVYVTGAKGEMSIASAMISGIPSIDTKFKTMIRGLSRSPSGEWQLL DKS
EEVIGSADWLIVAGSGVAHLRWSKTFGGEPPLIAAEKARPD PKLREALDAIASHEASVPL
AVFFSCSGPTARKWLSLDFDVADVNGSSILSRIMI QGKQKDNSSQSDGGDEWCSVVLH
STEEFALQNSGVYGSSSSATRIGDAASDASRENSLISDMMVAMNEIPGMPEINTKLQDES
YSSRYDYGPVIHRWGNAPFKGDALAEFLPSSRIAF CGDYVDTSNPARFGSFESALLS
GTWAGEQVSQFCQKD

>comp2781_c0_seq1; 296 1 1400 LEN=2069; translated
XSCSSTLPFSSHRAENDRSASYKILSQIASVFWDLMSGENDVSSELYSRNDTFITSSPC
I I I SWTEELPAEQAENAHIEKYDSETFCCSIAVRPGTEPSGTVKVFMGSDSGDETNNDDR
TLKEDLLHPDDFGPIPHPKHLS PSSAMTFKECPQSFLFQYLYKIKQPTNKILAKGSMCHS
ALEHVFDLDPKDRTLENLQNLMRVEWAENRLEEEYRFLFEEEEEDAETGSTNVRRDINAE
REWGQSALQLENNYYQSEDPRTILRPNPHKREVWVSADLTVDSSLGVTTPAGRAATKTQP
NPETFVKVIRGIIDRLDIVREAQRKVALKVIDYKTGKAPNLKYSPAMNQKIFEEKFYQLKIY
ALLMREKTHAAANDKDSMDLRYLKLHFLTSEEPAKWPWMDLGENQEIRDDELQKVHKDL
SQIWM DIGALVDKQDPKAFQHCDRPF CFC HVCRDRFVPGTVWERPE
>comp2782_c0_seq1; 626 103 1905 LEN=1975; translated
MTTMMVTPIATVFVLVLAHQGWTESFRGHHGVSFPFRMGYHLDVLPKPTALFSKQHH
NHFFQQQFP IPAMP SDNFRKMAQS QLELLASSLSRADDPSISKVQSMILYLPQENSFTGQL
EFTPAILYPDPSTERVFIASDAASGQAPTLPKSLSKLPGFSSAPDLLPGYPMLAGNDPG
VGTVEEVLCDIRLKTSAISIPLLSGSETVGVLLVSPTVTLDNKSSVENGTSWTKREREQV
SLAAQSLSMALRMDNERNLLREQNSVFRENLSDSLHQMKNPIQALRTYKILQRQVADTT
SDGSGTPELLELAERLMVQSDRVVDM LGPMDSLVETLDQPN SVVMLPPAISNNTENVQSM
VLWNDHPSNNSAMVPRSNPEATIDENDPQPLAPEKITIENRKETEIDGLQATVIGDFETE
MVFITDVLESVFDTFEAIASENDIKFEVSIEDIDDLPGV FVAPKSFQEATSNVLDNAFKY
VVLPKDDALFTRNPNPEVRVRIYPNDHVERPGVTVLVEDNGPGIAEDDLDLIFERGFERSD
KTSSDVGGRGIGLGLARALMKRMGGYLG PASDDMSHFTDILDGAKMKLEVS RKPYPASHR
>comp2783_c0_seq1; 205 389 712 LEN=1247; translated
MPDMLKDFSVDHICYSGEVIDEAASTTKSHLRKTAESARELPKQKQFADSQAEILHSHS
KVLKTQLSENWNSSIASIASMPSAISESWDYHANIYHEQQKQLKQQQ
>comp2784_c0_seq1; 270 142 774 LEN=1022; translated
MKFHLSLPLLSIAFIESTSPAAGA QVDLMPEGEDIYYFKPSETAAAATPPECNKEYESIL
DICEAGAYDLTEFCRLLA FVNYLDLSDSNKSFTIFAPTDEAVSRLFDDVLD SNGIGSTLM
REIIQSNYIDGQVETRDLECN SKPNVSSAGKDPPIKCKVDITGNTVPYIKGRGNARGYI
PRFTDPQNPILTCNSNIYKIDEVLLTNYV
>comp2786_c0_seq1; 355 1 853 LEN=1082; translated
XPPQAEKGPLVTTERS RHQTYQSAKMKFTSTIILSSLLSGVSAFVVPVARPTVATSSLAAT
GVDDKTEVREYFNTEGFNRWNKIYSDSDEVNSVQLDIRTGHQDTIQKILNWVQDDGDISG
KSVCD CGCGVGLAIPLAQMGAKISASDISDSMANEAARRAKEMGLEAKFYTS DLESVSG
KYDVTVCVDVAIHYPTDKMAEMVGHLC SLAEDRVIISFAPK TWYYSFLK KVGELFPGPSK
TTRAYLHEEEVVRNALKKAGFEVAREEMTGTNFYFSRLLEAKRV
>comp2787_c0_seq1; 161 136 501 LEN=783; translated
MASLQLSRHARNLGVINSPAVLYKRILKELPRVLMYDIDMPIEKAKATIRDRFYDNKDV
KDHRVQEMLIETGYFALETSMLQHKQKNHLMHFLEGYTTPLEGDRKRLDQDSTILDQFAR
N
>comp2788_c0_seq1; 309 57 1268 LEN=1553; translated
MQTFYSLLLFSKPRPVVVLFLAASVVVDSFAPATIRSGVLQHHRTKNASAKTERGTL LFA
ESPQYQKQEGILKRSECVGKGSYLLYIDCVDDDTNGYKPGHVLAL EIQPPAVDGCDDDEV
SETMTMNEKTRKDMEANEGWMRGPYTVSRGYGTSSEINGKAKNDGFQVLVKEVGYKSHVF
STCPEGTPVRYGGKFKVPIAEGILEAAETS DSED RGATKRVIMVSTGVGVGPGCLGASEIL
VNMLTSSDAKECAIDSIDLVT SFRTREEIAMASDLDKLQQQQQGRNPEFHWESIITGETG
RLSASGPEFLLDQYVSPATSTGSAIRNTHYHIIGNGQLVNEWTAGLEQAGVPS SRVTTEA
YFNHKGEADPVAVNAICQAILRLDRDAESKEVETAVEQAARDA
>comp2789_c0_seq1; 173 1 400 LEN=882; translated
XDKSKSTRSNNNTSALSLSLQKNIRCYSNPNHVLTPTFYSIMPPKRVKVM TLPINV
IFGHLQKKTRVRIWLYEDTKTQIEGQIIGFDEYMNMTLDDAVEIGKTRIEVGRILLKGDA
ITAIQEANPVKKE
>comp2790_c0_seq1; 181 319 663 LEN=751; translated
MPIKFSKETSSRLFRYVKSVDIRFNPFDNRRTSAREFWRQM QATRYRKMNPRL EINTHVL
GSASPPEIVLKLIDDTEKRYDSRNYTASEIFFDVHLSLDNLDNEFELS GKS LDD
>comp2790_c0_seq2; 153 311 511 LEN=599; translated
MNPRL EINTHVLGSASPPEIVLKLIDDTEKRYDSRNYTASEIFFDVHLSLDNLDNEFELS
GKS LDD
>comp2791_c0_seq1; 541 185 1786 LEN=2000; translated
MKLTSMMGQTAAIALMLVKTCL SFRHCTFPALPSLGLRVEDRGS LNPLFYSNQNGDDPQE
DWRDIRAKLV MQYDKGNDHTTTNRSNTTCMPPIPGMNRWAYDSGDVIEVGS LIVSHPYQD
WGGLKKQHFKCIIILVIEHSQDGTKGIILNRKLQDEQHKNWICHFGGDTEGIGSSDGS LG

CLFRLNDLSRVKIGMALSILNDIAIMPLDIAOQLVDEEEAKKEDFRLYHGYSAWGPGQLE
KQIKRGDWMFVATDTESLWDIIVQESTFSTGTDKWVQMMKRIGKESLMISSPNQKFEDDM
LKQYMLRLLKSSNELQRSSRQQMHARKKSACNLSPGTLVRSSTTILFDEQVVFHQSL
VLILQDNPEMTIGVVLNRPSTSVSIGGTSPLRYGGRFELDDEGIPELWFHCNNEILQE
ARIGEPVSQEGKARSIFWKCTRKAETAIKTGLGRAEDFLVVSGLSVWEKEELTKHAGET
SCIKLDDCFSKVDENSIDTIWKLMLVQEPLNKRNAENLEAANTAWMLSGDAGW
>comp2792_c0_seq1; 370 75 1187 LEN=1322; translated
MKTLLIGSDRNIRLGQRWQGGDPSTCMSSKIPIHFLKTLFAVFAMTLSKASGITVNGVLF
SAPSGAVSNIGVATQTSPLPSTTCRSRVVFIHGRLEADPASDDLTIIPRPAELYSDFCCKGL
AASMSDVFLVDYHEHYRDWRREPRDLELGPVSSAVGETIRKHIKSYSDPMNATATSISV
KITLVSFSGMAAIVLKLKNSPMFESASVSPSSILKNGIKIERAILVEPVWRCWLPAFAV
SRAAEARYSANAKKVEISKVPSLVLVGTNDLEVRHDINGMGMSNGTRNLGQSVARCLQPF
LPNLSTIDIAGGNHFLGCSGPPKFMVFASEGLSSGKSSERLRKEMIDHISEFSAQSPESD
DDSDSDSTAI
>comp2793_c0_seq1; 562 143 1555 LEN=1681; translated
MKFSHATLLAIASVSTASAFSTRSASVTRSTKASVKTPQYAVSVDLDPDSTNTAVPEVKK
VPEATEEPFDMTGVALSGLEKALQWKESDFPKAKDLRAVIPKDCFEPETKTSMKYLSVS
VIGTTLCSLFGARMLNVFNPGSVANLPFWAAYSTVTGTVMGLWVLAHECGHGAFSKNKK
IQDTVGYILHSLFLVPYYSWQRSHAVHHQYTNHMELGETHVPETASGHSLGLRNSLVAKV
GKSAGIKIWGSLQAFHLHLIIGWPAYLLIGATGGPDRGMTNHYWPNPLTTPKQPRRELFPG
NWKAKVMKSDIGVAVGAAGALGWFKGLPLMMAMYGGPLIVVNAWLVLTYTLQHTDQV
PHFSSDKHSFVKALHTIDRPYDKLDPFGFIDFLHHKIGTTHVAHHFDSSIPHYKAQVAT
DAIKKAYPKMHLYDPTPIPKALWRIAKGCTAVEKRGDKWIWKNSSGLEPLL
>comp2794_c0_seq1; 246 48 536 LEN=1045; translated
MKLSFSLLSLALVALSASSVSAAGLSTRKLQEQFEGTDNSQYNAPDAPSYCKKDQQPNNG
DKCPSVGLQCAFNNIQCICGEGGWSCGNPSPTPLTPMPTPSPISKPTCNGSDPCVTI
LKENEEDVTENIAVTDEESSAAGAASAAVMVAAGAATALVL
>comp2795_c0_seq1; 567 164 1852 LEN=2068; translated
MQMQDSQLRNCLRQAFFAPRLLLLVLLICGIVSSTNAKPGPNSMLLRVRLADGSMERVQV
EEGKEDTLTLEDVLKPFVGSDDASITIGTSKETAIRDSFLANLGVNRNGSMITVMAPKEKE
SGNGTTPKTSRFAFRKASASKVGGWNPYPDLAKDYDSVVIEAQKRRASRQSMSYDAISKL
QSSLHVVDPOKEGPLLRVYMCRVSAERFYNSGVVTTASKSKKKQQGPTYNCRAGLLGLTIQ
KERVDQRPKARTSLSSQTADSEYCKVAKIQAIWEPPGQKPSDKLYDAKLAASLLDSSK
KRMKTIANHLGLVPVGIWIFSYQDDRLKEENSFSTEGPQALFGLDVTIGAKLKIQNEMDRR
AIKEDDVLQGDRFVTLAMDATSGATEAFQLSDVCVQMVHEDMFQKLTETDGTSEITNPP
IVPVRHAVLVDGRETLLDSVLCVNTALLSHVGSYSGHVTGSSVSVKINGSLTNKTKK
LLLKALESSDANDFLQEICDFNIMALDQLLSQSQVKSSNNDHEADMEILCGLVRKWAR
GQKKGTAIDPKFKRKLQTYLST
>comp2796_c0_seq1; 326 101 559 LEN=619; translated
MNAERTYIMIKPDGVQRGIVGNIISRFEKGYKLSAMKTKQATKELLDEHYKDLVDKPF
FPGLRDYMMSGPVVCMVWEGKEAVVTGRKMLGETNPLASSPGTIRGDFCIEVGRNICHS
DCVENAEKEIALWFDDEVIDWTSHSKDWIYE
>comp2797_c0_seq1; 355 134 1081 LEN=1373; translated
MSRPELTGHASNFYNEKEARKYNSSSRMINVQREITLRAIELLLLPPDETSLVLDIGCGS
GLSGEVLEEQGHVWVGCDVSRDMLQVAHERMEDSYKVKDDGDSGMSDSDDEDDDGLPST
GDLMHDMGTGLPFRPATFDACVSISALQWLCYSNSASQIPKRRLVRFSSLYSILKKS
RAVLQFYFETAQAVLISECATAVGFGGGIVVDYPNSAKAKKHVYLVSCDRCTCRKQLPTG
MTGDERVENSNRHVQVSSSSSGRTQREGRGKEKPIRKKKGVKTKEWILHKKETQRKKGKNV
RPDTKYTARRRRGKF
>comp2798_c0_seq1; 353 1 1233 LEN=1407; translated
RSILLDELRLVEMETGNSTHWNDETVVGDVDFGLPDDEESQSQPREAPDYESSASNRPASG
ESTDVSIPSDPRKSIHVHRQNLTMATDSAKSLQSSIDFAELQLQEVIGGGGFGQVWKAT
WRGTPVAVKVLTGSAQNTHIAKAILIEFKAEINLLKGMRHPNICLYMGACMTPPNRAIIT
ELAANGSVWDSLRLPLMPPYTASDGTPNGSWPLSLYLPSSHGVPPTSSGSVLRATTEISA
PIPPRGTWPELVKRVSCGAARGMAYLHSGHPPVLRDLKLANLLDESYTTKVCDFGLS
RLKAQARSMTANCGTVQWMAPEVLANRSYDERADVYSFGIIVWELLSRECPYEGMTAIQC
ALAVLNDRKRPEIPKWCPPGLHALIKSCTKKDPSEPSFAEIIAALDAMG
>comp2799_c0_seq1; 354 206 1651 LEN=2196; translated
MIGAALLAVSFALTLFPVFRASNDWMWIETHHYTGERRGLPSNDSYLSRRRLEKETSIGRD
KTISDTSYDFPFQADIGSSSSSRDIGSKQHQRQAFPSSETESGRRNFFFPIDFRRQKGRLL

NVGFSGDDDGARKRGQRNRPPRRKSLTNGIKDRSFPMSIVSGNSTTIPPAMASGGDPS
EGTTATTALVEKTNHALEKRRATSATLQHGDFAFRARSNYNDSNVELSLSLDPFSLASLVR
NLVASSVGAGSVYVGTLLKLLGPMILAKQCLASVGYAFYDYSGRYLPQKQQRVRCVQEY
ELIAAGRAALRSLQLFLCMGLVGQVRLVLDPHRSCTLGPPWPCHLWYGVVWLASVCAA
GCACEEWGDFLAKKTGNRFAPSSLSVLSTATDAGPRADFFFSSKHHVREDCLRGRKRKN
VVGPPQRRFVKGPSRDPENWLKSIMCILPDREDPIRPRQSGTNSGICRKVSGDVEDVLLFPS
VW

>comp2800_c0_seq1; 558 204 1547 LEN=1894; translated
MASAGDTPETLPEFANAEDYLKYLGTVSQPLPLGFATGTADGTFISVEAPGLGNLKIRATV
IQLTEGPTENWAACFTSNKFPGAPIKVGRKRLEAGGPIEALVINNKVSNVCSGGDGEADA
EMVCEAVAKALNLESKDLVLPSSGTGVIWRLPAKELATEVVPEAIKNMQTDSVLNAAEAI
MTTDRFPKVRISITLSNGARVVGIAKGAGMIEPNMATMLS YILTDATVPKETLQSMGLSVV
NDTFNCMSVDGESTSDTVVCLASNKISEDIDLKEFESALKTVSEGLAADIVRNGEGTSH
VMRVVISNFPGTKKDARFLGRHIVNSPLFKCAVAGNDPNTGRLAGAIGSYMGKYMADDT
TKMSLTLGGRSIFTKGKFVLEGDKVEKELSNHMKNAEYGDTHFPHPHQRVFEIGVDFGIE
NTDFEDVSVLGSDDLTKKEYVVINADYRS

>comp2800_c0_seq2; 159 204 467 LEN=595; translated
MASAGDTPETLPEFANAEDYLKYLGTVSQPLPLGFATGTADGTFISVEAPGLGNLKIRATV
IQLTEGPTENWAACFTSNKVGLKHQYA

>comp2801_c0_seq1; 480 213 1673 LEN=1868; translated
MNVVKSRSNNLPRASTSPDKKFSKAVTNINLYQEIPTEVSLDDFEFALDRLKVLKKIE
QLKIRHVHPDNYKKHLDPLLSKLNDPKDTISHFVLRLAYCRSEDLRRWILAQEVALLKH
RLHHSRVGNAI PNALRSVLPNAHVMTRESELEPLPKILAATPSLNKNPLSVASGGEASAI
GQAIYRVPFAQALDLVQHRQVFKAGKAYIPESKLLNLVTARFRTNLSRQLALLSAVPST
PSLQRTTGFLKNVATVHTQQEDYSRTNKDGNMNAHNVP SHLKHMPCLMAQLQMALGTEK
HLKHWGRLQYGLFLKGAGLSLDDALTYFERMFVVGKDFNKEYSYNFRHMYGKEGKRQSYPP
YTCSKIINSNAPNANEHHGCPYKHSSVQDLSRMLSRLGVAPSQQKSIVAQKQSHNYQLAC
VEHFKAVHPGVTPSESNFGNHPNAWFASSVKA AAVSGGGTTSSEPGSPSSPGDATMKDAD
PVSVS P

>comp2802_c0_seq1; 353 111 2171 LEN=2759; translated
MSMANAKEASSTGTSDDPIALLDDDDDDGTVASIGAVRNTNERKRSASPGRECSL
ESVPRKRSVRGNRAVSPQERAILPHDDGCM LNPRHP IKIFATDRDKTTRNLRRRLKKGE
VDSDKDGYHYTNTEDAYRTHWSVFHCWTFREMLGFDRFSGIRYQTQADLIGSDTFPGAKT
NKISHGNPVGIDWIFITTYILDVDYLLHELPELLDIPLVVIYQYKDFSSREEAWIKEVS
SKKEHNALALVERNPRDPPRTE SNPLKVRMPYGC HHTKMTLVGYSSGRLRVHIHTSNLRQG
DVHDKCQGAFLQDFLPKTEDQLCNFVTSDFEESLVTYLESYHFVLPVWVWKA EIGRGE
EATTLVSNIQTYDFSSSVGLVLPVSPGYHNASLDARPSHRGNREIYG LKVVHKAIREHCN
CDSSSAGPIVCQFSSMGALWEPYLDKVA AAWNAGAANCGSKTVATSRPPKKGELAA SWLR
FVWPPTLEVKESEVEGPMGGNSVPGTAKNLHKT FVRSL LHKWRFLSSNNGGSTTGM YENL
DSTDSNQRRWKEEDPLDKGCHVPHIKSYYQIHELGD RYGRDSMLWFVLS SHNMSVA AWGQ
IQNRQKDLGRKVLTVQHWELGIFLAPSTLGVRS MGPTLEGSRRHRQAYNCKTANDDP INEA
TRAVIPLPFKFRPIKYQDSDKPWVVG

>comp2803_c0_seq1; 724 1 2003 LEN=2106; translated
XAPSAPSAPPTPNHRTTPTKEYFHGLFPLTTDCEHNHDVDKCKQSVREVFAAERVASIVP
TKAPSAFTRVFLSLEYAPGAERSDVARNRGLGLGYSFYSTTRHLAGKKRIEKEFEYEP LF
QSNVYDTSLEANAETEFVQILPPEGHVETVVVDGEEYLRLVDPKRTLSEL SERAFGDIAH
LLRPKHLGQLRSILEDP EASKNDKFVALELLRNADIASGRILPGCQDTGT AIVSAKRGRH
VLTDGDDEEYLSLGAYQAYKNLNLRYSQVAPLDMFKEKNTGTNLPAQIDVAAAKGDEYKF
LFMAKGGGSANKTFLYQQTKALLNPGSLEEF LDNTIKSIGTSACPPYHLAIVVGGLSAEL
NLKAVKMASTK FYDDLPTTGSEGGRAYRDVEWEKHILKMTRNMGIGAQFGGKYFCHDVRV
IRLPRHGASCVPVIGVSCSADRQILAKINKDGVFVERLET DVAKYIPDVTE SDLANDDDN
DTEAVSIDLDSMSMTELRETLAKYPTKTRLSLTGTIVVARDIAHAKMLTKIESGGLPDY
AKNNIIYYAGPAKTPEGYASGSFGPTTAGRMDAYVKKFMENGGSFVTLAKGNRSKAVTNA
CKKYGGFYLSIGGPAAILAKNCIKNVEVLDNEEDGMEAVWKIDVVDFFPAFIVVDDKGD
FFKEWLG

>comp2804_c0_seq1; 165 190 1288 LEN=1714; translated
MFAVLPLCVINCLLLALVSYSREKFR LGFSPNGHLLTLLVSVFLVSKVNLAYDRYRAVR
EYAGRGSTLLRELIQMAMAISIAHSNNNIENSEREKELRQWRLECV EKVKELLNSSVCVL
QDRSLAKHFAYNKPVTKSGPSILTSSSSYDSRTVDLNGGSRDEDAXDNASGSPAADPITA
TASLLHPGHGVRASRTGPPDEQAPGIRNMLHLAAHAGIDSASF SAGANGEGLSVDM DILD

AXLLEGPFSMWSAQTFLLFFLTGFIGLELVSIKLSDPFGSGRDDVPI SGIRDAAIQI
DNDLREIAGMQATISERRLKFSRQTIRQRHQSASHAQETEAGDCQDHHDDQNYGYHAMAG
ADNDIA

>comp2805_c0_seq1; 393 234 1334 LEN=1480; translated
MARWHSTSGRRTTSLFESVANGYYRNTNSDEI PLEKLLQKASGIVRDYSRKNRNSDSDSP
AVFSLEALGTQAVYENTLFFPSFYNAGVGANKKSSPSSSTTGMTERGFSNWILPGKIMVG
QYPGRVPEKNTPTETEVEVRAHLGEVLEASRRSDATTTNGGVCFVSLQSELPPQDDYDSWKAS
GGEIYLEGDARSEWPNPFSHYAPTVEWVRSRMDTDGDGDSAVEVQYLHHPIRDLSVPSNS
KHLRLLLWKILEVLNRESDGNSDSMVYIHCWGGRRGRAGLTACCLLALLHFASEGTDG
GGNHDDNLSAIFDIVQTGYDSRLGSEHMLLALSRSPQTSQRAVAGFYGEVRAAAAEAG
KNGNAK

>comp2806_c0_seq1; 85 212 439 LEN=816; translated
MLEEGARSHLDASEHYREAREFARWSAEDRASRRADLPPLTPEQREQMRNYLRIMQEYHA
FNPDSDLDPATGKPR

>comp2806_c0_seq2; 143 360 704 LEN=1081; translated
MFQNFGRLSANQRVWGAIGGVIVVGTAFKITYFRYCRDAMLEEGARSHLDASEHYREARE
FARWSAEDRASRRADLPPLTPEQREQMRNYLRIMQEYHAFNPDSDLDPATGKPR

>comp2807_c0_seq1; 321 70 780 LEN=1754; translated
MATTMGEACDSSLIGSFYFIGINAWPTVLDDLTNSTTQRRGEVLMFGFQDIPGGDLTYLT
DRAWTDEGFVPNFVVGKEGILKFTTPPQGVPSGVAFGIGNNTQIYKYAEEMDEDVDGTQA
EVGGNETHYFDLGLDGDQVFLYCVGGDGKDRPIAGISYNGDFAYQDTYGTNKSSAPGSFQ
EHDTESGANRTLLVMPTVATEDETSKIFLDWQYVGPMSLNFELQDAIRDTEENNW

>comp2808_c0_seq1; 879 391 3246 LEN=3502; translated
MSPAMTDADEILSYATGTSSLSGKFATHDVYDEHLEDIHANLSKRESIRTSLSISNRNN
RVSNGKQDPYDELEQDIRETVRSSTKQSRNLPSHNGRRNSNNSNKEQRDKKTKSSDQKS
SHSGRTRSKMRSSGNECASTVASSMSMLSKDDSENKDTGHRNRNKMERTSSGRRIRSNS
DINRLLQYDETDGYSTEKSRGSSSTRGGKNISSSRSGHRSLAGSVRNRTQSCERRVGR
STSESVPKVVLDSDNRDDLDPKRRSSSQHFQSNLKNRRRSDERRNDDRYGKSSSSLSRS
IRSIQRRQSDQENKEKRREREGKSLDALDKLQDRSFEKAWADDRPILGQRSRSEREISNKS
FSRIEGVKGDCSTRSGTFPADKGGKTKLEKIHELQKCDLYKAELRKLTDQRYYRRLD
NSREEVISLKKIVDEYEGDITALQTKLADVQDTLQMTSAQRSELTELSVAKELARVNI
DYAKSVEEARSTKTELEGVKQKLADREKKIAELEELRKSVENVKQFEADVLYADEHIDK
LESEVKRLEIDLTTYKDAERDSVLNSDGNQNGDHLRRAKEEAERKRFEEQENRIKERNR
ILEEQKQEFEAERKRCYEEQRKKERDFEEQRAREDDRLKIAEADQQRKEEKMNKILKTL
DENAALKGRLKGEQLDSTIKLQKKDNAIGELQKEVARLTKEQKHDSAPNNSPALLQEI
RLKAAA AVKEVDFEDAHIKNMELTNEVSDLQIASKEMVALLSLENEVVEQKLEVDNQKK
KTMEWQKKSGEWSDKAFKWKEMSEYWEKKAKESNNHSDSCSSF DENVVQTDPOALFLAAV
EKKVMNTSTANGNGSWHLRRLFGQAPENGDEAHDIVEKLESENSMKQTEINKLKSELVKL
QTNFKGEAYSRSQYEYELRKEKNDLEVTNANLLKELELARKLNQTI SDYVD

>comp2809_c0_seq1; 260 36 322 LEN=322; translated
MITSFTIAVTAVALTEWKKLEGNGKNTTHHQKDKVKDKDTGKRYGSMQRKASKAKKKASR
PVAVASSYFVAGDILFDPTKTRASTANNNGNGNG

>comp2809_c0_seq2; 147 1 370 LEN=370; translated
XSHRIASHPIPSHQDEPRTLGRGEFWKQTDKQTGGTVGAVALTEWKKLEGNGKNTTHHQK
DKVKDKDTGKRYGSMQRKASKAKKKASRPVAVASSYFVAGDILFDPTKTRASTANNNGN
GNG

>comp2810_c0_seq1; 595 426 2948 LEN=4823; translated
MKTHPPFGSAPGPRAVGFPPAIAFRRQDALHDQORRRFFSSPPPGAGQSLGSIFGTDPSGG
SYLEDFTIDLTEIARGGKKQGGADSPGGNGSGGNTKMDPIIGRHEEIGRCLQILARRTKS
NPILIGQAGVGKTAVAEGLAQRIVGGQVPESMKHKRVLSLDVTGLVSGAYMRGQFEERLR
GILKEVTESDGSVILFVDEIHLIGTAGKGEVSDMGNMLKPALARGDLQLIGATTLD EYR
ILEKDPALARRFQAVYVDEPSVEDTSLIRGLKPHYELHHAGIRIKDEALVAAAEMSDRY
ITDRFQPKSIDLVDEACSQLRLEQESKPEVLWKVERDLMTKQIEMSALQGEDDKNSIKR
RETVASEVEELKQRAQKLTQEMWQEERNLSTRVKDLKQELAEAQQEMEIARSKGDFARAGE
LLHSKIPHLKHELEETEKEEDDASATQGSRLNDSVDASIAAIVARSTGIPVSKITGTE
SRKLLDMEDKLRQRVIGQDHALQAVSNVRLSRTGLQARDRTLGNFLFAGPSGVGKTELC
KALAEFLFDDQAMTRIDMSEFGKHTVSRILIGSPPGYVGYEKGGVLTEAVRRRYPYQILL
LDEFEKSHPDVWNLLLQLFDDGRLTDSHGREVDFSNVIVVMTSNMGAHVISELPSHLKGN
EPEVKESIMNVVRNTLSPELLNRIDETVIFNRLQREQMGQIAGIHLEDIATRLEENHGMA
LKVSKSAQACIEEHGFDIRYGARPLKRAITKDILNPLSKAILGGEIRDADLVRVVTRGEA

INLQNEERHLGWVTGADPRSTDRNDVLLKNHEAYTDDDISGSGKVSGEDDDYYSDREWRA
>comp2811_c0_seq1; 230 126 665 LEN=1172; translated
MASIWARYNKLLDTQPLLTCLTSLTGFTVGDILAQKFI EPSDKPYDIMRTIRLGSFGFL
FHGSTGHYFYGMLDSKMPGKTPVTVASKVLIDQTIWNPIFGCCFFGFLNFAEGKTWDDYT
KKLNSDLKTAVMGSWAVVPAHTINFAPFIPPSQRLLYINTIQIGYNIFLSFLGNKKADE
>comp2812_c0_seq1; 226 101 787 LEN=877; translated
MLGTRKHLILEVVVVVVALVWNHSL EATRFQGQVDAFLATAVFPKFPARGCTAPRQPQFPS
MGPLFSLGDSRAPPDRETNRAGNGSDAVEKKNRRKRSLYSFSEARKIARGHGFSTREEF
IEYDCAGAYQVPKNADEVWSEDTWSEDFLGLRLAEFEQARDVARSRVGPNSTTSWKVST
EEEYLELFRSKQIDDDDIASRLPYRPDLFYKNKGWTSWEDFLSPGSDE
>comp2813_c0_seq1; 180 87 717 LEN=717; translated
MGKKRNNRRRQNYQSGSSNTPRLGSKGCSLCYDSSIPENLNAHVNDSQTCADIHLQLAM
LRYDNAMCSVQEKYQELCCTKVDTGNGGSTLGFMLGAI VAGFFLKNMFTLRKR RVEEMK
SMDGGMELPRTVSLGARSRNSNSRENQDIPSTWYVRMDDSKSKSKSSSRSRGKPMAYIT
NSKRLEKKEARRDPKH YFLPDDL GAGVDQE
>comp2814_c0_seq1; 413 344 1789 LEN=1805; translated
MTTSVCYPDQCCIDTDESCGMEGTHFSTISSVFPRLKQLLRKSVNSLSPSTPFEENDE
TAIATLIFESMYTPGRVYHSMQHVFNISDNCDIETDPMLLLSTLFHDVIYYTVDKSFLKS
QLELLDNVLA FEDAGDEPKRLKEPLLLSPDAQEDPLLD MIFRLDFDKPGTPLPSFGSNEF
LSAVIGVRVLSKWL SVQVTQLTAAIEATVPFRPPSPDGKTAMDRLYDRLITVAPNQSED
WFEETIHLSALMANCDLCSFDSNFDFFLDSNWSLVP EFRPALLKENCPLQEYYDEF LAM
EGRTKFLISAIPNIFQVFRNVPSESE LADKRASTRANLV LGDDYAQVRRQLQMLVMEFVT
MVGEIPESIPGRQFLSLELKKSSCSGEE SPVRKRLDPGRRQGF PWDPARCSLGAFLYDHL
GKEGIDTAVEVGKTQKPGSGHLLDHL PNDVVAVVAASLEEILPDHSEALKNISDKLGF SQ
T
>comp2815_c0_seq1; 336 1 1594 LEN=2098; translated
XLQPTYHPPVPSSTKQRKERAIMGSSNRRKRRKGINIERVLFPLVILMAIGLLFVN
ISVMVEHSNKGKRRGSDEADSSIRKSRGMSESEKQKRGNGSDSHSKDVQKDRLPPPETK
PHDEPKPSKQETPQTAA PGENSGGDI DEHMLRILRHVGIHNSQLTDQELSALPTWSQV
VEKFGNKGPVMLGRETCSEYRSSVDRKHRKLG VAGPFSSGTHYLHTILSNCKSLEDKGR
VMFQVPWGKHQSANFRLVHNVAVSSTLKN DHKKNETT GKLDHPPLDPKHLKENKSVLP IV
VVRDPYSWWQSMCRVRYSAHWFHVVPDHC PNFV PNEVEREFWFKTKKEIRKHYNNDPWKV
DNVVDKANFTLDKTVVPLWVRYHSEN RQHKS LAHMWADWYNDY YEANFPRLMIRLEDLVF
YPHETLKMVCECANDDDDGDEQKASFEYVGDENLELSLESAIKGKGDKVDNIHGKDR TGL
LGAMKKHAGKYSDEHRLTGMPSDMEFAEAVL KESDVFKDLGYQRPVRPSA
>comp2816_c0_seq1; 335 428 1477 LEN=1579; minus strand; translated
MRLLFVALSVDVVRAKGLLSGTDGILEHEFVGVVLD TLLGGVVELFRPRQYLVL LFPFRWH
VDLAQVPADAAQR PDLKGARPRQKEHPRKGLVQRGGRHQRAVVLQH QDLVGRSQAFYQPL
PLVDGIRRALEGVVGQAALGRQSRFLADGQQAEPRLTHGRRIQGVYVPHGVGVRPAPVDR
RVDHKARLEDPASPVA VHHVPVQVDLED RRGPHFVEARTKFVDEKVR AIQDIVRVNLE
RDVVENVLVPALHEGYPVTSRQLAALLPLDFFLGNAASRIAFFCRVLRNRREL PSSFWN
RTPDLRVVRAMLSSYGGWTKPPQVANGCSESVH VYDDDDAISDFYRVPW
>comp2817_c0_seq1; 281 294 1094 LEN=1516; translated
MTAATNRDNSVKVKASSTTKVAGPKTASSGIMHQVIMP KTLPTAPPTSQPSKPVSLPAN
RTVATVTTTHRSNYAKKTNGRVSKRNGVWYLG GNHVVKLLTSVDGDL DHSILSKLAAVPT
VVGELALSVELVSDDITVGGFENDLLAKIASNTLTAKRE IMAAKAAAAPKATP ICTTPT
PLGSTSMGAAAAASTHKKAKGAPSSGSEQV PNPLLANYQPVPNPLAIRITPPASPHTSAA
TEQSSAGSPKTTKTLQTKGLPLIHAR
>comp2818_c0_seq1; 125 402 829 LEN=885; translated
MAEXHDL SAE LAQREASLPGSQKETKGF LPVPLRSRRPRNKDPALSPLQAAGGGPPAGVE
EPPGSHGDAPELDEEGPPAPPGRSDRADRTG STPVARKVTAQAGTGSRAKAKRKRQ ILEA
YPRIQADGGTRRSNRCLLVPRF
>comp2819_c0_seq1; 886 1 2587 LEN=2842; translated
XSPGPSPAPSPFPTLAPNSGQTPAPSPGSPAPSAEPS SPPSPAPTGACSISSCLNCTA
IVEGIELDCADIPEEKQPVCFCECVRELQFTYTGR SCPENQLSCTDNSPSPFVAGYRIT
DANDPTLVLATGQAQQQDTIVVTSPTGCI PDTLSVTISVPTGAVTQTFLIDARCDGGRGL
TLLGNYGAFESVGYTCDATDVHNCVQT VTYGKVCNDGPEPQKIYEFDLTTKETNTAFDE
SCDLLQDGSIPMLGPGECYENKPF EVNRCVQSNYCVDVVANATDVL TGIPSPCPASDEI
KFGWPGMPLPPPTFPPTVMPSPPPSPAPTSACVIDVKIDGCPAPNISLDNNCEGRPQTIT
FKYTGDC EQSRNFQSRQKFMCTPAEGPSAPTTKGT VNYIEAVPRGGGDLYYAGNVAVG D

NYILNENKQFDKLSADMTITIFESQGGPVLQTVDVHLSQALFLFDKFGANQVVRWVET
DGRVVEAQAFVTTDDFVLNLETSEVTGSGGPITLTEMVLTNAQDLPIDYTPQVAGKQLI
PGQPINLPGFQLDIDLQRTQTEYTFFTTIIIGQTSDBGTPCNGSDFHSCVVGFNLSFSFPTDV
PTPRPTITPFPTGSPNSTACEIASNIECTVTRPANPKLPLSCSDLGSGVSATCSSELLAA
FLEYDGSGLGPRVFNPTCGKNEFFGQFVNANEVVELNTRAADFCDGAVTIGIYDADPLQG
GSQLGSADVELSCPGPWTIGNTIAPGLTLAYVSTVNNGLTFTYNFLDAEVQIDYVGINA
GAGPLTVSGGDYSGTSPFTSGAITGGSTITGRGRQVLATETQTISLPGTGGTALDFSMSV
DGATANQFALPCTTASNYRLNL

>comp2820_c0_seq1; 463 128 1036 LEN=1279; translated
MTSGVPVGDSPFGPTEMPTEEQRHMSGLCCFNWLGLTSLAAFICGVYSFAYCNFLSRYV
TLSDNYSFGDFAAACSDLGYEDGDSFDAQTCQSIMEDHAIGFSYWQATIPVDQRVCFSYT
QLTPWGYASPDFDSSFFTSRTFAIIGYVFGGMAWFTLACSSCCMIDQORLKGIGCYFIIA
SFSQGLSLVMFRSNI CEKGFFEPYFVPPSQRDNETYLESFNSVVADVECELSFGSKMAIS
ASVLYFICALMVPFSVVPPLYEQRYRRDFDGDQQQRGQDEASPSPLPEGEGPVVRGHVTG
KV

>comp2821_c0_seq1; 327 451 1662 LEN=2405; translated
MTSLNNDGIMRRGSYNQGLSNSKIESARRFLYDEDESFSGSVNFKSVRRNTNLSGFPTVT
SVPYGNENTRGRDYSSKRCLCAIVLIGILAVCVWTSFVVASGRESPEHVDEKRIQEFQSK
IVELGLSLEGDIETTGTTPQYHALQWLANDDGAKLDVADAHAMQRYALAVLFYSTAGTEDH
IDPNANGQWVNQTNWMTGAGFCSWHGKCIADSTEHRNEDGDVLALDLSQNGLDGVLPS
ELSAFSLQRLDFSHNGLTGNLPKNFETLTGLRSLILRNKLSGTIPKGFGIKLTNMVWL
NLGENQLHGPIPSEMEHMVDLRSGLDRNQLSGKIPDLEDLSKLLKLYLKENNLEGPFP
SLSKLTSLVEINLSGNHLTGLLPSEIEKLTCLGELVHDQAFSE

>comp2821_c0_seq2; 365 451 2208 LEN=2278; translated
MTSLNNDGIMRRGSYNQGLSNSKIESARRFLYDEDESFSGSVNFKSVRRNTNLSGFPTVT
SVPYGNENTRGRDYSSKRCLCAIVLIGILAVCVWTSFVVASGRESPEHVDEKRIQEFQSK
IVELGLSLEGDIETTGTTPQYHALQWLANDDGAKLDVADAHAMQRYALAVLFYSTAGTEDH
IDPNANGQWVNQTNWMTGAGFCSWHGKCIADSTEHRNEDGDVLALDLSQNGLDGVLPS
ELSAFSLQRLDFSHNGLTGNLPKNFETLTGLRSLILRNKLSGTIPKGFGIKLTNMVWL
NLGENQLHGPIPSEMEHMVDLRSGLDRNQLSGKIPDLEDLSKLLKLYLKENNLEGPFP
SLSKLTSLVEINLSGNHLTGLLPSEIEKLTCLLELLILNKMNLRGTIPEIFKKVTRTEL
NLSNHFQGIPTSIGHLKDIQGFFLGENKLTGTIPRQVGLMVDLKRFEIDGNNIGGTIP
NLISALNSLEGFKLSRNSITGTIPPDIGNLHRLVELEFESNKLEKVPPEIGNLVNLKQA
RLYDNNLTGDVPKEVCALTKDEDLAYLGVDKASDKVNCDCCTKCF

>comp2822_c0_seq1; 1075 150 3365 LEN=3600; translated
MTWFRANRALWACPNTLPPDTARTISTTTRRKNVEHLIEEYLGQRTEDDGCSESSDV
LEKEEWMHNDYPLEEKNDTPAATHTTDEDNYGYFEISLTTNAIQDMVDEGTIWVAEQAT
KNCECENGEGLLSAAPLAAGPLVLWLRDLRQPQAPDPDRDDAQMDHKRIGEIESGMF
SASISDGTNWCSGAIWQTKEGQLEDLSECVLSISGFVLGVHCAASLECPSPDTARGDR
KDCDDNCTVASGGKRPKPVSCCSLNSLDGNKRQTSPIYITRYEVLYEKRSKNQSHDD
DDSINDIQFTEQIRSQTCELQKEGILAGLLASRKLGTDLVIGEDKGKLI CHSYHNRHDHL
CQEAAMLKINENALEVRNFMEQHFAITTLKSRKEDASLMASSFSLMLGSQKCFQNYYS
ALNEFDQGQRENLFSLNDTTEESFVDGSDPEETASDTRREQKRIQNKETMEYALQCTE
ERLSPPELLLRWHAWLLGDGLEQEAGAFRSEKISVRVGAF CASMEDHWLPRVRQDPTNAVR
IATFAAAVKLGFLDMRPF EAGNQLLARILFCWSLRRAGLPFSVITYSNEKQKLDYYSLIE
STRRNLVPLGLVDADIMTRILLSTGGLAPLVGFLVNCIASSAIDLRLVEKKNMASE
ETNARLRLAREKAAKGTICICFDENPNIVTMCCGKPVHFNMAEWLTSNSSCPQCRSDI
PSLSTRRFSQARENPPVEYQDRSYLRNLFSEEFLYAHSSSSSSSSSSSSSSSSSSSS
TESAFFYSGLDYGVNDTSSANSPVENESTNSIRNLLPYRIDSPVPSQIQTGLNYVTSD
ESQHNYVTDDTDDSDAISQSGNDDGDGQYSFDSNHSANYSTHFELTRGNSADNDSGWES
ESTALSFARSGRLEL CDDSAANSEPELSDDGTENSEHYSCSDDEQSSLGDQEHLHRFRMS
FLDPELLGNAQALESRRSRRTYLHRESSDSMVGQERLRF LRDGEGNGSLEFALPADPRYL
RVGDGSSHDANQLVSSII EGSLTNAFADMRCDVTPAQPNPVPDNDVSVTI

>comp2824_c0_seq1; 213 247 945 LEN=1438; translated
MMLRIGISLLAFLAAWAPLSSALSCPPQKTSAAHQSSSLASTRRSFVGGAAAAAGLVT
SGPSFASEPPSSTGLPSKGARAPSFELPNSRGTGLVTL DGLVKNSKWTVLYFYPGAFTSG
CTLEARGFQKDL EYRKLNAQIVGVSVDPEKNAQFCTEEKLDFFMLSDKGGIVSKKYGS
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>comp2825_c0_seq1; 371 203 1609 LEN=1929; translated
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PNAEVPYSRKKVLDFRTPMLEQRVNELRRIYNYFRDEKTSVDETIITTCYDSNSRLVRKI
LAIADPTKLHLVGHSGGATQLLAAQKWIMEGHDEKVQTEATTEAHPMSMRLSDSENPAT
TSTMTIDTSTSSSSPPIQSVMVFDANFSLSDVLRNRSISIPSSPTGSTTAAPTIVSVL
SEQWERTNPEKEQTLQFLRNCPPSTTYSYLARDSVHQSI SDTECYLPSIVARKLENLGPS
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>comp2826_c0_seq1; 428 99 1355 LEN=2092; translated
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EDGEQKLPPLNVGEEYEGIQRLEKKLSLRKERLKKLCAGRPAAYARYLEANEEAAGDIRI
AEYKESYPDEDKPLSCGLPRSKLIRTCSSRLGLLQFEAMHTLPCFYTILVVMVAVHSTFCA
CTETVSNILYGSIFENIVSKNVYNAFVIGFGLALLRINGHCFWYTGTSNDYTLIQMEMGN
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>comp2827_c0_seq1; 324 1 787 LEN=1350; translated
NEFYLHNPQKTI FAQAKRRKINGPEHQKYFFNDNQLQETLSPLLTPRDHMDSSGFSTV
TSSSHRVATTSISVATEASNDFGSAMPEDVDPHDIIGVKPELLAIGINATEFLEWIGTKE
DLMEKQLQADFKSYNSERVEEADKFMMDAENVNMYIKYLKDRKANPAKYANEALEAELSL
SNPKTAATYA AWLIGGVSGVLRREKYIDPKLASGEWKGITL DLPFLHKADAAAEEAASLT
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>comp2828_c0_seq1; 303 44 721 LEN=1265; translated
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QPF RDGIDAIVSFCPTDDGGDDTEVCNDSNSVLACFLLSGDPKEDEFMLSSTVERELGFV
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>comp2829_c0_seq1; 398 1 822 LEN=863; translated
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NEDPEKDITLYINSPGGSVSAGMAIYDTMQYVPCDVSTVCFGMAASMGAFLLGAGAKGR
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>comp2830_c0_seq1; 333 437 1549 LEN=1844; translated
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ITVAVLSTALVTRGVLRKRRSDREKFGDDDL SHPLGPGLSVWSLTACLNVDPDIGAPTSVVQ
KIQR LAETTSTVTREGLQSLIAETALELARQVGKTVASVESQYHHYRSSDQSVVRAERH
YNRISARERSKFERESWSNYNGKIRLDDV SERDALSPSSAGDSIASLALVQIHLVIEGNT
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PRLWPLDYTK
>comp2831_c0_seq1; 702 254 2596 LEN=3098; translated
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IAGVMAASA AVKAGVPENYCNRVYTTKSQRSASQEQISEELRQAQETLGVYEPESYDKEP
DLSSGSGLKRQSTPRNVRRKGT PRHMDPEDELREDVEDNETVEDQSQQGNNNSNPYSSRR
SYVNSDITMGNTTVKHFNGNASLFDMEEDGAKSPSISGRSGRSQFASMVEELKHVQKE
RRLGSSVKSHDLKKQTTKEIDHLGVCVSSIKNDYQK SCKSPKHSVVTSSYLNSINKSPVG
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FFDGKVDLLPPTPRRKSPEPTGYSMVGNKLVHDWDTSPSPHFNNKGTSPRFSNRYTV
KDMMSPKSGTTYNTEAEVREAPSSILDNVATQDRPNFGGQRPASLVTGPETVDDDTVEEK
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>comp2832_c0_seq1; 697 194 2851 LEN=3032; translated
MSAGKGATSPKVKGLIKRYSGAPIQEAIASPSVYSSSTTAGSPAPKTALHDQLHVSVD
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DSQYYATTGSVSNEKPTKALNGNQVCSPTASVQTSNSTSRKSRSSILFLKRVLSPPIL
RQRLRSSSHLYGNKFKERDTS DGSCQDNSNNDNISSSSRSSVELNPKTNNDTEMPERIS
IVAKSVSPTASKNRRRRELEEE SVGKPADAMIRSVSCNATSIFHHSFSMESICGVSMGE

LHNSDMSNLVFEESNRKLMASATNYGSESRQGNLMNDTLGQQSNLDYSYCDSDMGP I SEDPT
VQESI ECI FASQLEDGLNLWDDHGDSDENCTTEI I LQRHNPSFGTLNRPQNPSSSSSPR
GNLNELIS PAGFQQSRMNRKDRKNSSRSLYANMSQNKRRYEQASLVYVGTDFPSCPSPTH
TISQDNVRNISTNDNSLDSATIYDTINPLPCRCATNFLPAIEPKDWPQAPIALRPTPGSG
TKVKAIRLCNSDEPLWVPGSHLWWSQLAKRWGRKCEDQSPHFASCEECVMLP INNGNEA
PGE SLVTD FESELFEGTLLLRRLRHS DGTTP EPEYDDSKGYFAGVNRRYQVCIRGRFKKTL S
FTELNNGFRLRRKFGKLP SKWVLKSALKVVSFFAPQLDIKLEGVDQPYSLTPLGSTPQCI
TIDDADVLYNEKNKEMSGCSGLSDGLNSINKNPLDGTNEEPIEAHRSLIGAALKADTSL
QRAKMRKKA FDKL FVQKSPCKTDP SKIYTFEFLQHMLNFQDFTVELGSVMGSLELGDIL
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>comp2833_c0_seq1; 207 1 465 LEN=1065; translated
NNSNNNNKPKPKPKRKANRAGKRQDKVVKQSPKKTSGNKPGRTPNHKQGVVGRKRKRNK
NKNKNNQSNNDNTNGLDRGGGESSFLLGSGFSAVDIVYVQCLDWSKDIGWNDKWKDNDA
LASVVAACKSRAAYARTLAVAKNEGKHDRSGSKL
>comp2834_c0_seq1; 332 403 1736 LEN=2334; translated
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NNLLL RME DDDDDMSWLQGPPEGIPEMETIECDVAIIGGGPAGCTCALYTSRADLSTV
ILDKNEAVGALAITSHIANYPGVDRSMSGIELLRQMKKQAVEYGTTRICDRAQVFMIEIQD
DGGDDENGSKSNPYNKIVYTPDYTVKARSLVLATGAMGRSMPYLPGE EKYLQGVSYCAT
CDGAFYRGSEVAVFGSTGEAMEEAMFLTKFASTVHWITPTD VVG YLDRLDAGGFQNVEMN
SMFDEAILRELLSKPNVKHKNKARLREVEGDVSGVTGVNVQLIGSGEEFTIPVEGAFIYG
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CVAAMSIEKFLKGRKIIKVDWVHK
>comp2835_c0_seq1; 287 55 720 LEN=1398; translated
MTNTDNDTVTEKRENGVMKRIASISGANGEKQGDAFKLAPFNPSSDQIQEKATSMFDLGE
HDVLFDIGCGDGRLLCFAATKIPGLKCVGIEILEEFVSRARERVKECNLESRIDIRLEDA
TKLVETSTAEIGKGIKANDEGEKCLSDLTLLDDATALYLFILPKGIVKIMPILQSLKEKR
NDEGKRLKVL SYMFKIHDWEATKTDVSGKGGCPVYYYDFQP
>comp2836_c0_seq1; 214 163 1056 LEN=1503; translated
MIAQLFRSPVSSLSRARLWSPSLALLLGVMMASMQFSPGWIGAGIGGPCSM DGAGLGV L
AFRPS PQQTWGLRVR RPSGPCRATAGRFPGGFV L APAGDRLRPGWQSPGSGRVRHPG
TADAYGH CRRRGLFDPLFGGRSSEEDGGSGADTHGSDDARNRRKRSFSMKRIGGRQRRG
RRFP E EASKPLPPTTTDSGDKRRFPGGFLISALLAL TLLKNLLLGSGGGDAGY Y YSYSS
SSSSVYETTIDPDGSRRTTETSRRVTS DLKSNIPGLTKDSIPGANQNLGIVIYDDGF
>comp2838_c0_seq1; 519 158 1960 LEN=2197; translated
MAESMEMVDQCQSVTPPEVLNTKYKPI SDP SLLPKKRSQIPGACSNLVNSIVGAGIIGIP
FALQQSGLVSGI I LLLLVGYFTDKSLRMLVNLATSSSSSLRGKGVWTYDDLMLR LFP GPPGR
TFVLVSMFVTAYGAMVAYLLI IKDTLPVVLGLVDDGDSSVGGFLERELIMIVTSLVVVVP
LSMQRDFSSLAFTSSISVTADMILVVFVA AFAPIQETVSAAGGFGEVIKNSIIDKGFFIG
FGVLTVAMCCQHSAFIAASSLDNPTPKRWSVVTAVSLTISVCCCLVLGVSGYLGFLDDTQ
GDILNNGFVDTVVANTARALLAL TMFFTYPMEAFVARHVLVQLLWNGDMDGYIVDTVANE
QTGEETTSQRKSKCCYVLRNRHQVTFLIYLLT LMPALIVDDLGPVLSITGAIGGCCLAYI
GPGLVYLG IHGDDFINRLANRILALNTNKASSNASEVDLPLEGDATAQMSPGGRAVDPR
QVFSTEYLSGYRKPWFYVVLGMPLFVKIALKGSNGLSERLAALDGEHHRPNSPTT L S ADN
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>comp2839_c0_seq1; 454 80 1561 LEN=2009; translated
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RKDQGYELFPFLVDAEKVASSLSSTAE LNSVLSTPTMPDFPLVPRLERCLLKWKPPHP
RSQEDKRLMFWMP SYPSSGGSCPTKKGDIVRQVIDGLFLGERIDATAYGNPTKDFHASSN
NLKRCIGVSETIACTSSHPLVSTTPHLRHHVFRGAVIVP IRNPATVIPQHYTSKDMAYRQ
ASQISVESWRQMRDSYFEGSLADWMRIIRFWRGTKSRLGEPASYYQTELYVPYEDLITT
DVVKASAIIEKVS NLLGGAGSTEIVNASNATSSDLTKHGFFETS KSKADYECLWYRVAHK
EWERLQNVIGHYI PAYTVRQKNMMIQNLTIYADEIEAEILNDKSDLALASLLRRYAFQIK
HYVVVEDVIYTPQ
>comp2840_c0_seq1; 193 1 707 LEN=1003; translated
XNTYTTTMDALLAGYSSDSE DGPSPASGNRDGETGEPGPQKEQPKPKPAGLALLL G
GGADDGSCSSSSEGA AHRGQAGRGGSPAEPASKKPRRGNEGNHDTNGGGSSRLFLARH
RLFPFRLASLRSGSTSPSSSSSMVHRSRDSLSREAPRHREKGS PETITASIGSKQHHQRF
RFKQLAALVAPCGGSHKSWAEAIKSEQGFHNPGVVFQSVMERSGITEPLGSRADPA

>comp2841_c0_seq1; 164 90 362 LEN=593; translated
MTYRARGRSLIEVVLAVCFVVFVGVFITVLCIGNYFRAKRAQERQRRLAKLAASNAA
AAQGMATDANYSASYEAPAHVAGGGVQA
>comp2842_c0_seq1; 412 29 856 LEN=995; translated
MATQTDWGNAMSQEDMMMKTIVLVLDDDDNVIIGSASKRKSHEFTPEQPRAILHRAF'SVFI
FDESTGELLQQRASSKITFPNVWTNTCCSHPLHGMEPPEVDGPKDVADGTVMGVKNAAI
RKLDELGIPGSELDINKFKFLTRLHYWAADTITHGPDSPWGEHEIDYVLFYTVSSKSDL
TIKHPDEVDVVKWVTRDVLIEEMMEDKSLFSPWFRLICKKWLDDHWWKDLKRTMTTDDH
VDLKS IHCFDPPKEHLGGGGKAGPLFGAEVEGDER
>comp2842_c0_seq2; 831 29 2308 LEN=2355; translated
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RKLDELGIPGSELDINKFKFLTRLHYWAADTITHGPDSPWGEHEIDYVLFYTVSSKSDL
TIKHPDEVDVVKWVTRDVLIEEMMEDKSLFSPWFRLICKKWLDDHWWKDLKRTMTTDDH
VDLKS IHCFDPPKEHLGGGGKAGPLFGAEVEGDESCKQGAYGKIKTHKEPLVKQLSHLDE
VFAAVTFLYVKPLKSNLDTPIRETFDADDLAFCDIEILVKVSRSFAAVIRQLPATMLVDI
LIFYLVLRALDVTEDDMTSFSPNDVVIKHLNLFHKTALADPTWTMDGVGEADEKRLQOF
DKHRVFAKLSDKSRRVIVDITQRMATGMAEFVVGKDLGQGTDDIDQYNRYCHFVAGLVGE
GLSRLFAASGLEKASFASEVFLSDQMGLFLQKTNIIRDYLEDYVDGRAFWPQSIWKKHSK
TGELGYFTEQNDPEVRMRSLECLNELVTDALAPDCLLYLSKLECAEIFRFCAIPQVMA
IATLNYCYNNDVFTGVVKIRKGTSCKLILRTNSLDEVHDTFYQFARGVLRKADANRSQG
VLDPSYARTIKICKTMDITADGHNREKARQLPWMAASLLVPAAGVAASMLLKIDVTKDM
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>comp2843_c0_seq1; 486 251 1847 LEN=2227; translated
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ASIFNFDETVLETVAGTIAINATIHEQIKWRGGTNDDPYDRYSKTCAGDLNPLLPRIQI
EKTVTQKSAEAPSKTSYSMAVDYSMLSVPVHGIIDLYKKWPSFKRHLGDKFPLNGRVRNT
MQFMLVIDNCFVGRPVIRILTTLVFSPPFLSLHYDSLRLPLSNFLDCYKDPNRAFAIRLS
YDSTESNTTSIWKGTGKCRASFPCWEGDASGTAAPSARIPTDNNSPGAYVLDPMGLEFAL
LYGMGFLLVVSLLFNCQLANRLRSRQVLPPEPSRQPRPAWSGPGDPAASGSGSRRRNSTG
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>comp2843_c0_seq2; 521 251 1702 LEN=2082; translated
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ASIFNFDETVLETVAGTIAINATIHEQIKWRGGTNDDPYDRYSKTCAGDLNPLLPRIQI
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KDPNRAFAIRLSYDSTESNTTSIWKGTGKCRASFPCWEGDASGTAAPSARIPTDNNSPGA
YVLDPMGLEFALLYGMGFLLVVSLLFNCQLANRLRSRQVLPPEPSRQPRPAWSGPGDPAAS
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EGV
>comp2844_c0_seq1; 421 104 955 LEN=955; translated
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NAPLEVEALYNAYPQATQKNNDNNTPLDLAIADGASPNVVSLLQGKKVPPTTEDEALEK
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MEEVSFVLSRKCLPLNDHVKSSIMELNLILMLHPNDLGSKSSCR
>comp2844_c0_seq2; 789 104 1840 LEN=1952; translated
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MEEVRKAAAADNSHANGIGGIEDYAGRNEEEEEAQLI EDALCPPDDTVEIALSKLVGLEA
VKNQIRGMRTMELVKTEQNGKLAHPSHIVLEGNPGVGKTSVATILADVLYEIGVTKTLN
FMSVGRDELIDRKESRTIAKTRKVLERAKGGVVLVNEGYTLLPSTARPRSRDHGGAALR
EIARTLPSGNPLIILTGSSELELQRISSIEGFKSHFLTRIEFSDPTPSQVARIFIGKMSE
KGLVPGDGVTVDYLAELISTNTDEDWRLERNRIADLLLNGVRAELRKRMHFSDDSSKVS
FSPIKMMSPTAASRMPAATPDEIFVTVEDVQNAIVNGM

>comp2845_c0_seq1; 275 86 1216 LEN=1686; translated
MKDHAVVVTPNRETLRHQVNVAFAASQASKTPLSSRPLTPGRSRRGGGGVFRSKSPGKR
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TSGLSGVSRASVTSEHPKERAIGGPGVASQRNAYSSVRNRYSPSADTRSDQDERNWNRNPN
GSEDEERESFRSARSVKSMVSVFSGGKSTGSYGRSVASNKSSYSAFKAPPNFVNAAFNQG
QKRISDNDNDVNTSLSFGLDEGRWVNKQQNQYPQEQPQRQVYRSRFSRSSRSSFQNSK
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KLNMILKVESSPALRKKW

>comp2846_c0_seq1; 1067 73 1707 LEN=1850; translated
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RVMALGPASKDVIIGGLCKVIAEDKQESYLCCICLMNLSFLEASITTTILQHSPSADGKEIP
PLENPNLSLLRVLEKLLTNSPAAPKASSGKSEGVWACGLIKNLAKSEENAALIGLTEIPK
CVVENIRAATAPPSRWTSNSLEDFSLFVILNLAQWPQSRESLISAGAVDVIKSIMAEGDL
QGLKATMACAFDLAAWTDFPESGNPAKAVSELMTNIVEKKGKDGQYAYGVFKLYTATKA
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AEHAVTAIEAMPLPAIQAGDPPRKSQSDKACGEVSMQLLTYADISGTSPEAKASARAAA
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CVIA

>comp2847_c0_seq1; 351 197 1045 LEN=1265; translated
MKGRWKEERMESSPLYSTTPASDSFFQVWIRAQKALAAFFVREYSVRALPCASRTDLFLV
SVSQLINSRECAEYREGWFGNEILWHTSTSHNFQLFPQKDPPTTENITSPPLTLKMKVEFH
LKQKFKLVSNDYRITQNGGAVYQVKGNAFKWGNQASQFQTIIGGEELCCLKQTNATTVTPWN
NYEWFKDGELWATAKQEDWGMASKKEIDIDIPGDNDYKIKGDRMSWNFTILKGDVKVGEI
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>comp2848_c0_seq1; 305 102 989 LEN=1167; translated
MVADGLVSGISQWIDNLIGVHGSSGYVFIFLLAYIGYRFMNSSEPFKKSSQVEEDEEEEE
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CGVALAKMSFDEHLNLAGCKDLNYGEKDELENWINKFTYYRKYPKGRLLVDDILDPL
KSRTLTKEDLAKHMGDAEEIPEGYAAVPIYIGAGNKVFDASFGGVEFYGPAGGYNKFAGR
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>comp2849_c0_seq1; 940 110 2494 LEN=2649; translated
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LASMLNLEYCEDEIANDHNLNVKLAADLEAELVQKQOHATVNDAGEYENYDDEEEDLESS
DFLDALDEVHTRFLLNVPPEELSSSERIFFQLEQAWWYEDLICDKLEDEGQCLLPRHS
NLKDFAEERLDFDFPLGGLDFDKLWNEFTIYKRKISTYGCILLNEDCTHVVMCKVYESNV
WTFPAGKINENEIGIEAAARETYEETGFDPHCNYGLTGQWNSREEDREKHITWMHPLQDP
DNMLTYVEQKSGKRRTFYVCCGVPEDYFPQVCRKEVDKIEWVLDLRDIREYETFVAVLPFV
GKLKWKIKRKNKSGKNNKVKVKKIKKKKERKANKSRTKSRPKSREKSSSTRDKQSSSRQRSS
RKKDREQLVDAGLIASMGDSARWTEREMFEANSKLQGGRVVEYDGNPHLFVEKGFIDDS
ATGQKRVDPHSFRVVGGSFMNSKHGDKLAEVNDAGANYQPLVRNSNEDSGLQPFSEHGA
TPWGEVVEAKSEDEGSDSTRFSGSDGPAGIENSRRASQDLLTMLQKQAPDKSKKSRK
SKKSKHQHQHQPISGDYDYDNSNHDELMI FATDKEITAKRQRDHELKKGKNEYSSSL
VSPLRSSINTATRDDARRQLLAQYEEDMKFVHKWVANSLPNPINFKIRNVDGIIDQHC
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>comp2850_c0_seq1; 223 1 682 LEN=973; translated
XFVLLHLKPNQIIIEQRAQATGFCGNHFLFFASDRKSTNTQAMISESLNDITDVVDLSKS
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KTQATTDTTDDDDDDYGYDEEERWLRNENRYHQLRDSEPIFRSTVLNNDVSTSSIQP
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>comp2850_c0_seq2; 244 286 846 LEN=1137; translated
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YDPDF

>comp2851_c0_seq1; 372 239 1342 LEN=1342; translated
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RAAPKRKRKRKKAQVVAETAPEETEPEGAPPLVPDLRPREDAPVVLEVRNIVAPEGDPE
PSAVAKAGAVLSSVSSMLGSSKGEPEGAGSERAVSPPPPGLGGPGRSLDDSLDQLEEDARS

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VESKSKWPX

>comp2852_c0_seq1; 579 121 2565 LEN=3050; translated
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EKDEEANGSFRRKVMRERALQSLCHFVRAPKSEIDNCINSQSKTEETRVPTTDYTSMEDR
ACDDDAKNDIDSSGYGEFVTTEAEIPPSQDLTEPNANDPLPPEYLYDDLTRDAESCVSS
VLSENTNPFHIIKNDFRDFTRNRHPDES SVSVASGWEEFDPSTQNTIYFHPATGARTTEK
PLEPHSENF RPWYLFYTSFSFRKMRKCSKWDDDEMOKIIGLALPYTAHTIAVDIFGLLEV
GVIGRLLGTTELSAYFATEFAISFATMFFHGILASLKVLSQAHGADNIRLAGTYVQIGV
WTHHLFSLPLVLYGWNHFDVVLRLGLDEGTAESADQYARFALIYEAIGIYDGALHCVLV
VTGHEKYSAISNGFRASLSFLAVLIVSVMLNKGAELWMVGAHLVAKVFFFFFNMSVILY
QKWLNDNYWSEMVGNPF SHMAPIKTLWKASLRLSSGRVIENCEWNI LFVFSAIQGP AEVA
IWGLV GELWDFADDIVIAVSDASKVRCAHLLGSGLP EQAKYCSEKSLF IGVVTSI IMSVS
LGILRSNIPRWLTNDFTLQRL LGDMIPMVCLAVATLSFGSLCSSILCAQGRAHLATAVTG
FGSLAIALPLALMSNFCFNLN LQGLIASLIIGYATSGFCNSILMLTSNWT HISRKVRKRT
SRIEVKLEKDKMLYNATTD TAVVDGKVEASGDLT

>comp2853_c0_seq1; 947 242 3074 LEN=3661; translated
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T KNDPFWQQVKAGMEQTARMDKVDL D LLLYDDEDPTLDASTLANAMVNDIRKYDYLYNGAE
PDNDRRQRRRRNSFADFTNRGDGKNQENENENVEPRCGFGGCKSRIEGGQISTNDALSPRP
AAMIVSLPGNSKVEDALRSIQKDSNNDMPIFGINALASNRENS SIEKEGSSSFFLGTVSM
NETQAGVMAGNHIRELLSREDKIDGAVTGLYVNRSDVHALKERFDALSSTSSDIVQTW
EVAYLEKNTTEEDFMAFFEGCRHTVIQLAGGSGIVESILEALVANGCNIEDNHIVGTFTD
SSPFIYDAITEGTIDFAIAQQPYLQGS HAVLMAALYATTGQKLVGGAEAA NIETGPILVT
EESDDFPGKRHQICESEGY PVCWPGTGSSEKSECPCTDRSNISIAVVTHDESSDFWNTVF
SGISQAATDFGISVERNRYKRVGPNHGRQRQHGKQTNLRLKHTFDINQACQSKKIDGLIV
SLPDASMMSSLVGCKSRGIPYLALNALADTNQNDI VEKLSPTRPSVPYVQKDFESGFE
AGKRLIEAGVVQGWCLMHDNFDTLNDRC DGMKEAFL ENEKTEFMGIIYV PNNNDALTYKT
LVETA FNQDGRGDDWSGYGILSTGREQIPSLLSLEDHPKILAGTYDVESTLYKENNDSA
LRDQIFGIDQNA YMEGYLSVATMVWKTSTSETHTIPILETGPNFVSQTDSSSSQVIEKE
EHWHQQRDNGFRFCESRKSEPPPIEERPLTFTGKCSQLDRKCGVCEGDCDDDT HC GEGL
VCFVRDSLTS GVS DPVPGCSGNPIEWSAKDFCVDARLYECKD VDVFEDEWGI FPSNGRAP
LWNWTS D GARNTGGFAEPHAGIAVKKHAKTTQPHT EAINRPTN

>comp2854_c0_seq1; 240 124 921 LEN=1748; translated
MAIYNTSSNNN HASNASVLSIVIGTTFVVGTLSSV G W Y Y Y F T R A T I S K D S G D D N G S N K S S
LSPAKPSSSLIKPPFPQTLRDMLSVCR LAYLSTVDNAAGSSHL SLMRFTYLHDES DGEVV
IMSTNRKTKKFDMLCRQNGVALLVHDFDGITKQQ LAAAAAANEINDDDKADPEHPKILRSI
TLNGNCRILDGSSDEERYRAHLAHPDYPQFIVGDDIAVLCIDVTSARICDLNDRV VHW
NVEDAALAAATTAMPSPPLAETARV

>comp2855_c0_seq1; 599 51 1817 LEN=2346; translated
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SRLDDTKQQKQQSSGKSSHLKAVCFVRPTEASV GMLVRELKEPRFSEYHFFFSGILTQ
LLRLLAESDMTERVKQVQEFYGFVPINDDLTLQCRNTLSMSMAAGT SWAPQYAHLYER
NLRGLQGMLLALKRQPLAGIRYAGQSACAEELAKDIFDAISTDEIFHFRKRRRSAGALL
LVLDRDDPVTPLLSQWTYQAMVHELLGLNNHRVVLK GAPNIAKDLEEVV LSSCQDDFR
ENRHKNFGELGENIQKLLQDYQKQTAQHNTSILNTI EDMQAFMEKFP ELRSRSHNVSKHV
AIMGELARLV DVC SLMLDKVQFEQELACADDHTAHWRELMEKLDSPSVKIPDKLRLGLLYA
LRYETSGNINMVQSHLKGVPVPPDMVNLLPVILRYGGSKSRGPGLY GDNPNIMSNTKSF
MTSVQGVQNVYAQHVPVLMDTIQSITKGLRKETHPFVPGSIKTVPGVSPETLVPDEIIV
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>comp2856_c0_seq1; 452 79 987 LEN=1314; translated
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GMDILVCRNYFGSQVSSFEMATPPPPTSGGEDGGMASPYPGV FIRAPAILSAGQEVTVLG
KVVATPCRQA AVVLEELERKIEKGETTVVQMGVVDALERDGSQLRHREVVKASPCETGEEK
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SA

>comp2857_c0_seq1; 205 415 1137 LEN=1302; translated
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HGILASLGGFFVSLGGVYAIYHNKNLYQRPHTSVHGKVGIAVVAMMALPMLAGAVFLHPD
FGIDKTNKLYRKIHKLASRVLMVAWAGNSLYGLYGMRSSEHPMELILYGVPLVVLMPMTLL
>comp2857_c0_seq2; 304 1 675 LEN=840; translated
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STRPKGKWKSPFSWHPFLMTVGMTGSMGIAAVTKKLGGYTNTKLHGILASLGGFFVSLGGV
YAIYHNKNLYQRPHTSVHGKVGIAVVAMMALPMLAGAVFLHPDFGIDKTNKLYRKIHKL
ASRVLMVAWAGNSLYGLYGMRSSEHPMELILYGVPLVVLMPMTLL
>comp2859_c0_seq1; 690 518 2062 LEN=2371; translated
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SMLPLQQQQAPHTGFTQQQQQHVSMQVPLRLMPRPNLDDIENSNRDDVSSVPWGSIRPDP
KYNPAKDPLNPNIDKPFVPPLEITITIVPSRRRKSINRHSSPPPQACVASDRYPSITPT
NQESASTEWLQLQVPLSTGLPGGEVHRI PVLGLANSMSMDVSNNTNPNDRKNSSFETID
DENDETANANDLLEQFSDLATYTAVDARGNQYYLTNETDDDEEYLELRGDLLELQKLQE
LQHPSYDGIQVTRSGDAEAEVKNHGNIAHNAGNTPMEVIAEGASQRRGMVRREFN
RRVWRFKKKASPSDSEELAPGGELAPDVADHAVAAAHEMPSIVADAEADGNPGKQTLV
SKKSMHFYSPSFVTHNYNKSMMTMVSGQENG
>comp2860_c0_seq1; 345 1 769 LEN=812; translated
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NQEQDQEKKEEQERLLMRSTCALDEDDVAHLNAIERQRSDREKIQERTENELKEFRAAR
ALKKQAALSGEDKDDENDESNAEDQAAKIFIMNGNASEALAEKRETNPGQAGCSLPVIKV
RKRKRRTNPLDTQSKQTNIKGEASKLEKGYTSDLNEVNPSSSEKRVEMSSADVKRDESAG
GLGSLLSGYGSSSDED
>comp2861_c0_seq1; 420 210 1229 LEN=1676; translated
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TTATTI IKKEEESHSTYELARRESLGGFTDIPEETWKRHKRFQLTQPNYDDSNQRAFERQ
SRYSNHFVAGHFEPEFTCPHEFRLGKLGDKGKWCDFPHRITQTNKDGKCLIIYSIGSNGNY
QFEKEAFNHVSKTCEIHTFDINKFGQRKDFAAALQELGVNFHHWGLGEKTKVYQNMKTFK
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FKAFQSAGYVMFHKEANYINEGKAIEAAFILLSPDFQKI
>comp2862_c0_seq1; 255 137 904 LEN=1379; translated
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SQESSIPVLSPTYSIALKNKKIKTRVDSFSLEQALYFEPYQEAIEHVDLLKALRGADL
EKLRTLKDEKEKNYDLARNQFGENLVHLACRMALSLDVLKFLVEETKIPVNVDRDRFGR
PLHNACMSALPNFDNIDFLIKTAPKLAVFEDDKNKIPFELIPQRVFERWIRYFSEMNVLK
KLTTTELAKHEGLSNK
>comp2863_c0_seq1; 1036 34 1467 LEN=1616; translated
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STDQSGSYPTGTAVSMFEDGEWYDGVIIKYGSGTYTVEWDEDEGEIEEIAAGSIMDQMVQD
ALGDDDEAPEGFDGGSDDSGSSSGDIAVGTVPVSFEDGEWWDGTVSDYSDNTYTI EWKDG
STNEYDDFDGDDLEELKQAVEDYMADDDEVPEVSGSGPKFPLGTPVSDYEDGEWVEGEVVD
FDDGSYVVEWEDEDELEYYESSNAEDMQALGNMASYSNKDDDAPPDSYFEEEDLWKVGT
VAITEDDNLWYGEISGFNNGEYSIDWENGEREWLDNFDLVNEMVSNAALAPKKGMSAVGK
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>comp2864_c0_seq1; 426 76 906 LEN=1372; translated
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DRIALTPVALMEGHSADTVFGGMDRPCDHEFVASTVFTTPEIGTVGYSEEEAAKYGDI
TVYKTRFRPMAHSFPKSEMF'TMMKI IVDTATDKVVGCHIA TDGAGEMMVGVAIAVKMGAT
KADFDKTIGIHPTSAEELVTMRTPSYHYKDGKKVEE
>comp2864_c0_seq2; 647 125 1711 LEN=2177; translated
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PGAIGEMTGYGWDGATPGIFSWDKFMEAKNEEITRLNNVYSKFVLGNAGVETIEGLGKLN
GKNSVEISLTGGGKTIVSAKNILIAVGGWPFKNIPGIEHTITSNEIFYLEEQPKRMVVV
GGGFIALEFAQIMEGLGTEVTLMYRGMFLRGFDNDIRNHLYEEMERNTSIDIQLNTDP

E I I K N E D G S F T V V T G D G K K V D C D Q V L Y A T G R K G K I E N L N L E S A G V K T E G S F I P V D E Y S R T
N V E G V Y A V G D V T D R I A L T P V A L M E G H S L A D T V F G G M D R P C D H E F V A S T V F T T P E I G T V G Y
S E E E A A A K Y G D I T V Y K T R F R P M A H S F P K S E M F T M M K I I V D T A T D K V V G C H I A T D G A G E M M
Q G V A I A V K M G A T K A D F D K T I G I H P T S A E E L V T M R T P S Y H Y K D G K K V E E
>comp2865_c0_seq1; 354 126 824 LEN=1277; translated
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T I D E G T D S Q K V Y I Q S S A V L R K A A R M G G L E L T L D D A D D A A Y L Q D K L I A D A D D L R T A S Y R A F
K M F G A S D G A V Q K F V K E V L P K H V D N L E R Q F V A A G G D Y F G G S T L S I A D V A L Y D A I V F F G T R
L I D G A E G V D N P C G P A L T K W I E R V E S N E K I A A Y L A G E Q F K A V A M V F D K S A L G F
>comp2866_c0_seq1; 737 1 1874 LEN=2107; translated
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R S W R K D S L R Y V R L N T L R D E G S A D V T G G N V I Q E R A G R E L T K P N G V I D H G K Y F Y T A K V V D V D
P Y V Y A P D D E L L D R T M T T Q Q T E N Q E Q D R G S T R N R L L N V Q A F E T I S T S A P I A S L S T D D D E D R
I P P P I E V V G A K T C T S R A D N H P D F A S W K R D V F G T L P S S S S S F S P N S R R E L I D W K T A Q I S K R
L E K Q L R L Q E Q L L R T V K S D I S N D D S N E S S Y I N V L N K E L K D N N T F E T R N S S Y M L G D E C K E S N
N E N Q N T Q P M S E Q T T I T H S I C K I K K F H P E S T V T N V Y V R Q E K E G K A R R C H Q Q D Q Q Y L T M A V P
P N S P K M K N H T I S S L S L K R T G I P E K K N N S T Q L A A I M M E L A E L K D W V A K D I D N A I A D N V A D S
P T S L P S I A T R L R Q S T P P S S P T S P A P P A S R D K P E L Q I P S L D V P N L V S P P L S P E A D H S T K N E
N N E M I K T E S P L K V E T N M D A M E A T M K S K E K K S V R F A S P E I T D T I Y R P F T P Q E E I N T L F F Q E
D E L L D W E N D E E T T V R D R F E V I V T E I E T S H C S E V E S K Q H N D N R L V T G S F L N I G T P I I S F H N
S Y S S S F Q E S S D D D S S H Y E N N M Y E L
>comp2867_c0_seq1; 750 360 3821 LEN=3821; translated
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A S G T L E S T A T T S P M E T T G G C G S P G G C V L S D S P R S G R P A S G F R A K P F P S T W K R T V T S A C S P
L A K Y K P P T K N P L A W S S P F G R K M E A R F G R I G D P L S P A Y R H S L Y V K E R L K R L R Q R K K E L L S T
L S S S H S C S S R P C T D S N P K E R T E E I A K P V I D L C N E D D D C K E S P K E S L R D A P S S S V K S A Q T
G G T P Q K N A V L T G T A T L K P N T E T N P T E D G I G N P N S R S W R K F P L E R V T V E G P D I G S K T Y C R R
E N Q P I I K Y N N D L G F R I V L S E S K E K V R I I V S H V L S F S H H C R R D L I S R I E I P G V G S C V L V H C
Y A N I N P A D I K N K M R G K R C M V T L E F Q D H G D F Q N M V D I A L E Y C S P G V V S E A E W F H K G L I L A N
L G Y K P S S P T S L R S R L A L K K D E A H G G P L L R R L A T R A S T L T A T W E R V Q K Q S K R P Y E T S K D R T
I A S R I N T T F T F D K T P S D F G Q P D P K K Q R I A T E D V T T G T D I D K H S Q A T D K M S V D S E S K N P S D
P H P E E I A R Y T S A D N L V G D S V S G L L S P Q L S P S P S P S D T R A S K K F E S H P L P D A T S A K G G Y
A S E D N K S I G A K E T A G S Q S H T N G K A T S N K E C S F E W D G T F Q L L Q Q D S S K P E D D S K P T G S D V D
A D V K D V A N E K E A D D V R Q D Q G S S L C D E S S N G E Y Q S S N N S D L D R A P R S S V D H S G I Q T T H K E
D A Q T Q T T V E K E A I E Y H N V A E N E A T S A Q R Y N D N N E E R L P I V R Q V L T L F K G I A S S I A E N V G D
V R S A Q Q E D E A E D K D E E D D K R P V G G D S I P Q E C V L M P P E S N S E S D A D S E D L T V N S N Q D S E Q Q
N H N P L I S I S V G N L L V L A L P L V G L A G I F W R L R L F D V S N S I L E G C F R T F V Q L H I L G W L L S P I
F K W G T R N P L L I A C Y A L F M I L L A S H E A S S R T K Y T Y D D Q F F V I A L S L V V N V G W A L G A F G L V
L K P K P L W D P R Y V L P I V G M L L G N S I N G I S I A L D T V T T S L V E R Q A E I D L Y L S F G A S Q F E A V S
G I V A H A I Q K G S T P A L N M M C V V G I V S I P G M M T G Q I L G G A S P M V A A R Y Q A M I I F L I A L S T L S
T I L V S S Y Q T I T S M F C S H Q I L R P E R L V R N H K R S L A R L I M W L W G S I F G A T D Q I P S G A N M L S H
G T E Y V G Q P S L M N L P
>comp2868_c0_seq1; 347 88 747 LEN=1176; translated
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T G I D Y G M E I G F A L G L L Q A V R E S V L L E G S D L T S S S S S L D R I R K S V D E L E K A I N D F P S S E E D
I R R R L F Q S S D K E K N V H F R D R D C D E E D G K N H N Q Q T Q A E E D V R A Q L Q R I R A R S K V L T A R L G I
P R H S L K N S M S E A A K K M A L S T R Q E E T G H A F D G S G E N T Q E W
>comp2869_c0_seq1; 339 1 891 LEN=1332; translated
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K K E S D T Y S L A E D V Y A F I F V A P V S S Y P F I F S S Y V V L T K I I C Y A I L V E D I S W E S T V R Y S T N S
T A V K F F L V P V A V A M Q E D L I Q C F S S F A N I V Y D P Q I L E T H K S A T K V K Y M L S S L L R L I D G I L S
L V V N F Y V M L T T T E V L S V F L N F A A L Q F L Q S I D D I F Y E L V T L G F F G D E M E H W A T Q C E E V E L R
R R V G P N D K Q I F K R L K M S H L D S L L F G F T L L V C L I T Y A I T M A G V K S Y F K Y S P P E E S F
>comp2870_c0_seq1; 625 192 2203 LEN=2203; translated
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V L A Q E L E E D N D N Y S S R S D F S G T D T S D V D L R A V R L L R P K I T S G R R A L L K K S K R K Y R R R K R D
I A K H G Y R G C F L D D N E D D Q L E R G E A S E G D E F I D K D W N D I D K E E N D A M Q E I F M T R P K H Q R R R
A R R H R T P S G G N A Q S Y K R F Q A A C H A M M R N I Q T S Q T K A A L P A I E V P S K R W T R S E E H V A A A A A
Q T T D F Y R Y R T G L N A R R I K S G R S A A L L L N Y A Y Y Q Q N Q K D H D M D R G A T W L T H L P A K Q S K R G S
S S Y Y F H N L D G L P P L I S S A N D E G E D E Q Y Y D G D G N E S S I T L S M R Q P G P A K F H R L M A Y V Q Q R L

IEKEKKEKEHDENNHOQKILMFEGIQNKSSSPEKSRTREII ESLEPKSENTNRSTRIRQM
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>comp2871_c0_seq1; 460 647 2128 LEN=2265; translated
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YAAKTVSEMLS AVAFVLSRSICHRDLKLENWVLES GKD VWSPLKLI DFGLSTHYRQGERL
TRVVGSSYYVAPEVLKKSYTEACDLWLSLVIVYMLLSGAPPFYKGNDEAIKASIVQGEYT
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>comp2872_c0_seq1; 532 166 1311 LEN=1439; translated
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LKVATNLKMTREEIISKLRLIKDEMLRRWERDEDGWRDLPARAWPEYQPNSEQLGAI
V A EI QKLG CNDK LATR NYASGT NQADDEQAEGAAHCYKLLFDMATGLV FYNVDPEAGFALYE
KLAKQGH T PSMVACGI ILIEGLGVPPQELQGFSWLEKAMASSEDGDGSAQA MYELGT
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>comp2873_c0_seq1; 608 92 2795 LEN=2830; translated
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LIG KDSESISSRQDMEEDGYAEMQRRKQSLLKRIAKFPLRTAKRLVSTNSIEPGTLILVRH
GE SSWNKNKTF TGWSDPDLTDQ GKREMEHAARLLMEGGYHYDINVVFTSRLKRAIRSSW
ILL QEFNRVYLPVFKSWRLNERFYGALTGLNKTQTAERLGEDLVQGWSSLRIRPPALTEN
DP FYPGRDRKYADLTKDQLPLTESLLDCMERTKPLWNDKILFELKQGRNVLVVAHANTIR
GL VKTIDDIGEEEI QNVAIPTGIPIVYKFEMQTNGQLISIPPKSEENSVSQ LHMKGKFL
EKP GLLKEALKLEGNWREQVPGYDATMSRHSRPM TGLERSLYKLN AVRELGEWATDFIDL
DPE EDDGNDGNGIFFTADKNESSTVAGLKENS SNEDI PANDQDAIPTFFAQPCITSAP
TSAVS KRQDSVIVIRHGKTQHNLGLFTGWEDAPLADEGIEEAKLAGQNLKKGFEFDV
VYTSW LSRALETAWLVLDLDSLWLP IVKTWRLNERVYVWKRVL CYVNCTLATIMVLF
PQPTILYTFICFNFTFGHVHVSCPFOQTRMYGELTGLSKQMVKQRHGEKQFKAWRRGF
EVQPPAVSSFSQNYPGNDQR YRYIRDVRYSVKESAIRSIEKGLRLARKLPKTESLKDC
MDRTIPYFLERIAKDAVDQNKRVLISSSENAIRGLLMHLCDIPESEITGLEIPNGLPL
IYDVKSKCVKLLDDGTGRDPLEVYVNFGPSAKYLFRPCQNE DGS LDEECTINFD
SLITTTADQDTLNYIKSKTGR

>comp2873_c0_seq2; 659 92 2647 LEN=2682; translated
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S KDE I TTKVMDENNS E DLEASVIKNGYPMNNNFNGYSMTSGYSPFLDQEPSKWLRLK
LIG KDSESISSRQDMEEDGYAEMQRRKQSLLKRIAKFPLRTAKRLVSTNSIEPGTLILVRH
GE SSWNKNKTF TGWSDPDLTDQ GKREMEHAARLLMEGGYHYDINVVFTSRLKRAIRSSW
ILL QEFNRVYLPVFKSWRLNERFYGALTGLNKTQTAERLGEDLVQGWSSLRIRPPALTEN
DP FYPGRDRKYADLTKDQLPLTESLLDCMERTKPLWNDKILFELKQGRNVLVVAHANTIR
GL VKTIDDIGEEEI QNVAIPTGIPIVYKFEMQTNGQLISIPPKSEENSVSQ LHMKGKFL
EKP GLLKEALKLEGNWREQVPGYDATMSRHSRPM TGLERSLYKLN AVRELGEWATDFIDL
DPE EDDGNDGNGIFFTADKNESSTVAGLKENS SNEDI PANDQDAIPTFFAQPCITSAP
TSAVS KRQDSVIVIRHGKTQHNLGLFTGWEDAPLADEGIEEAKLAGQNLKKGFEFDV
VYTSW LSRALETAWLVLDLDSLWLP IVKTWRLNERMYGELTGLSKQMVKQRHGEKQFK
AWRRGF EVQPPAVSSFSQNYPGNDQR YRYIRDVRYSVKESAIRSIEKGLRLARKLPK
TESLKDCMDRTIPYFLERIAKDAVDQNKRVLISSSENAIRGLLMHLCDIPESEITGLEI
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FD SLITTTADQDTLNYIKSKTGR

>comp2874_c0_seq1; 253 1 851 LEN=1268; translated
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TEKTKLLFICSPGNPTCKAIPLSDVEKIASETEKYPGLIVVDEAYIDFAGEGASAVSLLK
KYNIVVVLQTLKAFGLAGIRCGFCIGPPDVIQLMNNVKAPYVNSLTSEVAINAMNSMD

TLRKNVQSTLDERAKVRAALEALTSIVVSVYPSDSNFLLFRVKDDLKANDVYKRMADTGV
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>comp2874_c0_seq2; 435 517 1659 LEN=2076; translated
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DVEKIASSETEKYPGLIVVDEAYIDFAGEGASAVSLLKKNYNNIVVLQTLKAFGLAGIRCG
FCIGPPDVIQLMNNVKAPYNVNSLTSEVAINAMNSMDTLRKNVQSTLDERAKVRAALEAL
TSIVVSVYPSDSNFLLFRVKDDLKANDVYKRMADTGVVTRFRGNEMHCNQCIQRTVIGTPE
ENQKFLASLQATWKELLEAK
>comp2875_c0_seq1; 400 129 1163 LEN=1361; translated
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KVKGAVSATGTGFLAETSLSLPLGDFLLDLIHGTTNSSEISGLFGLDEFDLEDNEQD
FACGDEEDENTKKLPPHAYNSTKPFTEEEALELGADAAWEVAMVEEDSVICIAITLCHAFG
MGSAVCSALKEGATIVLPAVGGIRGCGVPSQRAEATLQVLESEQCTLLFADHTLTKAFPD
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>comp2876_c0_seq1; 325 161 931 LEN=1187; translated
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ARFLSYVPMDAADEQLRIPISELEKEISKEEFLLNGISLKPYPDQAQAKNVCNREGTSSGS
LKMIGTLAQILCEGTTMDGNLYERVINRVAKTSAEPEVYHINAMMGNTTSLVKQLSPE
QISKEEEANVTDLKLYETGGQIQMVLETTHSYGLFREKDAIINRPWIIVHCKVHERANLS
NNEFRSMNIKTPSLY
>comp2877_c0_seq1; 919 81 2030 LEN=2640; translated
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EMMARKAEELRKKEEEDRRNHEFEAAQRRKQQRDALEKERAFLAEQRAQRQKQIEERK
EIEKRNAAINKKKEIEQSAMAKLKAMQARVPLAETKEEQSVAVSETNVEKPSNTKAKPNR
LKNWFGGKDKSSKKKNEEKSKLSAPSGAKDSDEMVSSTKPTVTDNRNVATAEDRSVTTQE
YPPTEAIQLQQPEQETSSSSTAHTGRKKGAKPVEVSTGGPTISRRSNKSQSVDSSTILN
PLRSMKIKPRKNTDSKNTKNKNDNEQEESANSNEVCSKHKVHHSSEKPIGSTLPSSS
SPECNEGVTSTSDVSSTAVTMI PSHLTPLSRKEQATIHKLQRAITVQEDRLEEIEGKQIP
QLLERAKVLLKEKNQEQALKCLVHKKRLERQVDAIKAAVFNMETQMFMLESAFEDRHVKK
ALDEAASAIAGYQQIIIGDPKAAMVDLTNMSESLPELDVGESTDEELMEELTEWLTPEEKK
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>comp2878_c0_seq1; 901 156 3116 LEN=3404; translated
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VENLGMLSIDRADDALPSPIWGNHLKGLPLPTNSWYLNLVSHRAAFRPDDSTRVYTPY
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KDGALSPLVGLEWAGSDTNSNIMSTNIVRGMPYATMVYSDSSNMVPTIYSYNGLASD
VQIDRTSTFDPVTSKFPKLVCGIEGTSKKGISATVHSHLHLMINSDFTWIVFFNKPKV
SCVTNNEQDPKVRDFKMTFLDNEDDTEAGDTLVVRIALLNQCTTGHASIKEHCKERNAL
ADKDGYEELLLKNNHLVLPQSPTIDFEYASKSKNDDVAKINIDWDVTNTKNASNDADLL
MFALPHHQDSLSSADREVKNQC VHSFHGKTCLVSSSNWTLEEDLGSPLSFDAPRPPSAEF
IPTIAKYLKEDIKFEIPKNTMRGASDTYFSGKILGRLARIVAIASELRSLASASSVEDIQ
GRYDMKLDSSIDMLQESMKAASANLPSSEKFKDALDQLKSAVQAWLKSADAPYIYDKS
WGLVNCGCSYVGKMDRGCNNTFPECPALLSVNEDFGNGYNDHHYHYGYHVYAAAVAA
KFDPAWGRKHFEVVMYIRDVANPKGDDEFFPQYRQKDWFLGSSWASGII SAENSPHGRN
EESSEAI SAYEGVTLYGSAMVDAFEVKTGDEEITTKLETAKLIRDSGQLLTASEIS
ATNRYWHVWSSDTHNTYPAEYTKPVVGMLYDTMAMFQTFWAPWAVVSYGIQLIPLTPVA
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>comp2878_c0_seq2; 873 156 3247 LEN=3535; translated
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VENLGMLSIDRADDALPSPIWGNHLKGLPLPTNSWYLNLVSHRAAFRPDDSTRVYTPY
IIDTASPYPGMEGLRVHWPVVQASDGNVQMVNDFKNALCIGSDGFSSDGDGIDGTYRV
KDGALSPLVGLEWAGSDTNSNIMSTNIVRGMPYATMVYSDSSNMVPTIYSYNGLASD
VQIDRTSTFDPVTSKFPKLVCGIEGTSKKGISATVHSHLHLMINSDFTWIVFFNKPKV

SCVTNNEQDPKVRDFKMTFLDNEDDTEAGDTDLVVRIALLNQCTTGHASIKEHCKERNAL
ADKDGYELELLKNNNAHLVPSPTIDFEYASKSKNDDDDVAKINIDWDVTNTKNASNDADLL
MFALPHHQDSLSSADREVKNQCVHSHGKTCLVSSSNWTLEEDLGSPLSFDAPRPPSAEF
IPTIAKYLKEDIKFEIPKNTMRGASDTYFSGKILGRLARIVAIASELRSASASSVEDIQ
GRYDMKLDSSIDMLQESMKAASANLPSKFEFKDALDQLKSAVQAWLKSADADAPYIYDKS
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DRLGSTLPADLVPSRFLLFNNLGYNDHHYHYGYHVYAAVAAKFDPAWGRKHFEEVML
YIRDFANPKGDDEFFPQYRQKDWFLGSSWASGIIISAENSPHGRNEESSSEAISAYEGVTL
YGSAMVDAFEEVKTGDDDEEITTKLETAKLIRDSGQLLTASEISATNRYWHVWSSDTHNN
TYPAEYTKPVVGMLYDTMAMFQTFWAPWAVVSYGIQLIPLTPVAETRDDPDWAAELYPLY
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WYIATRKKIV

>comp2879_c0_seq1; 278 163 736 LEN=1181; translated
MIRGVGIQVPEKNILASLAFGLAIASLRQYFYDFNFFPRDNGCQASTMNGGSREEETDDG
TPEGGAADVNIIDGNVANDLVEDNKKNICFPWEPHYSPKCRDTENLNPRKFPLKKWHEV
SALHKIDYSAHEDDHGTISTETCKTELDFLSSMTFAMEDCDLPLVLAVFDAQRTAYLSF
TNFFANIGQW

>comp2880_c0_seq1; 599 120 1190 LEN=1267; translated
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GDENDDDEVLQEEEDDEEQNDTVPTSRASCYKKTAVGLVLLGLIIFVIADSLTNQHIKTGL
LAFLEWIEDHLVVGVLVFLVYFLATVFFIPGSILTLGAGFVFSAMDSLWIGVLLGTAA
VFGASLGAIVAFLLGRYLFREAVAVKLTQKYKIFEADRALEQNGLKIMVLLRLSPIFP
FNALNYSMGITAIRFWDYVLAACLGMPLGTIVYVFLGASAGSLAELGGDEDETEEDDDNKT
VTIVVIVVGVVFGFLAVGLTSYAKQELNKVLEEEAEQNDESNNGVDENAEIIIISV

>comp2882_c0_seq1; 443 209 1051 LEN=2356; translated
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FGGPEITEDSQLHFGYLSAVSHEDKTLMNSISAMNMEMDMSEEDRRFLAPLLVENTST
SMDYDAGYIVTDDEVLHQPCASSPSAIVDQQRQYQEIIMKKLEASMNRSQETRKSLTMKTPK
TEKYNRRRSITGVLSSIESSSRQLQNFLQTVKQRKQRTPV

>comp2883_c0_seq1; 820 218 3175 LEN=3345; translated
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QPSSGMGGNNYHMAPQYRHAPSHHHP SHGQPNHFYNGDQMMGAVRGQGRPHDPDHAMQN
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FPQVPHTKGGTITQGMGQQVGSRGPSPTHPPQYLSQGRKSVSPPPGVAVAIQSQPLR
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PLRPPSQQEMADISSQDQYRHRGGPPDMHQYQNPYQNPQPTDHIHYGGQPPMHNGGH
PNSMQSDMQNYNYHHTSHGPPSTSGPPLAHNHYRGYPDNGMPTGYPHGPGGHEMYPHP
SNQHYHQHQHQPHSYGKPLPPPPAPQRI PGHGFQLPKYNSNLTTSDPATSDNKNESRKS
STNRSPSPPPSPPPAPSAQALLRARLRQQEGAKTTDEMSTSSPTTGDMINSSTNENPSR
RNSSGSHSSMVGKPTALGDRGNVAVTSRGSTLGKKQTNQPVSKPAKQEDVTADAASILLQ
LQGSMMNRSTGGTENQNPCSHPSPIIPSSVQHSSSMDDVSDAGTMLTMQTDVPLDTS
GSPSSDI DTEMSGVSASRPMDTPTKSNLTTKVTTKQEPDTDFPCVPDRYPTRLALPY
DNAKLNNLH CFLRSELLEIFVVS KSNKSPCHSPSSSVGRVGLRCVHCAMNRMSCADAP
MSVFPKSI AEIYRLVTSWQRCHLRKCKKIPPGARAEWQKLRDTRKSRGKTHYVVTSA
KQLGLMDCQSRA GGIRFKPDFDPSTLPPNTPLTPSAKEAKEAAERAAAIAAKAQKIVSL
ATAVTTTSTIAAAS AKLEESTVMTDAPSTEVLASAAVHT

>comp2884_c0_seq1; 591 1 1244 LEN=1818; translated
XTTDKSGFSEETTDKSKDTLDYSESDDDSKSDNEDSTSPSTSNRSNVITMADLSSTS
VMGLQHWAWNMGGKNCDSDEKVNLAVSTLKEVDDKASSIGTKDNHDAWIMNEDQLDSFA
EDD DKEDENTNEGKEQRDVEGDTHDLINIE TNSPKSNLESETDVTKDNTSPPQAQDN
RIASPK REHFLAAQKALS KSKFRKSLSSIKKKKPHSSADIASNVLVNATVTMDET
PDPIETVLMNS AVEDRNPSSNTNRI PKRFGANRANKRNSLANSGVAFSKARKFWREKT
QEKTRKPTGIGRN DTVRTRDVETVHKSSDDSHSKDLVTIENNTIAETIISSHYDPV
ISPSRENSFLDDIRDI AMHGLLGAEYDDYDADSLGTTNTSFSWVRDDDETVESLRDDG
SLHNQSHQVIRE

>comp2885_c0_seq1; 245 420 944 LEN=1236; translated
MFFQHKTAAFLLLSSSPFADAQCYESSVCLDVMGKPGECTSSEGRTPICCPDDATQ
TWNPTDVCTMGGDPTPTDAGEAAPTGAEAEPEKLCYEIGTAICWELGVKMSSCVTGD
GREFN ACCPKDVTESSTWNSTCIYGDGGHEKSAAHARSLETVVVALGLAVATTAVAFAGF

>comp2886_c0_seq1; 464 329 2263 LEN=3258; translated
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KRFVRAISHASQIVEKRNARLLSPSATKTHRFLQSENHSVSESTTTTNNKLDILRARTK
LLRKQGSQKISESRASLRKNRTVQVGLSPHLPCPMNQPEALLGNTPRPAKTNSASIMRGK
ILGASKNMDLPVLLRRSNSVIDQLTLEMETAGDI INQTYVSENSDSRMILDTSSIYDTHV
LVPPSPIMQTSHDQDIEDDTSSIHNISVDDYWDQSTISASARDASSISEQLSPTRSNLEE
PPPSQSVNCSGLPPPEVVVKITPTPTSAKLSRSRELAESRHRMSPPSISPIKGCASMYN
TDQKCEKLSFENDCLRRQLELLESRHRDFQKLDKQMLSPEKVP GALRTPGSPSTATSTS
SGASSPNSYKYHKRKRRRSDRRRLALVLFAPFLISTSLFFYRAVRNVSDARRRNRDNA
LRNSGLGSI PPFADTNSRGPQATLSKPALSGLASLMREGVLRQTS LGPILFRDKSNGRIQ
RDNINFSGDWIGERHETFS AEGQNESFDYADSLPVMALPKYRRIEGSVGGDNP DSTQSGR
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>comp2887_c0_seq1; 487 172 1446 LEN=1775; translated
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IPSWLDGDSIGRISPMGYGDDTAQITPKEFVEKMLEAA SENVS VVLGTCTGV DVCESSDE
DDEQSVTGVRYQPRGSEDGTEKVL PADAVVVSAGPWSCQAEDWFE GSGVQLPMEGVKSTS
IVWKQPEGTSEVDATALFCGEDYRFNTHLEVYPRPDGTIYICGIGGSDYITTQELKQGAY
REVIEANDSRVKAASDSFRELSSLYREK GELDRTQACMRPCPPDALPYMGAIPSYTNAFV
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GEQW

>comp2888_c0_seq1; 493 1 1518 LEN=1559; translated
XLASVGD CRRLMRAADDAFGRLDVLVNAAGTTDRGSLWDTTPEDYDRIMAVNARAPFFLM
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ALAI GWMDTPGEEAAQKGMCPNGHKGGGQGWRETAGRGLPFGRLLRPEEVARCI AF CAS
DESGMMTGCVIDFDQSVWGAGNPPVPPRKEEWD RASGMTFSFEGRDRFVVPVAAEQKAVK
KAAEKA AVAVAVAAEKSPAPPTPAPAPAPAPASKPAGRRAGSKSPGRLRWPPPPPVAKD
VEPESYRRASEVF AAAATPATQD SNSNSKSENYGYDNNGVDTSSQASIKEPTAASETAS
DASTGASPTPTPTPPPPEEDAEDAADDAADAAKEAYFSMRTQRMGDVYRPDEYLPGETEP
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VHRHECDTNQRRRFHHTSAMYSTSKQ

>comp2889_c0_seq1; 702 1 2901 LEN=2996; translated
VASCRICSI TTEPKVAGLDWSTIHEIGRHTTMRWSFISPQANGEGGEEAAADRDEANDGK
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ACFLKDYERGHPTLSSDFSGITRRQ LLLYRVKHSFHWNI FGLWLATALLFVPSFRARAA
TLFLHAYAILAFSADLYMVDQFR CEDTERESNRWPLGAADRPGRLLFGCMEGFLFLMGLQ
TIANAI VPNNTVVHAFTLAVSVLKPLVFFYQSRRARDALEALIRISKLLRVIL IEMFLI
LTFAAVACRLYYNYDSFQTL PQA WLSL FALSTTVVNPSIWMPAYNESPWNAVFFVIFIV
SIFYLHSLVLSVVFQVFIQSATEVHRQSATDKENSLKLAFLALTSARGNASKTLGDKNFS
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NKHNIDFTEFRSRI LQALNSSVRTRTRHSTEGMAVELLSITVSI VNFVLMIFASRM RPR
EESTDSEFIIGSVITLLTLCEVSLRYNPWQFSNRINPITRLNAVLDGMGCLGGIVSFCGI
VVFLCGNEIGLEYLLVGRAIGMIQSMRFSIWFREVLQRSLYVLPFLAGPILLILTAMHVF
VICIGMALWEGAVDTEEQASNENVEYLYLNNFN SYAEGCITVFNVLVNDWHQIANVFLY
GNRCSSPFVYLYFVMLVIVAVCILLNVIVAFFVETFTVQLNLVDVESDSVNSDVKVRID
ESTPAMQP TDMSTHIAPIAKSWIFDSSDLKKT SVRSLSCPNTGVKTDYDVIRREGFDDIM
QSVGNDEDKQFEDFARDLLGALELVRALTPDRNIGHLLCCHQKGIQFQSSGFSLLT KDYI
PGNKGIESIVAETKDALLNANSSGRVGRYIPNPNNDSKVLQIDGALLPQNNEVLM LTAI
EKKLEN

>comp2889_c0_seq2; 576 1 2664 LEN=3112; translated
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ACFLKDYERGHPTLSSDFSGITRRQ LLLYRVKHSFHWNI FGLWLATALLFVPSFRARAA
TLFLHAYAILAFSADLYMVDQFR CEDTERESNRWPLGAADRPGRLLFGCMEGFLFLMGLQ
TIANAI VPNNTVVHAFTLAVSVLKPLVFFYQSRRARDALEALIRISKLLRVIL IEMFLI
LTFAAVACRLYYNYDSFQTL PQA WLSL FALSTTVVNPSIWMPAYNESPWNAVFFVIFIV
SIFYLHSLVLSVVFQVFIQSATEVHRQSATDKENSLKLAFLALTSARGNASKTLGDKNFS
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NKHNIDFTEFRSRI LQALNSSVRTRTRHSTEGMAVELLSITVSI VNFVLMIFASRM RPR
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VVFLCGNEIGLEYLLVGRAIGMIQSMRFSIWFREVLQRSLYVLPFLAGPILLILTAMHVF
VCIGMALWEGAVDTEEQASNENVEYLYLNNFNNSYAEGCITVFNVLVVNDWHQIANVFLY
GNRCSSPFVVYLYFVMLVIVAVCILLNVIVAFFVETFTVQLNLVDVESDSVNSDVKVRID
ESTPAMQPTDMSTHIAPIAKSWIFDSSDLKKTSVRSLSCPNTGVKTDYDVIRREGFDDIM
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>comp2890_c0_seq1; 229 1 490 LEN=490; translated
SHTTPETPPENKSKTKSLVVSSASVATILSRNQDNKNNDNDNNNNNRNLILDAFYQQQQQ
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>comp2891_c0_seq1; 524 289 1500 LEN=1562; translated
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VPDLEALLDRLRDARKDAEGNNDYGFRETLDYEEHDEDDDKIVHVRCPWGNVFRFC
YSVKSRGTPPTPFAKPEESPQKMTNLHAPQLGIHGADKMGVLGVGLPGIRFVELILPKGV
SSHQLYGFYKRMRLRCPAQLVLTSCDGGKRDCCVSVGAGVHLVFEVGSIGSENEEEAIAQ
RLMKGVHICIAHADFYGLYKRLSDKSLIWSNPRFFHLDTCDTWEEAKNSRTLRFRIHVDV
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>comp2892_c0_seq1; 205 197 943 LEN=1203; translated
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TPLGIGSFIGALLMFANLTLCSVLFGEFQVRDNREGEDRAGGAGNQIDGQRETRSMAFS
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GVGRTTLA
>comp2893_c0_seq1; 485 1 1714 LEN=2055; translated
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VSKLFSNQDFYEMQSGEKNFNGYHKAVEDFVKTKLGC DKVICFHSQVRNAQRTSSDGVG
YAGGSPHTDSSPVSADQLALQMLQANNDTGTQRYCYLNLWKNISDTPIONDHLAMMDER
TAVKPDDYITKDLFGDGYSVVQYGLNARHAHLHKWYHFPHMTSKEAILFKQMSDPTKTG
RICFHMSVHDISADKDNAQQQSPRESIETRMCFWKDVAASNGSSNGNAGSSMPTPTNI
HEDMIKDPEVFATELAAGGATLEGATVWRLLALFKKIPLLGSLLFSSDISSSRPSKYSG
NPEDYLPFFVEAMKYYSWPAFGKTYVENQFKNSADYDAGVKQLTRLLVNDAYGNLKTRS
LRPLEKDAVVLCLLSYEPYLAEVKKCFGDXXNVTDEKEYSRSHWRILSSRVIRGEKIFPSAM
QNMDRSSIIYKPNGSTVVGVFRKMLSPQKNE
>comp2894_c0_seq1; 458 275 1585 LEN=2074; translated
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ILCPRHVEYIGKLDGDLVQPPGGKAVMPPLPLRPNMTIRCGDQGLRENVCVWKGDDLH
LDGTKILGITDSDLENVRIEGLVFIGAGEYSFWGNKPGSVTFQDCEFREFTNSSAPIMLD
FYDASAPSAELVTTFLDCEFRNRYFGRGSQSALIYGNQNRINVTSSLFENNDMIWNN
TRPDTHSYIVESLGPVGVSTTCFSDNLVGSNNVVVFGNSFQNEFNRYVRNSSGGLCPFFSV
FENMQQFEDFDPTCVAASQSVCSRVTLSPTPAPSPSPTVSPAPTASSSGSPTRTPQPTI
TPVPTGEP SARPSGRPSPYGATNEP SMAPTEP LLEFFWPTIMEEDPFASSATRVGAGATN
LAMLWAWSTALVCWSL
>comp2895_c0_seq1; 585 633 2174 LEN=2679; translated
MSSSTSASDTSVDTETITKSNIDDIVESLYNNQDELIGYSCKQIMEKNTVEEMDLVIFYMD
VLSPKDDESGNSDNTNYQLAAIDATQSVVLEEVALEYQIDPDISRGVRCFDLPVDGSTWL
QMSIEKKDFVEVTIFGGCRKLEWDDATQDCNFYEARLKGSYIGAVPVADDGTEFSDVVG
LKSLLNGPTIVDNLNNNGDGGNGLDNI FGQNAASDAYKMAFLGVPRAE TNPNFQAE EGRN
DLKPPVNIKTGIDASQSTAQPNRNTITVVGGMVLVACFSIAFLMVAYILVKRRQSYRNERN
EDEEERSAEISMAMASGASAGNFHLDTVDRIDRND EYNHADDG YGYDRNDYDDDNDGD
DDDDIREDQAGGGREMDPE SFRDDDAGPEMQQNH LQHE SLRSAQR PQEYGDHPMSAEAI
QMDLGNLTKGQMI GLHGNTSKKVLPMCGPSTRGGNGGNQHKVQRLGNRNAGSFFHQLSDD
GDHDSFDDSDSWAQT DGTIGSLELQLEPITAEV
>comp2896_c0_seq1; 570 1 1485 LEN=2010; translated
EQPESPLAPILANPVL PARRSVLRIAPTPLRNSMTAMLLSPPCSHELKTTSDACGTENDG
SRRHALGIEIERTNNEFAEERCREILSHYEEESH RPEHEDARWL VGQLDREEQEIAARCS
YAYWYLSRRSLEEPSAQAVKDPARFASAMQEARRHLDCADHRSEVLKVFRETLD FHRSHK
TALYRTC MVDAPGADKGLSDSEKELSKRRERIGDEM KDLQTNVVRGHDRDRAIFFAFP
RRKAGTSEDAFVDSL VYTVERRAASSEFQSIGRQDQIVVVLDTKGSSCPPFKTLQAAVGI
LQNFYPGRLKTCVILNPHYVVTGIFRMIKPFMHPLTF SKFVLVKAKRQSGIAEEDSVLSR

LIDESQAMPEMMPGRGKGLASKVDVDRFLYKVPFYRLYDCTDPEHDPKLLDRETHSTTSTT
LSLSSSSSSLSLSSDAADEDEHECDEATEPLANLERGTTKAKPTRVALRSLAVGQLSVRA
SPGSPMVVDLRIVG
>comp2897_c0_seq1; 209 262 603 LEN=1014; translated
MTTFQVASRRFFLPALRRSSVTLNTGRRTMMAFEDHARLRGKFEEDRYLKQQEEQWRQNL
QALRAQEESKREKRHQEEVVEPVKKHLEEILAASGDKISDEGLENLAKFRLSL
>comp2899_c0_seq1; 343 1 1073 LEN=1668; translated
XEERQRKEQQRKEVEERQRKKHQKVAEELQRKEKERKEAEERQRKEKERKKTEELQRKE
NERKKTEGLQREENEKKISAELSRKENEQKKTEESQREENEKKAAAKLQRKKNERDKTEE
LQGTEKMSVMNEITKDVSEKSPATTSPKLQSIKIRKIVAMDKTVSDAQAMLAQGMIRVSSV
ENNVPSPIMNSDVQNSTKTNGKASSDITISAVRKGCLSAKTVPVSNKVQNAVVEGSYADA
TRTNASTNPVSSEPAEKISDIDRDDPKLTKGTVMMSDSSSNDPRLPENRASGSSESEFYI
PKGMGSKIMGRTTSTLNPNSILAGVSKGLQSLVTGRLAQGSSSDEKTLSSASEKIS
>comp2900_c0_seq1; 278 348 1115 LEN=1496; translated
MESQRGRNFTIPQPIAEEDQQQQSEKTSVRKNLEKASFMDSVKFFFEPCVGAVIDAASFYI
GECRPSDYEACDPNQDQKVAEDVIMKLRENGGLKRRNETLEIPTNGMLFEDDDVSAISS
HTLEEMERLRLAQNSGITNFQIAPGKHQPGNILHPRPTDDPTSPQDAADRSDAVKFRNWS
TQKTPSTAKPQERGTNEGNIITLCVSVSDSSSNEDGEKASPKASSPKFESPKTFTTSPPSWS
KKSNGKRAFKTHPVG
>comp2901_c0_seq1; 766 150 2756 LEN=2817; translated
MSKPNDETYSNNHGAPAEALPALGQHQQPPSSSSGMRRGAAPGSGGVLVSKAGGSSNNSNQ
SIMPTASNVSIGTSTSQHQHLSVERSPPMILRSLGDRSNEKRKNAALEIEALVKTQ
EANNLSMIQNVIEILSKDFCTSMNSNYRKGLVGLAATGIGLMGHSRTFLPVLLPPVLHC
FDDPESRVRYACESLYNIAKVSQRQILQYFNQIFEGLTQVIADVDVDVKNQAQLLDRLI
KDIVTEADEAFQVDQFLPLLQKYIQRTPYIRQLIVGWVTLTLDSPDISMLDYLPDFLDG
LFNMLSDSNREIRQAADSALSEFLKELTSSTVMEFGPIISILVLQCQSKERLNRLTATTW
LSELIHHPYSGGDALLPYNSEILGAILCCISDGEVEIRIVAERTNDDLLSLVKGTSPPFE
LRSLLETTLSELLNKEDVPTKMAALGWINMLMEKRKGMNAFIEELLPVLIIRTLSDPSDA
VVLLNLQVLSRISLAQRDEKGDAAEESAEEQFELVLNAILSLFAKDRQLLETRGSLIRKL
CVLLNAKSVYIRLANALMQYEVNEKIADAGTLEFVSTMVQTLNLIILLTASELHDLRSIL
SKSFTIPPENDSKKNNPEHDQRKRQKQKQKQWSRQKKNFIEDSLKVVFVILFRCWSHNPV
ATFSLCCLAQAYDLSFALVKRFKSKMEDVSVGFLMQIDKLVYLLESPIFVHLRLKLLDVES
ESHAQLLKSIIYGILLCLPQGDFAFRLLNRLTTVCNLRDNLGLTPMPDAPKQDDLSLPSTS
TVFVGCFLSLDALLIRYDEILEMHRVAQEYQYDNFVYDEQQRLQMQLAPGSQQIGLSGSS
QGGRSHQAVLAHGPLSPQYQQHERRLWD
>comp2903_c0_seq1; 434 192 2000 LEN=2692; translated
MFVTKKFALFIVSAAFLASSVSAGGVRGVPTEDSAPANHGWRGRELKDKQNKPNKNQNNPA
VVTRPALPPPPTSPVPNPIDVLVKGCSNPTLTSCVLRSGANERVCFCTCLYSISRLSSAG
DSAVVNCGRSQCGGCVNEARDTFGCATGGSAPAPVTTTPGVPAPVSVSSPVPAPVPAPVLE
EIEETFDFTTQGPCALKPVGGAVCSVPAPFQFQOCDYPTGSGVGVRCMAYGQFICNPAPI
SPTPAPVPAPTAPTPTPPVAAPPVCSPTLPNSGDTCTSTGGAPFATCCYTGISNKPANY
AHICNCLSGENRYICNGGVSSQCTSVINNVASSPVPAPVPAPVATMPTPSLVNAPAPTGS
SSSIPEFCLALPGVPKDGESGAGVLPAGMASGGCGGEIIEETDNMNVTTVTNAACTCTATD
PAPAWSCVKISAVAPSSGCPPQASPPNTGDSATVLPADSFLLTSVECKYSKTVTDSSQL
STTTEKFCTCEKATQIFCTDATSQLIIPVSIIEAPADPAPADPAPADPAPADPAPADPAA
PAASPTIVQDGCPTITSGTPCKAFIPAGANEQSCMTSLTTQCDCPGQESADPVWTCRT
VP
>comp2904_c0_seq1; 527 207 1775 LEN=1841; translated
MIDQTDVVKKFASLIGTKQSSTESQVSSSLLRAEPKASNSREMLMCISKSVTIDEVVCTL
PSLDMRKLDEEPDSNPLPEVGEHFPMRMEASVLNNAADASAKAAQVEQKAAQTLGSLTAW
TRSSVIYASKQISENAAESFSSSLVSRVRAWTLTLLLRHSLTTGDDASRSRLLSMLASTIK
VNSAETSFKPQPLPPNLANMAKNENDPDVILPLIFEIDLKISVRNNDCTVTLRAPGTISA
DFDRLENKMGMLKRVQVQLNTGTLLESVMNEARLVVFNAVEAAAKSNSATKNEHNRV
NPSSQLSSGSSFKLSAPSTKSSGGLPPPSPQGGKHQPSHRALKAQSSSLRGLSVLSSS
TSTFQKTRSVQFNSSDLKPKSNMIPTPKRQKLATAARLTSIKSFRPHGGDFGAEGGPKN
ATFQDFGGGSRFWGRDGLASKPKPMLPSETTDMMTSQTRRNANASFDIQKPPIHLSG
SDVRMGLGGKKKPPAENQVPPSIPRTATALEAMYIKKFGGKF
>comp2905_c0_seq1; 226 79 591 LEN=807; translated
MGTTSTKLATSAPKKGMKSFYLSAVTGDGSIQKMEEFRGKVYATNVASNEVRPAXEYA
QFESLNERWGKKLIIFGFPSREYGWQEFDNDEEINEFAKSKNFPGIMMKLGKIKGDTAPE

VWRFFKDETGAGDPMWNFKGKFLVSKNGEVSVPDLEADIERLINEDSKE
>comp2906_c0_seq1; 423 226 969 LEN=1119; translated
MSKSVLTISSASTILVGDPIVGYSLTPKEAEIAYDSYAANYDELDDGGKAADIFGLDEARS
ALFRQARGSVLEIGVGTGLNLEKYDPSKLESLLVDSIRGMLGEAQKRFEAIPALQRPVP
RFIQADATSGLTVRFVGDGSDTVDVDFSFVCMVMSKGAQSCLEQVKNVVKSKENNGQILLL
ENTRSSNPLLGLYQDATAEAAAASAGGKGLYNQDVSKMIQATNGIEIMKETSFAGGVFRS
YFCQVVT
>comp2906_c0_seq2; 423 226 969 LEN=1087; translated
MSKSVLTISSASTILVGDPIVGYSLTPKEAEIAYDSYAANYDELDDGGKAADIFGLDEARS
ALFRQARGSVLEIGVGTGLNLEKYDPSKLESLLVDSIRGMLGEAQKRFEAIPALQRPVP
RFIQADATSGLTVRFVGDGSDTVDVDFSFVCMVMSKGAQSCLEQVKNVVKSKENNGQILLL
ENTRSSNPLLGLYQDATAEAAAASAGGKGLYNQDVSKMIQATNGIEIMKETSFAGGVFRS
YFCQVVT
>comp2907_c0_seq1; 1257 61 2343 LEN=2388; translated
MAFSSFFKAAFLAVIVPNEAFAPASLVGKTSLSMSSQAQDVKKEASSAAQREVDLDDL
YRNIGIMAHIDAGKTTTTTERILYYTGKSYKIGEVHEGGATMDWMEQEGERGITITSAATT
CQWKDYRINIIDTPGHVDFTLLEVERSLRVLDGAVAVFDGAVGVEPQTETVWRQADKYKVP
RMCFLNKMDRGTANFYFCVDTIVDLLGATPAVLQLPIGSEGDFLGVIDLVTKEAIVWRGE
DLGASFVDIPLAECDDIPLVDELKAKAEYHEKLVELAVEQDEDVLMEYLEGEMPSVDT
LKRLRLKGTNLNLDLVPVLTGTAFKNKGVQPLLDVAVDYMPSPLDVLAIAAGVTEDGEETER
KSSDAEPMSALAFKVANPFPVGTTLTFTRVYSGVMEAGTSVYNSVKGKNERIGRMLQMHAN
DRTEIKSAVAGDI IALVGLKDTTGTETLCKDKNVILEKMEFPEPVIKVAVEPKTKGDQQ
KMSEALIRLAAEDPSFRFARDEETGQTIIEGMGELHLEIIVDRMKREFNVECTVGAPQVS
YREAITTTAEVDYTHKKQSGSGQYARIKLVFEPKEFSEEEGAMDFEFVSDIKGGAVPKE
YVPGVQKGIESVLGTGVVAGFPVLGMKATLIDGAYHDVDSVMAFEIAGRAATREGLRKA
KARLMEPLMQVDVSTPEEYMGDVLGDINSRRGMVGEELGERGNVKTISAQVPLANMFQYVS
TLRSMKGRANYSMKLANDYFVPPNIEEDLKKGFTGVEEEE
>comp2908_c0_seq1; 224 158 919 LEN=1072; translated
MTTSRSHFFAPTKFFVLSVLVLAFLADASTLAKTYVSKQPGTQPRGTEYVSSFCSD
ETNDEPEEPVAVFAKRRHTSPLKAAQWYLKSCETETPFRAKGLTSATIAALGDVIAQLIE
KKATAKALNAARVATFFFVNMLFTGPF IHLWYTFNLTVGKKMDERFYNVSALKKTVTQVF
LDQTLGTAVFFPLYIYVYGAFESVIQMHRLPNLSHATEKCRNHLWGIIMTQFRVFPPLSNM
INFGLVPFELRVLW
>comp2909_c0_seq1; 190 121 1074 LEN=1875; translated
MPQQHYIFGYGLICAKSRAATASALGVVGEVEADEAGDRNKHNTGGIPVRLNWNMRLWN
LQGPNTYLVGQKSNNTNTNSSSPRVSCVGVLVPLPSSKQNETGGSKNDEDEVLEALDRRER
GYRHSVDLSSIERVDDLLLTNIAESERCDQAIEDRYKHTFLRRKNDTSTNGNDNTIRS
PTQNDVVKVWIYVPQDCYSGMACPQKPILOSYVDICLRGCLSISESFAREFIASYGW
YPGHGHLTGHVGEKCFESKRSVDESNAVVSICKHCWINDRERPIYVRADRNF SIGN
SELLDALFDPQLLERRR
>comp2910_c0_seq1; 295 63 779 LEN=802; translated
MGRRRKRLQSEDYDDSLERSFSAKRKSPENDDSGKGGASKQDVGASPAKSGETQNHNDNN
SKKNDKDNIERLREKKRLKKQRQKEKLLAAQKEQEKLIKILQEKQNKEREKRKQKQKLLKE
LEKKVSSDTNTFIKTSMGVRYMDVVVGTGPLLVDRKKIVCQYVLRANKYKGVLDSEGERF
SFKFGKGEVIPGWEI GLKGMKQGGKRHIIVPPNAGYGFKDIGGGKAMLYFEVTLKEC
>comp2911_c0_seq1; 492 196 1671 LEN=2038; minus strand; translated
MMFIVIIFGFGIKFLEEYCSILPPPTRLDDKEGKKARRPAVYLLKIPFGLFTSCLLLPNL
VAVYIPNYIRAANTMLMSNANFEGEDLRVILPPDEF SRVCYREEMGFLIQCTLTAAEILA
FHFDLPNVVWAHHIVAMSLALGRLYAWCYPITLMSDWLWLAVVVHLLTIYSLNFVRSYF
LRHFLLTREDNLSGIPTMKHLFHCTNVGSKWIIIVSAYAFSSVAVLSDGGKTEQALLCLAF
VAPLFYGSFQEMRRWRSSSISDGFPTRMFVQVTVVEIMVGLFLGPILLFLDFLFPHAMKKF
SKKTSHKNTAGGVVALRALCNASSDRLHIDDPYAIRFVQRGVLHIVVKSAVLRYLMTLK
LEVQHPGALGHLITRKTIDEIILDLSRKNKPVRQLVILGAGYDTRAYRLKSLKDVLLV
EVDQPFMSSEKQEKCADLKPLCKELVHLSTDFNKESVADVMNGCDKFDPKKPTLFLWEGV
QVYLSDDSVDK
>comp2912_c0_seq1; 645 94 2616 LEN=3240; translated
MEWPSLEFQSDLLNCIENDEILSHSSQVLSDRFLSDLASSIVTKEIYARAASAALASDTS
RIVARKSNTGENELSEKMVVAFLDKLRTSASDSDEWHAYQYRETARDVTELMASLDPLAT
LKFCKGGLDAVHDLKYLRLPSSSSSDSPTDGSAAALLNAKDAYVLSQSFPKLDADSVTGTR
APDLEFRFGLLHNSKVNNSNVDCDVNSLYGMEACDIVNALHQDGMTETSAAASLAKNTL

ANPNLVAQLSASKTTNSTGENQTETIFVVLGCDHPMSPAKPLLRIPGVKVLGIPSSSEGL
EDILDYVRYNPDDTTFFVHP IWNQKDKKGNHRKRNRGTNNLILSRGPQVAQWLIDHAIL
AKKDGDEITTTDSKASANCRKKLKLVLVPMAMPSPATTSRNSDSPFAFVPEASVRWAAS
SDLIVQRVVMAEEAASSTSRQIQCSLWSYQSSSTCMVVPPTSTTLSTELLHKRPSHEQWL
HTLSMGTVLTPTIEEDNNRNKLHKHTEQQDDHSRSTAVPSGSSESDIEANTVRNRFVGA
VSNTNHNYSIVNGIVTSEPHHMLSEHIRLWRAMITHYSADLENNSSQNYIGDYSDSDDD
DDDGIQRKNSVHVAFHPVIVSRGLLTEAIEKASPSTPKISAARPNKITAPLQILNSGTM
ASLMAAIALAGFTDPLINQPMGLIDEKDANTAETIITTPFCLFWNGSVHSGVWNCPY
TLDSIFGTVGYFLEKVYGYCDSALAAASSAIAIANANAASVGLWNKNSNDTQNI EQRITT
NTKSTEAAKSGRDNKFNYANNDHCNTSIVDMVPSIMRDEERQDQQLMPNLVKDRLEILA
>comp2913_c0_seq1; 309 80 751 LEN=1012; translated
MSTTIVFLLQAALLVGACVAFQQVLPKGVSSRQTIQSVPLMMAERNEDTENAFGRRNFL
ATSTAAVATGLLSFQQSAMAIPMATVDEFDITLSDSPLSVNVVEFSGPRSENVVVKLVDG
TVFVVKDIVESPTDPRSPLKLAADCREANVTKKFVDFEAMLSGSPKKKKLYTNERVQKAY
ELQAAQKERIRQDELELRQVALMEEQEKAASAAAAAPPVSE
>comp2915_c0_seq1; 383 108 1133 LEN=1407; translated
MTKLVSRRGSNLLLHNLEENDVVFGTKGNRNEIFLKVLESHSEQYMQLSKFKMGLIQ
QIIREWNGNFYILNSKTNDLHLAKRKDHLSTTDPSSKKLYTSVRRMMNYVNSKVQRKPQ
HLTRPTTNLAGTAIIDRTTQIMKVIPTIAIGALNPQVQKQRMNNEQHCSAPTTAAAAA
APDRPPTAMTAMDYVRKEHITLPLPGDISSYPTFVPKTINISPLQRSVIMVTPEPSRSA
FLRPPPISPLPLSKPDIPYNNTACTAPLSPEASFSSETIPAQTNNGSLLSKKQVTTTPV
PTTRMQAIEEQGPNAKTTDVPGNLEHSAILALISLGASPS
>comp2916_c0_seq1; 1276 1 3220 LEN=3296; translated
XEEELQETKKKKNKMERWLTKIVEESTKRENLLKQKLRDLEANVGDTTDQERLLQEQVNG
LETTKKELEEKCSRALLESFMESALEKEIKQERLTKRFVQLKAKAEKTTQIHEKEVKH
LNSRVSDLETQLASSVKDDEQRKQLDNRITERIAELEAKAEQMRDGNRKKHFESRIADL
EAELALSQNDSKEEGREGQYNPSSFYQDLIKERNNLADRVSLEEELEAERTVREEFK
QTVDELNIEIETHAQKYKAI EAENLELEKELELGKSEHIRLKNVDELDEFETITEDYN
SVTAINLDLGQKLVSANTERNRLEERLSELQDVLDSNTNERGIEEIPKSIPTGMQNELET
LVDENKKKQEQNSRIFTLENDLESSYQERSRLEDRIVEMRKEIDLEKSAQVQISGDVAA
LKI ELERVNITQTRIAELETELASGAEHDRLLQVVRELEDERKVRGEKHSAAKVV
KHSKANSKLEARNLKEEELDSYKRKQEHLDQAILELQKELEMATERSRKAQEIRDENDL
KFKYELEAEKTEQKRLNKLVEHELEDKVEKAAGKYEFELEAKRAEQERLNDI IETMONEVE
MNTEENDKII ESLNGRIGDFKNEALNAKIAELEQELTILEEPPKDATNNGAQI IDQNL
TDRILELETNLESTLDREKKEQEQLIVRTLELEKELESTIEKTLKNEQHLYFQILEMEKE
LASSRDEARNQEERLSAQIRELEMDIDTTKEEGHEKEVWSELGKESEKMESLINMIDRER
KENGVLNEKYSGLKHDFELYKKNKLLSSQYVNITLEGNRHLKLLRRVAELEQEILHIT
KSNATEKKLTTTRHDEELDRDLRERAQKNEAERKDLNELEPEKNEKNRVRPSSGGEVDVRR
QKEDGHHSDKTEASTSFATTIEHQVANDKLSAHLRNSSPSNRETDSPESSIAEEELKAPR
NQKFTKMSSESKADLMEEYLHPLLTETEQLGDEIPSNIGRIHDAFLDNFTNGKYDLRW
EEFEEILEEACQGHDEETWFNIQEAFFTVWETAMKNNPDRDREVITKWESFTD
>comp2917_c0_seq1; 322 271 1400 LEN=1553; translated
MPAMTTRRTAIGICWVSLVLAPWGCVEGWVAPKSTAQKTPKSTAPTSSNTLFYKTCGSDE
TFSRVAKPVLPGIHETVHEERQPRKDETEDPVSRAASIPWIGDEHDCTGDVFLPHWNWQL
DFFRTHLTNLRFNPPGDASDEDLYCMDDGTKRVYTI SLSSDEYRDIRMTYMDFP SCKTVR
CLAYPSDERLPILGMGIMKFGKHQHMAVLDYQPLSTKEEDHDVNDAYTSELLRMRAENPT
MSQPHTYRHFVTEERKYFTDFPLIGKFNDKEDPASPEQGTSAWMREMRGQREFVETHVK
LTQRHTEADPGTTDDASVREVHSEFDTHVSKKEPAGPMLTATYGD EIAAQAGPPGDLSA
FKELSERAPSLATSPG
>comp2918_c0_seq1; 506 1 1986 LEN=2113; translated
SQTNSPNFKSNPRKFTSMPTQDSANRLTPQOREAVERRSRMTQRRQELTSRIRKQKKS
YIQKRRGLQCGVDVNSARPLNLCVAEFRNLLIAYCQTPSAPERLLPSVDNFVAKKIT
STAVRSAEDPLVLEANDEDLALRFLDCLRQQAIDIFPNQSNPISFQSILKILVHLTISIS
SGDAMESSMTPSVEYYGRHPSTWSELIVSSTSSPTITAAQSIEKAPSWLDIFVQGLASSR
EPELVSLVLGNLVGDDGAAQNVFQAISKDFKSSMVAGLVQSVSPATPTAAWTLTNMIRND
PLSYARTYCSENLLSASLLASWLREPCLVSTAWMIASLTAREEDAVQYLSAQHSTPEHS
PFLSAIVESVQNPLQTDQILPLVQALGNI SCHLTLVAPLLTKTAPALVPLLQHILTTTPS
RNPILAKAAWVAGCLLDVVGTEAHPSTTVAAPALIPALINRLGDVNEEIGGSMGMTLEE
EREFASSLWNALDVPPGPGQPQLPQNSLWSNHPTQSSPVQLPFALNLPSTLRSLVRLI
NSNDSDAVLAGVHVISLLFQRENDHQNLQRILEEEELPCALEQVCD SQMEEAADVAADCL

DDYFYNENYDNDELVETPSPWAGPPVPTTFHFGIGAEAHATNRGGRGRGRGSTIPAWMT
K

>comp2919_c0_seq1; 412 526 2373 LEN=2760; translated
MLPLNITDTEKHSTAFPQPPMTILSIEEGQQQQQPHYNRIHQSQHSYNSKESFRSSSHT
ESTVCESIDVLTSEDFIMPSNSQDESAIYYFGYGPVNPVLRRCRRGCKISPHNVRPAILY
DHRLRFVEGGTANVVPMMGWVKGVLLRFDSVNEWENFRNFDAGYDIKEVSVSIIDETNL
DPKNKNSRTFPTFVNRGSDEHLIEEEDHKDESYNGERRNGSDLIRNRHLCKSCAFSTADS
GLVGDEDEDEGSCSSEEEYSCPFTIGAKRSRQKEDPATVRCLTFAMSDQGSQHQNARISLS
GNNGDSCSVDSVFCCKPQERYLRLMMDGLRALKVDETYIRDEVLRVNYIPSERDRVADQSY
SYKKFPVATKSNKMPKISFAKYKSKLCSNSKRGENATATYFICNRKVLKVNLLSDKLSSD
NDLSMYTNNACVKWLRALGHGKGDITLLVHQTFVDPDCLHIPLVNDDDLTPMHYEWAEH
TILLYLERGGVTATTVYELTDSGCNSNAKTRRRSLSTSLTRVGKSVPSLTASMGRRFQKN
RFSVDVSGHSESSNALPKITSRFSAPTILTTKSSTAEAPTEDFSTTSIKAKSKLCGITTR
LKNLRLSKSENEV

>comp2921_c0_seq1; 1118 199 1992 LEN=2299; translated
MSSQAPSVAQEVASASLSDGPSTETRNAEIWSTRLQRELLALTTDNASEEAKTEMVAVLPP
FCSIKEHALDIEAGNCTVTCLLDLPKAASTGDGKAEGSETTTEETDKADAPIVVTFDVSL
QKKADGSVDTSAVSYFPLKPLACLASGCGNFPEGSTIRDGDAIDIEMDWTPSLHLSAIL
NVSLKIKECLSQGEAFHAAEVSSKASKAEQAVNEAVNKAKTLGANLGASLRNLAHNATTD
KDGEKKKIRLPMGRKKKQRPKATAKEIRIGDEINMLEAPWVDCQGVYSCKAIRRPFKFAEE
AIALADSKDKITKEEETE QVASAGFAGAGLMLQKFTNSTRGLLEESFLMITESHIIEMRS
NKLNLSTGTVSFAIPIDMMAKLFRRQESISLFFKPAPEDPLIYMCPDSADCVHQIQTVL
KRHGVKGKHTNAATHRAINEALQLVQEIQTKELALKHDPNIERNVQIMDLRQAAERFEV
AGDVRHEEVVTHMRKFLALPLTVSVLDGSYVTPTRNADNEPIPSPVTKGGAYDSNMDSLL
SKAETDLSNMKGNDKELDDLFADGTDDALGSTADTIAEFENMLKEADKELAEELMAS

>comp2921_c0_seq2; 1148 199 2097 LEN=2404; translated
MSSQAPSVAQEVASASLSDGPSTETRNAEIWSTRLQRELLALTTDNASEEAKTEMVAVLPP
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QKKADGSVDTSAVSYFPLKPLACLASGCGNFPEGSTIRDGDAIDIEMDWTPSLHLSAIL
NVSLKIKECLSQGEAFHAAEVSSKASKAEQAVNEAVNKAKTLGANLGASLRNLAHNATTD
KDGEKKKIRLPMGRKKKQRPKATAKEIRIGDEINMLEAPWVDCQGVYSCKAIRRPFKFAEE
AIALADSKDKITKEEETE QVRRRTASLLDQSDQGPVDAFGDYMRQQAGGVTVASAGF
AGAGLMLQKFTNSTRGLLEESFLMITESHIIEMRSNKLNLSTGTVSFAIPIDMMAKLFRR
RQESISLFFKPAPEDPLIYMCPDSADCVHQIQTVLKRHGVKGKHTNAATHRAINEALQLV
QEIQTKELALKHDPNIERNVQIMDLRQAAERFEVAGDVRHEEVVTHMRKFLALPLTVSV
LDGSYVTPTRNADNEPIPSPVTKGGAYDSNMDSLLSKAETDLSNMKGNDKELDDLFADG
TDDALGSTADTIAEFENMLKEADKELAEELMAS

>comp2922_c0_seq1; 389 91 690 LEN=843; translated
MSESPSWLDAPAPAPAAAAPAVEPMSIEGTGAAPTAAADEKDLPSIILMMRLNLAAAAA
LIVVSSLQIVGIPALSSIVLAVYTICGGLLICLETQLKFLRVMIAVNFGFLFNSFWRFL
FYLILGSVCWAFGGIMGRTMACVMGGVALFNTYVLCRYPSYRKIREQIAEEEDKRIEARV
SKEVKTQALKQMAKSATGK

>comp2923_c0_seq1; 598 327 2496 LEN=2778; translated
MSRRRGEFEHRTSIFEGAFRAWSHLGGLEPQELDSKASTDLPLSHPIENDVRLQNKDGD
KAGSNADPNGSKRRQFPYEPPLPRSGLAHPYVQAILSPWLGSADSDAIQLGLTTLRTWWQ
HRRKGESGSAIAALGTEKMKGVVEGYTRHFFTLAYCLVINDKEQPRTLHGKMKKELEKVR
DKKKKRSRDTTEKGDNANAMGMNSMGRRGVDL SAEIMNPNLSPLERLHMAQQNQLNGAG
GIKSSLTEPGQMINVKNKCVPGVVDLPGIVDKVSRRAATQLAHSGGGRLLSNPSAVASMG
MNGDNGEHSDTVPIIFVTENREIMIAMAVEGITCAHCVKIVETVLRGCNGNKSPIIDGLID
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MYMAFERMGAIDPRDIFDWSAPCSCPNDNGVARDDCLXVRKWGESLLFHXSLISFVLRP
TKFSNLVDKFFYLDCIRHGQMNNSLLDAFETRAAGVRRFLSGDMPQPIQKNHIPQRMMMN
NHFPQQRQQQGMDDIQPLNDTTGMGLDMFGSSGMNMMVANMNPNSGGDIRGSNMGS
NNMNNNQMMSEFGNHRMSLMGRMSQNPNNRMSLMGRMSEISYGRAMSGLSAISIDWENMED
FDVNVVDHSEHINNNMGAGAAGAMGRARGPRVAPRWSMAQHMMNNNNAGGQNIITDSDAHVQ
FKI

>comp2923_c0_seq2; 675 327 2378 LEN=2660; translated
MSRRRGEFEHRTSIFEGAFRAWSHLGGLEPQELDSKASTDLPLSHPIENDVRLQNKDGD
KAGSNADPNGSKRRQFPYEPPLPRSGLAHPYVQAILSPWLGSADSDAIQLGLTTLRTWWQ
HRRKGESGSAIAALGTEKMKGVVEGYTRHFFTLAYCLVINDKEQPRTLHGKMKKELEKVR

DKKKKKRSRDTEKGDNANAMGMNSMGRRGVDLSAEIMNPNLSPLERLHMAQQNQLNGAG
GIKSSLTEPGQMINVKNKCVPGVVDLPGIVDKVSRAATQLAHSGGGRLLSNPSAVASMG
MNGDNGEHSDTVPIIFVTENREIMIAMAVEGITCAHCVKIVETVLRGCNGNKSPIDGLID
AADRTLNAILIRIDRVNRARRISLEATRNLAMVGYQVQVKTRKIVEKNGNSTKVPQDE
MYMAFERMGAIDPRDIFDWSAPCSCPDPNGVARDDCLRHGQMNNSLLDAFETRAAGVRRFL
SGDMPQPIQKNHIPQRMNNHFPQQRQQQGMDDIQPLNDTGMGLDMFGGSSGMNNMV
ANMNA PNSGGDIRGSNMGSGNNMNNNQMMSFGNHRMSLMGRMSQNPNNRMSLMGRMSEIS
YGRAMSGLSAISIDWENMEDFDVNVVDHSEHINNMGAGAAGAMGRARGPRVAPRWSMAQH
MNMNNNAGGQONITDSDAHVQFKI

>comp2924_c0_seq1; 275 1 1236 LEN=1264; translated
SILLFLMTILVWEQLPVLKVNPLDSMVNALATTNNKQLRMQTSSTSPVSSPRIAPPPR
LPLKPPFPNGLCGGTMVDIVPEETFGVDVNLANFNFMGDMVLLPRTIRIWLPPGYDENDK
DGGHPVLYAHDGQNAMEDEESWTGASWRLIGAITRLADHKLICTSSSPATNSTSSRNNGN
ESRQPTSSSCTSDGKLPVIVLLPSAQGDWLPGIRRRHLEYGDMNFPFAQAHADFVANTVK
PLVDNRFRTPNSAERTFCIGSSLGGQASLHLLLRHPDKFGGAACLSPAFGPAILNFVDSS
KGGKILREGKKKVYLDIGGDMDDSKSSDFVVRVSPIDVLDHLTPVHGWNPGYFWLDTQLQG
QVTAMRKALDRSGADYEYRQYPGGRHNERAWALRIDKPLLHLFSDKRRKKE

>comp2925_c0_seq1; 442 172 1741 LEN=1955; translated
MNEESSSSSSSKRRGPTTYPDPDASAATDDATEASLTRRSKNDRIPLSLGKASLRIRLEAY
YSLISPAILSDRTAWLRKYDQIYEKYSTGTQKQESKRAVLSEPHSFRCLLSYQPGKSPLA
FNALLDRFLRHTLCDQIEPNQYGGTHSGERKLATKLAKKYGTAVRLLLVSDSSSLVPRFP
TDSNRSNLANTRKSNLPRDESQYQLRKEEAGSGIVDFLSSRFDPVEALTGASGRGSVAR
ANPWMEELLPKTILDNIGKCAALLPTDDPLRKENHLQLQLRKSAAARNSSSQONQLALGT
AAAAESVQIRPTTLRKQTNHDLHPFEAIAASHLDTGPHSLLFRLRRDRKRARVVVRYVMV
RGTITGSLVAFDKHMNLIIRDVEEIIYSPRINDKECRLSNLELELERRRRLSLDAEDLGT
LEAAAAATATSNQSGSSIDYRVGKGCSAIQEQHQHQSGNWKVRRRQMKQLLVRGDMVVS
YEAAQERTNVQKSRYRKRATSALVRAGAFGTSKRLTEKEAK

>comp2925_c0_seq2; 481 172 1572 LEN=1786; translated
MNEESSSSSSSKRRGPTTYPDPDASAATDDATEASLTRRSKNDRIPLSLGKASLRIRLEAY
YSLISPAILSDRTAWLRKYDQIYEKYGTHSGERKLATKLAKKYGTAVRLLLVSDSSSLV
PRFPTDSNRSNLANTRKSNLPRDESQYQLRKEEAGSGIVDFLSSRFDPVEALTGASGRG
SVARANPWMEELLPKTILDNIGKCAALLPTDDPLRKENHLQLQLRKSAAARNSSSQONQL
ALGTAAAAESVQIRPTTLRKQTNHDLHPFEAIAASHLDTGPHSLLFRLRRDRKRARVVVRY
VMVVRGTITGSLVAFDKHMNLIIRDVEEIIYSPRINDKECRLSNLELELERRRRLSLDAED
LGTSLLEAAAAATATSNQSGSSIDYRVGKGCSAIQEQHQHQSGNWKVRRRQMKQLLVRGDM
VVSIEAAQERTNVQKSRYRKRATSALVRAGAFGTSKRLTEKEAK

>comp2926_c0_seq1; 220 42 452 LEN=574; translated
MVRSSLFSAIVSLLL VGPSHGFSPSTPSTTTTTRLNGFGDAFKNAFANDDDLGARKNEG
LSGGPNYNE SVTMNGKAVPGCVVGQKLTVVGGKARVKIPVNCQAGDCGTCVVKMNGRKKV
ACQTQVPKGCNIQTL

>comp2928_c0_seq1; 1010 596 3958 LEN=4142; translated
MNFQRPRSSRRYAGDRAIGTEAVANLSSMKQRRSADGTYLRRRYATIAVGLVVVIGVII
FAVTSTKAKDEL PVSVAEITEKVI SEITHSHTDSYELLTSQSYSDANSTIGVNSTLAVYE
HKKSGIDIVTMIPIDPYQDATFGINFRTPSERDDGAQYVVKNAVLAGESENYPVKDPLNQ
KRGSLQTYSDSWIERDRTSFMASRNLA DFRNNLKVTVDAVFNPLFIKDEHKWIYRQEGW
RLESPDNVLLISGNAYVEAKAAQMNPEEVMIKHIYSNLFPGHVYGNPKGEASEVVTMT
YQEVIAYYETYYHPSNAQAFCYGSQEFIDVCLNELDVQLSEYENNTSVGNHSQIPWQELT
EVEEQIKNITYPDYQEQVDYRSVIAWILNDEPMDLRTQIAWQLIYELLAGSNTALVPKII
FDSNLGTDIVTHFQHSLLQQWVLA LGVSGIESYEDVATADRKIMQELAKVVSKGFSDAME
AAMHKMEFKFREQSPDDVPLGVKYFRDILRNWNYGQAPLEPLNSATEFLNLKAEIQNEGQ
EFLLTLMTQRMMDNKHTVSLSLHPDTNYA IQYERLEQNWLDNLDTYLNKEEGLKVMSETQ
KFKEMQDENGSEELAKIPRLEVSELNQTMYIPPSDLIKNLVETDVTAIKHKLPFTNGIA
YVDFSIDMSNMFDDVLIPLFCQLLEGGTEVHDDVEMQRQIDKYTGVTITPIIEEIV
QTDDHDYLVDPDGKHFVTKLIISGSCIASDTCLPMLILFRQFVWDSNVRNKEKAEILEA
RINEME QDVQINGHKYTTSRVESRYSLSGFVREQWYGITQLMQMRRALA QIKDNFTLEGL
RLVKMQDELKRGHHNGMHMSITGDHEALTDIKGPLSNFMKNGLPLATQKTPFPNFAEEEEH
PWVPKGMHRVKEEFSSETS NQAFVTPTRVNHVAKGGILYDVGERIPGADMVVTQYLGYY
LFNELRFGQAQEAWSFLDLDSGVC IYQSDRDPGIFSTLETYEHGATWLWEQVHNGELPL
EAKSAIVGAIGRMDAKIMTEPKKLGRQALISHLKEDRHEFRQHWRNQILNANADDFMAMV
ERLGSWGHPSVCVVTSPPEVYDTIDQEDFAISKCDYSGYQC

>comp2929_c0_seq1; 1127 128 2032 LEN=2128; translated
MKLFSRIAAILGLIAQMRDTEAFGLVSKPNAPIFTGSSTSLNAGSEVFPALSSSTMKEGKV
VSWLKSEGDEIEAGEAIMVVE SDKADMDVEAFEDGYLAK IIVDEGEMAPVGAVALIAET
EGE IDEVASAGGSAPVAAAEEA PAEAASAGAPDCEFSQIDMPALSSSTMKEGKVSWWLK
AEGDSIESGEAIMVVE SDKADMDVEAFDDGFLAAIITDEGETSSVGPVALIAAEEADIP
ALKAYAASLSGAPAAAAAPA VAPAAPAAPKASAAPVARAPGARVVASPLAKKKAEEIGL
DLSTVAGTGPDRITAADVENAAKGGAPAAAKPAAAPAKPVWTPAAGVIAATPMARVAAK
KAKIDLATITGTGSLGRVTVDDVKMATGEKKAERKKAPSGEAAVELPDGFVFPFSGMQKAV
SGNMVATLTVPSFQVSTDIEMTAFEAMYQKVKPDGISVSAMLA KACALAI EKHPIINSAY
SDQDGGGILYKGDINIAMA VAIDGGLITPTLMYANERP I KEIAENWRELVGKAKTGLTSP
AEYTTGFTTISNMGMFVTSFSGSLLPVGQGGILAVGATQDKVVPDSQAIMGMKKARLMTV
TLTADHRQIYGSDAALFLKTLK SIMENDVAKLAK

>comp2930_c0_seq1; 353 110 1672 LEN=1764; translated
MEDTVAKQSSAATSSSTSSSETWNVAVKNRGPFFDRRGS LREGGWWIDLDEAKKLG MDEEW
WTETEPTKSPVALPKASPTIYHSWGNV KYRPKGPIW LSESGTMYLGPWAEVRQGPGRRT
VRVAKGIGIS CQKNGQCHIGEYRDGLFHGWGRSFWLKNLSLVWKR NINEEEKQIMETRVVV
TGDGQKTEELVGLPYEYHGTFRSGSKHGIAGKVVLKDLTTRVGSWVDDIAVLRKWKYRIRQ
DLDPVLEEQADWWKHVKLDCVPI DSPQSRYIASKTRKNAKHELPSPSVLSRRKRSCRA
PNRKKHKSSKTRKCGEESHIGTETDHRGEDETDNHPRSEYNQDAEFKQENSLGAGTEVID
VDALDPDGLVPDEPPSSLMPERIISAVGNSNRHLSSQVFPDAYLSEAEESNFPLHTAVKF
GDEDFVDEELEKIATGTGPEGSPIGSDRSYDSARLNAVDSKGR TALDLAAL TGQVGLIKK
LRRAKGISFSFKPGPRMMILAKKR SKDVAKYLEQVHETVE

>comp2931_c0_seq1; 577 557 1585 LEN=1679; translated
MANSKDTNGSQFFITFRPTPHLDNKHVVFHGV DLSSTSSKDSLRI LENVRTGRSDRPVT
PVQIVDCGIISDDEGNDESEKGA KGLVSGENTTKHPTAKDDIEVELPVEEEEEVPPKTK
AEALKRRMRK LKMKMNQARQLNKQEV LREGERLGSVEGAAKARKRQQIMDKKAKELEWKK
RNSKALEVAAAAGLDGKHLVEQADASLRKAYKKEQKAVSQQFAVNDYYNPEGQHRNYERN
LKSLSRAAGPLPEDAVTNGHATFDPTTDESDEKREREGARNLANELKRRIEKQKEKRNRL
EFEGEDVTWINQRNKR FNQKISRNF DKHTAEIRQNLERGTAL

>comp2931_c0_seq2; 723 1 1448 LEN=1542; translated
PNLTELSDENRSDKLQOTPRKYFLTESKTLCTHKGQSVKSXTMVQKAF LKIRVGERQVLS
FDLVLYDDDVPNTVNRNFVHYLEERGSTGYLNSRFHRIKGFMAQGGDFVNGDGTGTASIY
GGTFADENFLRRHDRPGILSMANSKDTNGSQFFITFRPTPHLDNKHVVFHGV DLSSTSS
KDSLRI LENVRTGRSDRPVTPVQIVDCGIISDDEGNDESEKGA KGLVSGENTTKHPTAK
DDIEVELPVEEEEEVPPKTKAEALKRRMRK LKMKMNQARQLNKQEV LREGERLGSVEGAA
KARKRQQIMDKKAKELEWKKRN SKALEVAAAAGLDGKHLVEQADASLRKAYKKEQKAVSQ
QFAVNDYYNPEGQHRNYERNLKSLSRAAGPLPEDAVTNGHATFDPTTDESDEKREREGAR
NLANELKRRIEKQKEKRNRLFEGEDVTWINQRNKR FNQKISRNF DKHTAEIRQNLERGT
AL

>comp2932_c0_seq1; 758 78 1355 LEN=1840; translated
MKFSIAFTALTA AVVSANPFAPAKSPNSSKTKYMSKLMRNARPTPNSQLGRKLD EEEAEA
EEYEVDISGYSLKFEQCQFVKAYDDELAGEDSDSVLATRRFVIFRLCPSDACDSCNYNFG
EYIVDLEEYLEATVNYQQEMQEEMCNACEENCQWEDEEEEEEDNGRRRRKLEDYGSNCN
TCYEECMKIENMEDNGYIDATQFLDCQM VYDPEDDGLSALYAGPMCASNGSKIKIGIFTD
EECNVPDSDKD VDDYLM DGDGVSMKLSHALLKTVYSSECVSCLAPQEEEEEDDENG DENDN
GDEEEVEVLEMCEQLYQASAKCEKTNGFDNGYASYDGYENQLAQESVVCDFVESL KAGSY
DESGEIVVNGKSSSVGGGSQT TGGQKFAL TFFILGTAGLAGYAAMLH SKLTKGTMGLAET
GGLA

>comp2933_c0_seq1; 73 1 379 LEN=869; translated
XDDDDSN EEEASGGGDESESAK PAMPKRNTG SWSVEEQEAAAXGPRDPRDDKHKGDRA
DGRNPQHRSGPPLHRSPLPQAPCDGNEFRGIVVRQLLSR DENETRGRNRAREPIAKAIAR
FLACAS

>comp2934_c0_seq2; 125 194 991 LEN=2586; translated
MSPDIHIRLSLPTRPVPLINENLDDEILVPSERACPNRMSSPHYFSPNDHFRKSIMKW
KTLDES LKSTDETEETREGRGMKKNLQFTIINIREYSRTVGDNPSCSSGPPLSISWEYM
NIG EIDVDEYENMRPPRRVQREMILPRNMREDILRYECNASRQEITESIRQNVRIKNQR
TTINN LGKAEKLEEVME SASRKLRRFVTRKKS VHKQVEDLEKEIDVCNRRARKLNYLEKT
MSQGREESFPGESTLDCADSVSVNS

>comp2935_c0_seq1; 565 229 1731 LEN=1986; translated
MTRQLLLPI LVGAIASMPATGMVLR EPPKVSSPAGSAVEY GKWSPSSWRTKESKQIPEY

PDQDALKAVEDQLSKCAPLVFAGEVRNLSQDLALASQGKSFVLFGGDCAESFDEFVSVDHV
RDTFRILQMALILTHGGSKPVVKIGRMAGQFAKPRSSPTETIDGVTLPSTYQGDNINREH
PFTAERQADPKRMVEAYDQCSQTLNILRAFSSGGYANLSRLHAWTLDFVEATPVGSKYR
KLASVVEESLRFMNAIGVDLESPAMQQVDFFTAHECLLLPYEEAMTRIDSTSGKYYDTSA
HLLWVGERTROPGFHFVVRGLENPLGVKISDKASPEDVLEILNTFNPDPNIPGRVTLIT
RMTAEGIRTKLPAIIKAVQAEDKHVVVWSDPVHNGGFAENGFKTRSFDAIREEVVAFD
VHRECGSHPGGIHLEMTGKDVTECLGGDTNGVTMDGERGLASKYETHCDPRLNAMQSLEL
AFCVAEKMREAEAAKEEASN

>comp2936_c0_seq1; 186 335 778 LEN=827; translated
METSAKVTLFEDIFEVTALNPDGYKFDVRNRIQAVGTTFECDLLLDINCEIYSLREHDKV
TLMLASTLHLDGSPADHFSYTPSSEPTLADNYEYVMHGRVFDISYKKDGTAVLALSFGGL
LMRLTGDQRHLANVLPDMRLYLLKKD

>comp2937_c0_seq1; 174 90 671 LEN=761; translated
MSSVTCSSFEFCNSGWGEVLTHMSPYGFANFGVAFGLGLSIIGAAWGIWLTGSSSLVGASVK
APRIISKNLVSVIFCEATAIYGLIMAILGNKIKEPETVSYYLEEGWDYNGYYYAGYGMF
SAGLSVGLTNVAGSVSVGLAGSSCAIADAQDASLFFVKILIVEIFASALGIFGIIVGIIQS
NACTFPPTYALGQE

>comp2938_c0_seq1; 836 154 2362 LEN=2576; translated
MKFILTTAFLASLALGQNNHASNKDAEDFAYWRDLVDAVDSMPPTSAPTSPVTPDAPV
TPTDTPVAAVTDAPTDAPVTPTDAPVAPTDPVAVVTDAPVAPTEAPVTSTVA
PTVAPTIAPSVSCKTIAEVITTTPEFATLTTLVEGAGILDNFEQGTTLTFAPTNDIAIAL
PSELVDTILEDKELLELVLLGHVRRQQIMVENLECEGGPISSSLTMANGAETTITCGMSL
DPEGNEVIDTFIEDNGVPGKIVGPDGMACNGVIQAIDAVIIPDIQTTEAPVAPIPKPTPA
PVTLPPIAPIAPTIAPVAPTDPVSGTQAKLSTFALSNGAEFEDTTSYQYKALKQTESQI
GVDSFTDAKLVQYYALYCIFFATNGVNPVITDADPRFEGIPFPNWLITTGWEATDIDPCD
WYGIICDAESRVSIIDLFENLLTGSFPPEVLLSLDGGPFSTGAGNLFRIIDLFRNEFLYNN
ADSSWMTDLGNSMNTTIIAEETAFAFGDIPRLPENLVNFDISFSYFTGGLIDTNFESLQELA
FIDLDGNAFNSTIPAVFGRPLSLEFLYLSDSFVSGDISYMQGMPISIREHWIDTNPLKGP
IPAYIGDLTTLESWSMAFNLSLTGTIPSELGNLVNMQMWLYANELTGTIPSELGNLDMR
ILELEGNFVGSMPAEVCANTVFPTQIIIEKLGADCEDENLNLVLAHAVVYWNAAALNSRNQ
VTTRRKPKEFNCLSY

>comp2938_c0_seq2; 523 154 1761 LEN=1761; translated
MKFILTTAFLASLALGQNNHASNKDAEDFAYWRDLVDAVDSMPPTSAPTSPVTPDAPV
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PTVAPTIAPSVSCKTIAEVITTTPEFATLTTLVEGAGILDNFEQGTTLTFAPTNDIAIAL
PSELVDTILEDKELLELVLLGHVRRQQIMVENLECEGGPISSSLTMANGAETTITCGMSL
DPEGNEVIDTFIEDNGVPGKIVGPDGMACNGVIQAIDAVIIPDIQTTEAPVAPIPKPTPA
PVTLPPIAPIAPTIAPVAPTDPVSGTQAKLSTFALSNGAEFEDTTSYQYKALKQTESQI
GVDSFTDAKLVQYYALYCIFFATNGVNPVITDADPRFEGIPFPNWLITTGWEATDIDPCD
WYGIICDAESRVSIIDLFENLLTGSFPPEVLLSLDGGPFSTGAGNLFRIIDLFRNEFLYNN
ADSSWMTDLGNSMNSKCGHEQFRYSRNLNCLCTVNLTQSSHLQNSRNLNFSATIIAE

>comp2939_c0_seq1; 160 261 1034 LEN=1495; translated
MNTTTRVGGIGSWRKKTSQEEPDEGESGVVNASSSPEANGSSNHNHMSNSEHQYHKTYLD
LFGETAKDFLTRVAPERISRIVPPEEPGCRWDWRYLRCEPYCACTLSPKFPWDLHLGRAC
RKRGAEGTDGGTEAGFEEGADYRGLCEGGDSRPGSTLLSVLRSPAPFLAKTSGAAWRIL
RTRADPVVARAAGELERVGAGVSAVVCGLSDRCKDGGDGAEGPPVLAWQERLVCREIA
RDCGLVPPSRGPDPAEA

>comp2940_c0_seq1; 484 123 1037 LEN=1341; translated
MGAGREDEEITDLLTKLYTIQEDIGAKPKTSEDEKRAKANNTAKMGSSKKAIEKKGSKFLE
LKSTIVDRLKTIIHQLLKDTKKLEGAGYGGDNAKDIKMQAETRENIRQATDEWRELEAIY
KKEARKKKSFTPEELEVQSELTKRLYAEIEKVKDAQMKGYARSRTPDAAAALNTKALAY
NPSGSYGGKPSWGGTGGGVALTGDQQQQIMQIEERDADFDLQQLDEIGEGIQDLAEIAQQ
QGEEVRLQNQMLDKVDKLLDKNLERMTTVNARMKETLEQVGRSGDKIMVDIMCIVLAIGF
AAVIW

>comp2940_c0_seq2; 511 123 1055 LEN=1236; translated
MGAGREDEEITDLLTKLYTIQEDIGAKPKTSEDEKRAKANNTAKMGSSKKAIEKKGSKFLE
LKSTIVDRLKTIIHQLLKDTKKLEGAGYGGDNAKDIKMQAETRENIRQATDEWRELEAIY
KKEARKKKSFTPEELEVQSELTKRLYAEIEKVKDAQMKGYARSRTPDAAAALNTKALAY
NPSGSYGGKPSWGGTGGGVALTGDQQQQIMQIEERDADFDLQQLDEIGEGIQDLAEIAQQ
QGEEVRLQNQMLDKVDKLLDKNLERMTTVNARMKETLEQVGRSGDKIMVDIMCIVLAIGF

AAVIWNFSKK

>comp2941_c0_seq1; 480 174 983 LEN=1694; translated
MDFTLNLTILGSDCATLLARSLFFVSRGNQKRLALGGTCGDRGTANGMERKTDTDACVVVSF
HERTSKRRGNKLLGSGLFSVVKHRDSLVLLENQNRQQHLKHIDDDDETASTVDMDEDEF
VAASSSNHREKKERRSVQFEEELVTAVYTRPRTTKEDKYLYHYDEYDYMDFKLEYRDQL
LQQRDRERNKGRISNQQQQLPCYRRSPRKSFSKREVVEVHPVMDRSQRKKIQKDLFYT
EEEMRTFLDEFVVSLLQKQQQQQQVVVTS

>comp2942_c0_seq1; 232 1 705 LEN=999; translated
NQPIGDWDTSSVTDMSGMFSNNTSFDQPIGTWNTSSVEGMGRMFYSSHFNQPLDEWDVSA
VAHMFMLFDGATNFNQCLGSWAECTPDYVSVFVGMFDNSACPNTSDPKTKGPWCQTSNDS
CGHLVSSDCANEKGFITIKRYIECNELSELSDRERNALCRKKVVKQACPGVCDRRCICKD
KKRFSIKKRNKHIKFGSYKCRNVGKQNPSCDTKAKKRLLVKDLCPKKCDSCLT

>comp2943_c0_seq1; 639 199 2009 LEN=2009; translated
MPSGKPRLNTPCYRWDFSAKECLCLHSNLMKTTSNHKKDDENAFLSDKSLSVLLHGSWN
HDLSPALSDEDEVSEHAGKEEIEGQNRRETTKQIVMQQIAFAFSAARDWAVKLSREQAGTD
ASIARDILEYADCRTIGGSMMLVDSDDDETIDIAVDQFLAPEDLPALVVVANGDVGSPAL
LHPVRGLDSRTLGAFLSTPSSEPTYNEASFTVLNLRDTRLNIFEGRPADAGGGEAGKTK
TGPSLEGETEALRIFVSGDRSQVGKSSVCMGLIGTLVHDLGYPPSSLAYIKPATQCEATQ
LVALYCEELGVSHRAIGPIVYKGFTRAFLAGDTAPSEVLLEQAGEAVDAIAEGKRIVIV
DVGYPVAVGSICGTDNASVAAAACGPIQSQTSQGGRRPPVPLLVGKKGVDGAVDSFNLN
ATYFESRGVPLGVSFVNRPLLEGYYSLDNCKQAVGSYFEQKTDKIAFGFIPEVASISSSR
EEGAALLESASKEFVKTFADHVDVNAIVEAAKATAVVRKIMAPPLSHKNLXPKNAPT
HAGGIGGKPDETAQHRSQGSAAEDPTDEGAGRGRQDSRSRGRWRRKVAAPWLRRAESNPP
FESA

>comp2944_c0_seq1; 293 128 1078 LEN=1118; translated
MSETESIDVAFKMAVILGSMMLAVIVSLVAMQTKIKGGDSRWLPNPTSEPSKRAYEIIYALC
YTPIWIFAFGCIVAFGLYEDFDKWSYMKVCVGLSLPFLLPVIFASAGTPDSPDEKRPLI
ERYSFKANVWIAVYSFIGNYWYTHYFYSVLRKYTMPAHLNPLALYFATHFYFSTYH
VFSNLLLRKVVTYVPGMVRSILYVTVVFTFAYFTAFTMETLTISAYPDYSFEDRNMAYTV
GSAFYGIYFIVSFPAFFVFDKIDIDNAEAKRKTTSVWDTIVSSCGYGMIIIMILLDIVRLHLG
IPLVIGSSDDICSSINK

>comp2945_c0_seq1; 1339 109 4128 LEN=4735; translated
MDMSEACYAAVPHESSPLIRKKTLLPVLLWVGLAYAVFQETSSSHVRKSVSVAEEVRS
STKNRGNHYNNDPVHFDDTDLIDDDLHEPVHRSFGSDVDIDVDIDSEGIDWDNDEKDE
NIERKNSARTGPNIILVATVDGTIAGISKEGTVLWRQSEDISSVPSSSSSSSSSYLMMES
TKNDSCSPILKPLVSTTTTKSASDASYKVVPSVDGTIYTTTNDMTIATPVKDLVAKSPF
LDQQGRFYVGSQYASTAALDGTTEVLRVVSSTATTIPDDEDDNESSLPTLDDPNIVWIG
RVDHEVSIQDAKTGFTDAQFSVGQVMSVEDMRGMMRESVSNPEQTIRPNGSSLLSKAVAT
TVNEAMDLPNSLVATPNGAALWSFENKFAWVASELSNSPIVYAMDAETGVTLRVDIIP
DVPDPKANIRDLTREMERQSRMASVTNTPVVGAMSNGLYALPLRSSDQSTSSATIDQLP
TQPGGKLIKSPPIGDGENDFPDSSLVIQKEEGFFHPKYGYISPKDLGGFVHPVYGYVS
PRDLFGAPKRSSKTSLSLFRVLGSLPPTIALLFVIFSELGRRKRLKDEKKGARNSLHP
QKDQINGVISFNEDSGGKYGALQKSHHQEVI SVSEDLVGYGGHGTVVYKGVLDGRDVAVK
RMLKAYHASADREISLLIESDGDPNVRYFLKEVRGDFVYLALCLDLSELHELIGVLREK
QQEKSSSILPNADKEACVLSNESVGATTRILLQIASGVKHLHSLRIVHRDLKPANILLAV
SKKGGKKVKEEDPIFATFTRNYDAKISDMGLGKQLIGQSSIGASFIGDSSFRGNKSGVH
SIGVGPGTVGVQAPEVMAMRLTSDTSARSTDSASNIGESKEGQGNLILPSIRTSRSDIF
SLGCIFYSLIPGSHPFGEWFEREANIMHNRPNLKPLTSSSEAYRLIRSMMLDRNPLRP
TAKEVCEHPFFWNAEKKLTFLCDFSDRLETDTIAPGSSNVFGSFAIERGALEVVGTSWEE
KLDVSSLVDNVQKFRTYDYSCVRDLLRLIRNKHHEEELPEAFRLNEAPNQNALCKYFTKI
FPALIMHCYTFCGQNLTDLDDPLVLKRVIPPAKFQTRFSTAPISVSVEETIPTNHNEAV
ISSEELKNDSTDTQCLEIAQVVTCDNDEVEDDIIVWEGSIAAKTFNNRGWSRSQDEWSR
HIEPFYKRRDPASKRCEMEDPKFRTRLCNHWDMSLGAFCPMKKKNKCVFAHGPAELRVKEG
KKNRWGKLVKNGNNSNPWHCGGEDTYGAANSIELVRKEEGKWNASKDRKKNQGTTLRKK
KPGSNSNQVKQKTNPKAPA

>comp2946_c0_seq1; 738 61 1683 LEN=1835; translated
MMKADIETKRIQNSNENDATMDSNTDTSKRRRRCFGLIRHYQVTGILIFAVIGIGAGIG
ISSWQPENEDAKDIAVKWIGLVGDLFLRALQCFVLPVFNVIVAVVEMVSVGKASSVGY
TVIGLYFATTLAAALFGIVSTLAFMGLYNTEEDIHEEEISPLYIQLGCNDADSVLAEAKN
GTITCISKALADGIDSTFILHDLNNTLVETNSAVTQVVISDVTYEGIFEKIVPNNIIGAF

ADSNFTAI IFFAVLFGAALSPVILKEKNGGESSLMTMLKETDLVFQRIIRWIIDLTPFAV
CSLIASAVGEQEDLFSMFSSIGLLMASTIVGWGLQVVVIYIGLFALLTKSNPFGYLKQLI
PAQMMAFATSSSAATIPASLAAVKSTGRAPDTISRFRVIFPGATVNMDGGAVYFVCACIWL
AVLNGEDVTVSSFFMLII IATIGSMGTAPVPSAGLVLMITAYNTVFGTADVPHGFGYIVA
IDWFMDCQAACNITGDCIVTAIVAHRCPVDETPVIMVQTNDDDRDRLTTEEEDEQCSEV
>comp2947_c0_seq1; 263 1 1012 LEN=1183; minus strand; translated
ALMDALMDTLLGLRGPVVGQRQVKKDEAEDGSRFRFFVGVSHSYRSGVYKVKGGNL
GVAVAMDVAAAMAVAVVLGRSEASSLAADSTHAFQLPFLGADRMDELVASEKAMQSSSVV
LVEVDVVVLAVLGLIVLGLIVAVVVLVVLVLPVAVLGLIVAVGVSVSVSVSVVLEREKPR
GPRTLPSGSSASPAQASVGGSRRTLASLEXFPGTFPGTFAGSQASARALAQQERPVRP
NGPVVPADLDAQGGAVVQLLGEELAGGTGDVPPNGLVFLVLLMVLVLMVLLIILMLLLV
APAAAEEATGDATSVLGSWFMSVGMDCLLDCLLA
>comp2948_c0_seq1; 558 87 1322 LEN=1450; translated
MADEPSEPPADTTTPDASDDAPGGLTDADISSNWDEVIESFDGMELPEALLRGIYSYGFEK
PSAIQQRAIRPAISGRDLIAQAQSGTGKTATFAIGCLAVIDQSVQQCALILAPTRRELAC
QIQKVVLLALGDYMDIKVHACVGGTAVRDDIRTLQNGVHVVGTPGRVNDMITRRALRLDS
MRQFFLDEADEMLSRGFKQIYDIFKFLPEQVQVCLFSATMPLDVLEVNTNRFMRPVRIL
VKKDELTLLEGIKQFYIAVDREEWKLETCLDLYETLTITQAI IYCNTRRKVDWLQEEQKR
DFTVSCMHGDMQDQRRERDIIMREFRTGSSRVLITDILLARGIDVQQVSLVINFDLPTNREN
YIHRIGRSGRFRGKGVAINFLTEGDVRYLRDIEQFYTTEITEMPMADVADLI
>comp2949_c0_seq1; 343 616 1367 LEN=1880; translated
MTPSTDTTNNDSVLLALPSARTDSEGRNTNTVREEFEHHQLDNHTCICIFDNDLVVETIF
SFLDARSLLSLCSTAKATHHRSRLRYDHVLRARSARYGADSPGSASPRPPTVSKTRADHHA
LVVEKLVSVFGLGGENENENGXKQKHQEHQESTATTVGPTTHHTDAAAAIGERQEVRTVQ
PQAVPLLRNGGKHGAGPHHPPEPVTRGILLHGVHISTDTNKGFDKNDDDDDKPSRNSKSY
HHHHDDDPID
>comp2950_c0_seq1; 249 122 850 LEN=952; translated
MSRGLFTILYFASVIPSVLGSAKLVPKTSTASCTGHLSDLILTSITCDHSNSGCTYGE
VFVTGQVTSNADLRPLKISVSRTFPSIYIGITQVSSSEVYDLCSSDAISLVDDNSGSSC
PGAGVYNFNFLFDNFGTSKSWYAGWHGFSMGMAVHLKHEGGGSDFATCTLNVSVEGSD
SYATNATLVSFATLGLAGLCVGMFSSKRRKERLFCGENIEDERTKELATNFELVRDSTGA
MV
>comp2951_c0_seq1; 375 100 1001 LEN=1079; translated
MARCTAAFALLFLCLGTTSWAF'TTTNSPLAAVSIARTRRSQTPPVVVLGAGGFWEDEPTD
EQYDQGVENPFKNPELLKAMKKGDDDESGDDENAKTIDPARLLGPRLQGSNLYLVGMMGSG
KSSVGDKLARRMGSYKFLDTDEIIEKATKLTINEIFESEGEEGFRDVESQVLDTVHAYVR
CVVSTGGGLVCKPKNWGLQGTGIVVWLDVAPEVILKRVEGNEDRPLLKTKDPLQTLKDLL
EERTPKYNQADLRVEITEDMDEDAVASRIVLDLHNFIDDNXAGVEAREAKAQEEGLDWVQ
>comp2952_c0_seq1; 249 553 1293 LEN=2355; translated
MYHPLPLRFLCSVFIVLVAVNQCCDAQQONPLTMNGGSLAMAGDGCVALAVDKRFGSG
PQMVNIAPRHVWAAHPNMLLAFSGLEGDVQSLSEELQLEVAAKRNRALGFSVGGKIGNE
KGSNDEMERRFRISPPALACLTSHVLYQKRGYYVEPLVVGLMEGTWAPFLCAMDMIGAQ
SFSQSFICSGAASTSLYGTAEALWKPNNMKPKDLLECCGKVFQSGTFTNCSFIKHVFLYYC
CVIDFH
>comp2952_c0_seq2; 256 553 1320 LEN=2224; translated
MYHPLPLRFLCSVFIVLVAVNQCCDAQQONPLTMNGGSLAMAGDGCVALAVDKRFGSG
PQMVNIAPRHVWAAHPNMLLAFSGLEGDVQSLSEELQLEVAAKRNRALGFSVGGKIGNE
KGSNDEMERRFRISPPALACLTSHVLYQKRGYYVEPLVVGLMEGTWAPFLCAMDMIGAQ
SFSQSFICSGAASTSLYGTAEALWKPNNMKPKDLLECCGKVFQSALERDCLSGYGILYLI
TKDGI AEYDFASRND
>comp2953_c0_seq1; 1158 61 2976 LEN=3010; translated
MPLRLDIKKKLSASSERVKSVDLHPTPEPWVLAALYSGNMIWDYESGSLVKSFEVSELPV
RCAKRVARKQWFVAASDDMRFRIFNYNTMEKIKEFEAHADYIRCLEVHPSLPYVLSSSDD
MCIKLWDWDRGFCTQIFEGHAHYVMQVKFNPKDTNTFASASLDRSIKVWGLGSHAPHYT
LEGHERGVNCIDYPSGDKPYILSGADDQTVKIWDYQTKSIVHSLDGHTNNVCAVMFHPK
LPIIASASEDGTVRIWQSTTYRAETTLNYGMERAWALAASPQTNKLAIGFDEGCVCIELG
SDDPVASMDATGKVWATNNDIQTTSVKGLVGSGEDALPDGERLPVPRDLGSCELYPQM
LKHNCNGRFVAVCGDGEFIIYTAQALRNKAFQALDFVWSGNGTGDYCIRESSNSIQTYK
NFKESQTIVPATASADGLFGGTAIGVKGSDGVLFYEWDSGEFIQKIEAIPKDVYWSDSGN
MVLLETEDSAYVLSYNSQQVSQAIAMGQVNPEAGIEGSFELLYEINDTITSGKWVGDCFI

FINGVGRNLNYCVGGQIETLVHLETSAGGQSQHTILGYLAKEDRVYLVDKSLNIVAYKVML
SVLQYQTAVMRGDFDAANQLLPNVPSEYTKVARFLESQGFKEEAFVTTDPDHKFELAL
ELGQTETAHALLLETPTDEDKSTETESKWKRLSDAALKENNELVEAASVASHDYSDLLL
LYSAIGNLAGMETLADAASKDGKTNVAVFVAYLLTGNVEACAELLVATKRLPEAAMFVRTY
LPSKIDEIVALWKQDLSTISETAAEALATPSSNPEQFPDLSIGLQVEQMFLQQREATKLT
GMPGVNYLSAKDDLELNLIELIKARQGAGETKEPEPADVVPAPPQDQAEVGEAEVEQAI
VEDAAAVEAARVSAELAQAEEAERLAAEAAAAEAAAAEAAAAEAAAAEAAAAEAAAAE
DDMADDFGDDW

>comp2954_c0_seq1; 182 77 652 LEN=1186; translated
MGWFDWMYSALASLGLYHKNKILFLGLDNAGKTTLLHMLKENRVQVHVPTLHPNTDELI
IGNIKFKTFDLGGHETARRLWQDYFTTVDGVVYIVDAIDRGRFPEAKQELDALLTTEELQ
DVPFVLVGNKIDMPSSAASEEELKYELGLMDTYGKDKGPDGSGARPIELYMCSVVRMGYA
DGFKWLSQFLS

>comp2954_c0_seq2; 155 616 1077 LEN=1611; translated
MLKENRVQVHVPTLHPNTDELIIGNIKFKTFDLGGHETARRLWQDYFTTVDGVVYIVDAI
DRGRFPEAKQELDALLTTEELQDVPFVLVGNKIDMPSSAASEEELKYELGLMDTYGKDKGP
DGSGARPIELYMCSVVRMGYADGFKWLSQFLS

>comp2955_c0_seq1; 465 329 2124 LEN=2509; translated
MSSKSSSSKSSSSKSSSSPKVYLTPQIEKQAKRRESLCPSSLLEHDHVRLSQSKKGNGL
AAITKSYQTNTKLLNSEVSDLENDQELQFIVDSVQKYLKIVDEKKQKSDLISMFKPKPK
GCTWVLEMPNDVGGATDYMITVVCYAKGEGNGITTFVVDTKLVGKQNDSTTSTTLPGFREA
KGVLEFTALMVRKGVVRCFVPVPEGLKDKSFREIYQLNAREGKNLFFIDCLHANMNGGI
ISEFVSHVFMDSIXLIVAVLMIISPFDLYRNLLVAVASSCDGTSSDCIAAQIWFVLRDG
LPRNTSGNWEKGGDKMVLKDLPPNDAAIYEEVSIMSSLSHPHVPLIDFFEEKDCYFL
VMELMSGGDLFDRIGKKSYSSEEDARDLSLMLKAMAYCHAHKVAHCDMKPKNLLMS
EDNHSYIKVADFGFAAHCHTEKCLTKQCGTFFVVSPEILMRQSYDQQTDMWSVGCIMFLLLS
GNLFPNGRSQKELFRKIVSGKYEYFKEEGWDGVEDAKDLVKLLVLDLDPDERITASQALRH
RWMKASRDRLARITLQGTSQRLKTFNARMKLRSAMIAVEWVAQLKKTSWGSKKVVRD

>comp2955_c0_seq2; 551 329 1912 LEN=2297; translated
MSSKSSSSKSSSSKSSSSPKVYLTPQIEKQAKRRESLCPSSLLEHDHVRLSQSKKGNGL
AAITKSYQTNTKLLNSEVSDLENDQELQFIVDSVQKYLKIVDEKKQKSDLISMFKPKPK
GCTWVLEMPNDVGGATDYMITVVCYAKGEGNGITTFVVDTKLVGKQNDSTTSTTLPGFREA
KGVLEFTALMVRKGVVRCFVPVPEGLKDKSFREIYQLNARLKSFSFATVCRGTHRATGK
KVAIKCVLRKDLPPNDAAIYEEVSIMSSLSHPHVPLIDFFEEKDCYFLVMELMSGGDL
FDRIGKKSYSSEEDARDLSLMLKAMAYCHAHKVAHCDMKPKNLLMS
EDNHSYIKVADFGFAAHCHTEKCLTKQCGTFFVVSPEILMRQSYDQQTDMWSVGCIMFLLLS
GNLFPNGRSQKELFRKIVSGKYEYFKEEGWDGVEDAKDLVKLLVLDLDPDERITASQALRH
RWMKASRDRLARITLQGTSQRLKTFNARMKLRSAMIAVEWVAQLKKTSWGSKKVVRD

>comp2956_c0_seq1; 259 310 1647 LEN=1899; translated
MTVTMTSRFSVSKIVSLAYRTTTLVILLTISCHETFFVTADPEPESRVVGGQNAEVNEYPF
FTSWGASCGATLIHDDILLTAAHCNPVETNQVVVHAYHKGRPSVNSQLRWVERRIHPQY
NVDTWNYDVMLLKLTPVNSVRKVKLNDRDTPPAVLDTVTPPLGLGRIAEVDGAFPEVLQE
VNVRVIQSSKCNQAPMPYQWIEQSMICAGVSGGGQDQACFGDSGGPLLYRDNATDEIQVG
VVSFGTGCARPDKPGVYHRISSSYDWIQEKICEFSSNKPSTCPGVIDPISANPRDTAI
DGNSTQLEESDQPELLQOPEDGEQEQQVNLFTHPENPPPLPLGLCEGDQDSDCAEGLF
CFFKTNGIVQNVPGCEGNDNTSTDFCVDIKYRPEGTTSNPVQRQSIFFSNQKNLRGVSQSG
KLDKQLQPTSRMSGLLKGAFKESIP

>comp2957_c0_seq1; 485 393 1880 LEN=1984; translated
MSVQDIVIRRQQQLLLGRENKLTEDQQRFLQHGASDGIVQSSSSGDNAHAVAPGYCGD
SSP IGLSPNISPPTVITRKALATRPPPPTWPLAATQQQQHQEHRHRDQQWHQHQQEQE
QKRHQLLLQQQYNNHYELHYQLQQQHQQQLQQQKEQRQRQTEHEGDFICLHPRDDTRSR
VRFSTALSVYDHFEDDDNDSNDGSDRATRENHQGGSPLGIINEQTANATASTAAARTLPH
DLFLRRRARRCWYSREELAAIKAERKAIIVRAIRGNARGSDAPGHELRLGLEASLSVGICR
TILLCCATMPLFSSPRMPTGMHKYTKDQCXVAHVPIFFVVFPHRSARNQGGDLPKTQASP
GGGARRATPAANTNASYQFQYEEYQEQHRQPLAPDDEKLRRLASREATEWFRNRALESA
RQDASDAREFYESGANNHDATSMLYESMSSLHGSFALMDIDDGAAGVIFGNENENDNSTL
RYWADSSWTRNLMEE

>comp2957_c0_seq2; 548 393 1730 LEN=1834; translated
MSVQDIVIRRQQQLLLGRENKLTEDQQRFLQHGASDGIVQSSSSGDNAHAVAPGYCGD
SSP IGLSPNISPPTVITRKALATRPPPPTWPLAATQQQQHQEHRHRDQQWHQHQQEQE

QKRHQLLLQQYNNHHYELHYQQLOQQHQQQLQQQKEQQRQRQTEHEGDFICLHPRDDTRSR
 VRFSTALSVYDHFEDDDNDSNDGSDRATRENHQGGSPLGI INEQTANATATAAARTLPH
 DFLRRLRRRARCWYSREELAAIKAERKAIVRAIRGNARGSDAPGHELRGLEASLSPAIKE
 ATYRKRRQVLEVVLEGEQHRQRTQTHPTNSNTTNTTIRSSSTGQPLAPDDEKLRLASREATE
 WFRNRALESARQDASDAREFYESGANNHDATSMLYESMSSLHG SFALMDIDDGAAGVIFG
 NENENDNSTLRYWADSSWTRNLMEE
 >comp2958_c0_seq1; 573 175 1098 LEN=1149; translated
 MHRVLSASALVLAATASAFAPSAQQQQRQAQHAVSTMPLQATKLAALPTIPNPFKSLPWNV
 EKAQKSQERKIKLERSKMHRELGIAQDATYEEIVEVTQRMIEDAPDRKRQIQIEVMKDKI
 LQARLNERLAGLVSDIVSDDAKAQDDESNLEEQAIAEMKDKKAPKEWNA PAWTQGLIVKP
 DQAHIKSQVQI WGVMTLMGVVALPFIQYANRFSWMVCVAQLSFRGMAKQEGGGGGFGVMR
 MGNAFGDKKHLKVAWLLGITITIVGAVATYGLMPAWAKGHRMTPAIAFGMRNFIYGVACS
 YLQPYKG
 >comp2959_c0_seq1; 364 1 328 LEN=555; translated
 XSDDGSDDGSDNGSDNGSNDGNDGSDNGSDDGSDSDSNSDSNSSGNSDDGSDGSDGSD
 GTNDGTNDGSDGSDGSDGSDGSDNSKSGGADASNSDSDSDDDDDASTEP
 >comp2960_c0_seq1; 349 609 1367 LEN=1605; translated
 MXPNGYIGKHLNSAINEVLQNPIDAPKPLAFSILRIPFFLEPGYDEDEKVFVETNRERL
 VKKWGKAGWDNQKRSHDLKGRGLEAGIPYFNLDKASSTMASHRLIQHIGKKYGLATSE
 AVYDKLNVYFVDGHSNDRPRLAQVHVHKLRELILDNAPIEDELLEFLNGDEGKKEISY
 ATHALQQLGIHGIPKFIIEGTTMVDGAARPDTFVHIFREIEKRGTVQSGPIFNDVLGVSD
 ETIQVPSHSLSS
 >comp2961_c0_seq1; 222 79 474 LEN=588; translated
 MGASFSTAGNSSVVSRCDEERRAVDNGANNPPMRRVMTVEERMWQKCKDEPLVPIGCAAT
 AYFLASGIKSFQNDPRRGQKMMRLRVGAQFATLAMFVFYVGLDNINFEIAPQYQRAKKE
 EEERLREQQQ
 >comp2962_c0_seq1; 538 110 1510 LEN=1784; translated
 MPETNPYVDDGEGFSTTMLHHGHKLDTDNRARAPPFQSTSFEFKSSEHGASLFSLSELG
 PIYTRLMNPPTHVLEYKMAKLEGAPCPAHGDCDNATTLPSALAVASGMSAQMHALMTFMQ
 AGDNFVTASELYGGSFTQFAYSFKHIGIEARFANVSDLDQVKS LIDDKTKAIYIETLANP
 SGTIPDFDAIKEIATEAKIPIVCDNTFGMGGYACRPLKLGADIVVESATKWIGGHGTSIG
 GIIVDGSSFDWCVNADGSLKFLIGGPQESYHGGVFAEHPIFGVKATNTVFILLARVKT
 LRDMGGCISPFNAWQLIQGIETLSLRAKAHCENANELALWLSTHPKVKEG SVLHPSLPSH
 PSHEKAKKYFRPGCFGSVFCFELKGEDPDDEKAKGSSFVTNLKMC AHLANVGD SRTLVIQ
 PSATTHQQLNADQAAAAGIKPASIRVSVGYEDLEDIKADFEQAFNA
 >comp2963_c0_seq1; 284 1 1020 LEN=1020; translated
 PFRSSIASIAHG VANHLPNANSSRASGILLTDTWKTASDGQATNADQQELPALASPDDLK
 DIRNHAVKRALMALKTALKLFAENGT KPDDLALQSARLSFAYMSLEDNDFKTALKYSMLV
 LTHSKPDEPGTKGDGEEDPSESARRILIKRQAATARMYASEANASLGDPMAMKVLVGDG
 KDDAFDRLSSDLGGVTLGMASANHNAKARLAKAQTMVRC SASAATAALGNLTASKQLAMS
 AQAMENSYSSSREGTSQARKALIYCM LREGNHGAALNXAAVGPLRAANPSVYPSIHP SVH
 SSKGRVRRTPGELVNLATEWDPRTAWLHLGNKRRKKKAKAX
 >comp2964_c0_seq1; 336 121 978 LEN=1307; translated
 MLAQHS SHSPTTSMSSLLLT EFFLTCEVSTATASESTSTMPIHAQYGLRHQPWTS AVDS
 SSTSFWSDFPLIVHDEEYNSDVNGLFHASKTVTPMDCPGFPLHMTSTTSSTSSSTSI
 PTKNMKKKRSVRFAFPVEIRTHSQILGDHPCCEGLALELGWEYNSSSALLPEQIVRNVE
 KKDCQQSQFKIIGRSSSGESMTGTRIPHRRSYSERKRLLIEVGGYTSDELNMKDPKEYC
 LVGRNCSDQKKNSTNGMTAVLQRQTHLSRVGSITESLCSVVAAGA
 >comp2965_c0_seq1; 283 748 1308 LEN=1449; translated
 MDPKYQPEYQAIVD RYPGRLEFANPGEERQGSVENGLNKL VEMSEGKCKYVAVHDSARPL
 VTIGEICDVVRDAKEHGAAVLGVPCKATIKESEDGSFVQRTIERSRLWEVHTPQVIL IEN
 LLKGFKKVAEENLEVTDDVSIEQLGEAVKLRGEYTNLKITTPEDMDVAEAILED RKSK
 PVNMLA
 >comp2965_c0_seq2; 364 227 1123 LEN=1264; translated
 MKFLFHLSTLVLLKSCVSSAFVCNPQRIASATTRL SAANGDVDFDTPEMGDVGFVLLAGG
 TGSRMKASMPKQYLPLRGVPVLHHS LDFLEKLVHDCKSSGDSSPPENVVLVMDPKYQPE
 YQAIVD RYPGRLEFANPGEERQGSVENGLNKL VEMSEGKCKYVAVHDSARPLVTIGEICD
 VVRDAKEHGAAVLGVPCKATIKESEDGSFVQRTIERSRLWEVHTPQVIL IENLLKGFKKV
 AEENLEVTDDVSIEQLGEAVKLRGEYTNLKITTPEDMDVAEAILED RKSKPVNMLA
 >comp2966_c0_seq1; 250 273 1344 LEN=1643; translated

MGQHPHGS DGIRIRNGPATKSKINVCSNVLVPMQVFPFLNRTRKKMASRRELINCFELVP
PRKP E E I D A P E T P F E S N Q V M P N T G G C N A K V R S T Q K K I E N V L V E F R S V G I S Q I P K D R L C E L
T G Y K C T S T K T W A T A F K V A K E E G S I Q V F R S N R E V M V Q I S D C P K S L M L N P N N I E A L L R R Y S K
E L K I Q Q T T F D V F D V L L G L G I G R Y I D K S R L A D A V N R N I A T K S F V N S C K L F Q S L G M L E T R R V
G Q R G N S T S Y R L V Q S L L S R D G A T A D A S V A I G T K P Q G N I F T N S T T F K E V S S P P M K C E I P S V T
V N G T R L R G D K N P L L C H R D R D Q G T E D L V E P N S N S P S Q R T D G I A D D E T S N Y E R I V T F
>comp2967_c0_seq1; 204 1 926 LEN=1321; translated
X I S T M Q T Q I S K E T D N L I D T Q D G W Y G R N D P R P L T R G K R I F I R T I L I V L S P I V L A L F L L Y V A
F T A A L L C V V T V N D Y Q I K S S K V L S Y E N W W R A P G K M L R V K E T G D S S S D I V I S A D M V N D D G E L
D T G K N T S L R K S I E C T L G E H L R K G P H G P G I A A D E D R D R P H Y L L H G W P E P F D P A G D E L W C T H
A R T A T W A A I Y S W S V R L R P G G F L K N W N Q A I D L E T A P E V F G Y V Y L F E I G N P D F Y D K D R I A R V
G A L A A N A P D H T P E T E N K V F A R Y N Y G H V K Y M G D F P E G D P D A Y V F K G E K V M S E A R L R L L H T Y
R V I N P N Y A
>comp2968_c0_seq1; 650 112 2019 LEN=2558; translated
M D K D L E V Q I L A T K R L D D P A S P R S Y G A M S D T N D F G H G V P N A T G D R K Q A T R M T T G A I N S E G P
Q F L S D E V L R P P T N K K C R H Y V Q I D D A I E Q I G I G A F Q Y Q V L L A A G L C F M S D A M E V L L L S F L S
T V L K Y E W A L S E R E V D S I V A V V F A G S L L G T L V L G L A A D K W G R R P I F A V T S F I I A L S G I A T A
F C R N Y L E V V T A R F F V G F G V G G L T V P F D T L S E C L P T A S R G K N L L Y I E F F W T I G T L S V P M L A
Y L T L D T S T K N D D E T N W Q L F V I L C S I P C F A S T I L G M V L V P E S P R W L L E Q C S D R P E D E S G S E
K A L K I L K D A A R K N G I S Q N V I D E G L F P P T S R L V I S W D D V A S I E K V L S P I Q A G N G D N K S Y P T
S E T P V Q S S A G A G D I S T L F S T P S Q T R L T L L L W A T W F G N G F L Y Y G V I I A V S I A F T N E R I E E Q
D D F Y V V N D D T G G N G N D D T N S S M S T S Y S F D F A A I F I T A S S E I F G L V A V L S T V D R F G R I P S Q
T M S Y R I G G I A T F V M G L Y G A I A F A A N D N Q Y H R S L L I S L A F V A R M A M M G G S C T T W V S T S E I L
T T D I R T T G H G T A N A M G R L G G F T C P Y F I T E G N S L A L I G V F V L F I S V V T A E C A K R L P E T A G K
A M G D I K I E S T I E S P V S K D N V D C Q Q R A A T T Y Y R D L S
>comp2968_c0_seq2; 226 112 709 LEN=877; translated
M D K D L E V Q I L A T K R L D D P A S P R S Y G A M S D T N D F G H G V P N A T G D R K Q A T R M T T G A I N S E G P
Q F L S D E V L R P P T N K K C R H Y V Q I D D A I E Q I G I G A F Q Y Q V L L A A G L C F M S D A M E V L L L S F L S
T V L K Y E W A L S E R E V D S I V A V V F A G S L L G T L V L G L A A D K W G R R P I F A V T S F I I A L S G I A T A
F C R N Y L E V V T D D S S L D L V
>comp2969_c0_seq1; 485 45 1418 LEN=1705; translated
M V R T R S D D N T V S Y N S D G A G G A A C R P P R G K T Y L T I G Q D F F S V E E Y V L S Q Y N A S L H R P D G H N
V Y S E V G N S R R Q A P I L P L P Y F Y P A A T M V Y T D I H E L K G L D Q P A D Y G S G I E Y V K G L A D A F P E S
G L Q I G L W L N G S A G C R D I V S G V L D D Q T Y R L F D F I R S E L P E S L P R V F L R V G Y E F D N P W F G Y S
D D P A A Y Q E A F R K I V H A C E R Q M T T K Q C H E K V D F V W H S W A A P R E D T L S L D Q F Y P G D Y F V D W V
G V S I F Q Q V Y P W A N D E K Q N E K G N F A G G D M K E V K E V L E F A T S K G I P I M I A E S T P F G G M D V A E
S D V A R Q Y I K D D A N K D D V W N M W F Q K T I D L I E E F D I S M W S Y I N C D W G S Q P M W H G V G F G D T R I
S S S K V M K R W W E Q V L S N D S R F L V R I E D C N E N S R P R G H I R E E D E M A V A R S A T T A I D G L F H S
D G S V N Y M T S N P R C L Q L L C I G G V L L V T V A F L F L L Q I R L W
>comp2970_c0_seq1; 134 1 1163 LEN=1611; translated
X L D T A S S E Y R A S E T L L L C V A F L N K I W L E L H R V L I A I T Y S P L F T H P A S K I M R N K T P P T T T A
V P F P G V G W I D R M S K N D P D A S I T L A D G R T Y Q N A Y A A I L D N D P L G N P C R N F N A W V N S I F F S S
N V A A W F V H L L N D N V E Y A H Y L L C Y L R N F I A G M F V Y Y G T A G S F H Y F C Y V H P M S K K T F E E Q G R
T R P S W E T I K G Q I K L S Q A S L T I Y T M L P V F D E W M I E S G L T K V Y F T V D E I G G W L P H V G I M A F Y
F A C V E I G I Y W M H R T L H T N K F L Y K H I H L K H H D Y N K P E T L T P W A S I A F H P L D G I L Q A S P Y V Y
L L P F I P C H Y M T H I C M V F F T A I W A T Y I H D A M D W N V D P I M G S K Y H T V H H T H Y I Y N Y G Q I F T F
C D R F W G T L K L P D G P T G M Q K P R T A K K V D
>comp2970_c0_seq2; 236 246 1376 LEN=1824; translated
M V F S V S R Q T A E L S L L V S F A A F T V C C A G L F E R N N E T L M A D E T S G G L D T A S I P F P G V G W I D R
M S K N D P D A S I T L A D G R T Y Q N A Y A A I L D N D P L G N P C R N F N A W V N S I F F S S N V A A W F V H L L N
D N V E Y A H Y L L C Y L R N F I A G M F V Y Y G T A G S F H Y F C Y V H P M S K K T F E E Q G R T R P S W E T I K G Q
I K L S Q A S L T I Y T M L P V F D E W M I E S G L T K V Y F T V D E I G G W L P H V G I M A F Y F A C V E I G I Y W M
H R T L H T N K F L Y K H I H L K H H D Y N K P E T L T P W A S I A F H P L D G I L Q A S P Y V Y L L P F I P C H Y M T
H I C M V F F T A I W A T Y I H D A M D W N V D P I M G S K Y H T V H H T H Y I Y N Y G Q I F T F C D R F W G T L K L P
D G P T G M Q K P R T A K K V D
>comp2971_c0_seq1; 341 59 1165 LEN=1833; translated
M T K T L P I I V G A G P C G L V T A L T L K K Y N V P F V M I E K A S R S K I C S N A G S G F E L A P T A V D I L Q
N R L G I D V T K I M S Y Y Q G M A I V N N G K L I R H S R I P D G Y T G G S A N R A D M Q I H L L D Q L F P S P K D
E E G V L F C G S G L E T Y R E L H N D D P D G G R V V A T L S S G E E I S G C V L L A C D G I R S R V R A V M H G G Y
D S T K D W K T N T E T A N T K D P L H F C N T I V Y W G K T K V P R G S A L E L E F T K T Q M A K K A K D N E K T K Y

CTSFAFTITTPSAPASFFIIPSONGTELNWAVSVQSETDKRSKNNDGTDLTRRGGGPLTE
AEKKRLFDFTSKDNSESVVRGITNFPLIQELFKMTPASDITEAGLFDRENLDLPYASESK
RVALLGGK

>comp2971_c0_seq2; 451 59 1543 LEN=1732; translated
MTKTLPIIIVGAGPCGLVTALTLKKNVFPVMIKASRSKICSNAGSGFELAPTAVDILQ
NRLGIDVTKIMSYYQGMIVNNGKLIHRSRIPDGYTGGSANRADMQIHLLDQLFPPSPKD
EEGVLFCGSGLETYRELHNDPDGGRVVATLSSGEEISGCVLLACDGIRSRVRAVMHGGY
DSTKDWKTNTETANTKDPHFHCNTIVYWGKTKVPRGSALELEFTKTQMAKKAKDNEKTKY
CTSFAFTITTPSAPASFFIIPSONGTELNWAVSVQSETDKRSKNNDGTDLTRRGGGPLTE
AEKKRLFDFTSKDNSESVVRGITNFPLIQELFKMTPASDITEAGLFDRENLDLPYASESK
RVALLGDSAHQPPTFLGQGVNMAIVDAYVYATNLAVALKTKKKSLEQSI SDCTTGNRHGE
AKKLVEDARIGCTMMTSQNIFLYWFMFLFIRLASTSSFMNQIISQDKSNSDFLKLLEDEEH
CSPKEQESMSQMSA

>comp2972_c0_seq1; 89 1 263 LEN=263; translated
XEDNTNYVANQEILRQSEVGLAAKSGEDLAAPITFTPYKSEDHTNYVANQGKLRSEVGD
AVKSGEDLAAPITFTPYKNEDHSNYVAN

>comp2973_c0_seq1; 909 81 2192 LEN=2231; translated
MVFVPMNASDAKAI RHLTLATQRSVAPPRSETPRANANNAPYRYRDEFDDYDDSDDER
DFRDLSHYCSIDPKTGRVTELWLGIGSQNANHPQHTTAQGAAAAGNYWTLSEADWQWL
ARLDQLRHLKVTRCGALPYRQLKELPHLEHISCSECGTNLDPLGAGDTDEDGEDGDGGDD
DEGETIADDDTPPCRSRWNPPQTD SHRNTGIDL PNIKSLSLRCAFQPTAQGIRSLGVSFV
WIKHHLPGLERLTIWRLDQPPNRWSP TPLSAYQRTTNKRLMVEALLDGLSPLSPGATKDA
DACTKSNAWSNRVTLELNRCLTSSDFRRLVLDILPGSF PFLQRLSLASNDIDELPPLK
HPNACPNYHQEPERNCFHKY EYECETE CDDPTFSRTKQKLCRLRRSLQQIHLSNNPIMEF
LGKHGDEDPLPLSREQMEGTSWSFPEERTPGRESGTQPRKHTLEQRRKRLHLRLLLESVDE
NHTTATEPSLPAVLERRVRLVELEHLRDLLELFPRLSHLGYASCVHKLRLSVVGDVVVD
HNNDGNGNGNDETENRWCVLLPFGLYAMD LQRQIEFYLRFNRRGRRRLVEGIGCEPRAQRN
EERRDDGDDDDKNHGNAGRRLLEFLALWPNILEWSYRTSSGGCFLMPLPPLSSSSSHAGSA
AQAAQHAVSTPTHHSAAFSNKNATALYRLLREGPVLFSSSERH

>comp2976_c0_seq1; 416 243 1136 LEN=1547; translated
MIRNSGMDLIIDGWFHERGVLWPGQAMSLKVKKVLVDHYRTDFQDLLVFESENHGNVLDG
GVIQVTERDEHAYQEMIAHIPLFAHPNPKKVLVIGGGDGGVLEVARHPGV E EIVECEID
EGV I IASKKHLPSLAVGYDDPRVTVKIMDGAKFMDENQDAFDV IITDSSDPVGPASVLF E
TPFYNAMYKSLREGGIVCTQGE CMWLHLDLIKPLVDSISQTFSSVEYAYTTIPTYPSGQI
GFILATKGRKTCKVPEREADMTPELQKCLKYYTPALHRASFVLP AFTQRAIFGEDTV

>comp2976_c0_seq2; 421 37 927 LEN=1338; translated
MGLNGMDLIIDGWFHERGVLWPGQAMSLKVKKVLVDHYRTDFQDLLVFESENHGNVLDG
VIQVTERDEHAYQEMIAHIPLFAHPNPKKVLVIGGGDGGVLEVARHPGV E EIVECEIDE
GV I IASKKHLPSLAVGYDDPRVTVKIMDGAKFMDENQDAFDV IITDSSDPVGPASVLF E T
PFY NAMYKSLREGGIVCTQGE CMWLHLDLIKPLVDSISQTFSSVEYAYTTIPTYPSGQIG
FILATKGRKTCKVPEREADMTPELQKCLKYYTPALHRASFVLP AFTQRAIFGEDTV

>comp2977_c0_seq1; 127 1 1075 LEN=1144; translated
XDREMERLEVAHNRRAVAILDRGVFALEMACHVLTVAHFCHIWSLNGVQFTLIDGVLALHL
HSAISSACTKLARRRN VHN IARDLQGRFPNATDEELDKASAAGDVCCICLGSMTTGGSVK
KLRCGHLYHTHCLREVI ERAQNLSARCPLCREPLLD RPQPQGDPPPADAETDNARATA
TATANPEPPRAGGADPARRPAAEAGGGGDPARGEGERALFRFSTEGILPVWVPVPAFSF
EVVRRPPNGTQGAGPLRN E PAAAE PRAQAPGTGAGDLANALGRQQQHEHEPSFLQRVLAL
AGLVPMSP EEEARALEQLVDMFPQYDRQDLLGELRDRGSI EAVTESILMGI FRGVPRS

>comp2978_c0_seq1; 641 1 1408 LEN=1408; translated
XILERRAEEERLRKAREAEDDR LRAVREAAAERDRAEQERAAVLERETEKEQAATRDR
EARAAETERRRREREAAAKKATEYIDKAKKLVGQLVQVRASVEPFEKNKTVGKRRRLGMKK
MANGKVNTLNDNPSKIREVATQISTAI AAYEQEDGQIKTQLQQGAPGLTSDMAVGRRYFV
DLLASTAMKRVAESFGGTKGDGFPLAAMLAMVSVESKQIISVLA AHIYTVCPVAIPTLP
APRDNASEDDLMI GLGMQRNQKTGEFETFP RFLARTENIVSFVAALQSSLPSSHQLMGGH
AGAMLWLRKFIDLPLPPTSPLPLTTAPVLGAF LTVAGHMMANAHADDFRTMLATI QNDV
MNRLEDEGELGKPSAIRLKGKVV EGGFDSFRKNLPPKAVPELYYGASEHSHKKEGVVSGGT
IGGEEDVQPKK PQMQQPPQNPFGGGVSFGG P SSTGGNPNTFSGGGG

>comp2980_c0_seq1; 175 91 579 LEN=634; translated
MKFVVL LLSLTVNAFSGSGSKKASPAATSPLPTFDKNTGKWS PAPANAE EPYGIGRTLL
GNGPVP AFTRLTQSEDIYMQAVYKFQASEKCTVRYAQGNM DAYFENPN DWAYQRKVEESGG

YKKKYGEP I P Q K Q V I L T V V W G V G I T G L L G K G L L T F V S Y K L G N
>comp2980_c0_seq2; 203 91 624 LEN=860; translated
MKFVVLLLSTLSLVNAFGSFGSKKASPAATSPLPTFDKNTGKWSPAPNAEPEPYGIGRTLL
GNPVPFAFTRLTQSEDMQAVYKFQASEKCTVRYAQGNMDAYFENPNDDWAYQRKVEESGG
YKKKYGEP I P Q K Q V I L T V V W G V G I T G L L G K G L L T F T S G D F C L S E A N A A T N Y C K V F F S
>comp2981_c0_seq1; 545 57 1052 LEN=1718; translated
MPVVGSMALGAALIFTI AVGI AVL P I P N Y A F T P A V Y Q Y K S D R T L M Q I N F K N D K L V T G K N F
ELSARDTIFSLVEEDDGNDDNIENPDIDDIADLLADKEFLENNVKTDDGKDSKSKKIGDPL
REDNGVRPSIHPTAINAIVDALKARAEQSKQEMDDDDDDTMHFRATETVEPLMVMVTAGQ
FASDAIQKRQESSEADGMLMTQDEEQTLAGRIMGVIMRLDALEEEEAERVSGVEWIGKYD
EWGNFGVLSDEHQNNLARDSDSGDDGLADVHAKILDDPLFCMNRAECLLAI FLQEVEI P Q
LEK L K E T V P D G S K I D F L D Q D R L E V V V G S D K S
>comp2984_c0_seq1; 232 1 1875 LEN=1968; translated
XMMADYEQIATFPSLPPHAITVEQQRVLEPLSYPKSIDTRTSHSRQVVALLQDLHQSIPT
PERWQSLQRALNLVSHDVTTELHDYEISLGLDKALCLKLGYVVVTTKSNCASKEVTLICSC
LLQIFKCSSKNRLRSFHHIGATELLPILIQFCIGI IKCKIDMEDQSPEHDDGLVSVIRVL
RVF SK L I P A K S F L I N Y L Q G A Y L G H L L R D M L I W I D D P A S S I I Y S S T E V L W E A I G V L K D L T F
RSQTNDKETLLHLEGGVLLKILSICCGGIKASHPRIQEWCTAVIWNLALDPQICRKL VFG
NDTHESGGNVILDGLLEVLTHYSADSKISGYSLKIKRNAMSAIGNSFGFPELFD S F Q K K M
QDKSSEILQRLMSLVQNDSDSVRRRAMRTIRCLASSGVNDTILLRDLSSLLVDIISQKG
SENDEDEDMHVQVCQTIIILKETIDAKIWPRLQKSLVCRIETTTSIKIIISAAIVCLSNC
FSDEHSIQNWDGFSDFWTSLERTTTANLEAHESVSKLLLGIANNEGNIRDAGDRGIRNP
SILTKTAVVNTLTITILLESECNREEPRNQALQTVQILAGNEINKRPLAENDRLLSGLVTL
CLTQPDPGIKDSAKGVILQLVPEL
>comp2985_c0_seq1; 333 171 986 LEN=1007; translated
MTTKNWL L L A C A L R I Q G G N G F T Q T K L V H V N S G V D N F V L R A S L T N D Y G K S C S R R S W L A D A C
RTIGVATASVAIGTSVKPEKAQATEEQFNPDPEFKEIYNNPATPPAPEERSGLVVLVA
EVSQFQEKILRAIVSGELKDVMSPMQFAFGTQILLRNSNL DGNMRLMIQEEV PKQKRDS
ARKNAANVMNTLQDI AKYSASIQRDFEPELMEVELADMYKVVRI NLNELYEYLPEKEREKY
YGYFVAVTEYEKKVANGTYNPDIDGV L K F D N
>comp2986_c0_seq1; 22 1 276 LEN=276; translated
XSSNNNSNSNNTLRVLFSGAGPSSPEEIQRALVEGPRTESGNALARL F Q H L G G N P V A A L
AEV P D A T E E A E R E V L A A S R N I T K R I R S N R I E S
>comp2987_c0_seq1; 268 1 669 LEN=1176; translated
NLCSVISDYNNLYGQFLAEIGETLSLPTSVEMYRPTSRPLETPLETSQPTSRPSETPLEA
SRPTSRR A E T L T E T L S E T P X V D E V S T D V S T N V S T N V L T N V L T N V L T D V Y Q N V D T A T A T L S
DDLMTFRPTL K P T L E P Q L R L Q L Q L Q L Q P P P Q P Q L Q P Q Q Q S L D D V W T V V G P M S V E
NFKPTDESTVELIDLGTDEPNQQLIEEPTDPGTEEPTNQTR
>comp2988_c0_seq1; 300 163 564 LEN=1226; translated
MKTSFLAVAMLCVSYIHASVVI E G D S V R S V G K P Y Y R F E A S S H E D R N L K E R N L K K S K G D K
SKKKGKSKSNKGAKSDKSKKSKKGVTEEPSAAPS A A P S A P S A P S A P T A A P T G A P T G S T T
VSSTATSSQEGST
>comp2989_c0_seq1; 323 80 1390 LEN=1872; translated
MDCNQGIYLERLLQQQLCQRKNGNNINSTVNKNISDGNS SFGNCSAPSGFIATNTTSIGV
SNTGIGLGMHQQH F Q N R M I A F L K E R Q Q R Q L V A N G I I C A P C D M T S N P S I P G L S N I A G L G
HQLVGRDCGGIGQTIPTISALIDGISSGGRGARNVRGLGNRGFLYPSTEQDFLSSSNPYTA
VGEITGEHNTKLR SN G S V G A G S L N S S M G G L S Q F S I Q H Q A L T Q A A L N S Y Q K A N E K R L T D V I
LAKQAQVAFLEAAQVHPRTIRLPCGARGMKADHNSSTAFFDI PENARHGQHLLCSHSVC
RAAGVKFRYCFYCKKPVTKQNFRRHLHANLDPNNKEAERKPIDKLKEENKSKTEICQSK
ESNANMPSTYKATTKPQIAVSESNVSKSLGDKNSIDSSPALPSIKRKKKEENS R S T E A
ERAQKIPKLLLSELGP
>comp2991_c1_seq1; 148 10 705 LEN=1774; translated
MVSSEGIAEAFSRTGMAPLGDPSGPCSDLRRNLVLSGISAEALNAMVGHEVAIGREGRVF
VHRRCPCRYREAACKRSGLTNNLWGVSGISCEVLPPRSKTAPGGTTIQVGDEVAVVPGT
HAPDRIDVGRTKPGSFVRPADRSAEDVKKSITPPYIAALASLWDPEGFARVEAAHNSVGL
RFWTP E A Y Q V G L L A A A L R V P L M L L L A L V A G S A L A G L G V L L L R S G G R E A G E L
>comp2992_c0_seq1; 133 1 473 LEN=473; translated
XKRKDYKGRGEGKGYKAKVEGKGYGVKGRKDSNGTKGNNKGSKAKTDLTEEGSDHS
KGNANKSTKRSDKNKNDKDRHLYQYDSGMNSRKTITITEEGEKGNIDEMIDQIIQAYFRA
SCEPTQSPTQATLPPSETINPQPDFPTKSSIPSVAPT V

>comp2993_c0_seq1; 376 1 1999 LEN=2066; translated
XLINKIKVLVGLKAYSTALHQELDLGTSLNVAIDCSSNFATKVLPHRYFENAAIMLSDTY
LLLNNVATTSTRILSLKTVRLLLVFATHLLLLLTDAAASRHGQRPHRNHHNLRNNYRSTPQ
EKLLDSDISNPPILEALRAKGTVTSWGAAGPGVIATIMCRGGS IATKMPRSSKQGGKNISVS
TDMDGDSPSLLLILIRVMFFSYASLGSLLPYLPVYYHSLGHGGQVIGMLGAIKPF TTFVLV
APLWGIISDQTGSPFTVLYFTFLVSLVGQLAVSWRHDPFWIMSMVFITAFFNAPVKSLID
SMVMSNIKNGKLYGRLRLWGQLGFGVGSVVGLLILSKSQQAQQQREVIGDGTITTAAILG
GSGTMMEKIDQIWQKITGYKLLFFTHALLSIPTLICIRAFHRMTTKDTAAAVEKPPKGAS
KKKGRASKSENKPNVLEGIRVLFHNSDALLFFFLVLVVGVS SVGIENFAYVRLREVGGT
GKEMGLSRLVSSMAGAPMFWFSGPLTELLGADRVLALSLGNYVLRVFNAYAFMQSPLQGLP
AEALRGATFAAFWSTCTIYASRIAPPGMATMLMLLNAMYGGLGQSLGAIIGGKLQSKLG
TVRTFIYAGAFDACFVLLLIGYQVLEKVVASRTPKPS SPCKERVLGRLTGRDFEDDRDAR
KYIVT

>comp2994_c0_seq1; 477 173 900 LEN=900; translated
MASIAGVLICTVGF TDAFSAKQQSPLLSSTR LGLIPPPGSGYAGPEEEIDVMPD TYEPM
EYPGTM RGPRTPENMPFHDLPIGDDDPDPVPWPHFQQIEWHHRWAPPHPHPTMEEFIEQ
QGRWATPEMEAEMRTGSRRASRTRREMEEEQKRDTLIMDDDEDDDDFVDDFPQELGEGMF
GQLGSTDDAKITADAVSPDRMNDK KSKDDDDDDADDDAGLDDFLLDLGLDSLGD DDD
DDX

>comp2996_c0_seq1; 393 1 1575 LEN=1686; translated
AFLYTGTTNMVASAQESDRGTTDKPRTAEMMMGAMRMSTYVIGIGLSLLFAFARPLLRAI
IGNDAIGPAVFASAMRYVRIRALGMPAAA ILGSTQAACLGMQDVRSPLYVLA AAAAVNLF
GDALFVGHSHPLIGGTAGAAWATVLSQYAAVALFVRWLCGRAPEEREADVDSGPEVMNLS
SAILEITNPGERDSNSNARGGHR TDRRQRFRAALESFKLAARRKKT PVPGRSEARRSPLR
RLLPGRTAEKTSSGSGNESGLSFSTRGFLRNRFSAADLLRPPGAETRREFAPYVVPVTTT
QVGRVSGYIAMAHVVASSLGTVMGAAQVVVVSIFYCLCP IADSLSLTAQSFVPAVSE
RDPGPEKASAMGTVLANFLKAGLVFGAAMVA AVGAIPLLAGWFTSDPSVVALVRSV
VPLLLVFGVHGLVCGSEGVLGRKDLGFLGKMYAAFFVAVPYFMMGVKRRALAGAAGL
SSVWTVFVGYQLARCGI WVARACALQARTRRSAAATAVRPFASEPESNKLAP

>comp3000_c0_seq1; 267 345 764 LEN=1057; translated
MKFSAIVALTTLATASAFAPTSSPKTSV VSLNAEAEQSRKAFFSVAGAALFGAAVAPGVA
GAMDQDNVSTPTEVWEVKGPKADVNERFARYQNARNQNN SNFPPIKRLTLERKSPVTRL
DLNAPNFEGYKKSYPGLFK

>comp3000_c0_seq2; 223 1 443 LEN=736; translated
XAFEI IDKMFSAIVALTTLATASAFAPTSSPKTSV VSLNAEAEQSRKAFFSVAGAALFG
AAVAPGVAGAMDQDNVSTPTEVWEVKGPKADVNERFARYQNARNQNN SNFPPIKRLTLE
RKSPVTRLDLNAPNFEGYKKSYPGLFK

>comp3002_c0_seq1; 385 1 1500 LEN=1518; translated
KTTAEDSAVSRILRLVEEAQSNRSPT EMMVDSFARSYTPFVVGAAAIMCTIPWYFGTETG
RMWTLRGLIIVVIACPCALTI STPVTYAAGLAATAKRGVIVKGGAKLEAMGSVDRV VFDK
TGTLTRGQFSVTHLEVVRSRTRRQMLELLSLVQDRASHPIAASLVRAAKSEGVRTPKQT
AVSDHKILKGEGITARVDGKLQVYVGNQRLFERLGMRLGLSSEDKDAIEEWDDTGGTVGF
IGIENDGIIGMFCAKDSVREEAGDALDELKEAL IETYMCTGSDTTARAVSKEVGI PGHR
VQSRLLPEDKLR FVEGLRRPEP SKFGLCRKKKYVLF CGDGVNDAPALAAVDIGVSMGEGA
AMALEMSDVTLMDSNLTKLPYVIKMGQRVLKTVKENIVISFAAKFAVVS LTLAGKMTLLY
AIASDVGIMLLVTLNGMKLLPNDRFDLVPPKQSRRRGGT IASRLAKLKLGLGKNAGFELVS
MNNTDDEPPEDLRVAGIV

>comp3003_c0_seq1; 460 1 1416 LEN=1508; translated
YALDGDHVVKALAGV FYDVI GWNPSDDGDGDENGSESAHGNSNGADGNENGGDEENSSGA
ENDDEPRFSPREAWKGLTRRGRWRERFCRASLGRGNLPAESARCLEAVLTILRNLSFVS
ANLRL LAYSNDILSILVGCLYEPNQGDAGDDGSNGIVLSALGILINLSPHLDVTRGRKLF
CDKLF LRSTAQGAPPEDGAKLPDPSTFGQVVNGSWGFGSLLLAKKLDTKEDYVQDIDKEM
LLQVTKEYLVRVWAI FPAALGSVLVDTRTPRAVVTMALELLQEFINQARVGVIGSVEDQDP
DEIPNTRAILVYIPDDLARLSDFLYI PRLGSDAIEYVDPRTIVTRVNP IKLTVGYDGS
VDTDVRDRALEVLVPLLELDSPIAGRFGTKPGG SGLPNNKVFD AIFPILSTQSGRNEAP
LLATQLLRELSKARENRLGCLYLQERIVALASKEPRVAHLAFNHLYASEED

>comp3006_c0_seq1; 395 116 964 LEN=1159; translated
MMASRLPTMFRKNGLPAAAAFAAASAASASV TLLDEEDVHAPHYPWRHQGYFSSFDHA
ALRRGYQVYREVCASCHSLHYIRFREL VGVTHTKEEVKQAMMDVDVLDGPN DQGEMFERP
GKPYDVIPSPYPNKEAGRAANGGAYPPDLSLMVKARHNGADYV FALLTG YCDPPAGKEMM

PGLHYNPYFPGGAISMPPPLNDGGVEYEDGTEATISQQARDIAQFLSWTAEPESEERKKN
ACKYMVVLAFMALSVGYKRWKWAFLKTRQIAYVKGVGGAH
>comp3006_c0_seq2; 314 1 1330 LEN=1525; translated
AAAPIPIPTPTRHQHCNNPNPRTETRTKPHGEEDQIQDDGLSITNNGELGKSFRPTESA
ERERRTRDWRQGEVPMPTPSDDARRTESRGILESLWNLTLGMDWLRFSVCLRNLSRSLR
VPLCVSVSPFTKLGCI RFPVCLCLGPLESESPFRSVPCCPVLRCIAPLRQFRKNGLPAAAA
AFAAASAASASVTLLDEEDVVHAPHYPWRHQGYFSSFDHAALRRGYQVYREVCASCHSLH
YIRFRELVGVTHTKEEVKQMAMVDVLDGPNQDQEMFERPGKPYDVIPSPYPNKEAGRAA
NGGAYPPDL SLMVKARHNGADYVFALLTGYCDPPAGKEMMPGLHYNPYFPGGAISMPPPL
NDGGVEYEDGTEATISQQARDIAQFLSWTAEPESEERKKNACKYMVVLAFMALSVGYKRWKWAFLKTRQIAYVKGVGGAH
>comp3008_c0_seq1; 128 1 742 LEN=990; translated
XKRIDYVLALVNNCVSILNSYPHSFSTFATVPYFDTNKKQQMQDHTARITTLTALCAFWA
ALFAPSHVTSLQFGHNRI RSDFHGKDSSATQSAAIPKSECAISSRRNILTAAASGLAWMA
CVGGALPAKAATATETTSIETNEITATKSNFNFDLGSSDCETSCVLNCELQKNGKNGGK
SSEGCLDSCVRSQRYCHQVASTSDSPSASEAPTSRYTTTTTKEPRIQSAKPIPLKYNNSN
RGGAWRD
>comp3011_c0_seq1; 357 438 1823 LEN=2306; translated
MIADSHRVMEGWSTTGFKTSSKENAVAIENLVKRLVDEAEAGNSNANPTTKDYNCMLESW
ARSGEGVHAAERCEEILVQMQA EYESGASSAQIRPNLSSFKIVLQAWKHAGGKLLSSFRA
QRILDWMSLHESGKNSLAQPDQMCFTVLSWSRNNHEEAPVYAERLLAKMETMKLEST
AIVPLVQPRTLSFNAVLGAWNRASLTSPLESFAFASQPSSTSWQRSCDILEFMKLYYV
EGNSMVEPDRVSYSLVLRTLARHKNDRAAPKADKILRFIEKSRNGELSWRPDTLLFNT
VMGCWSSHLSKGSYRKTGRGILDRQIHLFTSFDGKVGSDDCRPDVYGFTTVLSSCALERAN
GEEKAKAFNVARSTYQQLITNKDEY GAPNHVTYGTMLKCVSNLLPADHPQRKKWTKKVFN
QAVANGCVGGMVLSRLSEAASSAKEYKALMRGHSSKKKLPAGW
>comp3012_c0_seq2; 90 1 523 LEN=1028; translated
XRSASHSPGSGAALTPVPARGLARGLALDSTGPAPVPPSRVSGATAAVPLPLXVRVCVQ
PDVGLPPPQLREGGPGAPAGPEGTRREAKGLHGSGQHARQRREDPAQRGANGDADA AVG
GGGSGSLVKGCRHGGSVSRGLRVCLFVCLCVWFCVVCVCLQRVVPVAVSDVLEP
>comp3013_c0_seq1; 372 1 1611 LEN=1629; translated
AASGLASGLFGDESMPTTCMAVTVTADPLRSXGVGEGWTGALTRQHIFKSI PGQFDEEG
AGFDGERDPEERPHRTGSDDGTSLEWLSPPASPRPVLIYEHDDVQRAAAGWGVSAFLDTR
GALRVVGRPHDLVSLRLNRMPGLLQRWINRNHDTSATTPVGTMVSSLIGWATGSLGGVP
GDNERWKVAEQFSLDDWTRVEVNHSGGTKIGKTAGEFDTRIKQLACGPGFLAMI SECG
SLYTMGVNRRGQCGTGAISNNVWTPQAVRGLSMTSLNIGGGDKISDKMASEQDQPMVQVC
LGFQHGYSRDRGQVYSWGKASRGQLGRTVDSQDPWARPIQFDNADGNPRVVAIGAGFH
HGALLTEDNEVFVWGNMVRNAGEEDDANSDDGDEQPVDPDARTPQKVLGLPDSAHDNQ
SPMKVERISCGSHHTAMLMEGDSIFGIGIASDEPVPI LDPELIPPGVLELPLRHFEAHH
DRTSVIDNSGAVYQVHLWNDETLE YAYFTPSYVDALLDEGHDIQSITAAGAIRS
>comp3014_c0_seq1; 176 69 353 LEN=388; translated
MMRSVFFLLAI IACASAFAPVYNTVRVADTCLSAKHVNDKAAKWAKSKRPRKSRPSDINR
APIDYAIHSYQKPAEYDISSEPAAPMAKPAATEN
>comp3016_c0_seq1; 435 162 1658 LEN=1811; translated
MVSDKASNMEA EKFSRCSGKAMMLCDSEFLDACCPI CYEPFLPVDVDP IRPVA AKVGSSES
TFCRQEDS QSSTDERNGIYKKADGDCRKEGTSSKDIDILIIHQDDRHSHTDTEKEHCQP
CHGNCRLDPRQVRTIPECGHEYCRGC IKKHCSYAILIRDMPIQCPGCTSGTSNPCSSLLP
EDIIEESLLLKEKSVEEDGGDCPINTLSSARKEGSTVNQDLIKFQRLQRMLKDP SLISC
TRCDELIPPSNIQMI GCVDPNRIECPACHHVFCRIHGDAHLGMDCYTASAKKTDERNER
KSESAIRKCKPCSHCQSLIERVSGCDHICPVCHNDFCFRCGTHIYLQEGGMVRDCSKC
KQSYIDHRHIGKYRLCIGLWVPLLLPFYISYITMTIGFAIVTCGFFCCLGCGIRKDKKTD
SII FMPVMAAREILNFVFLPFVDLSRSCGIPCCFCNNAPGLGKGQYADNDDDEEDYDDS
VESEDYDEENQM QENSLR
>comp3018_c0_seq1; 200 75 656 LEN=896; translated
MMKGTIRSLPYYGSTKNLFLHALVFLGLISTTHAFQYPRNHQNHQSSGSSSQYNKINSIH
YEGWSSAVRPIRYDRSIRLSGGFMDDLQGFKRFTTRASASHILIKGGAEAEENKLEDLK
VEIGDSPVAFAKAAQYSACPSGSSGGDLGSFGPGAMVKEFDVAVFNEPIGVVHGP IKTQ
FGYHLIYIRDRT
>comp3020_c0_seq1; 711 1 1727 LEN=2065; translated
XEKEMEVMQYKDHFPKAREIKMHASSSSAAKKLASPRRPLTKPESFHFHSPSSHRPVK

EDGEKKELFKPFKALPMPKFSRKRKVLGGTKTPGSSRPLTTPPEPFKLHKSTAIHKSNEK
HPEADKEAKSGTFKALPMPDFASAKGSKLKSPPSRPLTTPPEPFRFHKTRSKRSNEKAKE
EKQSAGFKARSMPKFAARNATPSTGTHPKAPGALTKSEKKRTKSTRSKTIPTGASGLLFH
RSTSATNRLSRPKVVQETKQPQSKPFKAKAMPNFI PDVIVTRTPVDEEKRQPSRSPELYA
DEKYN SAYHHCDNSTISSCFNKASLGPKSLTEEPVVFVREEHPTNVTSPDSVKESAEPAL
PREDPVEPAVLNTVQAMEPPSEPPAVVRQRDPNPPSPVASPQLNKSTLSMEDAKARLRERL
SKRKS NASKPQQHNGGAAASSASMAFSTLQVQSRLTVQAEKNVKLEEKLRKMTLKKTKQER
SSNGASYL VNDNPTPVKSNNTAPKSTRLQGT VAGSDDKCTIPEQHEVQQPAGDDNTTS
SILQLAQEVQRAAEDEL SFYGLDTRDRLERELGL
>comp3021_c0_seq1; 151 168 1178 LEN=1415; translated
MLAGMVATRGGIALPLARKLCSQEHGRQLVSRFSGQAGGGGARRRYS LAIARRVPRSFP
EALGTSQGS GGEIDRERAEAEHERYLAALRKHVPVLC L PALDDL PDSV FVEDTVVAVGNR
AVVTLPGHPSRRNEVGP IRELLAGGLGMDVTD MGSVGGGRALCDGGDVLYTGRHLLVGM S
GR TNRAALEVLEEGLGMEALPIPLARENGRASLHLKSVLTHLDDRTLVPENDEGRRVFS
AIRDATGGAYTSSDAVWLP AHAGLSCNAVSVGDRGILAQLV RGGDAPTRERLEAAAARER G
RAIEFVAQGEAAKCDGAL TCCSVLLDLRPAGGLVRY
>comp3025_c0_seq1; 167 1 458 LEN=576; translated
XNDNDNKTPHYLWEDLSPDLQREIQALRGILRSSNRKKVYFSSYHEYLALLAEQHQQYYRE
RLDDARHGLKMRLEEDATLRKELELLEQERRYLGGRSSRMDLR IKETTNRLEGLSRGTEY
AISKIEPQARRVDTLKALLVEQKKIFGGGELL
>comp3026_c0_seq1; 371 1 1249 LEN=1316; minus strand; translated
PIQSKPNQPKQORSANERNNPPSSMFSSLSTAGGLRLASRRILDASRSVAPRSRATPQLH
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MSGAAIYDSALQGPEVISLTMTPVLMVYSGLFARWAWVKPRNLSLMYCHVANVLAQTNQ
LRRALEYKMENGEQVKEMAQQVGM LGGVAGAAVLGGPAARSALSANL GIVSTIAAAD
AGPFTATFGE L HARDGCGTFCPVRAVLSVVLASRAFDPF LFTQH DAPVSLRTNATLRMK
LVSCNSRTNAIGANDRSIERTNERTPHAVTNRAPMSKVFISGASMLELDRPTDKISLPQY
AAL TATGFFFTRYALLVTPVNYTLC AVNIALFLSSFWHFGRKVKADFVDAKPDAQ
>comp3026_c0_seq2; 355 1 999 LEN=1066; minus strand; translated
PIQSKPNQPKQORSANERNNPPSSMFSSLSTAGGLRLASRRILDASRSVAPRSRATPQLH
LPQRQAVSTAAFRAGVARARTAGHRYLSKDTAKTAAEPAKVGWWSPEFWGFAGSIAAWG
MSGAAIYDSALQGPEVISLTMTPVLMVYSGLFARWAWVKPRNLSLMYCHVANVLAQTNQ
LRRALEYKMENGEQVKEMAQQVGM LGGVAGAAVLGGPAARSALSANL GIVSTIAAAD
AGPFTVHFVAPMSKVFISGASMLELDRPTDKISLPQY AAL TATGFFFTRYALLVTPVNYT
LCAVNIALFLSSFWHFGRKVKADFVDAKPDAQ
>comp3027_c1_seq1; 192 1 680 LEN=709; translated
QPRRTTGGGRNERTGVYVTD DMVLSLVRATVRASRLRSRRKRATGDPPPTPEEEEREAL
RKIPLDSALEILSRLKEDHGLPLAAYVNPLAAYQSLGYTAHSKEILETMLSNRTAGED
DLPNVHDLCAKDKXELQPPGPG LGGEGGLGGGGLAGGNDGRRPLPQPAALQHV ERDLGA
ADEAEGRRLQEEEEAGRL LDRQHPTARTMVQLAQEHKQCICLLES
>comp3028_c0_seq1; 426 1 1382 LEN=1400; translated
KAFGFCARNGLEM RVVXMITAAKGKAEISGLQOSSSLPMISIQLPETVDFDACEISFNV
YYKHMPFR L DSIRAKQAFNDLAILGSSRARMKILRLVPIDSINASLLFGIPVGIKAAILL
AEDEGEHREKVL MVQSL LKTLADRDCALLLR FVDDGGLCHDTVDP SGE GILDSSREVQHF
FLMPDLVFSKEGPASPR TGVLHRVASADHILEETTASDI FMASNLESASTTQILENSFSE
YVKASLDCLGCS PWNPLLQDVLQKNKISPNPAEIVKKNRIPKYNSDFRTTLLGRRQKS
PIDQGCTAESAEVWMNEYGVGSLVRQKSLSEHSNEMKGAATWEDSKV SANVANVDGDATS
TDISKGTGYVDENSTNADEEKI IYSFGTSGAGVKTNHAKHKSNAVK SVGSDL DSSDNTSV
GISFDDSDGYSSSSTTSTCSSSATSGATTFGTFHYGRTR
>comp3029_c0_seq1; 73 521 709 LEN=709; minus strand; translated
MCSRRKARELFDQESVQAWERVWEGVWEVWVWERVWEKQRPVEGQRPVEGLVEGLV
EQL
>comp3030_c0_seq1; 130 1 978 LEN=1340; translated
PKLKSMTSVALTHNITPEYGNRNSLVERNNGAAAAATMLPVVCGGLSGMLAKTATNPFE
RIKVL SQTGDHLMKSSSIIDLYTGIIRNEGVI GLWAGNGANLVRIFPAKGILFSTNDVYQ
EFFRKVAKTSKSEKLPLFYTFISGGVAGMTACALTYPLDFAQGRISGKLASHGNRKEYRG
IIRTVLTTVKDEGLVALYKGVPTTGMALPYEGIKFGTVGFLEQCFPVEQTTPLRKMMFG
GIGGVIAGLVTFPNDTVRRLQLQGSRGSKTNYCGFLDCIRQTYKSEGITRFYRGFTINI
VRMPNAAVQFGSYEVLKNLTKNYF
>comp3031_c0_seq1; 280 434 1477 LEN=1477; minus strand; translated

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VDSDSVQNRSEDRFRFRIVNLYRDEYISSNSVERATIVSKVIALLEKDSYSFLRSGSLRT
PFSNRNSSYPSSLCDGYGINEGDSNGGLESGMFMGQIRQMVSTSF SRLGRRRSRNDSS E
FKDAIRQQQRQ MIDATLNRTPNTLKNPAPLATKDKVSYLKASTL GANQSIAPQQQDGPQD
ELVPPLRASRAPAHSETKLAADKVQKVRPFSSAHESCLLQECQPKVPAX
>comp3032_c0_seq1; 325 1 717 LEN=751; translated
XAKEMVVTGNRPMRKAIEEHGKNLDDAYLAELVRYLGAPAPAASAPVAGATEDVEMGTG
ADPKEEDAGARAPASSYQSALEAAFLYRYASTLQEQLLADAYHKHTCAWCLDPSSGASS
AAEDLPRAAAPSSAPTAEAHVPPVVEAPVPDGGEEAAA AVAAA AVDVAVVAAVEDQGAFA
TEXIARRTAREGIEKKSIEQEKQSETNVLDKXHPFLKRRKQPDGTIDSDNTSNNSHSG
>comp3035_c0_seq1; 137 1 920 LEN=1431; translated
IDQELGAIQHPQRILQNEKVCFCRDHFSYTAASPRSLAVALYMDSICGEKTRRRPTALPF
GSVHARWGSRVGALLGEAVDGGELENVGEPLDPKLVAAA SEKLAWELTEDRRQKPIILNLS
SRDASPEETQKKEDECENISEWDRGQRWKISLGYLSDLGVDV DATRAAHNGHEEILGAAM
LENCPQLVRLKPEAIRDTAEWIATEFGLGYLKDSVLPQHSVLLSFRSSDASYGLEFMGLM
MMGDAR PACSASP AFLVTAIEGGLQERTV GKALGAAGEATSKASRSIASDTMESFRQLRG
ATRHHK
>comp3036_c0_seq2; 141 203 322 LEN=980; translated
MSELAAGKMKRYIMLQIQWFDANILTRLVSHNAGRIQTM
>comp3037_c0_seq1; 375 1 931 LEN=1018; translated
XGTTTTASGPSHSGDQLSWARDTLSEWGEASKSNSVIYTYAFVTF LTLAKTEDGGEGQDD
SELVDRYHKNRGYQGSKLGLAGTALLLVLVGVAIVIQT VTPIAIVATMELPEGGACPNE
ADGLTKFIGLTLCLYFVFLTISMCQNKLRAMGYLRLF CGHHDAGLGGRMGISCGVFLDA
GILANMLSMGAAGAAQYLLFVRNANRDVLLLLLLQSLAMQFVLTADQKLMTGAWNALTKK
QIEILLQKDTAGNKPGGAGGAEESGLGTEAIEID DARLSRILLMHKAETAFLMSVVLIGG
GWSIALTYCM
>comp3038_c0_seq1; 755 299 2575 LEN=2902; translated
MSYHVRLPNRRALRKEDQHQRMRKENEALNPD LQWTFIGTKRVSNSESMDEEDD SGLHE
NGDYVSVVQKDEAAFMYLPRLNEPLV TYSTRAPNYP IGYSCAHTLVHSSNGIKGIDSSPH
DPMNLSHSEGEDGESMVLSETFVPIPLEFFIPASLSGDYDKIYSNVEALQWSILNEVAKRSG
LAKGCKVNVQFDDRPLLTALTSLNELHSSATPETTLRHNSDQHTT LSVSSNARSSSQNQG
KNQNGQRNRRRARTIGTNRRLSRLPYPM SVYSIESTRPQWTECSSEMIHSDESESQC
FTAETILEVFRGTTGESNLIEEYIQSIVHNQIALDASQLFVEDIFGLK WSSVQEASSLT
QPPSNSSQESNGPISFGPENVEDSSDSIGTTAKDKSNSL FASIIPIIATACIVFVWYCT
RRYYNRDRKRARGARDHQEKSQAVVRGMKQSTDIEIGIVRTETTQSSH DQLSKSSSNSNG
NPEDVISATASSDTISSSSSSTSLKSI SATSDFSDRSITGLPPRPNVVKREGSKQLKPR
KKKRRKKKVMQLRINSRDNISEMPMISESESECDSESGGEDEDYSQDDDGSSYDASGG
CLTPSRRSRTSSRASSASSVSSPPKSPRDDFFQPE SATGDQSSYEFVMEAPEFSEDLFAG
LKTKNMFNINANN SNPHTSIE TPQSKMTVPETDKMDKH NQQTNI LD SVSIGDDIDNDNFE
IETGAELDTSF TNEHGSVMERMMLPWL TGSGRNQRMK
>comp3039_c0_seq1; 221 1 1103 LEN=1116; translated
XSSSLSESQKGLVATTEPISP I RHAGEGASEGESSWEGASPDTPSSWSVHSGSNDSRDSS
GSYTEDGSQGGPGPSYGEADGILRCLLDLRDRGVLYKGVKPIVSTIFTSQFVFFFLHAYA
KRWLARVTNSGVSNSP SLSLSSCLAGVGNVLLTNPLWVTNMAIVSGTTETQNL FREV L
RLSRDHGLGHLWKGTGASLLVSNPILQFVCYEQFKRKILEGRGKTGPGGKARTTLGAAE
AFAVAALAKTIATVGTYP LQLAQTLRLADGDRSGERAARYEGTIDCLARLYRTNGAGCA
AWFKGMRAKLLQTVLTA AFTFLTYEQILGAVRRVVE SHALRVRTSRRRVGTTGGSSGNG
LDQLE
>comp3044_c0_seq1; 718 89 1642 LEN=2177; translated
MSPKVNDDDNDGTADDSPYISRIETS FQPM DVAFHPRDNLVAAALVDGSLEVHDFRKD
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GDMCAIDAERACFSLSNKNPLWRIQSATASTDSVVTNND EYNINKNKNKNPLVALYP
FCKDGEAGTPLLATGDDNGGLR I WDERLCGSSGASFSSSRPKGCVLEWNEQQDYISGIE
YYPHNSGKNHDGNNILLATSADGSLGVYDLRMNKGTVADTTRTSDHL DDELLSLCVLKS
RKIVCGTQTGALSIFSWGTWGDISDRFP GHPSVETLLKVDENTILTGSSDGLIRVVQIH
PDKLLGVLNDDIEGHEGYPEKIAFNSNRDVVGSVTHDNFVRLWDARILKDDDDHSDND
SGGDDDDDDVEDSKKPAGVAKSTGSSQVYMSTSTRRADEKHNSDDEWEDMDDNKKSGSG
SDDSDSDSDSEPEQETANDRRKRLKTENEKFFDDL
>comp3044_c0_seq2; 691 214 2640 LEN=3175; translated

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EDNIRYRREHIGNWVKYAKLEEDHKEFERARSIYERALEVEPRSAELWLRQAQFEMRNEF
LNHARNVLDRAVQLLPRTFDLWYKYVYMEELVRDIPKCRSVFERWMKWMPDDNAWMAYAR
FETRCGSSGGLDRAEAVMRRYVNAVYSPKSFMKFAKWAEEYEAKNVDLARTIWEASLSEL
EPEESKQARVFAFAAFEEERQGEYVRRARVIYKHAIVLLRLEELEKIKAEQSSRTMEQDDD
IPDWELDQRKDLYKAYLTFEKKHGDRQGIERVLLTKQRREYNERVEKDPYDYDAWFEFAK
LEEDSTLLDAGTDNHHHRAGDPAAVREYERAVAQVPPGNTGEKEHWKRYIYLWIYYATYE
ELTNRDLERASEIYQTCLDHVIIPHKQFSFSKVWIYAAKLQIRRNLTAAARKLLGRAIGMC
KGKERIFKEYIAIEMSLGEIDRCRTLYNNYLKAMPQNCCEAWSKYAELEKSLGESERCRAI
LSLAISQPSLDMPEVLWKSFIIDFEIEEGEAGNARKLYERLLEKTSHVKVWISYAQFEAGE
IGGMPKVRTILEKAYNELKEDGLKEERVLLLDLDSWRALEQQKGDADSLSAVEKRLPRRVK
RKRMRKDGNDLWEEYFYDQFPDDDDQGASNLKILEMAAKWKRKHDDSDDDSDDDDDSD
DVEDSKKPAGVAKSTGSSQVYMSTSTRRADEKHNSDDEWEDMDDNKKSGSGSDDDSDSDSD
DSEPEQETANDRRKRLKTENEKFFDDL
>comp3045_c0_seq1; 435 1 951 LEN=1137; translated
DVDEDVDEDGLLVLDNPCSLEEEELDLDSFEQQQFPHTQLDIIQEGSAEESAEEASVRHDH
RVVSEEEEFATAAGAVVEAEDSAAVWRTLYGLVRLLFVSTVVFHCGATVGFVDRVADHLGS
IEGGPLVLEKAEAVVSDLRAAGTSLVSGTREVVSdTVEVTVQQRIGSIDDPLARLEEAFFPG
LEATASHWLEEAASFYHRLEQAASDLAREAASFDIESFETAEEGPPPELFGGEDAPMSDLE
VFHQVVEEALSDDEREAATATASSASARAPPEDA AVAPLQGGVVSEVVVPATAGPGVE
RGSEEAIEVVAAGQE
>comp3046_c0_seq1; 176 134 340 LEN=970; translated
MPDDIAIEMTPAPGDVIDDVEDEISFEWTVATIAQSIALFLLAGVAEILGGWVWMSIRG
NGKDEKKPW
>comp3046_c0_seq2; 182 134 301 LEN=1070; translated
MPDDIAIEMTPAPGDVIDDVEDEISFEWTVATIAQSIALFLLAGVAEILGGWVWV
>comp3048_c0_seq1; 120 184 396 LEN=396; translated
MSGELSAPTTNYKTNSFPPTPRIKKTQNWREAAEKSKKFRDETTTPAQKKVAIIGGGLS
GLACAKYLSDA
>comp3049_c0_seq1; 113 975 1091 LEN=1183; minus strand; translated
MVEMGKKSRSRLYVMICHVVHAMEYDIKVSLSLHAEENQY
>comp3050_c0_seq1; 328 30 1345 LEN=1493; translated
MEGLPTEPPPETGKGDSGRREVARDGQEPSPQRKASKPAPPAPFWPLLALALEPLLSRWKER
AVSWTEAFASGPRNDLIGILADRALEAAGHHLDPGEPVVRGLLERFLPGGLEPGGDKGGD
NDKHKDKHKDRQRRERRESPAKQDLLQKFPFYQALDAVKYQRDSYLMGPDYANRKLQQQE
QELRQHPKDPREPPEPPWREPQQLEHQPPPKRLLPLRFGGATAPGTTGGLPLPPLGGST
GTSTAYPLLVDTGGRFLESRGARDRLLPIVVSPLSTEPPLGSAICSTVSNAIPLAAPPLDE
AVKQAVLGMGDPFTRELIKSRTQQILRVDDDXALIFASARAGGSRRTRSGAKSRHENNE
CLPLGVDDPSETDGRATGAIDANANIEERKRTKTPQRRGSAAWFFPDGIESNRDLSTRIDW
NPSGIDPTEQRKNMVGNR
>comp3053_c0_seq1; 474 117 958 LEN=958; translated
MAGDQSPILFLQEDNRESEVRQDHILSASVFGHRALQSNKLSFGKFLIATLREENGKVFL
CMKTVERAHS PKNLWEKVLLSRNYAKALAQIDEHLQYFPKALLHRNKQRLTKIHQYLLRM
RKLKLEKELSGHKAKIVQAPTRKIKQREERREQKALVAAKITNKIEQELVDRLANGTYGDI
YNFEQTSFNKALGQVESDEEEMETEDESEEEESIVEYVEDLDSDEEESMEEDMEDFEYLG
DGQWGRAESDSDESDDYDDDDDDDAESEDGDSKSEKKENRX
>comp3054_c0_seq1; 207 767 1024 LEN=1161; translated
MANDGRGKPNTRNSQWFINTAKTQWLDGRNEIFGMVLDGVDVITAMEEKGTGGTPTARI
AINDSGSLPLEREDAVPYLVVSQKLR
>comp3054_c0_seq2; 299 185 895 LEN=1032; translated
MLFLRSIEILLIGLLRIAPVWSEYDVPTTKAMPKMDPIPTLPLVTERVFFDILIDDEPI
GRIIFGLFGDVAPKAIVENFSALCKCDRGKAPITGKDMCYKHSIHRVIPNFIIQGGDYTH
GDGTGGESIFEGNTFEDESFAVKHNRKYM LSMANDGRGKPNTRNSQWFINTAKTQWLDGR
NEIFGMVLDGVDVITAMEEKGTGGTPTARIAINDSGSLPLEREDAVPYLVVSQKLR
>comp3057_c0_seq1; 405 166 750 LEN=839; translated
MAEPTPEPTDAVAGDRSDRDVEDKYEYDNDEYDDDDFGDDEAPPALFRMSGVDTSLGDAF
LEECLAVLLRGQEAAGERGSDEPKLTVTLMKDFDEKGTLLFLVSDEGGGAGGTAPPTT
PCDVEGAIRDYLEASQPGDGEAHPWVGDPGAASIELVDWELDDAPGAGVDLAEGLISEEE
AYRLLVDGQAGDGE
>comp3059_c0_seq1; 210 402 989 LEN=1367; translated

MARDYVENPSPDWWSDEEFVFRGPVIGPLVKKDLVATLTANEDLRTAFPDLLQONAFGFTA
DDPIEPNRVWYFVRPRGTFAGFPMPGTGKMIQPTNAPYIGPPECRSVIFNREGKIKYQS
VGYVVDRFTGDTTGGRGAI FGQYAVMGQDIDANPGAVSTIFLQKLSEYLPQFPKSYSKRE
DLPKWWTDERMGAEI

>comp3060_c0_seq1; 317 70 1749 LEN=1777; translated
MTKRTKSQSPTRAPQHNGGNIAQPTRARSRSRSPSSGSRAAQSNQPQLKRGRRPGGSVQ
PSTGNNKNENADRKAEEAEQADPAQGVQIRPKEIEIEAVREAWIRHRGTRNRTDIEAEAV
RKARTHQHRGTGLEAEAXSESM DPASRNKRYAHFDDTQATKEYPSQNRKGLRRGFTARKL
SRGISVGRREMSWCKLAQYIVPGLIIIAATVGAI FATGNGSIIITDTLGGLIPILDNSDIE
DPFGNGNAPSWPSNGKGLEITIIINALNDDWQNTFAIAVANWNGDPSAVQITQEPGTYDP
DCEAPEGKIIVCNGDYGETKWRGVTESLSGNDGKLVLATAKLN EYLLNMKGAWQYTM
HELGH SIGLGHTDEVFGNEDLGDCMDYTDNLERNKQPTELNYDMLMSLYGPLGGQRQRRE
RLQLRMLERNEQNF IPEAYTNSSGHHQDLSVQRLRKKVSFRNNIRIHDVSAEGSDDVNAH
VFRTVPDDIKKEKDKAVQVLFDRVRNEDPDDYEIAAGYTHKDGWKL LHRKLYGEEHEMEL
GMGYKVRIQLLLDHKQTIR

>comp3060_c0_seq2; 338 70 1872 LEN=1900; translated
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PSTGNNKNENADRKAEEAEQADPAQGVQIRPKEIEIEAVREAWIRHRGTRNRTDIEAEAV
RKARTHQHRGTGLEAEAXSESM DPASRNKRYAHFDDTQATKEYPSQNRKGLRRGFTARKL
SRGISVGRREMSWCKLAQYIVPGLIIIAATVGAI FATGNGSIIITDTLGGLIPILDNSDIE
DPFGNGNAPSWPSNGKGLEITIIINALNDDWQNTFAIAVANWNGDPSAVQITQEPGTYDP
DCEAPEGKIIVCNGDYGETKWRGVTESLSGNDGKLVLATAKLN EYLLNMKGAWQYTM
HELGMSFSFVSFSAVQLVVLKFDLTF TQPTLREFFCVFLTF TLAGHSIGLGHTDEVFGNE
DLGDCMDYTDNLERNKQPTELNYDMLMSLYGPLGGQRQRRERLQLRMLERNEQNF IPEAY
TNSSGHHQDLSVQRLRKKVSFRNNIRIHDVSAEGSDDVNAHVFRTVPDDIKKEKDKAVQV
LFDRVRNEDPDDYEIAAGYTHKDGWKL LHRKLYGEEHEMELGMGYKVRIQLLLDHKQTIR

>comp3061_c0_seq1; 50 1 1107 LEN=1230; translated
RLVLELTGEVVERAEPHIGLLHRGTEKLI EYKNYLQALPYFDRLDYVSM LCEHTYCLAV
ENLVHCKVPKRAQYIRVLF AEITRVLNHL LAVGCHAMDVGAMTPMLWGF EEREKLMEFYE
RVSGARMHAAYFRPGGVHTDLPKGLLTDIFIFKEQFRLRLLEIEEMLTENRIWKQLVDI
GVVSL EQAQDWGFSGVMLRSGGLEWDLRKNQPYE IYDELEFD TLAGTNGDCYDRYLIRIF
EMKQSLQIEEQCLDNIPLGP IKTSDNKVTPPSRFDIKQSMEAL IHHFKFYTS GVIIPANE
TYIGTEAPKGEFGVYLVSN DTKPYRCKIKAPGFAHLQGLDMMSQGHMIADVVTI IGTQD
IVFGEVDR

>comp3062_c0_seq1; 366 1 935 LEN=935; translated
PQPQQPQSPTTEPRGSPTTPSIQAGAAATGTDPTDPGKT TAGPAAGTGAKEDAKEDAGA
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KKASRSKKEDRTPARGRGAGKNAPGKRKDPGSSGGESTVTAETVDVAAVEDTDEEPASVG
RTDAESARAGRAKRRKKKKKKKSKGSGASKKKKKKRVYSIVVEGDE DAYKSF DNRLREVE
VFEEKLVRDKLL LQKEREAMAFELESMEIRMDEELGYSEELLRVKELEQLLRSQKISQA
GHRVETEDKVRR

>comp3063_c0_seq1; 234 1 484 LEN=649; translated
NDDDDNNNDGDPVQKNSEVPQRQEGLPGARNHP EMQEQMENQWREVERRER EAAANT
RENILLRRQEEEARAP IRREVMAYRKMMEGMGKGEKLAPLDSKEAAQEYDDR LALGKTLE
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>comp3064_c0_seq1; 179 1 1009 LEN=1009; translated
XNNNNNNNAFDAHRSIVLVHQYGSRMFGAGASWFLWDV SFYGNKLFQSTILEALV GKD
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RGRSFSVVVVVLYLLSSFVGVGNCTTFLVPAEIVPTAQRTYCHGVCAAAGKAGALVAS
VLFHALGSRGAGASLFYVSGAASLLAALVTQGFVPETHGLDLLDWTAGGAGSCASAGTSG
EREPEGRRDPTKRAIAIWSASRGGPAATDRPSEMPTRVRTSGTGPGGQRERGFRCGGPPP
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>comp3065_c0_seq1; 521 1343 2230 LEN=2298; minus strand; translated
MTIQGILLSSVLGSVA TTYPVGISNCGVRSWIEDAPKRAV TMNQGTTEVMLALGLADS
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RIDYFQVVEDGCDLTLPETNATY CRAELHVEGIQTYLQTPYCELADHRPAEVDLKHLYEE
IWDVALIFDAFEAQV LVSNI DDHFRRATNLVETHGSSDVQVFWLDGWD DTTPFVGS CCG
SVNKII EYAGAQNIFSDLGIEEQKSWADANWTDVIERDPDVI VIVDASWDQAGA

>comp3066_c0_seq1; 566 256 1094 LEN=1094; translated
MMEFSRNNLSDEEWM AKMSSSMNQSV DQEFRLRLKASSSAGSSGGAGSNAPSGMGT DGSS

SMMQQNQQRNLSQQNGGNTGNGGNDAAEEELLLQLLYQRRRRQQMKEGMGGGAGGAP
GDDGRFGSGVDSSGASGNPTTHLMRSDEEQLKCLRDRQQATVVSRRNSLMSATGGGNDRRA
TMINGFSDASGNLNGANPLGGNRSPNQTRGSGSISPFNASNGMVGGPGSSLDGVRSS
MMGAMGNMGAPAGGMFGGMGGLGGIGAMGAMGGMGAMNGX
>comp3066_c0_seq2; 492 201 1039 LEN=1039; translated
MMEFSRNNLSDEEWMKMSSSMNQSVQDFLRLKASSSAGSSGGAGSNAPSGMGTGSS
SMMQQNQQRNLSQQNGGNTGNGGNDAAEEELLLQLLYQRRRRQQMKEGMGGGAGGAP
GDDGRFGSGVDSSGASGNPTTHLMRSDEEQLKCLRDRQQATVVSRRNSLMSATGGGNDRRA
TMINGFSDASGNLNGANPLGGNRSPNQTRGSGSISPFNASNGMVGGPGSSLDGVRSS
MMGAMGNMGAPAGGMFGGMGGLGGIGAMGAMGGMGAMNGX
>comp3067_c0_seq1; 191 150 833 LEN=833; translated
MFHRRGGGGFHHNKTVSCSAVKRNISSARKALVCPPTATPKNRAGRETNGSDVGKQK
GEKGFLLFFQRHKQRNGSVNSVEETLTNNSSNGIRSIPASSPARTKSAMRSRWRSPRAQ
QQQEEREQEPPLSEQLAAHRRRVTFATATTRVYVKNKDRRRTQQRTRRQAPSETTATEK
NAKTKKNKRNLKSSSNGPRPTIEGLPPPFLHRNNSEGSKQKQQQX
>comp3068_c0_seq1; 379 92 823 LEN=967; translated
MVLVSVKNVQAALKYRGGWKGLFQAMYTNGDYPFKFGTYKGCDAAGNRYENKVDPYFGQ
HRWVEPGDIHNFDSQVPPGWHGWLTSMYDATPEEDEEYIDELKKRIRPSAPSDAPYDHN
IGYQNELFNFNHMQQQTQIRSRGYGIGNSIVGLPAFKPEAYYTQPGSPYNPAFQRKLEYE
GDLDEATGGGRPYKNAMWKERLMTAEKKAMEPVDDAEFAAEATKLTPREEAILARGGTL
PTK
>comp3069_c0_seq1; 293 160 1083 LEN=1629; translated
MTTVPAATQQSEEKNGNANDDVTSRDRRLCEEENEEALYQCPGCLIRTCCLKCCQAHKK
RTKCSGKRPRGAYLPLCRMNDSTLRSYDFMEEVLDSSIPRARKISKLAEEGKSCMNRSMH
GKSSNLQKSIASINKKAKRLVQQAQRGIVTVQVMPPILERHKNNTSWYCGPRDLIMWKVE
VVLVPTTESTVFSNLSEKEESILDHIAKHITFHKNDPNMPTKLSQPQNYQLLIKRLPSAAN
SPRYARIENKSLREVLEGFVVEHPTIYCVNEKMTDFPIGTKEI IERSCDTHSETVSD
NYLPTSD
>comp3069_c0_seq2; 293 160 1083 LEN=1453; translated
MTTVPAATQQSEEKNGNANDDVTSRDRRLCEEENEEALYQCPGCLIRTCCLKCCQAHKK
RTKCSGKRPRGAYLPLCRMNDSTLRSYDFMEEVLDSSIPRARKISKLAEEGKSCMNRSMH
GKSSNLQKSIASINKKAKRLVQQAQRGIVTVQVMPPILERHKNNTSWYCGPRDLIMWKVE
VVLVPTTESTVFSNLSEKEESILDHIAKHITFHKNDPNMPTKLSQPQNYQLLIKRLPSAAN
SPRYARIENKSLREVLEGFVVEHPTIYCVNEKMTDFPIGTKEI IERSCDTHSETVSD
NYLPTSD
>comp3070_c0_seq1; 223 146 1084 LEN=1084; translated
MALHESLTVLIQTSPISHPSTALLEALFRSFEKADGLLESRIVILADGCEALGHDGSSA
TPTESGKQATENIKHGRCSRTAENYLRLHLELLERAVREGTPPFCPRAGGSIELVRLSR
HGSAPAIEAAMARCVSTPLVMICQHDFVNEAPLRGVVAALLEEPRGLGIDANCVHFLS
TATLNYREKIQRRYKLDIGEPKRVKALEPLVPLVFWYGRSHVAYS DYVRSHCLNRELAR
GSHLEELLGEKQLHDIVEVGMEAHKKYGTVYLDQGFVLYHMSGRVRRAADPSDATENFG
QKDSSEIENKQQQQ
>comp3070_c0_seq2; 74 1 804 LEN=1282; minus strand; translated
LLLLLVLDLDRGILLAKVLCGIARIGRPHSPRHVVQYLKPLVQNIRPVLVGLHPLYLDNVV
QLLLSEQFFEVAAPPCEFPQAVRPNI IAVCNVGSVPVEDERDQGILQGFYPPGLSDVQFV
PPLDLFPVIQRRRRQEMDAVCIDPEALGSSRAATTTPRSGASLTKKLSWCQIITSQVETH
RAIAASMAGAXPVPRQLQPDQLDAAPGAGTKGRGSLPNGSLQQLQVPQVVLGRPRVAPAVL
DVLGSLFAGFGRGRASPVVTRQLASVR
>comp3071_c0_seq1; 413 83 1471 LEN=1717; translated
MSFCGLANGIIADGFCAVELPLSVSRPRSVRVHGDSDIEFVLERETQSI VHLFDSGDGI
PDSKAIVASASNLNHGLAIYDGYIYASSDSTVYRWPLYEGDIAGSVSMNYNAFPLVNEEV
VVSININEDGMGGAPLGHKTRTLEFDKSGMLYISVGSNKNVDGDSYRSRIRRFNISDPSVT
FPQDFQTMVEVFADGLRNEVGLAFDKHGILWGVENSADNLVREDLGGDIHEDNPAEELNRF
RPEDAGKHGWYPYCWEYNLPAPTGIGRMVWAWPSFFEDGTITDEECRN DYIAPVVPMQ
AHSAPLGITFFNWLPAQEVVSEACNGVKSFPPEMNGFAFIAYHGSWNRDVPTGYKVVYVQ
MDESGDAIGEPIDLLAHSPPNAKWEDGFRPVDVAFDSCGRLIVTSDGTRGRGAKVIRIEY
IGREINGSTEASNPDISSAAEFSSTQIYAFLLFAFLMVAICS
>comp3072_c0_seq1; 186 172 606 LEN=694; translated
MDHSLSDGSGDEDLPLSHPARIGFEGSKNDKNRGGWGESMELAHQREAGRRTAGAPETV
VAVDLSQFRNTEVGRGYQARHVVRQRSAAIETTKTTTTVNDRVHLPRARDSERPVKQEPLD

KEDLLRNEGLRLFRKEIESILASP

>comp3073_c0_seq1; 233 1 999 LEN=999; translated
LIRTIIDTLDI IHKMKVTSQPQLPTIRDQLPGRRLSFFYYYCSLFLFLSIASAPKTIVVVDA
SPIVKHQERNSSNNNSQSPYRFEPYSGDQSWIFETINLPGAWKLGYTGRGVKIRINDEWES
GHKEWKPKRLIKDNKNALDDYSCGATNNTLAEGKFRSDNKNKFLNHGAAVTSILAADGS
NDFCGVGIAPETELSFYFRKTDASVLKYDAVDNMMFFYISVNAFAQEGCKPRTSMFGE
AVNEQTIATGNGDRNRQRRRTKNRHGRQHRQQDQSDRILNEQEIGGCPFVNFYDEYNP
GDDPCKVCTTSDFKSVRDSNNENARNNFGSLQD

>comp3074_c0_seq1; 191 373 847 LEN=847; translated
MSSNSKNVLANIKTEPLPESPPPPLVLPKPLWNLAKGDNVWVTQGKTDHMTFVGDPRM
VCIYDSDDDHNTSPGEPMQKKQRTDRGTQOLEVRIRWATTGNKGYVQASSVRPVVSGER
RRRQLVSHYDAAPSKRPVYTRKSRGKTGGTTGSTSTSTX

>comp3075_c0_seq1; 161 1 409 LEN=1054; translated
XSSSSSSSAMPTAQGRSSGRWVTKPSRLSRGSIQLSPRWKVRLLPKESGGGTVIYKGFIDA
QKMIGRGGKSVSAEMTGVIITGEEVNKEKVIGRFTADDFVRQLDDEEVDALKIGGGGGKEI
TATGSSNNGPITLSPK

>comp3076_c0_seq1; 278 1 887 LEN=947; translated
XSSSPCYRARGDAANAFLLVGLGYAFLVLCFARPGSEGVDHKKAGFCIHNKEVPYR
SSFDAclyLDVVL SAVLGAMYL SWSKLP GMEAPSKLVPSLVASTVGHGVAHGVMKELRE
RIAGGMAEASAAADSNGGGESGPKPWQLAGFCVGFWFP LLGAALPGLRHGTLFLCAVAA
TCGNVAVRKElafgyvqtvvnvafaasqlllppdqkneroyalplagvlpivvswaeal
CCDSLVRSLGGHALYDASIIIVSVIVFYSESYLHCTAKRAAPKKTGDALGDKEKTR

>comp3077_c0_seq1; 205 1 289 LEN=702; translated
XQHQQHQQQQQQHHLQQQQRSLNFNRRNANNFLPGRNSTFGTHEPILSSGLNAGEVN
NWRNGNTDPNNSYAMGGNNINMGSNPFDTRHHHAN

>comp3078_c0_seq1; 389 1 1455 LEN=1668; translated
APGKVLLAGGYLVLEAPNAGFVIAADKRFYTTVDAGSDKGDDHETKHLMRIRVESPOFHS
TWNYYEYKSKCQLVPSPENQSVNPFVEKSLRVCLIIYLLQSSKSAGSAIPSSLNIIIRADN
DFYSVLPPLPADSKKTPAEVAALPKFLPCVPDPTGKAI VHK TGLGSSAALTTSLVGLV
HYFSRQSPDETDQLSPMIHNLAQICHCHAQKVGSGFDVSAACHGTHVYRRFPKCLLPDL
LQLLDQFEKQPDGNEQHVLGETITKLVELVPWKEDMVTP IKLPNDLQLILADVRGGSE
SPSMARTV LKWKAGNKSENDEVP HWSALSRLNPKIVESMQLLATDDTKNVNYS LAKAP
SSEWSSDADSTLISLRDFTVQIRNELRSMGEAADVPIEPPPQELCDATSKLPGVVTALV
PGAGGYDAVACLYINRPEVVKSIGELWSSWTSPPVVCPLAVRAGDEGLRVENESDFNEKKR
KQIE

>comp3079_c0_seq1; 256 1 1460 LEN=1782; translated
DATMRILD TMKTALLWLAIGRLGPSLAF LPPQAVPPATARSRAFVAEAE PGNSSDRERPR
HPCAGQENPGTEAAAGLETWDRRGFLAGAAV LASSAAEGSSPARAVVTDETDFADNYW
SKSPAQQGTTAPGTASEGAF AAPSDEVT VGVSGADLRSEGGIGLELGEVEFR TNRRVYV
KSVSPGSPADRLGIKKDWIVVSVNGASAERTDVEGVA IMIYKAAREPGRSAKDTVDLRF
NPVVFRNQLRDLSSSPGSTVVTQVAPEGDTTQRNPDG SVRQYGGPTDQADQLT VTQL
VPPKICRRGATEDDLLEISYVGKVAETGAI FDGSAVRINGEG IAGRGNDVSIFFVLGKQP
FGQFP PGWDAGLEGICVGERRRLLVPPV LAYGSKGLPRRGI PPDATLQYDVTLVSLNGLX
DAAVAGGGGDGTHRKEGNGPQSNATQRKAVLVRVRVLADTGRYARTTHTRTGRNAFAPAS
CNAAGW

>comp3080_c0_seq1; 370 1 1288 LEN=1332; translated
XEAAGIVQKLAEACGDDFELHRYQRFS DLKVS KSLGKNPTKTGSYRNVQKGD CVVAFSR
NDIFAIKREIESLTDHRCCVIYKLP PQT RADQARRFNDPDSGYDVLV ASDAIGMGLNLN
IKRIVFNSIFKFNGEKIVRLGHSDVKQIAGRAGRNSPYPNGEVT CRDVRDLGYLRKCLS
TEIEPLRKAALLPTESHIELFAEAVSAASAGEDPGDQ NATDPANHPDLHEILRQFSAMAT
VRGDYFLGRQATEMAMI AKRLRNIP IRLRDAYAMCLSP TTESSARLLEM FATKVSQNEVFG
LPSRSVPRKARSFDDL SYLCNIYSDVDL FMWLQYKFP PGN AVELATAMARKERTMEFIND
ALSATERLRLDH CYLKTAQRHRSVWEQRSGGIGSTANTDES DSDGEDYDDD IVFAFDYSY
DDNIRRRID

>comp3081_c0_seq1; 266 1 943 LEN=1015; translated
XPGGDLRSEIFWLEDAAVEVARRHYEEVVEREEGVLP PNQRTGFRPPTVGFTHDTPDEF
LLRRSEEIDRFREATAEVTIENQTRIVPAYFPWKARTYTN TSLDNIVGQWHSIQSVFKLM
DYTARAKGFAYGRVGMFRSDALYVTP IDIARLGGTD RYDTTNRCFVTPSFALQP VNDRMV
YGPYGA VKI WATKRFDLLED RASKQTD PGWILHHERFLNASVFPAMEAAGYEHSLE TNGI
CSLRTRADRS AVLSDCCTDGLLP THRATFWNDPGEAAERARLA AVE SIVGRKCSLEDRGS

KWRFVAVCGEERPAY

>comp3084_c0_seq1; 138 398 1345 LEN=1364; translated
MPPHVWIPKATAHAASRYASHRREALSLYREILRTARAFHWCDEEGRPWNERLRREARRE
FEARHETDPLVLARLLVTGRDCVQQVQNKFNADRAAPGPDPPGFRGPGVMRSGGDRSV
AFRFVAHNAPGPVSTVWHALVWWWFASFRVGVCRSRAHRWPGEDATQSPPRDAVSRTLGG
VDGTARHGTAPDSXGSDGSGGPFGGGRAADPAPGKAFPDRAPERIPPEEAPGGLRFGGLHPW
ALNNAERVAVPGGRAARSVGAALPPCTALWAVLVDHGPADTDGWTLTLDSEPKSRHTPFIFG
GVPVVFVEVPYDKKK

>comp3085_c0_seq2; 135 1 980 LEN=1062; translated
XFPEPIGAPGECHRIAAPVTCASCRFEAPRSLGLHGPVPPFAHRQRARTTAPPDAPARCP
WRNAMFHAGRIAGRSRISPTVVKLDITVTTPLASFLPGQWVDLVAEGQPWVGGSFIASS
PRDLPTLTLAVKRSGDPPAAWVHDADRSVAVGSPVRVVRVGGSVLTGPGPLRPSVFCAGGI
GIAPVLSQYREFLFLRGAAAEGSPAAPAMLLYTASRAEELVFGGELADLSREGCTAGGGS
DRVVFALTREPTGWGSERNGDSDSDRTFPPHVELRTGRVLKEFLDEGPADADYYLCPGS
MIDEAVAHLRGVRSIPHEQIKYEKWW

>comp3086_c0_seq1; 135 1 273 LEN=711; translated
SIPFHSIVTKVVRRLLLEAGVDATANDNAAIQIASENGHIEVVDSSLRAGADATANDNAA
IRLASQNGHPKVVDLLRAHIDAVIDRKRKR

>comp3087_c0_seq1; 445 365 1391 LEN=1391; translated
MGDNGGHRTKKRPLSAASEASEATGDNDSEPPPLYLEEGLFAVTKPLGWTSDQDVVGKI
RFVLEKDARERGAAPDRRTKKRRPVMKVGHGGTLDPLATGVLVCGVSGTKDLQKYLVGSK
QYRAEVTLYGQTTTLDADPKGEVVEEKSFDHVVSYDEIDAMLQSKFTGTIQQVPIFSAL
KRDGKLYELGRKGQTAEEIKIEAREVVIHDLKLRPDRSGSDSDAASEPPRIEKFEIE
VECGGGTYIRSLVRDIGIELGTVATMTALERTKQGRFLPEHCIPYQLLGDPEKQKQGS
DEKTGTVFIDKKEDCNWTVETITEGIRVCRSNVLGSSDDDDDDX

>comp3090_c0_seq1; 271 1 542 LEN=542; translated
QHQQHEHQHEHQHQREHEHKKFKHDNERHRSYMLYTQKAGLALFQONATPSFANHTKEHN
GIIGNNTNTNTNNHTIDRSTNGGNEEDNNDWKEFFDSAESPLFGKHRELRIHKERLSSA
SGSVDDATEAEGAEANTDTDTEPSVDSYPIIRLSEPDSSSTISTSLSEAVYDNSSSSSN
X

>comp3091_c0_seq1; 271 236 658 LEN=863; translated
MAADAYAEELSEEDEPADFSSTLAETTSFPAPPATDVAIKVAAPSEITANTE
WKKVRLYQDEMGNSSTEPKPIQDTRKNWKYFTPVCGCYDIDETWSMLTTSTTTGPKKSP
QGKIMWDFVFLNAGCDG

>comp3093_c0_seq1; 266 1 1001 LEN=1414; translated
GAAVAPALIHGAMEFFAVAPDYLGPLAAPAGALPGTASPSFVELATLPDGSQIVAGGFSW
XTPGLWAGVAPSVVTASFATGYVSSLGVGMAVGRFGWNALSDSLGRKNTYSLFGLGIPLV
GLAPHLAHAHAETASVGGMESEQLVVPYLWAFYGGSVLAITFYGGIFALSALPAYIADLFGQ
KHAGAIHGKLLTAWAASAVVGPMLGLYLRSRSDVNAVGDLLAIGNGGQEADEARKSVFE
ETFGCGLDDTETIEKLIDAKTISIGRLMELVPEGTVDPTPFYDITTCYASAGFMGIALLA
NLAIRPLEFVKIGARAREPNDENGPRQETESKS

>comp3094_c0_seq1; 211 328 1170 LEN=1516; translated
MLTDYSKWRLEVVSSSDGSDGSEDDAHPAAPRVTRLEAPSRITFGGGSPTIAASPPAPGP
RASPAAPLAPREAPAPEGTGAAGAPPGNASAPSAWTERGGLVFDAAAHGHRARNLYW
SQDRYSVVLRLLELEGAEKVGSVTVGGILPYRDRCAAAGTARPVLSAGSRDGTVLLEGELP
HPVHLDEDEEVVDWSVEAAPSEATGRYLCVALRKAVPMQGLSVWRRPLTEFPEADLGAI
RGAELSKGGSDEFLLRAWEEAHKVFREGKPKRLPRNGPGGP

>comp3094_c0_seq2; 211 328 1170 LEN=2157; translated
MLTDYSKWRLEVVSSSDGSDGSEDDAHPAAPRVTRLEAPSRITFGGGSPTIAASPPAPGP
RASPAAPLAPREAPAPEGTGAAGAPPGNASAPSAWTERGGLVFDAAAHGHRARNLYW
SQDRYSVVLRLLELEGAEKVGSVTVGGILPYRDRCAAAGTARPVLSAGSRDGTVLLEGELP
HPVHLDEDEEVVDWSVEAAPSEATGRYLCVALRKAVPMQGLSVWRRPLTEFPEADLGAI
RGAELSKGGSDEFLLRAWEEAHKVFREGKPKRLPRNGPGGP

>comp3095_c0_seq1; 151 458 553 LEN=553; translated
MKDSEIEDDAALVDSFFSPGGLFADENNNNNN

>comp3096_c0_seq1; 110 56 1232 LEN=1647; translated
MASRFLKRRFTTNLLGWPTDVTSDPNPASCHNATVHTIIVWIPGNPGQYDWNDFLEI
LSALGHGYAIRSLSHAGHGLMVSIGENCGADHSSSTMDIEGHCHRCRADNEETNGPSPRI
PWTVKGQVLHKIAFVDSLREITGGDRYSEHERKQTCRFTPNPRFIFIGHSFGCHI IQRM
CVLRPDILERTTGFLFLMPYIRTKPLFVTEKKKLDVGGSYPEHLILVATKLSQLLKFPE

PIVRGLIRKGLQGDSSGNDDGGIDGESIANVTTKLLCNPLYPRNFFELGTEEIRDIPNEI
DTTALRLLSSRLLLLPQNKTSMTGTSQRDVAQKRRIFILYAGDNDQWCPSFHGEEINALQ
SVKVLPAASIERTKMSGLNMTTFAKIQRRDPG
>comp3097_c1_seq1; 158 1 313 LEN=569; translated
GGALRPAPPGLLPLDLQAHEEQAARGLARGEYRAIATTTYGDASFDNAFSENFSDDEEED
GYEEDSSWSNSGNGRVLLEMSGLGKHKQGGHDDGLSLEEMNG
>comp3098_c0_seq1; 187 672 1361 LEN=1361; minus strand; translated
MKTIVFLILFASLSPPAFVESDPELPCPEVIGDEGHCAPACYCIPDDPGRCNACPGVGNR
QFAYLSGSSEVFFAGLEVEEASVFRLLDPAGCNPFPAVASVLNQTLC SGVTTAGKGGTET
KTKAVGDDGNGDIANGPVRCVFEYKRSKKGKSEGDRRRYSILEEPAPFKTTKKKSKKNPK
AAKRDAVLTHVSGCVCSAQLAVNLSPTLDVDALSCTTKASELLADT
>comp3099_c0_seq1; 407 1 963 LEN=1136; translated
KEAGEGQGKEAVDSFVLDAEVVAYDHEKQQLVFPQVLSTRKKTVDEGETSKVQVIVQAFD
LMYLNKGSLLGKTLKERRELLKTHFAPVEGRFQFAKYLDAREGDTTVLEQFLDAAVKGQ
CEGLMVKTMVDIYEPSRRSLNWLKLLKDYLDGVGDSFDLVPLGAYYGRGKRTGVYGYLL
ACYDPDTEEFQSVCKIGTGFSDDELQSLSKALGEHELEGGKSSQYVVSESLPEPDVWFDAV
QVWEVKAADLSKSSSTHKGALGKLEEGRGIGLRFPRFERVRDDKRPDQATSSDQVLDMYYN
QDSVKGQLGGDGYDDGYDGI
>comp3100_c0_seq1; 450 1 1605 LEN=1765; translated
AVSNQSLPAAGAGEETPWIVPDDYEEEEEEKPPPAPRPQKKPRPERKSIHVAMDLPKLLV
EENAEAWDEESAPVFDLSKQPDRIRRHRYRNRLYQRLWKKRKLARLGKTKQAYKLNRYR
VSAGGDGDDSDDDSDDDTDDDNHDDHDETTGGERSKDTIPKRRRTWLPRPIRGARSRLG
DVHRI LAVVVMACKLVPNWDENHRYVFSRGGDKSHHNSGGKPSGITTAEENSKNHSARA
MDRFVFPNRDHFYIGNGKTETDYLNFLEEFIFRGKSYALPKLVESLKEASSEGDGDANV
PDVDDDKASSDRCLVEESDDEEPEDQNDRTCSDITVVVPNDTVVEWRSRRKENNTGCLVG
SKRKFQCWTRPKVDSVPYRLTTVTDTKSLRSLDPLGSLIEYIAYKTETQPDILQLLIL
LDKEMSVKYRRSMKKCDRVAPSQIYKFVMGRKKKKKSKVLAVDNECQGTPAKANLLTDDA
NDDKTVDCSNHARLETISLLSPLQFNDVLAQESPEIGEGPMDDDVWSVGERACV
>comp3102_c0_seq1; 152 1448 1654 LEN=1968; translated
MGVIKAIVDSYPEAVLMRTNKGSSAKQCLSLTNAPNKAQMLQATFARVEQKYRPAQA
PKSERVLV
>comp3102_c0_seq2; 188 647 1324 LEN=1638; translated
MITSEDWHKVVQLCQGSPSEAKKWTTTRQGFEGMKDANVLP IHEALVGGAPFQIIEALLN
AYPDSVYCKESSYQRLPLHCACRKNAPPEVVDLLRRYADAALTPDSLGRPLPHYALSNG
ASPAIVDCILTKRPNASRGFDKRGWTPHLVACGVGAKMGVIKAIVDSYPEAVLMRTNKG
SAKQCLSLTNAPNKAQMLQATFARVEQKYRPAQAPKSERVLV
>comp3103_c0_seq1; 982 59 2567 LEN=2567; translated
MRYLSSRVLFYWISSLAFEKKSAAFVSPFFRRAAIQRAATAATTSGTRSSMVAATSASA
SSSAFSSRSIPKEETRIIDLQGPADGRGVKIAVLDTGCDLAAAGLQETSTGLPKYL
DFLDCTGDGIDITATATIPEVSNDDADGPIVIKKGSGRDLTLGAWAPPAGCTVRLGSI
LYDVI PRSVKRRLVREKAEAFVDEHRLIAQTQOTLDDLQSKISGFTAGNGDDDDAKEK
ADEKKQLIRQRKDAETLLGQYQAMMESYDDAGPYMDVVLFRDESDGDEYKAVIDLKADGN
LTVSVPFSAFAKHRQMGEFGFGSSVTFCIQIYDGGNTLSIVTDAGSHGTHVAGIAAANFG
EEDIKNGVAPGAQVLACKIGDGRGSAETGTGLIRALIAAKKYGCDLVNLSYGEPSWQPD
SGRVSEVFADATKKWGITVFTSAGNDGPALSSLGSPGALSSCITVGAYVSSDMMVDQYST
LPDGDGLRDASYFFSSRGPTPDGLLPDLCAPGGAI SPIPRHALQGKAQYHGTSMSSPNA
CGVAACVLSAVKQRLGIDRVSPALRKLGLSNTAVPVDVADPFAQGYGLVSATTAVDYILE
NRGKLAQDLTLDVSVPERNNARGLYIRDALELEGPMTFGVKVMPDFQHASTRTPDEMDEV
LSMELDLNLVPSASVWKCPERM TLMSAIERNQQQFSIRLAVEDLPAGVHYATVDGIDSND
EARGSLFRPLPVTVVKPHSAIVDATNPSASLNEHETITLGDNGIDYSMSYKLEAGAPNRRF
LEVPSIAEWATIKIKSTDPNPSPTSPGRVLIHAVPFVVRGDI PNTEIQLKKLIQITEX
>comp3104_c0_seq1; 532 1 1675 LEN=1844; translated
XHTCPQPTSIGWNRSKKVI IANGSTASMERSENENMNDQSRPMEGAARAXETDYETKVED
GPYLTVMARQSSIVSDLSSSTSDSKYSQNSFFMDTSNSEDKELKPARATTEENPRSLK
EVFDRMNCLALQDSTLIEKQALKMSCVDEKADAPRELSTPGEVIVLGSQRQNVYP IVTNL
GGRVKPHIVPTATKQEASRAGSYQTLFVSYDSGFSNSDAAATNAPKRIRIVDFFKCGQPR
FDSAAKSTDGYRGPF SYLVP I I SPSKVVASTSPRFLSVSMSMDELSCSMNSIAVEGEGKM
PEKGLGKTKMKQGMFQVPTAKESMFTKETTIEDMPFDLQSSTASTPKQGNKKGARNDSEK
QDIVGEEDGVLENSAPIAASSLALQSVQSDDFIGANIEAIEVNETGTIVNEDINTCETPA
EGHSPQLPFPKNVYLSHKIDAGQSEVQDETSLSSPMKDSYEENAKTVSKHFSLLTSFSTPK

LKRRLRALAGSRDKKENG FVSKKPKATDCDSPGANTTATILMDGSSFG EEDFSNSNGNQPFQLRPRPGGEQQSCFRLF

>comp3106_c0_seq1; 50 1 746 LEN=1468; minus strand; translated
XGQYPGRVPEKNTPTETEVRAHLGEVLEASRRSDATTNGGVCFVSLQSELPPQDDYDSWK
ASGGEIYLEGDARSEWPNPF SHYAPTVEWVRSR METDGDGDSAVEVQYLHHP I RDL SVPS
NSKHLRLLLWKILEVLNRESDGSNSDSMVYIHCWGGRRAGLTACLLALLHFASEGGT
DGGGNHDDNLSAIFDIVQTGYDSRLGSEHMPLALSRSPQ TDSQRA FVAGFYGEVRAAAAE
AGKNGNAK

>comp3107_c0_seq1; 397 258 1348 LEN=1704; translated
MEPRLSSAREACGAKDLRKASETTTTISLMLNSTSDPKSSQGNQKRTHPHS ISSAMEEIF
DYKKNKSEGINAHNHK RANPKSRLQLLHDHNI IENVMFLDEIALFQLENTHMNMIGQLL
FARQWY YLSICDEKNMGFAHKRWRSLNAEDITVALDETESPINLERGNVTNENDHGKNAM
LPDSLSSRELLARKVGRFFAEAEI FVQEREK DASRIYDFDRMPVKDSEIPLSMAHSSATD
IDSSLATSCSSSSQENFWNEWYDYRMNSVNDRYV FVRLSLRDGTGRFWHGFRRLTTEHNR
TFFRMHFGMKELIQDMQWTELESYVQAQDTGYTSAXKSFEDRKIFDAYDAVDSIFGRKII
DGDW

>comp3108_c0_seq1; 250 1 635 LEN=674; translated
XFINDFYHHHYHLGTHSNHYQQHYHHHDEHERESTHQTSATEGFRPWFDRSGLSTGPSSS
AFGGGAESP YHSHHHPPDGPAGLHQQAEDMPFAVEGIGNERSSPRKPQGSV SASASASL
QASMGVAPRRRLAMFGGGSAGGQPGSPSSAPKAPTKTQARASSPGADPVVSLADQLSEF
RSFGAGLSSVSGT PCGTAAAL TASVSGG

>comp3109_c0_seq1; 469 146 2098 LEN=2597; translated
MSNILRRSVKHGIGRLTASADGIPKQA AKNPSSRRLTQVAHKAPTRLIPVKKTSVQKQG
AAVCALSNYGAGMLQGD SAELSVHENS AKLALISQ GASRIYTRVPGEVK ARMYAKVEK
DGVLVF TPDPCVMFASSYSQTQEF EIHPEASVALIDWFASGRFKNQERWDFDKLTRTT
LKW MEDAENKNSAKEETNQIPFLQDSISIDLRLNSNSDKNNRSVHDTHGVADFNCFASL
IIYGSEMEAVKDKCQVLADLFAAQHTRIRERDNGEGDTMLRSVKTIDDLKLSGRIVMGV
SKISLPGKPSNAHVIRLAGETNEDLYRVFHECLIPLAPSF GFGFYKDRILAQRSEIPVQG
VTNEKQKIFETPTKKHQTKAAKSYPSRKPLESFNDFSQTSRSFWSVVMLADSGLPTGSF
AHSAGLEAATQLGMIRNEEDVCSFIHAATR SSIQLLTPFLVRGLRITQCETSNGSDKKT
EDLWEKLHRQCHAIMVTNEPACSASIDQ GKSLIRVA AHWLN GANESHEPTLPNKYILDCL
KSGSAPHIAPALGAI GLLGLDEVQVCRLFAYCMARDLVSSAVRLSLVGPLASVPMLDSV
QEAAEDAICSAYHDFRSNPEDPLLVA SSSAPVIEAVHPSHEVLQVRLFRS

>comp3110_c0_seq1; 321 68 598 LEN=701; translated
MTATPRYYP AEDLPASKPTYRVKQNP PRIRKSITPGTVLILLAGRFRGKR VVCLKALES
LILVSGPYKINGVPLRRVNQAYVIATSSKVDVSGVDVSSINDEYFARSKDASTEGEEFF
MGDAPKAAIVSDQRKEDQKKVDAALLKAVASVDMMEAYLAAQFTLNPNDKPHLMKF

>comp3112_c0_seq1; 286 82 972 LEN=1013; translated
MAISSAESNFILDGCQDDCRADGRSRRDFRLYSSVVGDFALS YGSARIFLATKENHVLVS
IKAEMAVPASSAPTEGAVEVHVDCVKGTNTQDDDESTISNLLVPHLV DKNRNCIAPGYF
AWKLNIDL FVVNSGGGLIDACSQGIHAALQOTLLPRISVIPATQGGENKPTLQIDSDIK
AAGKILGVGNAPIIVTVTVLKHKRTHLLIVDATTEEEICAF AKVHVVLDRGEPLSSSCRK
RKPTICALHKAGGALPFEILQDVTSFVLEASGSSCAVESESLPHLLQDNFSIQQ

>comp3114_c0_seq1; 148 1 232 LEN=232; minus strand; translated
XLLVVVVVVDLALDRIGSGGIEGYFCLEEFVAVDEVEEFSE DVDEGDEDGYSFWLSRSLD
RLDRLDVGRWLLLLLLLLL

>comp3115_c0_seq1; 348 83 556 LEN=705; translated
MARGRRGGMGARRPAARSPPPSRPASTKATPAPAPAASAPAPMQQSRGGGMLSGIGS
TIAQGM AFGTGSAIAHQAVGAAVGAMSGGSSSGSDHAAAPAAQPQQAAPADNGVCSNDK
QLFFDCLKSSNGDAQACSF LYEQLQNCQQQSATQTFY

>comp3115_c0_seq2; 372 57 799 LEN=948; translated
MTRTSRLNRSEEPKPLGSSHETS VSGXILVTAHQVFL EETSRLRNDFVAASRLVLILSCF
FVVDAVANTTAPCTR CGYGTNTCAAFHPFD PQRGRGGMGARRPAARSPPPSRPASTK
ATPAPAPAASAPAPMQQSRGGGMLSGIGSTIAQGM AFGTGSAIAHQAVGAAVGAMSGGS
SSGSDHAAAPAAQPQQAAPADNGVCSNDKQLFFDCLKSSNGDAQACSF LYEQLQNCQQQ
SATQTFY

>comp3116_c0_seq1; 477 78 1607 LEN=1723; translated
MGGGISKHGGDEAAVRAASAVGDQPGQPPQS QPPPQPPGSEPDAGDEPPASKCPMHKADG
SGYSYDWKQLFRAAVHGP GSKPLSEKERA EATGATGGGSACPVVHDPAAAGGCPVRA
PHPEYDVYSQPIDKTNNMPRGASVQLPNASQRIELSTERVSS TIPKGGADGSSAATWTYP

SPQQFYNALARKGKFDANGGESEVASEEDMASVVALHNNMNEKTWAKVVEWERQTYSEAS
APKLLRFCGRPHDLSPKAALKHYLLGHPLPYDRHDWTVLRDDGSTVRYVIDYYYYDESRAG
LTDDSAMPDLHRSATPSLLVDVRPALDGPGLSLLARGVRMPYRMATGQTGYEMLPLRGT
ELADQVKESVEVWKS IQQTRARQEDEKARKEAAADDDGTAEGFDVSEDRAREIALGFARA
LEDCSGVRERMANCSSEDECSRASMDLTLFCGKHLCSVQHKSLLGALKEKDGDDAKAEAL
ETLTQCVMLKSAERRFAREQHPGLFEERE

>comp3117_c0_seq1; 267 1 940 LEN=1067; translated
XSVPTIVAVQFAVQTTAMQLEMVTTSSLIDGPSTNSGRSVTLANSHPFSQSQPPSLRRLY
ESMVRESSSTDYNELYEERTTLQREWTQFLESVDVGDHNLDPDIAPQTSSRDRNGRNEW
PSPETPTAGLSASSCTLEEATQISLMTVVTTTTAEDAHLVCSDESSGHCSACQARSQTKT
DPRCAAAGTQLDLEPEDTEEAMVTFRCLNEQVDXIAWDPGVIVADGGRLLPNNNNNNKLT
PSTTDRSSNTKRF SVETASFGSFHGLSMVGGPPVTTQQRSDVQMPLGDTVRRCLYTSDDD
PSPFEKII VFALD

>comp3118_c0_seq1; 177 1 439 LEN=1134; translated
XAMESMQWKDATIRTEENDVFEDPGTSHPGQAPGCVETKPPPHCRFLFRLAAVSAGASSV
LAACVCLEPNSTARADRNHGWFALTAAKQPTRTLQSAAFPVGNKCSSTLVQTF SVGGLPT
GDPWLPSLDPWLFSLGPGPKPSQV

>comp3119_c0_seq1; 405 58 1229 LEN=1229; translated
MADLYNLLDELEENEAFDDDAKRDPRRLTVETAATDGLSDDDDDDNDYEEFDAPT
PRVPA ALLDRDEDEDESGDPFYPAPKPRADAFSKAGLDLHDDLDETHKQEQHGVPNELYEK
LHRHW LQERHCPELLGYDEAMVGE LRRERFEDRQQADDLVDSQDPVEVLMANLAQQDL
DRARFVL SDWLTHRLHKIESHPLHMREKIERMSQNEIDYLAAYGAMVHHHLEQAVTRS
IPHAWNQLD DPGMIDQPDYEGYHFWLVREAIVDRDENEHEPGSCLVAKYLD MKENMN
XEQGGTARLRAG GQRAIGRATTKGTGRSVRFLSMEGAVRCVWSFRTRVRAMVCSAWL
VRHARAAMFGEPEH ATAGGATDGSFGLLGRGESNR CALGGWRV

>comp3121_c0_seq1; 489 474 1847 LEN=2037; translated
MTKPSSLCVLLILSATCSSVWARSRFSPPGSIAVLQQQRRRMQTNGDDNDGIPSPG
SALV FDPPILTTSYVGGDCTGGGGPDTIFPGQLASIKNTAYGEFCIGDLVDGQIEY
SLLDEITC TPWGI FERY SACTDETCNCTPEAISYFQLEEILNEPNGYCYDLTYSR
NPTS FDSDELFR VGYMFDDNADMSAASDYWSLIGLNSCISTMVVEEAIDDDAALAD
DKLVNRSVSYNMYCFL LRS LQHGN DVYWR RAXNELLWYNTNISFEGMVL SFLIEI
ILTACDRLCATSCHFCPSLWPP LTYLLMYRTADLICNTAGYTVLCDLFTKWAPEV
YEAAS TDY YTLFAPS DVAF EKISG PLT DGSL SDEEIGAIFFYHATEGFVMMKDL
VCGEKIE MAMAGNSR TKCTDGGATMFQMG GGNR SNNLFPVIDDADIMACNGI
IHLVSEVMLPNFVPEGFV

>comp3121_c0_seq2; 513 474 1613 LEN=1803; translated
MTKPSSLCVLLILSATCSSVWARSRFSPPGSIAVLQQQRRRMQTNGDDNDGIPSPG
SALV FDPPILTTSYVGGDCTGGGGPDTIFPGQLASIKNTAYGEFCIGDLVDGQIEY
SLLDEITC TPWGI FERY SACTDETCNCTPEAISYFQLEEILNEPNGYCYDLTYSR
NPTS FDSDELFR VGYMFDDNADMSAASDYWSLIGLNSCISTMVVEEAIDDDAALAD
DITCQSI PDLICNTAG YTVLCDLFTKWAPEVYEAAS TDY YTLFAPS DVAF EKISG
PLTDGSL SDEEIGAIFFYHAT EGFVMMKDLVCGEKIE MAMAGNSR TKCTDGGAT
MFQMG GGNR SNNLFPVIDDADIMACNGI IHLVSEVMLPNFVPEGFV

>comp3123_c0_seq1; 950 1 2272 LEN=2363; translated
XFPPCVCGCCLHLHRARFYRTHHRATFVFTFTRYDGP TVKTDGAEGTADGKHA
AIENEGG GREEKDAVDSTTDRSLTTETRLQDGLEAVDGDSSHPTIAGASILSKNH
SLLTTTESTAQK PPIKIAEEGADPVI EDVQSTGAEQE QDKEQGDVSSSKRESQ
SMEARSEETTEDDPTNRL QTSTNQDDQTDLPDEVTGDKSTPDPDIEDASTNNS
IDIDIDIDITAGETKKADLEATN PEALDEVKAQRPI NDGEIGTPKDGEDDGADSV
LESTKKEGAATSAATEDV LIDAENSSE VETDQETS PETKDATGNGAETVFP
IKDNLEDKPKDKEKEHEGVNDNVFEGSEITATPGDA RNIHNNDLPIQNLQSD
SKNPDDGKPPDAARDEVTE SLGDDAGDDADY SKSKTVSSGGPNQ HNVSSK
TATDQSDLEETIENSKDKTTAGMNGIEDAQSGTIDIDEKNTESHTDNVMDEEL
LSWMTTSTETNIDDQLGNAGSPPGKSDGDKVSVIDEELMSWMTTPNQDKVEDK
SASVPV TPFSGSNGDKSSAVDDEQLMSWMTTPNQEKEIEDDDADRNGGNLLGEQ
IVSALDTAEID VVGAEGDEVIAPETLADIMLENIEKDAIKTNKVGRSLFGAN
SLYSIGGETSISNTELEPP DDAFTDILLRDIANSKHLEAEDDSVEQTIGEEMV
LVADSILNILLPDGEGEPEAIPEDAP SESTGSAEKGDNGSDGPSTSHRFELK
PDGSGGSGLFY

>comp3125_c0_seq1; 213 120 939 LEN=1003; minus strand; translated
MATASGRNLAVGGDSAEPAGACHLLRLLRVTNGGSRKPAKARRKRGNF TAGEHRP
GRRD RQAKTRARNPTIVGWKINAEAA SNVRRMERFDIESNRLV PPHAGPHSRQ
SSTFNNSLHS LWKELSVYAVSMLC IFSTNGAXDFRGLAAGTSLPEKGS
GAADRPAAGPGXTKEDSADRWQ

AAAGDGNTRVACKVRGPFVWVGCRVAAWRRSMAVCCLGLFRWRSVAFVRLLESRS DPRGT
RPN SGVVGWCSEKWIGAESSHRGISLISWIAVT
>comp3126_c0_seq1; 303 122 1033 LEN=1174; translated
MIADENKEVLEKALGKLLGFEEGEAEDLLDHLFSIESEEDLSEYLAQLLGGNTPEVSHFV
DSVSRHRKGECLSSRDGGDDKKEAPSKPPAGEDTAALDSFRMMALGKNTVETPKRGTNSG
RKKEAKSRVPPPKKYSKGQTQEPAKTTTTSVAQTSIRSKPQSYNTQPEEKKEEETT VVKK
FHP SRGKAKVVC GFCFGSKHKALTNCLYCGRICCEAEGYGF CFCGFMIEAPVAGGSGKAF
QOKERLLRFDRDFARRTEVFDDQADYQGPATWMTEEEQKEAEANEQKHLET LKRPKQKLS
LVL
>comp3126_c0_seq2; 226 122 803 LEN=1367; translated
MIADENKEVLEKALGKLLGFEEGEAEDLLDHLFSIESEEDLSEYLAQLLGGNTPEVSHFV
DSVSRHRKGECLSSRDGGDDKKEAPSKPPAGEDTAALDSFRMMALGKNTVETPKRGTNSG
RKKEAKSRVPPPKKYSKGQTQEPAKTTTTSVAQTSIRSKPQSYNTQPEEKKEEETT VVKK
FHP SRGKAKVVC GFCFGSKHKALQIAFTA AEYVAKPKGM AFVRFADL
>comp3130_c0_seq1; 476 127 1086 LEN=1228; translated
MIRFTPALLSLALMMAMMGPLVKAFVLVLPKIGNSHQHCFQELSLSLSLASDAGSELEMG
MTP ELKRVTD AFASIEQE QVRYKQLLYMAQTTEQVNNMP ESSKI QENKVP GCLSTVFVDG
EAVYDDEIGDYVIN FQGDSDGLMTKGLVALLVRCLSGNTAEAIQKVDPQFIKIARIDQSL
TPGRNNGFLNMLQTMKNKATSLDEAVRTSGASPDGDGAGEDGAAAVVDGDEANGSSTNH
AAILAALGALKPSSLT VTDNSPDGEADTRFVVEIVAPAFEG LNVIKRQQLIFMILADVMP
EIQDLRIASMFTPEEAENQ
>comp3132_c0_seq1; 429 112 1449 LEN=1535; translated
MEVNKEQAEKCKTIGANALKQGQYDRAIKFFKSLHLYPLPGVDTLLETAERMARGESS
NNYNSGSNANSYSQRSSTNGASYSASSSTARPAPAPAPAPSSAPAPAPASNGRSYTPQM
ETVERIMKAKEGGRGAHYRVLGITQ NATENEIKKAYRKTAIKVHPDKNSAPQADEAFKAV
GLAYATLSDPQKRTIYDRYGEEDPDNRGGGMGMRGPGGMHFRPGQEVN PEDIFNMFFG
GGMGMHRGPGGVH FSTNFGMPGGFRQQRRQAGGQRQPEPEAPGLANLIQ LLLPFLVIM
MLSFFNQSNDYAASGGSNSGKSRSPGLNKYFTLHQEVPF INPLHTKLT KVKDIPYFVDDK
FMRTL YRDRYQLAQVERMVQTAYENYLVDACNDQRRHKKNL LKEAETKATEEEME IARRT
AERFELFRCELNNFFPLRNTGRRY
>comp3132_c0_seq2; 367 112 1161 LEN=1748; translated
MEVNKEQAEKCKTIGANALKQGQYDRAIKFFKSLHLYPLPGVDTLLETAERMARGESS
NNYNSGSNANSYSQRSSTNGASYSASSSTARPAPAPAPAPSSAPAPAPASNGRSYTPQM
ETVERIMKAKEGGRGAHYRVLGITQ NATENEIKKAYRKTAIKVHPDKNSAPQADEAFKAV
GLAYATLSDPQKRTIYDRYGEEDPDNRGGGMGMRGPGGMHFRPGQEVN PEDIFNMFFG
GGMGMHRGPGGVH FSTNFGMPGGFRQQRRQAGGQRQPEPEAPGLANLIQ LLLPFLVIM
MLSFFNQSNDYAASGGSNSGKSRSPGLNKYFTLHVSGWSVLMFRGLFHC
>comp3133_c0_seq1; 262 1 938 LEN=1385; translated
XGPQAKSLAVALTARESLVENGFGGANWPGGT VTKGDLIAVIATYRAWKKHRSDQKRRSFC
YQH ALDHATLRDM DRLRGQFRELLADAGFVAGSSSRGASGEEQEENRSNAASEDALLTSC
CLVAGLYPNVCSLMRPRRGPRGGGRLLTNDGDECRPQSSSFQRRVRQASETGRDAYAV
YHSKHSRIGTSSGTAKERPPEVFLTEVNFVSRFALLLFGDLEIAGNAIVVDGWLKFKVG
DEKEEGKASSKSGRDTT DNAVLL LALREKLD RMVLEHV VSESGACGPDERAAMEERHSV
VAVVRKLLAEEG
>comp3134_c0_seq1; -16 526 985 LEN=1042; minus strand; translated
MPSPFPESGPPRTICXTSASTSTSVASDSQLPPPPGEPASGPKSDTGRLRRSYSSASNQS
KTSSSSSVM PDXEALHAVLVAGVLDGGKDPARHRVPGVSPGEIGRPVFDGRDPSDQGA
EDLRGHERPIDEA AVTGGDGKQHSVAGGLCIVR
>comp3136_c0_seq1; 333 1 1557 LEN=1909; minus strand; translated
GDDRDEMPDDYYDEDDQFYDEQDEEDRRKRARLRRRAWICCFVMLCCLLLAI IAFVIFL
ITRSK DRAPEPTPMPTMEPWVPDTDDDYMYDDDI ILNPGVVTAPMAPFN RDCEESEGIEY
SGEFRNIMDQACLGEIVDVPDDVAEMRNLI IERVAPK FYGPNFTI PLNSCDPANMAATW
LATGDNRDGGEARQRFAMALNFYQLNGTVWDFMDGWL GPFNECLWMGIQCNNKGI VNSLA
LDANNLFGPV RITESTVQSDAMLELVISFFKSLQDALYSSHPADTNFYFVTIVGLNNRQI
ICVLF PTEIAKLTGLASIAITRTHLTGTI PTELF SMPK LKELRLYANRMTGSIPPEIVKA
TKLESRLLETNFFHGELISEIGAVSTLTDLNIGFNDVQTIPT EIGKLNKLYLRVSNNA
LSGR LPSEIGRIDALEVLAMTNNLFFGSI PSYFGLLWNL RDFRITGSGVGGFLPTELALL
SNLERLDIAISNFHGTLMT ELGQLTNLCKSLLEIRMRW
>comp3137_c0_seq1; 297 1 1157 LEN=1314; translated
NENDNDNDNHENQNDVDYDCDSSEHHQRGAIEASASSRSPPGSPSQLHKTIE NEFG RYS

TDSNDTPVTCNKSLVVLPTPPSPHGNGGDGEFLGNSNGSLSGSGTAAHAGDPNGLFGKPPK
TILHRSLSLGDALSPTEDDDGSPIRWHRPSGGVEEHKDDVANHPGRPSARQQQIELLQLP
VMEEGPRQGLPAGFVGESGPGGQGSGLHTNAPAHHGLAATRIRDENDDVSAALTSSTVSSF
VFXEGEPAERDHVVSPPAAAPAGGKGRPGSRPPRVFLEDQALCHRKVVPVPAKAPTPAH
AAGAGGCRHGGRGLVPPREAAAALSVHPRPAPGRPAKNDGGEPAFSGGGDQPGGEPSIT
ADSPPSRLFLSHARWYLVAKLVAA
>comp3138_c0_seq1; 660 323 1936 LEN=2071; translated
MNDPGPAPDGNIGNDTAVFTGVPTTPEDLYGIMLFFLALVLMGDCVCQRLKIVPSLVGY
ILVGIAFGPEGFGVLGSNTEETLAVLGNLGLVLLIAQAGLEMDYATLRLVGLRGVAVAVV
GTILPVSIGTAVASRYLGSWRSALSAGCSFGPTSAGIAMNVLGQCTVRPARSGGGLSSPG
GGSNEDGGSDNGDTSGLSVLRPLVQGLIVAAIVDDILALVVLSQLQALTTTTTTDAAG
SDGGTNNNIAMDIALPIASAVLWLVVGGGIALWVFPVRLSTIFDRVAKGRPSVEGARESG
GLSLGVLFGLLYTLLPATYLTGASHLLGAFSLGAFRCRDPDTPGASLFRSRFGRLVEWLMK
LFFAASIGFQVPVRSFGDTEVVSRCFFSLALLGKLAVALMTPTNLDPSGERTSSSDSND
GNDDNGHPDTASPNARSFCRKGHARDCFVVGFSMMGEAEFAFVAVFVTEGLVPPDIYA
SIVFAILLSTVISPLLLKTTLAFPPYDYDYEQHDSQSVQREDSEPAIKGAKAAIEAE
>comp3140_c0_seq1; 367 1 1133 LEN=1183; translated
SSRDSIHVHMKTLRIITASTRSKIPSSLSPPSPASFPFGRRRSTRFFSLYTAATSL
LLFPSSLGVTALANSNSNQQRAMSCRKTHVTDRDGSMTITVSPRNEAEQSGLLVISHG
LGDTAEGFADVAEQFASEMPWLKIVLPTAPTQKVTMNMGMAMPSPWYDIVGLDERSNENCH
GIDESRARIAGILQKEHDATGLPYSRMVLGAFSQQGALSFLTGLQLESSLAGILVMSGYL
PAASKLKLSTQDTPVWHGHSADPLVQYQMAEKTKSILTERGVKNYSLNSYPIPHTVSPS
ELGDALAFKTVLPFDESIVKVTLKDPKMSVKELKAAIRKAGLSAVGLMEKSEFIKMOVQD
HRDGKLTSTNFDTFTTV
>comp3140_c0_seq2; 170 259 741 LEN=823; translated
MVLGAFSQQGALSFLTGLQLESSLAGILVMSGYLPAAASKLKLSTQDTPVWHGHSADPLV
QYQMAEKTKSILTERGVKNYSLNSYPIPHTVSPSELGDALAFKTVLPFDESIVKVTLKDP
KMSVKELKAAIRKAGLSAVGLMEKSEFIKMOVQDHRDGKLTSTNFDTFTTV
>comp3141_c0_seq1; 319 134 1195 LEN=1241; translated
MKLLQRIRALDASRRLDVMNKYIPAVLVENQKDFGESSSGVCVDNTIIIGHIHSIDLIDLM
RINLDEGRDDNSFCDSFLFPPLDDASTSSLTKRFFGLRVNEIPQGESPIARTDARNAIL
EQFTSLLLECKVISKHTDMYPVKDLRNDCEGEILAEINRSAAPFLGISSVGVHLLCYVR
GDGTSRDDDVTCLWLAQRAANKSHNALRWDPTVAGGQPASLSLFDNLVKEAGEEAGIDPC
VVARNAVSTGCLSQMTCKPNGACMKPSLYTWDQVGSNFPVHPADGEVAKFQLFSAKEL
EHEVRNGDRLRPAMILVVTFDLIRHGVITPDNEPDYAQILAAMHRERLILDYQ
>comp3142_c1_seq1; 206 560 1093 LEN=1143; translated
MKTGLFLASLCSLNASTSAWTPASSTSTSSRRGFLDQAAKIVPLVVVAAPAFADDEEVAAV
APEAAAAVEAEPETPADPAPATDENEFARLKAQSEANKDKYLAQSRMNDKLSKRQFNSQ
YDRPSYVGVHTADNSSVKMLLKADFEQMLKEGKIEQKYESKVVKKTGEISDDFSKPIW
>comp3143_c0_seq1; 283 126 853 LEN=1811; translated
MTASGSGKSLLFVTNKMCPFAQKXELKRYNHPCSFPYHWIRLGSNDTNRNTYIHSFLK
AWIALEAAKVPFKFEEISLYGGGGKQWFRKLNPKGTVPVLVNDGGRKGTENAIVLADS
DLILDDEMKLVDVSVGESSASPLTIAPVDDAVRTKIDAFRSSLTEFLPIGKSAVLGGDKER
MWTKLRELDTLIDTANEGQPCFLAGTDKPSVADCAGFPFLWRIDDEFGAGSWESHGCSNI
PVW
>comp3143_c0_seq2; 313 126 743 LEN=1701; translated
MTASGSGKSLLFVTNKMCPFAQKAWIALEAAKVPFKFEEISLYGGGGKQWFRKLNPKGT
VPVLVNDGGRKGTENAIVLADSDLILDDEMKLVDVSVGESSASPLTIAPVDDAVRTKIDA
FRSSLTEFLPIGKSAVLGGDKERMWTKLRELDTLIDTANEGQPCFLAGTDKPSVADCAGF
PFLWRIDDEFGAGSWESHGCSNIPVW
>comp3145_c0_seq1; 230 982 1485 LEN=1509; minus strand; translated
MPTSSRMIDSTIEDQSMGGGSSSSTNNSKCPDTPKHNEPQQKGTGKLSNITETSAHISGG
PSVNDADTSSKVKEEPLNEVSNTLESEKLGNDHDFSGDTSLQEGDSSKVAATRSSPSRA
PVISRNYLFSPLVSLLSVSYKIERNTMKMTPWVSRSLSTKPYIFPCE
>comp3146_c0_seq1; 309 136 1284 LEN=1323; translated
MATSHPTRKPRNRWVYAIAGFAGIAVVDVAVSSQQRGVMGKPGDGGFSKAAETGAHS
TRITVSRHGGRTNQHAPALQSTAQAKETPFFAEFKEPSVARPSATASATPKASSPPASA
MFRGPDPAKPDYANIHGPLGKAVDDVFLWIFRTRLAEFVGVDSLPLKTDYDGLIELTA
ALNARYSDREEIQTIAQKTLRSLFSPWLPQGFALFARPFPEFSSRMNAWATYMAGTWLM
GECEINDIEIDGTTYKDQGLLVKRCRFLEESGCASVCVNSCKIPTQNFFAEDMGLPLTMT

PDYETHECQFAFGRAPDERDEFDAKNTPCLSRCPTAGSMRSWHSGGNVASVEGPTSFDAT
AGTAGGEPGGKCAF MENAPSER
>comp3147_c0_seq1; 402 1 1272 LEN=1319; translated
VIVTTSMATMGK FALLSRVQYATRGAQAQNRVCCA EKASILATQILGRQRKHFTSSTTTT
MEKETTTTEVKDRHLTLLEVEAICSKALSSSGLNPDATAAITEVVTV AERDGC HSHGLFRV
PGYCQALLSGKVDG SVKPKVHDVAPGVVRVDAGGGYAPPAILAGRDLAIQKVRKNGISCL
AIHNSVHFAALWWEVEALANEGLVSLAFVNSRSFVAHHPGGKRKLYGTNPMAFGFPRPIG
TSSENEARGPLVWDQASAAMARGEIQLCERDGH TLSEGVAIDRHGQPTTSPEAALDGAQL
PFGGHKGLSIAMMVELMAAGMTGSQFSFEAHDNDDDPENSNGPTNHGELIILIDPVVTS
GNDYLQHCEMLFERILEEEGTRLPSTRRYANRLKTPSEGISIPLELYEKIISLGLLEDGGP
TPK
>comp3148_c0_seq1; 204 83 1027 LEN=1340; translated
MLARGDMELCAANSSRLTAVYHRTILGITEDFRHEVAWCVSQKILDRLWDEDGATSAGE
CEKASQNARPAFINASAENSPVRILLCCQCGFRLHPGWGGTTLRIQRPKIPCSSSAKKT
LRRREQRRRRKATRAEESRSKDHNRRLAVAPSSTVESTGLEIGVILRDDSSISRLDRN
HLVLTGCNQC HKTYL KGLRRELENAHAGFAKSALQSSVATQSQKGP GKAPAAACVRPHDL
GQSFELV PKLERNPSACIASASKTSRISANATSSTLSLLEQKGGRRKKRKKSGSNPTNQK
SGNLLSFLSSLNDH
>comp3149_c0_seq1; 344 1 788 LEN=1078; translated
XSSSSSSLN VFNPF AKKEAAPAVVEVREEPVPGPLETQNYVAGAVWITLIAFAFGAAPG
ELNSAADQEMVTTLV TQPSRPEQINELWF AIWNCFAVVPALLAAL EAPVGRGQRLPAAP
FLWGSAAF GYFSLG PYFATRMRTEPADTEDLGWASRNIFENR LFGVALSALALSIPFSS
DLLGCDVSATIGGFIELASTSRFVSVASADIVIMSLLA AVLVS EDAKRRGWEDRSVPLLA
ASILLPVITPCLYLAARPSLEE
>comp3150_c0_seq1; 237 1 1169 LEN=1277; translated
XHRHRHRPGAGIGSTALV LPLLLLPLLP LLLALAPHR SVSAFAFRQPAVPF SASPAAAG
RQGS LPRGTALRLASEPNSSGDSSSGDGK HGPPLFRFR RATPADVAPCFEIESASYPPDE
AASLRALADRQSLAGDYFLVCTEETTGAVAGFVCATRCHAFTEASMSEPHDPAGRLLAVH
SVVVREDHRRKGLATEMLGRYFEGIASSE DGADASEQPP IESVVCIAKEHLLG FVYRCGF
RVNRPSPIVHGRELWYDLERELRTPNKEESSSSSAAAAA PRTRPGPGESWFC KTERFKP
SLSFPEIKPHLEAHSEWVRSLSRSGEACIVSGYRVDADGRPGGGGLMFLAAASHEEAELEL
VRKDPLVANGCVDWELNGWIGQVGGIRAE
>comp3152_c0_seq1; 149 1 778 LEN=831; translated
XRAQEPLYHMTGFCGSPRYMAPEVGLRHPYNAKCDVYSFGVLAW EILTLEVPYGD CNLRD
MTSTIWPGSIGPAEWNRGDRRQPGTGSFRGRNPRWR SKPPCRETPLPAVLGDTWNREVSM
RPTMEEVGRCFRAECERFETRFPSEANSPTEARAALRRWFRDPTLQKLLRQOPESTVVK
PMAALGTPPPQHPERRRSSWMPRRSSAFSLEPMVLR SVTMIRRGSGADRWQSSSVATL
DSTSSRSEEQQEAQG PLRV
>comp3157_c0_seq1; 515 1 1455 LEN=1583; translated
QKITKMKIKSKANQLPCSIISMTFLLLCAIAQIVIIPTNGEMAVESNIGVGGKANDANKD
NMVVL RGGGTNNF SERNF GFVPQTSMTSQLRIRNLKPKEPASSTKKT KKTAPKSKKISKK
NTKKS GNSCAMKNF IGQYDSVRGEC ELKFRSVITCANENECTFKENEIKDGEMLCTKAGT
FNPSEMI VGSSSCELDYIPLDEGT CEDNSFGVKIRMDGKDELNLFFSINQGEVYYNEFF
PDKAVRVSEKNDRVFQHADEEGGIAQAYSILRGLYKQSIATGVNMCAEENRPDMEYEVKVL
APIVKQHNQGREHKINHEFILDKWCPKHPEGMLQPF SRAARTPCSEKVIDFLASAI GLVL
AMIGFPGIVKGALLDIIGFFINGLSGGINEIVKLFEGGQNP INLVERSLQVFILLLNTIGL
LGAISDVIWESMAWWEVCLSIAGIGVTLLGIVASGGLAYVAYGLSLLVANVAFV PALIGM
LEAC
>comp3157_c0_seq2; 530 807 2078 LEN=2206; translated
MVVLRGGGTNNF SERNF GFVPQTSMTSQLRIRNLKPKEPASSTKKT KKTAPKSKKISKKN
TKKSGNSCAMKNF IGQYDSVRGEC ELKFRSVITCANENECTFKENEIKDGEMLCTKAGTF
NPSEMI VGSSSCELDYIPLDEGT CEDNSFGVKIRMDGKDELNLFFSINQGEVYYNEFFP
DKAVRVSEKNDRVFQHADEEGGIAQAYSILRGLYKQSIATGVNMCAEENRPDMEYEVKVL
PIVKQHNQGREHKINHEFILDKWCPKHPEGMLQPF SRAARTPCSEKVIDFLASAI GLVLA
MIGFPGIVKGALLDIIGFFINGLSGGINEIVKLFEGGQNP INLVERSLQVFILLLNTIGL
GAISDVIWESMAWWEVCLSIAGIGVTLLGIVASGGLAYVAYGLSLLVANVAFV PALIGM
EAC
>comp3161_c0_seq1; 276 1 1008 LEN=1008; translated
XRELVLVLTQTTDEPPIHGPGALGESEGEDRGNNDNDNENGEAEAFRQLTEQE QEDYASNA
MLLLSGIALRYHRPRAPSLRLCFGAPGKGPLPPPKHPPTGKRAERLPTDTEREAARV LRE

ETGYDALLPDPGSDAERLLAHSGRREDYLSWEDYFMSVALLTAQRSKDPSTQVGACIVDG
QNRIVGLGYNGMPTGLDDDLMPWGRANAQAI FNKYVYVTHAEVNAILNSKEGYGSPRVRG
GTLYVTLFPCEHCTKKVVVQSGIRAVVYLEDKYHDTDGCKASRAMLR CAGIEVREHVRTVE
AVTVDFGRGGEEEDQEEEDGGEGDXVLIGLEIGLDWIG

>comp3162_c0_seq1; 579 1 1902 LEN=1925; translated
RELYGKGICNRTLVPVHRSPPTTEYRRLFSRSLSDHKNSNDPTYQPTNQLTDQASKEAS
KQATPSSTAQNRNTNLKXAMKNLGPALLFGALAATASAFSPGAHRAREAGAASRTAPGA
PLFVSTSSRPSRASVEEDEALEIFQKAQDFAFSDDEAVQGSSSLTDEEALLAESRYWLRE
MIRVQSGCATGTIAEKGVCCENQLGAAEIVGRLRFRIEKHEKRLEKRSKGSQSDSVVPTIATE
LALGALLVVVAIFWATLDLQQRHDDLPSLNNFQDFLSVVEEKEYSFLVGVWANDGGAPPHL
ASRRTKPNQTKPNPIRIKTTMARPKRTVGRATAGFIAAVFLSGAGSLRHASAFVGPTRHP
VAATPRHMFDFFKKDDPEPSDPSGASPESEDEEPPDDFSDDPVDKIFSVFFGKKEATPMGM
KRFGRERFPEQYPAVLDEWAEFVASDDKDMAVLRPMLKNTNLETRGLKLTYSANRDGWD
VSFHRKVDKLGGLLVVCTTEDGLVCGGYNPKGWVGYGEARGSI AAFVLYVFTKGTSELPTK
LRKVGGPSLAQQDLPETGPSFGADSLVIPLEKSSPRVARSKLGSYYERFPGGGNTLFGKR
GSSVRLKDLKVYHGVAEGEYIPFTDAEPFALY

>comp3162_c0_seq2; 538 1 2089 LEN=2112; translated
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KQATPSSTAQNRNTNLKXAMKNLGPALLFGALAATASAFSPGAHRAREAGAASRTAPGA
PLFVSTSSRPSRASVEEDEALEIFQKAQDFAFSDDEAVQGSSSLTDEEALLAESRYWLRE
MIRVQSGCATGTIAEKGVCCENQLGAAEIVGRLRFRIEKHEKRLEKRSKGSQSDSVVPTIATE
LALGALLVVVAIFWATLDLQQRHDDLPSLNNFQDFLSVVEEKEYSFLVGVWANDGGAPPHL
ASRRTKPNQTKPNPIRIKTTMARPKRTVGRATAGFIAAVFLSGAGSLRHASAFVGPTRHP
VAATPRHMFDFFKKDDPEPSDPSGASPESEDEEPPDDFSDDPVDKIFSVFFGKKEATPMGM
KRFGRERFPEQYPAVLDEWAEFVASDDKDMAVLRPMLKNTNLETRGLKLTYSANRDGWD
VSFHRKVDKLGGLLVVCTTEDGLVCGGYNPKGWVGYGEARGSI AAFVLYVFTKGTSELPTK
LRKVGGPSLAQQDLPGTNEESEQVHERAGCARGGEARAKNRRVCCCLPTVPCFLFVRLCF
CYWHCCAARSPNTLFAETGPSFGADSLVIPLEKSSPRVARSKLGSYYERFPGGGNTLFG
KRGSSVRLKDLKVYHGVAEGEYIPFTDAEPFALY

>comp3166_c0_seq1; 383 1 1248 LEN=1311; translated
SSFLPIWQREANARLEEHTDESVRFL LARGYTLQEIQGLEELETGEQVQPSVLLSRLWKR
LASGTDQPGSSDGEDEETDLWCRIYESRNEEKDVLEAIYGEDDLARFGWRNDNDESGND
DSDDSDDECDPTRPFSFDCVLPVQGYEPPERDYDFPPPLLEVVDRSLSYYPYGRSP
SALDPPVLALVGGGLPQSYLREATDRLRASVEEDLGGSDADEGGTPRLFDWLQLAGELAA
EVLEKEEADLAEKARLERVARAKRDREAAKQLREERAREQKEQKEKLAFRSEADRRAYAQ
GVLARGLATEGHRRPGESEGGKAGKSKTRNYDAGADNLSLVNDPLDDAASGASGGNGWVR
PRLATIVHDEHAQRTDEQQTQGTMRVFLVAGIVAXALVEAATVARKMLRVAVL

>comp3167_c0_seq1; 501 1 2487 LEN=2758; translated
LRSFEKKIGRDLKLRGLLDQHGLRTRSRISPREAVSVYKDSCLGGDDEPANSFLKDGT
DFLLVTFGLHPQQEELEKYFRRSIQNTYCLLLFCKKMREEYHSLGLSSSESASAKSQH
VSEPTNAIDNEINKQIEMLI GEIEKTTSGLFRESLSSTKIGTTKEHHGGVSSRF AEQVT
ALIELASAVKGRRYRAE EWKKEYQRICVANSTISNAYLFLQLTHEMCIQDILFKYNPK
EPKYERITIIYLYDPAIDYRKPLGFSFLPGLRVLTRGPHELVS DMIESFWSQVLRNGYFP
TAAIQEVLEPQLRSFFLSGLVAADARGTTYLPLPLKASFVPSAPLSIYLHGKAGAGKSSL
AKVLPMALQSTLEEHIDPECMARFVKQNLNKRLETLELEFQLRPNNNDMSVMSIIQGRM
AMSQSKPGLVVLNLEELPMDSSSLGNDPNQEAVAQLISQRFGGRKGYQSQEKQRNIENK
RNGHGNAAPRNSDKRSIGRDFSLVTIFTSNYPLAENSKTALAQLELYKSLAPIEIFSIT
GSDRRQFAQSYLSQCLTDLLEENCDELSPRNMILDIAISSDGDTRPLVRQLRMFSYYV
GKLLKNACVAKEGPIIVEEIKIKQSDKNCTISVQTKTEGNQNQSSQKLTMGNLSNWYPS
GEFVFDNRINRVIDKLTKIAGDKKAI ELAVILEFWFSSILAPAVILSQDKKII EHIIMDAI
DRMGSGVNCIRRIDTQTYKMIKSLYDPKEMPNLRDDILKFGRAFVATELSCPTSDSQC
IREMIEDSPSMTAFSSTKSALHKSGLLFAIHVEGEVTPEVLSRVSFIL

>comp3168_c0_seq1; 234 1581 1955 LEN=1955; minus strand; translated
MAKIRKANESQEDGKPRKKFKKESPHKKKDRKQKQKDGKTDSPAESTE KWSKSKKKR
MRKILGKLLKKEQAEGKTSQSAPSATSSTDASSTNSLAASATTETGTKKNSIQEAFKARL
AGSRF

>comp3173_c0_seq1; 325 71 862 LEN=954; translated
MPSASNRGKLLLLGDSL TQQSFEGWASDLANVYQRRADV LNRGMSGYNTRWYLYAEDNG
IWTEPGNVVLTIFFGANDAAILEHDPKHPV IPEYQTNLETIVDKAKEAYPGAKILLIA
PPPVHREQRLAYQKKRYGNKATGIPERTSEHTAKYAAAACRQVAETKQVPCLDLFSLMRND

KENEDADDIGRFFWDGLHFNKTGQKYVYDALANAIHTHFPSLEVRPCPITGQFNNSGSAC
DDVVNSGPYHEKLGKDWKAFD
>comp3174_c0_seq1; 81 1 793 LEN=793; minus strand; translated
CNQNTFTFFKGLMRRSETDRSKQRTDFQRVPQNGLPGLSVVRRRPVVRPMHACVALGDAVF
GEQAGIDRSIDPVRRCIAPDPSVDPGPCRETTPTGTHRCPSAGSVPGVSRCCGAFLPWI
LFRSGWEHSRRSPPAVALHRGTNRPTRPAGTRRDDAVVWSVVVRFSGEQAFSRGRDITYS
YLLGGSFGNPCEVRCGIAVSALYRTRMYVLVRTCSSFRFRIDGFLGSVQKNFFKIDITQ
PADASSATEAAESSAAIELCRVLP
>comp3175_c0_seq1; 438 756 1745 LEN=2918; minus strand; translated
MTPSASASPNGHSTSSLLLAASSFPEKEAKKLEVEEKFSFSDRSKLEERLKMEGFALCQ
EVIMVDWYYDRLVANSECLASVLPVLRNDHWLRYRQITSRNCIECVDGEAEWQLKRGTSI
GGGDGGATVYEEIEGTEALKIACSLANRELSKRDEANPTKNETALLLLFEGESFPVPPVD
SCDLQPFKIVTHRAKWEQRQGGQPTSGTKTTNASLFSKLVVDLDTTPDGFAVGEVEALV
EAYGKTEGTSTAVYQEEAVAMARTDIRELLERILKGDNDNDRSTPTRSPSMGKLEQFLF
LRQPLIHKVCVESGVIPQPPFSAEEEPSS
>comp3176_c0_seq1; 390 225 1337 LEN=1337; translated
MLPPSMIRNVNNGAIGSMNGASRRIRNGERNNGNSKNGALQRSIAAGGSDRQQPAVSPT
DKNRLLLEQLRLVTAQLQARSSSLSQPAASITQRTTPPSTTAPTTPPIQLEAQPKPSNQQT
MLHPEVPRSNVGIPTPATVIRGGNTGSSISTAINIDSCGSAPS AVATSNSNPASQASPI
GNDAQEELFPYILHGMLDDVERMGHTNIVSWNADGRSFRIHDPDSFVSLLEKYLKRYVG
GIASRFTQFRSRLMDWGFEDAVIDGNRMGETFTHHCFQRGQANLCRYMRCGRKSEESPAK
QALVTPNTIPRRQPVVSVQSQPRVVNAQPTTAAVSAVQATNPVTLGSTAQLLLQVQV
AQAKQQQQQQQ
>comp3177_c0_seq1; 761 95 1828 LEN=1897; translated
MCSIRGPLVTSIAIAMLALCQKTSHALVTSARRPGLQCRPSRSTLVALRGGSSSTMAEVPT
ETESSPATASDVYQELLAKLETITHLERASSVLSYDQLVFMPSAAADRGAQISALAGVI
HEQKTDPAKAVLDRVLELEKKAPELDADAMRLVDLERKDFVENERVPAALAAKAAAGLSA
SAYS DWVAAREAKDYEAFAPTLQECFDTAMETARAKRGETDEEATKTLYDQMLDQFEVGM
GQARIDEIFGEVQSKLVPLIARVLS SPSKPSAEPLSGSFDIAKQQQLSEKLVKAI GYDNE
QGRIDVSVHPFSSSMSAKDVRITSRFREDEWYQGLAGSIHEGGHAIYEQNLVPSAISIDK
ALSMGTHESQSLFWERHIGLSKSFWKFAHPSLPDLDTSFETYTPDEVYGA VNSVRNSFIR
VEADELTYPLHVILRYNIEKDVIGGKQDVAGLSERWKNMKTLDDVDVPSDDLGLVLDVH
WSAMAFGYFPTYLIGAIAAAQLYHYCEKDLDPDIESKIENGEFQPIKEWLTAKVHKHGRRY
PSLDSMFQDQLGEPLNAKYIIDYLTSKYEDLYQLDQK
>comp3178_c0_seq1; 70 1 816 LEN=1839; translated
XQRPVGPGRKIVRDDPDKLLGLALAGERIRVAERGPVAVPFLADGPHKTDRAAGPTVD
VRQPGASQAAKGVLVVVVQPPYTKDETPTWVSVRLPVASSTGPLCRRGPPESPQMPFFS
SLAIAFDETKTRETDPVAVRWLGVAQRIDQRTRSQLTSTNVIRGIIIVTVDLVHGNGNLLK
KLGRTGETGRSGEVASKADRNYFFFRRKHWLWFSEPKCYGGVVDIDRGIKLALWRRKEN
KGPPIVLKSGVDSFTSGTIATHTHALGTTVR
>comp3179_c0_seq1; 211 464 853 LEN=1295; translated
MPANEDYGSFQHVGDGRVSN TSMWKARIDELAERALEAAAALLSDNIVVTMSSNEDVNVD
ARWTSRQDLLVERLIKGGASAERITVERLATDAIVPVGMSNNSNMHSHSGSYRTQYCTWR
PKQESVGCT
>comp3179_c0_seq2; 211 312 701 LEN=1143; translated
MPANEDYGSFQHVGDGRVSN TSMWKARIDELAERALEAAAALLSDNIVVTMSSNEDVNVD
ARWTSRQDLLVERLIKGGASAERITVERLATDAIVPVGMSNNSNMHSHSGSYRTQYCTWR
PKQESVGCT
>comp3180_c0_seq1; 462 175 1152 LEN=1267; translated
MARSSPTGVSKRFLAALVVALAAAIRPASSLLQASLAEARAKAKAPAQRRSPLPLPLPS
LAAAAAAPPRLPTLALSASPNGSGGGSGRREVLRRAF LAAAAATASFPSGLAFPNVAVP
DARKFADKTKRRGTPPKDLGILPRTTEGIDASVTSRPLRTCDGNPNCFSTTG DALLEDRQ
QYGVDFLVAPWVPPAGETDPIGGIAAVVASYEYEPGGIDGGGFALVKQTDNYLYYQFEAL
KKGFI DDVEFAVVGNDTTAVQVRSASRVGVTD FGVNAVRLNYISRKLRAGGWTIAEITPE
THRDIWITANEAREATFDADRRSMD
>comp3181_c0_seq1; 263 381 1376 LEN=1444; minus strand; translated
MACFLRWGRRASHHHEHTTKVRGADQRFVAVFFLSGPI SRIQQRASVFLGLCIGAXMHLCD
APAAAFEMMHGTEGGGNHCCRVTHSGETARTNRLGQGA VCPVRSQKQGSAMAI SMAIQSN
RVQSVAVRSERVSIPLD SRSIAEQSVNDRRGVWVIGLVLRSLGWSWEAASTGVHVS GGFD
RSKAKRDRAGRDEMLRPSPPGLVPSRLAPGVPGGALPTAPRQVFPDLPEKGHDETRNPAE

GPLGSPEPASFRGGRTTAGGGRTGRTRLALGQVLDGPGDLFGPLLVEFLVLLVGPDKPL
EGPGIGEALDDDLVGDVVDDALDELLAHGCSW
>comp3182_c0_seq1; 180 106 505 LEN=676; minus strand; translated
MSLFDREPFDSKECAQKRHHGLLDVILLFGQSSTSQILALHISIKVVAVGGAVSDCL
TKITGPFDPKPFEEPIDVGEQTAQRLQRHEENPEWSDNGSDWPRNEKKKNDPTERIANISS
PHGFRYYQYNLF
>comp3183_c0_seq1; 495 325 1947 LEN=1947; translated
MDTPAREPEASRLSVLSVQSPPECVLNVDVNLFCPSATPGSGRDNSHLVDDYEPPIPYNAN
GNFNGNTNGNTKGNINGKNP SDYNYVSRYNSSRPPPLPDVREAIQELLAIQEEMAHLT
LHQQESARRSVLGRSSMQLQAHTTPNSVDNPNRTPLECPAFLGRKLETMKRELENLETR
FCHTNTCGSDDDSMVSAYRMASMKENNSINRSNSDKENS YVDDPDFRLGFLRAERYDARR
AASRMWRYLSEKRD LFGIECLRSSGHIFLSDLGHDGLSVLSMGAIQVLPQRDAAGRVI
FGCPLPGNSHAIHGTYTIRGAAKAHFYVYSSLLEDDTDVGR IKGVVGVLRVHHP EIHDPDI
IAATVRVRECAPIKFSAYHMGHGVYNNHAAAPASDQSRHNTNRNYEAMYDYARRIVTFL
LPNLQRIGQMRYRAHYGTALECRYSLYSRYGCPSDCFPLLHGSGGDGLVNPRC VEEWMA
YRKRIDDDQEEKQKWRAIATNIGMIQPLAPTQREVTIERDRNSDGWPSTAGDCDGNNGD
G
>comp3184_c0_seq1; 338 108 1475 LEN=1661; translated
MCRLDSGLKSCDIHAVCQDRNC SVKTIQKFVSKYGVKILKKQDVYGRVSLFYALRKQSSL
SVVKSLFDLCPALLQKDFCGELPLYMLFRPNADYRILEYVLD RDP SLALYEEKRFSGSQ
SLLQRLCNQWASTIKGQRSASSVRSNSDGNNGNSVVL SHEEIRSDNALCNQWAKLVLTVR
AVHRIAHTATKVFTEFDEEVSNAMKSEDELQRFPPRQLSFEIPELHMAMQLPFLPPGIVC
QFIELYPEQASLPIENVIQSTNNLLDNEDPGEGRSHLVGTPSAKRIAGKMLPLHFFLSD
YSAMKPTPNRPVEGTGAHKLLSQCKRAGILRGLVGTFFPRAATLRQKHQCCDRGVLRSR
CFPIHVAIARGIPWECGLREL VYANPSGLSIRDECGTKLLPFLQQALAAATCYKPLYEPT
EDGDRYRFVCKEESNLSVFNTIYCLLENPSVLTP
>comp3185_c0_seq1; 247 194 934 LEN=1268; translated
MNIENEEPREVVASRAMCYYSFDILIHALQRRNTSLPESNRGNELAAEFVSELDPDSIQ
PLFVTWEKSAHNGSGWRLRGCIGCLNPRPLATDVGEYALISAFRRRNFPI SREEVQSLR
VSVSLLVDYEDCEHVYDWTIGVHGIMIKFAVDGKLFSGTFLPEVAKQQRWDHAETISSLI
RKAGYTKAIDQSLLDGIHCRRYQSSKCLV TYADYVNEKCGGIDPVFTPLGQEKESKQPWY
KHFPG L
>comp3186_c0_seq1; 847 172 2790 LEN=3033; translated
MTYAKELSENFSSIPLSTYRDRD VPLRAFYPYGM LISAI SVLFFRTTIQFPETTSKEPMFL
RWWFGALLAFLTYSNRSYELICAVEIFS YLATFLLFSDCIPSLFSKFADDKNKTNVLRIV
LISISAILCLMVCMAATGLLFEILKSVTPAFLSKGLMAMFPIEEIQASYDIMNEFVVED
GLLQDQVARLFFITFH IQVIGYLGIDFLKQEQHRRNELVKMDIDIEGAVDKDGDGAKKA
PLHDAKGGGTAKNKLQRGIEEKKMKRSQKFQRTAAPF IFFTAVPYMVRVIGYGNINAF
ACMRDDIHRAVRLYDLFDHNDHLVALADHSAKAPADFAGFMDTIVSTTYDLFNRKFLSLP
KVMLLPVVMKQPKMIAQIFPIIFISDWMKGRAVS YMTSRIEELEKDVQELNAIRSKVES
YDLKNSSELLHRSGPGAMNFTKERWLEMTVKVQMKMAVSNLTSRTKGFFSFIQRNFVSVL
VDCALAQLMVAVGKIVAADIFVFSRAIEDAVDMILMRSRSEAE LARMMTQISNLKELSTVW
KSAKERNLLPCSLRSRHVDDSSSTPLVVFKNIA YARGTAAVQIVDMELPAGIYALTGANGS
GKSTLFRVIMSCSTNDRPIDIPPSISLSISSESLTPSLDGRRNESHGDISDESHLQPSIT
MPSSHVVEISQTFYWP LYSKPIEWILQSSAEKLTNKEKENRSRVAELLHSLEFTQSLD
IEEVSEKDNETRNLTENESNSDSIVASSPTGDAITRIMEDLEEVKEDW FNDLSSGGQRSKV
ELVRKVFLMDECPKTL LIDETMAPLDRSKALVMEQIKSFCIGSVVIVIYHTDVGREQEK
DGGDLVECVPSNNFFDGNIHVQNKTMILRPVC
>comp3186_c0_seq2; 788 172 2863 LEN=3106; translated
MTYAKELSENFSSIPLSTYRDRD VPLRAFYPYGM LISAI SVLFFRTTIQFPETTSKEPMFL
RWWFGALLAFLTYSNRSYELICAVEIFS YLATFLLFSDCIPSLFSKFADDKNKTNVLRIV
LISISAILCLMVCMAATGLLFEILKSVTPAFLSKGLMAMFPIEEIQASYDIMNEFVVED
GLLQDQVARLFFITFH IQVIGYLGIDFLKQEQHRRNELVKMDIDIEGAVDKDGDGAKKA
PLHDAKGGGTAKNKLQRGIEEKKMKRSQKFQRTAAPF IFFTAVPYMVRVIGYGNINAF
ACMRDDIHRAVRLYDLFDHNDHLVALADHSAKAPADFAGFMDTIVSTTYDLFNRKFLSLP
KVMLLPVVMKQPKMIAQIFPIIFISDWMKGRAVS YMTSRIEELEKDVQELNAIRSKVES
YDLKNSSELLHRSGPGAMNFTKERWLEMTVKKLIAGTRLS SFYVSSDTLTSCFCRVQMKMA
VSNLTSRTKGFFSFIQRNFVSVL VDCALAQLMVAVGKIVAADIFVFSRAIEDAVDMILMR
SRSEAE LARMMTQISNLKELSTVW KSAKERNLLPCSLRSRHVDDSSSTPLVVFKNIA YARG
TAAVQIVDMELPAGIYALTGANGSGKSTLFRVIMSCSTNDRPIDIPPSISLSISSESLTP

SLDGRRNESHGDISDESHLQPSITMPSSHVVEISQTFYWPLYSKPIEWILQQSSAEKLTN
KEKENRSRVAELLHSLEFTQSLDIEEVSEKDNETRNLTENESNSDSIVASSPTGDAITR
IMEDLEEVEDWFDNLSGGQORSKVELVRKVFVLMDECPKTLIDETMAPLPDRSKALVMEQ
IKSFCIGSVVIVIVYHTDVGREQEKDGGDLVECVPSNNFFDGNIHVQNKTMILRPVC
>comp3187_c0_seq1; 451 1 1615 LEN=1862; translated
RTALEKTSADTPVLDKQKQKYEYAFGIRGKGEFDSQPIVAAAPFLHHSSTGASAWSTTQT
PGISLQKDSRRTATARKMTESSAVNAAASKPRLPIPAPLYSDVPGTWAYDTMSRRVDEEI
LQRTFDDNKGAWETEFEFSDILERFNALRKELQONAGETKLGGLPLPPSPDCSEARRTEWEEW
KQIMEPFVAKGDTWLTAPWVMAEFYVYRRLVVDVIQYWDEYDRNDPEKKNPGYLYDPFID
QKHAGLESSVASAEGVLAKINNLLGGNGSSIDQGGRLAASIALWGNKMDLSLWPAKDTAS
KDIFFSAILDKATEGLLHDDSSLLVEHFELKASGGNIDIIVDNAGFELITDLVLAQYLT
ESGIAKCVTFQLKSHPTFVSDALEKDLLEHVNHADFDDEAKAYPNVKISGAKWQEYLN
GRWKCTENNFVWQGFPMWEMTEPLRSDLRDRCDLAFVKGDANYRRLGDCQWDYSTDSFQ
DVVGHYFPCPVCALRTLKAEIGCGMEANQVDRASKLDPNWQTNGRFGVLQFGTGESQ
>comp3188_c0_seq1; 160 94 441 LEN=803; translated
MDNWIVSQISFWFTVRKVKPAQIVDQIINFWLDVTIPGRGAGENSLLMRGVRSVQQAER
AEAELNLRSSLRQWDFPEIHHMIVRWGCGLVASVVFVSSIIYQALKPQPRNRKY
>comp3189_c0_seq1; 350 1 1232 LEN=1262; translated
XLATKNEKISAQFRRQSNNTMITFIEIMHYMMMPVTATFAFLWVFPYPAWAVLIAERIE
WDVEDLASPGMNKDSFESPLTLVIPAFNEEDRIPIMIRETFDYLTSSQGGKQLLRKLQSS
IKPQTTSSLEYEKLEDAASLREESSEQRGAEPKVEWIIIVDDGSTDATCDVVRETYKKLMGN
KSNVGVKSTPSATNACDWKWKIVSLTKNAGKGGAVKTGMNLAEGMFHLMVDADGATDFGN
GLENLTRELRAHTQGILASREGHIGSRKGMAGSRIAVFGSRAHLERESTAQRSFVRTLLM
KAFHFVVSFLVSTKVHDTQCGFKLFSKKASNAIFKTLHLRRWAFDTEIVLLCDKQCIDI
EVAVRWKEVDGSKLSTSKLALALVSI SMLRDMICVRACYTLGFWRVKMGL
>comp3190_c0_seq1; 437 525 1307 LEN=1626; translated
MPGRSLQRLSSLRLHGTNKDNEMEGERKKPLGPRRIKSLTDSFRIRRFDNLDGIDNNK
SRSESVEYQVCTNSVGGKHHKAFDGTSNFYSPRMLIRRRPVIKINDDKRNETETNVAR
DNEGADATSSSTTTPSLQRETPIRSNSRRRLSKLKQTLFGSSSSSSKNLFGHRTRNTDGS
NGIQQNKTNELQDTLSLAVGDSHGKANIAHNSNDVKYRNDESDLEDSFSIRDVAKDNL
VMLLLCREFNLIDTNESSSE
>comp3191_c0_seq1; 434 215 1339 LEN=2516; minus strand; translated
MPSAADYLVGPTIGEGSFVYAVHKTQQRKVAIKVMEAPVMGATEHKHRQLWKEQKTA
MILNERRILSLPELKSSKWIWNLWAAFCESSNSRYLYFVMEATGGDLQGLIDRALTSSRA
KSKRDAWRTDSVPPFYASQLIEAIQFLHSTGILHCDLKPENVLDAATGDLKLADFGCALD
TNRQQNRNPSSPPIMLPRGTARYSAPELLQAESPLALDAADVWWSMGCILYAMFRGKSP
FDRGSEALTIRAVFDYLDGAPSDLSPKQKWAEDTNDDESTRYPLYRLSQGLFAMIPGDRT
TFWATSVIPLFDSKQGESVGGDDAIHGIDNRRSATFATTSNESGVLPSPDPWDKQVESA
TLRNGDLGWVAFQL
>comp3193_c0_seq1; 377 87 1013 LEN=1335; translated
MKSTVTFLLFFYAILLTQEANAFSASDGLFRQAKPSTRSNNGYSNIDLLTTTEQRRNAFS
TLPNKQTSNSNTRLSVAPGAIAGVLTGGVLLGGALHAIAGPDHLAALLPRCIGQRWYKAGR
IGILWGMGHGISVTMLGVLGFALKSQFAKAPGARAVLNEVSHLMEFAVGLSLIVIGAMGL
REAKEWGEEMESQPAHSLSSAVSPSEAKNQNRNRRAVVFNGLLHGFSDWGAPSLAPALAVA
SWSGNLAFLSAYAAGTVAVMAVATSFIEGTRRAGEIFNRPDLPQKLSFFTSLLAMAIGG
IWCGLALM
>comp3194_c0_seq1; 280 68 1156 LEN=1372; translated
MKDIQDNPHHPASIDTLERYTLIVSYDGARYSGFQRQSSSSSSSCRNPDSKSDANPLKRR
RPNNQIKRKIKNRGNVPIVQETLEDALEFYTGMDRFQLKLRFAGRTDGGVHARGQVVAV
SLPRAIFSDQKVINNIDENENDREKLWTIRKSINSRLPNDISIEDVSVCQDECDFDPRLD
AKRKQYSYMLRYRQMVTFEIKNVKNEECGKTI SPICLKGGPQLLRTALDSNRVVICPWAL
DDSKLTHYCELLTGTHDFSAFVHKEARKTRDNKMTVTRLDYERVRFRDDVAPVWEIRFVV
EAKGFGRSQVRNMGVFLVEACRGSFEDLESNQGWLWEEDPDRDLAKQIP SAPACGLCLEHV
MY
>comp3196_c0_seq1; 362 79 798 LEN=952; translated
MSGGKIILDKALRSVNLSSSKLPSEVAKSSAALFSALSGTKFVLPDLAYDYNALEPAIS
AETMELHHSKHHQTYITNLNATMEKIDSAMVAGNVSETIALQGALKFNGGGHINHTLFEW
NLGPDSTFPEGGPLEAAVNARFGSLDEMIAEVSAKTIQVQSGWGWLVDFDPKSKMIDVVA
LPNQDPLEATTGLKPLLGIDVWEHAYYVDYRNV RPSYVSAIWGIINWDVVEERLVAASK
>comp3197_c0_seq1; 204 1 753 LEN=835; translated

XSIRMQNNQKQLQSNNTNDHDSENIFFSALVPPDHQSGVLSPIATDEVILSQGMALNMA
TTAVTATTILPQANADPSVVSGLQGGIQDKVAPGHWIGQFIGLNSKTEKWEFPNSTPEE
VSKALVDVLTSLTEDRKAKLYMPEFEIQTADASKLHVLWTWKLEWLDTLDVTFRPKENNG
CTATASFYATGFLPTNIPGAPLNFVAFFWFFPASPGRGEMLQSFRLRALNGLVTKRLEE
NKVTPDLYFP

>comp3198_c0_seq2; 347 141 1015 LEN=1015; translated
MGDRHLGIRDRTLVLRLVLPGLRTRLRDKMKEVEEAADTDPDTKSATERSNTGRTSSSSG
NHNKEILLDLGFACEPTKDSSTLWNFHC DGATYPARLVNLPVLPVHKTTHDHAMYKCC
DIAQMLIVYEDSMALDDADAYPKKTGYPSYYHSGITLPMKQVVERRFGQRDHQPGIKFPR
NEVSDVERELHELMCKISKEGKGRKLIKPSLANQNKVLQEVVEEVVIDYEPWMEDGIEF
EATDQIASLHPEIWLSPKIKKQKKEEKEEERKKRQKEREKKEKKEKX

>comp3199_c0_seq1; 319 111 1262 LEN=1828; translated
MKHRTAFLAVTISVGLTFNQKFFFSVVEFGNQGEKTSMLDKDHPSMGKALECLRLTKP
KLPNLSYPRDAFEHFHHIHYSLARWIQHPDHNPHRAKGYSGPWIENHWISHFEKELKSNN
YSLPVDVFGPYVPIIPWTDIWKVNRKYPGELVGVIKRLLREDVMIITVNQNDGDFVGRN
ADFHDIQNMYHITVLSAGGYGHVPVPLFKQPEALIQKVP LNERKYLVS YVGS D T N A P N D M
RKKMIAHL D Q A S R Y Y Y K G S E W R D V M A Q S K F S L C P R G F G R T S Y H V I E T L Q M G L V P I Q V Y L D
QPWLPYGNLLKGISFTVRIEEVSDLLLNLSEIPDSKIEKMEAQIELLREDFYTFEGAINQ
IGKFMIDPTNSELICQTL PSTPR

>comp3200_c0_seq1; 495 90 1322 LEN=1418; translated
MELTDPWWKYFLIPLIDGAVGYFTNVLALQMTFAPLEFVGIPLVRFPEQPFGLFGWQGII
PAKARKMATISFDLMTTRLLDLQEIFNQIDPVKFAEAMDEAILLMLDNVISEVAMETMPN
TWGNIPQAVKDDIIVTADNESGKFLTEFMKDMQAHVYDVVDIKEMCVNACVQNKHLIVKI
FQECGDKFNFIRQSGFYFGAMFGVVHVMVIYMFYQANWVMPVFGFVVG TATNWLAL K V I F
SPVRPKKFLGMTFHGIFMRRQEEVSAVFARVVCGEILHIKAIWNAIFQGSNSKNFTAMLR
AHTLVFTDKLVVEIEPLAVAAMGSEKFLQMKEDIAQKVTKKIPDVIDSSYEY T Q R A L N M E
NIIREKMSVLPPEEFEGVLHPAFEEDEIQLIILGGALGAI V G A L Q L L I F V

>comp3200_c0_seq2; 369 90 1177 LEN=1177; translated
MELTDPWWKYFLIPLIDGAVGYFTNVLALQMTFAPLEFVGIPLVRFPEQPFGLFGWQGII
PAKARKMATISFDLMTTRLLDLQEIFNQIDPVKFAEAMDEAILLMLDNVISEVAMETMPN
TWGNIPQAVKDDIIVTADNESGKFLTEFMKDMQAHVYDVVDIKEMCVNACVQNKHLIVKI
FQECGDKFNFIRQSGFYFGAMFGVVHVMVIYMFYQANWVMPVFGFVVG TATNWLAL K V I F
SPVRPKKFLGMTFHGIFMRRQEEVSAVFARVVCGEILHIKAIWNAIFQGSNSKNFTAMLR
AHTLVFTDKLVVEIEPLAVAAMGSEKFLQMKEDIAQKVTKKIPDVIDSSYEY T Q R V S N I T
SRX

>comp3202_c0_seq1; 582 87 1592 LEN=2007; translated
MRTTFFCKSHTPLLALAYLCAASHTGAHANGVGI V V G V A Q N P P V N Y V P A R I P F A E L L P S E
HGTNAGDENDVFWKALREVGLVSI TDV P N L G K Q A M M A D L G E C L A T T A R G A E G L H T E G F A D
VGIDGFHRRRTLAMHTLAGSGEGLFAERDPSACAALAESSRPFREGVEKVLGAI A E R F A
LVPSSLAAGEGDGAFLSADRLIHEGEHLEHFHSYYPQPQAGKSGSQT K D K D N A N T K T I
EWHTDQGMMLVFAPGQRTDGSSTGGFLVRLSDGSTAELDLDPVDDL V V M L G D G V H Q Y I N
QSGNGSIQGLRSVPHAVSLDRNDGAQRLWYGRMVLPPP G A V H P S S A A A N T F G E L R A A T I R
GDP S G L G C S S P T A V V S R G L A G D G H E D P G E C D E A T S M F C W M R C M D Y E E Y G A S P E I C G A G N L
ACANADGEPWAKGVHDP SYKLRCLGSAEADTNATASAGDDGDEPESETMEMDSSGAKDRG
TTAFGFLVAVVAATAGGWIAW

>comp3203_c0_seq1; 414 1 1764 LEN=2592; translated
XLLQKYEQSHQLLVRAVDSLAPDSSFGSVEGTERGAKEFGPSCCKPQHMKRAIVPSFFI
DTDETIDADKSI VADESMSQQT SR T T K V V V P S F L G H P E N I L P P L F L I M T C I K V L L F P S Y R
STDFDVHRNWKALTRQVDISEWYWNDVSGRTVHTLDYPPAF AF FEY I L S N N P I T H L V L P Q
GDRCLELLPDTNEPSEACVVFQRTSVILGDCILWIGSYFACWAYHYKMPVQLTVSSFLL
IVLNPALLWLDHIHFQYNGMMIGVLMSSLGCFMMGNNVFDQA AK Q P I E Y D L Y H L A G A A I
FALLINLKHLYLPLGLPFFCYLLERYCLTTEIPP G K K R K Q F L P G K F L L L A L V T G S V L V L P
WIPFLKNQKNPKLQVIQIFKRLFPFGRGLVHDYWAGNVWAIYTFANRILLATIRRLVPLL
MPIMPEIATFLEGLYLPEPSPLVCALLLVLAIPGLQMASLRLTNKKLIEAVVYVSFSSF
MLAYHVHEKAILTTLMLPTILVEPSSRVEYHNLLFWQSSIWGLLGLFPLLF R P V E L V F K L
GSFLCYMGLTSYLLKTPPPWMQDRQHDALAVVSFVILLLECVPIQGW

>comp3204_c0_seq1; 1129 74 2308 LEN=2339; translated
MSLLEPPATITRLLQESFPDSVTSTSDGAQWNANEDILSYVAFLAAGMADVKEFSQEAWK
EQLSPYLEGIKEVGGDEIDAFRILVAKEVLGEDDES Y G D D D D D D E H E E V C N L R F N L A Y G G
KILLRESKRLRLRRRYAIVGGNGVGKTTLMNAINNGKLEGWPQHLKTAYVDSGNSVDPE

YERQNVMKHLIEDTKQSEETIIAKMKELDFTDQMIRGTIGALS GGWQMKLRLIRAILMDP
DIFLLDEPTNHLAEGAVNWLTDYLCGLDHQTVLCVSHDITFLENVCTDI IHYEQRSVWGP
YRRLVHYKTKMSGFVKLQPOAKHYFELATND DGLKFDFFPQGRLDGVKTSTQKFLEMEHV
DFRYPGAENQLTDVNLKMSLSSRIVILGANGAGKTTLLKMI VGETVPSNSGRFYVHPNL
RIAYVAQHAFSHVERHMEESPVAYLQWRFRDGF DKEKLESEAYRITPEEQQAIDDFKLEG
IWSRRMRGGVLEYEVKKNVREKDNKYYSRDEL LGMGF EHLKQTDEKIAAKEAGLDLRP
VTTSEIQKHLNGFGLPQEFGTYGKIRGLSGGQKV KLVLA AAFWTVPHLVVLEPTNFLDR
EALGALSAGLNEWGGAVIMISHNREFYSSVCKEEWHVAGGVVQIQGESEEREMKAFARKK
KFEKELDGNKLEKAGGNMNSNGDKYKEATVNF WGATVSKKEARAYEKAKKKGNVAAMRK
VLQIPPGKVMPGYEELGDGNDAKQ

>comp3205_c0_seq1; 319 1 899 LEN=1041; translated
XLSLLIAYGSFFTNKNKRMFQFTAATSIGAVLLTMM AAPIGAFLHRDGRSMTAVTTDRG
GLVSSVPASLSHGAFRLFAETSPESDNEKMRMFESEGWK GIEADLRSFPLFCIATAEDNP
VAYQITVGEKTFDVPFFYCDVTEAAAALEKAQASSDNATEGV DLKLLPFPLEQAFKLWC
GDKAVIIPSKASILQAGAPAGTNP IQRVPMWACL DIAEEQGEGLPPKLP IFMGLEDAND
AVLEAVGGDRAKVDDLEVVCLSLDGAIEQLVTA APEEAPGF AFIPPSKSMKYIEENVQQ

>comp3206_c0_seq1; 320 159 707 LEN=891; translated
MTALRSTKPLLLASFLSVLALLAGPAASFAPG PLRRDTACQESSSTSVGVGNIIDLLNDG
KKKLVKSLAGDYDAEAVRARTKGLIEANPVLMLSFTTC PFCVKAKGVLDGIGAEYTVVEL
DVDPDGKAIRAELGDLIGRTSVPVAVWIGQEFVGGCNDGPMGGVVKLSEEGRLEGLLKEAG
AL

>comp3207_c0_seq1; 158 189 1062 LEN=1128; translated
MAGGGMCLARTTSVSRVLSKRLSFPAAAAAGRLSSSGAAFGLSLQAPAPGAREGKVL SA
GAPSRQGLPLRLPPSCASHLPLRPGPF SKGTHRAQGRWLS SDAEAGTENNGSYTVPIV
IKMPPMDDVGGDESHCFVETWHKREGDRVHPEDILCDVSTPDFVFGMQIDDAEPGILGEI
HVEAGVRVPDHTPLCTIYHRAPPEEAGGERAGRGA AAAAGRTARSHAMRCDAARLGLGSIP
RSIRPHATSESRVKGKSEKTERHASSPRHKPMREGSMDVFKSWEHPMRLP

>comp3208_c0_seq1; 421 120 1538 LEN=1955; translated
MPKAEKGSVKDIANRMKARGLQKLRFYCQMCQKQCRDANGFKCHI QSDSHMRQMKIFSEN
AGGFLEQYSKEFEQSFMTNLRMRHGTKKVNANNVYQEVISDKQH IHMNATHWTTLTFVQ
YLGKTGKCIVEENHSDGTGGWYISYIERDSGILARREAQKQREAADQKAEALLERMKAQ
RIAAARALDRAGGSVTVQATS IQQNGNTAPA IKLGLGA AKMKTAKKKSTASIGTSAFGDD
DDEENNDDEKDYSKRKSANTNVEKMMKETTMRKQAAAT TMNENKNSSSKDSSANPKTTKK
RKLNDGNNRIEIEITKRSRDERSEVSRTPK PSEEQAVKDQNSWLYRDIMVRVVS KRLAGG
KYFRKKA VVDITVGDGFAAEVEVLGDSE DGVGDILRLDQDDLETVIPKVSSGGKPKKVR
ILRGEFRGEKATIEHLDKSKYRADLILYKPKRDEDRGRRLR KVPYEDFSQIA

>comp3209_c0_seq1; 177 1 1524 LEN=1625; translated
IQRHERLRKLENSLLEFRDLERSVSDDEEVEKRVAGERARRMARLEEEEAERKERNQR
GDSGDGYAARNSNRRDRGYSGLASTSGKSNGR TDRGYRGTA YGRGGGPPRDYGRRPQQYR
RDGHHRRGGDRRPF SNTNSHVEATRKEEENHRLADAFGIDKAKHVEGA AFDRDLQEEKRL
KTEKKERXEKAAEKAQRKLERDQKRKEKALRKEERNQRK KSKPRVDRDRESAARVIAAA
VVAAL EATAGPRLRALDHPLRPTAAARRGRPRTAAARRGRPHRGNP IGEQCVGRRMAERI
AGTQTGASPVKRERGLGAEAQVPTTVGQGA AVAAAAAGAVEHGGDRKDKADAKRSK MDSR
NEREPAENKNSKGGSEERSTKATEAPSGPGDKKNSEARGGLPERTASPVEAGCGGGR LD
RNRAPGPPAGRGGARPGERKHQRTAAGSRPRPDLALSRRSARAAA SEPAAGGGPGPDRNRP
RRQEVHSGRRVARRPAEAPGLGRARPW

>comp3210_c0_seq1; 127 512 1109 LEN=1109; minus strand; translated
MRKPRVSSLAPPWHSVRSRIAPKPVVGLVHPPARQSPTGALV LMLPPPPPLPALPPP
LPPFLPAGQPAGLRLPGTSGVRNGLPEPVVASHDRQE QGGDSEQSCPGDPAGTPAGRD
GGGNHLFSCPASFFIVLQGTSTDGTVCCYGFVTLWFVMVCVPRNAWLGVFP RIVKRSIL
PNAVPHYGTAEKIIIPGLVAX

>comp3211_c0_seq1; 227 1 713 LEN=922; translated
XQLHLCTPVLRAISHANIWPLDYHREHFYDIKRN TASPEQSDGWYSIHRIACFRRQSCG
FSANNPADRMDQMDVSSISSAIDATSTMPEPATYPRPPPTPAQVAAEASSRQSYLAPPAS
SSKKS WLD SFLDLVAYSVARILNHPDVRDAVSSAILEGMVKLCYVEDLHEHLRHVDETLT
EHQVSDAAKKGKDAQKIVRAYLGGMFAGDNDESKTDDADNDSRRNSKHTENNKKVR

>comp3212_c0_seq1; 233 139 801 LEN=1083; translated
MSTSDVRRRLAPT DCTGASTVANNAKATEQAPIFV FVFAHPDDESMFFLPAIRALVAAEA
TVWFLCLTNGGYDGLGKVRETELEKAGKLIGASKVLIRSDDDNGDERAILDHPTKRYARE
TVANAIRDSL CASLEPSGSANRFVLVTFDELGVSGHVNHIDTYLGVCHLMDEQEERQREQ

RAQTPKTSRQQSPQELFLEAWHLESERNLFFKYLPLLSW
>comp3214_c0_seq1; 248 70 1202 LEN=1438; translated
MVNIFGMQTVLFLTLILAIVLVTIVNAEIKQDDRQIFSGDGHETARVLKTIQFGEVDGKTL
LAQNAPKEINVDPRTTYNEKFMAQMSSPCRPEYDGGFFGATSGDSVQIQYGFQLEVEPLSS
VMDILDLIEDKIVDSVLQSSFPFEMCGMRRTTRTESHDQYLARSLNDGHPGSGFRFLKFEEV
GKIYNRSNRKIRSEILFLQDFFLITWCDFAHNVNSPEVNDVNFVCGIFTGIVVYVYVKHQNE
EEIFQAVMPYIDHVFETTNPRLHSELAMISRVEFSSTASFDISQTPTENQVKHISRGE
LSGLDTHLLIIVSGLIFLSILYFYIQWDERRRYPDHKVASNSLNVRSRDDYIEDEYGANE
VEFDQYQDNVQSNIGLS
>comp3214_c0_seq2; 293 70 1110 LEN=1346; translated
MVNIFGMQTVLFLTLILAIVLVTIVNAEIKQDDRQIFSGDGHETARVLKTIQFGEVDGKTL
LAQNAPKEINVDPRTTYNEKFMAQMSSPCRPEYDGGFFGATSGDSVQIQYGFQLEVEPLSS
VMDILDLIEDKIVDSVLQSSFPFEMCGMRRTTRTESHDQYLARSLNDGHPGSGFRFLKFEEV
AQCIPEVNDVNFVCGIFTGIVVYVYVKHQNEEEIFQAVMPYIDHVFETTNPRLHSELAMIS
RVDEFSSSTASFDISQTPTENQVKHISRGEGLSGLDTHLLIIVSGLIFLSILYFYIQWDERR
RYPDHKVASNSLNVRSRDDYIEDEYGANEVVEFDQYQDNVQSNIGLS
>comp3215_c0_seq1; 428 1 1515 LEN=2270; translated
LVLTMTLVFLGLFLATRSGLLSTSTNVFLPRSDLSPNLTSTSRVYSSRLSSWSKIA
EPDTEFGSFRVNTEDAALAAASQEGIEFSDSLVFNLASPREWLEFCEARQLYQDQHPND
IRDRAPGCGAYTVLRCDFLLEEKAWRIWGRDFHWNRLRESYRLLLQKQSIAGQNGSGAN
HCEQAAIDSSIEAMDCLLAEAESEILSKYQRENDETAVVAMLTLLWDPEPGDATSIRVR
GHGFSTMKPSSHNDTDTGSMGNPNAPIEAVIGFLPVTLAERVADRINNNHHDVTMLPNRY
QNIPOAKLSSWCRRLLEKIFKAGENTGDVILTKECGLGKETETNKQESSPEAEVPSIEM
LEGLTSMNFVLYPGNVLRTAHSSHVLLGGYVRDLIVECASECGYRVKFGPIPLVDSSKWE
VFLTSSVRLVIPVSRILLPSIASSTRDEECGDSDDLFRDLTVWEMARDELSDGDRPTRP
ASHVLYEKLMEGRDIPSHTSRSP
>comp3216_c0_seq1; 206 197 712 LEN=1128; translated
MTDPNAKNPLPSDARDNYTPHRSHHPEELLHDKKKKHHTRAEVEYNVFRDSSLRYLGYAN
EVGESFRYQYPRFVVPYSVVSFGYCLADAATSGKKAYDYSTSEGSSTAAIDSVVSTVDTL
LWQSLASVLLPGFAINQIVKFSRFAVTKSPMAAPVALATWLPVAGLGSIPW
>comp3217_c0_seq1; 270 358 921 LEN=967; translated
MVLTEEQLRIRKNRERLRIQKERREKYEKQKEEHLKESERSIEDNQTPSKKRKTTDST
LARPTASTTTSQISIPPTNAKQATEDHDYHSSEPLEDFEEGASQWVTKTEAMNTYCLPEG
TMAVCSYEKQNPKNPSFKPKMLYKRSEIRYRAHKKRHGGVEGLVKEREKRRKRKLEKME
AARDIFK
>comp3218_c0_seq1; 303 47 697 LEN=2266; translated
MKSSIAFLALGVSSASAFAPTQSASKSVTQIELTRDEILSTPNTLELGEIYDPLGLSQLG
GDETISWFRHAEIKHGRVAMAAFGWCATSGAGLRFPGELSHGLNFADVPGQGLAAWDAV
PGWGKAQMLLLAGLIEFHDELFYARRGTHYMSGVPGKNMVPGLYDPFNFSAGKSEAQLA
RGRDVEIKNGRLAMVGIAGMYFANVIEGSPVLPQTC
>comp3221_c0_seq1; 364 1 1309 LEN=1385; translated
XERLMIDESDKSCTVQAI SFVDHSATRMTRPILPSRILKLVVVSVALLKFTDVTVDFAFA
SFSTRGSIHSSLLHHSRSTLNKLSARLWAQSQQITIRDWRNSNGNEPESIYELLE
QRREQAQTNDDFDPEGSLELDVLRNRLCQESYSKEDGGCFVAVAGDCNDHNDDEDENG
KRKSSIVGTLGMITGTQVVYQSSGSSVSEPEVA AAI RRVCSWSSEDEDDGTAKQGLTKQV
STTTLLEDLIREGEQRAIQSGATRIIGLAYPETTGAAGEKARVAKPSTDLFESLGYRRSD
QQLPGVKTLYEKKLSRNEALANSNAVLTESSVERWILPAAIVGLVSLGYLVFNLYSNVF
GIEQLWGSSDNAGIGTSLSTQNLQDLIRDEKLRSGGLDDGISSYASTRQWEDLSPEELRE
EQALMKVVIQGSIRFK
>comp3222_c0_seq1; 157 243 899 LEN=1072; translated
MTCLFRNDLTPREKIRTIKLVFEHASNLAAFATYKVFVAVLKGSSRCLRQGVGLNDYP
NNQPRITTSNAIKSLGRTLIALIVDGPFFSTDTSSVWGSSSSTRRAGEPERPYHSLLAGAA
GGYIVWGRYSSVNHQIVLYLASRIMVGLAKRGWELVYKEPGHFRNDNRGKSILQHPQTYP
MVAATVWGIWMLLFEESPHVLRSLKKSMDIYRRGVF
>comp3223_c0_seq1; 229 31 585 LEN=648; translated
MMPLQQRRLRVRVHFLALATSLIMLSSKLSAFATRSSFITASRAASRSFRSGVVLNMA
PKPGVATLEELKSHVEAAGDKLVVIDVRNPADKEPGDQKSLAVAPVPDASSGVRPCGLH
LIWDRESDSMPLPSVEKDTPLITHCGGGGRGQKAKDFLESNGFTNVNLGAGPKETELWDV
YGEK
>comp3224_c0_seq1; 377 109 712 LEN=1049; translated

MSEEQANTTPPASEEKESQEESTAEFAPVVELEEVVSGEEEEENVEYTQORGKLFYGET
MLDVGSGNKTEGGGIGDIRILKHKQEQLRVLMRQEKTMKVIYNHALDPRIKLEPNAGSD
RSWVWSAFDFASGELVETVFAIRFADSDIANFNFKVFEKQAEMQSILDGEDAAPSQAD
EATEALAGLSTKEEEAAKEE

>comp3226_c0_seq1; 462 58 843 LEN=1222; translated
MSDDKPQDGGRRGGFRGRGRGRGRGRGRGRGRGRGRDENVVWPVTKLGRVLVKEGKIG
SLEEIFLFSIPVKEAEIIDYFLKDKLQDEVKIMPVQKQSSAGQRTRFKAFVAVGDGNH
IGLVKCSSEVATAIRGAITAAKLNIVPVRGYYWGRTAGLPHTVPCKVTGKCGSVSVRLI
PAPRGTGLVSSPAGKMLMSMAGITDCYSSSSGHTRTMGNFIKAIYAALRATYGYLSPELW
AENALLPLPFQEHTDFLSKKL

>comp3227_c0_seq1; 190 125 508 LEN=972; translated
MNDPKSSSTGNNHNRNHPGVVRVEATAPIKSSPLSTGGIALAIGTFLALHTPSWLVLVFC
FETDEHKDHHDSLPIRLLSRWLLDFTPWLANALLSFFLVGLCLCLGAAFLSRTERWGAHV
GVRTEPF

>comp3228_c0_seq1; 275 184 1395 LEN=1701; translated
MPLLFRQRASQNSLPRITPSVAALVAYGLCCTVLVALLAGARSFAPREAFSTAASKRTSP
VPMSPSSPATESVRWRPLGPELFPSPVSPDDGCRYAKDEAYLGAVLGSWKTNPAGPRAET
SPWVYRDQDGTALYGHAVRPIERTASTGAPRPGILLFHTAAGPQDVFLFQKAEQLAVSGD
LGPDGCVVLVCDLLSDPDGAWTPGGDRTRFDQRKELLFRDNARLLRARVEAAVEALSGD
DRLGVDPDRLAGLWCFGAHPLELSGLRRLPEGGTEEGPTAVALVSYHGVRDRPPGSP
ATGGDPGDGPRGILPPAPVGDVLICTGGSDPFVSGEDLDAKAAMEEGSYRVAIAEFEGA
KHGFTNPAQDFNPNPAFGYDEHAATESWKATMELLKRRLGPPG

>comp3229_c0_seq1; 239 249 861 LEN=1057; translated
MYPLLSPTAITHSPNSQNHGAQAVAIAPVQKIQPYGVHVRKSIAAAASAAGRQFVEIFKK
RWLKLQNTIYVIPKCNVSIVRITASAAVAAGGIVVLSRHQLPSMTREKLYKQVWRNEAAE
GQDDATNQNDGSIFDDEDEEDFQPLVDKEESPMTTAMIATIGVYKNFISPLLPACRFVP
TCSQYGVQAIKEFGPSKGVVLT SW

>comp3230_c0_seq1; 280 176 673 LEN=828; translated
MTDAAIQEVEAGDMIPSVVLQEGLPDFGGKNDIDISELIAGKKVIFGVPGAFTPGCSKS
HLPSFITADELKEKGVDMVICIATNDFVMEAWGNTSGGAEAGIRFLSDGSGELTKALG
LTMETPMPRTKRFSLIAEDGVVTEYFSSAEASNTWAPAVLAKL

>comp3231_c0_seq1; 453 132 1121 LEN=1260; translated
MVFGWGFNANKLKPQLKMAVHRFQMSNKKAAALKQNMREVAVLLAEDPPKEEKARIKAE
ALIRDDYMIAYDILSLNCELLSERIKLIQFSKECPPDLISCISTLMYAAPRVDIPELIE
IRKQFIAKYGKFFDEDAMANTGGILNERVVAKL SVQPPAAYLVQTYLEQICEKFEVDWSP
NYRLSAEQMGEPMA PPSGFSVP IGQGTGLGHAAHTGMTVTGD DDDTTYDGGQSLPPP
RAGNNAKVKSNQSEFHIPSAPGTSNAPSLDLPQAPAMTNTSDATNK DDDDEDNQNNGDS
SGSQSQPSSGKDTASYNDLAARFENLKNL

>comp3231_c0_seq2; 369 62 850 LEN=989; translated
MIEAYDILSLNCELLSERIKLIQFSKECPPDLISCISTLMYAAPRVDIPELIEIRKQFIA
KYGKFFDEDAMANTGGILNERVVAKL SVQPPAAYLVQTYLEQICEKFEVDWSPNYRLSAE
QMGEPMAPPSGFSVP IGQGTGLGHAAHTGMTVTGD DDDTTYDGGQSLPPP
RAGNNAKVKSNQSEFHIPSAPGTSNAPSLDLPQAPAMTNTSDATNK DDDDEDNQNNGDS
SSGKDTASYNDLAARFENLKNL

>comp3232_c0_seq1; 155 1 602 LEN=866; translated
XRFSSCKSEKIMVVPDPNVLA AVERGSSVVFFDVSLGEGESAADLGRIRMELFTKDCPKT
CENFRQFCTGEFLRNDQPTGYLNSSFHRVIKGFVLQGGDFINHDGTGKLSIYGTSFPDEN
LTSKHHDNAGLLSMANSGPNTNGCQFFITCAAQHLDGKHTVFGRVLDDSSMLTVRKCEA
VPVNGTTPRLPLIITQCGEL

>comp3233_c0_seq1; 168 1 364 LEN=559; translated
XAITTTVSTIGTRYIFGVQNIATSFVASIEMGFSTLFGGGLGFAAQCTSNAIQKIPIS
RQPWMHVLC TFGGAWAATKWVDAKHALLADVNELRAYKGLPPMVGSKNYMPFVPPVEESK
E

>comp3234_c0_seq1; 266 1 849 LEN=849; translated
QQQQQQHQQHPHQRHGNSRPVPQRERLRDLRKGRLPPALRPAHARGRLPEGPLCAEDQR
APAIERPGAPPEAPEFQGAAA AEDA AFGSDEADPIAEAVFASMNTGGRLFHSTGHVFSVL
ENCGGPSADPMLVLMVLVFDVVIYYSVDANFLEFQLDLLEGLV LALVEDEDGDDRRPSEPLA
LSETATREDPLVA AVA VFGVEEGAVLPGKATNEFLSAVVATRLLSGWLP LSDLVRLAAG
IEATIPFRPVGPSGETALGALHDRLSPLVLLPGNGAAAAAAA

>comp3235_c0_seq1; 383 589 1479 LEN=1527; translated

MTSSNLQIIRFVLFQLALGSGSIFGEGFQHQQFSILESYAGRRTSRSSLVFSKSKADEG
SSESTVEEYRNVATKILSNFMQKDKMEISDDENTSSTVDFESPKISPSTSLETLISALDY
ELSEKEWFVTGNVNPYSYFSEDFTFQDPDVKVESIEDYSKGVKIFNQSTARAEIISTALT
EEVSSSGNPVVTVTWRLSGGVNIGFGLDIKPYIVYTDVDFVIDPNTSLIISQEDRFDIPSWD
ILLSALFPFLIGKVTKPPAAAVPKRKLTMKIELIGSESRSSDLSGVFKSIFGDKS
>comp3236_c0_seq1; 186 1 717 LEN=871; translated
QSNPIQSKPIRCDMRYAICDAMVEGSDARQPSAGQQRSVSPRRSDARCILRIANANAN
EKRKEMTPTDVLSAANAKKDXKVRSKDGEPTTNAVASCTQWLLARSFVCSGAVARGKKKV
AGEPQEKDDQQHDCNGWDGVEAADRPPERTDGAFCSPSIAVSGGNAGIVTERRYGTREE
RFGTNHRDVRSKECPGSFVPTARDRSHGIQLFRIRCDVFQYPYTFLLYFTSLHFTF
>comp3237_c0_seq1; 187 132 764 LEN=924; translated
MYRDERTSSNHMLSIRSILFLALLVVSTTAFAPPSRTSQLKSPLFALEVVEENDPFEAYQ
TTPEQTTVVFKDNQIGTGVLVGEAESQQLKIKYTATFLEPNPGAQFDQSESFVCKTGQNK
ILPGFEEGLKGMKVGGKRTIRIPPNGYGDQWYKGTIPPNAHLQFECELLSIAQTPQEEF
MEKLNLDYGVGRAIGMTVCIGYLAISPFLTQ
>comp3239_c0_seq1; 838 235 2634 LEN=2704; translated
MSGATGSATPNVGLSSNRNSSSGTPSAPPRPASYGAAIPAATSGNFPAIGSTLGPYFSVG
RLGFGTFCSIHKCINLGYHHNKKRKTENDKRKALRLVAAKVEIGEFKNSGVLGGEASIL
HFLDESLPPNTVPTYMGHYVNSNRDREQNKTVTSAIVMEYLTGQDMHKIREWSTKHQEQQ
QQEKHERAERGDDEDEAQFSPESYGVGKNGNEHGSPTKGSATNNRNKSGASTRRRIA
IKDAVYLTAHVLLPLLRKMHSVGIHRDVKPSNVVKNRNDGDEDESNSGSNADMFCIVDF
GLSKSIVVPHNTADAKQSWKGSTWGMASAPGTAVSSRDPSPGFELLSPDSSGPTGKTN
NRPCYRAERPTADFRGTSMYASVRVHQLREYSRDDIWSLLYVFCDLASGGLPWMLYAAN
RDRAACKLLKERIHGLEPHADGRIGTDTKRLLLGDEYHRALFRKRNGRVDPPMDHEEGAL
IEDEEDPDLKPLALSEDVHKVGLLTKAFEHLKGLGYADIPDYDLIQGCLEGFREDGNKP
STNGSEAGNGSCETPIPCIDWGLLAEHSRSTENAVHNGHGSVPWGFLDGDKGDNPLD
ASVFAEAERSILRGNGEEEGGPLYGEAADMARLPLELRFMAQMDYNTAHTTIEPHLA
LRDWLAACLLLHTPWDSKRYERGGHRSRGDGYKREFFLRLVNKCLGGAARFGGFRARGV
IYRGGDENENTHNNNNNGSSSERPAKRRKVGMRNVHEPPGNETADLLLLSRVLFELRYTK
KLEEKLSPPPPSRLSFGS
>comp3240_c0_seq1; 614 39 1328 LEN=1527; translated
MKFALFTASALYCANFATAFAPATRPAAVRKSVVPAAEQFDQEQFIAESKEMRLKHLEE
QAMYALKISCENYGNVFPNAMIAGDVVITHLLHRMGYLDSSKCTIMCVDTFHLFPETM
EFLKEIEEFYGFKAEVFCAEGIPVGDKDAYDKRYGADLWKENIEEYDRVCKVEFPQRGLK
TLNTDCMINGRTRWQGFERAWIDLFEENAPIGGGLAKCNPLAYWTLEDYCFDYIAKYEVP
PLHASGYPSIGDAKDTIPIPEDGSVIFKDFKFEQDKTQWLDYASERKGRFVGLANADGST
KTECGIHVGGAEKTWDRDLWEEGAVKSIESNDAALEITKAGEASVIQVYAPWCQFCQKME
EDFSTFAEGSDIPVYKFRGDEDEDFVNSANLNTEFPTVNVVKADGSVVKYESEDRSPEAI
KKFVADTLA
>comp3241_c0_seq1; 514 65 1375 LEN=1400; translated
MTRFENVRLRSTKKGKTKKAPESSIDLLKAASAAMESLDVERAYETYSHAATRLO
GADNEKHGVEDLIHVLEKMGELQVSMGDQDLAKDHFVRCGLGLEERGKDSAKDMSYYET
RSNLFCFYIGQLSLEKEALDAYQNGITSLEKCMQLVADGQEIIVAMQDESDETTNNHEAIL
KQKLSGAYCNIAELYLTDLCEEETAESDCEQYLEKALQLKSDGEPLVDALQTMASLRLS
QQRQSEAIIPFVLRAYEKQRVGSEALATLVGLGEKTTDDDAASKGQAQELLEVEAANNLP
EFEFRCQTAKLLLECAGLDREESGGTDQANECIAAAISVLGSLLAQNDEVIEIWIYLTGCA
FAAQPPPLVDAAKFYLERAKEMLTDIQKALKDELQYADDSEKQELQEQLLEMNATQMSDVQ
SKLGALPDAVEDMEEG
>comp3242_c0_seq1; 223 53 625 LEN=625; minus strand; translated
MPVLWFLQFLRFLPVLLLLVFFSLLAKRRKQVRVLPVPGREPPIPWGGALTVLVLVQFENG
EGLAEDRANGSGTRFEHGFELSEGFDPGPPSVENSARGSGRSGAVWHTQAGRREEPNGGG
GCALSLSFPSSSLPLSSFLSLFRFRSLCLCLGLLSVVSIAIVSVFVSVILPGWVGSEAR
SAFVNDDDDDX
>comp3243_c0_seq1; 201 1 621 LEN=841; translated
QQQQQQRSEPPQSEDASVLVETLKSQNSILWERILRLQHTVDELEGQAARLVEVNSKLE
IELREKEKMNQQLVQKMISTRSIAMDYTSAKDAEISLLKEHKLLLATKNSRLQSYLRTTD
KFIGSIQSQEEMMKIQQQHLESTKRSKRKLTSTIFGDNEEHKTPNKTIVLVESNECKK
EFNCTENSLGTGSATGKGSVDVIELL
>comp3244_c0_seq1; 388 1 1210 LEN=1272; translated
XAKQQEKDRSIERLLQTAFSMCDPLPSSDAGPLIRWAQRVWFDLAEGSFYPSSYIPFAL

LHKKVDLPPWPTQDACWKSSELHKDWGVRFHGSREDVNYRISYGDSGISLQVDWDSVTLV
GNENGYEKQGPSAIEESADVGLLTSVRDAVSIWYNITKDVPCYNISQAAPNARTMRRT
TGTKLPLLSPPPVEGYARDAYGDPFGLTEAIGSKTVDPERICHEAMVEQGSWGLLCCND
EMNLVITDAQGTGHDFWPPSHPRSVKTYRDMIRNSTFEPCADPYGIYGSKEPIDPMSM
RLDAYYGSNTKGHSNIVFSNGLLDPWSAGGVYRDSVRLEEFFDEDKAKVKINENDVVA
LIIPFGGHHTDLMYSDDSDPNSVTEGRKIEEYIERWIRDWKP
>comp3245_c0_seq2; 203 71 347 LEN=347; translated
MKAI IAFLLLSAADAAGSLRGEAEPRGPPIACLVKGGTSQSQCATTSEDGSTCVWCSL
SSYGACVDESIATQMKQMLPALQCDNEDDDDDX
>comp3246_c0_seq1; 343 151 735 LEN=1235; translated
MSSSRVHHFKLVLLGDTAVGKSCLVVRVRFVREFFEFQEP TIGAAFLTQTVALDDSTVKFE
IWDTAGQERYRSLAPMYRGA AAAI VVYDITNPDSFTGAKSWVKELQRRGDPNVVIALAG
NKADLESRRKVEFEEANSYAEENGI LHLETSAKNANNVKALFVEIAKKL PKNPPQPEREA
FPLAAPQNDNRSCC
>comp3247_c0_seq1; 382 183 1100 LEN=1281; translated
MVGEAFLAPTATTTSTRSSRSMVDP MSTITTA EISEEFGKSVIIALVLGGGLIPATLSAN
SAMFSALSGRKGYIPEGKEPPADLET FENYDPNNTFDPTMGNANNIKYREYVLD SGATGP
ELPSSQLLFASDKIPVADIVAVLGRIEATESIVDWRNLPSATRGT VTPGAEPPMWLPRKA
FKVLIRKSKFLGWPTDPK TGLPVGGEELKQSEEKRISKKDAIIGDAALDAVFDSWTGGAS
IATPKVAVKLSKVPAKNEVDLDAFVQA AVLGRANTAF AALS FVVIQIIVFGVLFVQPL
IEELS
>comp3248_c0_seq1; 277 719 1694 LEN=1716; minus strand; translated
MAQYSSAVRASALHCIAFH SASVRACKRFRIYGG AIGVRIGASTLSVGQLPVAGPRPHP
LSPPNQIQELPVVFFLSVELFSEGGRRSPA EPEPVAGPVHQPRGAILPAPGF AAAALLLE
VRLQPKAMGFRPFLASFGATGSAGGSPYGPALCALVPACRRPRK VAVGVVDAVRDEECVP
VRPQLQGLAILVALVVGRLFAAASPPDCVHRRVVDLGGPARIGPVRKPRIPVDPVGHEED
GTACLAPGGFDKVL SRQQRERFFVEALPLV VNPVSVPKVND DGGFPLVVVVARVGSSAA
PFESRGATDQGRMARSSGVGSNLSW
>comp3249_c0_seq1; 147 324 566 LEN=566; translated
MSDDGLWEKPSWARGGLK LKKTGRADTMKSSGNLAAPITFTPFKNTDHSNKVANQQMLKR
SEVGEAVKSGEDLAAPITFTP
>comp3250_c0_seq1; 215 47 295 LEN=295; translated
MAITNLSEITDAQKEELVASLACL VIGEGELTSES VQAVATASGNSVSDSLAALFATVVG
NSKDGMKTFTPPPGGGGGGGGGG
>comp3251_c0_seq1; 476 1 1667 LEN=1706; translated
XPSALIVTKQNCRYKTHSTR TVRYVDQYYAGV GAPQHCHDVPSKACGDALGWLCVLLL
HRSTLRRICDRACSGAGPPAAIEPTPPLDCCLETGVFPKR FVEQQKLQRILAVETDLEEN
GVRGEEIEDEESLEEVSILCPPNCYGGANDESVPDERYL PDGIESGGEEEDDEMFLRSL
PPSGDPFPTAATLAPAENLHGRLLCAAGCAYEIEAPYAQGAGFVAGSKITRLSVGVNSCL
VGRTE DGI VVAFRGTQAGSPLDWLQNA AVALRRVPQGYAPRGRSRVHEGFY GALRNKLGRA
VREVLRLRLREDAEAREDGKSGDSRPPPPK VVYLTGH SKGGLASL FALVMHNDEELPD
PEGVVTFGAARVGNSEFASHFDRLIDQSTYENNDIIPFLPPGENSMQDMMMAAMEDPEKM
MVMMEGIFWSEEDRKQLKHKSWGWN GRKNKPYAFWRYHPIGNRKYISPDRTVIEPVTS DL
DASRIRDLERKTL LRFSEFRKAHCSACPD DLKGQEGTCDGGYFSALAPEVCRAWRSIEKK
AETATKETKTKNDAQ
>comp3252_c0_seq1; 276 1 1135 LEN=1227; translated
KAKTTGRNNVTIRRQHHWFLSSSRKRARTEHWTSSSSGNNKINSSNNTAIAAGR FETCSI
RCDKVQYRAIRAMPSSSTGVTRQRSFFLPLLLVLASCLSPALSLLSLPATT TTIASCR TAME
LAAAEPNTAPGEP PRGTAAPSFKVLGVC GGIGSGKSTACKLLVSSCGCLAHIDADKVAHS
VYAPGSRAVEDVAARFGEV LKNGGKGDVCEPREIDRKQLGAI VFADR SAMADLEKIVWP
HVGAAIGDTIGK LREEWERSGGTAD EPGGRLPVV VLEAAVLLDAGWEDLADGVWAVTVPR
EDALRRLIESRGLSEAEAAKRIDAQASCRGIGNVPEEVAAGAVTGVVANDGSLSDLERVL
RESLEDPSFWKPAKEPC
>comp3253_c0_seq1; 299 1 787 LEN=808; translated
XANNKEQMIAMMETTKSSRRVLI AVVLVAITMTNDVGGFNPAVSVQSNAQSRSKLNYVP
ARVDTFVEADDSAGGVGLAKDSAIKIVGDVKHKPGKAESLPKDLLRYNNLLTVDEATVQS
ALKNSGSTILCMGQGVELYKDPGQTTNKEVTYGPQEAIKDAFTTAASAMESETLVFNFLG
GDDLMLGEVTDACSELVVALDIATKAKISFN SVSHKAIPKGTCTVTVVSVGSPAGDSMIA
QGEVYCRDQTYTTLQESDLNDE
>comp3254_c0_seq1; 372 179 1165 LEN=1628; translated

MAACMPMLMSALLKHMFTAPGQEPWPHGSLRLINCGGIPAQPLNSAERIEALRADFVHKD
EDVWIVSVFKSGTTWTIGILAAALYDHPAAVYSGNLQKMTRTFPCQPELPLDGLWGDDGFH
SMEELNSWSSKRRCFKSHWPSQDFVLNPKGSKFIYVMRNAQDQMI SHWNQVWGMGFHYGT
ANISFEDGWDTFVQDWLEGNVENGKWFHDHVASWYSRSKEIDSDVLLVRYEDLKENTDETI
RKISNFVDTPMSDDIMARVKDLTSFERMKEADEKDIGLKFMRWLGVLKHHIRQGETGAG
ELKLSSEEQKKILEEQYESKLLKPLGMPREW
>comp3256_c0_seq1; 170 1 998 LEN=998; translated
XSPFAAHPLCDRSTRRGHPNSNKQTQQSSRATIAIPNSSSGVPPAAGEGGPGFEPTXQKQ
AGRQVVAFRFASFRSLAELRRAPSASTQRNARAARREGGMSSHGRSRASGGHRRRHYG
DHE'TDEHRSETAERYRERNRRADRLHRERERERPGNRESRHRNDDDDDDREAKKRRLAAD
REERMARLRDQLRKEDETLAELDRKQAETEGGAAGSKTSGPTEAVVEVRPGDLEGLDEEE
QMRKLLGFDGFGSTKGEAVEDNHSTAARGGAANKARKYRQYMNKSGFNXAAGKDELSR
PELPVRGSGGARGRHSADAHQSEAALCQYNISAX
>comp3258_c0_seq1; 529 1 1570 LEN=1631; translated
XDXSETTTATLVAREDRDVLVLEYNASDTRSKKALQFMGDLTGSHGIFSQKTGAGGRPQKP
SVKKRCIIMDEVDGMGGGDRSGISELIQMIKKSKTPIICICNDRQSQKIKSLLPYCMDLR
YSRPTKNSLANRAVRIAEMEGLVVERNAEAEIAESCGNDVRQVLNLLQMWAAQKKHVGGEN
DNSLTYKKLDRGRS IQKDEMLRVSLFDAAKLIVEGPRDLQADDKAKLDSLFKRLDAFF
VDYSFTGLIVQQNYPKVTNSQYQRIKGDDEAEIQLLERFHKAADSMSDYDMVESQIRGGD
LNWSLLP'TTSM LAVKTGYHAGGDTGGFLGGFPEFTAWMGKNSSMGKNYRLLSELSHMNY
KVSANDQELRQAYVPVLRDRILGLLSRADPDANKEAIDLMDYGLSRDDVVDKLNVLILG
KKDFSFEEDLSKAKAAFTROYNAGSHRSQALIREQGGGAGGAKKKRKRAPITDEDEEAI
GDSGDDQDSEDELDEEKELARLQAQFKKKGRKKAAPKKKSKK
>comp3259_c0_seq1; 335 228 1073 LEN=1594; translated
MEFPREFISGDKKEFFVPEIPNHTNRSIAIAALAFLLLLPVPASHAAVPAARDESSYNCP
KYFESQTLGIQNVVRQPPASSPPAALLSNARGNTSKTSGSLSSYCPASQDGGKEYNRDEE
EYSVRGLIYLPNNRMGSSMDNGKSRNQNPASSSLIVTVRTSENPSSSIPLMGARIPLA
QIESFPISFVLSESSNNFLMADRSWERSVLDASNDLYVTAKICLDDGARGDPPLFEGSGI
SRKILVPSGLSENEEDGFRAVRGAASIRMAGASVPDALYTW
>comp3260_c0_seq1; 279 1 841 LEN=969; translated
XSYGDPTYEDASGEKCIYTSKAKNHFLNISLHTDTVYMKLNSNATIDIRDDPQIGKFFSH
PMNFADVWEIRKLNIDHRFRYTDIPEYFIRALENNPEACPNGLSILPSRYIANGTNNNDG
FVEKYTRKPPFTSNEELMNFKKIWI EQAQS YFDEVAPSPSTNDDEVAPPGSRKKSKEQLC
CHSSNNIKFICLLFEAIDRDTIERWAIDGDTFLAQVVSRRYDTHPLCRDILLSNTSYGP
NVEASQKYEESVDCFSDTKPHISSSGGHFRGAIRDSICHW
>comp3261_c0_seq1; 329 143 1645 LEN=1951; translated
MSSSRVTTLAGNFGRLWKRGHESFSPDSRRILSVQKGATAYLQGLVTSDLLTAPVPPR
EEKQDQDTGLETADEESEAE'TSGVDFSDHLRATCFLDNKGR IITD SLLWKVDENEYYIDV
PADTADP LLSHMKQFILRRTKVVKDESARSGMASHVIFGTLNARNTPDGFLAGVDP RHP
SLGTRVLSLDLPKGKEFTQMMSRQFPKAPGTYNLIRKLAGVAEGSELKGKVAEANQEFM
NAVSFQKGCYLGQELTARVQFTGAVRKRIMPLMMTNVNMQCPRPWLIASQVQKEQYQQQE
GIQTDELFTRSDESGNKDEELLPSDVSQLPPLPRLSPS IAGSMIASMSGSP IVAESKGE
DKENSNNVGGVDDAKKASDELQAQTEALFEELQSYKVGDKIYDSNDGKAIQOIVALPEE
GTNVLLAQMRLDRVGLLEKPAKPKGDDKATGDADDVPTWKHTNKVSI GEGSSASPLRFL
PYLPLWWPTIDRGSGKAKEE
>comp3262_c0_seq1; 302 451 1197 LEN=1197; translated
MLMRLLLAGSLFMGVAESQYTCQFSEEI SIHKGGTTFLSNYVNEDEGTFTMRLRYTGQA
WVIGVNTGKGMMPAHAVIGDVSRGVKRYSLINDDKKASGVI PLEDVNAHLKAGKFHQ
TDSESI LEFTQDLVVREPGSSVYHEISLSSVWIFAIGLPGNAWEGKHKVHGAFDGLLELF
KGCVKDTPPTLPPTDMPANIP TNMPTLPPTTEKLTFEANGVDYAINQEDPYGDEAYTFDG
YNETFRNET
>comp3263_c0_seq1; 537 178 1581 LEN=1736; translated
MKVKEEKENMDQRISLISEQNNSDRDEREDEGLKNQRPIQNERQRGRWRKLAFWRRGQTL
DEGVESEALMPSGFGDDEGLLGGDI STSDLVYQYKTDNEIKCSTSDYNDDGSDEEEDTE
ENLEAIEEDNLLILTDVPTKNHKVLNAAI SPTSVMASLNGESSLNCDSSSTRSSESSSDC
SESRS DSSSESSSEDG SVVRKHNHVDLLL GPLECTSFNSNDNSDSSLESEIDDSVPAPI
STTGRPALDRRCAS'TMSFFDKKDHSSKFSQSSVRSQSMRSGFCNGKEDDYADIDSGR
KRLNGRIEGFGSSLSPEKSSSRTLRQLQSFRNGSSEMKKMSMERSSSWTTTVE SRMND
IIDVMFVPPPELRFEEGYMIASRRDRDVIPTSKGVNPTKSN DYIARIERELRQKDLEITC
WKNRVKELEKEINRLKEVIDEETLLNVCVCGQKTTEIEWQSEEGDLLS

>comp3264_c0_seq1; 412 62 1192 LEN=1350; translated
MTESSAHFYLLHEEHCHCCVTSNASKVDTLPMSSIDESRNDFMRTILDLNNRGSVSLLDG
DYSVANNLFELAMKRLKDHSESESGVLPSSHLPVQFCDCDCSSSLPLDELDDSTESLPAP
PSRSPDSDEISTVPVFPNSSRSSNLRIKRMSTSTLPMNPFYQQLNQAPQACQTDH
KFYQQVYCLPIVLDDEGEWNNASTKDKSFVLLFNALCNHLLGMELLGSRQNLKHQGEHT
KDDRDKRVLDEMCSRVFITARVLYRLGLENASSFIHGVDKICYLAIFNNMSHVCKTMDGF
NSIEAFAMDKHLLKAIYWWKDTECRRIQETATWARTSPGTANTSIVEEDGEIIDAFLDNT
FYLVGVQQNVAPAPVA

>comp3265_c0_seq1; 542 286 1170 LEN=1361; translated
MPIAGIKTRTDLQNDLFLCKEERDFEFESRFLQVSELKALKQELAKSKKEIRRLRMFLMD
QDTANNPLLLPPDQIDAFPTPKNHKGSFRGSFGTRENALCEDKGGHGHYEGEDEGRNDS
IHQHIAEKDDASSLTAEIEELDQQDETLEREQERQDQERHREDLQIQSSSSSIRTSPSR
YESDRGDGEEEEEEEDVRKSAEKLLAWASYRSTMSNRSLNASRTGDLSSVASPSVRTSGS
ARVSLLGKMIETADSHDRDDNSHCNNDNCNEKNLSLEEEKKDEDCSRGNEVQAN

>comp3266_c0_seq1; 613 193 1917 LEN=1972; translated
MFRPLPTSSVASVSSILLCVSFLSQTTQPFTAKPRVATTKNIPSSPTELFSAAAANPTS
EIPELMLFNSKTRSKPEFQTLSPRKVAMYTCGPTVYDYAHVGNFRAFLTYDLVKRVLLYF
GYDVEHICNLTDVDDKIINRANEQGLAVGAINDLTLKFENYFFDDLKALNVMADRYPRA
TEHIPMEMMILQLAEKDLAYETEDGSWYFATSKKEGYGEQLVQLNKDDMESQQDDTAVG
TDMKQDPRDFALWKAFKSPDREDASWEHPDGKIKKGRPGWHLECSAMARKYLGDITLHGG
GGCDLQFPHHENEIAQSEGVTKPYCNYWVHNGFVNINDEKMSKSLGNFLTLRTACPKAV
DVRAYRFFVMSSQYQKQLGFTAQAMDASKNSLKRIDRVMQQIEDAVGRNKENADGEPQSS
STLSDAASKALKNFDLALLDDLMPRASASLFLSVKATEKEFEKRVKDEATLTLKGLAE
VQSALLQMDKVFIFDYVPLTKEEEEALAASGSSDSEGGATEVSDVEMELVVQRTDAKEA
KDWEADSLRARITELGFAVKDVKGGDPIVTKIE

>comp3267_c0_seq1; 337 719 1918 LEN=2045; translated
MELYSFSLSNYALWPFLLAFFSLLIAVSAQDVSRRYLEEGEEEGEQVRVTISSGLTITSM
VLGLISSLLCICALIFVISFRKRTIVALGQPPFLCLICIGSLMVGSKNLFESP KAVVRMG
TLINMNLDTLCIIRLWLLDVGLIIVYMSFFCKLWRTEKVCQFRKNQIIHVSHVIGPFVFI
LLLQIGLLTAMTILAPPFWTWKVPMPKPHDSSNTDVVEKCYQYQFSNRMNMAFNIA TLAVV
IICQAITIWMYSYKTRKIREDISDSRRIFQTVVFQILICFPYTLVNGAFTNADVTFFVFLY
EAMYPFLMSVSSVGFLIFPKIHCILYQRKFGQLPSYARTIGGGVHVSITSSSLPTNSTPI
TRNATSNKIAESRNNQTPQVPVRDASATNKSILKEGMA

>comp3268_c0_seq1; 249 1 428 LEN=428; translated
DEEDNSSDEDEENDEDEDLIDNFVRNDDGGGEGSVAMPKLECIARAMGFETAPPK
PRDRDQVEEELTLAPTSAPT KKRKKIGKKRANKGGGGGK KKKKNQKNKKKKRKKKSEE
FHYEKTDKNETITRHTITSSIGX

>comp3269_c0_seq1; 239 174 550 LEN=550; translated
MFFAKRWLPAVLAVDLVSRSLSLVXQDGGGSLHSRFPQPTQTTPLGASVLDLFRVLEEEE
EEASKNKKNSRSKAGAALREPKPFRMEFEEEEEYGEDEEVFEMTDEDNEDEDSNEGYQEN
ENENEN

>comp3270_c0_seq1; 253 561 971 LEN=1243; translated
MIVGSSSCNSACSHRAGIRQDYRRSLRYTRTLDVILEETSTEQNQQEQHFYVTPNNSQ
HLEQDNRSSCDSPTTTTVLTDFWHSMQSMKKSATSVSLNCLVGANDNSNNA SEELNSGVL
IEDDEGYDNFLDDWDL

>comp3271_c0_seq1; 483 144 1814 LEN=1996; translated
MDAGEQTKRRILVCCFGSRGDVQPFAALARGLDYQEGSVRFEVLGITNVNDGVSIFRSL
GVKAEGVHFDMAKMIRENPKMKNAMETGNAVAFGAFMSKQFVRHFPKEFSEQWKIARDFR
PDMILGTTMMWLQASAIQALKVPVFHADLGPFSFLPISRATQTEMHEPQCLHRFMSFLM
VCSMSVLMNMKNEEGDSSLGTMHKELVAGGPGAGPNAVPESEERLLGENGAGQFAREWNP
LAPNLFASISILPKSKFDDLPIYAERSVWTGNWYVSKAIQEELARTGDPNFSNNTKGV
DVQKTVLEFIEDQRYGTDLLCSQPAYIGWGSMAVAVSPEHMTRLAIESLKLAGLSGIVLG
GFAKLNPMDLKEQDRDLCDYAEKHVFLFLQSAPHEWLFPRCCVTVHHGGAGTAAAFRS
VPTIVTPCIADQYDNASLIEDSGCVGFQKPLRKIKAKELADVLVRCSSSSSEAENGNRN
VDTIRSKCKQVAELGKEDGILNAIRVIEDFVIKRLDSGTWKQEYEARLQORIETPWSFF
RALYRMLIYKDPFVEE

>comp3272_c0_seq1; 164 594 683 LEN=683; minus strand; translated
MDHDLAAVAGDAAGCVAGAGMDCVGVVVV

>comp3272_c0_seq2; 164 766 855 LEN=855; minus strand; translated
MDHDLAAVAGDAAGCVAGAGMDCVGVVVV

>comp3273_c0_seq1; 110 168 710 LEN=853; translated
MDQHEHRVSPQNAGAERERLGGGPTATSDDADPVRQSHSIPLQDLPCDAFALVVSYP
LESLTNLGSASHPLGRMVFRQNLNCDRCRIPLFADENLSSRTPHTRAFSCSVCRSTLCG
YQLFDYDRRNCKPQKCDGCGSIECRACMEAHTSDEHADGYGTENYCKACQGEFEFEGMGGC
>comp3274_c0_seq1; 166 126 461 LEN=1241; translated
MPEFGDPGYVYDPMDDLPGQKYVEYSKDGEDGETKIKDVDSGLKFEIKGKYIFLKEVKHP
APTHNLHPGDRVIAVNGKTVEKYKKDLTKIKTAVDDHNVVRLVVDPTTLRK
>comp3275_c0_seq1; 350 305 1147 LEN=1519; translated
MKGRDTRKFRSFLSSVLLVLAFFLLRSTSNAFITISSKKLVQPQLSRFISPADGRTNLQRT
TFHEVYAQNARSIKPWYSSSTTSLSMYNLPPGGSGGGGDKNEISEVAKSVGSLLLVVG
FISPLGGFVLGIFNSFLLLAFLPLLATVGFQVWSSLNTVKGECPNCGAPATVMKTKSSG
TNVVDVMPAQSI CFCGAVLQANDDNTGINNVSGRTSIDDNLNSPMGGQSI FDLFSTPPQ
QQQQASTTRTSETRKNNTSDSGVDKGAVIDVDILDDDKPFQ
>comp3276_c0_seq1; 312 1 1646 LEN=2135; translated
XQKDNEANIDDSKITNETDSGGSNNFQQKDRDRPPLNIVIFFPDDMNHRSLQDVSGTGYV
KTPFLTELARDGIRFAKNAVTTSCWMSRATLFTGQYTS SHGSMQLKCPRTLPQYWN
WVATLQRLGGYYVGHVGVKQYMKNAPLPHYFNFSNFFEGSHWYSHQRQPMASD
KSVMHAI EFLQERPKDTPFALTVAAYYPPKAVGASKEPGGQWFPKESKALYANTTYE
PPYDVEKAHADLPDFLKKKIMRNRYLERWDTEKYNTGMRNYHALVTEVDLASSQI
VEELKRQGLYENTMIIFTSDNGLMMGSHGLGGKWIAYEESIRVPLIIYDPRMPSEK
RGSVDNSMTLNIDLASTILGAANIAPPEAMQGRDIADLYLSSNDGTSKLKEKPWRTE
YLYEYPIWLSLQNSLIGERYKYIHWMGFQSEQLFDIQEDPFELNDLIKQVSKDEAEV
DSNHIAQMEKLAVGLFETLHGVKVTISELHDLKKEGIAVQNKSESEATLKELEAL
ISELKIRYENVRNEVQGGPKPDWCDPSLEYYP
>comp3277_c0_seq1; 326 1 781 LEN=811; translated
XPASLSPAIPTRPASPGGMALSTPTQKLLGTTTEAATPVTPLDHELEMTSSKNGD
GTEELVDLLKHTTTAAPATPNKSFDDSTETDVSVLRPIANAEELRLQAKSRTMLG
AKTKSRRSSILLDRLLRSASKFDPDDANHQSTSTAGGGGTAGCDPERLAGSLMGLD
VADLDEFQGMFPHTKIAYELVEAHKLHIDQVME TLKVEMDALKDFELVLLLEQGP
VRPTEEEVVEYFESLGLCLEQRKKAGAILQKKMDRISQG
>comp3278_c0_seq1; 190 1 571 LEN=634; translated
XKQQQTSSSNSKIQATSPFTFVKMPRYQDKFENVLVPFLGNSKAMKDTARESF
GQAMKAHKDVKVIQERRARFVTGFSIVGALLGGNVGCMVAGLSVTIVSFLVSLR
DSPYHEI IETLNALGYKEKEQLINELERLLQCEGCSKDKFSARLYSAEKIPKGR
EKIWKLCLESLSYYFTQSESESESEWESE
>comp3279_c0_seq1; 384 155 898 LEN=1143; translated
MTNHSRSIVSQVLLAFTLLAFVLLASPSNAFAQEPKRFQRNNGRESQATATT
SNVGSSTCLNSTPQSPENQQSQTNKPDVVKQDFVKAIDRVQDEIEAQYRAQLEI
EPSPEGERWLAERAQAREEDQKYVFLVGKLDVDLPIDTQPELDTESIGPLVLT
NVWGRTAETGMQSFDTITKVSVKGNDDAGASFYKTKGTPLQETAGALTAQAHA
ISTGKTIDIQLEVQRLIKGY YAPEDKI
>comp3280_c0_seq1; 473 322 1410 LEN=1680; translated
MKYSTTAALLAIAMSGGSAFTPSFRRQESTTKTYSSVEVLVEAPLEETVSAE
VLEADEEDYEGPLTAELINSRLEKQLAKMRLKDQTSKQLEKEDLVI I HEDKN
ILVVDKPSGVLTVPGKNDNPSLAASVHANVKNSLPTGDHVVHRLGMDTSGLI
IMAKNKNVRELNGVFRSRKVDRYEALVAGHIEKDDGLINLPVMRDYRCPPFV
RISTDDHQWALVDLTAEDVGKKILEGPKE SITKYEVVSREFLQGFVTRVTLT
SITGRYHQINVHLAAFGHPIIGDNVYGINGEALPNGLTPAELNELIPNPNRA
DDETQLLNESVNAKKLPPCIHAKYIKFTHPITKKEYEFSTDS PF
>comp3281_c0_seq1; 361 54 1235 LEN=1260; translated
MRKIKRTIIPDWMVVALSAAFVVFVVGASSKNNRPHVPSQPRITIGSVEITAT
VETRTQVEDSPGNSTIALKKKVTKPKKKRPNGKTSGSNSDKRSYSSGTTST
SLRRIKREYKDAVDMG IAYDWAKQRLVTRKSKTKRAPSVDGDADGRIPSI
MCLGPITTNLRQWHFSFRGAGDGAYS KGIYHGQILLPKDYPMSPSVQMWTP
SGRFVPGRDICLSASNYHPESWTPKWSIQGIVNALRLHMLTAPNEIGGMQ
STHDEEVEFARLSLAWKQRWRDGGSIITVDHRLLEEGILSDGS SEEPTNIG
ELLQDLRGETGVREESEDESQGAEVAAEQADHATTEDGLCEYGKESDNRI
RFGARFSLSMSTVTSLVQLACLVIIVLLFFNR
>comp3282_c0_seq1; 317 1 1068 LEN=1385; translated
EFVKGGYHRTLANAGKYGATKPIFRDVTTRYVKLQPSTSRMITSFFKPKRVR
ASAGKENDSGEREETTTAVKKLRTHIDPPSKKNATLSPEAKELVSYLNHTNT
DSDSSWRDALGKHI

SSPSFDRLATFVAKERNQKTVPVVEDTFAALNLCPLSKVKVVIIVGQDPYHGPQAHGLC
FSVRRGVPAPPSLRNVYKELLNDASIEENFRSIPGHGNLERWARQGVLMINNVLTVRRGEA
HSHKKKGWEAVTDEIIRAVIDRANRRKQQAIEGGTKRGGVVFLWGWKATEKATTALAGAA
SRHTIICTSHPSPLGATKTKSPFLGSRFCFRANEALRKMGEHEIDWRVDGPLAQE
>comp3283_c0_seq1; 691 271 2112 LEN=2766; translated
MANSSTRTAALLSLFFLWTGTHCCSFFAEAWPVLPVSRTEPSSRLFLSFFEKNIDDDAK
KDSNRKNSNNNNHNNKHNHNHNQDPQYNPIRKRPPGHIGSKRNSLNAYDYGFNSRIDSSQ
PPPERKYEPSPSPNRRHEPAEVFYRPGGNRQALERETPDAKAEAAASGAEETKRLEFGM
EDLRRPGQQWQPPMPQGTIPTPSRGRDGRGSRGRNRYHPGSSRPGRTPASTQSPFSRAYSS
FSSTTTTTRRAYSSFSSTTTTTRRRTSRQPSGEPFVYFSTTTASSTHRPRSRYQRRPLTEN
PGMYRSSSRPEMFDVYDALQQRWQQQHEQQRRREQVEQSTSSPVTNADQSGGKNQTA
ASETANSEFQSVLDQAAIVLRKHLDLGVNEHIAVGPISQSSSFATTASFGVDSFYANN
ANQRMVRTLRLDGLCHSPWITATLTVDENDELSEIRLRSNDGRSDRVPISQSSRGRSGM
NSGVANGATDSINRSGSGASNQNSIDRSFIDVEIIDDEDEDEEDYDYDYDCDEDQDDG
EDESWNDGEGEESCGVDMDDESWNSEHGRSWSDSGYEASWGDDGDNGDAPWNPGEAGAS
WGEAAWKSIDRE
>comp3284_c0_seq1; 264 259 999 LEN=1111; translated
MSRGKYDNLCTSSSWGPRQTPFLFAEKQELSVYLDLSDKLDLDERITSLFAWLSRAFAGRDEYN
NLMLAIAAIFGNLPEDSPPVQMAKAALKDVPPEEKTGDRFSIEERESNSLGAMGAAQWT
GRWKTRPHALLELEKNITTTIDDWVKTLPRGCKRTIKKALAQNFVTTKHILADEPAPHSSL
AHFRCVIEHEVRLLRNMYGEDAFFDALAEGVSRYVGTTRMTGDIREYRSEEGKVIAIAHE
VCRTFH
>comp3284_c0_seq2; 333 259 1260 LEN=1601; translated
MSRGKYDNLCTSSSWGPRQTPFLFAEKQELSVYLDLSDKLDLDERITSLFAWLSRAFAGRDEYN
NLMLAIAAIFGNLPEDSPPVQMAKAALKDVPPEEKTGDRFSIEERESNSLGAMGAAQWT
GRWKTRPHALLELEKNITTTIDDWVKTLPRGCKRTIKKALAQNFVTTKHILADEPAPHSSL
AHFRCVIEHEVRLLRNMYGEDAFFDALAEGVSRYVGTTRMTGDIREYRSEEGKVIAIAHE
VRKGSTVRGQWFYATDEAAKNYVWFHSVYSLIERSLEAGDVACVDLGPSPGSDAFSELKAR
YGFESVDDWTRVADYSGFYFNGKPRRFSGLFL
>comp3285_c0_seq1; 569 65 1303 LEN=1539; translated
MVPSWILARWILSSILVVAHLGIALAWPPSRPTIRTASTKCSALGGDNNNGHEERESAQK
GRREILTEWVAGTAMAAAASSTSVGLPFAFAEGGQPLPPVEVTPLSPDAKCLFNEGRALES
QGNMIAAQRLYGKVVKISPRFIYGSNNGNTEVALGDLSSADDNYSRAIELCQESSAEAA
AQGFGIKKCNLDLYVLLNRGVSRLNTPGRKVEALQDLRQANLNRERPDVILQNLARAE
LNGFYTMADKNYNLAISMTANEVNPFWLRSAMVKLQGLDQGGRDLLKRVENRFPDAPEV
KAASATFLWEMARPQANPASALLGATSSPSNNKNAPDDAPAAKPSPEYKVDARQK
LEIPDRQRLRFVDPKYLDLTIAWPPIMKEGVTSIARNVGDYKRVAAAPVPQ
>comp3287_c0_seq1; 320 133 1485 LEN=1951; translated
MPSSTLYLPFKVPVRYDLVQPLANWLDNDDSHVAFHKENIGNSCAGVDAAPAMIVPKPAY
NSVQCRSELLRIAALRNCMSEALQDSHRTALEEHEMLRDCQDYHATLLEFEKRGFPPTGGG
GDADEENGIDLTRWGAFFSDDDDHGAQKAGCGGNGVPEHTHTLLWDRACLTWNIAALRSAS
AALETDDKTKEGLKSAISSLQQAASHLSLCRQILDHSRENEYISTVDLSKAMLQFWEKLL
LAQAQTCIYKLANLGGSSVRNHTTAYLIQGAAPLYNEALILAQDPRLOSELPTRCREWA
AHCKARSLVCQARAYFHMSIEGRLTKAHGLEIGRLNQTISALDSVLDVFCRSTQVLKEAIT
LAGGGKSGKGSAAISPIAEAAATIQPEAEGLLRLASDRRKAAEEDNRTVYMEHIPKPRDL
QEIRAQTMVKTDLPLPETMVKPRTNLFGWE
>comp3288_c0_seq1; 414 131 772 LEN=953; translated
MAPPDTLEALGHLQDYADASEKAHDELKSLWQLTKSRRNVRSGILGVDSANAYTAGLLR
EELRAQFRVFDAAARGDNDGIADLVNEEEGAAPAKDSGAASARSSAPEWKLCNVRLEK
PKTDDEQSLDPNPSSSWVVEEEDLTDGDERRNEDLDEEERILQTDPLKLFGGYFTARE
LKVAQRNAQRALDGYIQAASDAARLLAMLPAEK
>comp3289_c0_seq1; 308 74 919 LEN=1186; translated
MVKEYELLSFVPSVTPASSHSATYSCTLTNQWSAATHPVLYSSISQNAHWSPPALVAHNE
AYNLWTPNELASPGVENVAETGSTSKLEKEIQKAQKKKKAGDLVVGNGQFNRNDPPQTFE
SITLTPYFPLFSAITMAAPSPDWFTGFYDVAVDGGETGVVWYKMFELATFPWDGGTEQG
STYSINNAPEDPHPV IQQLTADTVPDNGILLNPDGDEVLPMAKWTCELVDSSCSNSDNLR
FKNFKKRNCAWAVAKRKRCAKVFGRGIPLSSWCPETCGKCN
>comp3290_c0_seq1; 320 227 918 LEN=918; translated
MIRPSLFLMSLVILAWAAPETAFFIPSASQRAPLPATSLSPSSRLSAIYSPGRSASRG
GNKDESKRQYRVGELVTRTELSRIIHSGVIKGRDATYLDEELRTRISVVSVDVSPDLRQA

RVSVSIRNANPKQRQPSGSDEIMYFEDDPAVDKRRAFSWLVDNTKTLRHTLAQKMSHMKT
SSPDLTFHQVDVAAATDVMYLIDKVSJKYKRESIGEYEF LGDIDEEDDDDX
>comp3291_c0_seq1; 397 66 1979 LEN=2120; translated
MELTRMITPWLANTKTEGVTAMSAPTSGEAMNTYSKAKLLVTIFLFRVCYLSGMVVSSH
LLEHNP GDDVLRFDMLNDVNGCFCLQGQACDNGATDYTASDCAILS NHSSNGSQRWYEF
LLTPFTKWDAARFLHLATNP SMRDP RYLLSPPSPSEN PWESSEQAHAFLPMFP SILQHF
SLFLYHILPEQILPPTFESLVVLSGILFNNFFCLTVATLGLYHLTFLVISRNKTLNSGGG
QREQQYHDKGRHFVASVVCLVFGIWNPALVFFATNYSETFFATTSILGHLCIKLSKNQGN
IAMWFIGIGCWMVGSYTRSNGSLQSLWLLQDGLSHIILLFRHRNSVCHKGGTNVATNPRT
TNLSYLFRAIVIGIQSTMGAVLVTLPVRYHDLKGWDRHCVGAAVRPSWCSYGNENPSVLS
SSFSLYRYIQDKHWNVGFRRYEWKQIPNFLLAAPITLSTIGVYQWIHWSLVTDYGK GK
FPSSRGMLFVGVPLHALAESASAFDQGASSGTVAHGSRNDTTEPVFAPWSLLENSLLG
HYAILAILAFVGLFIAHVQISTRMICSASPAITWFIANILMSPPTNDAGTSVSKYNEKEP
KSGSYVDILQEKRRDIVLFYIALYLLLGSVLHVNF LPW
>comp3292_c0_seq1; 427 254 1432 LEN=1744; translated
MPVLRNVDFVFKARADIRTSASGGLVTLAASTAFLLFVCQVCVYVFPNATHTLHLS
THFPMLPSGSGKTNGLSASERRAIDREGRIPLYFKITFLHLPCKHVDVALNGEPIRGDAH
SEWSSSGSSSKSHGKNHNKPIDRSKLTIKKYPPRSSEIKTIFGSEQSHGARAHRGKGC
LVGNLRVPLVAGSLTISMTRDSWAEAIQYFMVRSSLPEAEAAARQDELHKNDSTHFIHE
VRFSGKHGSGGLVEHGYPVPLENKLHSIENDLNGVALQEVHVKLIPTVHSNPGLLEKVF
GRRGRMYQMSVVDHTLKPETMVAGGVSTLLPGISLGYDVMPLAVHIDELNGEGGFFGFLA
TLVGI VGGCFVTVGLFAGCAVRSVQAVAKKID
>comp3293_c0_seq1; 85 1 722 LEN=973; minus strand; translated
XSFRFVSEAAPGGNREAAAVRPVVLARSDFRRVTAGESAGTTASASSKGDPAKPLG
PDPPEGPPQGRCKEPPPQGPFRVHF GFAPRASGLFPPLRPLPPQPAALFPGLPPQVGPV
LGTVPCASPAFGLQTQGTGGEAKGKRPASEGCGKRRHRPPLRKGDRRQNGSGEDPGGAE
PPTHRPRGRKVSVHWNVIGILDWIENAKDSADRTAPSIYGLSPREFLFLSLSLSAERSV
W
>comp3294_c0_seq1; 234 359 853 LEN=881; minus strand; translated
MPTTTLTSGTVARLSAALSAVLLL TGAPIIPLASASASGAPFCERVAGGVPLSPPSTWLD
FGRATVEENDLAGALSGGSLRYGSIGTIRGRPVDLLVRTKDDAPDSVRSGDGAAGLVDPI
YEGSFGQIALETVRDEPGSGSGTFEFCFVEPGTTNEVVADFFQW
>comp3295_c0_seq1; 507 205 1449 LEN=1599; translated
MILTAAASAQRSRFARAITAEASHLCRSLSAFGAKLDAPETLAQSPSDSDRRCYSTSP
FKIHSFGDDGKPLSEREMKEIEAEAEAKILAEAREAKTYPNWKPGERKRPLIKTHSEEF
MRELMPEKFLDNPIWTLRDKRCGALAIKVGMMPVWDEVWGVVRHPTTVLWLDNRNIVLGH
KTVKHYSAIRVAAGERKAKNVSKAVLGYQKEDPQLSESPYLVREFRVTDDHEHLLPLNST
IHARHFVPGQNVDSVSGISKKGFGQAMKRHGFRGMPASHGTSLSHRALGSTGQCQDPGK
FKGKMGMRMGTDRVTVQNLQILKIDRGRNLIYVKGHVPGQKGFVEIRDAVKKPLWR
TDKVLGSLERPPLPTFEYDSEIDGTGECYEEFMPLGDEDPLDPDYMDTTIAIKAQA
>comp3296_c0_seq1; 597 314 1945 LEN=1945; translated
MGVFAHRNVRRGQYLLEDDGDLVVPVYDMTRHVGHAKYHFLWEEYTWRAAGFGGMSE
EVDVKKVKACSPMGAAINCMLPLVNVVDDFDNRKVGLSGIEAVPGNNATAWSLSSPGAG
FSPYYNRRWKAKRYIPAGMELYGNYGEGYFKSRSSYGMIPFRENYKHADRLLRTRFQ
RITRKVATEEVKDLLISLQSMAAIWDES RNMNAI PQTDPKGDHAVVDWLLKKTGGTGM
LHYNSSIRDLDWLDHEGRCMDNIRDGVSTIPHAGRGAFARRKIRKGAIVAPAPLIQISDR
DIFTIYGKKPEAEDKKGKETYWLATDHDNPIHHQLLLNYCFGHGESTLLLCPYGLMTSH
INHDAVAPNTRVAWAADDQMAHPEWREKPIKKWARQDKAGLSFDFVALRDI EPGEEIT
IDYGDEWEEAWQRHLRSYYREEETNGSESENVLRHHLPAFELNKLVDLKLQTL
EEGDYELQGLHLFCRKPYVEWYGASATVPGEDDDTLQVRTESGGTTTTIQWNEHYD
WDDEVVFP CIRQRHTSSNNNS
>comp3297_c0_seq1; 356 140 1513 LEN=1616; translated
MRKMAGATIKGASRFLRGYRPAASLANSSSLCALQNISGYQISMAPPFWSPSCSVST
QRFA SSESASPPTRQRQPAPQTKPRQRKLDVAIVGPPNAGKSQLVNVLTQSP
IAAVSRKRHTT RSDLLGARTIGDTQIVFKDTPGFRLIENAKEERLDRDLIATA
ASEMQDVDFTLVLVDSAR KLSENYRHALVQLMIGAINSNRIEDSDDLDEEDSDRT
PKTARN SKDNGSNSNSNVNSN RYNKGKFAIVLNKVDLVKPKKDLISLAMDIG
SMADVCL EDQFKKNGKPFDFEAQLEHSP I VFYVSALKEDGTD
DIMELLDLATPSQEWVPEPGRATNMVKEQVQEVIREKIYRSTHRE
VPHAVQQVNRIFRRI PNKGVVIHQDLVVF TSKSHKLVMGSGGGRTLKRIQ
ESAQKDLQNM FGCDVALQLHVKFSKSKORRAQSGAEYNLGEVSQSVL

>comp3298_c0_seq1; 261 1 753 LEN=1005; translated
XKVLNDQGKCFFLKGREVAKARQQDNGIYHPISLPAGIASDFFFNPSPCPGFKLGTTCNS
GIFSRSSIKASCAEDDKVEVSGTVTAPSAFEDA EVTFVPCIRSTGVCFDEYSQRGGNICD
LISASDGSDCGSAGTYTIDQEFDIPEEVTDHWSFMRLVTIRVLINDEEACTQNATTNASS
SAFMATGMASLFAVGSLSMYFMRRRQRPVVLVDENGYADRHLGRFVQMNDLSPSVSSIGL
RGGFSWSGMA

>comp3299_c0_seq1; 317 1 822 LEN=859; translated
GNGNGNNNKDAQGETGTTQNVSRRLPPASSPTYSWGDSATDVA AVAWELAILLETCLSHD
YVSTICGALEDSSTGASAGAELRALVSEVLGETAAQIRPLVERAWNEIVVGHILDRCSGV
LGAVKGVVATYRMTNRPPTQASPYVKTI LRPLKEFADDLALRTPEHIGERWKIAVLASI
ADRYGTAVEELITTVQRTEVALQSRRTKATSSGGARISDGDVKVQLQLFLDYQAFCDARE
VLGQGGDLVSVVPGIARL GELTKEGAAMLHPK

>comp3300_c0_seq1; 134 1 640 LEN=753; translated
LSELSNVLEGTETTTI IASEIVDASSEKDTKEAREFASAVLTGTVIGRTLQDALRSLSEED
SDDHATDEYATKSDGTQARADGIDEDTEDGGDGDGVQDEKCAVRMDSQSMNRILKSFQEA
VVESRLCHKPDNGKAPRGLLKGRCDYFNRYGQNWMLMDEVQIKARPQKFTKRRRDDRPS
LWDRDDDKTAKTTKKEIVVKEKMQLLAYGDIS

>comp3301_c0_seq1; 376 88 501 LEN=618; translated
MKFNANVSSRRKSRKAHFGAHSEARRKLSANLSKELQARHGVRSMPIRKDDEVLI TRG
MYKTREGKVTAVYRKKVWHVERISREKVNGATVPVGI PASALVITKLLDKDRKAKLEA
KAGKKGEKKDET MANVD

>comp3303_c0_seq1; 265 688 1527 LEN=1702; translated
MQSVLLTILVLVLSVFYLD AFLPSEFRTRSQILRARQRGSLVSSPESRS AWPSGRSKHA
GNALAGSSVPNNDAGGEGAAAALSHKDIVWKL RPPAGTGRRRRLWLRFAANAIRLDCMVF
RKQLPTALCPKGGQALLEAHTHDENGRLVKIGRFGFTTERGAPAEPIQETIDDLYGVKQL
AGIGAI IYMFVEPEYRGRNVGTLALEVVR CIHAIQNI DFTVLVDDD GSGKLN DWYRER
YSEAPKLQNILGSPDAVHGISMIAPTSLTLDEDCRIKWW

>comp3304_c0_seq1; 698 86 1729 LEN=1847; translated
MPNDENEMQTEVWC FREDDIFVNVDDGNGDEDEDADEEEEGNENDATCHDI I VPRNFLCM
DALGLTNEIDDEVL SFLYDFDTTGLLQDEEEVKEEEGIEQKEEKEQEREEEEPTKALN
HDKQIISFDASSSLVMKPERDASYTPIPETHTQRTQRRGGLRSRLRLRLGRIGRKNK
KESTTS AVDCSCSAISSISGASASPNELNPT EEEEEPETTALEEKQSINNSK KIECNA
THDDTDDDN SKHSPIPLVLSGSSFGGIFDRKENIEYDFDDATEIQSNVSSKNRCSRHT
TKSEQFSHF TYNEKSDTSYTD SSGYSDDTRDSASF SASNKS HSNRNLI LSSANNAKNDNN
GELLRTTTKVNSFFRNGVWSKSKSISFSLKSNISGRKSTSSEFKTEGNDDDESSKASTAQ
ELWQARNEVRRIKQKQKHTKYKRTITPTLVHAGNNSQQFNCDDDPITEASPLEPVNTR
KEENPVDVAALLLNQHKVKIARWKSEQLMKRAVAKLTDSADEMIETVLLVGFHDHEDSYAI
QLKSVPL

>comp3305_c0_seq1; 197 149 463 LEN=777; translated
MSSKPF SVIVEAEIQPDRMEDFLKMIQNNAECSRKEPGCIRFDVLRDQSQDNKFWFYEVY
ENKEAVDFHKTCAHYQSWADFKESGGTISVSHKADGEFIGPKA

>comp3306_c0_seq1; 209 53 481 LEN=1010; translated
MSDPTTTT PASTTAGNSVTGTAATGQSVSSSTAAGTSTRIATAVGS GTTTVTVTDEEPQQ
VLRLTLVDRPTVTW DENVVDNEGMGRKSSKRCCIFHKEKAFGESSTDSSDYDSGDKNQH
KRIAHKKHNGKKKTPDHLRFHA

>comp3307_c0_seq1; 484 329 2323 LEN=3126; translated
MSSNNIRRNPNGSRRFLYGDQDEDSFSAHSSRSRNTQRSAGFSTRDYIVDQSVNLM DIGI
GDSASSVSLPARSSSIAGMFRSSVETEILNRFDEYGD AAPMADAE EYIDNDKRRRGTAMW
RKCRKALCSMYTLTLVSLTGIFLVVYTLVLT VNTKGREKTD SVTKADNKSGSGSSNKDA
NHERYALMIRSRIVDAGVTSEGLFDGGSKSPQKLALDWLVLED PANLKDDHPALLDRYGLA
VFYYSSGNANKTTLVGGWKNSDNWM TGK GICSWHGVECGIREQEATAENKFTPF TKTYDA
DSQVKGIRLEDNVEGTIPAE LSGLEMELEILNFDDNKLSHTLPSALGSLSKLKD LLIIGN
ALLGTLPAEYGELTEIHQLHLGKNHFEGPIPN SWLSKLT KLRYSLE RNKITGPF PDL SR
MTRMKGLFLHDNNFEGTLPEWLGRLTGLL DLRI GKNKFE GNIGLLASLQNL ETLHINKNS
FTGSI PNMF DHLFRLHELVMNNMFE GSIPLTLTHLQTLR TLNLG FNQLDGEI PAGLGLL
TDII IISLDHNRFE GTIPTLLGKLDDITDLT LSHNQFSGPI PSELGRCFR LERLHVQHNT
LLGDIPPELGELIGLIDLRL ESNQFGETTMPPQICALRESEELKVL SVDDNV SCECCTDI
PDAF

>comp3308_c0_seq1; 495 43 1326 LEN=2248; translated
MATYQNNHRHYSTDQHHHGTPPEEHFSSSYCSSSISNSTHSHNCSQRHDNDVVSRI PVRM

LNNRACVLVAMGCFAKANHLLLEIALSKHKEKMASKLFCPRASSIHAGPGRDTEYHPTNA
NPNNF'TAFEDDIYGFSDDDSEDEEDDGHCMLIDDSWTVTNFTNDADNACPLTDATQTT
SLHPLSSPSSSLTYDEDTNI IPPASNQSWGIPRMTRNSQLR'TKSYPGQDQGAERSHKSK
TKYKYHQVYSLPIVMSQLEWDHASMEERSFVLI'FN'SAVSNQLWGMNITSRVCRQDQQYLP
TNTNPWDLFQASKTLYKLSLEYIQHNIRCVDKICIPAVFNNLSHLCKSLEGPASQEARCY
DELLLSVYWLIDSLPSTTINSNNNNSSGIYRDNFYDGDNDDEIIDAFLENSFYLICESPT
AVLAAAA

>comp3309_c0_seq1; 1081 1 1898 LEN=2032; translated
XQENNNNNNTTTIGSVVDVVP'IKRALVSVSDKTGIVDFCTALQKNYGTCELLSTGGTAKKL
RESGLEVKDVSEFTGGAEC'DGRVKT'LHPKIHGGLLAVR'GNAQHDADMQAQGMSNIDMTI
LNLYPFEETMKRENVTFEQCVENIDIGGPSMMRSTAKNHVATTIVTNP'NQYDALLKELAE
NNGGTT'HKTRKLC'AAKAFALS'AKYDGM'IASYFAEQIKKDESDPEAFTKDVVAPRVYVPEF
KLKYGCNPHQKPAAILSRMGQKLPFEVLNGT'PGYINLLDAANAWQLVKELKEATGLAAAA
SFKHVSPAGAAVAVPLTDIECKAYEVTEETRASLTPVSLAYLRARNADPMCSFGDFSAVS
D'VVDEQ'TALY'LKKEVSDGIVAPGYTPEALAILKSKKGGKFIVLEATKDYDAGINEYREVY
GMTFCQKRNDTVLTS'DHMSTVVTDSAKCAPVNDAAVRDLIVASICVKYTQSNVGF'SKDG
MMVGVGAGQQSRVDCV'KL'LAGR'KVQ'TWYLRQHPKVLALPFKEGVKRQARVNARVRYIEGDF
TDEEKIRWNEQFTEVPEAL'TDEEKQAFLANSTGIAISSDAFFPFRDSIDHASKLGVSYVA
QPGGSVQDQGVTEACNEYGIAMCHTGVRLFHH

>comp3309_c0_seq2; 1115 103 1989 LEN=2123; translated
MAHVLSAVEGSVVDVVP'IKRALVSVSDKTGIVDFCTALQKNYGTCELLSTGGTAKKLRESG
LEVKDVSEFTGGAEC'DGRVKT'LHPKIHGGLLAVR'GNAQHDADMQAQGMSNIDMTI LNLY
PFEETMKRENVTFEQCVENIDIGGPSMMRSTAKNHVATTIVTNP'NQYDALLKELAEENGG
TTHKTRKLC'AAKAFALS'AKYDGM'IASYFAEQIKKDESDPEAFTKDVVAPRVYVPEFKLY
GCNPHQKPAAILSRMGQKLPFEVLNGT'PGYINLLDAANAWQLVKELKEATGLAAAAASFKH
VSPAGAAVAVPLTDIECKAYEVTEETRASLTPVSLAYLRARNADPMCSFGDFSAVSDVVD
EQTALY'LKKEVSDGIVAPGYTPEALAILKSKKGGKFIVLEATKDYDAGINEYREVYGMTF
CQKRNDTVLTS'DHMSTVVTDSAKCAPVNDAAVRDLIVASICVKYTQSNVGF'SKDGMMVG
VGAGQQSRVDCV'KL'LAGR'KVQ'TWYLRQHPKVLALPFKEGVKRQARVNARVRYIEGDF'TDEE
KIRWNEQFTEVPEAL'TDEEKQAFLANSTGIAISSDAFFPFRDSIDHASKLGVSYVAQPGG
SVQDQGVTEACNEYGIAMCHTGVRLFHH

>comp3310_c0_seq1; 536 214 1203 LEN=1446; translated
MKLVSPDRNGSRRGFLNNAFFILLILLVALVSGQDEYSQADLEAMTEAELEDICIKRGFQ
LVNEDSDELTKQDYVEAAQRCLAIEQEMNELLTQYPELADELEEEIKRMERENAEKQAI
V DGL'ENQISDDAEKGRPAPGTAFHREAI'LEDEENNHAVGSGVGDDELEISEETLVDEVVVD
SMSGEETTLHDTTLTDEEKSSGSQ'TETNLDEAQDDDFVDTQ'TVTDATPDAGTQIEAPNNS
AGKEDLTMTNLAI'ESLRLV'LVKNAKDDVRR'IINLAI'PVLP'LLNAGDVAWQQMKSLFLRAR
EAYEAYQATNTAPIEGSEVADTCDDSI PA

>comp3311_c0_seq1; 660 229 1911 LEN=2345; translated
MSATASSSKSAAEQITKKNKSTLSTLLQSNPKNTDWKRIKAILFTYHPEKKNAPNLEGLL
HQALNRACLDPSGVSSPTFDLILSKTREL'SLSERVRYTSTAIRCRNRKAVRALIHDDPSV
LFYCTNEEDDSSMITADNANGT'TLLHIACEEY'GWND'IEAFVLA'EILSNNKHHERDGRCYF
HNGLFQEMAESEMPLKLSLQAGSDLEKII'CHLKEQHP'SYLER'NL'DCLSQIIAEFCYD'MTL
LYDLADAYGIRLLTSVHPKDGSSPLGFACYQNEEMVRV'LLELYHNLN'NRTENRESCNNN
NRNSLLQVQKSLLS'PNNEGMSPLGHLLLSVGD'PDAENAWKCVNTCVRFFTDNDNITNF'DV
NDDCNNGGNGISRLQQRFPV'LHLFL'LLHTWDALIAKKN'CMKILDRIIQRFRIDFCVVDDE
TGNTVLSIVVEKLSICSPAYHGK'KRPHAMAMKILDYLT'TGHPVVP'SDVASNHHRPATR
DGRGR'LPLHSACENS'LPWKTGLRSIVDANVPALESYDPLTRLP'AF'AHAVGPKSDLDSIY
ELLRLHPGIIDTVIPLANSN

>comp3312_c0_seq1; 288 79 796 LEN=920; translated
MANAAAKKAAAGKLHSSLWRAGFYFLIELCLSKLLNATYFYLLMPENRIISGDLFSALPF
CNFNLLGTVSKRIAKQDAAKVYMP'LIVIVNIIYALLLLGTSDSIPYDGT'KWGIFGMIVTW
AMQAYAYIGILESSAIAAAKIKSNKDLAGGANL'DLLAVTVFVQFSSVLHSTRWFAVTFIFG
VPIIAGYKLYRTIYCGGGGGGGAGTKSQKLSKSENSSDDPAAAKRQRAEKRRQKWG

>comp3312_c0_seq2; 309 79 609 LEN=733; translated
MANAAAKKAAAKQDAAKVYMP'LIVIVNIIYALLLLGTSDSIPYDGT'KWGIFGMIVTWAM
QAYAYIGILESSAIAAAKIKSNKDLAGGANL'DLLAVTVFVQFSSVLHSTRWFAVTFIFGVP
IIAGYKLYRTIYCGGGGGGGAGTKSQKLSKSENSSDDPAAAKRQRAEKRRQKWG

>comp3313_c0_seq1; 505 149 1186 LEN=1308; translated
MSDDDQKKIESTEFIFLVAKSGTGKSFSGDYVDLFGDWKHVDGDTPLKNTHGNPHYENLK

NRAFQLEEYEGKDMEWLVTEGLVPYMEELAKLGLEAAKESDKVCISWASYFRPNRLLKK
LLLDAGAKDFSMVFLHCDLEAHMDALWKRTCRAEQAGCTITEFAALFKLEVEGEEYTK
QFVAFQKSSDWYKMWQDPDESEQPFQIVNVTAKDATVLDLDAAFGIEDSNRAHLSYDEI
VAKVRAIDEERDQKNYDAYVETLEGSEESKEELEFAQKEPELCKARRSLLLADKMNSMR
SLSSVEGEEERQSLAIEALSRRSRKSFITTKGLFTSEELKEIDEE
>comp3314_c0_seq1; 327 60 1262 LEN=1497; translated
MVEGTAVNHSYDGGNEDYDYIGRGGFLIECGDNQEVLGITKEQAELVKLNCPPFFQKCLHP
GADSNGEDSDSGGSMKEAKSRIHKPDWSLAIVRHFIEILTKGKTTLNLELVDGVL
TAGDQSLADLRLSSLVNYIDPCSKENEFMRLVDPSSFFRFYFQAVVTSQWLALLDRGILL
YREETNFVVQLYKDRAFDRDQSVSRNLDNQRSDFLVHAQRPIEAMFEIQKCLSASGERN
RSARCIDNVTAEAFSIYFETTESIPKEHHQLIDRLAGGEAYIRTCADAAEYQTEGYTVKA
SLDVLRAIEPISEESVIHCSIRVDNPTDPTLGRFINACQKVNDYPGTLGIDAPINRYFC
RKSMGDIHIVLRYMNDYSTSSKVSDFRFLSRSSGSQSF
>comp3315_c0_seq1; 593 371 1780 LEN=2063; translated
MKPSNQALRQFFSLGSLAIASASMPPTDAADADGRANDNANANANARAHVSEQLRLQDPI
HGVEVVGANANAHSIADDANQEHKYSNKTTDDNTLNDTSKIILDSGYDDSSPNELTNAK
IVHKNIHKTEKTPKRCLPDLGLLACGPGESCVCVSGTNDTQQGGDDWHCLPAPAVHGG
RSLQGRGAMTPSRFNTLPTTRDNQEIYTHCAANFVLDENSSPPTDPAAYDVCICKGYDF
QLPD AEYAGYGYCDDSI VSNYCQKYFGSEDAVDVMKYDVCLCTLS PDGQHAGKEPN
FCETVHVL YCAALQADATGSILNCECSL FNVNCPAPTASPTPEVTSSTTSLSTGAPI
IGGSMAPTMVD TTETT VTTTEIISKIPTAVPVPVTAAPVVPVTAAPVVPVAPVVASA
PTPDDEVY TASNVR VPTVTLTPPKEPGHSPATSASSSSFRAGCLLVR SATAVAVLAVG
SLFLP >comp3316_c0_seq1; 102 468 770 LEN=897; translated
MIMRKFHNSMAVGGFFMGGV VAMSQMFFFLMLIYIGY LK DQRNDGLPVVTETVMAFF
CLLQ CVLLGTFAAILGAHRSEI ILESQDEHAPGQDSFGATPYTRS
>comp3316_c0_seq2; 102 653 955 LEN=1082; translated
MIMRKFHNSMAVGGFFMGGV VAMSQMFFFLMLIYIGY LK DQRNDGLPVVTETVMAFF
CLLQ CVLLGTFAAILGAHRSEI ILESQDEHAPGQDSFGATPYTRS
>comp3317_c0_seq1; 242 195 1274 LEN=1730; translated
MFGKLGKQFAAQVADKVEELALDALNERNPGGRGQTQSAKTTEKLHKISGNRKALFI
GIN YIGQKGE LRG CINDVKNIKKFFREHYELDDVMVLTDDKRAEPETCFTPTRKNIL
SAFRWL VKGAKPGDSL LLLHYAGHGKVKNL DGT EASGYDQTLIPVDFQSAGNIID
DDVHVDL CRKL PKGVRLTAIFDCCHSESIMDLPYVYNVNGNLDI IENDKNQAVAT
LVAAGTRFLLDGNKKA IGSVLKREITNLVQAGGRGGDSSARARAAEENETSADVIM
FSGCKDDQTSADAVIKGKA SGAMSYALVHTLKKYHLKRGE LTYTQLLQDMRTILEG
KYTQVPQLSAGRKLVLNQPFAI >comp3317_c0_seq2; 299 195 1694
LEN=2150; translated MFGKLGKQFAAQVADKVEELALDALNERNPGGRGQTQSA
KTTEKLHKISGNRKALFIGIN YIGQKGE LGE C FV L VASERLLFRWNGWIVPDC
DNFDLSMNWLIHLSPCPGSHLDAMRLD ATQGMHVEGTTGFRGFVPGT SVHIHCST
PLAKRFKSFSCRSEIDSVHLLIAIASDSHPTV IAMDSL PFASTQNNP SQPVPFCV
QMPRSVAASTTXKNIKKFFREHYELDDVMVLTDDKRA EPETCFTPTRKNILSAFRWL
VKGAKPGDSL LLLHYAGHGKVKNL DGT EASGYDQTLIPVD FQSAGNIIDDDVH
VDL CRKL PKGVRLTAIFDCCHSESIMDLPYVYNVNGNLDI IENDKNQ AVATLVA
AGTRFLLDGNKKA IGSVLKREITNLVQAGGRGGDSSARARAAEENETSADVI M
FSGCKDDQTSADAVIKGKASGAMSYALVHTLKKYHLKRGE LTYTQLLQDMRTILEG
KYT QVPQLSAGRKLVLNQPFAI >comp3319_c0_seq1; 266 194 994
LEN=1219; translated MALHLYDQCDNREGRNPSDWYPH SIDRRSSLVSPTSTL
TTSFR TATSERERE P SSSRIPA TATATKTNEHRFGSVSPTPSSCCSTLSSHSSSI
ATRSETLSH SYGSEEFAMFNLTNRRS SPKGKAYRHYFARHRDERSESSTDP
RPHAVPRPDGTGFDLEIPPKHLTNAGGSDYNDV HPGKRRMKKQRKTKTAAGTI
GGMVGGVALGPIGVLVGALWGGVTAREVARKGEKRAQRREHQKSFRRSAFRKGT
HWEESEVAVYV >comp3320_c0_seq1; 497 1 955 LEN=1076; translated
XNNSNNNSFKAGLNANSKKKLYPSIDEKLMGNAANANNASANQHQQQLKSQPKQEH
GLS TAE T P MANN TSAAKNAKNESSDRFDPVYVSKGSDMEKDTFAPGSVDDQ
SIGQTVASSTY GDDR I KVVNKLLDPYGDKGT YTG VVLRNTGMPHGLGRMIY
EEDRRVFE GDWRHGRWHGY GRASFNGDSYEGEYKFDQRHGTGVYRWNDGRIYD
GQFSEDKRHGKGVFTWPDGAIYDGD FVNGQRQGHGKYTFADGGQYEGSWK
DGRYDGFGTCTWEDGRRYRGEWRNGMAHGRGTETY PNGNVRHEGEWIDDEPIR
>comp3321_c0_seq1; 239 118 672 LEN=867; translated
MAFILQEALRWPASSFFTEAYKVG DYVDASLSTRSALTIDLLMANQPLFGVPRTV
HLPRL

PERFSLSFEEGFHSLPYVEGQTLQVLVTFVYSKSGDGR IHSVASKAIRLPKNQAFDKKE
DIQVVFWDWIEEASLDLEAGAAIMFLAVFVASILFLLQLCTMDNGGEHDTRRKGDHIDQY
YKGR

>comp3322_c0_seq1; 605 114 1067 LEN=1401; translated
MEETLIPLNDNSAKAAKSPSRNSFSGDKDISLHEDGEDNTLDYRIHAKHGQNAKTLISLW
HDISLSHIDADTGKQTEYYNFVCEIPKFTRKKYEIATDEEFTPIKQDEKKGKLRREFKKG
IFFNYGCFPQWTWEDPTFVHPDAEGCRGDNDPLDVCEIGARIVKCGGIRPVKILGILMMID
EGEADWKLITIDKDDKWAPFMNDINDVDEQMPGMLDAIREWYRTYKIPDGKPPNTFGLDE
KFMNKAYALEIMAECNHAWKELISGEKVRKMGDNNGHTEEVKKLVRKLSTNSLAALGTNL
DEHDFPDTGDDDDAPAF

>comp3323_c0_seq1; 141 91 408 LEN=1013; translated
MVKVWYEPGGPRTHLNRGGYVESARTPAIITKMSKARPITVILPAIAAISAMCYVPL
MGQKGLPSTLNPEHVAAQRAYMRYHNMNPIFGVSSKRARSADPDH

>comp3324_c0_seq1; 170 212 643 LEN=1823; translated
MATKKLFHYPTPTTVTTAASLEERFDRPNVYGNIKTIAMHHRDNTVDFTSKSTATSNS
ILEEQASVPSLPSRNDNRDDNNVENANANANARSFRKSQAALQKSYQKRREAYRKLPLS
VRTNTGINLKNLHPLAVRNGEFC

>comp3325_c0_seq1; 374 108 1037 LEN=1579; translated
MAYRSFLRLAIFCVASLHLHQYCVTRAEDPLQQQRRRRRQQQQEEEEERHASQHS
DAATAAKTTKFHNRKIKVDLYMPQCPGCRQLITSSNEAFHTPGFSNMADVTFIPYSDG
RIDTGSDDSSTKRIFSHITLESALHFIGIGGADGFETNGTNGLTMHKKHEHQELQFRYIDC
IDHYPYQYSAATVDVECAKAIGLSEATVTRIESCASSQEGHRLAERYVKQVHSITNPRI
TYFPWTMVDNVHDKDTEERIWNLSFEHVCSIYSGPLRSLHCQAPGDMNGTDEDDYVYK
DDEDEDEEL

>comp3326_c0_seq1; 638 1 1880 LEN=2884; translated
XEVQYFVPTVIGTPDSTEATKEVGDHYSTVLSFRSPDSLILYRREQKDDGESHNGEGLG
ASLQAQAFAPCDGAAAAXAASGREPFVPGPQAGVLGGGPSRLPSPSRAGVALCVLFPAL
RKGDPRPAPGGPPRLHLGARGPPFQHGVAAGLEQQGQSKEDGNNDERTDDEKAAAAA
GPRTTDLLVAGDISHDPGKIEEALLLRNHTHEVVFVPGNHEAWLSSDELKAYDEHQT
EGAEKDAGNPCCGETQTQPKPARYSSIEKLEDIERLCRRLGVFTTGDCVCVGGGALESD
GKLLPAEELWILPMDGWYDGSLSFVDPNPSSGNSNGTSSSNHHYDLVSDFGRPWVDFL
RCRWPGLESVGENDENEPPLLRKIPRGLVGHFVKRNQGTIDAFKRATTERESFKRGS
KPPPTKSAFASVLTVSHFLPNRLCLPDWDLSSADFDSDWLDHGGGLSAKFALVAGSD
KLDQQIRSIPLPQYNDENSEDDSDANDPSSSPRIHVFGHSHRPKDFVYGGIRYVHNPL
GKPRERELHMVDPEAAPKLVWEAIPSEGEGEGESEGSFSSKRAPQGCHTASSTTTIIRYWE
EKGGGLEMLRKRMEGSKRRRRKGPKN

>comp3327_c0_seq1; 407 45 872 LEN=1106; translated
MTETETPTTTSTTKTVALLGATGKVGWVLEACLDKGYNVVALARSKGRFDGFLHEHKDT
NLTVVEGDATTVVGVRALLDANAPDVVSTLGSPTSNEILVMKKAEEALVGAHQEIESEG
DFRKIPRIVWMTSTGINKATDQAKSYPLFGAPSRWLFYGFYGFGLQFHLLIPYVIGQELW
DDMGHSEEVIRSCGSESIASRTVLRPGNMWVSEHPAFSEAWRMEGGDASGYAWVGACD
PPPGWITRRAIAAALLELLEDDSKDGAAWSLFQS

>comp3328_c0_seq1; 199 1 1117 LEN=1287; translated
KKKKLKENNALALNGVGNDDGKVKSGIPSLCQALWVYLFHFLRCYCDGLQPQLTSAVL
DENKSSSPLTGFVVDGFDATACTTNRGVLRALFGATFSATSTTLRPSFSWASASAPNSN
APPSPFVYSDSWTGRLEIKTLSEATTDGAYLINRSSGGSVTYQWPMGKWPDPALRIPA
TPVPPAMWLEGSAEERRLRALAAAILRDTARAEGAVGLAAQQCGVDARMVYLSSSGRVGS
DLVLINPRITARSPEPSMRVWTECLVLPSPFRATVLRDDWIDVEYDRSYEYRAPAKSAT
KHDREPSVRSLSATARFFGEQSRCLQHELDHDRGILITDHVGLDELENETMRTIEAEGH
DRRQAIAYARE

>comp3329_c0_seq1; 112 1 293 LEN=934; translated
XDESPSGVPSSLDNPTAAPTPLDCPPDKSDPPSEAPIVPAPCKDNAEGSGRRKGRCEDA
NGLLKEKNATLYTRANLCKGSAESLVGDVVKRQIPGTT

>comp3330_c0_seq1; 761 1 2137 LEN=2232; translated
GREEKPVASASENDAAAPESPGRDENGDTQDTPASDEDVRMDEGSGGGGKEKDPPEAGK
RSRSPTEKSGSNEGSSEPSQTNKRQAILGVPGVKKATCPSVDAGQAPNEKISVASIAAS
SQLSSSMGWNLGALLSFLSLLTNSGNSVVTASSSSGERTRGGASKTSSAALAGSAASGSG
AGNHGSLPSKEQVLQAAIKAVNDAPPFVHLSKTD SAPQLKITDSEVPPAEGTGDRDESGS
ASDSAAAASSSQAQTAGARTSSNSNSNSNSNSNSNSPSPAPAHLTNDR LACKQGEGERGY
RMTRGTHGVAPGSGHYEYVVLEPPTACELVNSLPPNVRLGKKLQREMQEALKAEEEDAE

HEAGAANGGGASDAGTTGSKQAFGAHVRLGWSMRTGDLQAPVGYDKWSYGLRDIQGSKIH
CSRREDNWGGEEFPGDVI GCAISMVSEGPAASQDESSGSAGSGTKSEPQDSQPHPGKGS
ENHIRFFKNGYPMGEFVITK GKREGGVAFVIPDGVYYPALSLYMGATVKVNF GPHF IHPP
RKLPTVLSPKYSRKKQGGSNAPVSSLSKPPLTVEEASAKVAKEQKTLFFRKADNSAQQ
RRFSELVETEVENILQEAYKNHRRKHVLDVMRERQKRNLK CDDLEQDDFFVSE DGSAGGVV
DSAAEGGSVSSWATPTTPGMGFVAAQKTKGCGEDVLGGGARMRMRMVRFH
>comp3331_c0_seq1; 236 310 627 LEN=1038; translated
MTAIVVQLPGCEKSYSDAAKAKRMALSATSSGSDGAASTTASEGGRSDCDPPPQEGVAGR
RRKRDEHHTAAIAAQEWREEEEARNNSSGGQSPLQGARASLPPPL
>comp3331_c0_seq2; 692 1 1241 LEN=1652; translated
XDDDDDDANQRKDRGKQHSNTDQHHGTNSNTGSSSSAMAGAAMKAASDHVSAIEDEGD
SGTTS CVVLITPEAIVCANAGDSRAVFARRPPEPVVQKTTEGEGNHDNNPSAVSILGKAI
PLSFDHKPDDEEEERRVRNAGGYVANGRVEGDLAVSRGLGDFRFKQMAVVLNNTQLY PGD
DEEDGRFSSSQNNPGKHKDTVMGKTDDDDDEGHDRGVCRSSSSGAPPPLIFPPGDQKVSP
IPDVT VHARNAERDEYVVVACDGIWDVLSNQQCIAELDAIMYDEGESDLGLVSEEILDTC
LRYGSKDNMTAIVVQLPGCEKSYSDAAKAKRMALSATSSGSDGAASTTASEGGRSDCDPP
PQEGVAGRRRKRDEHHTAAIAAQEWREEEEARNNSSGGQSPLQGARASLPPPL
>comp3332_c0_seq1; 822 70 2271 LEN=2429; translated
MAQP ISSPVSPVFLPLQILLIGIDLLISLLTFGWINVLTTLTKPKPLRTVPVADDFSHRV
LPENKGNLTTVPNSGATTL YECFNTTLESHGSSLCMRSRKFKGWKS KKVKEFSTEITELT
YSQVGEKAYKFGAALAAATGCVASDPEASLEKVTKPCR IAFENTCAEWMIAALGAFS QSV
GVATVYATL GIDSVAEAVVDNSISAIVCNKTNVAYLVNNAKNMPC LKTI IYTNDLVGETM
EVDMP TDTPAGLTVIAFDDFVETGDT SKYPVVP PAPERAAVIMYTS GSTGKPKGVVVKHS
SIVAGVAAGESLINLDENVKYLGYLPLAHIFELMYEFCLLSSGASISYADPKSLTATGAY
PTGALETFAPTHMVAVPKIWDTIKKAIVAKVALSSPVAQALVNTALMWRAF AITIGLDTP
LFNVLVFKFKFKFVGGNIQHALLSGGGPLNGDVQTFINVAFGFPLVQGYGLTETCAGLTIQ
HIDDMRTGIAGTPIPCVEVRLDSTPDICDKAGVAYLKTDRKDV DGNVWGRGEIMVKGN
VTTGYMMPEKTNEVYIDGFATGDIGQFMEDGSIRIVDRKKNLVKLSGEYVALEKMEM
VYGNSEFVDAVTGGICCYGDGMDRCVALFQIAKPASMQWAQKTGLVGPTEQEGDWEKVK
NSKELYNHVMCEFKKEHASSDL SHIEKLIAMLDSPWTPENGCLTAANKLQRRKVIEDF
ATEFEEVKKKGIF
>comp3334_c0_seq1; 232 268 614 LEN=614; translated
MNDGGMLPLPSQPPNHPGASIPHQNQAVYGYALEQQPQQRAQQYSQQTQQPRQVLQQN
HQVQQTILGSEGVMMREQQQITQGAPLANSPNPNANLNGAIANPGHFQQQQQQX
>comp3335_c0_seq1; 173 851 1012 LEN=1274; translated
MNVNTVTKRKEVNAFRASKKRSATS AKFDAHGVITVLF AIDVFCNSIITVCG
>comp3336_c0_seq1; 214 310 546 LEN=878; translated
MAHATMDF SAYFSPSKSLRL LAVIGRVFAISADYVIDHTIRPEEMVIQLILMSIAIKEL
VIDKELVETPANSKHIE
>comp3337_c0_seq1; 436 591 2375 LEN=2611; translated
MSLSTHTDDALGTEGSTQRFHGI VERDKKKVPVASATDLAIKILLVPVMMVLVLP LTI F
YQVGKSVLNGIGDKQEP EQAAAAAAQSMKATTASGNEPEDTSQSLPTDFVPRPDRSYDV
VVLGATGFTGGLAVRHLADTYGVGKTVKWAVAGRSASKLDAVLES LADDPVKNFDASDA
ERVDRIVCDTSDLASLSAMVRNTRSVATTAGPFSLYGGPLVERCARYGTHYADITGETSF
VKKMKAEHQDMAIATGARILSLCGNDCVPWDL SYNILADEFAERCTNNNRNPNVNDNETM
VRIEFGNFSSSASGGTLKTMCLGISGKLADPSELDPAASTLLRRSFGSSTEHTSPMENN
ISFGIKTGVS KPWEMVVAEEDDRRGVTA AATDGTGDKGSKLVEAPFVM SGVNYESV GWS
HALRRDKKCSYKEQLLPDFITALDGVLG LLLFFTS LMNPITGR LLEDYLVTPGDGPAM
EQMNNDFFLALTGTAYGSKGSVYQSLLYYDKDPGYLETARMVVECALCLALEEEAVSENI
AGATLLAKNVD AKPLPEVVGGFFTPGFALRKILLRRLVDTGCHYEFRVLNDASK
>comp3338_c0_seq1; 208 1 862 LEN=1271; translated
XSNHAI GYGDNDFTADYNRSRFRSAAKYARAVLALASAFVLDLTSAGNTTLVSVAA RVSL
TLFAYAVVYTSASRMLLMAIAYLMNHGWYLLAASCALILLGCGILLAVCEWMWRWQDRA
LSVLDRN NIGYDRLRSVNVLDDEMEDGPSLRRAWVRRIGSAVFACLVWVSLFCALSANADA
WIADAYKGARPSAPSIELRLVGCLEGLFLLAGAALLLYVACPSFYRLHLHL SRPGALGTA
AVPLAHD ERGLFGGGLD FDFDDNDNYTITVREDEVTVGRGIQNLIL
>comp3339_c0_seq1; 338 554 1878 LEN=2199; translated
MAPLASASPKKGDGANGANGNKKTRHSPSVASKKEFGEKISIHKPDFQSMEKSSIRRVTL
AIAGDNESDAEHEHDNSRRKQGHFPPSMLIPVLP SHVPTPQTIGTND EPWAKYKVEDAFH
HIQTI FSRGGNSEGN TSDGGNANGSNTI SHDGP IKYAPSPITPPQSPVSRKATVTLDLT

PTATTTTRWGADFWNSHKKKNTNSPTSTMTNSLDVSPSSDKHKSNSAGGNEGNTTTND
NSSNYKNHPNKESIPAENNKIFDQETDDNHFDWAKQDAFLREVMARKRGRPPSCSNGNK
QQPPARSEEGVATNTALSQPSKRPHSPPGSNTVGTIGGSRXEKDRGLNENEGGQFEAAA
VIGSALFQPPAATDPPAAPVDARKRSQSTRSLPKKLVRLIEATESNRVRFEESSSQRPGR
FRFREICARGSDLDPRDCDNR

>comp3340_c0_seq1; 489 203 1069 LEN=1457; translated
MTDFAPIVPVGNLDIGSRKARRQRNADPMAPSAAMLMGAPAQFDVPNVSNPAYYCRNN
FASVCGTGDENQDVKFMKGTTLAFKFQGGVIVSVDSRSTMGAYISSGTVKKVIEINPFL
LGTMAGGAADCSFWERNLGMCRLYQLRNGRRISVASASKLLANVMRSYRGGYGLSMGTMI
AGWDEKGPQLYYVDDDGTRLKGMFVSGSGSTYAYGVLDNYREDLTVEEAIDLKRAIY
HAAHRDAASGGINNLHYMTKDGFKIHSIDVNDMHYEFEEERANAMSS

>comp3343_c0_seq1; 279 207 806 LEN=914; translated
MTIFDDVADVLEDALSKCTDEPEEKPKIKPEFIKHFPTSAMTNGIEQFYVRLCATISGCM
YNKLSNISQFNNLDQGYNLSDVGLTEPPKVLVLDNHGMFEVTNPPFSVTVAGKKMILAWR
GSTTAMDWRDFGFYVASSFRWKNVADVVSQVQAYLALVESCMSKHQDFIIEKIKEHGVT
EIMLTGHSLAGKFNHTPPFA

>comp3343_c0_seq2; 420 207 1481 LEN=1680; translated
MTIFDDVADVLEDALSKCTDEPEEKPKIKPEFIKHFPTSAMTNGIEQFYVRLCATISGCM
YNKLSNISQFNNLDQGYNLSDVGLTEPPKVLVLDNHGMFEVTNPPFSVTVAGKKMILAWR
GSTTAMDWRDFGFYVASSFRWKNVADVVSQVQAYLALVESCMSKHQDFIIEKIKEHGVT
EIMLTGHSLAGGVAQVAHLWFSGTMDPAIYPEPNPWRELKDEVGLTVRTMSFEGPMTTVF
IKSGDETLNKKGIDFINKCSANMCTCYHMDAVPRMYGYNDFGLKVLENFKDDIGNSDGW
IEGSIIEKIVEYLWHKFKASSIKKSIIEQSLKDEVNAASQFQHLGHVLYYESQEAEPKVICI
DDPNGILTSTSDGKTSTLPQFRDIKYEYVNVKGVLEQEMYDHYIIFGPGLTLNWPYFEHK
LIIH

>comp3344_c0_seq1; 318 174 1730 LEN=1780; translated
MPEPDNVEPSVASTPLFRAMAMPNRGPQLMMPTEIATAKYVATPQNFSDEIMPRLPEQK
QERKKQPSELNQQQKQKQFVLDTESQTYYGWNMSQIQVQKFPMYFPRDMIQWFFPTRDL
PVVLERITKELRESSIQASLIHEPLSAKLQTCQENAEIYLVFFTRNDTVFMSLQRHKGD
HMVANRWIRHLVDAAGVLSGNDSAGTKPVTASDVLALELIERCAAERAVASINNQDLS
PEKHHQHPFLSQTAEQMTESAVRDVHACLSPRRLLDLRRLALEHLLAMTDLKRTLRTTAI
ATSLIVLQGLPSSSFEMNSQARTIQSILLNVLVLTRELPGDRAMLAEEARVDKKNISSTS
DDMDLEMRPYFPEVDEDVTAADVLDLPQYYSEFMNELFNALRILVQSLEVAACFPESFSS
TGSNMATQLLTVTSQDVGGKDLYHTLLVCVGHAEKLANGYLACKALRLLASDHPGIKQD
IKLDDNAKQSIGNAYQVGMHRHTLLKEESYHLWHSVSQ

>comp3345_c0_seq1; 296 460 1107 LEN=1823; translated
MIMNSVMFVFDVTEAKVNNPFVSGIMSGFATAIISTPTDYIKIQMLSSGQRRSTMISI
LEQEKVNGQYTNVNVKVRKLYRGTLLNLAREGIFTMVYLGIIYHWVITNAKNNSEEFDEL
KSFNRVLIVAGTSAITGAMAWVASYPFDVAKTMIQSGNTFEQVRELWRRHAVNGRLRGIS
AFYKGLPSTGRAMLVTSRMIAYDLVIRCFAKTT

>comp3346_c0_seq1; 274 234 1439 LEN=1537; translated
MRTLVLHAHHRRENLPRLSSGLALFPSLLLVLTLVLSFSEANPWSASSSLERTTRPTSHSQ
TPPQRRLLWRRSLPLTLHVINLDRDTERWETVVTTELVAKGVPKRIRRVSAVSGRDLSPGD
LRANTTRVARTVCTPGTIGCFLSHRKVWQETEDGPEPYRVVLEDDVVVAPGFLEKVRTV
REIDEACEETRDNWDVVFLGALGCVHPEGRHGLNRIAAFFAGGGRVPRRTLEGAPHCHV
PRRPLGAHAFVLSKRGAGKLLKGCSTRASGHVDVVAWGMPDLGVVSVHPMLAHQNNNTGSPS
TIGAVTGGIETRIPLNVVDPYTGVLVLEWIYNAPVLSLGPVLLTMGRSVLFLVGGYLASAL
LYNKCPWLIVLHSIVVAILVALTKATTLRHGRGDETSGVEA

>comp3348_c0_seq1; 331 1 1004 LEN=1004; translated
GFGIGPSISVAIAMSAPPEEREATPLHIKTVRNYDTSPNDTNRHHDCGHYEILQKLITSS
PAGGYETESAIEESCLEQFVGRDGLVLRVVRVSGPSCPQIVHASYMLPQDSSYAPPF
PDGTAATTDGVSRLSLCWTAFDPDRPDRPLLCLVANPTLLCIWDVYPSNPETEKEEQSQA
NPSQTEDLEGGEGQNIPLPFEACVIYGVNGEHGLLLQRCESTEDI IAYHNYQQSINIAD
SMNDLEDQNNDDDGFIKAPPRPKRLRSTGGGSTAMASLNVSTASTPTMMGGVGEAAP
NASLSSPLMIPSLFSLHHPQGDILPVSTSTAAAAA

>comp3349_c0_seq1; 483 51 1406 LEN=1582; translated
MASSDTEFNHTHEMHPGSEPQSCSGSSGLNINDFIKTHYGAISSGSSNGETAQEDTVTLS
LLAANAKDHARALGVACSETASLNSGYFSENDSNSGDRNKQQWTLRRLALELSLWLVNFI
TLTKAVAYFQTLSSVLAALLDSVLDVVSQMVLYTEKHSSLQRSSALYPAGASRLEPIG
VLTCASLMGMASFVLEKESFETLYTKDSSLQDLDWTEGVRSAAASMGAIIVLKLKLLWLCN

YSSRTSCRNRQGGGAATSKSLRYSDPTLEAVAQDHWNDALSNGVSAVCLLLALYTSDLWW
CDGVGAILISFYIIYSWYETGKEQIEHLTGKSAPDDFLEELTTLAQHFDRLLVDTTCRAY
HFGPKFLVELEVMPMDTPLKESHDLGMELQYEIEARGEVERCFVHIDYESREYDEHVVS
KVPELREHLLRHRSSRNARGTALQTSASSV
>comp3351_c0_seq1; 89 1 236 LEN=236; translated
XKFRWILKYDTERVMLLNTIFIFSLVIAVVQSFSSNNSELCRNNRTESKLHETMSSLDLK
YKQDGEEAKEIAKYLDKRSX
>comp3351_c0_seq2; 283 1 817 LEN=993; translated
XKFRWILKYDTERVMLLNTIFIFSLVIAVVQSFSSNNSELCRNNRTESKLHETMSSLDLK
YKQDGEEAKEIAKYLPYFPFKGIDRFYDYGFLYEPEVFQKIVDIFVERYQAIGIDSVAG
LDARGFILGPPIALALKKPFIMMRKKGKMPNTIESEEYKTEYGNRSGLTVQKGIKKGDR
VLVIDDLVATGGTLSSAISLVKQCEGIVVECACVVELKMFIDPPEESGLPSRTKSFQKLG
HQDVPVWGLVSEDLLLNEAELPDGYVDDGEEH
>comp3354_c0_seq1; 238 405 1021 LEN=1021; translated
MQTPQAPPPQMAPAPQAAPQQPMPMPAAPVAAPIPMQHTQYAPQQQNNVQGTTFQFPQQQQQ
QRYVGAPGTQVGAMPQQQQPVTQQVAAPVAQPQRQQTQIYPHQGLNGGWQSDQDYNER
KMIKIVHLLKLRKPNAPPDWLKKLPQMAKRLEESLYRSAKSFEEYNDASTLKQRLQQLA
HNIGMTRKIQQAQMQARAQQQQQQX
>comp3354_c0_seq2; 238 482 1098 LEN=1098; translated
MQTPQAPPPQMAPAPQAAPQQPMPMPAAPVAAPIPMQHTQYAPQQQNNVQGTTFQFPQQQQQ
QRYVGAPGTQVGAMPQQQQPVTQQVAAPVAQPQRQQTQIYPHQGLNGGWQSDQDYNER
KMIKIVHLLKLRKPNAPPDWLKKLPQMAKRLEESLYRSAKSFEEYNDASTLKQRLQQLA
HNIGMTRKIQQAQMQARAQQQQQQX
>comp3355_c0_seq1; 126 199 843 LEN=1067; translated
MCRFIHANKGTNHSLSLISLILVLSAMLFTVVPVRGDEATLVAPVPGNGTLLSINASEVP
SAAPTISYCKGICGEGGNSEGYLVDPDFATEYQWNLRVPCSGASCEKATCAELSMRLR
TKDLSDFECKERKHQVELQRTALCTCTDPSEDDDFGMGNDDYWDNRTRAFKPAARYTLLGV
MSALFIACWVGLYIGIQHDDAEKEANGDNDEDVE
>comp3356_c0_seq1; 469 1 1731 LEN=2038; translated
APSAAPSATPSAAPSATPSATPSAVPSMRPSLNPTESPSVSPTDTPSFSPTDSPSAFSD
SPSVSPSESPSASPSDRPSVSPSDSPSASPSPSPSGSPSDSPSISVAPSSSVQPSNAPSI
SANPSSSPSSPSDAPSSSPSASPSEPSAKPSASPSDSVEPSSEPSSEPSTNPSMHPSE
SPSISTRPSAIPTASPTSSPSSGPTMSSVPSAPPTMIPSSYPSSQPTHKPSKRPSKYPTM
RPTPDPTPNPTPQPTPRPTPNPTPDPTPQPTPRPSLRPSADPTPQPSHSSDQPSQQPSMK
PSRNP TGKPSVSPTPEPTPRPSLRPSRDPSSSPTPNPTPEPTPHPTPRPEKPPSSAPSS
PSIKATTDNAATPEPTNTKKNKYNGVWYEHDTWYAGQSQTCKCHDGGWIGCFLNSDTRD
PTETPTQASANPTSAPTPPSKMPVSQLATTSSPTGNTTEAPTATTVAPSPIPTLASQSPSD
RSATDLPSESPITAKTGTPTSSSPTGSPTAATTILTTKGLSYVPSSESPSASPSASPS
TRPSAAKTGTPTSQ LPTVSTAPTSSLEPTSFFIFKN
>comp3358_c0_seq1; 765 117 1709 LEN=1827; translated
MTRLRNLVQSRADRFRRKQEKALHQEENRLIGSKYYDDETQLTGECIRPQVEPDGVEP
DGVSEGDMYLLQAKGTRGTMAETFSSSEENRAFSEYNENERFSRNQKITMYSEQDQYYP
ENNRQYDNPAYEEVENEYETSNGVEVVNLARGSARSGRAGVDEVENSEQPKTIEFVDS
GKVF EIPQQEAGCNDGLLQNVRSLLDDTYNDECSKTLNTNDETLQDPYTSNMEGIDHMNSS
DRFGSLQVQVEDDEREYEEYDQGSAPENIGYEQEHYAHHDNTELYDCDDGQMYDPAQVDS
NVGQPYQLERDGTFFEQMRSVQSRGHLEMEPENWESTAHDIPLNNPTSAYLNRPNVDPAS
PQLEDPIYFSDGNSWEEGFSFATGASRTL SRVDTACDDDDDDVRNDDDARTFDGTFDTEY
YSDDDSYAEKQVDRPFVVRILKKFRDMNVVDEQSDYESGDEGDEEDYEDSKKRSRRRKP
AFDRLGAIGMNLNETIDYAERQDRAPKLEGGTIINSFADLFSCGAPSGY
>comp3360_c0_seq1; 336 1 825 LEN=1055; translated
LTKTKAIKDEAKTTRSRKMVLEAVKVLVYCAKCGMPPEYCEYGPDFERLCEPWLKKYH
HVTLKALRGDTSSDNDEEEEPVPEKPAEPWTTEERLTKFYELYVPEKVSVDVPSLLEKY
KEEKLFIALS KKYGPEPEDPYMSDNEDEDESEDLAKMDNLQVGGKRRRGVKAKKSVKS
ETRVLIQKLRSKRKATTVI VGMETVEGIKLDASKAFSKRFAGSSSVKDGVKGKEIIIQ
GDHMEVVAAMIVDKFKVPGDCVFLDFDGGVVPYQ
>comp3361_c0_seq1; 399 192 1894 LEN=2105; translated
MVGTAANGGGGSRERPFSGT VRF T ASLLVGLLGI AVSLLLWPETPGSGNPDPSGLLAF
RPELYHGEGTTRHFFEGWYHKLVRTRTPCPGGNGPSESKNENESGENNISLAVVPGV
HGGNGKNESHAFVFLVNGEKQHYYRFDLDTFEGFLAPGATGGASGSDIDTPYVRIGNN
TFSNHGVSLLDLPVPRDGDASVSLRGSVRYGPLAPWPIPSARNLGAMGPVGHFLAPFLECH

HDVLSFDHSLEGRLEVSSRDETQGGGSSSTYAEDFYDSECGSGRETGVAVRSRGYVEKDR
GRSFP SLWIWMQTN SFPRHPGTSVFFSVARIPILLPAFLRSLLRGLAEPEFPGF TAAVWL
GGSGETEPRGLVPFATWTGAYFEDLSVEDDRVVAVLDSGGIGGGLAEALWPSESAADAGD
LLVRLGRYSRAWIGSFFVGYDSRALRYRLELEVDRRVPHALLYAPTARRMEQAVREALAA
RIRVRLYEYRTGAGEDALPRLLLDDTGEHAXAGPPPERAVPSGQPVREAHGEEQAGLPVS
EDPHALSHQLDGTMRHAGGAARHSVSA
>comp3362_c0_seq1; 221 72 440 LEN=626; translated
MTKSSQPSGFVGTLLLLLVVVLCSMASVSAFVGAPRCVVSQSSYNSALAMSSDDENDPNDI
IARRIVVEGDVQGGYYRSCVRNEAGRFRRLCGTMTPPDDSGTAEIYVEVCSLMDFTNQPI
AV
>comp3362_c0_seq2; 291 72 539 LEN=1198; translated
MTKSSQPSGFVGTLLLLLVVVLCSMASVSAFVGAPRCVVSQSSYNSALAMSSDDENDPNDI
IARRIVVEGDVQGGYYRSCVRNEAGRFRRLCGTMTPPDDSGTAEIYVEGKRKMVDGFMWR
CKKADVGLSQQIAVSDVTEEDPTGLYDDFYVKVRD
>comp3363_c0_seq1; 110 1 419 LEN=1170; translated
XSEGETQTIRPGRNTADQHILTATYTTQQENGTESH SKRKMAYIGRDGTVGGQEQTIR
QKITDFFAGIIGFVALFFSAITNPPTAIGSNGSNYAQRNNNNPYRVSGGGGRTLGRGGAN
IRVGNLQGAADAKMGGGG
>comp3364_c0_seq1; 153 300 442 LEN=442; translated
MAAVLSSSRSRNSTAWPVIATLAAVAFALAASVVAASRTRDSSSSSX
>comp3365_c0_seq1; 319 32 829 LEN=1353; translated
MVSKLFWKEPNGRSAYVLSWVSTIVTAVFAIAGIVLYIATGSMCLVFLGLENCVDLMSSV
VVLWRFWASGSLTKEREKALKRREL RASMAISFILMILGFGVIATSSYDVAMGPETKHEM
DFVLGMSAFSLLVCGSLALVKFRYASVLESESLYKDGVC SLIGTILAVALLSNTLI IRT
PQIWWLDPCVAMICGFAALF IGVHSVFAWKHRRVPICHLSWWLMSRGAHEPKQGDGDGI
EKSDPDGGGGDGDPSAPTSLSGDVV
>comp3366_c0_seq1; 205 1 1481 LEN=1661; translated
XTNTRTPSRHFCSLPNAPCFFLAKFKTKDFAPVAGLYLLLLIAGAFEP CRSFQTTSCIHG
NIIFKYYLAGKDRHSRGTAKKWNIGSREALSSFLVLSRKEQKHSLSHFSTTNGTNDSS
VGIIEEDCDLFTSRPARLYIGD TDAYGV MYHGNYIRSYERALYELHTQRKRKRQQEDQ
LQLANNDADGHDTNNQKNPAAASLVLD RSDFR LTRCTNHRFKSSPTLGSRYVIRGTLVP
SGGDDDGVS DSQEETWSLEMEEYVPKHANNDCCDGRNPSATIYNTALVTIASASECAEKN
QPHQSL SARVEPFYPSDL DVEKPVKCP SAMYTNRF TIHRDEFDAQGLLPMTTVLDFFERL
RTDVLGGPDELRLNLQENDNLLFVVTSLNDLEVLHVLDDFENESKTRKIVRPGDDLEVRLY
GTPKRKGM L FVCEQELWGNLGGIDYEKKDRSILLAKGICTICTIDSLSGRPTSNIPIERV
RASMETTASLTQS
>comp3367_c0_seq1; 186 488 870 LEN=1031; minus strand; translated
MNEYLTRRFDCAXPTPIIAKTIEEAKRIGDGRSMGYEVFPSSGVDGLFADKGS SKASNCC
CWKSSPSGGVEKIFVLF EKGD AIVEDREAAIACSPAKLLL VNAWVPRMKEHATKIMEYRS
IVVAIVV
>comp3367_c0_seq2; 276 184 672 LEN=833; translated
MLRYSIIFVACSFILGTHAFTS NSFAGLQAI AASRSSTIASPF SKRTKIFSTPPEGEDFQ
QQQLDAFDDPLSANKPSTPEEGNTSYPIDL P SPILLASSMVLAIIGVSGGFDIFADEPRF
PLAVNAVISAGGLAVCLGLFYASILKAQAETEEDDKK YMSGR
>comp3368_c0_seq1; 300 1 412 LEN=412; translated
QQQQQASGAGQALAGINQIPQHIQAQQILQQQAIQAQHKN TADVTNAVTHLHKKSSQ
QLPMQPAQNQQQHQPQQQFVIKDG TIQAAPAPSQQKLLVLP TAAGPISATAKPTILWP
NTANANGGVVQQQQQQX
>comp3369_c0_seq1; 204 247 846 LEN=1404; translated
MVFVSGKGRPPLGNAKIGHVSWDEEHSCFVGTNGFYWHGRKYGGWKEGPPDALVANRKR
APCSRGRPRGNDHVGIEVTVSVEYDCYQTEKNYFWHGTYNGGWKHPNGTDFASEKEES
NDSVSGVGGTKYSSENQKINCEKKQKKGNTKGRRPKARSSGEAIEYDTERLCWKTRDGG
LYWHGTYNGGWKDHAPKKR
>comp3370_c0_seq1; 355 88 1386 LEN=1470; translated
MSDPTIRGKLRVLVITLGGERRRQIEELFDDPVMGEHFERPTFSEGVP SRYIRNRNFYK
VAHDAGLLPEQEWQAILKATEEKTYDHLPTERFFDCLEEEVETKGRHGSQEDIKLHYSVE
LWRKAKAINRARSELACVFAHLIAMKTFVEDGNFDLILEDNIRTDPKSCAHKVLEFMRAT
EEWEEDMSEITKSKCHLRFAGWLSVPNIEWIMQTHIPKRKYSRKKACKDDNDEDERATI
FPLPLLEHLNEDLQTI EESQAKVEPSTNTSTEKDKDEE ESEIGE AQQTQKHTKPGNLLW
GAYAYWISKEGYKS LLETLSVDGAILWKGRMRNYAVKPIDKMLPRRTVSKFGPSAVQI

LSQPAFFRAPMLTSKIHTQWDPGFCESTEFQLQKGLGWSDLWLTDTERRAIVDHHKTSKG
WLTIKELELLQL
>comp3371_c0_seq1; 490 35 1129 LEN=1481; translated
MLSSALNFIRVDSLRSVASQNKIDDRDKINAIHEKGCRSNGEVHPTSVNMHKIEERMDAA
IEIVAMSPQYFSKNRSPDLVPLTADYEQMRKRLRTLIGVLKTYQKCTRQVQEARFEIAQK
LTLLESERSPIQDEIGCELDGEAMERLQQLSQRLPSSPSISSPTASTINGENGLSDSESLP
ISAARVAGDYRKRNGLKFISSLGLYRFSAAEAVVNDLQYQKLVVNFATNWMEIVTHRIDV
GLKRVGKLASDRLHYERKVEALRNRANDAETKGAIPDSATERLSRNEDKCLKHAFVFHET
EASKLCALIEAVTQDGYQELYTLVRNYIEWEITRIGRENDMAIQLDATLSSMNEKVNFS
VIIIE
>comp3372_c0_seq1; 416 1 1111 LEN=1237; translated
XRNQTKATKPKIKTSLSHTIIAHIFAKNTTKKKDKDQANSTADSEAVVNXIMIQCNESS
TGRRTLALLLAQKQRQHSSSLSSSLPLKSRDPLCRLYSSSKACRKKDLPPPLPKTGGSS
KQAKGFPSPAQAKKEYLESQKRTGEFLQDPQANILRLQKEMNETKAKLLTVHDKPIWRRV
VDRFKAKRHSVINLLCASMAYILAHKLHLKMKANQELQEEIDSEHAKNSELRALLRSLTT
EEFLRDVLAEATSAGDDNSPESISNANENSSSSWSSTSSQTTSASQSVSDALVDALR
TKLQARIGDEGLEADRKEKNIQEIWKENEKRIEETEGLAVALAAVAEAGQPGEASATT
SSSKRVFDM
>comp3373_c0_seq1; 395 1 1144 LEN=1292; translated
DWKGLPHRDDSSSTILPYFEEKPELPPSHDSTAHLPEEVYIPPIRNKAIVFIIFSASIQ
TCSSIANSPINNIMSKTEANSSFSKSSWDGSDKDGFAASLDHPGYSMECNADFTGGWHVHR
KVWEEQEGDKEDKPSDWIKEILDDITKYDYESMDIGRPPRILVLYGSLRPTSFSRKCAYE
FARLLDLLGCDVRVYNPKGLPVRDPALEDDPKVVELRALTHWSDGHMWVSPEMHGTITGV
FKNQIDWIPLNTGVRPTQGKTCCVAQVNGGSQSFNAVNALRLLARWMRMPCCNTQSSIA
KAWQEFDDNGRMKDSFRERVVDAEEFAKFTAVMAPVKDSLTDRYAERKEKAAGRLLT
QEEKELEKKKTKMVEESRKG
>comp3373_c0_seq2; 211 146 421 LEN=569; translated
MPCCTNQSSIAKAWQEFDDNGRMKDSFRERVVDAEEFAKFTAVMAPVKDSLTDRYAER
KEKAAGRLLTQEEKELEKKKTKMVEESRKG
>comp3374_c0_seq1; 465 1 1940 LEN=1992; translated
XSIPICSLHSTVVRKEAPDMASKVSIQLQSRQGRKVISLASTASTKEFYESASKEFGAPV
ESIKGGFPPIPSDGSTPISNFVSNQERVQVEFAQNVKICNTNGSNKKNSHIQSKPVS
DQSSPSSSSGTRRSKRAASKVATESMPAMIKAQEEYLKNSAPIGKKRGRSNKNFNTTSGV
FPSGKNVKQRPHKTKSTKLSASAGDGRRLVDGATVANPRRAGRQADMRRRRGELGKGEHS
TDMSTALMGALHDKGMGVIILRKGKMNVLSSYETTRSFRLAAIQARSYQMTNFSGERN
LSGSGGDLKVIYRGSVNKTKEEIVDRIIPRDVLAQVLEGIHASNKEALRPENLSRLSP
RVLWSCVKLFPPELSNVPDMYRQLLPDLNWSFLRRRAEQLESEKALENKRQAMDEDEGIDFE
RASNVAAVEHAMEHLQDHHAEERKARQAQAAEARLRQQGQKSGQNDGGNDKSWTLTTP
PEPDRDELRECIETSIPEINSNTRGNI SNWISRLMKDCGIHNWRELANASDEKIGILVTK
LEVPRPNLQSWIDKAQNESVSEIMVEICDDNIQAVEILTERARSGTPKDLAGWKSIPDIL
LEQLRKKCVDHGYKWMELGTISMWCDRAHDALQDYEWLNWYATPVE
>comp3375_c0_seq1; 168 66 353 LEN=989; translated
MPLPMSRTAPFAIFGCILSAYALYVEHKVAHLSPDGEEFTALCDIEQIGASCSNVFQLPE
GRMLSIFYGIVPEGSILDVDPNAALGMYRSFCLMHKI
>comp3375_c0_seq2; 235 66 572 LEN=865; translated
MPLPMSRTAPFAIFGCILSAYALYVEHKVAHLSPDGEEFTALCDIEQIGASCSNVFQLPE
GRMLSIFYGIVPEGSILDVDPNAALGLVYYSYLLIGPLLPASSTVFVSSIAMASSVFLAIK
LVILKELCILCWSTHVINSRLFWSVVAQTISGGSATSTKKKEKVIKRV
>comp3376_c0_seq1; 685 256 2115 LEN=2115; translated
MARTASVPIGKSSNDGKYSVEILNKKIKKVEKMIANSPPGSKECTKLQKKLVEYRAEL
RNQTRIDIEKANAETTSRSTEVEVEESSEVQEESTNNSVANSVPTMAKEGTDQRMKEKS
VKQDEDKGHSLELLNKKLRKVEKMLLACTPGSKEHQKQKRTYERQIENQKHETTRTS
IGSDKESKQLNKKNEECQNKVEQESQASWRNELREEAKILREKALEKKRERESVESAAR
AEEELRREEAEKEERQKHADNEADILRKAFFREEAAKLMRKKALEKKQKEKEARELAERT
KEELKQKEATNQKARSHEGAVNQGDSKVTEIGKSNGTISEANIFLHYANDEKTRKQAF
EEARKLKQAAAEKKRKEEETNRKEDTKSDTEKQSIDANDRNHESEEWNPQERIYNIDEKK
RRQAFLEEAQRLKQETMGSKRKENDVTNIYGTSPAESKQDHEACNEDYTRNSERETEKS
PSNYSDHDHKKLGPVETQSNVNENEKRAETVPPSSSVFNVSKPKLTFLEIRLSANKDE
DDSDTHKPDFLDEVQLEANKKETCTPGPNTTVHRTKRNFLDEIRSKVEKIEDGAPAPDLE
CSHRSKPNFLNDIEPKAGKT

>comp3378_c0_seq1; 238 1 674 LEN=806; translated
XENENENGAPQHQHENEHQHEHQHEHEHPQOPEPPEHQLGHQAQQHRSHQQQQDVAQADA
TNNDLDASDELSDGEDGNGSPGKSPQVPPTTAAVTTVGD SWKDWAPDPTSSLPRTFVGV
LRIMDDPGVLGIPQRYGLLRSGNDDPSARRSRYSFEHELFFHHRHG NRKGIKTRTYLR
KLKKRGPRLSWHQSRRSWSPAERQNLKHFVEVLIEIAMAHFMA
>comp3379_c0_seq1; 349 748 1794 LEN=1897; translated
MNERPICFLLASWMSWVIIGYCDQVFFTLKQQCIETSVPLNVHFCMHRYGEWFMLMFGES
IMSLLIVEGDNEFSNHSVKFYCGVLSVIFLAHLHFQSEPHHNSDHAVTRSRHSNYLYTVL
VPIYSMALIATGICYKMFYDYQKGNRRALGDSNQEAGYGDTEYQYIEKKQQFTADLFS
GSIATVLICTDLNALLHHGTQSILCQLKTIPKTRLALLTISKYSLVFFLATMSAFQNDPH
FMAFGLGAILFQEYLHRSFKSWQQYPETIHNADDSSTSDGTLR TCFTGYSADEDYQYE
IESFADAKMALAKFERRLIVETKPTARSRKKDTEKICEKVL PQTYYAC
>comp3380_c0_seq1; 202 181 390 LEN=390; translated
MTVNPTKSKLLLSAAAVAVALSVSPSPSSLLPCAFAFSPSLFRVAPSHNIASF AASSTEL
AMAKKKKKKK
>comp3381_c0_seq1; 737 136 1887 LEN=2298; translated
MGPRPEERAHQPNAIEEDVLETDTDANGREINIINDAIAVGNHRTTGD PETTDSTEAWA
RAEGYTPLSDLNTDGGFDGADSYQMFSTGPGAADSNDSNSDGDSDNSNSNGDDQIQGGS
TGTFADASATGGSGGAGQDDFEQVAAGALSAL EEEYKQTLALSQGGVSEAREKDEDLRI
IGAGFDQRNEELQQIRRQGGFVVHQEWEGPEKKTTPAGIDASGKGTNARSERPGRPQTS
NVDTDAVRKAIQSLSTKNRNASFQKQFATWQQQQQTNKNTDHSVLI PKASRHEFYRPK
PTPASRRATANLRSATLAEAMVRLSLLAALPDDCLLIDVGVGDHVECQNASTIRDTFRP
FVRWVRDYLF FERQRRI IHFRLIGRELMTTTEGVV DLMESAASSISATATCHSGVYHE
FLDERLKLAREEGDQKPSDGLLLGTKIAPDLAVAFNAGI WGYQEWATTIQYLASFPTASL
STAEATAAIADDERTRKIGGIPIVITAYTLDECQEDQEVISEAIASMRTEEANEGTGYKT
TAPFNPCRAEILWESERNPFSGVQVTRKSTQEYRENSCWQAW
>comp3382_c0_seq1; 141 206 421 LEN=421; translated
MMHPSTKTL LLVIVAVALATTEAKNFRGATSVEEGDMTRRLSAKSMSMKEKSMKEKSMK
SMKDKSMKSGGK
>comp3383_c0_seq1; 325 469 1584 LEN=2140; translated
MVSSQALLDFAVITIFARETLEGGIIIEGYRTVIMRSNWENSAITQQVALRAVSVSALLA
ALVAIIVCAAIAIPLAILSLDFEPSTAKIIIEGVSKIVAAICLLQLSLKMPKFFGLYYSKA
QLKKIKNNEPLDETMSDQGMSLRSIRFNVAWNIWREVAECGVFLIPSFLTGEGILAIPLS
AVVGVLVGGIICVSIYANHYFKSTKALTIFTVGLFLLLSTGLFTGGCTNF EKVYGKTKT
VYELHGDFWSIDRLPMTIFKPF GYS DTRTVLQVCCFWIWMFSLALHYFKYKMCMP SSE
LSDEAAAARSADIEN TIEEIKEDGANENLSIHEDTREP SDSGCSGECPN DIEGSKKDEIN
LKGKEFEICEA
>comp3384_c0_seq1; 606 1 1146 LEN=1204; translated
IRFLGSKGNQQSIHPSTAMSSARNANKSIVFWGAGAAVVVAATAYVLF SRNSSSGSSAEG
SDDTKPENL KSETTVTKPSKVTK EAVASDAVEEPAGKEKSPPTQAETKLT DATDEQAKE
HEEPPPETATDTETTAVVDDVEEETKQE QPPLNSPAEEVVVFDEAKENAREEEPPPTPTP
TAADTEPVADSVKGETEKEDLPSEAPAREVEIGDFELEALANTITTRRNKASAKTKEE
PPPTPDNATQEETPSDQESNETAIPSTVTRNKNRRKKNKKKKWNTNTTPLTEPDRTPAE
TTGDENNSKNSNNGAVTAATNGAKDNMEPGGIDTAAAAA IAARRAKDKKRNRRKAAAQ
SAATREIKEFKTQNGNSGKN
>comp3385_c0_seq1; 438 91 960 LEN=1052; translated
MTKRTRSRAIGSVCAAATGFLLSACSGPSPSHAFSVVAPSTATTKASSRRWSPPLGMAD
SSNAAAGDDDADEASPEAPAGSFFHPVAPSGEEAPAPAGGATAPPGEKAPAPAGGDDFD
DAVSKLMQQRKPLASEPSTIKGVPTKGFQKQ P AGGKKRAAKPISPYVAIGTPDQPVND
PSKPERDDQGYTLYTDTKTGEKSRVFEALVDYPSVFTMKIVGANEGTFVSDMVALVAEAC
DTEPLGIQHTTKVMGKWVSVTVKAPVENAEMLYTLYEKVDLDPRVKFKF
>comp3386_c0_seq1; 550 388 1959 LEN=1959; translated
MMHQRRTVGLDPPSVSSSAASSGTTAANRNSDGT RRRRVRRTVRSRQHRWWKGVRRILS
DEDALVTLVQIASVIVIIGCMLMLALFFFGPGEIVVGDDDASGIGWTNSILANMNRWIFR
REIRYRLHRDHENTLHTNKKGDDLPLK PSTIYTI PGSMPHIGDKSDYYAQLRKEYDAMD
LPRVEQRYKFKTMPMRVNDGD FEEPEHL P APYDIHNCPEHPPENYPYAWNLLQILDHWN
PDDHEVPEDLRIYQICVFDY EKDYQKALNYRKQEVFPFVSN DPAVQETAKRWMAPGYMD
RLMSNVKHRTEYSETNHFM YW NAGS QVRRKQHVGMRRGNNQFMGDGHPDGRGVDKDLAHW
QQPTQMMRMTYAEWLTHANL TEGETV GPHDPHWYR LIGCGEQSPDGKCDKGSSEYLFDE
LPFFQPKENLYIVDPMEQKGIHCRFGMRGVIAENHFDQSRNAIAVMGGERRYILSHPNQC

GVLSLLPKGHPSARHSAVDWCDPDLESFPEFAQAESNEVVLQAG
>comp3387_c0_seq1; 504 68 1550 LEN=1550; translated
MDEEKAIAAKKFLKKNESGSMKLDLARLVAEKLGDKENYKNAKKVITKSDKFSLEGKL
VSLTKKTKIDASELDSAAPAFKRPKTEWGMSSSEKLPSSIEKWRKDNLIVLKHSKDDEEGK
EETKKINANKPYNPCSSFDECKAIKDSLIRQCTEANGFTKPSPIQAQAWPILMHQKRDI
VGIAETGSGKTLAFGIPALSCMAKNPVVSKRRLPRMLVLSPTRELAMQVEVVLKEYGAVV
GMRSLCLYGGVPKYMQTSELRKGNIDIVVATPGRLKDLINEGTCDLSKVDHLVLDDEADM
LDMGFEEVKYIISTCRSKDDGRQTAMFSATWPAIIQEIAMNYMNDPVRLYVGFEGIVGS
NGENCIDDSLSANKRVTQTIEVIEDRPRENRLREILRNNRSKKRILVFALYKKEAERMEY
QLQRDGFVSCSIHGKHKQAARTQALADFKQNSQIMVATDVAARGLDIPDVELVVNYTFP
LTIEDYVHRIGRTGX
>comp3388_c0_seq1; 282 75 785 LEN=1062; translated
MKLYFLPFLIAAVAEAFNVSPDVSFRRTGVSAMNESNGTGELSRRITVQSIMLTSVLPVAV
VSPQMASARLEAVNRPDLLPSEAGLNVIQTEKFLTPGQAKRLDKMMANLEKDTGFRLKLL
CQNYPNTPGLAIRDYWSLGGKEDQKDDKYIVLVVDQFGGRGNILNFNVDGDKFALPNVFW
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>comp3389_c0_seq1; 742 188 1414 LEN=1446; translated
MARFTLAALSLLGASQYVTAFAQPVTSAVRMASSLNAVSKKDSYTVTLLAGDGIGPEISK
ATKGVLEALCAKQGFSLKDALIGGAIDAVIDPFPQETLDQCQSSDSVLLACIGGYKW
DNNPRELRPETGLLKMSSMGLFANLRPAKVLDQLIDASTLKREVVVEGVDVMVRELTGD
VYFGTPKGIDEVDGERIGYNNMIYKESEIDRIARVAGDVASKRNGKLCVSKANVLDVVSQ
LWREVVTDVISKDFEDVELSHMYVDNAAMQLIRWPKQFDTIIVTGNIFGDILSDEASMLVG
SLGMLPSASIGESGPGVFEPCHGSAPDIAGEDKANPLAMILSAAMMLKYDLDRPEEAQML
EDAVESVLEQGFRTPDIKIEGDGCKLVGCVEMGEAVAEAVTAMETISV
>comp3390_c0_seq1; 373 213 938 LEN=1872; translated
MARLPVGRNGDSRTRLLNSLGLFQEQRDERKCMLGKSSASIRYDRDSSPSNNHFENIVGG
SDGESGEKKKFRHVRWSWDIPVRSALHNSVAFETRLNDENIMRNHKDDRGNSQRRSSLSR
KNKEDNSPHSVRFNTVVSQVGIKIPSRNQYSRIKQTLWRDRYELSEMVERNTTEFHAENYD
WKQVVLDEEMYVDATSGERIHPCHELVNSFDESDDDDYNDLSLVDSESGFAPLSRLDSIASS
K
>comp3391_c0_seq1; 573 409 1659 LEN=2121; translated
MLFGSIPDHIWDEAATSLHLKGVATVRLSGRFDEGETFGSTKPSQIHRKAFRSARRVLDQ
ALHPDRHGAEDETVLDIDHNGNADVGEKLCCLPLMPIAPDADSAHATGFHWAGGMSRYN
VQREGIVFSDENCVCGDQDQTNPQSFHLHVHEDDCYLRDLSGMFCSLHSIADMVLLAI
ERKLELPLAEHKIDQSQPI SDDDGWFQRHLGPTTTASQWHMKRFVKEQKTKDDEGNDCTE
DSTKTSPMLSTSLNENGERITLPMHTDPSLISVVIHDI EEENS DGRPGALGLEYYHPKE
HCWIEPEAHGHSVATIFVGSVLAYLTSGQFPAAKHRVVEKESKQKQMAATLFRVQP
SALLQVPLPSPWLLKRIEERREERRRQGEKEPKNSTLSSKLLKSPSSKTPITFDW
>comp3393_c0_seq1; 392 209 1375 LEN=1439; translated
MAFVSRELAKGHRMATATTRLFSVSNIEADVKSISRATLQSMSSHGAPGSGVCSL
PDDLEPVYVTTDADAEEPELIANIMGANEFNSLHPLHYPLAKSKSTGNFICGLRRAYAE
DASYENSSKAPWPIVEAIEGGPGMRLISLNSEHLMRRIACEVDFGDERKELLELYNEDLG
KGF IQDEGLDRPYEQGSVEKLGYGVDKVVLLRVGPFDPDIYSKLAIGHAERGDESSSLIAA
EAANGKISGFASFYSSLLNTFPNRSEETRAARMCLRMPLSSVGLSAKDFRDVGIYG
QLAEETDSDEEIFAQLQIMYEKMRDHENEDPRAGNADMTPEQKALDDANYLLDITSLTGS
NWSEIRPKLAEIYKSVGRDDMADFVNP
>comp3394_c0_seq1; 460 347 1840 LEN=2266; translated
MTTMTTRMRYGSSTVSNRSTVAVCSAFVNPVVMGGNHQTKGLFSDSHSRKPTVFASSL
SASKGFRFPLSATEQAMHTRLRSSGRETTNRCLAVFSSVPSSPPSSSLATVPPNERAEL
LNLCKLEKLLNHRDDACDQTPSSTEDGDIGSPSIEIMDAALRSLRDPSSGYDQRYGRPALR
CYRSFVYPKSKTKAKAVADGGDGLIDNESSRHEDRIQLEAAALRTANQIDFLIKRHTSKR
MDAIRNHDPGSGVRGEESSGLEPEPTPEAFPLVLVLDNLRGFSFNVGSIFRTAEACGVSEIL
TCGITPHPNGSGAEKVAKSALGADLLVRTRHFATTRKALSALKQPGASSGDEKEIGYLP
LVVALETTAASELYTRFDYRYPYRKKSGERISQEGANNPSPDNNRQPGHQGIALILGNEV
TGVDAAELMAHLLDKDLGDNELVTGQNGDKARGLVDAIVELPTYGKKNSLNVAAPVIL
YEILRQWNEEVEDTGGV
>comp3395_c0_seq1; 299 152 1498 LEN=1594; translated
MTMEDPMI ERKMVVAQQENENTGFCLQQVSLDKAVAPLLVRPIAPFDRTERKRAHTSAIF
YSECFLRGIEPKMADTAALQAQGVYDKWVWRSTASSRRFGTFVGDKSESQKGTREEEGTK
NKAKYKRVADAEFLRNTHDFGTTLVARDPSSLSREISIEVVKKLMIEELRSSGGNVDTPE

FLKYQRILEKEFIQIRGIKNVNQISQEGNWFTISKPTFTFCQGTNDKGENKYSLSGRISFDM
FKPTGLVCSFRGAFNYVQAVDPSNPGRPLHVPRVLMQDIKKEKCLRTYDIAVAITIEAG
QDQKGNFIDEAEENSCYIVPKPIRGILTTLGYSIPDPNVANRLSIWLSGGSLLEVQDEERD
VDEWKKIFDTSTAPNRDIREYANSLAARLLLGAHIHDKMEEDGTLRFDLKRP IGGHGSVF
CDI IYMDDNLRIMHGHHSVYVSVRVP
>comp3396_c0_seq1; 197 93 902 LEN=1594; translated
MKLPNTSVTPSTVTVLGLGSLLSERSRSTTFPDLTNFRLGRISNQYRRVFGHPASIFF
QRGLANVETKEFSSLSAEEIEYCGSNRNDGENLGGFICSVFEVPRDQVYFDETDNDGRIV
ATKPTGAFLEREEEFDIVEVPPFLDFSESNSDPKTAERATKLGTLCTRFTDQGYVERWGK
QRFDENYGRFGIDTIWGW EADSGLLPCR VYL RHCYLA AKSMGSECLDSFLDETVLVDRRT
TIRQYLEEQEPDLIETTIPPPGFQRYSG
>comp3397_c0_seq1; 491 53 1216 LEN=1382; translated
MKTSQRIALTAIALAYSWSGSSVYAATTSATGNKEGGGEQYLSLIGNAHVQYHPTFFNDV
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GGRGDDCDPADVKLLDYPQWEAEKGYWIGEYTF LQGDGNPYESSQWNYPYDHYKGFITGE
VVGNA YQRNVFLYPPQIPSKCNPENENNVI GDGECGVNGNTKVFEADQSATTC SLNPAL
GGIIEGLYVQGPYELPTKTELIGRENALLYQVFIPGTMVGKEEDVLLQSQLTTITKNEDEK
VYRTRTAQSFDTFVSPGLTTSASYRERRVSKEEFYESLNSSIADYNIRTEDLCVWDNSG
FPVEGVTGSIEACEEHLEESFLLGSEE
>comp3398_c0_seq1; 457 484 1880 LEN=1880; translated
MRLLLATHRSSPPFVVS PRKILDFVVVVTAIASAXLFGANHPGAGRPGWRKRPSGRYTNW
PTLGSNKRTGATPELLLG VANNYCAAKRWPWPWRSQP HAFHDAFSAAIQLWGGSTDSVFP
PRPDFENSRRSSKVL RHDEPYQAWDVRFSGSNKGDSNDEKDPKEDREHV SCKDLQDEAT
FRYGS DPSRDCVWVAEYPIRRCRKIDPIRNQKTRVFCPLTCHKECRVVDKI IDDFVNNNN
VTGGINGTDVDTHSAAPSGTPTVSFFPSEDASLVPTAIDEGVNDVVEEDVFDPSLS PSTL
PTTYMPSPLFATAAPTVEDDKRNVSLVTSNNREQTFGTTKWILLGVFMVLVLGILVGTA
AAQCFRCSSKRTRRRRIQPNSNKERAPNFRRRKKKDRADGRQQQQEQSPPVRTTDRGGG
SIGSTDS CSCYLQDDYGV EVDYDVHDCWSVSVSVLPPPPVEDVDL
>comp3399_c0_seq1; 367 1 789 LEN=1671; minus strand; translated
AQNNLLNKATAPKVYQDFTTKKVF TMERLRGVSMLDEETLTKVTKDPEVGQQAIIISALNI
WTQSVMQMPWFHADVHAGNLLLLDDGRIGFIDFGIVGRVSDKTFKAVNELSTSLALADYK
GMAQALCNMGATDEEVDVEKFGRDIEVVMKRIASVQPDITITEMQDGAIGGTLDFDETEI
TNLLELVEITEDNGLKLPREFGLLVKQSLYFDRYLKI LAPELDMNDARVSGLGEEALK
TTSMPMVNGSGGNTDESIVIDV
>comp3400_c0_seq1; 171 1 542 LEN=732; translated
XIQNTLLLSFFPISLLPNQOELPRTWCILTFNQKKSISNKVTEYDVYHNPSIVEKFFVGL
RPTLLQIDRILEIAPIRWKRDDFENHHQOKEGIPKTSQAR IENENKSSAVRNISGVISS
LRSPLFKGDSKLQ LQAKDMFYKRRKECLRRLQLIFKVMSSAGKGEYETTTFGHVQIRRYK
>comp3401_c0_seq1; 184 269 475 LEN=772; translated
MGDGARRKLQLFATNFEDRMKGINHNNGAHTGGLQEQARGAAAERRGLLDNDDDDYGEDMI
EFETRCSR
>comp3401_c0_seq2; 265 1 984 LEN=1281; translated
KTSSSTERNQRTVIPFWIHTATPRNTPRYIPLQTMGIT YEEALATLEAMFGDPWTRESLD
AVLRHEKGHMENTCERILEHGEKDPVLLVERLRNGGPEPQVAMDEEYARRLAGQEEGVS
SGRGSRSRSGGGHRDGGNGRGTPTILPSDFLRLPGFRPPPSSTASSASSSSSGANRAAGA
GAGRRQPPHDETLARMLQDEL FSEELARNPDFAHLAGRNPRRSSARPSASNARLP AAPA
GAPLQNPFEGVNVMQKLSMMDGARRKLQLFATNFEDRMKGINHNNGAHTGGLQEQARGAA
AERRGLLDNDDDDYGEDMIEFETRCSR
>comp3402_c0_seq1; 787 47 1897 LEN=2004; translated
MRSCGILSLALVAIINNDSRVSSFVPSLLARNSPNYGKLFSTVEAVESESSVETDSASA
SEKLP ELPALSTSLTKLGFSTPTPIQSVSAKRALDLENLLMIAPTGSKTL SYMLPALE
KIVAKKQQQEETAGVLQGG EAGTVLVVAPTRELALQLMRD TTSILSNVDAMSDSGDLAVL
LAVQGVQIPTPEELNSATVLI GTPKELLFVLSEVRGGPEFLAGDVLSSVILDEV DVLLPN
PPKQLRTSLDKSGNAARERKGGKFNTPQDERRRQEQKRKLMAAKRRGVEFGSDKQIIGP
TESLLKMIANRRLYTADGSTPTPYHVLGASATASRKTLDRLNKALRDAAMDASQTVDG VV
NGSVSPCRPEISESDQSDDESKKQDHTIRAVTVPSEVKHQYVRLEKDEATKPAAVLQAVA
KATEALKPKRALLFLCGEFRKQKSAAPTRKRTTPQKTPPRRGRQKTLKQKAEAAAAAR
AKAPDTGLSARKACAGLAHFGIEAKPLHVALGLEVNAREEDEDEEEVPPFLVTFEGSAR
GLHLDDIDTVFVVRPSSAASYLHLAGRVGRSSTSAEGDVVVRPGNVVSFCTAGSSKELN
KWKTKVGGTELEEIAV

>comp3403_c0_seq1; 894 1 1110 LEN=1110; translated
MDMDGMDGMDLEAGDMDGMEEGWEEIEIEIEEQDFDDISVGDDSVNLQONEDENDLEAE
EEEDDDDDGGWEEDIEFEEQEELDADGTDADAAGKKGKGSACKNQKKSQAQEQAAKKGGMKGI
MASIGVAATDLIASQIVGQIFGDGIMPGLMGGGNDVDLGGIEDAADQAGDVVNDVADL
AEDTVDEVSDEKKDAKAAALAELEERQSGSSSDMYDSTGRKIRAAALPLGAGAAAVGVGAG
LHAAKKKPSLLGPRTDAAAGADDDSFASIQSGEEDFEDEEVSGDEEEEEEEETKRKTG
KKTCKLFGAIKNIASATVTAAKETVVSIAIVGDDLCELLVEKQEEAAEGSDSEDGSDDEDK
EENDDDDDD

>comp3404_c0_seq1; 605 1 1165 LEN=1278; translated
XSDETERIGLKANRSSIAPTPLAPTTLAPSQPHRTAPQHRPLGSLNVTMAPAPLPTAAG
TQEGTAKAAAAGLPAPAADAASAKPASGITKKTGTGKSSSKTVTKASGAGTKAKKPVK
KSTKSSSSAGSSQLSASRAAQLDLASQRSAAAARKSDPLWYQLEDYVLPVAEETPMTE
GTGAKILPEQVQIVEAALEKNGLTRSDVTPQAFACLLAQARRYAIDILTDSDYAFVANR
TEITKADLALANDFRPDHPTAVTAQLPKLNLLAQTINRVPLPPIPTQCYSVLLPSKRFQ
LTARTFDVVTSAQTAQKMVQAVPAFPKAKTSSTGSSSGTSSKGTSSSSKSTKAPSY
GASRGRQIAINLKGDNNSNKDKMDTTK

>comp3407_c0_seq1; 470 153 1340 LEN=1386; translated
MRLAAASCSRRNASQRRFCRCLLVFLFALVAPDSFSGFLPMPFSTTASPSNGRLFGLVPA
ASAWETDYIAGGENSGANTLTDSEISDLRVRDIKRRRLARSHGYAADELARMLDKKDL
AALSREETKVRKKHRGQQQRKLFWRGLFVALLCVVAVVWPLWVQLSEVMVNWQVYDR
KRHEISQCVFRSVKGSFGVLLGLVLDGIRFWLSMTVLLSWVLPSESPYRRYMFPIPSLP
IRPGQFMGDKIANGPMGRYGINAAPMAITWSMGFVRSKIEYWTGKALSASAKRRRKEARS
AETSEERKARKAAKKAAREAAEERERKQQAEMERRKEMAQKASEQLYGNRQPA
KEEPETENEPPTSNGDYDDAKREFESDMDDINDLD

>comp3413_c0_seq1; 340 221 655 LEN=1069; translated
MADDDSDSDEWGLEELVIPPKEKGTGGGNTGQGTADADGADVGDDYWEVKKNTGVAAGK
ASKEQEDDSNGGNNDKGGPEMIVDMTLLNPDIIHFKFDRNSVNQPEEASALRKAIEK
DYETYAHSSDYLSEGIIVVPCGSSVW

>comp3416_c0_seq1; 199 1 458 LEN=860; translated
XQTKPNQTLAMGIFKKTRQSLIEDPATVAVDGETIETTLPQKQPQPAQEKQQQPQQSIA
QWKKARKKERKANAVKQKEQRASRIHQVLVLRHSANRSGGPQNEYCYSPIAVQRQKS
AKKAASVWGTAQIAMKGVFGGLGRKDKIRKN

>comp3417_c0_seq1; 373 76 1389 LEN=1615; translated
MVMLQRQQAMSMRRQSSCPGMLRNQQSNYSHGGSFMSCAMGDDNGSISVSSRQSSSFSS
MTSDNTEHERRSPSILPSTFGGNMNSRRTNSQNLVHHQQAQTPRWVLLVMCGTIMLSWFR
AVQYRTISYGILSSMDTELESIEFQKRQSTRLWKDATDTKNSFAKQHWKLLKKTQKNFQHE
TRMLEEMAELEAASDNDNIEIPEAAREKFQNRRTGDVAKKWIHRQEALLHKVYSLQAYI
RENSRQRVIEKYGYGPHHVVDVKSREGRKSGKFTVRMAPLTAVPHAVETFMMDMVSNKVW
DNTVFYYHHSQAHVVAAPVVYGTFTQKDHELESGLHNGVSFPEYSPSPFKQHTIGFAG
SGPNFYINSIDNEDHHGPGSQGHHELEGDADPCFGEVINGFDTIREMQYARHRGDVPRVW
SDYDLTRIIKATLVPLI

>comp3417_c0_seq2; 373 94 1407 LEN=1633; translated
MVMLQRQQAMSMRRQSSCPGMLRNQQSNYSHGGSFMSCAMGDDNGSISVSSRQSSSFSS
MTSDNTEHERRSPSILPSTFGGNMNSRRTNSQNLVHHQQAQTPRWVLLVMCGTIMLSWFR
AVQYRTISYGILSSMDTELESIEFQKRQSTRLWKDATDTKNSFAKQHWKLLKKTQKNFQHE
TRMLEEMAELEAASDNDNIEIPEAAREKFQNRRTGDVAKKWIHRQEALLHKVYSLQAYI
RENSRQRVIEKYGYGPHHVVDVKSREGRKSGKFTVRMAPLTAVPHAVETFMMDMVSNKVW
DNTVFYYHHSQAHVVAAPVVYGTFTQKDHELESGLHNGVSFPEYSPSPFKQHTIGFAG
SGPNFYINSIDNEDHHGPGSQGHHELEGDADPCFGEVINGFDTIREMQYARHRGDVPRVW
SDYDLTRIIKATLVPLI

>comp3419_c0_seq1; 605 123 1274 LEN=1523; translated
MATQPPPEAKLLDKFPDGISALQYLPSSSNEGKRLASSWDGAVRVHDTSNESASAS
SSSPLLLSHNMESGPLLSLAVPGATTVVVTGGLDGSIKSFDGTSTVRSIGFHGNKNSGSI
PGGAGVETGNACSLSSMSNDGASSDVVVSASWNRQLCVWDLRQQNSGNAARSLLPKA
FAMDVDASRNRIIVATSGRHNCVYDLRMLESPNTFELKSVLERDSSLKFQTRCVRLFPEG
HGFCIGSIEGRVGEFLDEIGDERMLAVAGKQKQYAFKCHRDSNSGLVYPVNAIAFHPRH
RNTFFATGGCDGTVVLWDGQNKKLTALPAFPPTSISAMCF'SNDGTELAIASSYTHEEGDRE
QHPQDELYVRKILDSEATPKTAA

>comp3420_c0_seq1; 333 1 1572 LEN=1605; translated
DDTSLRHFAQICVHNVHARMETSTLVYSWIARGIYNLDSQRFQKASLDTRTEGWTFETW

GNHGEGKSSEESRSEADGIPDGETTNEIDKQSIISLQLATPYPQLEIMLTQHRPAWFEQML
LRVADIPHIVRNSNHSNEATGQLPYLTDCTPSKLPVLVGRHQPSNLKRSSNICNNSILA
YLQDCRNVNLDKQAGLATDQEQALSXSQFMIQSELSKILLHARFEDGDAWEQVYRDQYI
GASTVQCNEGRGPPSSLGKRWNWLLKLGHRFQASMERATERRRRLPGCGCRGQSSISIDQLLER
ANEAYFAIDRQLLSAAMKQNKTDKSKRYLLGTDEPALVDVLLWAHLAEALCDVHLVLLA
SYPRLVEYFEDFYRRYFGQCDKAVDEVCSWKDWNNAQNLENAFQKIPTLSKRDPQNTAF
KNAVDLMQKSSLQKQDLQEVLDAAKEIRTKECIPEPREPPSYLLYRWCMGETSTADQPVT
GKESENPIRKKLLRDQARNDQMWISGILGISAVAVLVIQGSAT
>comp3421_c0_seq1; 438 536 2021 LEN=2053; translated
MVLSTPELELQSLRENAYRTRDGSLSVAAGDQWGNLSALAAVSVASQRLGRSTRVGRLLGA
PVTAMALTFFLASVGVLAQGGTPTSRSLSQTMAIRFATPWILLGAEFGTSGGDELVEASS
SSSTSVAPLVVGFGLASLTLAGGCIGWNLAGGALVSCALGGHDGLAIASALLAKNIGG
INYVAVCAALEASPEAIAVGLCIDNIGALVYFPI SNLLASRYPDVTDSDNASQTNSEARN
SGQNKDSGVASAAVEPMTVSSI SMAFFAATLLWMDYVASSLLKSPSSQIPVVTLLAV
LAGIVAPRLPTRETDGSISSSTAGGPMSEPKFPLFPSSASKRALRSTCDTLGTFCLYLFF
TTAGAPGIKVAKSMTSALVPLSILLYAVHGGILSALYQLGHEQSRFRKRQRREGQ
LRPTRGWLSTVLSQRLLVASSAIGGPPTSVALARSVSWDSLVPALLVGNIGYAVSTF
IGIAFYCLKSTVL
>comp3422_c0_seq1; 858 140 2020 LEN=2330; translated
MGSPHRQTHKNARLAVAVAVTVSTLLVLVGLQCSNALAPPPRKDASRATATARALTRTRT
RANTCLFNNGESAATAAARSEIDRRRLAIISHPDSGKTTMTEKLLLYGGALQQAGAV
RQKAEQRATQSDFMEMEKERGISISSTVMNFYEGFRLNILDTPGHQDFSEDYRALAAA
DNAIMLLDAAKGLEPQTRKLFVCRMRGLPLFTFCNKMDRPSLSPEYELMDQIQEEFDLES
FPILWPIGDGRFKGVLDRLLEDVHLYQKPAKRGAKAEVIEVPLSETDRLEELIDDAELF
EKLLDRELLDELIEPLDMERVLDGEQTPLFFGSAMTNFGVQLFLDKFLKMGTKPTS
ISGDKKEESTE QPVSPEHEEFTGFIFKTQANLDPHRDRLAYVRVSVGVYKGMKVGH
SKAGKKNLAQAQALFGSDRSTVELAYPGDVIGINNPFSFAIGDTLFTGAERVAFP
GPSFSPEKFAIRSPNPSDYKSFRRKIDQLLAEGAVQALRQRNDGGGGLMLAAVQQLQF
EVVQARLENEYKVESQMEPLGYTLARWADGGWDAVDKADADGKLFGIMIVQDRWGR
PVLFRNDWKAASLTHEEKDLQKLPWSQPPDFE
>comp3423_c0_seq1; 238 1 982 LEN=1141; translated
XSDYPSDYPTAGPSDYPSVGPSASKSSDSPTSLPKPPERRTDPNSLVSSSPTGTPT
FELPVHCPPSDPILVAVEGETMYPAPPLAITYQNTTHVGFVENTFGNLISSVFTEYH
SGDFGETECLLEENVETNQEIEFVAQCMVHAKISIVNVWISDCNDASPFLELDNAE
VPECCHPGDECKTVQYTFKLPCVDPCPIDLSEVGDAVSTSTGSPKLI DSGTSRPT
SSVSSVSSSPSASPSASPKDATYPQGRKLDEEKLEDEDFCVVEDYPCGPSSDKVYV
CHYSARDGYKTFVPEPDSALRFYPKDYCGPCVGGYSETI
>comp3424_c0_seq2; 82 281 870 LEN=1416; translated
MAKMLPSLIVFDLDDCLWTPMHELPGCPEIPVHGDLTPKHGNSKQAHQPPREQV
GVVGLQVPRYRDTVTLYDGARSVLYELATNPIYKGIQLATASSSLEPSYSYACLGG
IEILPGLCLGDMMSYNQIGRTGALSPDKTTHFRELHEESGIPYEMLFFDDCNWGD
XLPESHKGVRSKPENAAWIAMGRIPKGP
>comp3425_c0_seq1; 247 224 1270 LEN=1508; translated
MPGPPPVVTVFSSIPAIAEALSSCEGLALDVVEDGALTGYGGTVEFDPRNLSPAT
FKALERAVVLVSEPAVVASLLGHPEPQCLRNLRWCQSTYAGVDPLFAPGIAHLEK
PWILTRFAGVFGPPIAEWCLARIIGHERSFAASALDQRREWAGSREAVGHYRYS
SSLTSLVLCGGDIGRCIARAASALGMRTVGFGRIPRAQGDLEGVEKYTLDLGEAL
RAGDYVVSVPSTPETRGLLGGSALAAAAGASGGKSPVLLNVGRGDVIDEESLLS
ALESGYISAAILDVFEKEPLPRDSPLWNTPGVVVSPHVSGLTQASDVP
GVLLANYQRYVEGNDLLYVVDWDKGY
>comp3426_c0_seq1; 352 139 1122 LEN=1585; translated
MSTSNKSSSKSSSRIARGTALASIALAALSPSASGFSPLASFLRTTGPLRSMS
MNDNSP SDTPLENDVVTVDVESAESLETVDKALGSETETPGALVSRIVDLLP
STVGLSPSEENRS AINEALLGLEALNPTPEPAT SALLNGVWELAYAGLYSSA
GALDSPTRQAALFLYSGGYSPGLFCLQLAKQLPRGLVEVTGPLDISISRAAP
RVEASVSVKTLGGTSTVRVKS DLGVVSGVRLKETYESAEVLSRGFV
DLPGVLQYSREIYVTYLDEDLMIVRDGSVPELLVVRKEKSFT
RVWGDEPTTVDELAPGEEDAASVL
>comp3427_c0_seq1; 254 87 665 LEN=910; translated
MSNPNHYRHPGHERIVREYEDRQQLVNEAEIADLKRQLERATLNQETLLARR
NAAKNYEAAPKNKVDHLEDDGGSDEVRSNCIGGSDEVSSNHNRRDASTRRH
SKRYLRRLMRKTLTTSTTYATSASDEQGRNTCASNGQRMSLVNAEGVLV
VNNNGISSPRKRSERLRERYQSES

LRIARFSDRRQV

>comp3429_c0_seq1; 362 82 1218 LEN=1472; translated
MRQYETTRIRRRQATCRTTAAHGMLCCLLAFAPFEANGRWVTTVTPWVQSVGAFAPVVIQP
RIPTSSFP SRDQ NCHNSRAVLPCKGMPFPQGAGSLTKTVHASSLSAMPMELAYTL SGAYG
TALLEHPLPTKSLTAGILCGIGDVL AQSRGTNEDSTS NYNLQRTLRFASKGCLGGILWTF
WYDQIDSFLRFQEDIDQIGGDGSYNHNKISLYVLTGSIFSVQANASFLAFCKAHTAAVTT
LMSILMEQFLWCPLVYGTFEIPISTLMNGG SVGSIRGEVTSKLNGLLV SNAKVWTLANLL
IYNAPLEWRLFIGNVIDIFWQSIVADVSADCGGLGQE ECGLDGTETTFISAGEEKEIEAA
MMASSTAPVNDRL LQTIE

>comp3430_c0_seq1; 362 134 1388 LEN=1396; translated
MVSTSAQPTATRPGLLVLVFLLSAPLLAAGFRATTTTGVTSLRG SERTNTSTACFSVRF
RCGRPGDEPVIALTMARELMNPLGISHRNFVVAEDASTGDRVGWAQIRPLGPAGVDPSEL
NSPPGSMK PASIGDAVDEQMWEFEEDPSAGFGDGRWQSTLPWTKEYKQAFASAAERRER
RAELLAREEDARADRPV PRLWELASVYVVPERRSEGIGSGLVRSVLDQHRELGRASEAVY
ALTLSSSTVEWYRSGFGFVEVEEPREVPKPMALEVAAGSILTKLMGNELVCLRMPLEQMTG
ERSGKPRINT EEFSEHANRPI RNASCPSWREMGCQNERENRVDKTPPNPQKERRGTEHER
FENDSSALPFDNYRAGNFSVGIAAIPCRDERIRQAERSFVPPSQIFAPPEVNTAVPY

>comp3431_c0_seq1; 175 1 1079 LEN=1352; translated
XSEENPSKQPKPHSMVDDGAFVSKQPPEALSSTPR SAPARFFRVRPAAGSDDFRAESMHR
SVRCGGAHPLD VDDPSPSGSV PANGNESGKKIDSGEGSSSSSIEARNRTHPGVACSRPVS
IREDLTEEQRNPAVGERWMDPPTGGNLHLVCCDTTKG SFRILLHERWAPTGVSHLLEML
GGGYFDTEIPLFRCTDACQFGLSANQTLTKAFGGTVADDPLWLPTGPEHRYFRAPGGSGE
IERYPKGVLT YAGGGRNSRGNQFVLTLPNKYMGGGSPWEVPLGEVVEIESERKNAGGES
SDLSLPDLYTGYGERGPGQGLLHREGASASVRERWPLMDYVLRCSIVDQWISDGGGGRG

>comp3433_c0_seq1; 665 1 1029 LEN=1206; translated
GWYHAVQMLEDKCPSASLDYVVEPWFMGAGADSEAGKEFG EWQA ESEAKYGTGFAVSLDD
LPPPAAPRLALISGRTADNPRLLSE SIAHGAKCIYLEKPGAPT VVELEAMKDEADAASVE
VLMGYKNVCKYVRKTREFAETVEGSHVTFVSN NAYENTPESLGE CFERNAEGMLKNMAI
HELALLVSFYDVTVDNIESVVADKEFSSSLQTLKGPSGDDYTD FDKIKFTITTKTGKEVSV
AADRCGGTDSYATVTDTSGE E VFRYMPDEEDKVHVKELEAQYPTAMPYFFTQDPDYITV
KERVAKHTVDGKPAEGVATI QIAIDTLKVAEYLTPI LQEQLK

>comp3434_c0_seq1; 228 140 658 LEN=855; translated
MRSMSYLSNMTSESNLHRSTTKSLGKKRLVASKSSSKSGPATS YKLSSPVRTILSRELQM
PCFKGSDGPLQPVNSRRRFRQRGSKSASMLRSLSSSHMVAELLKNDSRREERTDTTELLI
GSMKRISTESNRSSSSSYSESSSMGGSMATLSSRMEDSSNSSLPSREQSSA

>comp3435_c0_seq1; 174 117 613 LEN=845; translated
MSSAPTEEPSTPPEGLR DDELSKR FYYGGLLGLPWLWIVHALHFHGKQRQLEAQRILREE
QEHNVNVRMKLA EWDDNDNLSVLSSGIFITDVL LFFLASSSHPDTDNQYAEAEKMWVRR
GRNSAVVVS GAWLAWVLFVQLIFPDTLPSSWYVRDPNSYAATGW

>comp3435_c0_seq2; 206 117 515 LEN=747; translated
MSSAPTEEPSTPPEGLR DDELSKR FYYGGLLGLPWLWIVHALHFHGKQRQLEAQRILREE
QEHNSESSSSHPDTDNQYAEAEKMWVRRGRNSAVVVS GAWLAWVLFVQLIFPDTLPSSWY
VRDPNSYAATGW

>comp3436_c0_seq1; 299 133 1533 LEN=1768; translated
MRSILPTTHFVLPFSRQVLEEVPPNQRLARSPPKHTEG SNRPFPSPRDHAPS NRERQTK
SKLGLVSSRTVVPCLLLLTLAIVAGTMDLRRPLVATLAVVADADGNTDGNTDGREVLSS
LEHLFHNGGT VGGTTGGATSPGVPFESGLRWNPRPGVPCPHCGQTDDDDGGAVQRFSGS
ADRDAASLGE GDPPTARTPTGGQTRLATAAVSGSPSWGQ RVLRLWSSGGTAGKASPE SRH
LRAAPPVATAPGDPLGSSLLPGDSICATIERAFPRAFPERLKRKCRWAAARS RGGGTARR
TALGSNHRASFETGNGGESGSGKNDVPEDGNNLSEENENNDASEDANDVSKDGNDVPED
GASPSVPYLGSDRDEHGCI VSAGTPGASWPGPATGPGKAPARAPLARTQSPLPLEPTPAA
GAATKATSGAGPPGRATTXWETVCGGGAELPARYNP I GARKRHKFL

>comp3439_c0_seq1; 401 1 829 LEN=837; translated
XQQQHQEREQSTRQRRRQRRQDKQQRGAEPTRAEVSVDDILASLQQQQQAPGEPLVSA
GGPPSASEKDAPGSGFRDDGIATQQIAPQELRIAAASNDL ASLERYLDVAPQHANRQDKR
GWTALHYASHHG NLGAVRLLLGHGDGESEWEIDAGIKS FDETPQTA FDVALAVHGIDHPV
ARAFVESGWH DGGESDERVRRVLDEKKRRDEKDKRLADKAERERLAIQQKRDRMFGDL SR
YRAINKNGDDLDDDDGENESEVELRRKRLDALLGGEL

>comp3440_c0_seq1; 281 1 1613 LEN=1790; translated
RNYREDQILLRFFSVRWNTVTKIPNLEWLIDDFKLMMDNAVEARDQKRTIDPILNLPVNS

LATSLCFVCPAKINAPATKIEPDIETSGNTSYPDEKSAYFCEDDDSESDSDSDDNELLFR
SSSISITKTDSNTSIRGGRHLHRVLNDRFLASCHQDGEALLWDLNRQKNVARI AAPRGG
GLCVRRTDDPSQIMVQTRDPKIVSLHSIERCRPIVGSHGIGSDSDTTSNHVRQYETHSQ
TFCRAAPCYGNKHLALPSDDESTVTVVDNRNSSSVATYSVPGHGMLTSLGLAVTDHERG
YASHNPILACGMENGTAVFFDITSGSAKPVASESSFSLGKDPILTLDLLPSFSRSIVATH
ENCPPSPFITSSSNALLVAAGMAGDAEEVSELESEDEAGRAVLFKAFCRGDSTSSPAWTFK
QRKRFSTCRVDRDGFNGKPGVSSCKFRPGDGRLLAIGGWDRRIRLFRERSTGKPMAILKGN
VGSVADLDWAPDSMKSGLLQVHAEKKNRYLFGNAMQSVELSLEKYENALYRFLGLV
>comp3441_c0_seq1; 342 1 1890 LEN=1890; translated
XNNNNNNNTMSSNNPGTAETTGARPMTKEEQEQQLFRDAMLALSALAGAVLFLKALAASIT
VYLALLPLAFLYGIQTCPASSFPAKQQLRSVLRGDSLPPDHPDNPQKTGFLQQLWADT
KATLTSELVTLPGYEVTIASLAGAALLARVTMPTADLECVWLGCNHRWYYWGARSLSSEN
GPGAAVEGVSDNKVGNVYKAPVHDLKIGNANFRLDGKQDEXLPDDGLGRCQLAGT
PRPAGENGLLDGQKPAKQTKTRWARVLSNSLFPGLFFFLRLDSEPESENRLSTINS
TQFSLIPRLCLEVENTMQLLNSLQVDFDRELLLSMLYHIHIQRLIYLVFDRVPKPLFILQ
QWLPWLRREKRAPRTYQLANKLCYAHKLRQNEDEKETEESTHRTALHRKNNSTGQQHRTTTR
VPAETRSTAIAMCVPMDGLCRVPPHFLPFATERGTGLLYQQHNRPLQPTDLVEAAMAPA
TESAKETAVATPPLACFVRVAPEEAGGAGGLAPSATAGRKTGDDWLAPPNACSSPQNK
PISSQVQKSSSRGSLQATVFPVPRHAQFSSSRASSPCQTVPLPSLPSAGSSGPGPSSA
STSNVVLAVEERSGRLEITSCGGDSGRTIGX
>comp3442_c0_seq1; 614 1 1886 LEN=2369; translated
XSDDENKPAEGSKWDGAYSPSFFARFANALFGCDDNDTDGRFSMKCGGDHREPNTVEAK
LKAFTMPSPRKSASEIGSPRRDSGPGPSETSLAGEESSEYQCTETEYTTTEYTSVGV
TLGDTTETSNYPGSLSIITREGDGARTVGYEGDDNATFFPTYQRGFSATGETQSEPRNGEV
LEFESDPYHEDETLTTYGEAMGVSTLEDTTTTFTLGDTTTTFTFNDYDDDDDEQREYD
EDSSYGSNSFRSPLTDSYQTASSRFFGDSQSRFSLSRSMPRFREHFDPTRGNGDRDGAQ
SVVGNQIAFVSHHHEEQQLAMGESRSVSTRSPSSLRESLMSSGFRNENDVIVGIMAIA
EDDDNKTGEDSKDLSYTKSENRLNLSINFILLNENEEAPQSELETSQTTRSARLRFTFG
KKGKTKTAIDRDMAVGSECCSAEDGEKEGCKENEPTKKTTLARKPGEKGPSPSEADVS
SKAVRITVLTVKKADVDGSRSQGSYRTRSSAFQSIYVGRESTSSGKARDEPRDEPEEPK
DSHHQRKANHKVLRHRSNGPFLRVDATVPVSTPEKVPVSPGGSMASMTTSHPKCQGP
SSELLLSGNLSPMARLRNPVSYDVLSDH
>comp3443_c0_seq1; 318 43 777 LEN=1484; translated
MMEGAFFLLLCLKTLTVPVESFPASSLSHTKISADVTIRRETKIYRAKANDDDDVDQSTD
SSSLIPTEAVEFEDWKAIANHFVDESVEAETLHSKPIILFDGVCNLCNGGVNYAIDHDKN
GKFRFASLQSNVAKSLLLRDGDGKDPFTTSDVVLVTAEKNYSSSEAVARIMASLDLPVLKLL
GNLQGITPSFARNFIYKIVSGNRFVLGENDSCRMDFDGEYTWRFVSDPPESISSLTEEDK
NAGE
>comp3444_c0_seq1; 162 1 445 LEN=1232; translated
NNNNTKWKPSLQTI AEEEEERVVAGPNTIEDEDEAEAEQGGDCDEEGKPRKASAMAMAMAK
PNTQKALPLPHPRQQLDLLVAGSSAPSPSAPPGTSASSGRSEQNGTDQNTTERNGTK
GNATQKATAKQRPPNPQNHPRATPRK
>comp3445_c0_seq1; 156 1 364 LEN=525; translated
XRKMIDDVSRPVAMNIATISAGFEKGDFLVREEQGNRVYDFDFEEAFNYISNKG YARMS
REDEKHWVDLMNVIHDSVKGMKYNTGTLLMVL SRPVNSDGASDKKDKVKAPSKDLKSMN
P
>comp3446_c0_seq1; 920 1 4209 LEN=4240; translated
XFFATRLQSGPRFAFESVPPARTEVDWTNLSRMLRQLSATRRKALPSVAPRRGSHKNVRR
ENYDCGGVVRVSSGNPLCRTVGRFEERQRRYFRHHVQHQQRRQGGGFSFHHNCTDRA
TRCDLSRRDLPSFHRLRACYFSNA AERTLD DENADDDAAVHAGGDQAPDQAPVHANQSTE
HEGDPGLNHIGNLKLWYLDHHEIGSVVQDAFETKMVQNP SHSILVRCGGDTDAALSGKG
QDAIDAIQQIF TASF TCVPTNEREYAGRLSGYFDIGDQNFYSKKKVALQAVSAVVRHMK
GASDSNHDNPNTKAVLDN GEEYSYRLPSTNDQNSLRQLQALYMAKFKVSPTKSQSRMTK
QCFVKGEGGSSWTA AFVCPVTSRIYEAGDLPT EYAPDSMKMKNAGQIWIYRKKSDAVHAS
AYTAIDSIDWDAELSTLEEDKSKTAPAELEQSARSTDVLRALSFWFLEQQGHTDLDSLIE
ENFVVTAGTDDKGREVWTASF LCP LTGERFDSGTINTNDAVPVAEIDHLN WYTNRDTALR
AASL RAYDAFHFRDTGVTDRFCREDPTDFTTGNVRVGGEDIDSSENDEDTYTADDLIG
YEEDEEDFII EVIPQQLNLSRGL ESGSSKTLDIIAQAWIDSTVVPSSSEESPKHEIQKLQ
NIYSERQRTINRAM EWVSKQKHSVKETNDRTQFDVTGRICNLKIANAILSSLAKNHQRIP
FDSRPAGVEKCAAAI L ESMWSSESTIPDAQSYALYLKCLEGETAKEVAGRAQEI ISAMES

GDEYNGRFLPKPNEAVHSILAE LNALAGISPPDTIRGCESLDRNVHLCHLSAMAHNPTMF
DAKLAIECIDQMRTLSETHNCP SLQPDIEAYNAPLRWSGGSLRSRLYSRVIPWDSYSEIF
EDGFVSESNAALLEQA AKVEEWIEMMKSKTENDDALAPNIETYESLIQAWVRCGSMESL
LRAETIANNLITGDYPCIRPRLQTFYPIIGAWVYSGCDEG PQSVESWIDRILLQLLEPDI
DSRLGFP HLSIMSQLSLQRQILKQSGDTPDSMSRIKESAIKSNEILRSIIEEQNNAAEFR
IGSDMFMLVINAWCNVASTALSQNIMEEVRQCSREIQKVVNLFDEMLISLNMADDSQEEN
QSKYSRLLNEAPSVYGAQIAALNKLQTD FVSHEGSWSDDGLRQQQIFIEEKIRRL EEFN
FFFSGDNNVKIADSQNCNSEVNIMSPFPNEVYMTDPSCRWADFIYLSLDSIEKGTNNFS
HGEADFLRLCTLITRVTSSAMPSVLTSESRDQIFHKVIDLLEIYGSQNQDRMTVVSTLVQ
SLKKCVGTQQDKETKSLHGCILRCGTNEQLDEEDANDLTVAXCPNKT KNEEEEVSWERIT
RKLVSFKSTKPLTVKALS FASC

>comp3447_c0_seq1; 507 1 2185 LEN=2185; translated
XTLLLKVAVIYPETTDVADQSYAGLLHHWISSRVDFGKIILTSNRKKS GTSNFTSSDEVRI
VIVKGSSYDICATADIALFVIPP HWSGPEQKGEILGELASSLIDDDIPRVALVLRDSVGA
DEIREINNL IATQLAGNMDAIP IHPSELSVKAFESALESF SRIA KLFVHEACVRVSRI
PAMQLATKTILAVLWQSIPSVAGEDIDEDAIVECSRLTVHTLIEELAKQFERNETEWSLW
PAPEFSSRDGVVQSYFSGAVGLPLEWGRCLDRRVLHQTYESLLSAFRGHFRDAYQRIVVD
APITVQDQCASECAQQYRRCLERALQWMQTSSSFSGCFLYLPEGLLEFVKKKVGEKVGGA
SPLLSSKSGSNSTKAEIPHLAAEDRLF CDDVPTKNTSKRSRAAPDFFGKRSAPTNGNHPS
LKKQKQEDPPVAAGEGPPCVTPVGTVGSQARNPVQTPSTKRRTSALRKGDAYATKLERLL
HGDDTIDFVVGQTSLSSEFLRGAPKPKAEGANPSASNGV SIGIKDTMILILQNGKKGTMI
GGHQYHINITSHHTPHQIIRGRLEILRLLRHFCNKTSQLLNCIILLQQYPYGTVMMSGXG
MVRQAARDSVGSQ LDRSRLR PCHSVVRSLS TWYDAKSASQRSISDTMARESAFFRCLTRL
PRTLSTEAPAHSGGATTTASTAAXDLVELVADPRQRALDAEGVPPAGAPSPVGGVVHPD
RVPEPGGEGX

>comp3448_c0_seq2; 301 75 1037 LEN=1184; translated
MAKSKSKMTLVSSNQNESRNSLVAKPMDRSPNSPTIVNNTKYQIVVFLER GKFFNKCTL
HPGEAVNMTRKQTGGGSLKFSYKVHAMIGDERSLPTK GDSIRNVLVKVS AVPAFAAGCLI
SAASAGTMTGPSAALAPLVRGIVVKGVTVSAADIAAGT LMAERTKKVAKILMENHEETVK
CVTGKYKPKERYLSVEGGLLEGPIVVRDISRRKFKRLSITNTKAPMDPSEVYEKLSAASF
DDSETDADSSRSMRSGSAANGGKENERGGTNIKSRPQMTDVKNVLVKS YKLLK KVI SESTT
KQNNASTKAKGKNPMYAAIF

>comp3450_c0_seq1; 161 1 700 LEN=1308; translated
EQEATEQKQDNLEQFSKTASFAPYGNYYEELQLNLVTHQQHYTAMISSSWFMSKTVPLV
ARSILSKSNRATVTAGATLPTRRGYRGDTGEAVNKLTEKEE KLLKIALPKAEKIMKKHIE
LPVDDIATRKRRLIYRAKQRGWLEVDLLLGTWASENVPQMEDGDEL DQFEDFVNMETIDI
YNVITLRLDVPEDMKRDGNGVVERIQEWARSHPLGRGDPDAYKAVKMEHKL T

>comp3451_c0_seq1; 666 195 2912 LEN=3153; translated
MLVQLSPWETASTSIRVPKRRRKRVRGSKGSDKEGDQKEPPSFASHMITMVSKRSLSKMKM
HSQEFAGCLPLLAITAGHQITVLGKNLSTETEGDSYREFTSLRYSSRPGDAGSFFAGPES
DLPRIPAI PDKNDRVYALQQGNQRLACWDSWKTGGPDEASAVKVRLENPAVSMSMLPMN
KGI VYGSCKNGAVYVARMVGGALAVEYLRGKHSKNGKLVGTF AEIDMEQAVRGKKRRTSD
ADGNSSVRFYQVFCGTTITIVRNSAMLSASGSHSNPDKPLIQ TGLVQNAAFVDLLGEA
PANDRDNYELTRLELLVSSSGSAPKISVFTVTATHSKTKTNGYSRRESAKDPFCGTF CM
AISLATGDVSTSPRLRPPGSNQFGLFTESVLSAASDEMICLYDLETSAFLQSVSLEKPLS
DMDKGGNWILGTNAKHGTL CVFYPRDGLLRVALSTVSGLGSSSERLRSSSKLACSL LANT
TGAL ELMGNATDETQYKQGLLALTRLDEAVARALATLDEIRRTLVSQGDNAKSSNKPSFR
EAFYVALSNLTKDTEGSASTGGYPHYHCNGETPTKKMKNGKLN GAVHASLAAKGGKIPPC
TPQSFIDGAVQIVLSTIIIGKEDRNGSNSSSFDELGLDARFVLKDLLRSGRV SARLHFEG
LYALQETGKKHPLAIALGCM EYPAAGNPLSPLQIIIEMILNCTDL SERQLVVMLDYMMRH
AKARDIVKIVREKHTHMVSKDLAALTNGDEKTTVLAGVRV VLEMI VGYSECNEAMLRAAL
VEELSSSVEAVLLARLLPGLLLSNPNRNSPRYFIRSTCLWIAALSE SFRDDL GWARTSSG
ETYLAFLLNSVADTTKNSQEIMSLKDSIGVAEMI QKYKKVKAKKVSSEALQTEELVGYSI
ERIIIF

>comp3452_c0_seq1; 248 1 242 LEN=242; translated
XEEREREEMEKKQLDKKNTKKEEKSDKKKKKKKKEDDDDDGSSGSEK LKSDKSKKKKN
KSKDESDDDGDDEEEAKKDK

>comp3453_c0_seq1; 234 1 925 LEN=925; translated
XAKPAGAEP AEDREQETDDKDDGDASASDAEPDRAAPGFSVLSADDS DSDQAETGTSLPE
PEAATGNALLAQLAKERADRQRQREQQAARPSGPGDSKGS SRQAKRKKKPKGQRLGGGR

NPPPGRGPSSKKEKDETLDDDLDDMAFLDAQVARAQNAHGRRVEGSGTAYRTIVHGILNAR
PEPRHQAPRNARASAAALRAKLGEGAKRQKKPKKKXGPAKCFSSRAARGSSASGSQAKNRYE
KTAGWPAAADGGGMMTESLSDSPETPSVVSRTTRMVRNSSSSSATTVAGENCDDSLVEMV
ENQYLDPSWX
>comp3455_c0_seq1; 73 1 395 LEN=395; translated
EDCAKVGCCHFNEGQCLSSVGRDPCHNVLLLEGYEGWKDGAVVWSDPPSDGKWEACGKVTV
VFGVAICVQTQGANNNKSKCDHIAHVYQLLDNNADGIPDDEQVLTVMVQNRMYLFFVPENG
EESEELWSKLPX
>comp3457_c0_seq1; 230 255 713 LEN=770; minus strand; translated
MLVNGSMKILTRLVEMYLKRALNPFLNVTKQNRIQDLACPTWPAVHTFALTRGAQIVENP
RFGLGFVLITWPSVLDQPLYGPASSLSSFLLRIRKGMSSVVEALNLEQSCEVLNNFNPRG
RMFDTATIVSRFRASLPSRGPSSQFYSEQLDR
>comp3460_c0_seq1; 316 26 1018 LEN=1018; minus strand; translated
MGSKHESKRKNTGTDKHPIDRLMVLVAALFGFRHLLLLAVSFAAFDRAYRTDVLQANERK
ALLLRGGATGAAPPSSTAQNPAALRPPGLLPDREAWHEMTMAEMDENLGCYDRGLPIHGP
EIWTGMREAYVSVVGRHRSTLASVGRDAFSTGLLVPFEVRYSDGRGRGIFAKEAVDKGRV
LYDFSQSAQFETGTDAEFLRILAPELACDVLLWSYAQDLGTETGNQTRSERRETTKGAR
LRIVTDLDPGSFCNDGGYEGGNTGWMQDQERGGASEGGRHPPHVAVLRREEASSGSGFVRS
APLVALKDIAGEELSCVYDQFNEGLGLMID
>comp3462_c0_seq1; 601 1 1697 LEN=1722; translated
NEAHARELQALKEAHAKELRELKEQLDSANTISTASASNNSSNNNSANTASRNEAFRQRW
KNRMNNNNNTIQNNAHTPTVAFSGDTNHETNDYRATEVASTVVSTMSCRELSVARYRAR
LLEQMNRGRGTLVATGAGATRREDSGVDGTNGGSAESRDGNDAAEIQRLLELQQAERRQ
KLEKQLQAGVLAEDIPYQLAKDKVASISKRMNEIGSSGVVHSDPLVQKQLREEYFRL
EKDMQKYISALMLTDEYAEERRSEEEAWEARNKVANQKALETIRRSMPVDVRRLLTPSQLE
DDYGLPGDLVKRFRINVLQLLRVDPAIVAKWHPSSVEALRVGTGLTITERRALHCYLSPV
VCKWNGSETPVVAAGNTGTDAMTQRKLAWFGALRTNFKEALGEYERHLSQRPGPGSCASK
TCGLMGNRCVVRANAANKYPDLGHPSHGAYEAPFDLVAGGGDQKSPAQVIAAXVPQERTDR
GRGGTQGGNACARPGEEGVRAEARRTAEASGRAQGGGLGPERPAGGHCRSPDRLSRILDAG
AEREAAGVAGGRYDAMYKKRYNNIP
>comp3468_c0_seq1; 105 743 1699 LEN=2017; minus strand; translated
MPLEKYSEGALPSNAPEWAVAASQRIQERMAEKGRAGLYDNPPPEGISKILLHSCCAPC
SGAMVEEMLSYTEKYGLEVVIFFFYNPNIHPRREYMRKEENKRFAECLGIEFVDCDYDSD
NWKYKRMKGMFDPERGNRCTECFDMRMERTALYAHENGFDAIATTNATSRWKDAKQVDGS
GIRAAARYEGLTYWYRDWQTDVMTLRKYQISAENKFYKQYCYGCSYSLRDSNDWRRANGI
PKIEIGGDRAGLGNRYFSDPIEDAQEESSQDVVDEFFAQAQDIAAAGSDRTERKNALEMYK
DRKNEKEAGIDFGLNNW
>comp3469_c0_seq1; 146 1 1065 LEN=1065; translated
NRGDVMTDKTLTRMDLSEAI FREVGLSRNDAAQLVESVLGHMSDALVRGEQVKISSFGTF
SVRDKTARVGRNPKTGEEVPINPRRVLTFRPSHLMKDRVADGTXLRISPPMGKAADAFR
TISEVADWLEVPAAVLRWFESKFTQIKPVKRAGRRYRPAADMALLGGIKVLLHDQGMTI
KGAQKFLRENGIQQVSDMSPPLDEEAQGALSIALDVPSIPARPADVLAFTRPDGDADPA
ADPEDTAEVAVEPEALEDGAYEADAEAPLSPQTKAPAPKEDLDAPALPPIEDQTPHEAPP
AAPELSETAPSFHTAPEPEPEGDTAAGAEDETPPLEPDAPPTQTAPHPRAPSDLPX
>comp3470_c0_seq1; 219 1 404 LEN=551; translated
XMIMMMKNNFLALLVLTIAASALVSGFVQQAQSIASAPESTTTAVNGIWDKVVKSME
SGYAGGEESPYAKIKAADAKKEEIRRKKALERQKRGFTLKDVKKKSFFVKKLKYPGAEEEE
EPPAPEKKKLFLGLF
>comp3471_c0_seq1; 1284 93 3638 LEN=3735; translated
MEGGDLIENHRHKQKKEGRGAKERKDDKAKKEGTRKERHNRHRAFSVANIVRTQRTIQRN
LDRSQKKEYVPLTDRRSIDPNESPALVVVMGPKGVGKSTLIRSLVKLYTNHNLTTVTGP
ITVVTSKHKRITLLECCSDDTSAMLDCAKIADLVLLCVDKAFGFEMETFEFLNILQTHGF
PKVMGVFTHLDQFQTAKNLRKTKKLLKHRFWTEIYDGAKMFYFSGVINGKYLKNECKQLT
LFI SRVKFRPLTWRNTHPYVLVDRHEDI THPNETDKNPDCDRSVTFYGVWRGSHMKKGTK
VHLIGVDYNAEISPLPDCPIPDKQKSLKKDALLFAPLSNVGAVSFDKDAIYIDIG
RANYTQKADLQGNDESGEDEEASEPEYDPEEPAGMLKGLQGVD SAVDERMERSTLRLFK
GSKAVEAGSDDDDSDSEDDVPEISTDSMVPYRVRGSDSDGNRAEEDNDSQSGNDESDSD
NSDSEDEDADDGEDDSNSDSSDEDDSEGESDSDSDEEEGDSIERNGISQNSMSWKTGIAD
RALESFLERKGSIVNLQELIYGVDKAKSVNDDDDGNKSDSDDEFFKIKKSKTVSTSDSN
SKNILQSKSLLGEEDSSRLISGERENISMEAWLEEGGDSLIESIRDKFVTGNWSKDGEGD

DEEAFDDFADLETGEKYGPNGEVLSSDEDDDDVEEDSDVEDKDPTEEMTDSEIRAYYAEK
KAKQKGFDDDDYDDDKKSKGMGEMKDDEAENEYLEALKRQKEERMKNHEEFKGDGERSR
LRHEGFRQGVYCRIRIDGIPAAFIDNYNPEQPLVLGGLTPQETKLGFRVCRFKKHRWHKK
ILKCNPLVFSIGWRRFQSIPTFSTEDDNGRHRYLKYTPEHMHC FATFYGPQCPPNTGIL
AIQRMSENISGFRIAATGVVLELDANFPVVKKLKLVGTPTKIYKNTAFVVTGMFNSDLEVS
RFEGAAIRTVSGIRGQVKKAIREGQPGSFRATFEDKIIRSDIVFCRTWMPVKMKEYYNPV
TNHLSKGTSGWYGMRNKALMQLETGTPIEVNPD SIYKPIERPERKFRKLRVPKKLESNL
PFANKPKDDPKRKGGLYERRAVVMEKSEKKKFTFLQAVNTIRNEKVKSRKEKKRLSRIE
KDKKNAKKEEAIAAARKVNRKRQYRAEGKREKMQEAKRAKM

>comp3472_c0_seq1; 386 344 1444 LEN=1540; translated
MTFRRLARTEATGDESEKREQTNRAIQSLMVKHDPILLFASRLSPQKAEAEASALYAWC
RRLDEICDSEENSSKPELVQDQLDVWQERFDDLWSEDETKEGARKTTRVEPTATTYYSEDD
FLMDLALKECIERYQSSGMLTRKPFDDMVQGMKSDAVEKRRIRDMAELELYGYRVAGTVG
LMLPLLLLPEDDANDSSSTSAAEAVKTAREPATCLGTAIQLVNILRDATQDAVLGRIYL
PTDMLRAEGVTEEDEAKWLLAAVGEGMSPAPDGYKRVVEKVSNRGYELLAHAEEGRSTL
PGFPGLLVQVIVELYRDYLEELKRRGYDNLQGGSGSNKGTMDRVKISGLRKAQASLRAI
AKVLID

>comp3473_c0_seq1; 113 1 608 LEN=943; translated
XTIIDKRSDAERDEGSIFGQTAGSSQSTWVECDKCKKWRRLRGIVDSNKLPPKWCYTMNK
NDPERARCSAPEEYESPRTPEKADARTRKHLRVVWRRLQCNEQYESRLPTLTRGKKRS
AGTSPKEPHEWIRCCNPSGKWRILRIMDAKQNVMDLTTDGEWYCVMTWDEKTASCAA
PQENLPAVGCPSWVMQDLEREN

>comp3474_c0_seq1; 235 161 925 LEN=1173; translated
MPLLHRMPSRPHLMVPRGGDQKVEDLDVDEPLVEEPSTEAEAEAEPAKVAKVASTKVVAAPC
VISKVMATLTSVGACYSKQLESRPILTKSYTAGLIFGLSDYFAQKIESSNDVNGSSSSMN
WTRVITSTLVGLLYFGPAAHYWEWIFKLLPGTTLASTLYKAFWQVLFVGFPSFTCVFFAT
ILMQSGNFSLQSWWQKIRSDLPGAWLAGAGYWPVIVDLSYSIVPVKWIPLFVNMAF IWT
IYLSLVANKKSSSA

>comp3476_c0_seq1; 481 50 1282 LEN=1461; translated
MGLIQRLKCEKSDGEHTASTATLTNDGEVAKDSGKCKKTKIRSMKVSCKKVEDGDLD
LTGLDDTNVPEEYWEAEAVVTKIPTEHRDLAENLFCHIWK TQKSVALKLLGDYEQENLS
KTANERFRNGCQKWRQDDYEGAGWELERSLIIREAQRNHQTLNVRYLKQYKEEGDENQV
SKQVSREKEIDEIVQNYANADPTDGKALAKEREDAMPPPNGNMFRVNTLSPSPTESTAQ
LYYALGMVRMSQEDHVDALMEFRRAIQVAALGLGVAHDLTKAATY MIRAALLTMGYRSHE
IRKYLAQLKSNIYHEIEADVLCESGNFDQALEEYADLNF LHDPSQVQARIQTKIASIFE
ARGDYIKAIQIWADILVLYDDTPSVGIHHPLARQVVSRIVEGKRL LHTPY

>comp3478_c0_seq1; 239 1 721 LEN=765; translated
XPDIASSKAIMLQLFLQRVVATWLGLFVGGAAVLTSLRYAGGIYAFLEAEKLERPNYSV
VQRLTDGVEIRRYEPYLIAETTAEDAAGFQKAGKQTFRTL AGYIFGKNKARGGFLSSGKN
EKMAMTAPVRLDGGQKKTTRVSVFVIGSDYTLKTVPKPMEKKVTLRQVPAHTLAVKKFSGK
PPSDERVQKQERLQSAKKADIEVQNGDDTTLVYGYHDPFITPNILRRNEVAVVIDGSV

>comp3479_c0_seq1; 539 34 1173 LEN=1270; translated
MAFAPKILSFVLVALNMSQAAAFVGGTFLSAAEKAAL EKTADAVATAGKGITACDEGPA
TIGGRFEAVGVENSEENRRLYRQMLFEAPGCEDYLSAAI LDPEPLYQRSNDNGVLFDPDLLT
KKGIVPGVPHLKIYTLPGTNGDTVMQGLDSLAVRCKEY YAAAGARFAKWSPLVIDMEKK
CPTDLAIKANMHD LARYALICQSEGLMPIVEPDISLSGSHTLEDAIDINIRVQSELFKAM
IDHGVYMGSTLKPNI VNPGRDCEKSYTVEEIAEANI FVFEQSFVAMKGCNYLSGGQDL
PTAAARLSAINKANKKGPWNLSFWSQALQLPLLDLCKGK GDLQLEEMSKLYVDELK IAG
AAAKGEHEWAKEGGDHEAA

>comp3480_c0_seq1; 355 1 1335 LEN=1431; translated
KRNNHWSKRRKETTSSSHNTFHSTISLAEPK KVVVMDSFLLLLLIAGLLGSTS VVEGFDT
LFGANLNAKSPLVGRVSAGPLEISSMCGTWSWGNRFLFDYDPSQDEEIEAYREVRNAG
VTLFDTADSYGTLDLNGRAEILLGEFERRYLDDELGISSD GDESGQDTPSSWWEFGSKPPA
SKNKNYRPQQVATKLAPYPRVTRNNIVRSAEGSVRRLE QPKLSIAQLHWSTANYQPQFQE
RALRDGICDVYDKGLCDAVGVSNYGPQQLISVAEKFRERE VPLAIAQVQYSLMTYDANGS
TGKTKMTGKDMNEACDEVGRLISYSPLCLGLLTGKYTLKETNRLPKSKARQQLFRELLP
GAQGLLDTLEVV AQDYGKSQSQVAINWCMAGKTVPIPGRTLQQAREN LGATGWSLRPDA
VEELEIAASKVTKPMVQNVFQSRW

>comp3482_c0_seq1; 280 1 1130 LEN=1130; translated
XFCTLLPVPSCGILDGTENTDSTGTTANSRDTAAMTPKTNRAENSFVAISNGEY AIDQLE

RCGKWLASIPRDDITVLRHTIEFQEFASFERLQGAHIRVVVNNQSPNAVGTQISPAGP
RAFGAHPAEANKKPSGLGNAPIDAPHNQHAEEGNGSAKPNRKRSAAHATAVDAGNPRRS
NESNDDDDVSMKDPDGAATRGGAGGLHGATPTSGNNFLRF'TDDVLLRIFEFLLRCRCLI
QASRTCSRFBHQLAGRSFAQRSSDVLQTRQLGSVMQLLRAREQIHYTDEDAAASGTGRTFH
VPVPLLLPSRRVRVANAGDPEYNGVYYCTECSNGFVFTKPRGSAMVRAENGEANNGNMV
VPQQYRDLAFHNNNNNNX

>comp3483_c0_seq1; 218 271 773 LEN=869; translated
MGVKKRKAPTPVSQAKQNLVITQHPSHSYSFAADKIAAENNTPIATTQQQSNKSVRFSNRI
GILSISAHKSYSYNEERQRSWYTTDDYVDFVRRRRGCRCKTQAVRMRAHSFPTDDEGHRN
RESGIDDIEQXHGIPPRPAVDRKLVVVVVVVRNSKDQEQRPNDRELQ

>comp3484_c0_seq1; 402 151 1178 LEN=1973; translated
MESLFFATGASSGVLEATRQLAVHLSRQQQEEPNRNSNSDGSNNQVVIYLLCRSK
EKTQAAIEDIYNSIGENSSNAKNNIKLNFLKFDACDDAETIVNNIQFNNATKIAGVLLNA
GGFGENATGIDKNIKSKTSGSSSNIAKLNIIGHVILVNHLLSVGKTDASTRIVAAGSEAS
FVTQGLSIHAYNAADLRXLHSSSLGSGKMAIGTEYAWTKGILALYWAAFARHHPVEFVTT
VSPGAVSDTQLLSNVPFFLRTLARLSQWSCLGGSHTVQEGAKRYVNALINDIPVGS SGSF
LASRKGFAQDFGDVSSLSKQFVSDIELQDKAWKAVHNSLER

>comp3485_c0_seq1; 429 54 1034 LEN=1266; translated
MRSSIPASILIISSSTATSCAAFSTVSIADQTRRQQHSSCAVLRSSSSEYDSFWNNDIIN
RRTILSTASAVLASSVAVAGLPLPASALVKGVA PPKKSVGDKPKCTNVEECQAMADKRA
DEERAKEESGPPPLVTKSGLKYRDLEAGTTILDPEGTGEDISTTAKDGDGVEVYFKVLKLG
KRSYDGLSGEGTVVFSRGGYLEDDENAAGQKSFQTTVGSFQNI AALNEALVGMKPNGLRR
FAILPQKGWEKATAACDGGPGGGGAGGEIRTDYVVVPTATMVQQEACFDTNKIPFPSTYA
QQRMAQRFDQSLIMEVQLVVSINGKQ

>comp3486_c0_seq1; 126 1 276 LEN=276; translated
XKGGKGYKGYGHGDCGGPAYPPAYPPAYPSHGEGCYEVCYGS GGYGGKGGKSGYYGYG
PGYGKKYYGGKGGKGYGPGPINYGYDGPKYYG

>comp3486_c0_seq2; 59 1 221 LEN=221; translated
GGKGGKSGSYGYEKCEIVCDGGKYGGYPPAYPSEGCYEVCYGYGGDYGGKGGKGYGPG
PINYGYDGPKYYG

>comp3487_c0_seq1; 143 1 574 LEN=574; translated
XAAGDVGNVFC HQVSPWAEFQHTGTDAAVGDCWSGKPLLPGTLVSVGVPRASTSTNTTRP
SDDSKQGDRSTLPAPRPDSKPGTVWDNPSLLAAATATSTTTGGYSYLP PPGTEPPVQTQA
QQMSDAMVLKTMRG TQWRVLEDRSASAFYSGTDSHSPRTCRSLATFAGFAGEFNKGT VSV
EYSCGSSSSSSX

>comp3489_c0_seq1; 567 537 2078 LEN=2251; translated
MRERIVAGNLTDLTAEVEVSVQTTLLKSKKRGPKKRQERKSHNQISFGDLARTIATKWKA
IEPDIKAVYTKFAKAEKSRYTKEVLAWKRKKESELHAAASRPRTGNGSSTHSLSTASLSQ
SWKSLSLQGSFNGTNQADSSSSSLDEV LKRQRDILVEMGFPEKGLRESDAVARQVPDAE
QDPCLQRRATGFFRTGDP IGCQNSNTNGCNGDDNISQNCDTLPENIMFGDCGSEEQRRR
RQQRDQKHWHQHQHQSQQEHQHQHDVEDFQGEVAESQLQPQTKGQHILLRLQEQQLQQLWE
LQKARDETSRMSNITTTNLSHVRQPRISNCDHSNALHLGQQQQRSRIEKLTDSQNQWLS
MMEQSDLVQLKRLEEITKLLDDLDKQQRRLKQLTKDCHDMDESMFRDAGSNLAKSISKTY
DRISNNDFSASTSSDSPNSPVFVRCQLSTRQPTGGLLPDDIAEGHLLGGNNNGLAADFNQ
ACRLNQALQFESAFLSQPCCESMRTEDGRLGSE

>comp3489_c0_seq2; 576 1 1930 LEN=2103; translated
XNSLSDPQAFKNQILKKVFSSTMNATMDVDTVDLLQDCVTTDWCQKEVVTVGGRIEKAV
EYVDLSDSVHTSMSTSTNSNATISTSTHTSINTSTHSNDSVTFAKTRRSWKRPKDKPMRP
LSAYNMFFQNMREIRIVAGNLTDLTAEVEVSVQTTLLKSKKRGPKKRQERKSHNQISFGDL
ARTIATKWKAIEPDIKAVYTKFAKAEKSRYTKEVLAWKRKKESELHAAASRPRTGNGSST
HSLSTASLSQSWKSLSLQGSFNGTNQADSSSSSLDEV LKRQRDILVEMGFPEKGLRES
AVARQVPDAEQDPCLQRRATGFFRTGDP IGCQNSNTNGCNGDDNISQNCDTLPENIMFG
DCGSEEQRRRRQQRDQKHWHQHQHQSQQEHQHQHDVEDFQGEVAESQLQPQTKGQHILLRL
QEQQLQQLWELQKARDETSRMSNITTTNLSHVRQPRISNCDHSNALHLGQQQQRSRIEK
LTDSQNQWLSMMEQSDLVQLKRLEEITKLLDDLDKQQRRLKQLTKDCHDMDESMFRDAGS
NLAKSISKTYDRISNNDFSASTSSDSPNSPVFVRCQLSTRQPTGGLLPDDIAEGHLLGGN
NNGLAADFNQACRLNQALQFESAFLSQPCCESMRTEDGRLGSE

>comp3490_c0_seq1; 371 341 979 LEN=1115; translated
MEYGSVDLSSSSCPYSVWGQKKYSVGEWTIKARSEYSKGYDYDGD SAGTYITVEGSD
ADEETFVWGSVVGKKNVKALKVGAKKIINTDGGKFMVAPRHSFETSETHVCLGFTKDDT

KAYLTLSEDEKSFLVQQQLDDDNSASVKAGCSGFVAATMTNESDLGSTTVTVTPDDIDVE
IKSDGWVAGIKSALSLEAEPVRFKSLTFGV
>comp3490_c0_seq2; 382 94 879 LEN=1015; translated
MKFSAATLFLLAGYASAGSQYSLTLKGGYDSVRSALSPSLTYSGESNGMEYGVSSVDLSS
SSCPYSVWGQKKYSVGEWTIKARSEYSKGYDYDGDAGTYITVEGSDADEETFWVWGS
VVGKKNVKALKVGAKKIINTDGGKFMVAPRHSFETSETHVCLGFTKDDTKAYLTLSEDEK
SFLVQQQLDDDNSASVKAGCSGFVAATMTNESDLGSTTVTVTPDDIDVEIKSDGWVAGIK
SALSLEAEPVRFKSLTFGV
>comp3492_c0_seq1; 525 78 1064 LEN=1095; translated
MRVLNICLSALVLSASAFAPISAPSSRVSSSTELYANGGVVITGSAGGVGWAYAGEFMDR
GYDVVICDVKDCATAAAALEAKHKGAKVYHTQCDVSDSDSVEKLAEFAKENLGTVTHWIN
NAGINGGRRALSEVPISQVELVVKVNLMTLLCTKAAIDLMSKQAGVTGHI FNTVGSVVK
GGGTPGYACYGATKRGLPQLTDSLVELDEGVQGYEKKSTPGTVQVHNLSPGMVFTKLLL
DNSTPELRFKFPFVGLAAQPEEVAEDLVPKILATTTNGGSVEFLTTDRILTKFFERFILQK
KSEYIDDDGNVIKTPGAQYDEDGVRALF
>comp3492_c0_seq2; 260 78 548 LEN=641; translated
MRVLNICLSALVLSASAFAPISAPSSRVSSSTELYANGGVVITGSAGGVGWAYAGEFMDR
GYDVVICDVKDCATAAAALEAKHKGAKVYHTQCDVSDSDSVEKLAEFAKENLGTVTHWIN
NAGINGGRRALSEVPISQVELVVKVSLFGTDGVQAK
>comp3494_c0_seq1; 315 98 733 LEN=1105; translated
MKFAATVLCASAIAGTSAFSPASTAGRRSVSLNANIRDKSEKAEVLANGWDGTTALGGA
VEDAKPSRMLDEIRAAGETIPSECEVFANVEMDADSLKFEEVMDI IETHYEVGLIEFKN
GDIVNKPGENEGSAKLLSYAALSEFDKDTTLKLGWQYYREVLADPDGDSSHQNI RNFMTG
WEGVFPFENGIALTKKCVGSDSDWDWAESWIP
>comp3495_c0_seq1; 191 1 806 LEN=1159; translated
XFTPHKIYVNNHRSYKTIKSLRLYKTTSIMSAVDAFSSNLSTLSYPRTGKRGVPPQFAR
RLYEMLQSEAKIASDSNNGNAYISWSESGFAFRILDVDGFTTSVLPKYFRTKKFFSSQFN
LNLYGFSKVRRGPDMDYAHQSFIRGKPELLLNLRKCSSASRRKMSASSSSSDSCDSSSS
ATHRENTCQKESPVTSPTITDPFLQASKSSSKLLSYDQNTNQTWLSFHHQHLMPKTYL
PKLPVKQPQASGAGRLDLLALAVEHASF
>comp3496_c0_seq1; 359 74 1010 LEN=1010; translated
MRFHSSILLLLVLGLSDAWVTPLTSTNSPLQRSSVTTRTDPTRVAFSSPQQSTTDEYSND
ITEIPMSSEANTIVGATMAALVCFAMTASPETASAAMTTNSDVASSSIVTAGGSVKSAL
FAYGHYISLLGVFILATERWTLESGPNLTDEEEDRLAIADTLYGVFGLLLVYTGYNRFS
DPTLKGIDFYIHEPIFWLKIAMLGVLGAASFFNTTKI IQRVGRYTGDKTVEPMSEELC
NRMKSICNAELTGLLFIPMAATFMARGIGYNESIPWQAEAGVAALIFAGLSFKYIKEALT
FESRLAETTSASX
>comp3497_c0_seq1; 240 145 543 LEN=543; translated
MADAKRSYPTTPRNGRHHSIDPPDYDSPSMRSQRRGRSSQSSSQSFILKAFLGCIILCI
STTSFLHFHEQASERGLRIHRGLDRYVMDMPDESLEDMMMSARKLQRPRPKAGKPQRKII
KLGTDDDDDTANT
>comp3498_c0_seq1; 215 1 151 LEN=226; translated
XGGGGGGGGGAGGAGGAEAEAEAEAEAEAEAPPSSGGGLFGDDGDGDY
>comp3499_c0_seq1; 324 278 987 LEN=987; translated
MTRKHGWKHDCFEPLTIDDYLDGCGSNLFPSENHGDA SF TG V W Q S S P L F L V L E H N W S K I
VEAATATTPPTSVPFSILELGS GTGFLGIHLAYNLQQTLAGAACQESNP THRYKVTLSDT
PRSGAYFWTKANLEKALRGQEREQGDGDGGEKKEAFDCGERRTLAGISSENLCVIFPDW
ACQEQRRAVSTQMDDWDLVIGTDLIYSEEGCHYLQAMASLLNESPPSPSPAATAA
>comp3501_c0_seq1; 451 84 986 LEN=1446; translated
MSAACATPQAIAPSEDPGREQSTHDPLSVSSRKSILADDKSSRGEEPPGGGNEP SDVP GAK
QRRPSKGSEPAAGANES P S S C S S L H A E P P A Q G E S S F L E G G T R D D S C R S G S S R T K P S A A Q T
QTQHFCEMRLRVGVCQTDFAEQMDIFMRCQHPLDILGMFQEDDDDKTDSINASEHNNEGE
GKVVVASAPRANKTSGYHAI PRSCEYCGSPDIDL CEDYSHNT CERPKSFFPREMPFFFRK
SCGTKLPWGGGGGDDDEKENRFGTVFGVAVAVDPAGKTGDAAEDVGGAGPARMACSAWV
>comp3502_c0_seq1; 319 135 863 LEN=888; translated
MNSSPSPISLSRFLLLILGLVYALKPTAKVDGLRSVDKSMFVVFGRPGSGKTTVANKAFD
MLSIEAKNRTEKEKCVALDLDV CVTQLMRDNF SKGIYPTLEERKIFAIDACDYVDEQLAT
ICEPKNEPDKINAIISFSFVNTDLREIFISRFPEAEWILIDTSEEECTKRINEREGHYK
GEVVTDESDTNVNDEADATENEKDNSDWKFAPVTFPHVILNGLDAVEDNAQKVVDKILEK
TT

>comp3503_c0_seq1; 429 338 1366 LEN=1386; translated
MVAENDDVFVTDLARYAIKGFSGDLLDSVLIPGGGVQTFPDDRRYALLKQKNKEKFDEKS
PEWLHKENFLCAFSAPELMASFRSHYEIVVEEQEENKSDDGVAPKVYIRRLTLTYRRSGED
DNDAASEEKPVLPIDLNTQSGREALASFFSYESNEDLVCVTKETDGKVNTFQFGNTRAG
VKNNPGDTRTVHIVNRATVREFSNKIGLQLNPMRFRPNIVIDGLGPWEEFDWIGRTLRI
VPKEEGDNDENASGVQHAHLRLKVLTKTVRCEGIGIDPLDPKTGKLDMPKLLSENYPEH
GPYLGVIYASIEVIGTEQGGYSGDIDKLLSVGDTLSLLDEDNV
>comp3504_c0_seq1; 168 1 850 LEN=1695; translated
XINPTYAIGNPLHFPLTRPCYLKVSNIKLEKTKMSCLYSFQIISYLASLLLLISSGV
IEEVSSHVNDRRCTRRVWVIQISSASIAVAQHPGISYAETRAATNPVEKLMQAQETLNTL
LENYERATTDCTFADVPRELLETKNKELLEKAATNALFDKSASIIETCKTTNRIVRDYLG
VTGKGPLVGIKRIQSGLKVFVDGDFLDDYVSELEGFSSQAYSKATSLSYTAGIADLDSVNN
FSKEDADESKRDNNSNLQQTKEAIEAKRNLDVVILILQKSQL
>comp3505_c0_seq1; 538 110 1711 LEN=1771; translated
MSFSNLPSPSKRRIASFLDYRSALRLSNISRDFHSDLALSLLVPRYELIYSQIVHGDPIIT
GDIPIKSVRIPIFGNPHITILLRCRWKQDQWGERKGRLEFIVAHPDKSTDGCVSVRGKAAC
FESGRVYVESPIASHTFESLSITFSPQQHNEYHLFYLVGGGGHLLIVEDLSIESIVFDD
AENTMKNAYFSLTKNGIICSDDDDNDRDIVFYTKLLMEILKICASNEMECFVFFFEKYK
LRPTDLRSLSSIQRVCSFFLEYLEVTDNDADQAPSANESICRDKIVSLSPFTLLQYSTWE
EEPNTSPSKSRIPFFKRRTKSIRMTCNCHDQCGTSGKGLYLVAERKVLEDEDEPKTQD
PRTPFVLSGRRLVWESPIIDHESTFLETSPAPDDNETYFLYQDRGVESEDEECILHIDSL
CIHLTVFDDEIGSLESCYHELLQRGALDSRKSDCASFQTDLLLASISFLQLVEPSQTTTL
QKFFESTGFGVDANSLRSLKELTQTLPNFQTQTKKSTWLRNGDADLRMFSC
>comp3506_c0_seq1; 434 163 969 LEN=1103; translated
MKFRPCIDLHNGQVKQIVGSTLKDTEGDEKTKEAASALNTNFETDRPAADYAKMYDRD
ALTGGHVIKLGPGNEEAASSALGAYPGGLQIGGGINDTNALSWLEAGASHVIVTSHVFSK
GKIHMERLKKLVEICGKERLVLDLSCRKPNSTDDSYVVTDRWQSFTDYKVNPNENLREL
AAYCDEFVHGVVDVEGMQCGILTDLVELLGEHSTIPVITYAGGVRSIDLELVLKGLGRDKV
DATVGSALDCFGGSLSYDEVVAWHKAQN
>comp3507_c0_seq1; 211 147 361 LEN=361; translated
MDPYVSSSSDKPKKKKKKSKDPYGPVPTEDPYGPPPTGTAGTESGGRSFASTTANFGKQ
KTSRGKSKKAX
>comp3508_c0_seq1; 462 1 1606 LEN=1606; translated
XEPHVLHILAPVSYFSKENSPPDRKFLTRFNVDYVDEAHNLKNAKSTRYKMLDKVRTEH
RLLLTGTTPVQNNPQELNMLSFIIPLFSKAGASFEEKDNYTEQMLKHFVDASVEDEDEQA
AYRKLKQLFAPFVLRKKDDVIHQMLPKKERKTFFVELSKP IIRSVYDSIIRSHFEKNGTT
VNPGTGEHLFTNLKCAHHPLLLNRNWNTEERDLIEDLIRFGAFRGEACTKGRVGEI
KSWNDFDIHLTALNLIDENEHRRPFLQKYVLDQEDLFDSTKFDHLRGLLPRLVKEGHRIL
IFSSWTSCLDLLGLVEYLGIFLQFLRMDGSCPSKERQRLIDLFNSDPSHVSFLLSTKACGL
GINLTSADTCILHDLDFNPFNDLQAEDRCHRIGQKPVTVYKLI TRDSVDEDIFKMQEKK
AKMNAAIMDPASSKKEKNAIILKSVLDRASRASNDGGGGDGA VIGNETDANQPDVLEENA
NGMLWTPVLSHAFYEKHLRGRFQRCEGSRIFLRAAFWQNTANSLIIQVHKRVTOR
>comp3510_c0_seq1; 279 176 782 LEN=817; translated
MSENAEENDANQSKFYRVVSTEAITDSNELFDALSNFLMKDKKRQLSAGYLDEKDQIASR
LTWNNLRKVANSVLDEDCPQREPIPAWKSKKLLLDLDAEKEPPSEYLGGDALSTKQEQP
ESTTRTVTKIEPCTEFKAHENTLTPKQEAKEKKEAKEAKEAKSARKRERAEKREAKKA
KKEAKVKKEKRSIESGDE
>comp3511_c0_seq1; 287 1 677 LEN=973; translated
XKKQANKMKSLSSTKQRTNRRSSLSTPSSSFSRKRRTKRELF SRKSNSTSGLHFLRLRPI
LDVTFASKISSVTSSVLSVALFSAFIVLLSRQNCFHVHYGLGGSLSNLESGLIEKNGFV
DYHFTGRGKVVDQEARIDILKANPDINLRDLGLGFVFDADQFGADPMSVEQKEKSTRLAP
TLTSTKGTTPKWFVGRNDDALFYVTGERIRNALKKMEEQMPRPSN
>comp3513_c0_seq1; 282 127 1272 LEN=1343; translated
MNQSSILSNSTASLVNSTALKISSSSNSTASFIDETVAPSAQTSPTTIPEPDYVFCRHN
CHMRFQELLFVTGLFLLPLLIWCYFAEHRSRNEEDVRESETYEEPSLHATLAGMTREEKR
EYSELQFQRNGNELVLSKDQIVTVEDLDGNHEEGDDPSLYLSLENPSGFASNAASTRTRR
SSFLVFETSDNCGTDRPSLDGISTTTTTTVDVGTGTCICFEDFEAGDTIVRSMDTRSCXHV
YHKSCMDVYLSLQKTPKPGMRGSKDEYHPSCPTCRQQFCKLLPPAAKTREQRDNDTGAI
DAVDLEGGVASAATISTRVSRTRTGMEAQRHESGALTPVPMIAGVREQDLVMSTNAVS
SPPPATSRSSSAIFYDIEVV

>comp3514_c0_seq1; 321 62 841 LEN=2668; translated
MAEALPFQPSVEAVGPEHQSIQNYGSLKGGCGEGEDYDGNKSTVLCDILEHKEMKDSFNG
TYEPDSSTEVSDGNGSSGSDNKNNGDDSDHNYDDMSSCTYDSDDIEARFSDISGKSFHLGD
HTRMSINNILVNQRRTDSFAQYGEDYQLVPTQLKKNVVRVVEDMNMDYGGRRGLYLASYSF
FDNNHETKYALTIQPNIIYKQLFTEVHDAYNVPCGLFFCCHGGDGAHTGVSHNDFVDIKLA
WVVFIFVIGCLLGLLELING

>comp3516_c0_seq1; 473 346 1335 LEN=1672; translated
MAKKKGNNPAKTEEEEEEEKEVVEPTDEELRNHIRRLIPLVNLQNTGVKAFTKLLSKECGG
ADLKSARGKFIKKALSEAINEMDNSSSEEEDEPKKKPPRKTGLSVKKEISLELANFLGVEK
DQLMARTEVVKGMWDYIYKKNELQNPDNKKEIFLDKMKQKVFVGCKSFTMFTMNKYLGAIH
PFKPVDLTTSAKKKPAVGSRRKRKKKGDSDVGGKRRKPKKPGQLPPYRLSNELAEIVGT
QILPRPQVVKAIWAHIKKHDLQNSDKREILCDEKCLKAVMGGEDRVTFMFSNRYITDHL
EKLDRSEYNHDEIEAELAAREEGSDEESE

>comp3517_c0_seq1; 265 1 774 LEN=912; translated
PSLMNLPNAKQIRELKKGYSYGGDDLQVVELSKHFVDHTAEIDRYRVLFRGLSLSVNE
GDFYFVSGPNGSGKSQLLRILSGLSPFQDGTLSLRGKEWKDDFDGYKAVEWRKQIRYISQ
SKVQIPGTTPRFIKKIQSFRSWNTDYDAHSPNSTMKLILQYVFEWGLNVDCLDKDWSFLS
GGESQRVLMIAAMSSRPKVLLEDESTSALDPESKAAVEASVMDFVGNHRGGVVVWVSHDEQ
QADRLVHPPAIEECDAN

>comp3518_c0_seq1; 376 41 1501 LEN=1717; translated
MKPKNDNFIKKKIVSVLVLHYVLTWCWSLSLSYQTKLLVLRQIRSQPNVTHTLNVIAQIDT
KNDAEHVQKPIGPVNFDFKGFSNVIVAALRVCGNANKHELALALELYKKYPSESARAMMISVL
GGSGQLAKAVDLLEDNFCPTAASFNAIAACGKAKNWELALDIYQNKLPKQHSSTLSTN
ALLTVLAKCRKGVQALEILHEMVPSPPTNSSAGCDSVTYSLIISALVRSNMLDEATKILES
LEHPTHNCSAKSIEAMNDMVLAYSQSRSDWSGEMERLERIRQKNNGLVHNQKLENSKLVTP
IIQSDYRFHKWEGIRKVGKGESEYWMIGTYLDRIDGMNVTIGLRPHRNPSTRNGIQLLFFE
NAFEDETQSWTQQKIGFLLMKNNANDRTSSLLGMFLKPTKRGRGISKVCLSLWIWLCLKA
SIVPVTGIIQKPLLALILQHTFGYTGPTESDAHGGVLELVELSKDSEDPDCVVLSPLNKSL
EGAFGPW

>comp3519_c0_seq1; 381 38 733 LEN=990; translated
MKLTMKSTLFLGALLANSPSMTGAFAPSVRSPFAPSLLKAAESEVSFGDLDGSDVRIGI
IRTRWNDEHVTNLVDGCKEALKECNVKEENIFETSIAGAYELPLSARFLALSGTVDAIVT
AGVLIKGETMHFEYISDAVSSGLMNVQLQTS CPVVYGV LNCMNEDQVKARSSGDNNHGYD
WGKTAVEMALLRNEALNIKAMGGSENKLADVGFSSKKEASEGASEKKAPGFF

>comp3520_c0_seq1; 187 97 1149 LEN=1402; translated
MSLEVLNSPPLVGALTAGCYGLLCAAKNPLVLNSASVPFVALKGINAFSYGLSMYSVSQP
GRYDGAASVNGEEGDSKSKASSRDKAAQKGMQMGT SRGR TLVPPAPWAFI IWAP IFLG
ELLMVTVPF LAPGSVPVVERALREIAGPYLLTQIFQSLWAASFRPKYEKGIYRYSVAN
LAGTAASLSVCHRAFASSIHQHASRSYSAFEYALYFLPLSLHFGWTTAASLVNLNGMFAM
ATDDNRKNATARAVALLGHVSVALATGVGVGITWTRKAPVYGGVICWALTAVAAGLKQRI
LASASNSKNDQKIANDDKTVGIYGAERQRTLSLFGAAICASTSAAVMLL

>comp3521_c0_seq1; 34 1 747 LEN=1129; translated
PSTATLKKGARDYAERYAGSAIRFPVLTEAEKSSSLGIAMTFLAGLFLTLSQHLTRERAR
AETIGLKLPPAPSGAGTPDATTRSATHATQTQAPSGGGPGASVAAPPTGPTREAPSAPMPA
SGSXAVDRGLARTEEDEQGTETPNTAHRAGAKNETGLLERAADGPXDDLREGLEAPAETNT
PRLSKQMRTSVFSRQEGRVGWRPSVGDAAADSDATNSTLLCTGMVSIFFAKHSVRRDRVG
SLPQHGGGLW

>comp3522_c0_seq1; 400 134 1093 LEN=1252; translated
MDSIICCKPVDTRDDGDSNVEESSAIDHNGKILECDYDTNCTKLYKMIIEGKQWEEIYVFL
ESGKWYFDTTFLTAMIFGAGPDPRFTESRTWVTALDEMGNVRWCQLPLHAAITFQAPFEV
ITKLVIEIYPE SIRCADQDMLPLHYAFRFGSEDKVLAHILEEFPQAVKKALRDRPLDM
AHYSSKPERGVIIIECYLDTSIEEAKSDWESDHRSIISSIKTKANASLSDEVSTRNKKLRS
VERELYEARKKIQEMEEKLDGGRMGPPSGRYSIPRNSNQRSGKGRRDEISLDPSEVSTD
KKKGF GKMFGRSKKQIVMS

>comp3523_c0_seq1; 186 197 1701 LEN=2158; translated
MRNF TKFLLVFAVLVIVLDLGFVQGFACDKGSALQRDAMTRGKIKVRTVAMSTVTPPK
VSNCAKKEVRNDGENIGYGGSDNRHYKASDDGIPLQCPSSYPSTFGASNIKVSYQRAEK
DDINGDSGAQLLPLQRYHARNQNYNGCTADQTIRETNDHPFSSVQNNATNSGSNFSRDN
YTTKRKTMLVTHDIPDLDFIHDNLSRFRVSKSSQVLLLEEQNEKQSYRKNYPFDNEMMLD
QDSSE RERQKQALLLKG YRLRSKIRAECRASLALSIEETLKI IYCDSHICVVDKPSGVLS

VPGHRNPSLANLVYDTIDPSSYDTEGRIVNVDQTVVHRLDMATSGIIVYALSKDALQKL
QGDFRDRRVQKTYQALVEGHGLSSRDRTGDQSQTLRCCGTTEGEIDVALERDPKNPPYM
RIAQTRAEKQYGGDADEQXTQVLAGGPQTEQDDLVGVPVLRARQRREATDEARAAAPHGPD
APVAGPHQSGTGDPDRRRDLW

>comp3524_c0_seq1; 177 116 391 LEN=755; translated
MAKKASEKKGAKIFKTKCSQCHTVEQGGAHKQGNLYGFYENTSGSMEGYSYSTANKKAG
VTWTDENIFKYLKPKQDRHDI IAYLKKTKCA

>comp3524_c0_seq2; 222 116 442 LEN=806; translated
MAKKASEKKGAKIFKTKCSQCHTVEQGGAHKQGNLYGFYENTSGSMEGYSYSTANKKAG
VTWTDENIFKYLENPKKFMKGNKMFAGLKKPKQDRHDI IAYLKKTKCA

>comp3526_c0_seq1; 670 421 2490 LEN=2538; translated
MPESTPKNPRPATPARGKSDSASDAPVHDLHRRSRQATLTRMRSSPPQSPDAAAGSNHH
GDGMAPSLFWPSNSNPTKKPAASVPGEETPVDAEYCNNEGEEYDDYDEGSYYHDCDYDE
VFDSIVKIYATHNFEPDPTMPWQKQKSYNSYSSGFAINGRRILTNAHSVEYAGQVLVRRR
GSSRKYRATVEVVANECDLAVLTIADETFWTTTRTEYDEDEDEDEYDDYEEDEEEEDGGSEK
GAVAEASPGDDAIKPLSFGALPELQDEVEVLGYPTGGDSLSVTKGVVSRIEATEYAQCSG
SHLLAIQIDAAINGGNSGGPVVDAATGRVVGVAFAQLEHAENIGYVVPVTVVLHFLGLELQ
RHGGTYSVGTCLGVRYSRLENE SMRRYLKLPDAVETAKPNGGKKKSRKKSSNSHAQGGV
VVRSCYPTCPSRNVLRESVILSIDGIPVASDGNVPFRRNGRERVSFSSYVQTKFSGDTV
ALDLWRDGGSLKVDVPLAVSRDLVPPHWNQSPPYFIVGGLVFTALSIPYLEDCGAWGEY
VSDSLSYLMNKVYEPLEKPGDQVVVLINVL AHPANTGYDGLTNLHLRSVNGAPVRSRHL
KELIEAEQQGTHPGASPNGTDSKDTRDTEPRFLRLGFGSKTNEGDGGILVVLETDSIEDI
NREVCEEHSIQHPFYFPPLASNESSSESQS

>comp3528_c0_seq1; 220 1 1835 LEN=2478; translated
XQQQQQRIFPPFLPGKPIGPICLFRGKVSNEILADNLEKISFQWALDQDYAGLKQRMAS
SVTATQIGFVMAEILGRRGPGSLFRLLKKRQWLPEGNRGVPRISFPVDVSGFQIMRLEII
VSLTGFAKRSSVIAAVFDYLGCLRSNPPGRELIAQYCAVAQLYGHVLA PRPPDAIELAFD
GQVYGUIDEPNGVGGYDWRMLMPENLLGVQNLQKTIQTVLNWISDPSNAITIMTASQRAI
LSQHANDLEERFPLFSPASWNISPTTQARYLPQNNVLTGKINEWLITRMSSEGLQPPVLN
PLIPPSLRPPRLTPSLHRSTISNYESSQKGDIVPPIRSLVEDTIDQEKAPLVRDYWALLK
VYSHDDPPFPGISLPRAPPEPSSRSLFVMQLSSRPPRATAEMAAHAHVWRISLEYALMD
LAELGAPAGLAYDISYNYKGMVAFVFLGSLQNIASYARRISRMVDHTNQLLEGPEQVPEP
IIEAAIRNTNRFRMSPTRKAI V TSTLKTQTTAVDAALEGTRFFQSCSGAVCFSSQGDLLAAE
TSLLLADLKEIFRKTGTGINVRPAPAVPEVSDLLYRANWIPRAASVCTVTGSSLISYPVGG
FRADVKEVRNT

>comp3529_c0_seq1; 376 1 2020 LEN=2310; translated
XKTFDVLAVHSSRYMLETLVTFQACSHSSSDFRSTMDRTTPLKRPRTADPSPNTNYNYG
NSISNDEAIRRHIEILTELQQAISSKQVRALRNLHFLRYDPSTRLCRCPASTLECFV
HGKCIQLLCLQLGYAIGRHRFDHGNCRCPWGQNHIEILLISTVLDIFYRYCPELVTEHSIQ
KNGSEVLRLSQEVFINYQREGVGDQDTQEKSGMRGSGDFLSIVSIWHSCSSCSLGTMLLL
QHPGTLKAINYILSSKMHQSHHDTSR IETIMECLGLLKNLTYFGEDHRQEIVDQTNLLTT
LTRLTDIPNKKTRERLSAVFRNLALSADLRSRLTKQTNVLA AIVRMANFGLIECNNLNGH
DSHHENANCKNTLRNISTVANLAIDRSTNHLMVFYGDGILIEELKQFLVQGEDFVLRK
RASRALRLLAKNPSSAPLLIMQNNQLEILSDLALNDENDSVRVEATEAFAACAELIRAP
MTQHNNILDALTHMLITSTRRISPSRVNLDIVARTLQEQASHQINKRAMIRRNLLAALA
NVILSEHATLSAKESVSATFVNLSEEDNQEIISIPIILIALVHILLDRPSVLDANNAVA
NVRASVDRIITSRIRESSVRTILNLAKTPSNRQAMAKQTALIQSLLRFAAASTTNDLKK
QVKTVILQLAAEL

>comp3530_c0_seq1; 259 230 1330 LEN=1414; translated
MPSVPPQDPTIVHYHNETSFSSESEQESSNNAKGSSALYLFGDPSSPRMALCCAGFPDDHT
VFRPFAKLSSEKILVGMCLPGYDDR PADGVPWTEHNPSGYTFDEMVS SIRAAARALRA
ASKAPGDKPAALTGIFHDWGVVPATMWAQRLEEEEEKDKADKSQPPTLDRIVFFDVLMPPP
LDRVQGYNPVEGFTALEAAITVLYKVILGLAFWLRANCSEYLAVVFFLCTVFLKGLRL
DPLYSFDENSPKALYKNNVGHNSERMSLSRIIYMSYPYWNLMRKMGLAGTVHSNWKDT
PILYLYGPNKRTQFHKKQTLRLLEREAKE SRSISQAVAI SGTGHYLYLQEQERCLELIVFR
FMTAKK

>comp3532_c0_seq1; 519 127 846 LEN=1081; translated
MKFTAALVSLSVASVAFAPLSTTTTSTTLSAKIDGRTVESGTVVPTNNFILVKVAPAVE
ETEGGILLTGKAKVQKTEGSVSTGPGKTHPDTGVLFEMPISAGDNVYGYDGTGTEIDID
GEKHTLIRDDDLVRFEGDELTLDSCTIQDAVLVYVETKEVATEGGILLAASSKTESRP

STGKVVKVGPGRCATNGERMEMEIEEGDFIKFRDYAGNEVEIEGEDYTVVRALDILAKF
>comp3534_c0_seq1; 228 117 881 LEN=1043; translated
MNKKSRRNTGTLFPFARTFLQHSVLLLAITLSWPRYSHLRADGFASQAVARPHLSSIAT
TPKTPVSSDSVLFNYNNDNDGDNKNDKSLVDFELLSRRFERADKTLIRDEATLVACYVL
CRFLVYDISSGAKIEPGWEIQDFIWLGTGFSSATVLVIYYTVAGLLSRSFEEQPDYRSWT
SIDDGSDSKDPSSSVVKAVVNVVLCPIWLATEHLLGFGPADIGGNTLSVAVATGFLGFG
SFMALAKILTAGMR
>comp3535_c0_seq1; 1014 1 2687 LEN=2782; translated
NYHDTHYSNESSSSSHEPTEDTTAPLSTTDSPESSATGPADESSFVSMSSSLASALTTQTFV
SGFTGFTTTTIRAKPSQATANTGRISGIGNDNDNRYSNNALQQQQQPPTAPPQNSFLGATF
GPASSGAPPASCTAGERQQRSERILRFASKRLKSHVEDYIEYKCRKRNPHRSHGSSKH
NNYNHNHNHNDGILDVCHSDIQLDSILGNYSYVVSVKRIRTTSGTSRSHSHLQPRSID
PNTVVVKTLRSKLLNDVPMPLAACAADLRKEGLVLAALQQQPNEEDNEGARHVIRILAWA
PTGLEAYSNGCHDAFFIVLEKLEGTLLDTLKEWKALEEFQQRRRRARQRHDKRQQQEQQQ
IESLTEDI ECCYNPGRQSSISIHNEHNVGYEYEPHGKGHNKHKRRSRLGSKNSFVQKK
RSISKALSQQLQKQLLKQYHRFEEGKEQGFEQREDRERGFDCHEHIFPSGSNSAHVHRP
DVDADAAYFWNARLGLLIDLCAVSVFLHSQKIIHRDLKPDNVGFDRNGTLKIFDFDVARI
LPPQAEDPDRFLKTKKVGSPRYMSPEVARGQPYNEKTDVYGLGLLAYEVLSLKRPFESV
PSGRSKNQKSRPNPNHNNSTGVYEDCVPVVVREEQHRDSQRFPSKRSEERRKGRVERLFY
WVRNKDDRANTDGI IQHQKANGNIPKEPINTDDHNSQQPRRLPKYANLRPLLPVATPQE
LLHEEEEEEQVNSRLMFQSRVDSMLPSTSKNPSLWTRKFHKHGQVFGKFSVAATTVVXS
SSLNAGNGTKSSSKQQQQQQRQQQHNNINVVDFETRFFWTQSLRTIIDRSWSYDIPTRPS
ASGLKLSLQAEVDRIINAINILGNTNHSKLSQSAKSCNSGDDYSSSSSLFLDGVSI
>comp3536_c0_seq1; 204 1 552 LEN=849; minus strand; translated
HKGWSEVLCRLLDKNWFEALS AFGESGLAEQLYGLLKDNVWSSVLKELQKKAPSSNLAKL
LLTVLQNSGWLVLGLVVLWLSLVRNRKQITANND SKYSSIVEKKIDLERIRFMKTVY
VITSETSERTYFVALLSHLSLVIVLDAPDVSKQEQQQEQQQQPALAAAFVDSNSNSSSC
CIF
>comp3537_c0_seq1; 251 182 577 LEN=1430; translated
MTSKNVEIRTENAPDPLGPYSQAVLAGNTLYCSGNIAIDPKTGDIVGDGDVQKETQQVLK
NMDAVLSEAGAGPANVVRCTVFLDDLQNFSAVNQVYEEYFKNSPVAPSRSCVQAAALPKG
VQVEIDCIAVL
>comp3538_c0_seq1; 268 141 677 LEN=1304; translated
MAEATTFLDIDFTTFLPNGSKDVPTQAGALIQWVKAYQQSGLLRKFPDCSIIENSSSSGV
FLRVTRVEDDDGGLSGVVENKIRSTMKKIRVEDLGNMQATDLLASIP EEDPQGRGLCDLR
DMEKKLSIKIVFDDGGGHVYLVGDAKKLDKKAFAIRNLLSHYHWRLSGTDVSSKNLCC
>comp3539_c0_seq1; 469 1 1266 LEN=1681; translated
RTAFHWDM SGLPRSFHELSDQLVFPVAQQRDQWQDTLAALPSRFDGLSVQVASQTDVLKD
ELVAKLGSVETSLGEAFISGKAAVAHHTGDWQAASHAKIDQWQNDLAQASGRLOGELAQG
YANIRYAGQAKIDQMQQGFHQDYSQLQVKGGEAIARAKDVVLMKASEFQETIQQSTDQIK
DGAVEMNEQARVLANDYSAEMKDLSQQSYGAFREVGEAKMMHAREGLLSEMAKVRETM EI
VVAQKFTDFQQLSKSTMDGLGKDAIQLTESVRTMFANVGADLEATREIGSTTAPMIQGT
GEFLRDKTAAFRDTSWIEWDDVQHRMGLQGDAADAIGDNLQKWQENTANGLSALHDSVA
KQVAPMDTIGDNINKFKESTTNQISSFESSVANQAASIVRRDNSLTTE SAFLKAMLEEMV
F
>comp3540_c0_seq1; 434 127 1383 LEN=1441; translated
MKEVMADHEFRSDFASGNPFKIAACLNKFRQEHFPEDLRALWPSLESFNPTVVLGGIST
PKGLLYSFDKTIPIYSVDLQVVLPLSDKAPVGLPKLPFGTNKLWVSLLLQKATSAMAARK
KIIKEVLDIDMDGKYEKPAHYTLFTDIPSFPSPHFYGVSTTVITEHPEWPKENFYPCGFF
TIGEQRQEQLMKDESKGYEFGSETCNELTEFLAAGSPPVYLGWGSIMCNSPQWMVSLALE
ALQHVARGVLLGGWAGLSEAYIPDHLKNFCKKNVIFVSSAPHEWLFPPQCSCIVHHGGAG
TTAASIRSGRPTVITPVMGDQDFDAAGVNEVCGIGLRKMSVVRGNTLGD AIKRCL EEEES
IIARAKETGEKLRNEDGCETFCNVFEEWLVHGFASGEWLRKHENLMKKCKESWEAEQRW
>comp3542_c0_seq1; 362 1 1284 LEN=1284; translated
VPSTVPSTIPSMKPTHLLSTSQPSSLPSSLPNSQPSASPSTEPTAQSSQPSSLP TFQPS
DTPSVRPSISEKPSFTGTQTFAPTNPVPSKVPSPDEPSEKPSDEPSSSPSASPTDVPSTSVT
NSAFNP GTTAAQVEDAYTKVVTS MVIGSLTRKLEQDSSPENLDGVDIDVKCEDQSCSFE
SQEDISGKVCFCESCTITASPATQINTADSSSVETDIASGGFSAKLEDEGLDGAVVALP
PSNEPSSQPSGSPSISVKPSLKP SHMPSIVPSSLP SAEPSSEPSVSSSSIPSDVPSVGP S
KISSTMP SREHSIGPSSMASSMPSRSTSNAPSGVVSSAMP SGIPSMALSSAPSREPSGRP

ISIPSSMPSAEPSTVYSNGPSKLPSPGIPSQNPSTSAVPSSKPSVDISNVPSENPSGIPSH
NPSASTVP
>comp3543_c0_seq1; 383 864 2112 LEN=2112; minus strand; translated
MSDVTSPVLRLYSGEHDPLEIMSEICELAKEFDLDWTKFVHVMLEAASTNYSDFGVDTI
ANSENRIEPMKQTNLLIQTALMPNSRIRENNNSESTAVYVGYDTDEDGMSSPQLFTVALS
AAWVVGKNSADFWYGTDDKTDQLKTYTAPTPVEHSWDTFESFFLYPGNGGKISINGSDIL
AKSEGDQNNAFVVGKPLRPPFGPEATTVAQVASASSAAAGGRSPLAPSVYNQNF'SISFY
IEGSKVRLIWRVLLGISVGLVTTVLVGLVEYCTRCRKKKSDGDSNNDTKDPSNVESENGQ
DENGQSDVNTSSVRKPKAMASGVCCGILAGCLAGLYFGFGSILLPTVYDVGVGLAYENPH
FDKFAVCSQWPNPCGTQDAQFNDGYIIDNPAVVVNVGYLQENGVDNQTIKLIVTX
>comp3544_c0_seq1; 234 203 1187 LEN=1187; translated
MGRSFSFSSPSSGSSKIIISPYFIPLFPDSEKPKTADNEPPPNCDDVVQGPSLLRTPAPRPH
TLMIMPGRSLPFWTSDSTPTPSSNPGSSAPPRRRIAYNDPSVSRAVEYLEQHADIIRE
EYLRVAPSLPSDYENLQDHTQGSQGDGKSNNTKLHGDGDWDWHTYLSKGNVQGDVFMKFPET
SKILNDGFRGEENNYQLFEGTFFGFVFFSNLGGGAKIAPHNAPTNLRLRIHLPPIVND
VNPETGIPNCGIRVATSIRPYKQNNAIVLDDAYDHEVWNETAENRVLLVDIWHPDVTQA
EKEAVVEMFQKAKRDGCGNDKTKNQYANX
>comp3545_c0_seq1; 332 743 1459 LEN=1642; translated
MCTFHLMEFFVTAfYNPTVVASDSFLVNHASKAYTVASIIAGTEFWLGFWCGGGGGEGIDD
DAPSNATESGWWVTTIVGIVMVVFSQTMRSRAMMKCGESFNHYIQTERKENHVLVTDGI
YTWFRHPSYTGfYYWSIGTQVVLHNPWSAILFAVAGWKFFSQRIPYEERSLLRFLGDQYY
DYVGRTYVGIPIFVPSIPNRKEGAVGIGSASHQKEEHRTEEAIEIEVEAEKADREKKN
>comp3546_c0_seq1; 282 890 1726 LEN=2589; minus strand; translated
MAMTKRLASSALVEAMGDDASVNCNCYNGDDILSRFLGFSVEARDSFFANDFGKNVHIRR
STSGNDIRDNLPCIDVNEDSNYEKTSKINMKILFDTSEFIALRIRGSMTYLNKAETS
DFCEYIGNRGSVIPVAEENALMPFRNQIEASMRDQLHMRQRNSQEVHLHQEQNEVQAGIN
VYHSGPGAVALNRHFDQYDVFLHLDGHKDWIEIGVFDPDHVIDDDAFMDTTSIDKVRRT
NMTLVPGDVLYIPKGVYHAATTADGYESTTHATIGLEY
>comp3548_c0_seq1; 379 142 1002 LEN=1092; translated
MPMKSNTSNSNNRGRFLLGRAGASLRRSQNSKNKQKTAAGGKLGRDRPRLSPLKENVP
SRSMKTNTSLTLREREQHVTFFHSNQSSVPIRSNFFHSTGFSQAEIYDLEESFKLFDIYG
EGNVQVGLDRSILAVLKQEQQQQSSTAGTKYPYLDRLTYHLSELSDEDTLHMDEYIQLM
ASTTITNSIVLDNKGEENQSSQHF SRVFELFDTEGKGYITIDDLERIAIELGEHDMTRGE
LQEMIDRARGGSDSNGNEVVGIEDFTRMMTMSLFPKDDRGEYEA
>comp3549_c0_seq1; 276 1 779 LEN=1371; translated
XPNFQRYYYRVVLLPSASIIQRSSHCQGMERRRKKKSQPRTIAQFSQKLFLGYLAFTRYE
YRTTPANPFCHKPKIDPLTKNRDTMKSTARTTQLLLSFLCVMNAANAFVTRGPSQLVGQR
QLQPEYRVLFQEPPTLEKEAEKSEAVDEVKEPEEEMSETQKLMQVKKDSGTAGFISYAAW
EMGFWALSVPVCAVGYVQVTGHWPDLGPDQKKGAEAFVNFARFAVPLRIGLALST
TPWIDENIVKRFLKKDDEN
>comp3550_c0_seq1; 461 94 1879 LEN=1912; translated
MCGIVALLLADENAVVNQLIFDGLTVLQHRGQDAAGMVTADCKRLHLRKNGLVRDVFQQ
EHMTQLRGNIGLGHVRYPTAGSSSCAEAQPLYTNYPHGISVAHNGNLTNTDELYKEMLKK
QRHVNTDSDSEILLNCFEAESLNKYQRISADQDDKENAIVEDIFNTCTDVMKECKGGYATT
YMINGVGLVGFDPHGIRPLVVGCRSKDPEDKGTWTSESMEQNSGTCKIDFCMASESVA
IDALGFELVRDIAAGEAFFVDMNTGKCHFRQCLSDESVPACIFEYVYFARPDSIMDGVSV
YESRLKMGKLANIKKIHPDHGIDVVIPIPETARTSALQTAHFLDVPPFREGFVKRNYIA
RTFIMPQAKRKKSVRLKLNNTIKAEFSGRNVLLVDDSIVRGTTANEIVQMAREAGAKKVF
FCSAAPPRIYPNIYGIDIPTRTELIAHEREEEEEIAAKIGCDWVMYQDLDDLEASVTELAR
PDQPLTKFDTSFCNGVYVYTGQQIGDEYFQRLYSLRNDDAKQNRDASDRGKIQNSDGCESV
QNDTRKEYMKELVPVKPCIRILSVYEIPDFGLKEQHILITSKERCHATEIDKEIV
>comp3552_c0_seq1; 389 177 878 LEN=980; translated
MFTNIFLISLLEFVVSLIPATKTLIRHEVFLNNTKKNPDNAQSQHS LAVGTFVEFEKK
HRAHIGKIEEVEHKSNGGTRYGIKSDGHFNIPDKNVHFSVYPPNSPGPAGELYRELII
AHEASEEELQSKLEISPEILELAWEEALENEDASGEHAVSPEKLIELVHSHAASAIEKYQ
AWRLLQSDLAHVFFKDLKDHGRITSFKIKGRKAVETAKIAFCNSHEESDLCLI
>comp3555_c0_seq1; 280 202 1005 LEN=1192; translated
MACHRSVARRLAASIPLVLVAILRSRSCSAFGVLATGRNGVQRGAVLSSEHTLNVEGIR
DGDDFLEADGPKARLLAAIGAPAETACPPRFVGGDDSAAKEEIEQLVGDVSGYVLPLEHP
SEWRLLYTGAPDLLGLEGGPLNRLVSIHQAIIPDREKLEIELEYEPSEGILGLAGSFLDGL

GEDRLVQTVRFGYGVGPMNKVDLELSGTSLSSTRLLSSLLGQGGSSLPPLSLPSPLPFSGF
SVVFNVDGLRVDRTVQGDFLLIYRREK
>comp3556_c0_seq1; 198 187 354 LEN=354; translated
MLLAAIVNTNGEAIIESSDIEEAEKICVNNAGGDETCSPFAVEYEEDEDEDYDDDEEE
>comp3557_c0_seq1; 189 610 819 LEN=912; minus strand; translated
MVQSNLTVPEKQONAGILYGIQIVDERNIETGLVTQKAQKFDSDIDYIVKRSLIPNVVEAAI
APSVGKED
>comp3557_c0_seq2; 166 57 305 LEN=667; translated
MSGAASRIVNYNKRLFPGPVARVPASGIRGYARLAPLEGFTHAAVHGTVLGFIAAAVY
KFGVGDPEAREIAEYEEENPPR
>comp3558_c0_seq1; 196 615 1051 LEN=1094; translated
MGKSKYSQLSLDDFSDDESVEDGTHHNGNGSANDDHDEYVRNQQVLMQQQDAGLDMLES
IFRLGEMSNINISEELGQQNKMLDAMETDLDHAGDELIXDEVDQGADRPERGGDLPLNR
GAFDRSAGAAGPHYIRLNADRGAN
>comp3561_c0_seq1; 131 156 1049 LEN=1440; translated
MPASGDAASRRRQTRLRREYLYRKSLEGKEKAAYEQKRVIREALASGKPLPTEVRASYDK
LQKQIDAEDITDTPRSHIDNEYGDAGLLEPRVCVTTSRDPSSRLKQFSKEVKLLIPNST
RINRGNNRVDIELIESCRQSEFTDVVVVQETRGEPLVCHLPLGPTAYFSINNAVMRHD
LDPPAAMPSEAYPHIILNNFHSELGKRVGNILKCLFPVPRPDTKRVTFSNDNDFISFRH
HMYSKPTHDSVTLHEVGPRFELRLYQIRLGTMDQKEADNEYVLRPYQNTAKKRKMLG
>comp3562_c0_seq1; 503 1 750 LEN=786; translated
KKMDALGLEIPRDTGDYSSVDPGASGIVQPPMDPLDGLEVIIEGTFTVIGILNGIPSRK
SGRFSNMFDADIEVEGIEESEEPPASVVATPPRTEAPQESYGVTDVDDDEDEESLERI
ESEMAKAAAEATAAAEAKRKADKMEALKQRAEAAMARRKQKEDETTREAENAAAAEAERK
AEKMALKQRAEEAMARRKQNKALASEENKEPKEDPAAAEARRKAEMMLKKRAEEAMA
RRRQKKKEE
>comp3563_c0_seq1; 497 51 1259 LEN=1275; translated
MKRTFGAWMATIFSSSMNGATAFALKFAAENVHTPVGKDGEAYTAATKGCDFVIDMATP
LVLQEISEQHINPDRAHFVADYGTADAGTSLGLLTKVVRSVRKRRTSGDDKKEVVIHYEDQ
LNNEWKSVFNHALGNIKVTDAYNNEIDTPFNLLGGVFVEANGVGFHQCYASGSIDLGVSF
TAMHWLSSSPSSLKGSKYMHAARCLDGPPEAEKLQAESDWYKILTARSRELSPGGRFICV
NFCVSKEGYFLGQTDVGVSSMWDSEFAYAWNKLQDGIINEDEQLGVSPNYRRTTEEFLAG
IERCPDLKLVSAEEKIVRCPYREQYIDSDSKMSAEDYAKTFVPTTRTWSHSTFKTALSDK
RSDEEKEKILEQFWSNYEELVAQSPETHGMDYVHSYLVIKVV
>comp3564_c0_seq1; 118 578 1016 LEN=1016; minus strand; translated
MAVVTTRARALESSDRSGMGCCSQRTAGLCVCAALRWFRVPCRTKGWRSVFLPLCFFLG
PADDFAPVHSDPPVGRQSGSLPRFAPPKHPACVTEQIEIGFFESRFLSKQVSGSGCFDGR
QRSVIADKGLRLCTIRHEMHRRWKFX
>comp3566_c0_seq1; 324 101 922 LEN=936; translated
MSRRRLVEIPFLVCGEAAAKRTIGSARSIAFDPCFRFFRRTTERVGVNRNGNTIGTAIGS
AARFSTGSGGSSYSASGPSQQLKSWESGARMVQNTTVENKYLEHIREVHDPHQIKTIED
ELKGSIGKALGKQKQKVLMYARLMEEERQRYQDLLELRGQAREAEPTTPSPAVERTDDV
DRHPELSKIAISHNEYREQCLHARWELIVHRQAVGFIVGNHXYVTDKFPVGDALPVPSD
GEDERATAAASAESKSKKKKVF'TDQLDWWQRIGR
>comp3567_c0_seq1; 234 1 824 LEN=1315; translated
XQQQQQQRREQEPTTEETYKLPRTFVLAGASMGALAAAYASQRILEDSAACSKQPRSDR
PLAQFAAAVAEQHASFVGTLLLSPAVGVDPSVPPALLVAALSVLSWLPAPGVGLEGVTP
TEDPSHYDCPASTKRNYAGPWPLGTSKLLLDATTVFVPGDVKEGSLNPLAAAAAGPALP
HATLVVSGVKDPVPIGAVREFVEHTNSHAAKRGCLGPGIGLAEIENGHSLAPQKQKH
SKGQLGATKKKTLATTTGHVEAFLERCGAEGSS
>comp3568_c0_seq1; 145 1 217 LEN=525; translated
XLCRHCPDDDAMGSQFDIQSLNSNAFDKKAIEVAFCKKIQNSVSKKFATTKSCSIAVESV
IATDVAASKAAW
>comp3569_c0_seq1; 279 1 1395 LEN=1878; translated
LQIGEQETKHNRSVYQDVEGVRGGLLSDNRKMPSYSPSGLRAVCQRLLPINSTYPFLLA
FLFIHSFWIYYDIAITSHHRPRREPVRVTESSPLTPFYPPSPGVKYNNGYARSFPVWEH
PFPCGDLEDIGDEKLQRSRKQVNEGFFYVRLLDASPSICSSVTTRIGRNVARRQLHQSHD
HGGNNRKTVCSTRIGSQRAKQFYARSPQKSFLWSVVREPVDRILISKYYHSRPIEKGGR
ERAFSEFQHYVLDSEHRYGYFRSLGVKRTLNPYEKQHEADTQELLESYDFLGISERMD
ESLAVLKLILNLEIEDVLYLATPKAKGTTTPSGSSIDFYQHWQRTCRAIREPDVTMEMKK

WFHSEEFAYIEADVLFYKAVNASLDKTILEIGRERVETTVRQLKWAQKRIEEEECRGARF
PCSSGGFEFQKETDCFFADVCGYNCIDSLSETFSQDPVFKLAK
>comp3570_c0_seq1; 190 151 810 LEN=810; translated
MALAIFCVSWMAATAPRSTLALSVPFSGVTKTIGGATQHIQSGRPSGIHRIRGTGTGAW
SPPERSNNEGEAVWSPGLRKTMAVGAVGLGAVETGYLTYAKVTGGLPFCGSGEASYSTCDA
VLNGPYAHLPPFFEDLPLASLGFVAYASVAALALSPLAAGDNEGGDATNRVLLAALATSM
ATFSVFLMTLLFGVLEASCPYCVFSACCSIFLAVALIGG
>comp3570_c1_seq1; 159 1 533 LEN=579; translated
XLPSGGNASAGGRTVLAGFAGAVAGAVLLFAVGGADAASAGSPPGSTLAATISGSSRGE
QQLLYAPPEITDSSERALALGRDLASLGGARMYGAWHWCCHCYDQKQILGKQVFDKTSGF
VEYVECSKDGINSQSKTCKAKEIPGYPTFEIQGQLYPQQDLGELEDLVKGLKEASK
>comp3571_c0_seq1; 394 23 1168 LEN=1989; translated
MRIGIIGDGIIGTAIAATLAKNRPSLEITLIDDGRPFKTSRAGQGYLWSIHRFDDAVGLE
TSVMAKNAWRDLGDDGDGDVGGQPLLKKTGSLLIAPNRDASALNDYYQRARNSPHLPNL
QFLSDASTHNFLLRPGFEHGVYSPDDYTCNPLELIEFLRTRKFRLETDRHTVTDLRSELQT
RTAAGGGDPDSGDFCVICCCAGPWINDLEDVNLKPIRGLLLEAGVGDALDAMPSTSTYK
TDGNEEVVKALEQESKLVPMMEFGYGTQGIHFTLSSRDGALLVGASREAVGFSTTDLEIL
EEAILRHADKFVVS GGIGPVLARRLGFRPACFDQKPKTGRNYWIENSASDDRILLVYGF
GQGVLYAPLAAMDVLNTFFSF
>comp3572_c0_seq1; 328 1 966 LEN=966; translated
XSNSNSSNTQVFSIMEKKAIEDAIAMAMSTAVSSPMSSEESSAQSAPASAPIAALRPTPI
AQSC TEDTARN DATRTFE GSELESELESESKLESESESESAAAASTIQEQQEDFKQRNR
QQPPSTHATDVHGILRKSSYRKRQTTSNNFAFRSNLPPHVDTRHGGEFVLEDEYCEYGC
RRRRSPTGNFNGAASSLFRTTLDRTISDKHFRRRNTSTANNESDSSSSGSLNMLFLKSML
GLVVVLPVLLTFLGLPYLLLGSLVWTLIFVARWFRTFVEEEFLFSSRKNGMDNSASRGG
GTTPSLLATATRTTDRNRNRNSX
>comp3573_c0_seq1; 658 1 1910 LEN=1978; translated
XDAGVNDIEALKKMKRELDANRRAMSLASDMEAKRQTEKLMSKIDRMTGDFLRSNEATR
ASTKMAAAA SRAMEGRGLEMGTWGVLGGRTVVADDDLARSGAAGLLGSVGNVREADKAA
NTKTTLDDYNDLGSISSTYREEDPPADVRENRI LIVADTQKDKLAKELVPALMAAFEREK
DSIPDLKFDVLSPTSTMPLGGNDSQCVVVFCTGLSQPDSLKMLDRLLRRTLATGGGKVG
TPPTQLVGVSTLGTERTFGTFPYNMQNFLLGGKLETRRQIEEVLINTVRNRVVEPPLDYTL
KVKEGDFLPDES VSGS GSPSFLTPGDVDDATSVETAARVLLQAI AFQPPARNSTIGLAG
VLPASLLEDPSGSEEVLDQDDFWRETFACLDGP ELWRTVLLLEVETTGEGLPEEELAGT
CDRLLEYLGEWAGVLARSGKGLTTPVKAETEGGLDPASMVTPSNSRTLLVQDGVRLFLP
TKTGKNYASKEEEEEELRREQQTS GSGNRVPPPKTAREGGIDVVVEIADLPGE GSSAPR
RRQLRVRARRTN YSEDAVFKEMSEATILKRLEEALVFKTENNILPPEEKQQA VDWILSI
AGRTRPAGNKTTQTQNKHDHNRVPS PALPGAVPPSR
>comp3574_c0_seq1; 522 54 1652 LEN=1681; translated
MRKELSSRSLFLLLLEGTVLFCCSGFRLPEQPTTQRHHRCCQSSVILSVLADTERTAD
SVSMNTDTSERKFLIHWRGEKDPGYKSFRHLEFESALAAELCSQKLPTSSSLDHARDTT
SDDSKVIPQVNF TNALNYIGNESMTDMNIEHFNEAMQFVSFSSNDSNLLAVSKATVIRAV
ERCSLIHG FYEIVASSDKLDDLADLAIKGGFSDLYEGGAN EKATWCFRARMYNSSVIPE
EHSNKGRGKRYSSRTRSMKIERDGLNALKDLMIRFGGKVNLENPDNKIYIFDGL EEEIDG
VRVGRKVLARRIASGPKIFS IAPAERICITNTPLEPIAAFVLCNIARIKARDRILD PYAG
SCTTLAAAMIAPDAETV GIEIAHNGLVNREHIVEDFTTRNLKLP SQIIHG DSTNVTIRE
TAKEAVGNEAFDAIIADPPYGIRESIGYNENSPLEELFTSIAIDRGATDRERLLKAGGRL
IAFVPVTDEQTLTEMLPHEDLTEKAGLKFVCREQPLNDKLSRWLVSYVSIK
>comp3575_c0_seq1; 400 1 1486 LEN=1535; translated
XTSLGKVFMSNMFERAVESYTEALGIEPMYLEAIAARGSSRIILGKYREAGRDLTTVME
RDESGMFLDVYTG LARILQAREDAVPTGWGPIVERLQRMIP LLEE QHASLHDHQRKGRQN
NIAHGLNRLFHVL FMYHDTKTKD TDAAWENLTKSYHYKM GALPPWNAGFENQKISATKQI
FSRSFFPDGVGSQSEVPIFIIGFVRS GSTLLERVLDAHPQIVGTGENSVFNGLDEIRNK
IVETSLSGDTNQLKRVIASLADGVVDEMRRERWKMVSAGTTGGAGPEEEETPLRFDTKMLT
NYYNVGF I HMLFPNALILHVIREPMDTIF SAYKHEFPAGTLDYTSDFPSLAELYHGYRDL
MDHWDREL PGRVTHVRYEDMVHDMPGVARRIVAATGLEWDDSILDFHKKKHAVNTLSTTQ
VRRGVYKDSLKSWKRYEKHLGPLELIGERTSCGIETTLPGYEKPVEHAASGDGDPGGA
PVAGGTGAAPSEGEL
>comp3576_c0_seq1; 1194 265 3228 LEN=3381; translated
MMSKATGTLYSILVSLVVLCCSKCHAFLPQQT KAPNTINTQIGWFGQKTSAPGHPLSM

GLVDDFVASTDEKTRKSRNEKYLAKLQERVTRINGLEETIEELGDDELQAKTESFKERLK
NGEDINGPLLEEFVAVVREAAWRVLELRHYDVQILGGLVLHDGRLAEMATGEGKTLVSTL
PVYLNALTGETSFVVTVNDYLAKRDMIMGQVHRFLGLTVGLIQSEMKEEERRVAYENDV
VYVTNSELGFVDYLRDHLALTPEQTVLPKGAGEFNGFCVVDEADSVLIDEARTPLIISKQV
ASPATKYQTAFQLAEALKPDVHYTVDLKKNACTLFEVGYRDSERALGIDSLFDIQADGEA
WVPFVEKAVNAKELFEKDVDYALITDDSGNKVGVGIDSFTGRILDGRRWS DGLHQSIET
KEGIPVSEQSQVIKVTYQSLFRQFTRLSGMTGTAMSDADELELTYDLKVVPIPTALPIA
RRDYPDVAFKTRKAADALVKEIKNVGGGQEGGRPCLVGTTSVAQSELIVSKLAEAGIKA
ELLNASPNNAPRESEIVAQAGRTGAVTVATNIAGRGTDILLGGCPKTMARIKLRSVLVEN
GVLSTEEADALPPSPPEDYYPCELNDDVQYMMKDAASLRNQFGSEMTSLGLNEILTIAI
DTTEAEDDPEHILKLRNSAAVIREIFSEITDADRDLVQEAGGLYVMGTNRHESCRIDNQL
RGRAGRQGDPGTSRFFLSFEDDMFVIFGGDGLQNILKTFRVSDDMPEAPQVSEALDKVQ
QAVEIKYQEIRGEIFKFDDVLNKQRSIIYARRRILNMSDEESTAMMRKYNTNVITAIK
GQTNMGKIDAGAIVDKVGQFFPLVASVVKASDIEGMSQAEFLSIAADEVFTTKAEVL
DQQAIAAGKAPNSIGRSARYIILVTMDNAWS DHLQLENLKEAVVIRKFEKGKDPKEYIA
EAFETFDGLEDDMQNNAVFSLWQSLGA

>comp3577_c0_seq1; 593 1 1929 LEN=1959; translated
KKAQKQILNLWEENCAIRKTLKQKKREKRVLVREVKQLQNTVRLDLEDDNQRLSRSDSD
KPSEEDGTVMADTMIGSDEERLIELEEHVASSIRLHNRLVAGSDLDRAEQSISTNPT
SFAAEGSDLAASVAGWPGLQKGGIEVSQPKLLSLDDSDSDESGSEQEDPKDSRLEL
GSLGSSVASATDTHARSIGATGTPASASSVGDGSSSQANPLLLKLDHDESTEIRHLD
PHFRKPPSSPKLVTEHQATSRLVCPLADVDTMGSSSSGNGRARGEGNEELRVHHITFY
SRKIGLQFQKASPAPQKPRGLLTDVLAADLAGGVDGSDKTAELRSVASIASLAGGTNA
RGEEVTCPLALPEDIVLVCGFEGFDDSGVNRPRLGARLVAFDGVSVVEVGKWTFFENISKA
IKSRGRPLTSLFRNDFLTTEQRAILTKAIKDVAKRDPVRSVIQYERPPSATPSLHSALS
YESGHFLNNEGTOGGHHPNAHGEIDLDISIAATEESNCWHRFPGSSSSSLSSFYKENS
RSLPRPPSTSSVSTHRSRNSFTSTAKNYMYSFQEAGSPNRVSSLVNNLAEKVASSSERQQ
RSEIFRGTSPNRKGGSESRRRFGIGINPSGTQQHQDFQSNLL

>comp3578_c0_seq1; 139 47 692 LEN=692; translated
MIRILSAVLWAFLCVVSIPSSSEVRNTAAVTAFAPSLSRHHQKLKVPVDLHVGQLRRTLSP
KIPSVRVVAQSPASARTTCTSLPSAKVLPFVYTGFSGALLYKATRLSTDCSETIVLVAVS
ALSFLNLGPSDNARLASAKRAYKTEPASAGKEKQARQAALTWKKAVRIKIIGQVIGLGR
MVLAKECRGVMKGAAWVMGATLAFMLAGGGSARHDX

>comp3579_c0_seq1; 332 327 1151 LEN=1504; translated
MTLRTSKCSRYNIDQRLTVDAPTEHRPLQHGLNTQGQNGVDCIGHRIVLTNSSNPLPST
PASPRSIFAAYWKTNRHPSSISPRSSPVGEPERIRRQQQRRQIQPKTYSYFHNQ
DPFEYFGIAEAQDNSKTQLHDDTDDSSINSYERVLRQEEAASSIAIHERSSTYPCLSAID
IRSMGTLVSTKKTTSQSDTILFAKASSLQRSCLRKGRFSCNNRKSRENQLQPSKEATP
RASKVSFESVVEIQWFEIPA EKWAPNGWSSWFGA

>comp3580_c0_seq1; 400 1 1708 LEN=1829; translated
XAGLRQPGRRALSPAPTLPALAARSDDQGASAFSGLALLLLGAVSAATDCEAASGSDIN
SDINIDDDNDGPEYTSSEVDRANDGMDGRPVWMTYGGRVFDVTSFVRNHPGGDRILLAAG
GPIEPHWHLYRQHFAASDLPMRLLEPLAIGTLRESQDEVDKMEIEAERERDPYELEPER
RGIIVTDKGAEDRMKVHSDQPMNAEVPERLLTRS YLTPSYLFYMRHHHPVPYLPSEKQIEN
YRLEIDLSEYGKGVVRLSLDDLKSLPKKEIVATMQCSGNRRSEYNVFEKTSGTTWGQGAI
STAKWGGVRLGELLKNAGMGDPVEAREKGGIEHVRFGAIDGMKVSIGIEKATNPYGDVMV
CYEMNDEELPRDHGYPIRLIVPGYAGVRS LKWLNKISISREEAEGPWQRGLNYKVLPPNV
HDANEVDVGGMPACNELSVSSGITTVPEVGLGSAPQPGDVVSVRVAGWAFAGGGRNIVRV
DVTGDVANHDWRAAELGEGRDQRYGRGAWTFWGAEIPARVQADGSVHIFCKGVDMAFNS
QPESAADQWNVRGLMNNNSWYHRTILFNKQ

>comp3581_c0_seq1; 247 345 1333 LEN=1642; translated
MAAMDRTRGNSGISSNNRRNSAFLVQREALKAVANNQPVSGSFRSFETVSTTVLSMADEG
SSPVTDDGGQNSLSSASKPTPSSAVVVGTKNRNFFASLNSKEILNGATQORSALLATMIDE
KKVVPVESGNDALSTATETEPIPTVSYARPGSTQTFMKPGSVRSNAKVAEGTWKVIYAPH
MTTAMDIFRGRFDVYDLPDQTMVSHAYDFPVFGKGYLSVSGTYGSVEGDDSGTYSRV
DFDKAWIKRLASEDSNDSNSVPYGSLSSEVPDSFLKTAINEIGKRAFIESVAVFPVSLDD
DTIVFEFQALGDEDLCPQTIALAATLEHL

>comp3582_c0_seq1; 396 1 1021 LEN=1204; translated
XSTSASTSALAATTTEDPWFSSSSSSSPALATETESAGSVERLKIQLLQLGAALDRGQA
YNPTSGSYEENMKVARDKIGQLLDAADAGDADKDDDVADDIADGANQPPTLPRSLADM

DGEWELVLSTVPHGIFRSSPFFLAIQESYEYAESKTFEDGTSKAGLFFKLHELQTCSWGVS
SKVGRIAQHIDAQGGYLYSTFDTSLSLTVVPLVWGFKLLPTFGGCVVTAASCTCSGKEM
LLEPDTFGRRVSRDLMDVVDYTTSRKIEGLDGLPLLGDFIWRKVPVGAIWKLLPWNKGR
EATCKVYVNYCDGDFRIVQDADGEFFVYTRPVVPRPLEVF

>comp3583_c0_seq1; 213 1 1196 LEN=1279; translated

XCVCAFVGEPTGGTSGRQRLDLDFAAALSNRVHFLSLVAPGSLCTSFLPACCARTLTKNYF
LSHFHSDHYGGIASSWDAGTIYCSLPTASLVHQQLGVDKKHLHPLMNTPTVIESRGRAV
TVTLLDANHCPCGAVMFFFFEVGRRTILHVGDFRWSRDAMLGDPSSPLGSIASQKRALDELY
LDTTYCDEKYHLPEQSVAIKATIEAFETETAKKGRTHLFGAYTIGKEKIWASVALRFGR
RVCVDRSRHRVLSALDLPEEITSLLTTNKEESNLWVVPMGHLNMKKLPDYLGAANSKPFSS
PHYDRIVGYRPTGWSLSSKPGSVLTSRTSKDRRLTIHSVPYSEHSSFPPELVDCIACLRP
EKIVPTVKASASGEQVKLLMGGLRQRQRTSKLFFGKAV

>comp3584_c0_seq1; 166 276 1190 LEN=1190; minus strand; translated

MSRHHTPHTGCSVPNDGPEELCKWASLPCVLLCELLSGTAIHDPHLSGLACRGSSVVFCS
VLRCLPHHRAECAVEHDAQHPVGFNGSAPAHAVPDMPLVVVWHAQRNANHAAPRRV
VFWTRHRHWIEAPSARSRAVVPSCDEEEARTHPCPNGPFRRGGPFVSRCSLIRARPGR
AEPGQVLFASHHIIASSGVSAADVSSSTARLLRKKDKPPAALGSRRETNNHHHHHREWIESG
TAHLALVGNATRNRNATQGIAPAVADRLLVPPHGSSIEHATRWCDASRRVALCTSPTSIII
IISX

>comp3585_c0_seq1; 436 153 1364 LEN=1451; translated

MTNETTTIQRNPLVLNETIIPRLWSDLLHSLKFASTYASSITKIIISVVPPTVIDAGNATI
RSRPVARRATSCQATAGTTNNSISSTHLGSKLAGDMLVAATVTFGVSPFLTVDKAIIVES
TAGTNSILQSSINSLRSMARNPVEYVRSPTFLLMWGVYSATYTTANAFKTL EEHATYSRD
RSSSSNTTQKSSGMFQMGAF LGTTVVNSGASMLKDRAYARMFSGTTSSTSFPKASYALWA
MRDLSVISSSFLLPDLVSAKLVEHSNGEIDRERALSFCQIGLPVLAQFVAGPFQYLGLDV
YNRNLGHMTTPQAIIVDRSRQLTRGVAPVIAARVARIIPGYSIGGVANTKLRTAWRKKLLE
RDVAAMMKSSAANGRQSGGSNEYATRMVALLHGSNQGETKKRS

>comp3586_c0_seq1; 542 139 1368 LEN=1658; translated

MRLSFSLLTAFLLAVPSATTTAFSTFAASTGSPNPQHSQRHSQRLSPKTATKMSASLKP
YIETLIAGERSLTTDETKFAFSEILQGADEVQVGSLLTLLRQKGETPDEIAGMVQAMNDA
CNAVDLGDRLKLLDIVGTGGDGADTINISTASTVLAACGCTVAKAGNRSVSSACGSADVL
EALGVKIDLDPSQVVECVDKVGVAFMMAPVNHPAMRFVAPVRKKGVRTCFNILGPMNTNA
AGAQRVIGVGFHPELLELMAGALQKVGRVDHAVI IHGVLDEISPLGPATILEIKNTAAE
GEAKVYETNRFEFDPEVTGIPRCELIDLKGGGPKENADKFRDVLLGGDHTDAKRDSIVLN
AGVGCWVYGLADSI EEGCKLARETLNSGKASDLLQDWIAASQEIASE

>comp3587_c0_seq1; 54 1 326 LEN=350; translated

XIPYHTIPIDQSNGTNSGTLRPNDVPGENETKNAARGTVYFVSTDRPGFRTGWRVSMVET
GHITEEYSPKLRMCSGAHSMPIIPPERYSVFFCACSKNATKTTTTVR

>comp3588_c0_seq1; 253 1 572 LEN=572; translated

NNNNNNRNNKNTKLRTRQQPCNRRESRFPCVSEERQRQEQHPEQQEAAADEELWFGYNI
LDGKQPRNSHGVGEISDALATESPEQAPNPTVPPTTEHISKHSSASIYRNIELIEATYAA
LDHNETELESILDEAAGETTNETE IADHP IWEDNAIYYPYEETEVEFVDTTNNQYNNNGTV
AIVEDGLYNDX

>comp3589_c0_seq1; 330 74 979 LEN=2544; translated

MGEEAIIRCGTTKGDITLKFIREWSPNGYDKAVELFERHYDHSFFRAVPKFLVQFGIS
YSEDQELVSFGKLQIKDDPKHDPPIEFHPIISYAGSGPNSRSTSQLFISYGSAKSLGREL
WETPIGKVI EGMVAEQFYSGDMPPWGGKGPVQGIYNGPKYIEDNFPLIDKFLECEVER
TNSGEQSPSGSDEKAGSTDDGEKSSADLNEGNDDDAHGMDDPMNGTGAPKEKKNHYS
DRSEQKIDKFYAVPQGLHEKSLRLRGNFDSNSFAFPAGVIFVMVLLTFILRGRKISAKE
N

>comp3591_c0_seq1; 106 1 144 LEN=1854; minus strand; translated
VSTGGNSGMPNDCEGCGSLSYTVGDFVGNDDFFYRRQRVAQF DAVVS

>comp3592_c0_seq1; 498 385 1764 LEN=1852; translated

MAVIAEMCPKIRVVVDISQKQIDAWKTDELPIYEPGLLECCKTRGKNLFFSTELDKET
DEADVIFISVNTPTKTGIGAGSAANIKNCEL CARHIAKVATSSKIVVEKSTVPVRTAEA
INRILSANEQKPDVTFQVLSNPEFLAEGTAMSDLHNPDRVLIGGPQTPEGLAAIETVVS
YANWIPREQILTTNLWSSELSKLVANAFQAQRVSSINSISALCEVTGADVTEISRAGMD
DRIGKRFLQPSVGFSGCFQKIDILNLVYLCEYGLQPCADYWRQVIQMNDFQKKRFSEEI
VSSMFNTVTGKKIAVLGYAFKKTGDVRETPSMFVVRDLLEENAKIHVYDPQVSREDMWT
EMSYTCGINHENTKNLDELVTSTDPYEACKGAHAVCIMTEWDEFKTYDYQKIYDSMQKP

AFLFDGRLHLNHKELRDI GFVHAIGKPDPIKFPGSTIL
>comp3592_c0_seq2; 414 782 2087 LEN=2175; translated
MEDDELPIYEPGLLECVKTRGKNLFFSTELDKIDEADVIFISVNTPTKTKGIGAGSAA
NIKNCEL CARHI AKVATSSKIVVEKSTVPVRTAEAINRILSANEQKPDVTFQVLSNPEFL
AEGTAMSDLHNPDRVLIGGPQTPEGLAAIETVVSUYANWIPREQILTTNLWSSELSKLV
NAFLAQRVSSINSISALCEVTGADVTEISRVAVMDDRIGKRFLQPSVGFSGSCFQKDILN
LVYLCETYGLQPCADYWRQVIQMNDQKRFSEEIVSSMFNTVTGKKIAVLGYAFKKDTG
DVRETPSMFVVRDLLEENAKIHVYDPQVSREDMWTEMSYTCGINHENTKNLDELVTTST
PYEACKGAHAVCIMTEWDEFKTYDYQKIYDSMQKPAFLFDGRLHLNHKELRDI GFVHAI
GKPDPIKFPGSTIL
>comp3593_c0_seq1; 299 1 849 LEN=984; translated
RNRNIRIMAPAVATRRLRKE LINLKTEPPPGIIAEPDES NILKWHYAIRGPTETPYEGGI
YIGKIIFFPEYPMAPSVMYMLTPSGRFQISTKICMSMTDFHPESWNPWKVATI IQGIQS
FMASDELTTGGLRASEKDRKTF AKLSMNYNQKHYPKLFEGDIEAALEAADQACGKAEMEN
AKTSCSASNDQKASSRRSRMARKAASSGGNF SQDDENASSQDNGDDNNQTDNNDAPS
TTTEKELTPEEIEKRRKNAKRAKQAKKAAAVTQEKGTPE
>comp3599_c0_seq1; 297 1 1408 LEN=1483; translated
XGSASNTTNP I PGHQLSQSYTAMAFKVQNLDLLASRVASHVLRYNVAQAAAKRIPLASAS
ASASTSQPPPPRHELILYDFEGSPWCRLVREYATILDLT LHIRPCPRETL LFGE GAFSAK
SRFRPEAMEWFKSRCYRCSRETDLCSANSEAI IQSTIEEDEEEV DNRDNLTFPLLVDRT
NAKISTEENSKFSDHG VVLTESYDILCHLWKHYGASVVQSEPCGGSGNSRRRDPQTVN
SSSVFPPIRFLSLAGPSYLRPWRPCGLMRFP CSRSTAAVPLSSPEEPGGRPQQPALTY
QAEGCPESRLVREVLCSLEIPYRSVPVADGSSNRLPNASDSRNHGATDDARDGGKSLRIP
LLEIAPPNDSVIAATPETAGTSSSIGVIYRVGARECVDYLRDNFYRRSGAPKHHDDHGRD
GDTPTWLDPLPEENLGRGSDGDGNSLAIGAYTAFLKGSRAFPARAMK
>comp3602_c0_seq1; 270 108 752 LEN=1083; translated
MAFNNDDEIEEVELYSSSRERQAYDDQAALYAIILATEHLERAYS RDAITQQEYVQECNK
LISQFRLAEKAALPKLNMTTESFMELYQMD CPRATERLLNMGVPEPIRTATGQTADVAVT
VAKTVENFITAMDAVKIETR FVDELQPLLSDLMDSLTKLPDIPDDFEPNHKVKKWLQKLN
GMRAIDEITEEDSRQLSMDLDSAYVEFTRYLKS
>comp3605_c0_seq1; 247 436 1085 LEN=1188; translated
MRQLLREEKQPGTLPAPNLSTSHDISIISETFDDPSSLLLGSGSFGQSDSRLINSLIGG
MSRRQKSSGSFSKRGGIRNNTTSAKVASYRNLKASAALRQTQQQVNVHVPDADDGSDS
GSDDDDTNCEKRLWKLNCFRKPSKVTKRNSIRTLTHETFPMLTSEEEEKRWLAYGMKPIV
EARSLASGSIISMSEPLLLPEKKDNSMRSRQPFPRPT
>comp3605_c0_seq2; 518 198 2051 LEN=2154; translated
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NKNIKTIDGDALPYNNGFFDSSNDHLSTDSAGNSVGT PSSVYMPSSVALSRDMSDLSGVS
GDRHRSSSSHTIPGQIFDSRFLNKPWKQAYTLSNSPPECVNVGTRTTSSNATGKNRGRSD
GNDKSEGKKNVKGTSIWVQPNDVVEIFDSLESSLGLDRFQSMGGKHSRIPIMVLLMNP PN
QSYELMQI WDRANDSIRD LVHVLQHKLP SQWKQAYDGLFQVRGHRFTQLINI IRLVKYD
IQSHEILVAKPWAMTAKVTIAFAGSAIRHLTRVGVI AVDNNDSGSIRSGRYLRTQHKNE
VPLLLSKRARDRAYFPEGILNHHHALQFVTFSPSFEP THNNNEAATTRRKAARNASAPNL
STSHDISIISETFDDPSSLLLGSGSFGQSDSRLINSLIGGMSRRQKSSGSFSKRGGIRN
NTTSAKVASYRNLKASAALRQTQQQVNVHVPDADDGSDSDESGSDDDDTNCEKRLWKLNC
FRKPSKVTKRNSIRTLTHETFPMLTSEEEEKRWLAYGMKPIVEARSLASGSIISMSEPLLL
PEKKDNSMRSRQPFPRPT
>comp3610_c0_seq1; 128 105 577 LEN=577; minus strand; translated
MGKSCPHDVHAKLSSMPIKSDSTRLD A ISFALTQVKKRLKHTPPYFTTTVWPLSDLAAS
AMVSATSEKFSGAAETDVFETAPGARGARADDGKAKPDATDAVDAATMRTDASDFMFVRL
VFSSFDLVWFGSVLASGGLALRSSFDRSRLRKASANX
>comp3610_c0_seq2; 505 127 1134 LEN=1392; translated
MKSLASVLIVAASTASVASGFAPSSALAPRAPGAVSKTSVSAAPENFSEVAETIADAAR
SLRGQTVVVKYGGNAMTSP ELKAGFCQDVVTLQNLGVRILLVHGGGPQINAMLEQVGVES
RFEGMVRVSSKEVVDVAEMVLCGSVNKEISS TIC SAGGRAIGLSGRDSSLQCVKKTND
GYDLGFVGEVESVNTKLLNDLLDMGICPVVSPIGTGIGDEKDIAYNVNADVAAGRIAGEL
RAARALFLTDIAGVLDKEMKLLPSLSCADVESLIEDETTITGGMI PKVSYATS AIELGVGG
AFITDGRVPHALLKEVL AGGAEGSGSGEGGTFVSK
>comp3611_c0_seq1; 252 1 354 LEN=354; translated
ALLKQKITELETSVDRFENQEALLREQIYEEFEAKKEEETIAVNAENTVSSDQYREQEEE

LQETKKKNKEMEQWLTKVVEESTKRETLKKKVTELETSIDKFENQETLLASKVVEES
>comp3612_c0_seq1; 703 1 1639 LEN=1831; minus strand; translated
XCVLSIASFLGNVGVALTGFGMAIIYLFVYQIIVLAGYDGNLRYAVFIQALALFSAQPLL
LRKAEITKHASWKILHYFIPITIIISTPLGQLTGDAISTDLIEIVAGFLVTFVAVFEMYQK
RKLFAKRFRKWCCSVGNEEEKKEPVDEENPKSRDTGEETSTNISRDTSQONVLLMNDHNG
ETNAENDASLLHTPEGGFFGQYNLGTKTLDNFSFVVKLGTKKKCTRKSFAIKIIDKSHLL
DDEAEQLQEEITHLQQLNHPNIIYLQDLYDEPQKYFLVFDLMHGGDLLARLSGVRFFSEA
EARRIAKDVLGAVRYMHDHRIAHRDLKPENILLASGDADCEVKLADFGFSKKEVRPNSFV
TLCGTPGYVAPEILKGTPTYGCKVDMWSFGVICWVMLVGYQPFRGESEQEVQIAIVRGKYD
FDEEFWEDINDSPKEFITSLLVSDPETRLSSEEAQCNPWFSEYKCAERIVDETTVPVFFM
VGSQRSGSNWLRMTLNEREDLGGPHPPHIMREFMPIIDKFGDLSDDSEFRILLDHVCTFV
ERNQVPW
>comp3615_c0_seq1; 330 1 2203 LEN=2203; translated
XSPIVKATQIIALLSFVVFPEASLLDISSGVEIYPDLWRRNLDESTLLIAFSCTLRRIQG
LLAILAVFLLVITSSNATEIILNFTAVNFISLLDDIAFDLAKDGKYGRKLVAAKRVENE
ALPRYTVSRNSFLRHKVSVCLVSIILFGMLSIVILCQESSQTWITRIVQIRFGNKDFKAL
SGCYDIIDELTDNGRYNYEISDKLHQTTMRMFGYCKKSRRWVLFSGRHLNGTEFDDPCLA
DEYEIKARSSKTDSDIMYSLDEPWYSPSGEALDFTLVLDLEDNQQKCNSVVGDLGNEFF
NNEYHRYDDGDCCFMTCNSTNCGKNGYKFTPLFGVTIAAADGYPRCDLKAPDSAGLKYYF
IRLDSISISDRESNPFVLECDGKMVFSIPVDQEMQNKTEKAIVPKEGKCTLNLFELKRSQ
EIREFSWDLNYSIYSAGKDIYRQEMGEKIFKGHSSSEKSKEYFSSYDLGSEDHLSSNIG
TLLHGNTSLDLYDMQLDGTLPTEIGLLTDLTSINLCGNSFKGGLPSEIGFLTCLTEFDIA
CKDIDGGNANITDGLRGTLPTEIGSLSDLTSIRFGIRSFTGTLPSEIGLTKLSELDHKS
SFTGSLPSEIGLLTNLAKLDFNQSSFTGDLPSEIGLLTQLSELRFYNTSFTGVLPTIWS
LTNVSKIWCGNSTFNGSLPSEIGFLTCLTSLVLFNSGFKGTLPSEIGLLTRLTFLRVDNN
HFTGSLPTEIGWLAX
>comp3616_c0_seq1; 505 145 1952 LEN=1952; translated
MTSKEGIDSNPVEREDIEEAIDTAIVKRKDDDDSDCKDEDCDRHEVDETNPPYLDIFIRAKT
KGWGWIIICSAVIVAYSAAFIILDFRRALFLFVVEVLVVTLVAFQYVTDRCLEQKTRIMD
SIIDWFVEDLEESKIAAGVLLVAMIAIIGVMTRDPMNLVSASGLVVFLGLSWLTSYKPS
VRWRPVISGVFLQFLGLVILRVEPIAQAFQWLGDQVAIFLNYTNFGAMFVYGFADSSL
NETPLATADGGEYYLPPFYFTVLSVIFFFSSVVSILSYIGVIGYLVKKVGLTLAMLMGT
SGPETFNCVANMFLSMTESPLLIRPLLSEVTESELHAVMTAGFASVAGSVLAAAYISFGAS
PSDLLAASIMSAPAALGISKLIYPETTVRRDRESLFDLEMAKSVDPNIVAAASSGASLAV
DMVLQIGGQLISIVALVAMVDGFLSGIGKLDIVSLSFNLICSYIFYPFAFLMGVPMADCL
QVASLIGTKIVNEFAAYAQLGVMIREGSLARSITATIYALCGFSNIASIGVSVAVLSS
LTEPRMKPIIVRLVTSAMIAGNTACFMTACVAGLFYTTSSIASDPNNIDPLVDQAGNMTAS
EHX
>comp3621_c0_seq1; 239 1 988 LEN=1591; translated
XNSNSNSNTAETDDDRDFVQLDLSSCNVLDVAGGKELAFQLLNLNNAKTCHVIDPRPLSL
KRFRGRLEKGFYHRSQGILTHDVVRPLTEPERPVDQLRCLFSELWETEPDSNDTNNND
DNDDGDNDANPQKIKPKRDLRKEFFQNCYRAQGWVWPPVGASNEHAAMGDDDRDEIVRK
RPSANATAKANGSDPTPTPSGRGTIDNKENESSFTPTFDHASEVVRKADLIVGMHVDQA
VDAIIDAALAMDISFFVVPCCVYSKEFPFRRVPLVLEGGGCGDGNKQRTKPVTTYEELIRY
LKAKSPDIRSHVLPFEGRNICLYRVVGC
>comp3625_c0_seq1; 657 401 2454 LEN=2454; minus strand; translated
MKWTFNSVMLSTILFSTARHALAFVPGVQRAASRQMATAAGSSFASRYSMRPSSTPARLM
ATVAPEKQAEDKDTDFDELPTNDNDNDLLRIRHSSAHVMAMAVQKLFPEAQVTIGPWI
DNGFYDFFFPETIDPETGETIEARKLNDQDLKKIKKQMDKIIQKDYPITKEEVTREEAE
RRIKELNEPFKLEILEGLQEPITIIYHIGDEWDLGAGPHVESTKQIPKKALALQSVAGAY
WRGDENREMLQRIYATAWKDPTQLKQYKMMEEAKKRDRHMLGKLDLFSIQEDAGGGLV
FWHPKGSKVRKIIEDFWKTAHEEDGYDIIYTPHIANLDLWKTSGHFDFYGEDMFDQMDVE
NEQYQIKPMNCFHCLMYADELRSYRDLPIRWGELGTVYRCVLIITCCICCESMLDIIVL
DSQHKIFTDFLHNRYSRGLHGLFRVRGFTQDDAHVFCLPEQLEDEIVKVCDLIETIL
TKFGFDKYEIMLSTRPEKAVGSDEIWDAAATIALRGALEKKGWYDIDEGGGAFYGPIDL
KIRDAIGRQWQCSTVQCFNLPERFGLYTSKEGTERPIMVHRAIFGSLERFFGILTEN
CAGDFPFWIAPVQLKLLPVTDSVQDYCHEIAAKAKKAGIRVEVDRGTERLAKQIRNAEQQ
RVPIMAVVGNKEVETNKLAIRSXX
>comp3626_c0_seq1; 220 77 622 LEN=894; translated
MGKELKVEFGRINQDNIEQLRKVNLCFPVQYQEKYKDVSAVSGEGLCKFAYWNGFVVG

AASSRIEPIINGSNGNTDEPKNDNESNEKRIYIMTLGVLAAYRGRITIGTQLIQSILDYFEE
NKNESPELKDVIEISLHVQISNDDAIKFYTEKFGFEKGEMVENYYRRIDPPHCYKLYKKV
R

>comp3626_c0_seq2; 203 303 806 LEN=1078; translated
MVCWQLRKVNLCFPVQYQEKYKDVSAVSGEGLCKFAYWNGFVGAASSRIEPIINGSNG
NTDEPKNDNESNEKRIYIMTLGVLAAYRGRITIGTQLIQSILDYFEENKNESPELKDVIEI
SLHVQISNDDAIKFYTEKFGFEKGEMVENYYRRIDPPHCYKLYKKVR

>comp3627_c0_seq1; 486 42 1439 LEN=1598; translated
MVDESQVISRFKDNQSHVLKHLDTLSIEAKSEFLEQLNSIKVDELSDLLGAAMAEQQNQ
DGNDDINPFSKDVGRTSKDKDESASAYEEGIGAIGRGEVAALVLAGGQGTRLGFSGPKGMY
DIGLPSGSTLFLQLLAERLKRLLKIAECSTLPFYIMTSPINHEETTIFFKENNYFGLPEND
VLFFQQGMLPCMNDGKIILERADKVAMAPDGNNGIYPSLKNSGMIDDMVNRGTYIHVF
SIDNALTKIADPVFIGHCVKTQADCGNKAVWKKGPHEKVGVLAEKGGKPCIVEYSEITTE
MAEQTDGEGRLVYGAGNICNHFYTLDFLDCKVVPNLGNMYHIARKKISYYDEESKSTVKP
EANNIKLESFIFDIFPMSERMAVLEAQREEEFAPVKNAPGSASDSPDTARVYLSKQAQK
WVIEAGGNLTGDLESQCEISPMTSYGGEGLEDLVRGKDIHCPFSL

>comp3627_c0_seq2; 407 42 1346 LEN=1441; translated
MVDESQVISRFKDNQSHVLKHLDTLSIEAKSEFLEQLNSIKVDELSDLLGAAMAEQQNQ
DGNDDINPFSKDVGRTSKDKDESASAYEEGIGAIGRGEVAALVLAGGQGTRLGFSGPKGMY
DIGLPSGSTLFLQLLAERLKRLLKIAECSTLPFYIMTSPINHEETTIFFKENNYFGLPEND
VLFFQQGMLPCMNDGKIILERADKVAMAPDGNNGIYPSLKNSGMIDDMVNRGTYIHVF
SIDNALTKIADPVFIGHCVKTQADCGNKAVWKKGPHEKVGVLAEKGGKPCIVEYSEITTE
MAEQTDGEGRLVYGAGNICNHFYTLDFLDCKVVPNLGNMYHIARKKISYYDEESKSTVKP
EANNIKLESFIFDIFPMSERMAVLEAQREEEFAPVKNAPGSASDRSVVFYTCIASMFFD
RFKVVVFNILLLCNW

>comp3630_c0_seq1; 366 195 1373 LEN=1466; translated
MTTGTATQQKWNRWGTSSYTVMPHVSPESKAIETYQLRPTDVVLSFPKGTGTTWTQTV
CEQLRTRAEGYDGFGDITERQPWLEFAHDCGQDLDDGLYDAYKPRIFKSHQLLSAINPGG
KYLICIVRDPAAATLLSWFSFQKAKGRPGYAEYKDANEYIKHRPELFGGHHIFGTNLWQMYA
EIWSARNDPVSVKVLVYEALIAADGPNDYMDHLPVIHDFLGLRNTNHTSPEEDEETKTLYQKV
AFLVSRAEMVRHAEKFKDTFIAEMGKKHGRALRIMEPAAKVRSKSDKRAELDEDTLWLE
DQWLEKITPHTGHATYDEFATELSDLFFEGVVDEKQVEKAGAEPLPLSHDEIEKKQHRPS
RKSSILVRRKSSIVVQQMPSIRQRRETLAPLD

>comp3630_c0_seq2; 246 195 1484 LEN=1577; translated
MTTGTATQQKWNRWGTSSYTVMPHVSPESKAIETYQLRPTDVVLSFPKGTGTTWTQTV
CEQLRTRAEGYDGFGDITERQPWLEFAHDCGQDLDDGLYDAYKPRIFKSHQLLSAINPGG
KYLICIVRDPAAATLLSWFSFQKAKGRPGYAEYKDANEYIKHRPELFGGHHIFGTNLWQEV
KILPFRSELRLCPTLSATSNFLRLTNDPTRXSQMYAEIWSARNDPVSVKVLVYEALIAADG
PNDYMDHLPVIHDFLGLRNTNHTSPEEDEETKTLYQKVAFLVSRAEMVRHAEKFKDTFIAE
MGKKHGRALRIMEPAAKVRSKSDKRAELDEDTLWLEDQWLEKITPHTGHATYDEFATEL
SDLFFEGVVDEKQVEKAGAEPLPLSHDEIEKKQHRPSRKSSILVRRKSSIVVQQMPSIRQ
RRETLAPLD

>comp3634_c0_seq1; 112 516 695 LEN=839; translated
MIFKGQDAWRNHHLFQRLWASFPFGFRNAVFI FGAYLVVDSVLEGMKPKSAKIEHGGHH

>comp3639_c0_seq1; 935 90 1793 LEN=1832; translated
MTTAAEFKALGNAALQAKKFSEAIANYSKAIDL DGSNHVYFSNRSAAYLSKGDGNNAL
ANSIALNPEFTKGYSRKGAALHALKRYNDSIAAYNEGLEKFPNDPALKKGLADVTREK
APPAGMGGGPPGGGLFSPSMLAQMAMDPRFKQYLDDPTVMGKIKMIQQNPPLLPTMMSDP
KMMEMLGLLMGESPGSSQPSSPPAPAPTAPPKKKEEPKPKPMEEDWSTLSPEEREKKEI
QKKARLKEEGNSLYKAKKFEEALAAIDSTCMTFLLNKAAYVFTMKKYDECIEE
CNKSVEVGKENMAPFEDRAKALTRCAKAYQKGDLANAIE MCKSSQLEAYNKDTRLLKS
LELEKKKKDKLDYQDEGKAQEAQKRGNDFFREKKFPEAIKEYEEAVKRAPNDAAIRNLS
AALTKIMDFNGAKVQVEKALELDPKYTKAWARKGDIEMAFKEYHKAMESYKNGLEIDPKN
AACKDGLQKVTMQINYGRSQMTDEQKREQAHAHAMADPEIQAILQDPLVQQLRDFGENPS
AAQQAMNDPHMRGKIQKLIAGVVETA

>comp3639_c0_seq2; 685 90 1945 LEN=1984; translated
MTTAAEVNRYGHSGEFATFLVSRFCRRRRFDGLLADSELKLTQRFLPLVHSFPFXFKA
LGNAALQAKKFSEAIANYSKAIDL DGSNHVYFSNRSAAYLSKGDGNNALDANSIALNP
EFTKGYSRKGAALHALKRYNDSIAAYNEGLEKFPNDPALKKGLADVTREK DAPPAGMGGG
PPGGGLFSPSMLAQMAMDPRFKQYLDDPTVMGKIKMIQQNPPLLPTMMSDPKMMEMLGLL

MGESPGSSQPSSPPAPAPTPAPPKKKEEPKPKPMEEDWSTLSPEEREKKEIQKKARLKE
EGNSLYKAKKFEEALAAAYDEAIAIDSTCMTFLLNKAAVYFTMKKYDECIEECNKSVVEVGK
ENMAPFEDRAKALTRCAKAYQKKGDLANAIEMCKSSQLEAYNKDTQRLLKSLELEKKKKD
KLDYQDEGKAQEAQQRGNDFREKKFPEAIKEYEEAVKRAPNDAAIRNNLSAALTKIMDF
NGAKVQVEKALELDPKYTKAWARKGDIEMAFKEYHKAMESYKNGLEIDPKNAACKDGLQK
VTMQINYGRSQMTDEQKREQAAHAMADPEIQAILQDPLVQQTLRDFGENPSAAQQAMNDP
HMRGKIQLLIAAGVVETA

>comp3640_c0_seq1; 662 1 1773 LEN=1804; translated
GSGKTLAFVLLPLLSAAKRRPWQRKKVASPRIITICPSRELAKQVGKEYSKLAGKAFGVAT
VFGGVPIERHVSLKLYKPKQIVVTPGRLRELVRGHDYDYSQVSTLVLDEADLLDLPQDSP
DVFSAIEDIEKALEESDDEDPEYQMLVVSATIGKNVKDFAAEMEFPESSFNIEGIQDSK
KLVDPSSGGAADSAEHQISAASSSNAATVGHWHMSCKSAMRPEITANLISVLSPLRTIVF
VPTKSATESVA AFLSEKAAGTTIRILHGDMSSARSRCIGMIREDAIRKEQQQSPQSEAG
QILVATDVASRGLDLPNVDLVVQFGLPRIAGKDGITINPELYAHRGTGRFRGGSNDRNW
GPAANRYETANAVALYDPAVGEGLVTELVIAIEDDLGVTIQSMSIPSSAKVVDAAAYQRL
SLDVLNNDSDQDTPSLSSSNKSRSTDLAAYFKQQLKSDKRVDSSDPEELLGHLANAMVR
LSKLDPSLSPYTSQSSLLTGDPMTTLRLYPRSIGSSSLTPPVVTSFCKQRGSGKLGRRV
ISKKDGSAIFDLPEKRANKLMEIIKAEERKDDDGLEYGLEIPIISLPEL

>comp3642_c0_seq1; 318 400 1670 LEN=1714; translated
MNHGXAVGVANAGEADGDIIDVEVKEEEVIEPPKPEIKTQFCITGISPPLETALNEAVSK
LTNVTLKEANELVEIGAVWAKIDVMTEDDVLQYDSSGEELYADLPQGWGNGSDAGTGT
EEEKLEEYIAKMESQRFRRILSPRKLQPGTDLRIYPNRRFPACYSIDGKSLLYQDFTFI
VVDKPPMLPTQPDASNYHENCPCGAQDILGPFEDIQGNITRRPLLCHRVDSSVGGCVMS
KDRNGQRVQELQRQRKLKVVYLAVTTKPVPLGMHLHMMWSPQTRGKAGGPPCQLVSHI
APESRRKARQFWTRCILEVTKSEPI TVNADDYDPGDKQHYQNTIRLVTRGRKHQVRAQLSS
LGCP IIRDTLYSPMSGITLGDLEVGDEEALENAIAQCRVPEEPIGLQAHAILFGGIKARA
REPW

>comp3645_c0_seq1; 388 57 2204 LEN=2434; translated
MKCLKKRSLVTFWAAFVAMPQDSQVSATSSCRSINQIVCATDAFSLCQALEETGIDIT
LNNREKDFTFAPNTDAFQHVLRDLKYNDIYECPKGTLRELLFLMHKNNVINKSGLKDR
CGERLEMVNEEFTRTVCENGETKIFQKGAGNSESAKPEVIAFNIEACNGIMHIVDEVILP
SHLPGLSSRKPTKKPTKKPTRRPTPKPSRPRSPRPFAPLEASSCSKFPRCAALGLTGE
CCPTDEGVKLDCCVEEAIYFRPTQKPTIEISAGSCSRHPKCAAKGLTGECCPTDDNAKLSC
CFDIPGSCSANPECEALGLTGECCPTDENVKLDCCFAGVFPVSGSCDVYPRCRELGLKGV
CPNDGTGQKLDCCSEEPGLPILGESYCTNTPDYSCYQFGRPECCCLKSTIECPKIQPGCEI
GWPVIGDSYCTYAEDFSCYKNGRPRCCLDSDLYCPDERPECEIGFPIVIGDSYCTQSPNFG
CYRSGWPECCGDDRSSNGCPNKKPGCEIGLPEVGDSDYCSDDPDMCYEMGYPSCCLERDL
TSCPNKPCQCNIGRRGCELQDSLPSLYDFACSMRSFEILCYLLGEAELDERFDRDGSYTL
FAPTNQAFKRLGKTTMSDLLVNPREGREILEYHVSDRIYFEEKLFCDRKIDTLLGDSSD
DFIITKCEEDKDNQLKSQAGNGNRVWPLIIATDIVTCNGIAHVVDNVILPKEYL

>comp3645_c0_seq2; 380 273 2333 LEN=2563; translated
MVLFCPDQIVCATDAFSLCQALEETGIDITLNNREKDFTFAPNTDAFQHVLRDLKYND
IYECPKGTLRELLFLMHKNNVINKSGLKDRCGERLEMVNEEFTRTVCENGETKIFQKGA
GNSESAKPEVIAFNIEACNGIMHIVDEVILPSHLPGLSSRKPTKKPTKKPTRRPTPKPSP
RPSRPRTRFAPLEASSCSKFPRCAALGLTGECCPTDEGVKLDCCVEEAIYFRPTQKPTIEI
SAGSCSRHPKCAAKGLTGECCPTDDNAKLSCCFDIPGSCSANPECEALGLTGECCPTDEN
VKLDCCFAGVFPVSGSCDVYPRCRELGLKGVCCPNDGTGQKLDCCSEEPGLPILGESYCTN
TPDYSCYQFGRPECCCLKSTIECPKIQPGCEIGWPVIGDSYCTYAEDFSCYKNGRPRCCLD
DSLKYCPDERPECEIGFPIVIGDSYCTQSPNFGCYRSGWPECCGDDRSSNGCPNKKPGCEIG
LPEVGDSDYCSDDPDMCYEMGYPSCCLERDLTSCPNKPCQCNIGRRGCELQDSLPSLYDF
ACSMRSFEILCYLLGEAELDERFDRDGSYTLFAPTNQAFKRLGKTTMSDLLVNPREGRE
ILEYHVSDRIYFEEKLFCDRKIDTLLGDSSDDFIITKCEEDKDNQLKSQAGNGNRVWPL
IIATDIVTCNGIAHVVDNVILPKEYL

>comp3652_c0_seq1; 549 326 1971 LEN=2282; translated
MAAVPLAGFTDVADHGPHLSPVYRPWFFLLFLGGDXFRFSGGKVEAHDNTNKFQNFYAHL
SRRKKNRRRSTSHIIVPRGGANRFLPNDEGDFVDDSEHMKKRNPIRRWKDNHSRSSTK
RFDGQTTKHSPPVYQYFGKSRNRGGGAHSHPSHSDETS LN FILLGPNVDHWKTVGQTLA
SRGFNVMACERMIDKDGDNPTQNGESQYEDAPHLVLEILDALKWNTAVLVGCDDESLLA
IETAMMLAPNRIAGLILCGDLAESNRFAADSGNARTLDTLLHRNLDCPFVIVWDGGLRSI
ASGSGSRGGLSSTFDENDFDGRCAILGGGSAPHRTKPEYFAWVLARFVEEKLEYHPRDYV

GGKMRHANSESSANDNGRIKAVKDRGRILRNLNLPFGIDSVVSPEGRLLLGRAVAAAI FY
TSCMKVLFVQYGAIKAGVISVKNSVDSVEALRRKMCQATGAFVMNFGYIPKFCKFSYKRT
EEKGENGVGSRSAKAGRSTEDKERNETLS DSTPSSPKDDADHSQKEDEDNDDTLRIKPL
FFLDNI FT

>comp3652_c0_seq2; 488 326 2127 LEN=2438; translated
MAAVPLAGFTD VADHGPHLSPVYRPWFFLLFLGGDXFRFSGGKVEAHD TNKFQNFY AHL
SRRKKNRRRSTSHIIVPRGGANRFLPNDEGDFVDDSEHMKKRNP IRRWKDNHSRSSTK
RFDGQTTKHS PVVYQYFGKSRNRGGGAHSHHP SHSDETS LNFILLGPNVDHWKTVGQTLA
SRGFNVMACERMIDKDGDNPTQNGESQYEDAPHLVLEILGAVHASADVHHFVCLSI CLP
ACL YDLSSD TTRRNKNLQILIVFLPNCIDAADALKWNTAVLVGCDD ELLAIETAMMLA
PNRIAGLILCGDLAESNRFAADSGNARTLDTLLHRNLDCPFVIVWDGGLRSI ASGSGSRG
GLSSTFDENDFDGRCAILGGGSAPHR TKPEYFAVWLARFVEEKLEYHPRDYVGGKMRHAN
SESSANDNGRIKAVKDRGRILRNLNLPFGIDSVVSPEGRLLLGRAVAAAI FYTSCMKVLF
VQYGAIKAGVISVKNSVDSVEALRRKMCQATGAFVMNFGYIPKFCKFSYKRT EEKGENGV
GSRSAKAGRSTEDKERNETLS DSTPSSPKDDADHSQKEDEDNDDTLRIKPLFFLDNI FT

>comp3660_c0_seq1; 236 1 353 LEN=529; translated
XFLQHNTLHLIMFKSVIALALVASAAAFAPANVGF RSNTALNGENDDKVEI IIVEQVGC D
EDKVVPAKFI DDLGLDSLDTVELIMAEIEEFDCEIPEEEAAKISTVGEVIVSFVDSL

>comp3662_c0_seq1; 157 1 646 LEN=690; translated
XPGAELHSIEISCIEQGPRAEGKWPWGNFAKESKEYQNLLDRNLLHCGDASD VDWLYQIW
NEKIYRRNKLGGSTSGT PPLKIVVDDGSHLAKHMVHSVFFWF PRIEPGGILII EDIQP
IEEANLFR TQFLPQAMADLHFCGDPNQNKDEACFPQLYRLLQSIHCEMHICV LERNEVPA
IPDLSIEDSKPPNALDMTQCYTFANSFGAGMEAI

>comp3663_c0_seq1; 182 1 376 LEN=535; translated
XQQQQQHQHYDQENTPRGPASPTDSVGAVRPTRGGRS ANTEADDKSHYSAFDYIRAVQ
RQFTQPYKDPSPDKSMATSDSIRAEDAGSALYKKGYPQKKYENELVKQIVKRRHLALIQ
AGEEP

>comp3667_c0_seq1; 447 114 1019 LEN=1100; translated
MPEKQVNPLINLAAGGISGAVSKTLTAPLEKVKLAIQNQDSDPRVISGEMKRYTGMGDAF
KRHISELGPSSLWRGNFANCIRYVPTAAFNLAFKDTIKRMFPKYDKNTEFSKFAAAQVAS
GSAAGGATNTIVYPLIYVRTVLGADLGKEKKNYGMWDCLKKT VKGNGFTSLYNGIGPSTV
GIVVYRGAQFGLQDILKAFNPYQKDFTAIGLASKFCVAQVAVATSGVVAYPFD TMQRR LQ
IEASKPKGEQMYTGMADCFGKILKTEGPGGFFKGALANVLRGTGAALV LVIYDEI INAVS
K

>comp3675_c0_seq1; 314 526 1644 LEN=1887; translated
MGDREDKLP LPKG WIRTF SNSQKRYYYSHSETKHTQWHFPTASEANDP WMAKRRAE TNRS
SQQQQPAKKKQRT EKGA AVASLSDVDALLDVADTT SVAIIVPFRDLHKEQKRSEHLSKFI
PHMIRFLGNLKT TERRISDYHVYIVEQSD DGRKFNRGKLLNIGFDIARKHKGRNGQKHDV
FIFHDVDLLPSKQLNEAYS KFPTVPHHIARCWD RYSNNPKYFGGIVSFSSSDYKRINGYP
NTFWGWGGEDELQLRCNALGIKWDFPRLSSSASSSSTPPITDLEGMTLKEK LKFLKSHR
EWKCMVKEALEEHEKNWKTNGLADLQYKVLKTTPLDSK DASKAKATKITVDVKLNPNNH
WANDKCGVEYMG

>comp3675_c0_seq2; 191 526 1792 LEN=2035; translated
MGDREDKLP LPKG WIRTF SNSQKRYYYSHSETKHTQWHFPTASEANDP WMAKRRAE TNRS
SQQQQPAKKKQRT EKGA AVASLSDVDALLDVADTT SVAIIVPFRDLHKEQKRSEHLSKFI
PHMIRFLGNLKT TERRISDYHVYIVEQSD DGRKFNRGKLLNIGFDIARKHKGRNGQKHDV
FIFHDVDLLPSKQLNEAYS KFPTVPHHIARCWD RYSNNPKYFGGIVSFSSSDYKALTAIR
TPSGDGEYXLIGPYVAFNTALWFRMDPLVIGIETD SHPFLFMRIFPCHTKQRG GEDD
ELQLRCNALGIKWDFPRLSSSASSSSTPPITDLEGMTLKEK LKFLKSHREWKC MVKWEAL
EEHEKNWKTNGLADLQYKVLKTTPLDSK DASKAKATKITVDVKLNPNNHWANDKCGVEYMG

>comp3678_c0_seq1; 395 1 1500 LEN=1800; translated
LKSRVVLVTIQAIDCSKPHLEICQLTLQITVRQTQQVNCDSNXAKGLVDFIDLVLSTTQY
PTIDKMSSIGGTSRKTFRLLSFALVVTLVFLFLEGEASSAVDSKRNN DGINVPRFEVYDL
PAIQWACEPFLEAHERFHLNPMKEKTRDLCLKLRGGKLGDAANDVVVLEESTE GAAENTN
RSM DVSSITVLEDEENEVEVDV EEDLSSPSSPTTGELPMNGSRPKPTTIENEH LDSADD
EHPVPSQESISEPSASPTDYTF SVFQKGDGHETDPDGIPTRYLNMQGGRRDLAKTALMNT
VKWREENDVDTILARPHPKYDVSKAVFPHYFCGRDDTQH VILLQRPGLMNVKLAHKNGLT
GEELLFHYIYVMEYLWRIIDPEPDATMTSII DLTELNMSILRKREQLRIGSLFLSTMDAH
FPQRSHRTFLINAPRWF GALYKIASPLLESTKEKIMILSQGKEQDAVLRD LLDLDCPIPD

GEKLENV PAGIMEEELAIL

>comp3678_c0_seq2; 435 1 1553 LEN=1628; translated
LKSRVVLVTIQ AIDCSKPHLEICQLTLQITVRQTQQVNCDSNXAKGLVDFIDLVLSTTQY
PTIDKMSSIGGTSRKTFRLLSFALVVTLVFLFLEGEASSAVDSKRNNNGINVPFRFEVYDL
PAIQWACEPFLEAHERFHNLNPMKEKTRDLCLKLRGGKLGDAANDVVVLEESTEGAAENTN
RSM DVSSITVLEDEENEVEVDDVEEDLSSPSSPTTGELPMNGSRPKPTTIENEHLDSADD
EHPVPSQESISEPSASPTDYTFVSVFQKGDGHETDPDGIPTRYLNMQGGRRDLAKTALMNT
VKWREENDVDTILARPHPKYDVSKAVFPHYFCGRDDTQH VILLQRPGLMNVKLAHKNGLT
GEELLFHYIYVMEYLWRIIDPEPDATMTSII DLTELNMSILRKREQLRIGSLFLSTMDAH
FPQRSHRTFLINAPRWFGALYKIASPLRESTKEKIMILSQGKEQDAVLRDLRDCPIPD
GEKLENV PAGIMEEELRNFCMARLEEAGAEMQVVEEV

>comp3680_c0_seq1; 357 1 1636 LEN=1848; translated
XDSSIRSNGVAATAAVATPLALWVSSAALALLLSLPGCWADPSSRGKNSVHTHDAAYAR
LGVRPPDEHNRVLGRGGVLELPIARWSRIHGRILPLLHLFEGGRDRRPPDFVFNLRVLW
CKLLSSLDPEPAYEGRRSLPGKGSVWGGNSGDATDAVLFATYRMLPPCSIRWPLRYL
GLWRFFPRWMHANI ELRTAYLKGALRRVLAPSGASTTGPDRCVVLGGGYDPRGAVLSA
GKGIERYVELDLPAVVD SKRRLLSRAGFCVEGEDAGGSGRARNVSGTTPRGVRLEGVDLN
DDEAVDRVLDKIRRELADDPSSDPASGKPGVWRVVVSEAVL MYLLPGKARRVLEGLAER
FRGSDSESGFASAFVADRLVPRRNTALDAAPTGSVVAADSTAPSAGASSDAAVIDPR
GTEESEVRQWLETSGWELRELLFKPGXYQTPGHNCGMTHVIGVEAHAHTNRIDPAPLRI
DGAVLHHCVGFGTNER TNGNQSM TDGASFLPLSMGCRDGF FRGPIGRRDYGAVLGPACVE
CPASD

>comp3686_c0_seq1; 190 444 872 LEN=1295; translated
MNTTGNILQWTALLRGPSTPYSGGVFLAIDCGADYPLAPPSITFVTRVFHPNVHFRT
GDVCLDILKKEWSPA WGVQAACRAILALLSDPDADSP LNC DAGNMIRGGDMLAYNTTARM
FTVENAMFLAWPSTATTTDKEG

>comp3686_c0_seq2; 216 10 685 LEN=1108; translated
MSNTPIEEYGEQSWDQSKAKDNSVQNEQKYTGVTGNTT SERQDKAIRIKPITMSLNLA
AKRLRKELO NLKRTKEPDPDIYLPDGNILQWTALLRGPSTPYSGGVFLAIDCGADY
PLAPPSITFVTRVFHPNVHFRTGDVCLDILKKEWSPA WGVQAACRAILALLSDPDADSP
LNC DAGNMIRGGDMLAYNTTARMFTVENAMFLAWPSTATTTDKEG

>comp3687_c0_seq1; 304 287 811 LEN=1610; translated
MGKGP NKRNKTTKRKGKCYQSTDDGEEQPPSIGRRCQKSNKRRDNNQQQKNGNYNRGDN
DYDTDDCKLRKTLNADGLEIVEM SADGNCLFRSLSDQLFGDYGKMHYDVRAVVCDFMEQ
NKADFQVFLVFEDEDEDQCEEDARDFDHYVGNMREQQWGGNLEVVAARLYR

>comp3687_c0_seq2; 454 287 1324 LEN=1479; translated
MGKGP NKRNKTTKRKGKCYQSTDDGEEQPPSIGRRCQKSNKRRDNNQQQKNGNYNRGDN
DYDTDDCKLRKTLNADGLEIVEM SADGNCLFRSLSDQLFGDYGKMHYDVRAVVCDFMEQ
NKADFQVFLVFEDEDEDQCEEDARDFDHYVGNMREQQWGGNLEVVAARLYRRSITVY
SETMAAFTIDHGESKSMGPDLLVSYHDNDHYN SVRNKLHPPKLV RNGLPMNDILSNKIH
TKNTNIYETTHQGSHEIECITTSFSALPLSDKREETE KNTIKNVKRNAPCPCGSGRLRYK
KCCLARQKHATRVERLRVKRQDEEESLPAETEEERSHGMFRVVAI

>comp3691_c0_seq1; 222 816 1133 LEN=1491; translated
MADVFGSEYVSLHVRKSNRAAFHLYSVTLQYEVNDVEKGYADGEDAYDMRCYFKQRSTP
ANEESSAAVGGTNESSSTEETDGPPTRAMHQLQVSDAAAPVAAGM

>comp3691_c0_seq2; 222 555 872 LEN=1230; translated
MADVFGSEYVSLHVRKSNRAAFHLYSVTLQYEVNDVEKGYADGEDAYDMRCYFKQRSTP
ANEESSAAVGGTNESSSTEETDGPPTRAMHQLQVSDAAAPVAAGM

>comp3694_c0_seq2; 265 145 1067 LEN=1107; minus strand; translated
MVTQNSDRILSGSSDHPVGLSFAVGGAVGRSSLLCSAGACAYVCKQTKKERRPMGFVDS
WVELSRVESSRVEPNGTEPMNGGDPSSSPPLVFLLP SGLLPPLPVFPEAGVQLVPDLL
AALLLELAVDDPALPPLVVLKGLHPVLLGRLLSRGRVPEVDLHDP RVSEAVGLVVGTTVA
LSRGPALRPPVRRGGIVGEGLSAAGK GKAPLGP EGGDPAPLEALGGGKRCGGVARIAEA
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>comp3698_c0_seq1; 799 57 2318 LEN=2361; translated
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RRVFEKFRQETHLLQEFQTKNLSFSSRSSASGGSFSKNKSKLP IPSMIDKWHMDAKLEE
RNILFQNM AASSLS SSSSSSKPSNTSLPSAASTTEILREIATRKKHGIHVYDPILLNQHS

PSIFIETILKQVRKMWQSSNERVESNNNSEFPKFKKAQQVQKALFRLVCQARESFET
QLLQDVRQESIRSTTAKKSRRSNNRIPKLSRSPPTDGDSSPSLVRVAFSGVTLKHP
AYLEKLQRLYDRTKERRLKLHSPDNFCAADAMHHNLSFEEALFCLLCRYDMIQAGLQA
GVPGSIMDVLLERFDCRMECFASPLNCRYDCFASAFVDVDAAFGSKGSFFELPLSDND
GDGNDTEDDSSLSSRDGGICYEANPPFCEGLIQKLSETIDDLVSPQRARNHRRPIMFVVF
VPAWRESGCYQALLANERLEGHLLLEQGDHWYAEQTQHRRRDSFRVASFDTSVLFYQNA
AKRLWNVKGDVAVLDELAKAFGQDPGNMQENQTILPQGRRTKPATGAGPSTPAVLPI
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>comp3699_c0_seq1; 233 141 1409 LEN=1477; translated
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PVYDKELSYDLLPSGWRKILRLRRFYRLLHANNVELRTAYLDGRVGEIAAQQQNGGNPKK
IRLVCMGAGYDTRGVKMIERTTVDRVIELDLPEVVNAKERLFWRLLKRRPWLKEFEC SMP
TLVPSDFNDLLDVEQKLRALLLGDEPDGPDEKAEWHTIFVFEGVMIYLNQDVPSSLLGLT
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LQ

>comp3702_c1_seq2; 130 100 542 LEN=936; translated
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>comp3704_c0_seq1; 389 618 1643 LEN=1643; minus strand; translated
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FVACCFMVGRTVTAVAWGKIADTYGRVFLKVSLSVASAITSIGFGFAKTYWEALLWRFLM
GFANGITGTIKCLLSEIRASSGSQTKETKTMAIVYGMRYGFLICPGITGYLSDPIKQYP
STMASVMRPIKSLLRAYPFVLPNILACGLCILACLLVKNHVDETLPNEKCEPFPSFFTAA
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>comp3706_c0_seq1; 320 1 1045 LEN=1540; translated
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EVYQENVYDEDAEFYSCKRAAYDVGFLGSEPGTEAIELASFHSTSKGVFGECCRRGGYME
LTGFDQTIKDQLYKLASASLCSGLNGQCM TALMCRGPPSPGDESYESHEAEKTAIFESLKK
RARIVEEGLDAIPGFSCQPAQGS MYCFPSVELPQGAIDRAREEGKTPDTLYALSLLERTG
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>comp3706_c0_seq2; 356 99 1058 LEN=1553; translated
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EPGTEAIELASFHSTSKGVFGECCRRGGYME LTGFDQTIKDQLYKLASASLCSGLNGQCM
TALMCRGPPSPGDESYESHEAEKTAIFESLKKRARIVEEGLDAIPGFSCQPAQGS MYCFPS
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ARSVEAMKVHHQEF CERY S

>comp3708_c0_seq1; 334 1 1261 LEN=1691; translated
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DFFQLPPVYRNDGTDWTRPFCFESPVEDLGLSENVVELREVQRQEHGDFVDLLNKVR
IGKVTEQDI RELNRQCLIGPNNPIPTDGILPTRLYVLN KDVDSENI NRLAELKGREIVCK
ASDNWRQSMPLGTPAATKKMKESIAMEIPDEVRLKIGA QVMLTRNKDLQRNLVNGSRGV
VERIVKGPEGNPVPIVRFD SGLVTKVPPVESERFNP DGGPGCLVRKQIPLKLAWAITIHK
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>comp3710_c0_seq1; 241 1 1222 LEN=1774; translated
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SNPKWIQGDVLELSCDGTGASGVVGLLSCVASKLTSMPDELKAFKRERKEVEDEVLSL
HSGQKRRENFSVFPQGVHRLT L SDESPEFLHGAQEMIQRHFRSSASPPDVSIEQVEWSQ
QGPRRRYNREYRTVVGSDLDIPFNAKELSKAVANMLLPSNVLAAANMKEERPGVDPTVP
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>comp3710_c0_seq2; 291 1 1210 LEN=1762; translated

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KWIQGDVLELSCDGTGASGVVGLLSCVASKLTSMPDELKAFKREKEVEDEVLSLHSG
QKRRENFSVFPQGVHRLTSLDESPEFLHGAQEMIQRHFRSSASPPDVSIEQVEWSQQGP
RRRYNREYRTVVGSDDLIPFPNAKELSKAVANMLLPSNVLAAANMKEERPGVDPTVPPTF
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QQDTSRDYQSMATAIHHPDYAGDGLGEYFFPLETGAYEGGLSPL
>comp3715_c0_seq1; 253 134 1059 LEN=1059; translated
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SSESESLVPPVDNDQNVTSDDDISDNIQSATPSSTPTITESGPDNTNGNETSTLPSMVPT
TVRTPPPAGVPTIIAEPFTSTANPTVVTALIPPETIAPVPEVPSVGTKEPSTSAPSP
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DESPKLGIX
>comp3718_c0_seq1; 426 46 954 LEN=1028; translated
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LGRCTTGDDGVPTQCASEVEACPETDATRGFLGEIPECTVETTSFGRCDYGMCAWSHKHC
VEDNTWDAFDEGCTCDKVQVGACTRFVDGERESFCVASEDACDDEQTLWAPHGVKQASGF
DCYLCREKAPPSTAMVTDENDGFEAIAVESDFGKAPGRNSAETTTIIVMAVLGVVISLLI
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DD
>comp3720_c0_seq1; 373 1 1347 LEN=3036; translated
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AVEFFPFENVLCSIAALFYCLFFGVVALDENGKVVGYFLGQSPLTIGLSRKKVGI
TVVCVSSKHQKKGIAKTLGKHVMEGKCEEFSPEDFDEIILQDQDTWNSPSWLFSDRNGFRYSPT
HDLIRRFGLVGYVQIILTGNHTLPCQFVKRYAKTEEEHAEADAFETQKGI
IACLISGILPSVYWICFWIMSCDNGVKAKFAGWVFLAVYFLLAVRFALAHLLAQERVV
FREYDNWWAPIGLFWPIATFVGIPLLGWTGGFYIGVPGINYLHDKYKTALAQM
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FPGAMAIRRNWFLFLVGLWVSWCAILVCGILLPNENESSRFDLSIAACASQ
>comp3720_c0_seq2; 373 1 1347 LEN=2895; translated
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AVEFFPFENVLCSIAALFYCLFFGVVALDENGKVVGYFLGQSPLTIGLSRKKVGI
TVVCVSSKHQKKGIAKTLGKHVMEGKCEEFSPEDFDEIILQDQDTWNSPSWLFSDRNGFRYSPT
HDLIRRFGLVGYVQIILTGNHTLPCQFVKRYAKTEEEHAEADAFETQKGI
IACLISGILPSVYWICFWIMSCDNGVKAKFAGWVFLAVYFLLAVRFALAHLLAQERVV
FREYDNWWAPIGLFWPIATFVGIPLLGWTGGFYIGVPGINYLHDKYKTALAQM
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>comp3724_c0_seq1; 320 219 1067 LEN=1541; translated
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IYDWFNDLARVLRVNMAYDYTGYGKSNNGSPSEENCYADIESAYQYLLEVRGLQPEQIVL
YGRSLGSGPSCYLASKTANEGQSIGGVILQSPLLSAYRVAFDFRFTMAGDKFPNIDKAPS
IQCPVFIHVGTQDEVVPPFWHGEDLFMALPQQWRAPFWVEGAGHNNIEALLRPTGAFV
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>comp3726_c0_seq2; 714 231 2167 LEN=2167; minus strand; translated
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FPASVSDWFSVFSNFATLSIRRTIEIDXMITVFLVLLIAWYAATYFSTVSRYLKPEKKKK
SKAAKSKVKKNKSSKSSPAYEVWASDQSNVSGEERLGVKGSFLWVFDTDGIQQLSGK
EKATPLPCTPTKTGKPCDAFEIFPPELNQVDAGGAPTQKQDKDISGFGRLHGVLDVDPQNK
YVSANFFTPGGGFIGIIDVETKEAISLFRVTGFSTKAERSVHMTLWSTDGSALLSANLHG
KAIERINIGRSDGKITSAEFDKSASIGLGIGNTIEEASVFEGVNAYGRQLLGSVVGQY
SDAGMGDLTPNGYCKQDGTSSALPPTGRNTNNVPCIPSTENNLYTSLGGGGLLVMDLK
TTPISIVGEYGGKIFNGAGCGGTQVDQOMFLNAGISAAAAGSDQSTFTVYSMDDTAYSHG
QNVADDPPPPTIVYKDNNTNTIGNVDGVDTPNNTGQIPGVTTTRRDSHGIVSTLNKKFVHQ
FDRIQNVVEVFDTKTYERFSYDLTSSKNGQLGRPNAPPEEAGPCLANSVTDDVNLVLDN
PSPDVLERSPDGKFIIVGFRGPAPVSVGHSAQGSCPGVGVVEITEGGKX
>comp3727_c0_seq1; 31 1 163 LEN=373; minus strand; translated
XSGVPSGVPPGEGWALANKDGAELSPATDGAMLKDGAMLKGLSVCGPPNVVGS
>comp3732_c0_seq1; 202 971 1506 LEN=1506; minus strand; translated

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GGASAASVPFVCRYRADLIHPLATQQVHELQSMVAKHEALQSLR TKLVEHFPCNSSSNNN
EMRNRILTSTSR AELDDLYAPFKPPAKGSILERITSEHPKLVETIDELWNAKDEPDDKR
>comp3737_c0_seq1; 227 481 1268 LEN=1268; minus strand; translated
MGRALVLWACCFCCPRADAFPTARRAGVGRPRALAQRHAEARPGGGTAGGRGAGDANANA
SADADPDDNADAPRTHRIEFVSPLLDYGYPPAARDLEARQAGGTNERHEKPI LLYLPGFD
GTYVCPFLQFPELGT EFEVWCMTIGMEDRSTYDELKSVVLDVLR TDLAAGHRAAEAVPAG
ASSESRSEGESETEEAVPGERAPAAGGSGRFSGLFGGNGR KAGAKTTGRPVYLAGESFGG
ILASDVARTLLEEQNAPGGAGGA
>comp3742_c0_seq1; 503 275 1990 LEN=2110; translated
MQSLKMNSNTYKTTLLD LLI V GAGPVGLTAAL EARRLGLSARI IDRKKKRSSHDSRALVV
HPRVMELLEPIQDGAVTEKIENAAFNLEGIKIYLEK WYHMNDSDDCFDCLNANVKRTIW
GDTNYP SLYFLPQYETERILEETLNACGGQVDYGV SLENLSQEGNLVTSILRNSNGD TTE
IVTSTWVLGADGGRSKTRDLVGIKMNRLQSDLYFVVADLV LKGDLP LEDQLSGRGGHVFP
TGKGLIALLPLPTRNSYRFV GKAPVGVTSADQIELNATFF EELLFDRTGRKFHV ELGKWQ
NIFHVTHGASDSYRNRNVMLAGDASHVHSP IGGQGMNLGIQDANNLLWKLAWAKRFLDAV
SNEEEEDETTSTVDTILESYHSE RHALGQNVIRSVEMATKLMNAKSRFVQFLRGVLMRIG
LRSTRANHNFRKVGQLE TAYAPSSSSII F DGNM KKPCIVSPGQ RVPNIRLEDG SNLHSHI
DRVQHTWVFLNPHE SLSSRSPNVIGTKV VFLVPAKSEEQVSVPKITEKALTAQQILLVRP
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>comp3742_c0_seq2; 511 363 2077 LEN=2197; translated
MSSPSWHSKLRFCSDTTPPFLV FSELDXTAALEARRLGLSARI IDRKKKRSSHDSRALVV
HPRVMELLEPIQDGAVTEKIENAAFNLEGIKIYLEK WYHMNDSDDCFDCLNANVKRTIW
GDTNYP SLYFLPQYETERILEETLNACGGQVDYGV SLENLSQEGNLVTSILRNSNGD TTE
IVTSTWVLGADGGRSKTRDLVGIKMNRLQSDLYFVVADLV LKGDLP LEDQLSGRGGHVFP
TGKGLIALLPLPTRNSYRFV GKAPVGVTSADQIELNATFF EELLFDRTGRKFHV ELGKWQ
NIFHVTHGASDSYRNRNVMLAGDASHVHSP IGGQGMNLGIQDANNLLWKLAWAKRFLDAV
SNEEEEDETTSTVDTILESYHSE RHALGQNVIRSVEMATKLMNAKSRFVQFLRGVLMRIG
LRSTRANHNFRKVGQLE TAYAPSSSSII F DGNM KKPCIVSPGQ RVPNIRLEDG SNLHSHI
DRVQHTWVFLNPHE SLSSRSPNVIGTKV VFLVPAKSEEQVSVPKITEKALTAQQILLVRP
DQFVAGVGR TQEEMLNQLRKVGINEKAIAM
>comp3744_c0_seq1; 565 150 1157 LEN=1186; translated
MAPAETDAAPNTEEDPPMFSK WREFNINDEARDGDGGAGGENEEDTAGLFCMFDEEEDVY
EDVRYDYP SFFAEGDGASTTTVTIRH HGAYPNSTGLAVWRGA EFLARFLCDAQQEADRK
AGREEDGGSGIGVA AVRGK KVL E VGAGAGLPS IVAHSVLGAGRVLVTDGDFDALNMKHN
VDANRSTNSISNNNNNTIACLQLI WGTTHAEP ILETHGKQDVLMADCVYMVPSLKPLWE
TIDLLD TDG VVYAQTAASAVPWEDFRAALDRHGFETIHRVAGTAALSPYEAADRGS ES
GSENE NENEVNNPGASKEEE EYERGIYVFRRRP
>comp3746_c0_seq1; 124 201 579 LEN=1436; translated
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DALFI
>comp3746_c0_seq2; 221 201 758 LEN=1133; translated
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PPEKK
>comp3747_c0_seq1; 357 1 542 LEN=1187; translated
XGSAEESPPKNLQEMETTPPALPFDSRASGMVYQARNQQANDNYEDNDNKNHNNGINNVN
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W
>comp3749_c0_seq1; 364 271 1516 LEN=1533; translated
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KNKTHKGKPRKGDALSLALSPGSAEFGKASSGDLSTAMP SRVPERASRVVGF SKERFE
RSQRPAVEDALAAPKSDSSGSLDPCEELEKKCLELEATGRELSERIDETVLRALAKHL
AEQLEGHAVFLRQLSVRKETTQPEHRESDGGTDPYRRKLRKLLANAGSTWAF LRKHHGP
LRAELERVRSRNKGLAVRRHRRQNATAELPGTPGHQRVPVQNGNPRDRGPPPPVPPPDWL
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>comp3755_c0_seq1; 205 168 1558 LEN=1558; translated
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GPNVLYDLLSDTDKGSVVEIARTYAGLECAVALDPIILSPEEISEANKSQFDLHIPELC
EDKSHICLKLDTSDTSMGGSKFDLEFYLNNGTSGSVAPTNTLETGGSSDPRLKAMASAT
GCIQEGIKENVKFDLEGHHLVNYDATPGDQSPAQQTYQVVLSLRANVGFLGHGTTLAET
DGSRQCERRRIRPEVRWKGREKDGFLARLRRCRRHKSRLRNRKLQTLQPAKQMGNKILRPV
QLRRRAVHPVEQFEFCPRVLLRTPAPPAPICAGDSNEVPHDGHQSSSDGDNTFLVNEKT
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>comp3763_c0_seq1; 674 40 1749 LEN=1837; translated
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LNERKRYVQKLARIYASKIEEMAQLISTEMGSPIEAARESHAWGGLSNIESSLELIDEF
FEKPLGDDELTTILYESIGVVMITPWNWPLNQITLKVVPALLVGCTCVLKPSEESPLSA
LLFAEMVHQAGFPFPGVFNLVNGDGPFTGDSLTKHPDLDMISFTGSTRAGRQVAVNAALGP
IKTTLELGGKGANIFFADVGDEWMEVVVNGVESVFYNSGQTCNAPTRMLVQQPFYINMAV
ELATNIAKTNSPVD SAHEDGDEHIGPVVSRNQFERIQEYIQIGIDEGARLVAGGLGRPEH
LANHPSKKNGYVVRPTVFADCKPSMTIMQEEIFGPVLCIVPFTTEDEALQLANDTPYGLT
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>comp3764_c0_seq1; 607 357 1493 LEN=1794; translated
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RSAGIDVLTSETLSNSPDELVMTNAKGAFSSTLAEYTMLAISYFAKDLPRLLRNKREGNW
EKYSVLEIRGATLGIVGYGDIGRAAARLAKAYGMRVVALRRNVPAPAEIAADPLCDAVYG
DGSENLRNRLFGEVDYVLCSLPLTEATHKMIGKDQFDHAKKEGCVFINVGRGPIVDEEALV
EALKDGRLLKGAGLDVFTKEPLDEDESELWNLDNVLLSPHNMDQTATFMLESTQFFVNEENLP
RFICGQALLNPVDKAGY
>comp3764_c0_seq2; 551 357 1370 LEN=1940; translated
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RSAGIDVLTSETLSNSPDELVMTNAKGAFSSTLAEYTMLAISYFAKDLPRLLRNKREGNW
EKYSVLEIRGATLGIVGYGDIGRAAARLAKAYGMRVVALRRNVPAPAEIAADPLCDAVYG
DGSENLRNRLFGEVDYVLCSLPLTEATHKMIGKDQFDHAKKEGCVFINVGRGPIVDEEALV
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>comp3765_c0_seq1; 191 140 740 LEN=740; translated
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VLTCAGYGYQKVAMGRDYDNAGNSRRENQEVK CIRVDLCVLRQLQAQETDLLVTISR PVDD
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>comp3767_c0_seq1; 224 607 1459 LEN=1459; minus strand; translated
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EEKHTDQFKAFMWMARMDPSPVDVATTSRHDIMQKYIMVLFYISTGGKNWRHQNSFLTDV
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>comp3774_c0_seq1; 175 1 1433 LEN=1559; translated
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NGLSALEHIAPDVAKMVRKNCSPCLVFERRDASTDEVVRSSTSVPHLNETSPVMYAWFLLQ
QHLVEALPEDCLQLGHSFYQSYKVLDDGRVEVYLLDNGKEVTKTCRLLIGADGIHSRVRQC
LLGEPPTTNYGKVMYRAVIEKERVDRVLEIPEGSQISWQGT EIGKSFVRETTEGIITV
TAAALDDSPNGDSRSANATVPHDNFTHKKHLQSLFSGFSPTVGAIIGLLPDTFHRDFLRD
INVPNETGWCDGQVLLVGD AVHAMTPGMQGANLGLLEDACEVLETIVQKRPLSDFVRAR
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>comp3775_c0_seq1; 287 103 723 LEN=1413; translated
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EKNQALNHLRNASRIDACSSRIETAVRMGQVTDGMKGVVKGMDKGLASMDIEKISSLMDK
FEQQFEDLDVKTQYMEGTMNATTATSTPAEQVDTLIEQVADANNLELGEAFSQAGPVGKK
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>comp3775_c0_seq2; 198 103 812 LEN=1502; translated
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TDGMKGVVKGMDKGLASMDIEKISSLMDKFEQQFEDLDVKTQYMEGTMNATTATSTPAEQ
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>comp3778_c0_seq1; 285 1 1343 LEN=1595; translated
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VNEAAQADKILLTAYPVGYTLNPNVPSETRGTYLVPWKFDNGLMLRQRGRLLRRDPVAAP
DPTSARVVHRQYLYAGGFNFPGPRVVREVPYDTNGLHHLFFGEEPSMAVRLFTHG YDLF
APAESACYHLWSRAHRPPPPAGTTDPLRRELDRSLAAVQRQLLGGESPTGTTTTTTHG
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>comp3780_c0_seq1; 322 1558 2526 LEN=3056; translated
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LVYRYTHYARLKQQHPDWTRRELLRNTLRFSFLGPPKDSQSARAVEIAMPFEFDNDGNSN
LPDEQPRDTSSYGGNNTQIDSIGEFNVSDNNLQCMNSVDFNAKFLDNAYVRNSISSLMGD
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QVDELEDDDDGNLIPEKNTWDKL
>comp3780_c0_seq2; 420 235 2292 LEN=2822; translated
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EVTEYTIASYVEPFMHATGLLFGLTGVASIILDLFNNGTLWCWIAQLPFNCEESFALPE
GEETTCVRGDNAFIYRFIFFYIPLWLSMILVLAVNVWIYRTVVRKRDQKAKKLHAIHHAKH
GRPTLGKQVSLSKSHKKT SIFLRSPPKKTGINFTFGQHPASLSTLKN SIDKGEKLHIAT
SSGPM LVPISGETELEIEEQRETSVRVSSDREGEYETKEHDHIEKDVQSSRSSHGDNR
IPTMVLPEKFAERLSLWPRQQNEGRQQQTKIETTPIDSIRSADVRLVETIEDFPSSAARQ
HAATYHIGARLILYQSIAYVVGFWMIWLFPTINRQLQYYDITNHLWLVI FQGFFPEPLQGA
FNILVYRYTHYARLKQQHPDWTRRELLRNTLRFSFLGPPKDSQSARAVEIAMPFEFDNDG
NSNLPDEQPRDTSSYGGNNTQIDSIGEFNVSDNNLQCMNSVDFNAKFLDNAYVRNSISSL
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>comp3785_c0_seq1; 349 1 1538 LEN=1625; translated
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IGAGNDHTEL VQARFSQCGNCQQPMSLQKQERRTGRRRRGGGNNNNNDTPRKL LFCNACQE
GYILPRKGI PRPKISEGETNNNNNTPVKCPICNFQVVAIARGDGYEGNGYNVCPKCYNDP
PADHGGGGSGGGGTHPCFSCSH PACALAGGTQGGDIEVFACPF CREKNVPGGKVT LRKN
SRGYVLS CANYSGRQRC SYTIWLP RASRSIEVPPGEEHVCTRCSTHSPVRKLA FQWKPGG
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>comp3786_c0_seq1; 427 321 1826 LEN=2155; translated
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LAPLDDAHRHQHLEVLQFLQKSGGKFGSSSL SINLISACVEGDIDEVGSLL EYGKIDINS
GDYDCRTP LHI AASEGQAEIV ELLCEKDADVNAKDRWGARPLDAAVFANNAKCISMI EKY
GGTRGSSATCSFGHDAI LDLIHTY GKIRDGVL SMDWHDVQDMLTGIG EKPTDEVVQK LFE
VADKDKKGIITTEEF LANHETFLSGRPARIILVVG GPGSGKGLL SERLANECGVVHLSSG
DLLRDEISQGT E LGKHHEIVQK GELVSSAIMV TLMQKRMKDHPGKRILLDGF PRSQENA
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FLREENVPIVFLDCSKSPGVVW
>comp3786_c0_seq2; 385 321 1442 LEN=2251; translated
MAPRSRLQRKRDTS CSAQEEISKTRQHSSCAEDLLDDL CRKHMDLPAQDFAMGCGFLHQV
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LAPLDDAHRHQHLEVLQFLQKSGGKFGSSSL SINLISACVEGDIDEVGSLL EYGKIDINS
GDYDCRTP LHI AASEGQAEIV ELLCEKDADVNAKDRWGARPLDAAVFANNAKCISMI EKY
GGTRGSSATCSFGHDAI LDLIHTY GKIRDGVL SMDWHDVQDMLTGIG EKPTDEVVQK LFE

VADKDKKGIITTEEFLANHETFLSGRPARIILVVGPGSGKGLLSERLANECGVVHLSSG
DLLRDEISQGTGR

>comp3799_c0_seq1; 640 77 1333 LEN=1551; translated
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ATTPPATKAKLVADTLRSDDKALRVDWRTQGIMTPVKDQGCQGCSCWTFSTSGCLEAHTCL
AWGKDCTQWDGFAEQQLIDCAGDFNNFGCNGGLPSQAYEYLYKYNMGMDYEETYPYKAKDG
AECLAKDGGKAGGFVSEVYNITSGDEDDLVTIAIAQVGPVSIAYQVSPDFRFYQHGVYDSYN
ATTQSTMCNNTNMDVNHAVVAVGLGTTADGRHNHNDGDTPTYIYVRNSWGT SWGMEGHFW
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>comp3807_c0_seq1; 364 1 789 LEN=917; translated
HGSPSSSLPSRNRDNI STTNQDMPGTTSSKSGSKRWFPLESNPSLINSYIQKLG YDTSL
YEFVDVSTEDWALDMIAQPVA AVLMLYPLTEKQTSNTQDDVVATAEMKDKVWF TKQRIG
NACGTIGLLHALLNAPEPIRIFKKDSWLEKYANDCPI SLDPVAKAERLEEDSKI EEMHDE
ATSSEANATDRGSVNDEVLT HFIALVCVDNKLYELDGRKEGP IDHGPTSQATLLKDATTV
VKKFMAKDPTEMRFTITALAPK

>comp3823_c0_seq1; 374 257 1855 LEN=1971; translated
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SGDSTGDSSRDVNDGDEQERQQPSEGRDAEPRDGAIGNLTRRLRCLFSTVTWPIVPLGT
IVSLALLWVLYAASSLDLEKNC SHPLHSYALVSLVLVAYIPNHSLVRSRMFHSRERDGP
IRPARVRMYDQFFHTICLLYVYTGVTLIQTCQEDIVDRNSIDVPKNELALPNNGPLNACQ
ATCPNLYQAMSVYVATLELFTFALILPLLFLPCIYWLFLQRATAEADAFARLQDHLQEED
ALLRNGGVTTGEILDSLETVKMVYRGP GSSAHEITNINDNPVAEGESE PQELWILPRDVG
LEDTIGTKSTMRECCICMTNFD FEVEGSPSCEIRCNGNDKFEKRKNLKRVNNDAMDEVGH
EATPTEPSRIVRTRCGHIFHEECLKGWVGGMWSANPNRAGGNNTTGDDSTPDW

>comp3840_c1_seq1; 1277 1 2656 LEN=2721; translated
XASSGGVFGNHEMDISVAGDPNHTVLDRAERLKKQANAKFNKGDIEAARALYSDALACIP
TTGFYSRQV KALLSELYSNRAVTFYRSKQYQESLDDCDKAIERNPEAEKSYIRKARALVG
LERQTDASRCLQDAYKLFPTSKKVKEELSKI IDQRDTLGNLSGKGGSSDSVDFNASVGS
SNFYPPSHTGSKAAQTLSTGREELTYADDIELSDKLRNANAKFNRGDVAGARMLYTEAM
AVLPNDRENEVVRTCLASLYANRAVTTYRDQEFQSVRDCENAIELDPKGEKPYSRKARA
LASMQRYYDAIQCLEEGKRQVPGSDKLEELVKIKQEVGDAIGTDSKAGGAENANLGH
GHAPTVP SATDANDT SNFFVPTVGAAMGSVPEGKSQEFDLPTKIDPEEFERA EK LKKQAN
AKLNKGDVPGARVLYGEGGLACMPGGEHTPEGRELAANLYANRAVTYFREKQFRET VNC
NKAVEFDPKHEKSYIRKWRALMALGSFDDAYRCLESALKELPESERLNEELENAKEEKKL
ITQVNELIEAKDYQKAHDILHNIVKVS DNVALWLSTARVDTFLGLTDSALS RVEKVLGFN
PKHGELRVRGYATFLSGEMEQQINLLKESLEGDI EDTSNDNASGILQACQIKMNTFHKG
QARV KRGRSREAVDLFTA IMEDGQEP I PHGAPLYGILLTERAEANLLSDQYEAALADCAE
AISLQDNLTAWTVKTEVYYALGR LQEARDELAVARKTWGARNETIEDAYKKTDFELRLQ
KVDNELRFLVGTVESGKPLVDESGILHMNHSQRGNRNGLTASDKSNSNSKSSSKSNSNSM
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>comp3842_c0_seq1; 624 244 1770 LEN=1856; translated
MSVDNITSPVAAAFPNIQWDALGSLRLTAQETALLRMAETNP IDYTLADSRDASMYARVL
LKL LAEAAAAGAGTGEVSTYIEKCSDERAMRALD VDP LGVVTHYALTKLNEIISTLSKGE
SGVTVA AVFYVKG D GILVDQWKALLRILNKSGKGDIFAQKSASMSLGKILIASCPSKGP
SKGRTVSYISAKEPMEALIAWIVS QLKNVAGSLVGLCIPALVVLMEALESRLIFAKASGI
KYMSRQLLSASKSGSPSDGQQKFGSGSVQQLYALSFCMWILSYELNSSWEIRADFAKEGV
PVKALCELIAAAPREKVVVRVSLAALNNLATCVDTDDAHPAGQTPHEGKFFLSEMI GNGLM
KSI SLRDRQFTDPDIVEDIDNIHKL LVANYKEMSRWEVYKNEVENGLHLOWGSTHTEAFF
KENAKMFEGPDGDFRLLKVLITLLSSKDEEVVAIACYDIGEFVRFYPNGRSITKRLGAKE
LVMP LIESENVELQRHALQCVSKLMVQNW

>comp3842_c0_seq2; 171 244 474 LEN=609; translated
MSVDNITSPVAAAFPNIQWDALGSLRLTAQETALLRMAETNP IDYTLADSRDASMYARVL
LKL LAEAAAAGAGTGQ

>comp3847_c0_seq1; 397 470 1414 LEN=1984; translated
MSHKRNSSAEKMDKFI FCGSGDRWISVWKIATDDDVGTPQVITRRLK FVQKLGPHGTW
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TTLSSDLLCLCLVPPTVDSDEGLSRLLVSGGVDGRIHVWTS DQYV KRKEGNSYVDVRNPL
HIALAHDRVNAIAFSSAMDVIFTIGNDGVL S LFRV SFGKGFELISRVEIEDSSKETLLR

LTAMEIVVDSREQNECLVAVGTS DGELHFVTTTRIGDDGSLVSQLQDDHVKVAQNSMIYSI
SCKEEEGTKSAPRVW
>comp3859_c0_seq1; 276 349 1391 LEN=2255; translated
MSNAVRAFLLLSFVSVIVEPFPVALSPKSSATPEHARLFISRDDSIDAENVRNIDTQAEIG
SNSSGSEDTKALSGLLDEMFOAKQEMSREKKELELLSSQDADMPVLGNDGVYRIISQSQL
EK SXEGKLVVKIKCILSTLRQSPYVSLIFLASFRNFKDANSKLVFLKFSSPICAACRML
KQKFQTLHRSPKFAGVPVVFADIMI SNKKVKDPFRDYVTSQLRVQRVPSIHFYARGNDS
DANHIY CDDGGGACSWPKIQRQMLAFVGEHYTAPEKVKTTHEMSSSNAAVAEATSPXVNY
DDNSDFNNGYQKDFQTQTD SRAYSILAYVENKKNVEYDLVFGPRKR
>comp3859_c0_seq2; 340 349 1292 LEN=2156; translated
MSNAVRAFLLLSFVSVIVEPFPVALSPKSSATPEHARLFISRDDSIDAENVRNIDTQAEIG
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ENFKDANSKLVFLKFSSPICAACRMLKQKFQTLHRSPKFAGVPVVFADIMISNKKVKD
PFRDYVTSQLRVQRVPSIHFYARGNDS DANHIY CDDGGGACSWPKIQRQMLAFVGEHYTA
PEKVKTTHEMSSSNAAVAEATSPXVNYDDNSDFNNGYQKDFQTQTD SRAYSILAYVENK
KNVEYDLVFGPRKR
>comp3862_c0_seq1; 315 317 778 LEN=1108; translated
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AAGASFWTMAAILGGEGVLVLLHDALMRDRPVKP
>comp3862_c0_seq2; 315 197 658 LEN=988; translated
MTPPP HVKIIISGAASTLLVLGLRNLFPAGAKIPFLPKEHDLQAYFWGTKNPDELVPGQK
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AAGASFWTMAAILGGEGVLVLLHDALMRDRPVKP
>comp3863_c0_seq1; 269 1 1442 LEN=1442; minus strand; translated
XASPENIGQKLCGAHDKIETMVDALGSSTPQKSFPNVISRKGSHIKVAQVENGNREILI
QVIDKEKT TICAPGFSRLYDHI PDMVSQDSVKNEIIQVEDSGQYVPLEATDEVERSVAAS
GSSRVHGTIPNVGRESSEHDVALVEYDSRQDNPFEE SNGLPSVVESNLLQQAVNCQSA
TKD VVATEFDVISTLCTPKFDQESVSEMSFSLV SERAKDCKRLMAPAVASQLDLSSCGSD
PDHIFAKKSEPEDQNKGCSVETPPTMEKDELKSLVRLVASRDKPPGTTQRERPIYSLPKK
MPFHRTQERWRKGS PAEKFRKRIRTPSTPNRVETSRSPPFFGRDKEGRLVPTDGSVVGWFI
SPGRYSSIGSPCRTRCTQSNAIITG SVPFEKISLSKGS HR SRMRNENDSYSSSSSLIGS
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R
>comp3866_c0_seq1; 498 63 1856 LEN=2109; translated
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DYAPDNWGDISCNEGSKLSECI GYPDKWETGREWGISKNYCKSCPAGENNGCGRHHQSPV
DLQRGVGLDFNVSSKYYS DIANECIDLHWMKYEDSFCSMDQLENSDAFTIERHALRIAQP
ISVYDNIANDKDGVL DGVKLECRLEGRGSRFGRIDYSKGFSEWWHL SHIDIHTPSEHYQD
GVQYDGEIQLQH FYSVPARETQTNVNNEMGTVSVFFMAYEDAAPYRYLDKVICQWRRKEY
EVRKECGLDPVDSTYPGCFPLNKGRNLRHKTGSEKAESKFKRHPKGFRTIHDVILYNDF
NKEHPNHTDVHVHMEESNWDPPDDS IDWDSFVAEQSQKLKDEEELYQKMMEFENRTSGNG
NTTEEALREERYRKLIDYEEIPWFNYWPMIGVQTEYYFRYSGTQTIPPCYGFDFSSSRK
TNHWRVMKDP IRIHPRQLVELRRLIAERIA PKGDPMKSCRADTA AAKVNIDSSRDPSPDKK
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>comp3866_c0_seq2; 286 152 1141 LEN=1394; translated
MGTVSVFFMAYEDAAPYRYLDKVICQWRRKEYEVRKECGLDPVDSTYPGCFPLNKGRNLR
RKTGSEKAESKFKRHPKGFRTIHDVILYNDFNKEHPNHTDVHVHMEESNWDPPDDS IDW
DSFVAEQSQKLKDEEELYQKMMEFENRTSGNGNTTEEALREERYRKLIDYEEIPWFNYW
MIGVQTEYYFRYSGTQTIPPCYGFDFSSSRKGTNHWRVMKDP IRIHPRQLVELRRLIAER
IAPKGDPMKSCRADTA AAKVNIDSSRDPSPDKKYVKVDTARPLQSWDRVHYKTFCECKDW
SKW PADRQWCKIQDMNTRFFKKKYNFDAY
>comp3878_c0_seq1; 249 130 419 LEN=419; translated
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QRAAKAAAQGGKAGGKQLQPTPKHVLAAQQQQQQX
>comp3886_c0_seq2; 1047 628 2589 LEN=2626; translated
MDQPASTNENVGSGVGVVNDLMRVYENLTQSSTPQARVPDASKALSIA YNTNNGNSN
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HPTSDNNQEGDGPNAASYPQQQQRQGT SAYAPAPMGEAQPGSPPQSGNKDGGSHHSAQ
PPGEE THHGNHNIVRSSII SNQQQTADASSESDKSGSGGRSRRKRKQQQEGVNSSGGGK

KGTRNKSKKEDGRWSKRFTWPEDLHRDFVSAIFDVGLKHSSPSAIMEHMPKHEQITTE
IKSHLQKYRLHRVSKKEFISSYEASLRNFQONQSNVSTLVSGSGEVA AHLTSTALGTNK
NGSSGTVSKEGADHSNGALAVVHSGDRPKNISQPIDDGNDSLMLPQLTEEEKQSPIGAAM
GYLMGLFFSLKQQLVIQRSLEASGEKAKGNTMFSSSPVAIAPGSTNIIIPAAATATAAAVA
AGVEFAANGTMQQSQQLSAPVSIKMEENSMMKREMKNQMALQNKMRALKQQELAKYNN
INNQEAVPDPVMNTAAQHGGSTDPHFSETGGGIDRSSNSMLGVHTVVRVEQKQHQP IGGNN
SNAVATQSEMAGTDMSSGQAYSNNNDTSM LDAEDFWHTDVVDEQLFEFLMNN
>comp3889_c0_seq1; 640 206 1813 LEN=1970; translated
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YLM SHFADEVTDLCHMIAPNPDQGSCRSTGFESLNGSLKRAFFRQAVQHAGTANFPVDLV
ASWGDAGYIISDKSNVEKDALRNDLCSEVYSSIGEDFIDHIPDSKIPIVSSNEPKRMSPP
VSAQEEPSTFTTVVQVEKEDNVLNMGAIISISCAVAALIVFFYFEARRRKAARVSRSPHG
NKGIDDDGATRVSTFAGGRNNRFRNFRRLSSSTDGSFGPVEEVKDAINNADWDRVYKL
ASQLAENDDSLSLPSLDSFNAENRSHLCAEDQERTKTLDLAASGDWTGLAVTAALYAGE
TSASSHDINCGIDSPSSRRQTLSPSQSQDVEEGCASMEQMVSGLGVALNAGNWSQVSKYA
NLIKDQKNACNSFDTDTDVISSASVSSAGSNDTEMSKKQTIEKLMRSGKWKGVSIMAN
MYEMESKQQISSTSVRPYPNSPSHPYTERRSIVRTKELQHEDRVQENIVSFRQDP
>comp3893_c0_seq1; 308 317 736 LEN=928; translated
MLPSTTTFAFVLLVCAAVLQAEAF'TTTTRKAGCSSALQADRRDFLNAAFSTIAVTSFPLI
AGAEDLADDLAMPSEEEQRKAEADAAAERLRRKAELQKKNSNP'TDFRDLAKEREKQKNL
QMSKEERNALCEELGRGC
>comp3912_c0_seq1; 647 228 1886 LEN=2078; translated
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DGQSF'SMPKVFQIGIKGAVPGQSPGRYRGYQSHTQNFSSDAPLTREQEDAQLHKA IQAS
INESRQHLGEIPKGNPPPSNNTSDLLGFAGPPAPQPGAYAPPSSDARSVASYSAP'TTYD
QSFQSPPPPTYPAPAQPSVAQGAIVPAVAPPSYQAPP'PPAAVPTYASPSVPPQYVS
PPLPPQQAFTSPPHVPPAPASTPVGDVFGHLQAPVNDPFAPKPPPPVDLATAVMSAYHS
PPTGTATPQTPMNERNEAQSATPQTNGNNGAALSMNSLTIASAAEEKPKSEFERALCNLV
NIDHIDEPAEGEVKLTMMRKDEK'KKKAVNGKSVKPPICLGIAGSNAPLSQIQKDFASPK
SQTTEGMNAPPPGVFSPHAAQGGALV'VHGQGPPLQQAQGFVGVGAMLPNGGFQ'NQKNAV
PGQYMQQR'LYQ
>comp3918_c0_seq1; 289 63 932 LEN=1048; translated
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GEGIVDEVVWNFSQNGLVAYNNGELLESNSISKHLGEDNIKRIVN'WVMKYLAELDLPVKV
RNHETPTEKFHLGSDCCPLTITRARSIACLDAIQIFREELLSNSEAAXLNISPIGRNCSR
EERNDYEVFDLANNIRK'NMVEAMKKEFSDLDMTYSIGGQISFDV'FPTGWDKTYCLQYLKA
EDFDEIHF'FGDKTFEGGNDFEI'FTSERTIGHTVTSPEDTMAQLNELFLS
>comp3918_c0_seq2; 375 63 818 LEN=934; translated
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GEGIVDEVVWNFSQNGLVAYNNGELLESNSISKHLGEDNIKRIVN'WVMKYLAELDLPVKR
GTFV'EFRSGMLNISPIGRNCSREERNDYEVFDLANNIRK'NMVEAMKKEFSDLDMTYSIGG
QISFDV'FPTGWDKTYCLQYLKAEDFDEIHF'FGDKTFEGGNDFEI'FTSERTIGHTVTSPED
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>comp3922_c0_seq1; 882 258 2651 LEN=2786; translated
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SGGAVLPLLDQFHPDN'PRHAELGAEP'IRWITNSNESSGHIAEGYAKSYPINGEHK'PVGV
VVATSGPGV'TNLV'TPIQDGMCDG'VPMVVL'CGQAATTAPADAFQ'SAPAVQIAEPCTK'FSYQ
IKSAAELPFVMDYAFYV'ADN'GRPGPVFIDLPKDLQ'NQLTSEMIDEYVESKIPDKKHDDA
MGVASMFTAQRDTGEAFKAI'RLGFEEKLSFEINDQ'NDLVPISSTTDAFNADH'HSNKIF
WTTNALTGEPNPITKEGDLEVN'AEITDDILKFIKRAK'KPIIAGQGCNDSAEELKEFAEK
LQIPVCTTLHALGCFDERHDLALN'FVGMHGHPTPNFMVQ'eadLIINVGSRFDDRI'GGRMS
DFVPGARKAAELGVGGI'IHVDVRLTEKAKQIEPN'FFVHSTGKNFLRTMNKALSQEEDLPV
ETSEWIERKNELEAKYPI'ITIPKFEPE'ITITMADENGVEKTAIKKPLSAQSVIKVMDQ'ELLK
ADRIDDAI'FTTGVIHQMVAAQLITWTQ'PRQMLSSGSLGTMGVSLGYCIGAKLANDK'KIC
ISVDGDG'SFNMTFTELKTVAEQGIPIKILL'LDNESQMMVEYWQ'RLFHNDRKLAVRNK'NPD
YQTLASAFGIRSMIAE'SEDELEEKMREFLFDY'PDEPVL'FHVRI'RRTPCLPLVAPGQ'PLDD
MILEDINVEVDQSAAPS
>comp3925_c0_seq1; 213 93 917 LEN=941; translated

MPLDSKTHSTLRGAVLIYVVLVKFLLSSPTIGAFWNGCNLVTHFQSRVKYSDPSHCRMQLCASDSGDDSTSTDDPRISANLVYFDIEVANEP IGR LI FHVSNPSPLPKHAENI IQLAKGARRGIDPKAHYVGCEFDYSPVAVEDGMGRYRWSHQLKGRGRNGIGRADELIADPKSLSE CCHSTFGGQYGDLYTI IDNDPGVLLTVPVVGPGYSSKFSIVRVGESPKWKETLLINS GVIGRLDGSLSLEVLHAMARQRRGPPTVVAAGVLQ

>comp3927_c0_seq1; 485 1 1356 LEN=1464; translated
TGMPYAVGELELALALEDCVSQAILLISRQTSDDGGDEGATAAATAAVKNLGI LTASNRDEWTS NRARLIEAIPGMKAALEKLESGLLLLCIDGEDNGRNAQVDSLSONARSYLMGTQGRWYDK SIQFIVTPSGNLGLNGEHSMMDMGMP SVGLCQYILGQEASPNKRETEPKQKHPTPLFSPKV APIFANQTIKELTNASLDETKSMVQKATADFDKIRSSLDLEVQSFQGYGSTWIKTNAKCPDAYVQMAIQLAIGKLTTSKAFNGNDGSRYVPWATYESTQVRSYRYGRTE TTRSVSEES AKWVGSMLGNNSNAEELKGMFHEATQAHVSYIRNASQGGGVDRHLFGLQMLLAEQEKQNK QAVDLFEDPLFVESKTKWVSTSTLPVNPFGFVVPVDPDGFVAYHIESNRIFFTCTSYKGL APALSHYLEESLVDKEMVLKADNPNDRSKL

>comp3929_c0_seq1; 90 1 251 LEN=251; minus strand; translated
XTNGEELGDPCCTWVAGSSEGANPVPIEAFVPSHPGLASHVPEGPVLDLATFCESEGGSG EAI VADVEVDAAEDEDSSLSVVDX

>comp3931_c0_seq1; 309 120 674 LEN=872; translated
MKLSIPTIFVVALFTKDCDCFTSGKARNSAVFLPAANSEHAENDENGGVVSRRSVAVAAY FYSASASLVAAPMVSAFETSDFSLPTYDTKMSGFGESESYVKKGKIATLGESGDAMMT DPGSDEKEKQAAAMRKAEEARKAALAKKLAERKALEEEAKRRAIEKKARDKERMKKMWSS DFSE

>comp3936_c0_seq1; 945 560 3280 LEN=3779; translated
MAPMMMATSGQSGSVVRATTSRCLKIRTLADVLPTVLQSVVSSGKMSILFFLGGHMLFA LWLPPFWLLSFVSEVGVYITVVC SIFLVGRAIRMI AFPGSSYRISSEIEKEFAKYSVRI ITVSATSLIDLANTIASNDTYEIPSLWKRAKSYRDRVLGVYLEVLHTLTFQDDN NISPNS ASGLNKYGNLYLVDIGNLSGLTAEAMTDGRVLLNHLNDV LGQVNHLEDEAKSFLENGIG NPSESARRIARNIVASATELRDLAESLKPPTTAGSTTALSGDDGNLSVDEVRRRLEEEQ ANASIMDTIRTGLSSILPMLDPPPHASIFGFVLRGCVLSRYRGARQLWVQRPSSGMIDC LYIPAKPTGTPIAGTSGSRKANAVMYCNPAGLIEIAAGMSLAGGNVTSEIDNDDNCWTD FYTQAGFDMYLFNYAGFGRSYGGSFCGMC SRPTDGSYTHGVWDRIKRIFYGLLFSFTPTP DSLRADGVAVGSFILSQMDVDSLVIHGESIGGLAASHTGRKLSENSHHKDRISLLICDRT FCNLEAVAQRLVGGWSGYAIRMLAPLWSTDVVGDFLSAKCPKIVANDAADV IADSSSLK AGISFWKEIKRSASSTNGIGWMDAPLHHRMADWENVCVAGSQYVPQPRITRMTAPVWPA DKHMSLDEAFHFAACAKRIGKVASIEKKRFAAMVSSGILNAEEGVADGCQAPIYLVWKFL GCCEGLCGSALGVTVKSGFDTTVSWLCSMCFVGGQTVVEGMEERHKCADLNELTQVSSD FDCRPPGWEHQESD TVVHPKPIPEVVAALQKIVADNPND EILNSASHEVSYVVGTLNYVT ARLSAKATIEASWKSRLHLTGPMAEGCFMNLHCGHNHQYSAVERARLKAVLQQVTEATS SPFPLV

>comp3936_c0_seq2; 885 560 3043 LEN=3889; translated
MAPMMMATSGQSGSVVRATTSRCLKIRTLADVLPTVLQSVVSSGKMSILFFLGGHMLFA LWLPPFWLLSFVSEVGVYITVVC SIFLVGRAIRMI AFPGSSYRISSEIEKEFAKYSVRI ITVSATSLIDLANTIASNDTYEIPSLWKRAKSYRDRVLGVYLEVLHTLTFQDDN NISPNS ASGLNKYGNLYLVDIGNLSGLTAEAMTDGRVLLNHLNDV LGQVNHLEDEAKSFLENGIG NPSESARRIARNIVASATELRDLAESLKPPTTAGSTTALSGDDGNLSVDEVRRRLEEEQ ANASIMDTIRTGLSSILPMLDPPPHASIFGFVLRGCVLSRYRGARQLWVQRPSSGMIDC LYIPAKPTGTPIAGTSGSRKANAVMYCNPAGLIEIAAGMSLAGGNVTSEIDNDDNCWTD FYTQAGFDMYLFNYAGFGRSYGGSFCGMC SRPTDGSYTHGVWDRIKRIFYGLLFSFTPTP DSLRADGVAVGSFILSQMDVDSLVIHGESIGGLAASHTGRKLSENSHHKDRISLLICDRT FCNLEAVAQRLVGGWSGYAIRMLAPLWSTDVVGDFLSAKCPKIVANDAADV IADSSSLK AGISFWKEIKRSASSTNGIGWMDAPLHHRMADWENVCVAGSQYVPQPRITRMTAPVWPA DKHMSLDEAFHFAACAKRIGKVASIEKKRFAAMVSSGILNAEEGVADGCQAPIYLVWKFL GCCEGLCGSALGVTVKSGFDTTVSWLCSMCFVGGQTVVEGMEERHKCADLNELTQVSSD FDCRPPGWEHQESD TVVHPKPIPEVVAALQKIVADNPND EILNSGEF

>comp3940_c0_seq1; 227 324 677 LEN=881; translated
MVLPVATSASISRLVSHSASGASITDDFENVILNESSRSIDSEQDYKDELAFCRKLACIL TKERELPKLCQGFPAVLQTVNKHAEEQQRRETLHQKQQRNVQANNTASFMPPI SDR

>comp3948_c0_seq1; 421 93 1238 LEN=1482; translated
MMLRNCSRALSRTGPAVAPRSCFSSSSAAKGDGPKVTVKDPAPAEPKTKPKKQQLVAV GGNALQRRGDRLTIENMLKAAAQMAPTLAELAKDNELVLTHGNGPQVGELALERAAATFD

VLGAESMGQIGYVLAQAMQSAGCTAVPILTQVVVDQYSEAFKDPTKFGVPIYGSIEAQAL
AQSLGWTVKPDGEYFRRVVPSPPPVEILQIDAIKTLLEHSPGILPIACGGGGVPVARVPA
NPNTLQGV EVIDKDACGAKLANELDADGFIIIFTDGGGIWENFGKPEAREMEQATPEYLR
GTKAGAKFPGSMGPKVNALIDFVEGSNKP GAWAAVGD LK DAAKIVAGEEGTFVREEVENG
VQWRAGKSGPARKESKDPPPF

>comp3948_c0_seq2; 276 1 958 LEN=1202; translated
MRSTLCILRRAMASTDPSLFGFLPRRLASLASLPVLTHGNPQV GELALERAAATFDVLG
AESMGQIGYVLAQAMQSAGCTAVPILTQVVVDQYSEAFKDPTKFGVPIYGSIEAQALAQSL
LGWTVKPDGEYFRRVVPSPPPVEILQIDAIKTLLEHSPGILPIACGGGGVPVARVPANPN
TLQGV EVIDKDACGAKLANELDADGFIIIFTDGGGIWENFGKPEAREMEQATPEYLRGTK
AGAKFPGSMGPKVNALIDFVEGSNKP GAWAAVGD LK DAAKIVAGEEGTFVREEVENG VQW
RAGKSGPARKESKDPPPF

>comp3951_c0_seq1; 372 117 956 LEN=1541; translated
MAARIAVAASGAARRIGATLDTMGANMEVAKYTERLVPSSRIVSVDGVAPALPGANNFIA
PSASVIGNVTIGEHSVWYGATVRGDVNNVKIGTKTSIGDRAVVHVAKIQGDHPTVIGDN
VTIGAGAI VHACTIEDLVVVGE SAQVMDGATVGTNSVVAASIVTAGTKIPSGELWWSGAP
AKKERALTSEEIAEISESAHDTLELAYLHAVENSKDYKQLVEEEEEDRLDRKLRKNAWFD
NIPDPDDVLGQGVPGRIFNSTLTNPEEGLKMHAEKAKS

>comp3957_c0_seq1; 159 379 798 LEN=1031; translated
MIIGARPIIIPAAAGLLLLSGILHLSSAFSVQPP LTARDYTTSSTSAIGYTMQMP EFVVTL
PKSTWYDVANPTARRIVYDDGPTDEFMFASVGS DWPELNDIDMEERDNELPESMPNQPRQ
PWSRFNPLRRAKNLIRRIL

>comp3957_c0_seq2; 164 379 621 LEN=1141; translated
MIIGARPIIIPAAAGLLLLSGILHLSSAFSVQPP LTARDYTTSSTSAIGYTMQMP EFVVTL
PKSTWYDVANPTARRIVYDE

>comp3958_c0_seq1; 787 68 2869 LEN=3015; translated
MARSSFHLSLCLVAIIACLSPESARAGLSATAEKNSNQLYHERKESNVEKNFNQLPSIE
NEVESLFD EVSFYSAFQPSPLVDQTEHNNEIEDVFRRALQFQPTVNAPTFFQGAQGTRNRG
TSFLGGHLQEVGVFGG V GARRGGV RSGGQPPLQVQDQVRLNGHGPIPKTKGKQVSS LKM
AKSTKS IKFAKDKHKQFKKDKRYKGEKRDIDHKLTKSGKKDEKFSYDPYDADDDNFPLHD
DWTFD SWSWEVEEDDYEHHDASAQFKMPDSSTQSSGFGGALGGMRGWQAGTINSDISE
TMMGRMDLGGFSSISNWK PASEAIGAI PQQTNHMLHQ TDEASQNGVTTAQTNHYGQVTQ
MGGVSSHTGVTTAHANHNSQPSVQTGEASQSIQATTSQSNHNSQPAQTVGSSQSIGATTA
QYDYSNQPTQTGGASQSKGATTAPYNHVTKSNQLNFPTIQHMFVSGPIHLKAHSPVDVST
MDPEIFAILQ SILTPYLQETMGPTLHAYTLEVNYSPGHGKNVKGKDVVETLIEVNCFAFKVI
SDSVESFKSINH VQASRWIHDFFAGPEIYKLL EALRTDNIPVNDITFVDQAFQVSATVAE
ANSQMASGRYPVSKNNEKSSNGAFIGITLSVVI VGMIFFLHHTGRLPSKAQVGA FSLTAR
DSVAKHGATARHSIAKHSK SARKSIAKCI PSSMKRKESRLGKYTDDEVEGGRRRTYSGTF
RRHPPGGLQKAALQKKPARSEEYLGESASTSSSSAGGAARSCRKSSSFTDMLEQDDYSFS
NFEGDYEPSICAPSTPSRRTYNGDEASMTDTLGYDSSAHSRSLLDKVSNTV SQAASLLSP
GNSSYKQDASRSPIPSSAPRRVTAADIASPNADNWSIQSYQTKTPSRRSPSNHPLYRG
WNDSGPELRMQKSEINDSEESPGRKRLNIPRFT

>comp3968_c0_seq1; 353 72 1280 LEN=1545; translated
MPNPV LVA AVEGGGTSFVVAVAEINMQSNNTQILHRAEIDSSHDDPNRTLEECASF FRNH
KNISEDGYRALGVAMFGPLGCNAERKEHYGRILPTTPKKS WRGVDILTPLVKACESEGER
GRKIAVKIDTDVNAPAVAEYLAIKADPTATSNPISSLAYVTIGTG VGVGLVIHGQPIHGK
MHPEGGHVVPVQPLEGDNFTGYSWGANSKNPFRGKHTVESMTSSVALAERLEQLQGEEGNS
STNQQLNLR SCLADLKD DDDHEVW SHAANALANLCVTLALVTSVEKIVLGGGVMMNRNGLIE
KVRQQTRFLLNGYLGDLTDADLSEWITSSSYGSDVGLMGALVLAQQAIAEEAEREKATVV
PIKCLKQIAYGAGLWHGFGLGLSAAYIGICLWARS GKSSRR

>comp3980_c0_seq1; 265 83 796 LEN=924; translated
MTDQSSEFVTTAFTI PLEGYTTPPSYENESQNPYEYMPARPIGGGFLADATNDGDGSSCK
RPF SKRLILDLDNKDIPMF PAPERFTGNHINTIDYNRN YNKRLKAKSSAFSNEEIDIFSTT
SIVRKSLLRMQEAAITLQRLKKERAEANGTPDETRDSSPTGALSLSPLNISDRRSLIFH
STLQLHPSSSFSSLDSDSGSHCQSEGHTTKLKPRPSQQGVALGREIRRRDSGIARCA

>comp3985_c0_seq1; 498 141 923 LEN=1084; translated
MITRISFRNFLVMLAVFPSSVSSFNPLNTPKSSPSFHIEDGLKAATVDSTNEEDSWNSLT
RMIHSTIEEKG GDSLSEEAKDEI IKTAVAGSVLGTVVGSPLVVG AALGYAGSQMLQGEKG
DKAKQVMGQATREVM DRANSAIVFAKQELENEKDL SNVSAKILLAIKDKAGEIKSEAKDS
PAIMVEK LKQNMNSVESQDFKTLPKRSFGALKALLE SDEVKNVSTSAIDA IKAGLESEE

MKALQNRASKAVKDTLDSKK
>comp3992_c0_seq1; 372 106 1260 LEN=1374; translated
MARRDDFVIFYLALPIAVCIICFAAELQALTNTKSYTSINRRSSHISIQOTIQHRRFLLGIR
SKITASATLAGGDNKSEETIRVGDLLSDLPTPTLLIELSLAESALKNTTSLDDALSLLS
SKSVATGRPDRVSGNNAIDETVCEQLLDGSIFLHTRVTDTSVRDRINREHGSGKSPVIG
GVDACPDHRVKGAYLGLSNHHVGGYYWARGMGIGASLEAHGVAFRETPTPETETGER
KNTGSKSSEKLASDVGDDAGRSGGELYWTRRSSDPTKSNSTSGSDAASGALCRGDTTEE
SSNSNDGKRSEWADFLVPGDTVQLIPYSPVRVLRRESAFQRLVGVRRVGRPLGADPIVERL
WERETATAEESSNTTGFGLVPL
>comp3993_c0_seq1; 327 291 947 LEN=2499; minus strand; translated
MSLRVYMQDLILAHTSCNTDDDYEEENSIIKITIVNDNSSSSLSYNYEDESSHKDRGQCDP
SPSSAESMQIVEICNSFTDPVDECDKSSSGYGLQSSEHRVAQHQNKSLSDAAINNKVM
LDDFRRRQCFLRAKHPNRTAQANSQALQISPEPLVMEQTTMFVTPSASPTKNSDNVA
EDEDMGIGVSEDNTFRCRMASLKSSIQEDQESTILPLF
>comp3998_c0_seq1; 429 204 1760 LEN=1870; translated
MSSSSPTKNFNSPAAASFESQPHSPRSIFENSVVRTTEEDAGVIAEDEVNCQTKSKSLVPKV
IIPCGHDGYEKSRSSVGEKDIVLGRRYAVXNVEDALKTDWCMILTRNSLISFPLIFPPIV
VDSQSVQNRSEDNRFRRIIVNLYRDEYISSNSVERATIVSKVIALLEKDSYSFLRSGSLRT
PFSNRNSSYPSSLCDGYGINEGDSNGGLES GMFMDGQIRQMVSTSF SRLGRRRSRNDSSSE
FKDAIRQQRQ MIDATLNRTPN TLKNPAPLTKDKVSYLKASTL GANQSIAPQQQDGPQD
ELVPPLRASRAPAHSETKLAADKVQKVRPFSSAHESCLLQECQPKVPAPRQCGGELREDG
LLWSSGSR TSLSLLEGMDSTLVPTTSYLLPTIEENVFGTKARAGPNSGCSDDGTGRMEFE
TIGYTHQKVGELTIVRPILLPGVVGASSPAVKNETNEDRHNRRTRTSHVGN SDAFSTS
NLLVLSDKVHPDGLDENPHAMDDVNSVVSPTMLFPSQ
>comp3998_c0_seq2; 441 204 1650 LEN=1760; translated
MSSSSPTKNFNSPAAASFESQPHSPRSIFENSVVRTTEEDAGVIAEDEVNCQTKSKSLVPKV
IIPCGHDGYEKSRSSVGEKDIVLGRSDSVQNRSEDNRFRRIIVNLYRDEYISSNSVERATI
VSKVIALLEKDSYSFLRSGSLRTPFSNRNSSYPSSLCDGYGINEGDSNGGLES GMFMDGQ
IRQMVSTSF SRLGRRRSRNDSSSEFKDAIRQQRQ MIDATLNRTPN TLKNPAPLTKDKV
YKASTL GANQSIAPQQQDGPQDELVPPLRASRAPAHSETKLAADKVQKVRPFSSAHES
LLQECQPKVPAPRQCGGELREDG LLWSSGSR TSLSLLEGMDSTLVPTTSYLLPTIEENVF
GTKARAGPNSGCSDDGTGRMEFETIGYTHQKVGELTIVRPILLPGVVGASSPAVKNET
NEDRHNRRTRTSHVGN SDAFSTS NLLVLSDKVHPDGLDENPHAMDDVNSVVSPTMLFPS
Q
>comp4006_c0_seq1; 176 60 248 LEN=866; translated
MADRYGIVVVLKAKEGKIDELIELGKGHFVRQHDGREPGATCASIIMPLPDEPNTVRFFE
QV
>comp4006_c0_seq2; 191 60 380 LEN=632; translated
MADRYGIVVVLKAKEGKIDELIELGKGHFVRQHDGREPGATCASIIMPLPDEPNTVRFFE
QWIDKESYELHSAPNENLAVFLEAAGPILDGAPIVLS S PMLHYEKK
>comp4007_c0_seq1; 369 166 1002 LEN=1224; translated
MISKHRTAKPSTNELLVASGMALLVIIASLSDPVA AHRR IESCNHHYRKMYP RHYYYQRS
DCAFRRQKSLYNSAMNALDELVLAT TNSLSRQSRSRQNTAFSKQRQLRYSVEDFGTKGL
ELVIDLPGSNARDLAVEILQKDGTDVITVRGNRASHQNKLV TNLGF S QSF EVNSDDIDID
SITAHFSAGVLRIMPKIEREGTKKPIAII STNEYDDIVPIFVAKRDNRNDP SERKGNRQ
VVIEKNLEKSGDLKNSEKENYFTRGDNDLFISEEEDVW
>comp4012_c0_seq1; 407 7 753 LEN=974; translated
MKSFNVALSALMASSAMAFAPSSSTQSSTALNAEMPDRMWDKMVDPTERSASLPWLPRPI
NLDGSMAGDVGFDPFYLSSIPKNFAGFIQPPSWEETEGIPTLYWMREAELKHGRVAMLA
FGWVATDGGFGVTLRFPDIIYSVENIPNAYNAHNILVDQGSMAFLLFAVAFVEFCTGAAL
VQVSKGELEREAGDFSLDPLQFLK GKSDDEVMMKKTRELLNGRLAMLAFSAVATQTALGP
ETQGFYPF
>comp4024_c0_seq1; 220 1 936 LEN=936; minus strand; translated
FGSTGANIAMSTGGSMSPSLVRDTGESILDHHHLEDYSCEMGNTSENQNPTEDDLIDPID
PKPTEDDPKPTEDNIEISSCLSGSTMLEKEMKGLPKSHSSKVKADREDNSMIRVDSKDQ
YKAIGEHSIDPKIAEVESKKS PSENSEIEAPKKELTSLEKHICNDGRHRSIGGKVDEAASG
DAKKT HNEKINRGPTRKRKSLAVEKRTESIETLPDTNTKGPKTRRTRNRVSPSDDISAVC
RDADAVYEKRFMKAI ERGVVSLVMSGVEPKNMACVTSFCTMKSLNNEAVKVNVSSTIDSD
TTMCMPTASNN
>comp4040_c0_seq1; 193 294 956 LEN=1222; translated

MSSSSSSPPQCGVDYPELVVFDLACFWDQEMYEMPALPSKTVSGILGDSGQEGVTGAYS
GRNKISMHPGSMVALQEHARGDVYPGMKVCFASSADTPFAEKIGRATLKLLEVLPLGLTVW
DLVLKDWGDKDVNQIGRQPPLSSNKAQTHFPFIRKLTGIPYDKMLFFDDCNWGDHVMVG
RGCTEESTSRGVVGHRTPSGLTIKDWYRGLLELYREAQQQ
>comp4040_c0_seq2; 129 294 713 LEN=1542; translated
MSSSSSSPPQCGVDYPELVVFDLACFWDQEMYEMPALPSKTVSGILGDSGQEGVTGAYS
GRNKISMHPGSMVALQEHARGDVYPGMKVCFASSADTPFAEKIGRATLKLLEVLPLGLTVW
DLVLKDWGDKDVNQVRSRN
>comp4043_c0_seq1; 205 116 1410 LEN=1652; translated
MGRSQREEKKPCCTWPRILVLVVLVLIAGGVCLWKFGPWEDTINDVLDSIPIPGGSDGKIP
PPNDYIPQTLTPVSGATASPTAAPPDYDFIQCNDSGTTTPSNCCNGLEGLCDLRVNEVM
YATLHNAMATFENGFLFGPNHKFQLEGALEAGYRGLNLDICNCGGELQFCHGECRIAYFR
ASCKEFFSSKVGLIDXLIGIIFSGICALGPREIVDVMQSVNTFLDENPTEVIIFIIYQVND
DVDQEVDLNKFDYDQLLLVDGLVDKLYVHPDIEAPWPTLGEITDPEFNKRIVMFHYGGPNC
SIDPLACPDGLHLYEYEGSDNDWEHSGMESIRDRVNSCELGLNGFNKRDFVGLNNFVSP
SQSTAANKANEYSEVLDYVNTCSALLETDINFVLIDFWSVGDLPRTQDHNAALIERRRRQ
LQREERGLLRAE
>comp4043_c0_seq2; 311 116 1315 LEN=1557; translated
MGRSQREEKKPCCTWPRILVLVVLVLIAGGVCLWKFGPWEDTINDVLDSIPIPGGSDGKIP
PPNDYIPQTLTPVSGATASPTAAPPDYDFIQCNDSGTTTPSNCCNGLEGLCDLRVNEVM
YATLHNAMATFENGFLFGPNHKFQLEGALEAGYRGLNLDICNCGGELQFCHGICALGPRE
IVDVMQSVNTFLDENPTEVIIFIIYQVNDVDQEVDLNKFDYDQLLLVDGLVDKLYVHPDIE
APWPTLGEITDPEFNKRIVMFHYGGPNC SIDPLACPDGLHLYEYEGSDNDWEHSGMESIR
DRVNSCELGLNGFNKRDFVGLNNFVSPPSQSTAANKANEYSEVLDYVNTCSALLETDINFV
LIDFWSVGDLPRTQDHNAALIERRRRQLQREERGLLRAE
>comp4044_c0_seq1; 747 183 2402 LEN=2580; translated
MFIIEKNRAKNGRNGSLNRNVRKSNLASLISVAFMAMFLTAVVLWHDGRKTTTPARRNTSN
RFLTDVDADQPTLDDDNARTATCKRFLMFLNGTTDSDHQCAFYNAYRSADCAHETHAN
IFGVESADKDNSSTDDVIGIDDFEHWECDSIKGYNNNCEHDSGVHSLQLLGVLLVFL
VCTMIKAMLKWDVNWLDPACAFILVGTFFVGMRLRLDSRLVPKLSFDNDLFLQIMLPPI
IFEAALSIDKKAFRDLFPILLFAGIGTAFSSIAIGWMVHRVSNLGTNGSNLPWLDSL
GSLISSIDPVATLSILSGVGIAQTDTLTYLIFGESLLNDGVAIVLFEVLKDHLEGGDSL
NDAYKEMSMHFATVLFGSIAIGAGVGICCTLYFWALREKQSAVTEVGIFFCWSLIPYYIA
DGLHCSGIIAIMVMGFILDFYVIGGVNQEQHAWREVLQOEHENATMQNTRNYSVSNQLN
RVLKDAFSGKGHILDASRNHVGF LAHVAMIMETAIFAYLGLFLFKDNEWNSRLIFTAIA
SCVSSRFMMVVSLSFLVNI AVFLDFENRIGSICKSVNPFQRINLADDDSVGSHTRKYLD
RKTQLVLLLAVRGAVSFALVENIPVWDNVSKTGSQFKAELKAMTSSSIVFTLFFVFGALT
YMAVKHDPESDSRARAVLLNRLNQPMDGTELSETQFERDGRSGGHHQTMSNGQHADGS
RGPQEELNDSDAVYQSSNEW
>comp4047_c0_seq1; 150 114 566 LEN=1232; translated
MVVLEAAAIGAASYGIYKGGEGAGIQKGKDCRKEFKREQKRSSQSVLHQKTRSRSSRIAE
IVQMKNKGNEASAAAVTSARGAGTGSGLHATSFA SRLKSANEASTDIDDRHRAVME
TLR
ASRKEESKKEAKTKVGSKLKALTNPFKKK
>comp4053_c0_seq1; 371 53 1723 LEN=2086; translated
MRRYPSTPAFVFLIAASFSLPLRQLTCSGSEDASFRFRPPPPPPGSSFNVTSDIGR
GYR
NDANKEGPTSNNGSAESYGYDDMQHRQKQQQEREELSSSSHSSRYPFYESTESVGG
PHT
T
QSQVDRSSSFREREQKQTSSLP IHYDFPISDDGATE TMGKGSQRQRIDNTRDGV
DDEE
GMTSSARKDLVTRHWSTKRKQVQIQTVIGLVGYGSGRFFLKS LMGDSMDVQWLGC
FSAVA
FIVSTWFRSPIGELSRVAVGLSLILVLRQRTQVIRREYPTWRVYVAA SVGMIRGG
PRDARGK
P
RGRPRFPFPPARNPWKYSRSPRDPDFNMTFALASAMVGS AVGGNLPFIPNWIGAI
IGAAF
SAFACTWQESHGDLARTMGMRRVVRVTELWEIQADLQIIPKATVVSSQIIDKAMIL
DRK
HRVKDRFLSLATKGYAQATRVAEQVQQQORGAKSSEGRNERVENDRVMPRGEDDES
IRGG
QRGGYDRGRDEKGDYFDGKPENGRRLMPRDKDGRDSYDFRERQGP RRRYEDDDDF
DGSR
RRDAYNHDKDSKDYFR
>comp4053_c0_seq2; 203 478 1170 LEN=1533; translated
MTFALASAMVGS AVGGNLPFIPNWIGAIIGAAFS AFACTWQESHGDLARTMGMRRV
VRV
TELWEIQADLQIIPKATVVSSQIIDKAMILDRKHRVKDRFLSLATKGYAQATRV
AEQV
Q
QQORGAKSSEGRNERVENDRVMPRGEDDESIRGGQRGGYDRGRDEKGDYFDGKPE
NGRR
LMPRDKDGRDSYDFRERQGP RRRYEDDDDFDGSRRRDAYNHDKDSKDYFR
>comp4056_c0_seq1; 770 1 1237 LEN=1493; translated

XRHQSNSKMKFSTFAFLATAGSAAAFAPSTGFQGR TAPLN MATEAAEETKAF AKLPASVK
PGVVVTGQALVDLLDHAKKEGFAIPGVNVVGVSSSINACMEAAK KYGGPIMVTF SKGGGYFI
AGKAADD TDDKASIAGAVAAAKHVHEVAELYGVVVLHTDHCQKAWLPWMDGLIAENEKF
YKENGKPLFSSHMLDLSEESLEENISICKDYMEKFAKLDILLEFELGVTGGEEDGVDNTD
VDASRLYTQPEEVWYAYEQLSQVENAAFTCAASFGNVHGVYAPGNVELRPEILHNTQKYF
AEKLDNGE EKNMKFV FHGGSGSSVEDIQYAI EAGVIKMNIDTDTQWAFWDGIREYEAKYH
DYLQGGIGNPEGEDKPNKKYYDPRAALRAGEEAMAARLCKAAEDLKCV DVLN
>comp4059_c0_seq1; 500 1 1178 LEN=1336; minus strand; translated
XSIVMNEVIRIHP ELQKNVVELLNMIEQSRLQIDQQMDHQKAQDLALTASNVT LKNLQNL
LERYSPMQILYDRSRKANRISLR LKLLVSCNYIKTAIAIIVTAVDKESSASNIEIPTGDDK
LCDV LGVDARSGLP HPLWTKKHDAILIRSVAKHGWVDVDANLKNIVNDKKIKWGF PFEAS
NNAPVQRIGE QEMKNMRETAGRAASILNEKPKILEILTGFNKKLGR CATAIDIFS FNYSV
FLPKVAHMLCALVFLFFKVIDSYGLTQQSEDDENDEMDDGEKKWRVDNRMLHQASKKSEP
VKEAVDLP AKKDFVKRAKIVIQKTF AKLRSEGTNSKSISSSTKAIDEDVKSNE SHGYIVID
QGSRCNILLAEMIRALVKGSTKVSQIRHMVR
>comp4062_c0_seq1; 306 113 861 LEN=861; translated
MVDICLNDKQCSNGGVC SGNKICIPSGTYGARCDAQNVDS DTDISLCTEDGNQCQNGGVC
IKDTTEINNVTVDANFCKCPDGYFGGRCHGHSGGGGSAAVPDGTTWISVCTQDGGECKNG
GTCVLETE THNGQVVDAN YCRCPDGGLGSSCDFHSSGPDGTGDEDEDKPEPEDNTEDEV
KPVVPSRSVCTKDG GQCKGGTCVLATEKVNGQTV DAN YCICPDGGLGSHCDPAKSSGQGG
ANDEVKSDEV
>comp4065_c0_seq1; 184 60 733 LEN=733; minus strand; translated
MSSNNIRRNPNNGSRRFLYGDQDEDSFSAHSSRSRNTQRSAGFSTRDYIVDQSVNLMDIGI
GDSASSVSLPARSSSIAGMFRSSVETEILNRFDEYGDAA PMADAE EYIDNDKRRRGTAMW
RKCRKALCSMYTLTLLVSLTGIFLVVYTLVLT VNTKGREKTDSVTKADNKSGSGSSNKDA
NHERYGMIRSRIVDAGVTSEGLFDGGSKSPQKLALD WLVLLED PAX
>comp4069_c0_seq1; 258 159 842 LEN=903; translated
MDANTGTPGQSASAMGTLVGMNTAKEKWDSSGANDAVSKFSASIPDSTKDYISQTTGQF
FSRERLRTVSVCFGIGEE RPFYVEKTPSLLL VRLKHNFQFFYLN YLLMLAVLFLGLTLFVT
PSAIIIGIALLAMAWVYVIRASQSGSLKIGSFSVTQTQATIVMGVVS SLTLIWI LSSVFWW
ALGSSGFLT VLVHAGLRDASMHQDGEDQVTMVGEVEPAGEQA AFLGQV
>comp4074_c0_seq1; 269 229 672 LEN=730; translated
MARVVRNINPTGNGAAMAIPGYGVAEQV FVGGFANFLSIYNI VITARVLLSWFPQAQGV
GVLQPIFQITDPYLN LFRGLIPPVFGLDLSPILAFVLLNVM TNVTA AVGAEITADDRKKL
QESSPFAVKPYHKKNSQKKYSPLMMQV
>comp4077_c0_seq1; 319 253 1785 LEN=2348; translated
MHSAIQICRSSVLLK LISVLQAPTWTNGYVFSNRNVPICEAGCHCYGSEGNCP SFPTVT
EDMLKTFRELNLVNPMKVWCDPLQLTECISTLEEGEACVVDLIAPDSIQEAPCPSGYSYR
LTTVPSLEDAIAEGQYI THTGACGTCSS LQDLALMIEYPNLPYKAQQCFFRSSALKNIEE
GIACYQEIGFTQTCSATLAYHQKRIETKVVDINAQLGHMMGIWGDVSDI IKDYVSSWLHA
KNFSLILQ LLLIHPFPISTDSSCEDVTGCGPCVDNFGIT AQLELISGRTFANS GYPSQKA
QQCVNIAPIDVIGGIDICAYAPIE EPPAMETEAPTMSPTALKTAVPTPTSIVQTSQY PML
STTQEPVEPPTGLPSVSLVEVTTAPAPVENVAPVEVTTAPVETTEKPVTTAPVEPTEKPI
LLITAFPTPD PAPLPTADLYFQQCLNSAAIEVRMGALSGSGVVCDCVEAEKGVTNNQDA
SRVPVDLLRQNAKSSMIFVRLMRIAVVLA
>comp4077_c0_seq2; 365 253 1678 LEN=2241; translated
MHSAIQICRSSVLLK LISVLQAPTWTNGYVFSNRNVPICEAGCHCYGSEGNCP SFPTVT
EDMLKTFRELNLVNPMKVWCDPLQLTECISTLEEGEACVVDLIAPDSIQEAPCPSGYSYR
LTTVPSLEDAIAEGQYI THTGACGTCSS LQDLALMIEYPNLPYKAQQCFFRSSALKNIEE
GIACYQEIGFTQTCSATLAYHQKRIVDKGCYQCATWAYDGD LGRPSCEDVTGCGPCVDN
FGIT AQLELISGRTFANS GYPSQKAQQCVNIAPIDVIGGIDICAYAPIE EPPAMETEAPT
MSPTALKTAVPTPTSIVQTSQY PMLSTTQEPVEPPTGLPSVSLVEVTTAPAPVENVAPVE
VTTAPVETTEKPVTTAPVEPTEKPI LLITAFPTPD PAPLPTADLYFQQCLNSAAIEVRMG
ALSGSGVVCDCVEAEKGVTNNQDASRVPVDLLRQNAKSSMIFVRLMRIAVVLA
>comp4083_c0_seq1; 508 97 1052 LEN=1052; translated
MMKSWADHCSSDED TDDNF SVGDEEQSDDDACEETSIEDDFSDKVRLQEQQQERTYDFP
DRPPFTAFIGNLSYDIQEADQLQKALVDVVRHLGERITPLGGHISYDRDNNRQHRGFGY
VELN TLEELKIVMKLND DQAKLAGRKVQVNTANNHNRSN NNFNRRGSSHNNHQHNSRG
SFQNDHRRNSNSGNNST DQKPYEKVDGSKFRGGIFSNKNNNNGSHNNGSHNNRNSNR SQ
PTRGA AVPRERPSLKLAPRSKPIEGEGRSSASNIFGGAKARDEQAW EKNRHEREEKQKQE

KQANEKKSTAKKHNNNNNX

>comp4092_c0_seq1; 212 236 886 LEN=1568; translated
MAFVPAFLLRGVDSFALHLSAAVYTRCRSTNASTDLRLWLSPEEITASLGPGRRTIASEPF
SWNELKEIVVNGDPTMHSRSMEVQESYLLHSRRIKSEWNSMNDYILHSKFGFEKITKNEK
FCSSPSLEQAKLEGRRESKLLRNEYYPYFVCHGIEHWCLWKLGSKVEPYDLWDWAKNKLIVEM
DRGNQGEIMSWVNPPNLQSIIPDIDHAHILCLRSDDI

>comp4114_c0_seq1; 246 1 540 LEN=540; minus strand; translated
DAVADDDDEDADMVTGPGSSSDSNVIDAMFRVAEFMSSPPTDGGVTFTGFYSLPTIQLLSG
DREFDLSMSELKECWADGSLGATRVDRAFERVWIEVQYEFQDIMTEARKEARKKTTKK
KVRGGAKSVSATPTTTTIGDNLSDKELEEVNQRVKNLSDDEVGSVLDMMEQMDPAQEARLK

>comp4116_c0_seq1; 650 137 1634 LEN=1736; translated
MNTSKANVEEPKKVSTTEESDEAIQNGKDDGKNAENVEPSREDKAPITGDKAKRFLPAYK
KANAALTFPEKEDHCARELCSVLSVEQVMNLTFSPHARLTKMMNLMKYVDEKSKSEKDFC
ISWLPEGKAFVIYNIKEFTSNVIPKFFKASKFCSFTRKLYRWGFRQLNRGIGPDEPIIFG
NEYFQRDNADLMVNMRISITAASIRKRESDLLRHMLASKKRALLSDHTSSYVPHQDGKQFN
MAAQFDQKQSVSRMANVLASQQRFGGGGVGSDDGGFSTNLSHLNNQELQMMYQSVIDQSR
KSSNGPDSGIAPIISDAMSQMSNPYGGFNTSGSSHQQEFNQMASMHMNSSSSNCSAMMGG
STSNFMNSQNCNSSSFDVAVGGNGCNGRMNMGNGYGNAMGLNGAFNNMMFSSDSMYGNS
SSRGNNGFNLSQQFDGDLNGGRKSLMNHGGKHNFFENGNYNFNFSAPMMNMINQQLFNLSS
SAGPGAGSDDLDFGGGQY

>comp4116_c0_seq2; 679 137 1543 LEN=1645; translated
MNTSKANVEEPKKVSTTEESDEAIQNGKDDGKNAENVEPSREDKAPITGDKAKRFLPAYK
KANAALTFPEKMMNLMKYVDEKSKSEKDFCISWLPEGKAFVIYNIKEFTSNVIPKFFKAS
KFCSFTRKLYRWGFRQLNRGIGPDEPIIFGNEYFQRDNADLMVNMRISITAASIRKRESDL
LRHMLASKKRALLSDHTSSYVPHQDGKQFNMAAQFDQKQSVSRMANVLASQQRFGGGGV
SSDGGFSTNLSHLNNQELQMMYQSVIDQSRKSSNGPDSGIAPIISDAMSQMSNPYGGFNT
SGSSHQQEFNQMASMHMNSSSSNCSAMMGGSTSNFMNSQNCNSSSFDVAVGGNGCNGRMN
MGNGYGNAMGLNGAFNNMMFSSDSMYGNSSSRGNNGFNLSQQFDGDLNGGRKSLMNHGG
KHNFFENGNYNFNFSAPMMNMINQQLFNLSSSAGPGAGSDDLDFGGGQY

>comp4126_c0_seq1; 325 129 1421 LEN=2047; translated
MPKHQRDNRSRRSAPYESGEVEEGEERERNRSSNRSSGNRRSKSASSSIHTPCATFDD
MNLKPDLLKGVYAYGFEEKPSAIQQRAIKPIVLGRDVIAQSQSGTGKTAVFSIASLQLLDE
TSRDVQVMVLSPTRELAEQSQRVMQSLGDFMNVNCHACIGGKSLGNDLKELEGGVQVVS
GTPGRVYDLIKRNALHMSRLKAMVLDEADEMLSRGFKEQIYDIYRFLPSPCQVVLMSATL
PSTVLEMTRKFMNDPIKILVKRDELTELEGIQQFFVAVEKEEWFDTLCDLYDTMTVTQSV
IFCNTRQKVDWLAEKMRNSFTVSAIHGDMQDTERDAVMNEFRSGSSRVLIATDLWGRGI
DVQQVSLVICYDLPTNRELYIHRIGRSGRFRGKGIAINFVKEDDVRTLKDIEQFYSTQID
EMPANVGDLL

>comp4126_c0_seq2; 204 1 1092 LEN=1718; translated
ILCKMANKNTTLGLTGLEPLTCRYKNRVTSTTLRCSAASSRFSFVDVLLPIGWKTSHKFS
TLCVLKYDDPSHLFLNNFMMVFFNKVNCHACIGGKSLGNDLKELEGGVQVVS
DLIKRNALHMSRLKAMVLDEADEMLSRGFKEQIYDIYRFLPSPCQVVLMSATLPSTVLEM
TRKFMNDPIKILVKRDELTELEGIQQFFVAVEKEEWFDTLCDLYDTMTVTQSVIFCNTRQ
KVDWLAEKMRNSFTVSAIHGDMQDTERDAVMNEFRSGSSRVLIATDLWGRGIDVQQVSL
VICYDLPTNRELYIHRIGRSGRFRGKGIAINFVKEDDVRTLKDIEQFYSTQIDEMPANV
DLL

>comp4127_c0_seq1; 337 133 894 LEN=1206; translated
MISLASIKSDTFLLVWNIA SVVTFLLPLFAFTTARLTTYGNEDEDENQNGNQNNQYQSNYEN
PDYYDEYGNYPNHWWEFWKKTNNRRNGNEENEDEL SAPWWYIWGEREGREPEEESRAV
LFVYLWLSLALLACIAYVGNCTGTVNIKLEKLRVILLGFANCCFVTIILLVGSSEDTIRTEG
REI EETGFYQRAVLLFLTCIFGLLQSI VVSWTSKR IKKLKIDSLTGKSDEYVNVVEFDN
APPAGSSGPSVPV

>comp4131_c0_seq1; 196 64 351 LEN=499; translated
MQIFVGSNAYEVDPSTSV EALKLQIENAEFVPAHQICLMNGADELEEGTLETNGVEGD
DA LEMRMAVTSGMRKKWKKKRMRRRLRRKRRKMRQAR

>comp4143_c0_seq1; 407 74 1024 LEN=1291; translated
MGRISSAIRVVALFSAVCSSLSFVAPALDSFNQRQCGDNNLHRHQSTRPAFGLDDTTDDR
LVDIRNALEKMSKLSQSKDESHMQTFETRIRKVISSGESSIPGAGRGLFATKNIKGT
V IGFFPVDGIGVEFDDGSSICGLTPEDQTYFDNTPKSNYLLNLFGRRLGTADFGE
DAQL FIDVNPGRTS DASTPWNGHLVNDGATVLENSQGLDYYAASQRRKNCVNI
PFGPSPLLA

VMTTKKVKKGEELFTTYGCLYWMEYILKPDEEVADVTEAVQLQARETAQDLDFDAMKDAQV
TYAKQQAEIEESFAQM
>comp4144_c0_seq1; 75 1 223 LEN=223; minus strand; translated
XREVDPTVFMHQASEEDGGVVSFADIGGLNEQIRELREVIELPLTNPELFTTRVGIKAPKGV
LLYGPPGTGKTLAR
>comp4145_c0_seq1; 69 1 205 LEN=205; minus strand; translated
XGVGDGSESTDNVTTTRGVVDNPQVALQPSIAQTNLLTQNLNLANFNAAQRQAAATTTTNLP
NFQPLIALP
>comp4151_c0_seq1; 821 153 2752 LEN=2752; minus strand; translated
MKSIFLFSALWSGASSVLAACDPETTVSLAGGVSKLTVTGFVDPIINYFSSVPGTVSKWN
VLHSVSHENKCSACVTGLGFSHRDLTPAACTVFRASIPYVKGDSVVLKGYDLFPEVLST
GDELVITAGEPCGSVSSPAAPSIDASGLAVFGATSYYFFGGHAFLLTAASIFLAMVPFSA
AAEEAVPSITVEIYVDVDKLLHEDSGNSDCPPETTLWKHHDSVFGGYEGCVSEKYLYPCA
QYVRPEDEWNVDRVPIDFVDGECIESGYTQXEQNLLDLVGGSSAGRKSMASSVSLFSMVL
DLSKLXRNNLTMMSPPCFHPNPFARIAMKYIPRNPQGDTLMEKTGLKPTAKFPLRRG
PYPYKTAEGFEEALDDSDAKAVALDFLVYLGAIIEESAKDDWYVTINEGAEQGISLWA
AKALEIAATTCNRDIYVLMAPAYGYDTGTIASWVNQNAEDFYSGEECLCYPLCNEPTVT
VNVGFFPGNIPEALGGDNVTYVADSTSPWFFESMVFPEEESHRIAFPGIPNRPQRD
ASHDASRIARDQPTQPNPTQSHPTQRVFLSPVFLGSRFWHSLPIQNPSGVIKTPQLPANR
RVCDGVYVWPMYFGMRGFEIPLDEMPDCDGSYAITKGYASVRAGFITIKKGSEEFAGY
VSKITSPFHLSYGTLSQWTWEGQMIQKMMMSRRLDDPTSWSVGAYSEIMKEKWEVVTEA
FRDCPVLELTNSLAGAYAFFVYKDPYLGQSGTYPSFFMDVLGIRATTYFWGFRGADPSE
YFGEVSTTDFTRMQLYRDVEVYHEVARRARIVCSDTASIGDLVSIDDWQAAGLASSRH
LEEGHDPETRRRLREELPHLHERKLA
>comp4158_c0_seq1; 366 1 656 LEN=1037; translated
XDDDDDDDDIPLAALKSKSPAKKKKTEAKTKTKAKAKAKTPAKKKKATPKASASKSTAS
GSSTKDDYSYPSFALYGTESLKGKLIQNLLCRWWYAIAPDPSAIPKEPPTDYDAMDGF
GVFICTQGEVGTIKDFRDKENTPCFNNFARKSSEELKELLVEAINEQKRQLVQAEGTGT
ATEKELDTMLKWAKKVNKADTEAAKILKANKLSIPA
>comp4164_c0_seq1; 216 139 915 LEN=1219; translated
MVEITDIPFVKPLAEWIWGEEGSSSCLSQVPFLSGPCLSQLLTKALGVLIILASMLNKIP
IMVNLKAQSAAGISRNSLYGEAIVYANCALYGFSLGHPFTAYGENASLLLQNSVLIVLA
WNFLSKTNTTPVGSDEKIMAILFFALYVAAVLNFLPEDYWYMLMSTTWPVMLYARGSQVYE
TFCVKQTGNLSIVTTTTMNLVGAVIRILTTINETGDVVMSGYLLSGSLSLMMFVQHWMYL
KNTREIAKKAEEAKKTD
>comp4164_c0_seq2; 195 820 1185 LEN=1489; translated
MAILFFALYVAAVLNFLPEDYWYMLMSTTWPVMLYARGSQVYETFCVKQTGNLSIVTTM
NLVAVIRILTTINETGDVVMSGYLLSGSLSLMMFVQHWMYLKNTREIAKKAEEAKKTD
D
>comp4181_c0_seq1; 153 1 442 LEN=700; translated
XFLADQAFACIPLARRAKTSALESIRDTTSLFATQAPSIARWVKTRTMNGLRITFAFFSD
QLKHVDYSNGVILPYLKDRWEYAFDRAEQEQRIREEEKLLKELLLLLAAAAAAAKEAAEHQ
MLWTQTMVAGACAFAGSVATTILWSVL
>comp4186_c0_seq1; 239 137 990 LEN=990; translated
MAKPSPLQPETGTLSSLSPSPRGKKRPGWGKQPAGIETGSELASGKQEKQHRHPERQOI
QHQQKQQRPNLRAQRIIVLGAGISGLACARELQKRGYEVLVVEARSRVGGRLKGEVLELG
ADYPVTLPELSATRTKTKRKRKTEGSSASKARTKQKRTTGDGNDSDSNKENHTATTRKH
PIDVGGALIHGIENNP IHQITSQMGVPIHSVSEYCLLTDENGWPFDPKTDERTSNFFND
LDVTFARAKLQRDSGESFGLFERVCREKTGTVAYGSKQKQKQX
>comp4192_c0_seq1; 364 93 932 LEN=1133; translated
MESEATTTAISALNWANGLAFFFNVLATFGSQSAKGMQDNATLSAKYQTLVTPAGYAFSI
WGIIFTTQAAWTIMQFGEGRSSSFVTETVGYGFVSACLAQALWSVVFGLQITASIVPM
VAILVSLPIAGRILTGSNDDESQNFVWTAFPMLIHAGWILAATLVNTNVVLVARGAST
SVQTLAAWASLAVLVSCGVGLLALPMASSGMTTSVSTPTVVVIPCVLAWASYAVSRELGK
PKASIAATNFSPEVVARTGMVARNGAFLIMVLVVLVALLR
>comp4196_c0_seq1; 72 1 103 LEN=404; translated
XIQSVVEAENGESGALCNSLHVVVEVESGESVSE
>comp4200_c0_seq1; 269 39 653 LEN=697; translated
MAEETHPLQNEWVMWEHKANQGPDPKDKWENMIQLCKISTVEDFWRYFQHLPKPSQVFF
DGECKRTVGPESKTIIEEYSFFKQGIPEWGDPOQVNTGGGEWFCRQCLASEVLDLYWQNLVM

SCVGETINDAVAPEGGESIEQYVNGVRVVDKSRAYPMYKLELWLNTRDPAIKDKIKNKLV
EIIITDQSSSTKKLQPKFDWRDHS
>comp4214_c0_seq1; 1383 187 4047 LEN=4641; translated
MLTKFESKSARVKGLAFHPVRPWVCASLHNGVIQLWDYRVGTVIDRFEEHDGPPVGVDFH
KTDSLIVSGGDDYKIKVWDYKLRCLFTLLGHLDYIRTVEFHPDPAKFPWILSASDDQTL
RLWDFQKRSCLSVLTGHNHYVMCAAFHPSEDLIVSASLDQTVRVWDTTGLRKKQTGQDVM
DPMRGPQVSATTNAAMNVQAELEFGTNDVVVKYVLEGHDRGVNWACFHPTLPLLASAADDR
QVKLWRMSETKAWEVDTLRGHANNVSSCLFHPKHDLIVSNSEDRSIRVWDVSKRVGVQTF
RREGDRFWILAAHSNQNLLAAGHDSGMIVFKLERERPAMCYNAPRSKLYYVRGREL FARD
YSRGDGSNDIPIASLRRVGQQAQTDGIGSAPRTL VYNAHNPSEGNVLCSDIDGGSYEL
LTFNGANVTDGKRGACLGPVAVFLGRNRFVFLDRHQRIIVKNLNETTKRVQPPVANVDA
LLDGGASGRVLLRADDRAILFEVQSRRILGELTAPKIKSVVWSPDGSKVAIVCKYGVVIA
DRQLEQLCSVSDNVRKISGAWDCSPSSDGTASNLFVYTTLNHIKYCLPSGDSGTIRTLET
PIYAVRVVKDQLHCLDREARARVIAIDTTEARFKLALANKKYGRVMHMVNHSRLCGRAIV
AYLQQRQGFPEVALHFVREPKTRFKLALACGDIEAAMESAFALENQTQQNSEIEGGSSTDE
TREIWSELGAEALRQGNVEMVEMSYQRTKDFDRLSFLYLMTGDTEKLRKMLKISNMGRDI
MGRYHNALFLGDAERLAVLEASGNLPLAFMCAKLHGLVEDADRIKVAIETNEGEEKMQT
VLEQTLAIETQNDRSGRLLQPPTPIFRDNNWPTLEVQKSTLADLTAAPVEEEEEVETQAA
LNAVSELEDDWQDAVDDSDLAADLAAADDDFGDDWGDGDDGLDDLDFGNDLDDVDGD
DFDNIADDSGFQLPPSGRPPAACWVANSSHAADHVAAGGMSSAMQLLNRQIAASEFSVLQ
QNMGCYAGSMMSVPGIAGSGSMALPLMRNDSGDHPGNASLPRTYITPKNLVDGVKSGYR
FFQGGKFNDKSAFMAVLTQIPLVVTNNPKEQAQIKHVMNVCREYITGIRIKGAMAEAGK
DPVRATELSAYFTHCELIPAHMVLALRSAMGTAFKHKNYILAASCARRLLELPEMSSERN
ADLKNKAMKVRQKSEQIARNEHELNDETKSFKIDCATLVP IYSGASYKSCSYCGSQYAG
DDMVNKL CSTCGLSQVGIKTLGLVTG
>comp4226_c0_seq1; 80 1 226 LEN=226; minus strand; translated
GDVKAVYIECLDYQKRGKGTRSSLPEDFFRYEYKVNNEIASCIATTPIISLWDGLVMGG
GVGISIHGKYRVATEX
>comp4233_c0_seq1; 297 1 549 LEN=719; translated
QQQIPRSLPVDQTTSFQQIEIMKITAI IASMAIGSASAFAPNPTIASSATQLSLFGGGGE
GGEKKAGGGMDQLAMFKKAQEMAQKKNKLDQELAAETFEGKGADGKVTATCTFSPSKNP
MDPQPDPYKVFDFDEDEWYESSAPEDISAGVKEALMDGIAVTNEAVNAKYSQLEEDIKNL
QA
>comp4234_c0_seq1; 956 1 1845 LEN=1845; minus strand; translated
XALGSSNGDGFQPDLEKQMKPEETVVATGTANEEDDEFGEFETGPTFHDGGVDATDHSKD
EFENREKKVENSLITSVDFPMVTDLGMTSEPMVAVAPQMI PATSAPSSLSITDAFSDMP
VQEDATLPSMQHNMATNTILEDKNLDEVGDVGFNGFEKVEAAPSEPKRNDQTKDDGDSDD
EFGDFGGVSSSDRGGNNELSSGSDVMGSDCVGINMEGDLPPSMTDIGRTVSEPIRVDETL
VPAKGMGTGHLRSISIDDAFGELESTEDRPLPSLEMMTANSNVGCLSASEENKKKRNES
NDDFGDFTAVRPQPEHLAGISSKSDGDEDFEDFAAPLENDERPPEKSHDKSEPFEST
GTMAVSDADRQIPIFDALGTEDAPLPSLEMLAATPDPNVESKDLVGVVDTHNNSDFGGFK
TADTHPSGSMGTNERNEQGELRYVSDDMKNESTSDDYLLQASTVLSTPAITETGPSLSI
ADPFGNLEVPDAPLPLGMSFGGTS DTRMSASKGTTASIVDLYGSSTTQNVGDSGDDFTSS
SGIERRGTVLSEADDFGDFGSAKLTI PADCNENSPGMAEDEF GDFGSAEVVPPIDNEIQD
GPSEEDDFGDFGSAEX
>comp4237_c0_seq1; 267 292 624 LEN=895; translated
MVLDEASERRFHSSDSNDNDEHQPKVYTYFTDIPLGLYIVRGDSVLLGQINPEEEDETI
QQGTVIMKKLDEEAFEAMVQGDDEGDEDESADEAAKGSHLEWDFDKDLA
>comp4237_c0_seq2; 268 108 902 LEN=1173; translated
MEENSEQQPATPMPPPPQVPPQKQPPLVGEVPPASREAMSPVQRGRGRGRNSGDGRGGS
GRGGRSGRGTGAGGRTIHPNARGRGRGRNQPNQGTQKIAPNTGIPFGHVPAYLPG
SSSLVEELDQRSMVVLDRDGRHIVGKLRFTDFQFSNMVLEASERRFHSSDSNDNDEHQPK
VYTYFTDIPLGLYIVRGDSVLLGQINPEEEDETIQQGTVIMKKLDEEAFEAMVQGDDEG
EDESADAAKGSHEWDFDKDLA
>comp4243_c0_seq1; 314 680 1971 LEN=2078; translated
MIQPLANLTNYCNLGCISWLTREFQGWEIFXMIFGACNVVGTAAVPKGSTNAVGNHGTVT
TCTVQGFLLIYVSLMTAFSYCSFSVYSYVGTLNKFDKSAFQNGMETYIHVLVHLYPLATA
LYITSQQLFNNTGFGYCFVEGDPICGGSPRATNEAIVPCDRGGQTYQTIQLVELLWDIP
LFIMLLFP TAVMITLYLKVKKRQDSILILSCEVAQQSLYLLVIYAGVIPS AVVHTLDFW
QFLTTELATNLTLSNVMATLCGLWTVIMYLYFSNPKTESVQKYRGGEEDGDGRENND

ADELDP S L S D G V R M N S G E S G A N I F S F C P E T E T E H N S T N D N N Q S N H L S L V A A G T K T T N T D P
T N A S T R R R N S S T K S R N R S G S D R V S R K F S F N I F D G T N A S S A Y S D F I F D G D S E D E R E D H R E T
Q Q W S S V Q D Q I

>comp4243_c0_seq2; 404 328 1836 LEN=1943; translated
MEGHDLPLPENYYGSSRTPLFLFLEFGMRRMADSSETNEMAEPQEA EAVPPIEFTHHQLI
AGMWTTRITGVISLVSSLVVRALKRRRKVFHRLILGMGVHLMIFGACNVVGTAAVPKG
STNAVGNHGTVTTCTVQGFLLIYVSLMTAFSYYSFVSYSVGT LKNFDKSAFQNGMETYI
HVLVHLYPLATALYITSQQLFNNTGFGYCFVEGDPICGGSPRATNEAIVPCDRGGQTYQ
TIQLVELLWDIPLFIMLLFPTAVMITLYLKVKKRQDSILILSCEVAQQSLYLLLVYAGV
IPSAVVHTLDWFQFLTTELATNLTLFSNVMATLCGLWTVIMYLYFSNPKTESVQKYRGE
EDGDGRENND S ADELDP S L S D G V R M N S G E S G A N I F S F C P E T E T E H N S T N D N N Q S N H L S L
V A A G T K T T N T D P T N A S T R R R N S S T K S R N R S G S D R V S R K F S F N I F D G T N A S S A Y S D F I F D G
D S E D E R E D H R E T Q Q W S S V Q D Q I

>comp4251_c0_seq1; 152 136 447 LEN=632; translated
M V V R L R L Q R F G R T H A P F Y R M V A A N A R A P R D G K F L E I V G T Y N P I A N R D G M K E I R L K E D R L K
Y W L G V G A Q P S D R V A W I L G K F G I L P P P P S R F N P E K S R V K K A E E E

>comp4257_c0_seq1; 367 343 1320 LEN=1651; translated
M S R T P S L C G G F L T D K R S M V A F T W S V T T V L T I F A F A T A L V L T V K V H T H Y K Y L E R Y Y D G D D W
Y E Q N Y A Y N Y D N S Q D E E N D N E N E D S H D E K Y R D Q I R E S Y M L L S S M S A K S V T F V A F Y T M V L A
T A L S M Y G T M A I V G F T S L R G V Y I A P C F S I G S N K L K V G I F G G A I V I F A N L L L V C A V V L G E V K
V A G N Y N Q E K E E G E D G E S S E P Y E V E R I A T I L A V T F M F L S V L Y T I F A V L L F L C H A G E E Q S I
L R I E Q G T G G V G I G R H V N A I G T S I P P S S L T R P S A K T T P L V G L G V G V D G N V D R S Y D S A L G V
G Q I Q S S T L G D G R G F I T M D N S S Q G T E

>comp4261_c0_seq1; 433 706 2207 LEN=2385; translated
M T L F W D I F F W L I P V W V F L M I P F S T F F Y E A D D G M L M A G T S V D P N P V K K S R I L S A L G Y T T G V
V V F I T V L Y V V A Y M T A S E A S I S V Q D Y M G N D L V S A S A L G N D R R G V V I T K T S I G A S G N F T T A Q
L A E M E G N P Y D Q A Y A S T V E N M G S D T L V M Q V S I S T F F A A L M A W L G W F L F A V F G G I G M A S M P L
D L I L V F K N R P R N M D A V E Y A E A Q K S L R D R V N E L V D I G E L I K I E R A N N P N M G T V G G M G G Y F S
A E K R K E A R I E R Q A L L E F K Q G V Y L L E Q D V E D F K A C T S D Y D N Y N P L R P Y I A L F L G I C S I V I S
L V W M V H I A V Y I L P T P P L T P F L N S Y F A W F D K W F S L F G V L S V A L F T V Y L L F A A V T G C F K F G L
R M A C I Q L H P M V L G K T Y M S S F L F N T G L V L L C A L P V V Q F S A Q A F S D Y A R N S T I N Q I F N V Q I E
N L T F F G W W F T Q K V F V Y I F F S F A G L T M L Y L L V K P K E T G P S G V X P P G P V A I E E G L S K H F K Q S
S A S K P T I R E N E E K F R K E T K K

>comp4261_c0_seq2; 782 37 1787 LEN=1965; translated
M A D I F L I V A T S V A F L L M L V I A I Y L L V Y Y S H P D D R N D A Y F P K L V V I I G I M L T G A T C L L L P L
D V A N N E G Y A G C D G Y N T S L C G G L N M T L F W D I F F W L I P V W V F L M I P F S T F F Y E A D D G M L M A G
T S V D P N P V K K S R I L S A L G Y T T G V V F I T V L Y V V A Y M T A S E A S I S V Q D Y M G N D L V S A S A L G
N D R R G V V I T K T S I G A S G N F T T A Q L A E M E G N P Y D Q A Y A S T V E N M G S D T L V M Q V S I S T F F A A
L M A W L G W F L F A V F G G I G M A S M P L D L I L V F K N R P R N M D A V E Y A E A Q K S L R D R V N E L V D I G E
L I K I E R A N N P N M G T V G G M G G Y F S A E K R K E A R I E R Q A L L E F K Q G V Y L L E Q D V E D F K A C T S D
Y D N Y N P L R P Y I A L F L G I C S I V I S L V W M V H I A V Y I L P T P P L T P F L N S Y F A W F D K W F S L F G V
L S V A L F T V Y L L F A A V T G C F K F G L R M A C I Q L H P M V L G K T Y M S S F L F N T G L V L L C A L P V V Q F
S A Q A F S D Y A R N S T I N Q I F N V Q I E N L T F F G W W F T Q K V F V Y I F F S F A G L T M L Y L L V K P K E T G
P S G V D X P G P V A I E E G L S K H F K Q S S A S K P T I R E N E E K F R K E T K K

>comp4274_c0_seq1; 318 126 1358 LEN=1461; translated
M L G R T A A A R L A Q R G A R C S P A A H R R A F G S T T S L G A T P P G D D K P D L F L P K I T D R R L N E G G P G
G R Q S N A D L R V A I F G A T G F I G K H L C H Q L G H N G A Y A Y I G N R G D E A E H R E L K P M F D L G H T R F V
F Y S P N D V D S M R E V I G D A D I V I N L I S K T Y A S G Q P V Q T D K F P F I G W Q T N H S L E D V N V R I A K Q
I A E L C V E M Q V D N L I H V S A L G I S E D H P S E W A R T K W A G E Q A V R E T Y P W A T I V R P T Q L F G S E D
K F L H Y F A N M S K M Y G F I P V C G D G S V L T Q P V W A P D V A K T I S R I T D A P E K F Q G R T V D C F G P S D
Y T Y E E L G K F V L D L T E Q D K K I M H I P E K Q Y I M M A K A L G Y Q S F V S F N E D M A K L W S R D I V P P M T
Q E E Y R N Q P E E G K I L T M E D I G I T A T P I E K E A F S Y L H R F R T A G H F G R V D G Y H

>comp4274_c0_seq2; 169 126 470 LEN=739; translated
M L G R T A A A R L A Q R G A R C S P A A H R R A F G S T T S L G A T P P G D D K P D L F L P K I T D R R L N E G G P G
G R Q S N A D L R V A I F G A T G F I G K H L C H Q L G T Y R L S R P A R L R H T H S W N P I N R Q T D R

>comp4275_c0_seq1; 103 151 464 LEN=464; minus strand; translated
M G F H G A K F P L P F G P A Q G E E G M R K N I E M V K K W R E A V G E D Y P L M I D C Y M S L T V P Y T I E L A R R
C E P Y N V K W I E E T L P P D E Y D G Y A K I K E V S T T L L T T G E H E Y T R W G X

>comp4300_c0_seq1; 456 191 934 LEN=1046; translated
M T I A L S A M P V T I R G P A N V D E C I M S S Y L E Y Q S F W P S I P P L A L T T S S S T S T T V S G T S I S T R Q

RPSHSDLVAKASDISGRKLCCLPPVKSSRKRPSLIDDEPSPAENHVNSGYCNSRKRKIKLC
SRTFTLALNPDAATRNPSTTLIMLPSEFESKGNDKLTISSDEDEDAGDDCCHDSKPPVGF
SKKETITPLSSPPSSRFFEEEEYVDGLHQDRNFFPQPPTFRRLTIRNSSDLDESIEEFT
HRRLFSE

>comp4301_c0_seq1; 459 1 1534 LEN=1665; translated
XDDEEEAEYLSDTDADDDWATEEAPFSEREWRPRRAGRFLARTWGLARGCLSFVLNVDNVW
DSPAFATERGAGGASKRKKCVVFFWFVAVLAGSYTIERSVFKLLVDRSGPFRLVAVSAVVA
FHALLAGGSLLSAVWSGRRGEREGPWGSSGAASAPALRALGIPVVDAGLMALLDVTVHMM
LVFLTGYHVAPTQTVILVQWTLPLTALLSQFFHGDGCVAACLPHQGPSERGHP SAGAGTA
AGRPLPGWGGLSIEHVVGSVVISLAVLLALAPSIYTTLVLDNEYFRYASPTKIPTQTAYNT
ILFVSSCLPAAASQLYKEHVFKHKQPVHQDHLNLFVLSVFQLVFAAIVSPLAYVLLGFAA
SDDWTELYPSSGFGKNLAEGLECFAGVLDEEEAENGFYDEANCRNSFSLVALYAFSVIGV
GVAVDKIVNGGATKVMYRGVSAGIILSVTSLYLYDLHIPDFNYGPAIDSLNLVCLILLV
GSEIYHRVSLQDASFETVYPEIESFFDDITE

>comp4301_c0_seq2; 430 1 1649 LEN=1780; translated
XDDEEEAEYLSDTDADDDWATEEAPFSEREWRPRRAGRFLARTWGLARGCLSFVLNVDNVW
DSPAFATERGAGGASKRKKCVVFFWFVAVLAGSYTIERSVFKLLVDRSGPFRLVAVSAVVA
FHALLAGGSLLSAVWSGRRGEREGPWGSSGAASAPALRALGIPVVDAGLMALLDVTVHMM
LVFLTGYHVAPTQTVILVQWTLPLTALLSQFFHGDGCVAACLPHQGPSERGHP SAGAGTA
AGRPLPGWGGLSIEHVVGSVVISLAVLLALAPSIYTTLVLDNEYFRYASPTKIPTQTAYNT
ILFVSSCLPAAASQLYKEHVFKHKQPVHQDHLNLFVLSVFQLVFAAIVSPLAYVLLGFAA
SDDWTELYPSSGFGKNLAEGLECFAGVLDEEEAENGFYDEANCRNSFSLVALYAFSVIGV
GVAVDKIVNGGESQATKRSSAGHGKFGSHFLFCFFYWTF SFCLGSRLTATKVMYRGVSA
GIILSVTSLYLYDLHIPDFNYGPAIDSLNLVCLILLVVGSEIYHRVSLQDASFETVYPEI
ESFFDDITE

>comp4303_c0_seq1; 250 1 639 LEN=639; translated
KKKKKKKKDDSDSDSSGSSSSSDSDSHKSKKERRRRNDDRTYFSDRKTIDTRSTAEMT
DWSRMPPPSYAQPVQTMPIIRPVIYSEYDYHGLRNSRDIFEDEQALLLSAKRAAKLARFE
SRMKTSLKSSLGKVHKETAARLIKAKQKAKKIEKKAVSEIEQTEKEKMKMSRSMRKLKRE
KEKMAEKLAVMEEERSESKSQQQHNLQQQQQQQ

>comp4306_c0_seq1; 331 41 694 LEN=1211; translated
MKISSSIFSVAAGLLAVACNKSSTLVSAIEVGDLSLPDGLTLHHGFPPERIALADRTKGKN
VLLVGLPGAFTPTDPVAXVPGYLANQKALKELGVDDIMVYCVNDGAVMAAWAEDQGKCM
ADAEDDEDITLHLYADPYGEVTAALDMEMTAAGPKMVGLINRSKR FALYIVDGVVQIARV
AEADDDPAGDERPDITLAEAMIDAIGDYNKKAAGGEL

>comp4306_c0_seq2; 315 41 895 LEN=1412; translated
MKISSSIFSVAAGLLAVACNKSSTLVSAIEVGDLSLPDGLTLHHGFPPERIALADRTKGKN
VLLVGLPGAFAFXADLIQSPGSRXVVAALASLITRVVLFHSLHFNGPFVSVSVSISLRFGL
FLTTRSLRDVLYQSRLPAFHELXVAPQGYLANQKALKELGVDDIMVYCVNDGAVMAAWA
EDQGVKCMADAEDDEDITLHLYADPYGEVTAALDMEMTAAGPKMVGLINRSKR FALYIVD
GVVQIARVAEADDDPAGDERPDITLAEAMIDAIGDYNKKAAGGEL

>comp4307_c0_seq1; 232 1 406 LEN=406; translated
NNNNNNNNEDYCLNSCLEDGLDYCIEGEEEGQMDIQEFAECRALEVEGQNNNNNNQNYA
NGNSYVQYYTGAYCTSSGVYAGIFTDPACTKHAPKGTYEKINYGYSLPTTPLVSSSTCLSC
KANQYDNDNNNNNYX

>comp4312_c0_seq1; 482 1 1672 LEN=1672; translated
XRATQGNFIKRESPADNGHNI SNRXGPNPIRDERRPIMNDPEAKNHIINDTNDVDILQR
KAHIMRSPVTVAAPSIAPSTDADDEDNGPTVQRKRRSLECEKQHRRQNRNRCDANKRALF
LLATTAAAAATICLSSTSSMNMIFVESFSFNPFRRGLRWRGRGTGGGQTISSASSSPAEEE
IEKMSKSLQNSIEKNYNSAKSTRNATPSLVDWKVQSDGKITGRSMNHPLVPDGEIITSL
VDPNCLEGGVKAGDVIISTVRGTYELKTPPVGSSYFSSASNSQTFSEDVFSYTTTLPYD
QQLAFLEELTDMIKTKQAAVEGTSSATVSQPASSSIAGSTVAPVAAKTL DATPSTAAPEV
DTSTKIQEQPEQPTQGAIQRGEPPKRPTYISISNIQQNQEQSKSKDKSSSTSNNNNSVLGG
VATLAAATTAATVTLGGQAGSEFLDGAKRQVEAQVPPQAKELIASVNTQVQKQSKVVL
YLEEQIKAAEALEEAHLEEKTKTAWNGLADYLDNQEIAKRETVSTTPITSSSEPGEAITS
ARISVGEAGTRMAAVEEGX

>comp4319_c0_seq1; 401 98 925 LEN=948; translated
MRSYRQKVLISIFLVTIFWYDGFTRAYVFRGCP SRSTYSFHGSYENLSSMRLNFSKDSGR
LSDLSDFGASSFDELEEEVLASTRAKMDFKQVKMTITEQPPPLSNEPQORTAIMAAQWKIS
LAAASFVSTFVTIATHSNFLITSVVFSVFLVANQDPLEEEGAAGALARLLGRLTIQSVE

TTKPKLRAMAKAAITSEEEESQEQVIRLLQQRIEVLEENENADLKQWKKQRNSADTLLSQYA
LEELKAMARANNLPVGGTKIQLLMRLLENRVLIPM
>comp4319_c0_seq2; 200 253 516 LEN=539; translated
MAKAAITSEEEESQEQVIRLLQQRIEVLEENENADLKQWKKQRNSADTLLSQYALEELKAMA
RANNLPVGGTKIQLLMRLLENRVLIPM
>comp4320_c0_seq1; 299 39 695 LEN=805; minus strand; translated
MHAGGSSLKLLDFFGDDKLFKSGAERLVIAGGLKYLFPFI FIGTRIPKPDVRSRSAAKAKR
KWLAEELKAQIIRIFYALSFLDAQSPKDAMSRFVAKFVEDDLKYCDRLVELLLLVYDERKR
KAEYSFFRSDIEDVLDANQVTLASF EAKLNGGGDICNRLAAITAFVCANSKRCHERISLQ
LRMQQSGVSLIKDALNEFAASLESGRQKRHIESLSEQI
>comp4326_c0_seq1; 138 1 450 LEN=450; translated
QHQQKQKSKSTNAVLSRLCSTIETIECVLGIRGQSMNGEKTNQNSIVGSTNKIQISK
QDPSIPC VGTGDKDRVDSGDGIAPTAANTTASTAAGEKQEGNGKTNANSREINEDAIGVN
NILTEVDNAVIAAQTIAFQPTNANTNTNTN
>comp4332_c0_seq1; 169 1 494 LEN=494; translated
DELDVTFHEASRSQKLSQSNGPITGILXRKNNSNNQAEAHHTTEPIMSDNDRRGSSSLFSNS
GAGPSGSAPEGQPPPGAQRSSSVLQP GALGGIAFGIDFDDSDYEDSDEDEDNEPAAAAPG
AGTGGPNHRPYVGGFAAAAYEAARMHHTQNTLKKQQKQKQLQQQQQ
>comp4334_c0_seq1; 74 1 381 LEN=1034; translated
AITYPKRMKLFQEA EFQAARDNKIQAVLPNLPVFRNFLT CNTAEGIPWTPPENDDID
QRISVGQGTENDGEDNAQPSNNSNRQITNSNRVSEHQNP HWTTCSPVSLGSTLAIGIPA
VIQVFTW
>comp4334_c0_seq2; 91 1 465 LEN=1118; translated
AITYPKRMKLFQEA EFQAARDNKIQAVLPNLPGEYPLVLGTIRFLDCSNKLTSGFFCRA
QVFRNFLT CNTAEGIPWTPPENDDIDQRISVGQGTENDGEDNAQPSNNSNRQITNSNR
VSEHQNP HWTTCSPVSLGSTLAIGIPAVIQVFTW
>comp4336_c0_seq2; 147 1 602 LEN=906; translated
XPIHFRQSSAKIKRQNRNQT HEAIPQKTSETTKMKNQSLSLALLATLTSFLVGRVVSVDV
DYEALNAAAEKNPAFRRSLENRHRSLQNKDKPAFDFFDPDEDTCDNSKNPTEDRALLSA
CDFSRFPTCGDNEEICYNRKPSRDHFHRDNHQHKFYIQYDRVFCYPDSWGGCSSCTPGRY
CKSEKRCILEEVGYPCQEW F
>comp4337_c0_seq1; 508 546 2449 LEN=2893; translated
MTRIQSMTIDPGAGLSVTPQDSDEEDDNDEEQGDHQLDLHHVNNDDRDGSKPFMTSSYL
AAVSPKDHQRRKKRKNKAMKDISFLRKRTSTLLALTEPESYLSGQQEAPHQQAHL SRGM
KINLNTFNFLIDGWAFSGESDADKAMILLERMEEMYRYGEDSPVCPDVR SYTKVINAL
SRSKHRDSANLAEQLLYKMEAMAESGENPSAKPNTFTTYTAAIEAQSYSGIKGSPEKAEEL
LEKMIQKYQSGDPDVVFNARCFNAAISSYAKSALPGAAQHA EYLFERMDGLYMSGVVEEAK
PNSFNYSNLITAWANCRDQEDENGVC SARKAQEILERMEQCYAAGDESCKPTTVSYNAVI
DAYAKSKQEEAAERAEQVLR RMGALYKEGADIQPNTRSFNTVINAWAKS GRADAAEKAQD
LLDFMTNLYEDGNAAVRPDAHSFCTVINAFARSNQLT DKAERANNLFRSMMDAYEKDPKM
SHLKPNNVAVNAV MNACAYTIQGDINEQNRAMEIAHNL LKILEDSYGSADQITYGTFLK
VCANQMPDCATRQQIMEVIFQNSARDGQVGNLVIQQLRAMGPP ELYYRLTGHYIEEDIRM
EDLPKEWVNVVEXTMEEAQARRPPQQLDQHPVE
>comp4337_c0_seq2; 491 546 2366 LEN=2772; translated
MTRIQSMTIDPGAGLSVTPQDSDEEDDNDEEQGDHQLDLHHVNNDDRDGSKPFMTSSYL
AAVSPKDHQRRKKRKNKAMKDISFLRKRTSTLLALTEPESYLSGQQEAPHQQAHL SRGM
KINLNTFNFLIDGWAFSGESDADKAMILLERMEEMYRYGEDSPVCPDVR SYTKVINAL
SRSKHRDSANLAEQLLYKMEAMAESGENPSAKPNTFTTYTAAIEAQSYSGIKGSPEKAEEL
LEKMIQKYQSGDPDVVFNARCFNAAISSYAKSALPGAAQHA EYLFERMDGLYMSGVVEEAK
PNSFNYSNLITAWANCRDQEDENGVC SARKAQEILERMEQCYAAGDESCKPTTVSYNAVI
DAYAKSKQEEAAERAEQVLR RMGALYKEGADIQPNTRSFNTVINAWAKS GRADAAEKAQD
LLDFMTNLYEDGNAAVRPDAHSFCTVINAFARSNQLT DKAERANNLFRSMMDAYEKDPKM
SHLKPNNVAVNAV MNACAYTIQGDINEQNRAMEIAHNL LKILEDSYGSADQITYGTFLK
VCANQMPDCATRQQIMEVIFQNSARDGQVGNLVIQQLRAMGPP ELYYRLTGHYIEEDIRM
EDLPKEW
>comp4344_c0_seq1; 283 283 1401 LEN=1651; translated
MILFHTTPKHKCFMWFLLATVAFAGENKNFNLRGKLSGVDDPQAQAGARLLRWQESSTT
TAVTTATATTTTTLNIANLAIGDMECEEAAGGSVVC AFRTVLP TSASNLNTGSVLVDCLRQ
NGSNSQYCVTTEVYRSSYQSIPEPKPQPKPEPKP PPINPSGGPGSGINPNIPRPEPIQN
VPDVPNVSPDPAPPQVPPVTPAVMLRADGCPEKTQLTGVRCDDFVPPGASETYCNYFSSG

SSTILRCGCTLRVGGV PARWVCGAVEEAE EEPPLAVSLQPPAPIGGISANVQSVVPPPD
PPGQILPTINNPAYCADTEAEC DGASCYMHQRCTYYV LDEETGDPTGANECGCDPMNGIY
KCYKSPNPIFNP

>comp4344_c0_seq2; 216 283 1587 LEN=1837; translated
MILFH TTPKHKCFMWFLLATVAFAGENKNFNLRGKLSGVDDPQAQAGARLLRWQESSTT
TAVTTATATTTTLNIANLAIGDMECEEAAGGSVVCAFRVTLPTSASNLNTG SVLVLDCLRQ
NGSNSQYCVTTEVYRSSYQS IPEPKPQPKPEPKPKPPINPSGGPGSGINPNIPRPEPIQN
VPDVPNVPSPAPPQVPPVTPAVMLRADGCPEKTQLTGVRCDDFVPPGASETYCNYFSSG
SSTILRCGCTLRVGGV PARWVCGAVEEAE EEPPLAVSLQPPAPIGGISANVEVLQSTSAL
YYTGNRSHVCLHCFDSVVSYPYFSP LFDPLLKYAWSHNNTLQFTTMNRKSKRSKAVVPP
PDPFGQILPTINNPAYCADTEAEC DGASCYMHQRCTYYV LDEETGDPTGANECGCDPMNG
IYKCYKSPNPIFNP

>comp4349_c0_seq1; 218 293 682 LEN=898; translated
MSSMNFSTSKQYVRPPQRGIFPLDHDSECRPFMEKYLECLNDSSQVHHKCKPLSKDYLCQ
RMDRQLMSKENLDDMGYAKNKDVVGAKEYDKAKEKAGFIAGKHIEKSSKWWFQSYKAKWW
GDDKEGEAK

>comp4349_c0_seq2; 195 306 473 LEN=689; translated
MGYAKNKDVVGAKEYDKAKEKAGFIAGKHIEKSSKWWFQSYKAKWVGDDKEGEAK

>comp4355_c1_seq1; 463 156 1184 LEN=1422; translated
MMMRITTVVGLSTAWFLCYVANIGSSVSATRAFHGQSHSFGVLSSSMGKIIHPPFLRACT
SRALLNTRGGADSDDEEEYSEEDSYDEEDESDEDEDLFDGFDLDEHSSDDFKEDNKFQDI
VEEYHRTPPITKAYLTSSFAVTALGYVMTNNEFPPI LTLDWNKVFKGGQIWRPPTAFNLN
GSLGLIGYPMTHFVHQYMSFLERLAHNKPYDFWIMILFGMTSMLVGYPIMKMSPRFLGH
NLSTFLVYIWSRMFEGVDVGVFEFIIHKAELLPWFLLAQTFLLGEPPTLDFLGIVFGHV
YYHFRKVGMLSAPQWLIDWYDNSPKAEILRKKYKTISSDFGV

>comp4359_c0_seq1; 243 1 572 LEN=601; translated
XRHNQPGSDFDCRPISSQIFVDRILSAVAVVADPKTPLVVCSEKFDSSQPAHRRSFRIDI
IETFMMEARKRGGTSRESVGDYDIETNQGVGAVDMASASPYSRMAKDPVEVVGAPDGIL
APGSPAESHSIRSLAKGFTWRVVASGTTIAIAKIVTGETTIAFQIGFIEFFAKIMIYYL
HERIWAKIRL

>comp4361_c0_seq1; 470 98 1600 LEN=1600; translated
MPPVMRYFVLFICFGLKGGVAIDCGVSYNSK SAGKQDDVQFTECEPVQQRNESGIHFQG
PSRAPVSPVDIKIPIGSAFPPTPENTIAGRVPVLEPKEAASSPHSIPSFRPTLSATLVS
NVIRSATDAPPGD TNWCPQAVVADEYACASILPSGASWGQCTYLVLKMN GSTSTESQTC
TCTRSNPFWSCQVDNFSLTPPSGSAPSTLNTAFPSSTPTTRSF DNVIPTITSSQISSE
SPSAIQTVDRTDIPTISPSVAYSSEPTGSPTAGPSLLSSDSPSLQPTSTSSIGPSNIPSD
GPSLKP SDGPPSRPSIAPTASPSLLPSDAPSLVPSSEGPSVHPTRMPTIAPSATPSDGP SL
RPSVGPTAGPSVLPSDGP SFVPSDDPSLQPTRPTIAPSFFPSDGP SLRPS SAPTTSP SM
LPSDGPSLMPSDGPSLSPSVAPSTKPTGVPTIAPSSVPSDGP SLIAGGSRLRPGKAARRT
PFPTDTPSLVPSDGP SLMPSD

>comp4363_c0_seq1; 91 1 534 LEN=761; minus strand; translated
LVYWNFFLDFGPLNLGQLWRF TKKLNRL LALAEKDGSTVLFYSTTHPNKRACAI FLICAW
QVLELHRTPDDAMFGFSATAYNANHSTAKTNGSNASDVNRSNP LPLSGLGSQTINPLP
PFHDASPYKCTYQLTLRDCLGALVKARQFQFFDWGDRFDIKEYEYFEQVEVRRTNQV

>comp4365_c0_seq1; 427 187 1416 LEN=1734; translated
MASDHCSDLKPAKEGIEFEALPWNLNHP EHSYVHLTTKTGEWTK EHYDPTTDTGALFDS
VYKYDETDLPLSPACCSLNYGTTIWEGLKCYRDKDGN AIVFRPDRNFHRFSNGAKNMVLP
PPSRELFMRGIQHALQKNSHLIPPHGEGMKLYVRPMLMGSGEQLGLYPSKQFSLIFVYVSP
TGNYFKSATGGLNLHLETRRCRAARGGVGNVKCSGNYAVALKPLMDAKEQGFHDNLFLEL
ETYREKGSLSAILQEMSAANIFFVLKTGEIVTPSLDRGTILPGVTRDSVITIVNEFADD
LKEAMMKSTGQDANITVSSRDVTVGEVKNATEAFCTGTAAEVVPIARLATGTDEEPFEAV
FEHGKTEAGPITS AVL SMLREIMVGDRSSKGTEGWLRNPFAPPEEFCKE

>comp4365_c0_seq2; 253 123 867 LEN=1185; translated
MKCTAFAQLLVCIEFKLEQGN YFKSATGGLNLHLETRRCRAARGGVGNVKCSGNYAVALK
PLMDAKEQGFHDNLFLELE TYREKGSLSAILQEMSAANIFFVLKTGEIVTPSLDRGTIL
PGVTRDSVITIVNEFADDLKEAMMKSTGQDANITVSSRDVTVGEVKNATEAFCTGTAAEV
VPIARLATGTDEEPFEAVFEHGKTEAGPITS AVL SMLREIMVGDRSSKGTEGWLRNPFAP
PEEFCKE

>comp4366_c0_seq1; 233 34 1226 LEN=1226; translated
METRYLHQHCRNICLAILIVLLG LLVEPTSSFLPLQRLEHKCRITKDV SASVLD DNTIP

ESSPPSIHSTGEGSIDRRPHEQRTTGPRAARRMNHAFRYLYR'TTSHLYENVTALEYL'TTF
YSEEQVMEMNRTFPPLLDL'DVSRHVHPKIRFLQETILQSNRDEMPD'GSPRQNK'NADT'LS
IMNLS'DYEIPAQYFGARLEKTIAPSHAFLEYMDLPHGLP'LLMRKDDN'DERNETHR'GKRT
TTLWQDFLISCRRTKQFCALCNQWQREKEHKL'GNSDIPRAQITAKQIEAFHFIFGRGLMA
ACRGELVQASNPWPLEHVNITSKEVLELLIKHG'ANPLEKDIRGTTLLHWAAGSGNAEAFE
TLLPYFPDRLLEKTERDGATPLHWACAGATS'GEGF'GTGG
>comp4368_c1_seq1; 190 1 1087 LEN=1159; minus strand; translated
QLQELLSVQWQYRPTAINGLRVVEV'VGLALLTGALFYDIGND'TTATGFVKVNSLLFFSV
HYGEFLEVFFCDVRCRILRSCKIESYTFQAI'VLLRLLTPTLFAPIFHYRTFTRMYTSVGS
TYLWYIAVEDDVVNKRNYAVGPLYLSRLI'VVMLAESFWPFLYV'FVCYPLASVVGDWTVVI
KIGMLLCLNNAAYISLGSCLGVLFP'SPIPQGMIASTLFSQTS'LVAAAGFYTTLPVYLSWIRY
SSPVFWTFSGIVKAAAYTWSDTYKCIK'GSNLAGNNRCFIETS'PVIDDMKERG'INAAYGDA
QSDNIWLQVCMLILL'LLFLLQTTIYITVNV'RCSRRKKAKEEGIDDSERSAGSAESKQCKMS
G
>comp4371_c0_seq1; 589 167 1360 LEN=1488; translated
MAPKEKTKTDPAPRGQKARQASAGALYH'DLLRDLTDHNLFFDELVDMIPSKLYIEGQSGD
DYNPKYFKGQAKESKEARRARNKQSKRAK'FDPASAETTTQIKQRLEGGAGVPQAPTAPKR
PSSGAAKATAGTPDARASRIEALREKLHAK'LAEKRG'NRPVDPGSVSKRAARRAEK'KKRQE
EAIRR'NKKKAASSAEAGSHKRPRLSV'GASGSAGDAASDLAMVDFGRLSGLN'PVGN'GYTE
VNKALKNLSKSKNLEKMLADAESK'KKRLEELKQSDKQEDKEKAASIEWGD'TLREATGERV
KDDPAKIKKALKRRAAKKLKSSKAWKTR'EMESAQSKM'DERQKIRNHNLT'KRKLGG'SAGANL
SSKRIETEAEADGKKKTGRRLSRAGFEG'KKQDFL'NKN
>comp4389_c0_seq1; 304 20 595 LEN=647; translated
MGVNLRLQKRLAASVLGCGKRKIWLDP'NETNEIALANSRRNIARLQ'RDGLI'IKKPSV'VHS
RARVQLRNEAKRKG'RHGTGIGKRRGTANARL'PFKVLW'MRRQRVLR'RMQLKLRNAGKIDKHI
YHSLYMLAKGNQFKNKSVLLEKIH'ELKAVVVQE'KALAEQATARKTRAKNRLERRAAKEAK
KAADAEAAASNL
>comp4392_c0_seq1; 499 121 1494 LEN=1699; translated
MNAQTEKMGDPNHR'SAGATASAMELHQQH'QQA'PMGSSGPPH'MGLGGHPRYSQHAEQELR
PGGPPPPMGYGGPSALSHGSF'GNSYSSYP'PAPYGGDGGYGGAP'PPGSHPPGYPRGAAAAA
AAAAYSMPPHSFPYGAAGYGP'GGYPQSAPHPAYPYGGGYEGHYGSQGANLHRPPG'SFRGP
SPVNP'SAAPGRGNRMQNGLLPGAVAPL'SDLNLSVSGSSALTKK'GGSSTAGTKGLPGSA
LSDANGKRS'GPPQSLKPDQGEVERLRAAAATEITTEEVKPIQ'TDFHFFVRENIEQYRSLA
EEEVKRSMEDQSATPD'PMLVNSNLNTRLMSAWECLTKETRD'TFMTHEETDRRRFMEDEI
ASRHCATLTARGKSPRAVGGDSLKELAA'LQRQKHQEQEKKKQESGTDGGT'PNTVAAKTKT
DGE'EKKAESAKEESKRPGD'SGGDVHESPAKKNKVSQ
>comp4395_c0_seq1; 374 1 603 LEN=906; translated
VNMYAQYF'IGAKCSHKDGKSIHLGVFTD'NGCTNSAGSGVYEA'FNYGSSLPYSSEPIIAVN
ECL'SCLQVDE'DANDNNNNNNNGN'NNNNQNYNQNYETTEL'CCQSYEMSAK'CETKLSNYL'GQ
YFYADTSACDFINNILPNLHNAARKIS'GGSTSSVGGSSAATAFAVIFGLT'TALLGAYS'FF
LYRKIHR'AKVNLAQAEMGIA
>comp4401_c0_seq1; 1473 64 2193 LEN=2767; translated
MPAESESYAFSADINQLLSLIINTFY'SNKEIFLRELISNASDALDKVRYQSLTDSSV' LDA
DSELQIKLIADKGNNTLTIEDSGIGMTKADL'INNLTIAKSGTKGFMEALSAGADIS' MIG
QFGVGFYSAYLVADKVEVVSKNND'SVHTWISEAGGSF'TVTDTEDSGLKRGTRII'LHLKE
DMSEYLEEKRIKDLVKKHSEF'IGFPVMLYTEKTTEKEVTD'DDDDDDEDEDGDDDKPKVEEV
DDEEEAKKEKTKKIKEVSH'EWHLNSMKPIWMRKADEVTHDEYVAFYKSI'NDWEDYAA
VKHF'SVEGQLEFKAILFAPKRAPFDMF'DGGAKKKHNIKLYVRRVFIMDNCEELMP'EWLQ
FVQGVV'DSEDLPLNISRETLQQNKILRVIKKNL'VKKCIEMFNDLTENEDTYAKFYEA'FSK
NLKLG'IHEDSTNRAKI'AKLLRYKSTKS'GEEMT'SLEDYVGRMDDNQPGIYYITGESHQ'AVK
TSPFLEK'LQKGYEVLYMVDPIDEYAVQQLKE'FDGKKLLSATKEGLDLADDEDEKKA'FEE
AKEKTEPLCKLMKEV'LGDKVEKVVVSNRLADSPCVLVTGEYGWSANMERIMKAQALRDAS
QSQYMTSKKTMEVNPTNSII'SALREKAEADQSDKTVKDLIWL'MYDTSLLTSGFSLDEPAT
FASRIHRLVKLGLSIDD'DDDADGEDDMD'DLPLD'DDDDDNEESAMEQVD
>comp4411_c0_seq1; 33 1 925 LEN=1181; translated
RIQYKPN'TDRTEHDEDTKSKSQQ'NKAARMNKLQNSRNIAEWIIIASAIAIVRCHVSNLAS
GIVGAAAYDGTADRDPGSAKNIGWDPKR'SHPCTVETISMEDFLKKYRKQGGLPPLYPRP
LVIKSRSGNPQRNQRFQELTREDTIRDS'FPANFTVTLSSNSFSEHRRTIPLSQYLEE' EVA
TGPPLDADTKSNETWYLFGETYSDEWKSLLSEYQVPPCQAC'YDESLVALSFGIGNSGSGV
QWHIHGPGFSEAIHGRKHVLYP'FEDQPAFHPDQ'TSLNWMHYNYPSFEQLED'RPLECTLD

PGDLIYL

>comp4411_c0_seq2; 54 1 1039 LEN=1111; translated
RIQYKPNTRTEHDEDTKSKSQQKAARMNKLQNSRNIAEWIIIASAIAIVRCHVSNLAS
GIVGAAAYDGTADRPDGS AKNIGWDPKRSHPTVETISMEDFLKKYRKQGGLPPLYPRP
LVIKSRSGNPQRNQRFQELTREDTIRDSFPANFTVTLSSNSFSEHRRTIPLSQYLEEVA
TGPPLDADTKSNETWYLFGETYSDEWKSLLSEYQVPPCQACYDESLVALSFGIGNSGSGV
QWHIHGPGFSEAIHGRKHWVLYPFEDQPAFHPDQTSLNWMHYNYPSEFQLEDRLPLECTLD
PGDLIYFPDMWWHATINVDDYTA FVSTFTQEHFLDRSETKKAWA

>comp4416_c0_seq1; 909 1 1330 LEN=1511; translated
XSHSFTSIIKMQFSKAVLCLLASAASVNAFAPAQSFRGLPTALEAKKSIEDLSDDDELK GK
KVLVRCVNVPLDGKTIITDDTRIRSSIPTIEYLKSKGAVVTVC SHLGRPDGKEDKFS LAP
CAERMSELLGQDVT LAPDCIGEEVSKVVDAASEG DVMLENT RYKKEETKNEPEFVEKLA
APFDL FVNDAFGTAHRAHASTEGVT KFLQPSVSGFLLAKELEYLDGAVANGEKPMVAIVG
GSKVSTKITVLEALLDKCDTVIIGGGMVFTFLKAKGLEVGTSLVEDDFVDTAKEVMAKAD
KLGKTILLPTDIVVADEF SADANSKVVTADAI PNGWMGLDNGPETTAAQKECLSTAKTVI
MNGP MGVFIEIKFASGTFDLVNILADITKENGCVTIIGGGDSVAATEQSGRAGDM SHIST
GGGASLELLEGGKVLPGVAALNEA

>comp4417_c0_seq1; 231 194 633 LEN=1177; translated
MARQVARIRKSSFKKLT FENDRREGETKSVQFGTIEIRDYSQCLGDHPDVNRGAPVSLDW
DYQSEQSYDIEEYEQRYFRKKRTHQQMIRLA FERKHILKTLGYSEEEIETR SKSVK KDRK
KRXTNEADDDFRAFHN DIGENATMDD

>comp4423_c0_seq1; 336 384 1196 LEN=1384; translated
MFFSRLSFHYNDKSAIHGTNTSFKAVDKVACEDDLTELFPSNRLKALWDWRDRK KKLGI
LVSKYDHCLWELLRLHKARELDADIHVVISNHDALRP IVETFDIPFHVTPIEKPTSKAGA
TSEDDYTRSDKSTLPLHELRLQLELLKEVDVVILARYMQILSPEFLNHFPDGI INIHHSF
LPAFIGGSPYHQAH ERGVKLI GATAHYTTEELDDGPIIEQDVTTVSHRDSVKQLMKKGRV
LERNVLLKAIEAHLDDRIVVHGNRCIVFGD

>comp4433_c0_seq2; 318 276 878 LEN=1466; translated
MKYLLFSLFFMLIGSGYSFSTPSRVFVGTPTKTRTRLVQDCMTPNPKTLKSTDTIEDAIV
ALLSAGFNGAPVIDPITNNLVGCVS AFDFIQREETGVLLPFDMEDPENQREMSINARKIV
ATTVGELATEPALTIHMDTNMKDAAEMLTQKQKHRLCVVDDNNNLV GILSTSDVMRNIVE
VLKALPETSSAEMS NSELAP

>comp4437_c0_seq1; 665 1 1739 LEN=1739; translated
XQGSGLSNTERPSSPIKSIKKSIRNRLQRIKDGKESRQRHSQRSGLSRPSKEEKQEKT
QEKKQLQLQQKPKQKQHPFNATLSKQKSPQNAV GSSGKKQKVP AASSAKQVSSKSNNI
SESNAAIANRNTKPLVKNFISPSSQTLQASTRTEERREEKSPVRNRREKR NKSTK KHP SQ
DAKTKQRNSFRSFSSESSDDYDYS DHTGLGANRTYDSV GDEEDDYLD RRYRSYDTRGWSY
STRTGSRSSSSSSSDGSYDSSSSFDDESTISATKRTMRMAVHRNP SDDASSGRGRSRNP
RRRPPSSPRAREDHISSPRRNPRMQTNRFVDDDDYYE GNTNTDDESQSCYSGISSGNE
YSRSCSSGVTSGGT FETNDDDDYSSSSNDADERDFRNP GGGRRGNSPHRKHVP SDDDEDQ
SECWTEAPVRTYDSEEE SDRSSGSYSKKNHGQCVLDPVTTYDCEEGYNGSGLGLDLTRT
QTDDQTYTSRDIDPEEFAAFVQEQEAAEQRAERKKTDKSEGKDAAVGSGVFSWIFGGTAE
TTEPEERTAPASPARRGRSPAPVRS PRAHQGDTDRRAFFD

>comp4443_c0_seq1; 429 1 950 LEN=1044; translated
XGGASSFHHDKVSLTGEELAALPTLLIQMAGDEALNRAVAEEHGGPAGV PGLAGDLDP EPH
PLDVIVAVPPSHYMEHLSTGRYQNR IYATEKYPDG SVLGANTMMGHDILFDPTQNRIGWA
ESSCDYHELATKHGFPDVLGDELQTAETKEA IATEEEEEEDQVEAKEAFDVDHVEAEIQE
EEAVAVAAGAEHQHEQHNNNDEQGNDGPAGDTPEEPTAPSLRPADASKSSTAYIAEGPE
GPQTALLALGLLLAVCAVCGCLYRCCPRGPPARAAYHRAPEIELNGRSSYKDFGDEDL
EEEDDDVADEYGD KYE

>comp4443_c0_seq2; 267 212 838 LEN=932; translated
QFDPTQNRIGWAESSCDYHELATKHGFPDVLGDELQTAETKEA IATEEEEEEDQVEAKEA
FDVDHVEAEIQEEEEAVAVAAGAEHQHEQHNNNDEQGNDGPAGDTPEEPTAPSLRPADAS
KSSTAYIAEGPEGPQTALLALGLLLAVCAVCGCLYRCCPRGPPARAAYHRAPEIELNGR
SSYKDFGDEDL EEEEDDDVADEYGD KYE

>comp4469_c0_seq1; 468 1 922 LEN=1184; translated
XGGWGNLGGGVTQLIMGSALFPLFKSFYGGDASKAWRVVSVVPAVVAFGTGIM IYKMSDD
CPKGNYS DLKKHQMAEVSAGASFRQGA FNINTWFLFIQYACCFGVELTMNNAALYFKD
KFELSTESAAAIASIFGF MNLFARGLGGYFSDKGNQYMGMRGRLWAQTICLIGEV LVLV
FAQTNSLGAAITVMVFFSLFVQAAEGTSYGIVPYVDPPATGSISGIVGAGGNTGAVCFGL

GFRNLEYKTAFMLMGFTILGSSALSLVIFIKGHAGLVCGEDAPKEATTATLAVPAKDAEA
SEDVNEE

>comp4472_c0_seq1; 681 89 1684 LEN=1889; translated
MEGTTTLADALLGDLDDLMSDDDEDQNEVAESEEVDASKDANNVGESMDGMIPSPFKSS
SMIESEKTRTRKRAQSQFLDNRSKLNHLKIIREQNDGNSTVNDNSNTNSSVGAVERRRKEE
EEENHQMVVQSNKYLASLAEEMQRAHSLADTYRPFPELEDLLPNPLDYKNAIRIIGNE
TDLTKVNDELNEILSSNQIITLSMASSTTSGRVLTEKELEEVDAATYTEELLLVQKDL
KFVEDSMESLCPICALIGAPTAARLLGLSGGLQELTKIPSCNLQVLGQTKVNSESRAGL
SGGSIRQHTGLLADCDLIQSLAKAYKKKALKVVAAKLALVARFDFSNVDSGRQRSASAGI
SYRKQLEEKFEKWQEPDRAPVAKALPKPNLEAKRRRGRRMRMCKERFEETAMMKQANTR
AFSTQQGEYGDAMGITMGLLDTADNGGAIKRVTEKRRMRQANTKASRKRAMQMAQQAKN
KDGLASSVVFTQTTGMELINPEAQKERVKAANDKWFSNAGFQSALPKKGT

>comp4473_c0_seq1; 193 151 759 LEN=1007; translated
MGTTIIFHITLDYLAAILVAFSFLFTPVQSMETPNGYLCNLCYSRENEYHYPPPSIEQKVV
RFTSPISSTAASEQERESTTVTSINVAFGMPWDIGTTCIDVWNKVLVDYKPNIVDESS
CRSMAALFAPQCCNQHEHEREREVEVSVKEASFTGLEENKTQTELRRESIGSDSHNLQRRGR
RAAATSYNLRGYSLTGYEIKRR

>comp4476_c0_seq1; 261 226 909 LEN=1167; translated
MSVMKKRILLVGLCLSTSMVGLAHAMENVGLEIMEAESSQNTPASPRTFVRSFLRTKSEK
SNKKSQQLLGSKSKKDKKEKSKNDSNKPTSPPIPSPTNNTKSPVQPTMAPTKKPTIS
PTTQNSETTSESSQSNSGPTGSPPTIPTPLSPPTSSPTTFSPPTFTPTDQGVNARLE
VAALSAVGQSDTQAKSQKRKMHVEREPRIFNRMGLIDQDNSGIGGD

>comp4477_c0_seq1; 375 111 824 LEN=1345; translated
MTTAGTLRLSSAGNSSNGSGTSTSIDAYLERITGDASLTTAQKNNCLKTLAVVLKNLIDP
SKGAAPGDAGIKYRTLKLDNPKLADRLFCASVRDLEDDRVGMVEASRTLVLVEEAPCPS
ARETLAREVLPAAIARAQASALQPRASVHKKARTDADRPAAALPVQQPLSEKQKARLLLEEK
KRLEKERDRLHKQTVRAQIAADKRVRLHDENWKPASAAADKTGNGLQSFDRDRHGEQ

>comp4477_c0_seq2; 149 1 784 LEN=1305; translated
XFVLFVGFVASSRLVVPYLTSPHLPLFPSEHQHFLWFRNRCRRNENYAPWTRQHDTTQ
QTKPNPMRQQKTLAVVLKNLIDPSKGAAPGDAGIKYRTLKLDNPKLADRLFCASVRDL
LEDDRVGMVEASRTLVLVEEAPCPSARETLAREVLPAAIARAQASALQPRASVHKKARTDAD
PAAALPVQQPLSEKQKARLLLEEKKRLEKERDRLHKQTVRAQIAADKRVRLHDENWKPAS
SAAADKTGNGLQSFDRDRHGEQ

>comp4479_c0_seq1; 1016 94 2328 LEN=2430; translated
MATKGDSFPSYVTYGLLHKSNDYIDWIRVERDCVVPNETDSSPNVDAESTEPIDVTSCES
EGERTEATALDVRAFEIFRSLQQKEGTDDGEQNKIEDPILKNNDENESDDDLIGIGDENH
ISPGFLFGKGTKLQMELEERGMMNKFSSNIAAKIMSAAETSSFGVFDANWNPLRFSRHSNSDV
AILLYAAAKEQTRPDEESVTEASAWKRRTSIEKPGALSVDAAADTVSATACAKDGFSCL
QDIETEIERGTLPPVVRSSQQQFLVKQSVNMFFRKESVQFFACFPLRNSPRTIYRFDM
DGS DGTNGDQSRASAKWKGLARISSVSLASLKKQSIATGESNELSVGGDNPPAPKLSL
NERLSKMKVSSATKTDDIRRLRSSLNTEKFKFENSFRSTVSNTKKKFSEKFRKMPSL
SPNAEATEEDIVDYLEEEDIVIFDSSDIVDAEDQKMGDDSTNNDIVAAANGANNDAAT
VGTEHETVSEESQNAQGPAGYVALSIDDVPGRFNFADKSLSLPKVLDLDFDKYDAKAT
FMVISSFLSPFHEPDMIRLLQEGHELANHGIRDEPMDKTLATSVDALFLEALDECNDKIKD
LQQKANASNHDEFATSTDN SHATIPIGVKWFRAPQSRYSYTKVMEEGLAKRDMYNVMCDAY
AACPIIEDGAWIAASLSKQIKNGSIALHMPALGFRGYCLTALELLEDLVVRNFKVV
TVSELQRISEQQKASATTTGSSAE

>comp4480_c0_seq1; 539 192 1637 LEN=1868; translated
MAKVEPANTTGEAALARKHRIAMRKQRAVSSCSLSEDESLCERARSKRQRVALDAEVEPM
VISSATDSVSKKTPNDILESIIKKKPHITGIKKQSRYPGVEMTKEELKAWRKEARRV
RNRESAAASRKNREAIIEQLESQVKGMQSKYDTALGYIIHLQEQLRQIGMSPLSCPSSVL
LQDLEDLNKDSSECLPRQTVSPPQSPPTPIEQSSVEVDPLHLTPQAEHRQQDRQRHLVLRN
DPDKNFLSQPSSRHSPSHPAIPNSQKHIIDNMIIRPIASSRSIKPLIIHSAASA AVHSAA
ALCYIINNFOQRSSPGANEKTVNDCGGIDHELKAWAHTVRD TVVSDDDAANAFKTVTN
GDSPSRHLAVSQTMTMETDHSSFGSDDDTVIESEQPMFLDGLPPVTVNDGCIDEIDEAI
LGCDVGTEDHDDVMAVFLQDTFEPNASRSQVEPSLESVVDSDNDIDALLIAENEALMLFPDR
S

>comp4480_c0_seq2; 624 192 1538 LEN=1769; translated
MAKVEPANTTGEAALARKHRIAMRKQRAVSSCSLSEDESLCERARSKRQRVALDAEVEPM
VISSATDSVSKKTPNDILESIIKKKPHITGIKKQSRYPGVEMTKEELKAWRKEARRV

RNRESAAASRKKNREAIEQLESQVKGMQSKYDTALGYIIHLQEQLRQIGMSPLSCPSSVL
LQDLEDLNKDSSECLPRQTVSPQSPPTPIEQSSVEVDPLHLTPQAEHRQDRQRHLVLRN
DPDKNFLSQPSSRHSPSPAIPNSQKHIIDNMIIRPIAAKISPGANEKTVNDCGGIDHEL
SKAWAHTVRDRTVVSDDAANAFKTVTNGDSPSRHLAVSQTTTMMETDHSSFSGSDDDTVIE
SEQPMFLDGLPPVTVNDGCIDEIDEAILGCDVGTEDDDVMAVFLQDTFEPNASRSQVEPS
LESVVDSNDIDALLIAENEALMLFPDRS

>comp4483_c0_seq1; 354 150 1447 LEN=1447; translated
MVLPLITSSFDEDDSI SVMSLNDRDDKNNTCNNSVTSNLSPTSAGGGTVINLVNRNKR
QRFTSESPFTEESENEGRQESKPKAKRARITMTIDEPIAAEATAAMKNFPSEATQGSFGV
SISNQNDQHGIARPSFEDLSAELCKIVDAAHYSRHEAIAALTNLCQWGYTDDPVFLEEML
ELGGIQRVLLYLKNNEGDPACVAMAAKAIMTCTVRSKPKHQSFEVSKDIVRALTKREGIEI
LLQASNECGRESMASQVEALRWIWSALFNITDKSSAYEVGDLEEQRERLLGVFENGVNTM
AKLGGNIIAATAQKGLTSPVSKGMNDSHVKLVHVVVGGISSRMMYXGGADYQLRAVQWI
FSSICGGVGSRKRTAMEMSTNRRKRRIVRPSRTVKAKTKNTTKLKTITENSNSVLASQVM
GLVFITLSNINNN

>comp4484_c0_seq1; 360 413 1537 LEN=1727; translated
MPAAADYLVGPTIGEGSFVYAVHKTQQRKVAIKVMEAPVMGATEHKHRQLWKEQKTA
MILNERRILSLPELKSSKWIWNLWAAFCESENRYLYFVMEALATGGDLQGLIDRALTSRA
KSKRDAWRTDVPFYASQLIEAIQFLHSTGILHCDLKPENVLLDAATGDLKLADFGCALD
TNRQQQNRNPSSPPIMLPRGTARYSAPELLQAESPLALDAAVDYWSMGCILYAMFRGKSP
FDRGSEALTIRAVFDYLDGAPSDLSPKQKWAEDTNDDESTRYPLYRLSQGLFAMIPGDRT
TFWATSVIPLFDSKSKQGESVGGDDAIHGIDNRRSATFATTSNESGVLPSPDPDKQVESA
TLRNGDLGWVAFQL

>comp4484_c0_seq2; 360 413 1537 LEN=1904; translated
MPAAADYLVGPTIGEGSFVYAVHKTQQRKVAIKVMEAPVMGATEHKHRQLWKEQKTA
MILNERRILSLPELKSSKWIWNLWAAFCESENRYLYFVMEALATGGDLQGLIDRALTSRA
KSKRDAWRTDVPFYASQLIEAIQFLHSTGILHCDLKPENVLLDAATGDLKLADFGCALD
TNRQQQNRNPSSPPIMLPRGTARYSAPELLQAESPLALDAAVDYWSMGCILYAMFRGKSP
FDRGSEALTIRAVFDYLDGAPSDLSPKQKWAEDTNDDESTRYPLYRLSQGLFAMIPGDRT
TFWATSVIPLFDSKSKQGESVGGDDAIHGIDNRRSATFATTSNESGVLPSPDPDKQVESA
TLRNGDLGWVAFQL

>comp4485_c0_seq1; 237 1 2390 LEN=2596; translated
XKIIISNTIAITNTNTIDILATKTSSMSDYLNNGPPDPIAFFRQASDANVGIVDSSLADI
EDGGDSRKPCSGVTCPPSPRRNQEAPARERPPPBGHDWPYRENLSFSRSLMFYAGAVTVE
NVKACKNIEKCRSYRKKYFGSHSSIVQSEILMDAKSNDQSALS YRMGSDGVMEIYHSEDM
EKTNNLCVPTIEDFERDYRDMTKMVNEGFMRSYCFQRLQLLSSAFRSHTVMNASMEAE
QGNLLGTDFFRTLKIDNHIHAAGAPTAKQFVNFVMNKLQTESD TVVSSDGR TLGQVFEQA
GLDKDHLTIDAFNVLADYSVYQRFDFNFNAKYSPPFRMADMRRIFLKSNNHIGGRYFAELK
IVLNRREESKGHASGMELRLSIYGMERREWDDLAEWMLRDWKGGDFPGPLVSECNRWMIQ
IPRLWRIYRSKPGKDATTGFNEMLENI FAPMFEATLHPERKPKLAEALTHIVGIDSVDDE
GAPEVRVQTFWTECWQAMAAFCRWISWLIVFNVLKLFP LLFPACFLPLFSSKAACGCQR
PHEWTPGNPSYWWQLYFLWANLEVLNLSLRKARGLNTIAFRPHAGETGNPLNACTYMLS
ESIAHG INLHQVSLQYLYLDQVGISSSPLSNNFLFRKIRESPVGKLFRRGLNITLST
DPLLFHMSDDPLLEEYSVARATFDLSMTDMMEMARNSVIQSGFEEEFKQKYL GKDFRKG
VTFCDERLTHVPLIRAKFRAEHLALEHMLCALTAAGKGPSVLAEMKTQFGLARDAHRAILF
DNLDEIDASFPPELGQL

>comp4485_c0_seq2; 441 1 2242 LEN=2448; translated
XKIIISNTIAITNTNTIDILATKTSSMSDYLNNGPPDPIAFFRQASDANVGIVDSSLADI
EDGGDSRKPCSGVTCPPSPRRNQEAPARERPPPBGHDWPYRENLSFSRSLMFYAGAVTVE
NVKACKNIEKCRSYRKKYFGSHSSIVQSEILMDAKSNDQSALS YRMGSDGVMEIYHSEDM
EKTNNLCVPTIEDFERDYRDMTKMVNEGFMRSYCFQRLQLLSSAFRSHTVMNASMEAE
QGNLLGTDFFRTLKIDNHIHAAGAPTAKQFVNFVMNKLQTESD TVVSSDGR TLGQVFEQA
GLDKDHLTIDAFNVLADYSVYQRFDFNFNAKYSPPFRMADMRRIFLKSNNHIGGRYFAELK
IVLNRREESKGHASGMELRLSIYGMERREWDDLAEWMLRDWKGGDFPGPLVSECNRWMIQ
IPRLWRIYRSKPGKDATTGFNEMLENI FAPMFEATLHPERKPKLAEALTHIVGIDSVDDE
GAPEAACGCQRPHWTPGNPSYWWQLYFLWANLEVLNLSLRKARGLNTIAFRPHAGETGN
PLNACTYMLSESI AHG INLHQVSLQYLYLDQVGISSSPLSNNFLFRKIRESPVGKLF
RRGLNITLSTDDPLLFHMSDDPLLEEYSVARATFDLSMTDMMEMARNSVIQSGFEEEFKQ
KYL GKDFRKGVTFC DERLTHVPLIRAKFRAEHLALEHMLCALTAAGKGPSVLAEMKTQF
GLARDAHRAILFDNLDEIDASFPPELGQL

>comp4487_c0_seq1; 236 443 1064 LEN=1236; translated
MTLFFNFGGDRPVYYGALDVSLSPGAEAEAKAAAMYLEQFDLDDLVSPLSRVYGAEQV
LSLQKDLDTPVVRMEGFKELDRGSWCGKTKEEIGLEAMAKFDACDESVTPEGGESYPFLK
TRVLEDRDAVLDGLPAGGTAAIVSHLQVTRSMLSALGIPTAKMAGLGIATASVTCIDYN
PDGSQTVHFQSFKPDVGLKESVDGAN

>comp4487_c0_seq2; 236 443 1064 LEN=1141; translated
MTLFFNFGGDRPVYYGALDVSLSPGAEAEAKAAAMYLEQFDLDDLVSPLSRVYGAEQV
LSLQKDLDTPVVRMEGFKELDRGSWCGKTKEEIGLEAMAKFDACDESVTPEGGESYPFLK
TRVLEDRDAVLDGLPAGGTAAIVSHLQVTRSMLSALGIPTAKMAGLGIATASVTCIDYN
PDGSQTVHFQSFKPDVGLKESVDGAN

>comp4487_c0_seq3; 194 1 907 LEN=1079; translated
XNEPLNSSPRPLRRLKMERTARALFIFQILICVTVRNFLASSFAPIANVTGARRYRLFRM
KSSLSAKDLKLNLSGKIIGPEIPSVEVSSKRLFLVRHGEVINPGGDRPVYYGALDVSLSP
LGEAEAKAAAMYLEQFDLDDLVSPLSRVYGAEQVLSLQKDLDTPVVRMEGFKELDRGS
WCGKTKEEIGLEAMAKFDACDESVTPEGGESYPFLKTRVLEDRDAVLDGLPAGGTAAIVS
HLQVTRSMLSALGIPTAKMAGLGIATASVTCIDYNPDGSQTVHFQSFKPDVGLKESVDG
AN

>comp4487_c0_seq4; 194 1 907 LEN=984; translated
XNEPLNSSPRPLRRLKMERTARALFIFQILICVTVRNFLASSFAPIANVTGARRYRLFRM
KSSLSAKDLKLNLSGKIIGPEIPSVEVSSKRLFLVRHGEVINPGGDRPVYYGALDVSLSP
LGEAEAKAAAMYLEQFDLDDLVSPLSRVYGAEQVLSLQKDLDTPVVRMEGFKELDRGS
WCGKTKEEIGLEAMAKFDACDESVTPEGGESYPFLKTRVLEDRDAVLDGLPAGGTAAIVS
HLQVTRSMLSALGIPTAKMAGLGIATASVTCIDYNPDGSQTVHFQSFKPDVGLKESVDG
AN

>comp4489_c0_seq1; 450 404 1444 LEN=2037; translated
MGLNWFHDLLEISESIVRRGANFALDQLVLDLRLRAIYHPINGLWACCVGTYLGASSMY
GLQMTDDDKTELLQSSLYLKDNQAQAVLLKAGGCKALLPESVQNWLQQSSSSPTLEKTI
DISVGLSDKSTSDSDVTEVDEHDQIFRGSTVDEDFEKIGELSDVSQPSNMVHSFKDER
MKRLSGSESQQEAKDPTGWEDVSQTDPEVEVFFRILRNMMAMDIRSYAEALPRSQIENVGI
VALMALGIRLSLRRASYDRAPLLCAGVAALSFGTIIISREAILGNIYNKQSMHIVCKDIAS
SILDKLLKRYSSKKTFFAMVTMLIFCRRKQKGKMGAPRNSQSFKTR

>comp4492_c0_seq1; 615 91 2184 LEN=2778; translated
MTMAIGIQSLRRRSLVLQISLLLATANIRCIRAFQIRSESVKNLAGRTSMSSSSCLSG
SANPLLEAWTQPFSLPPFDRIQTEHYRPALEVGMEEHLRDLQAIVDNPEPPSFENVMVAY
DRAGRTLNVKGGVFGNMCSSQNTPELQAVQTEMSTILSRHRSSTYTLPLGLFDKVEQVHRE
QQAENGGRTREDNRLTERIYLDFTSRGAHFDTDKQAENADIQAKLASLITEFMQNVLKD
EEQYELVLRDLAGCPDSLVEAAKNAEERKKADDEYVITLSRSLVEPFLTFSSRRDLR
ETAWKAWTSRGEMDPDRDNKIATDILKLRQKQAKLHGYKNFAEYQCVDRMAKTPEKVE
LLENVWEKAKVSANAERKELEDYVKQGGSLGEDEKDIENGVAWDWRYAEQVRIAKYD
FDESLLKPYLSLESVTNAVMAVSNKLFGLKYIPRDDIKTYHESVKAYEVRNEREDDKLVA
IFLHDNYARPFKSGGAWMSEFRSQTKNLSEEMKEEYQGIPIVTNNNNFARGKNTLLSFDD
ATTLFHEMGGHGHGMLSDCTYGRLSSTNVLRDFVELPSQLMEHWFEPEVLKEYARHYET
GEPVPDELIEKMNKARSFNQGFATIEYTACALLDMLLHQVDDYENFDMSTFEREELDRLG
MPQGVVMRHRPAHFSHLFASSGYAAGYYGAYKLAALL

>comp4492_c0_seq2; 645 91 2370 LEN=2648; translated
MTMAIGIQSLRRRSLVLQISLLLATANIRCIRAFQIRSESVKNLAGRTSMSSSSCLSG
SANPLLEAWTQPFSLPPFDRIQTEHYRPALEVGMEEHLRDLQAIVDNPEPPSFENVMVAY
DRAGRTLNVKGGVFGNMCSSQNTPELQAVQTEMSTILSRHRSSTYTLPLGLFDKVEQVHRE
QQAENGGRTREDNRLTERIYLDFTSRGAHFDTDKQAENADIQAKLASLITEFMQNVLKD
EEQYELVLRDLAGCPDSLVEAAKNAEERKKADDEYVITLSRSLVEPFLTFSSRRDLR
ETAWKAWTSRGEMDPDRDNKIATDILKLRQKQAKLHGYKNFAEYQCVDRMAKTPEKVE
LLENVWEKAKVSANAERKELEDYVKQGGSLGEDEKDIENGVAWDWRYAEQVRIAKYD
FDESLLKPYLSLESVTNAVMAVSNKLFGLKYIPRDDIKTYHESVKAYEVRNEREDDKLVA
IFLHDNYARPFKSGGAWMSEFRSQTKNLSEEMKEEYQGIPIVTNNNNFARGKNTLLSFDD
ATTLFHEMGGHGHGMLSDCTYGRLSSTNVLRDFVELPSQLMEHWFEPEVLKEYARHYET
GEPVPDELIEKMNKARSFNQGFATIEYTACALLDMLLHQVDDYENFDMSTFEREELDRLG
MPQGVVMRHRPAHFSHLFASSGYAAGYYVYLWAEVLDADVAAAFKETGNVFPDMAERVR
KYVYSAGNTEAPDELFRKFRGRDPDIKYMLEKKSLSVSAS

>comp4493_c0_seq1; 165 1 858 LEN=1077; minus strand; translated
TGIDWYSIAGYNTHPSDTLRDIFSSGKDVLVRVDADGFYYSTYIGYFYLPKSDSDGDPF

TSNSVFRMEVAPNCQGVWIRAPRHDGTSRVIRMNSGDSVTLTYADTGFGTGYWFTAGENE
EWNGSTNSFKIERGDGTFDPYDMNVNCVFTFTSEKCSYYSYYSYSGMGGFRNRELKGYAGEAD
EPAIAFREQESGARRLQTDSDDEFALAGGETIILDFGSRRLEGSNARLLQATQDPLSSTI
SVDATLSTAFDEIGELRTASGNRLQRATGVIGLLLAWATAMVAFAW

>comp4494_c0_seq1; 478 188 1690 LEN=1982; translated
MPSSSSRDVERRFLLAVNDVCFVFLGGS AWILVNGIYVQIPFIILFFDGDYGVVSKITLC
VTL SALLP IFGSVSSFGSLTSANHVCSKLNVCNINAI CASMGGTESTSGIDEHERSIHTG
ITLVLSLGFVTVSLVLTIWTEQILSR LAPMLVASFAAGIVGTTSSILYYPHAASAVSSKTN
TAKRQTTAMLFGTAVSNL FVALVAILQQQEQRQQI SERAQATASMR SYFRLILVLMWFAI
VGFLGTLVIRRFGDTPKILESEN NKTQSALESPLLEENYLQPGNTETILHRRSFQKA
ADVSLSFWEVSSLNSTLNTAQCALNFLVFFLP GIVPYSVRDSSK DENYNNTTSLRYLVVSQ
LVAQTLGVLASSGAGGSSGARASFCYRRPDS DNNHSAAPYQLGFIFFFLWIPLVFLSFEN
DLACGAGIPIVLNALLNGAYGYCNTAWFHLLNDNHCSQNGDTSNGTPTS AVRVMGTHWQ
IGATMGSAIAFELVERGVFG

>comp4495_c0_seq1; 553 1 1749 LEN=1902; translated
RKTTHGHQMEIVAISSDGA AVTVSKPSVTEVGVNDSFSTDSTCSVPND DDES DAAGNAN
PPPRGPFSGFRQRR AERIAARTSLRCERDEADAARKKAI EEERRRAQEQQRKAEEA IPER
LIEPDLGSLRAGRISVTVSKTESNSYGFGLAQVPRKKNMVKVDALVNEGDKHLLSQSPLR
EGDILKMVNNQEVTDYRTVM LLLMGMEGRVTMVVETPATQGNPAMVQAF CRKPLPETTIG
IEFQVVEHNTTQNSLCRDPNGTMEVTTTKLLQIKTVNPDGYLAHSALRQGDFVLAINDKP
CTDTTAEAAAAMILESESTVNILALNPELAQKHCSPTRAQRWMRRARRTG VGVAGGTM LG
LGLIMIPLPFPFPFGEVLVVGVSVLGTEFEAPKRVAR SARNALQNAVGNGEKTVSAEVL
KQMESVSSNDDGNIAGGSVGPDDNVGESEHDCKDENPTESEKVVLRDSFLT VIGHHQTG
MPIVSGDETEPSDEATNVVDCWSQANIDANIENMYSGNEHDMPS SPTGTRHFLKNVGRNV
VLPFLDHVVG DGKQGESQ GK LLESKPATAKEELNIT AATTEN

>comp4496_c0_seq1; 273 335 793 LEN=1104; translated
MSSGCITKYDYKNINFSYPSRFCLKGLTLRFSSTSRIVRLTKRFNHFIDDANSGSIENSN
DVNSYHDTSGTRSSSTTDAVMVEKVKIAACGDIDSDEDDDEMEQEEMFVEAHVSPA FEH
GATEWGGPRRGGRFPEPTRFGDWERKGRCSDF

>comp4496_c0_seq2; 193 28 489 LEN=737; translated
MLVPSPSLIRLIALRVR SNALPSLQSNSTSTSTARTIRSCYPVQSSAFSSWFGNKSEENS
NDVNSYHDTSGTRSSSTTDAVMVEKVKIAACGDIDSDEDDDEMEQEEMFVEAHVSPA FEH
HGATEWGGPRRGGRFPEPTRFGDWERKGRCSDF

>comp4496_c0_seq3; 193 28 489 LEN=800; translated
MLVPSPSLIRLIALRVR SNALPSLQSNSTSTSTARTIRSCYPVQSSAFSSWFGNKSEENS
NDVNSYHDTSGTRSSSTTDAVMVEKVKIAACGDIDSDEDDDEMEQEEMFVEAHVSPA FEH
HGATEWGGPRRGGRFPEPTRFGDWERKGRCSDF

>comp4496_c0_seq4; 273 335 793 LEN=1041; translated
MSSGCITKYDYKNINFSYPSRFCLKGLTLRFSSTSRIVRLTKRFNHFIDDANSGSIENSN
DVNSYHDTSGTRSSSTTDAVMVEKVKIAACGDIDSDEDDDEMEQEEMFVEAHVSPA FEH
GATEWGGPRRGGRFPEPTRFGDWERKGRCSDF

>comp4497_c0_seq1; 541 181 1989 LEN=3121; translated
MATSNNC SSSDSPTSTSSRDRASVQTGERNQ RNERQQRNQRLLLRVLEHRHKFPGRLS
RAIERARCT SAGRANGV PPTTPEAPLVPSPGTTSDSDSDFLSRIRRD FEEWLFSEPSKSN
YRPPAQNRSSRVGEEQRQASRLELR SNANANADENDSESETATASDI AVSGLDDRVD TQD
QVELALRCFPEVLTARRFGLYPIFWLAKSIHSVSFIPLFAKIGNESGLFQDFERGGLVFG
GCGKYINVSQLAAGVADAGHRNNASNNDHDQAYHRLVDEKFLASIKDLRESRLMEKKDI
ANHDLLGALHRQSI FPEQRFRYLVDWDP RNTLLK K KAYGTTLSWDLVSR YI INNIGENHL
VTGHSHTVHNQSNHNRSKN SHNHKSNHNGPQQCATAGVEMLFELAL KYFPIETGFLF
HKCDVRRRKRHTRGVTDY YFLY CDDATLKRRCRCKHTLGSSRRSLSPSSSSPQPGVAREN
HEHGFFEQR SASSSLPTNTATTKGTTKTRATVTKTMTPYRIACEIY GIECANKILETAL
AGVIDGTSNVASSSTANSSSND DDMAMALINAASDPNVLD CVYIILLQRDPGLCKPNGK
RN

>comp4498_c0_seq1; 334 1 1106 LEN=1106; translated
XETLKRQLDRRQLSELPGTDRHQVPVSEEKDG GGDASADATLPSENE LLLMIGHCMRGLA
ILGRGKEVENIFARVAIMPLIRSKI SMGR LDEGGSRGECAGLKS LLED MVLSVSSTFGRV
LELSEAMFDLETRVEVDLITDG VWP IAT ALMADAGIKMAIFSPGLAGILQSNYVTLDFK
LSKLAGSLLRESGAADVGAASTSTSASAAVPSHLATAQSESESLAEALYTPRLSAETI
RRAQERIYLHPKTAEF SKKWNLP IYYQLRFGDC CARLNKAIESTTREGWTA EVFTGDKAS
ETLVRNDVGFELSFVELYD TLLGLWKPDVILQPLTNRFLRGAVQLIGRSVAFVKAGMDG

ELKFGDDGN

>comp4499_c0_seq1; 329 334 1332 LEN=1413; translated
MSLLTTEEWWTDFVAGWVSGAVGVATCQPLDVTLTRFQAGRVLSAPGLEVAVQGGVTASAV
RSSVRGLVGEFGLRSLWRGSSPMIGAVPVQNALLMGGYGF GKRYSEGARGADTGACDALL
PVFVGGCAGGVLQSFLMSPVEWIKVQQQTHASSGAAATASSVSVLRRFLTHRHALWNRGL
TATLLRDGIPHGVWFATYEFCKLRMLAGPAEAASGGTETPGAGAEDGPRSSLYKTVAVPV
VSGAVAATTAWAVGYPFDIKTRIQASADGVRVPPGVWETGIKLVVEEANGNLLRGLYRGF
GLKLLRSVPASMGVFFTYELVSGAIAGAGSNP

>comp4499_c0_seq2; 270 334 1340 LEN=1340; translated
MSLLTTEEWWTDFVAGWVSGAVGVATCQPLDVTLTRFQAGRVLSAPGLEVAVQGGVTASAV
RSSVRGLVGEFGLRSLWRGSSPMIGAVPVQNALLMGGYGF GKRYSEGARGADTGACDALL
PVFVGGCAGGVLQSFLMSPVEWIKVQQQTHASSGAAATASSVSVLRRFLTHRHALWNRGL
TATLLRDGIPHGVWFATYEFCKLRMLAGPAEAASGGTETPGAGAEDGPRSSLYKTVAVPV
VSGAVAATTAWVSSANLGPFCFDTAVRLLVWVWISRATHGLCSFFLLSIPNSHTQAVGYPF
DIKTRIQASADGVRVPPGVWETGIKLVVEEANGNLX

>comp4501_c0_seq1; 172 167 976 LEN=1154; translated
MKSDGNHGARNRKYVIGIIGGSGPEAGADLFGKVSMNRKMGETYKSDRDAPNILLISVS
ELGGPRTAIDVDPNPDTYEQSRTALLDITRKIVPLVDVFCVACNTLHMFEAQIRETV
ALGRNPSMFVSIISSTIKACKDELNGDESAKISILGGPVTMDLDGNSSYRRLVEEVGKDY
FYRPPSSCTSILQRVIWKVKQEGTAHTSGDALTEYEGLLRDVASQSVKVCVLACTELPLI
NAKHITDLPMKFIDPAEVVADALLSVAHR

>comp4502_c0_seq1; 260 235 1002 LEN=1093; translated
MTARTNCDTSSYPLSKMSNNAMTVNHRDAKSSLRKQKNRAWATTHGNNKYFRDHNRRSI
ATSSSRKGM PASSRTGALAKPRHISNAKRAVSLPADLRNTTALATKDLFWFLPKRKHRT
HCSESDDPYQAPRSQQRHRRHCSESHYPCKATDATVVVTDTRLVECGRTELHRSHFRAFD
EFNGMTAHCREKTSSSGNKFRLSPLKNLNWSGDYFVDTADEHDFPLLGLEIMESVTENEI
EKENQTKFIRHQIPK

>comp4504_c0_seq1; 377 665 1816 LEN=2144; translated
MDSTHCSVRGTSKIIGYHHLGSTTTTSTSSGPEMSAPASRQRKIPKIMHQHGRSVCVPSR
LYNLNQWQKQHLMDDRDNGDNEGDEWSIYFHTEDAMARLFRAAIAVRQGAAGPNTRRH
GSPLIISDDFPHLGQILRTRCIKNRSFIRGLLWRFVCLYIYGGMFVDLEYAPPPTESYGDN
MNTIIDDNRNDAVFFIASDKDKGDSNNLRNSWGGINTNIMAVSPEHPILYYAIQHLLFQI
TTDGYADQDSDNKTIQHYIVSDILERSLADFMDKQSVSLFEFTLGKHSTESRTKTYSGTG
KRTVTIIDSSSGDTSSIGTSNHRHFQMIANFQRKPRASPIVDGSSFDHKVFSPSNQSLR
KHPPSCLHKILADISKSSSEVGS

>comp4505_c0_seq1; 254 72 671 LEN=958; translated
MESKTTTDPMPFERVTRTLDEFGRNCFIDEDGIAATNMCTIHGFFNKCPAGSSSLTYAGTK
NSIDAKLACPLDSVAQSDWREASQKGLCDCEASLLDGECEVIEEQMDCQCFGCPDGTLLG
FAYSCTTPIVGPCLSFDCYGVNCKGFDPGNLTGEKETFAPTEMAQDEDEDTSSARTIGDP
NNHVMGTAVMVLALLRMIM

>comp4506_c0_seq1; 407 363 1864 LEN=1948; translated
MTVISVASIPIGRVERLHTAAVTEATAKEDRTDGILRTNTSTTTTTKALVTTIRDPNPHR
SPTQTAKQAQAGANSYPTSLQRDRLGRTAVGAATAGAFPSTGTFTLETTOXSAHLLNG
DPAHQFPFSLYQPLADAPKSDTATVCSGSMLEDIEDVGSYHDGESTTSGQLSASKQPQQQ
HHHNYPPPTGAIRRSNSKEGTRLVDFERSQEALRAVFPKQSKSAAYASLSQESSQSHAG
ASTSAVATASGSNDEDAVQHKKGMGPPLSRHWLLQQHGNSPFRGTGSVKSIGSNTGSDVVV
NVGSDCGGSLTDAQSVLSQEDTALLSTVNSEISSDVPPAAASAASAGKSDAIDEGVPHPL
LCDRSDGKTNGRTSPGGTIYRGRGIRRYKGRFYALPLKRFHQDGVHLHSDSEPESGVDRQ
LQKHDRWDDRSGSDLRFGGQRGGERHNYHGHAPSRRDRSRSRSRSPPAEGRGRETRSR
KMDQARGYALEKNRDDDGGSS

>comp4507_c0_seq2; 593 177 1076 LEN=1249; translated
MSAKRYPRSVVPLALLLALFMAVSVLASTEGSQRIAAGRSRAEERGGIRLAGAGQAAG
SSDDDDDDNANEDTTAAPKKDDRSSPAVSPKTSQKATAPTEPKTSSPSKATTVSIASR
TSSVASATKEPLSASMQFETPQTASPQTSQVSKSSPSSGSKPEKDAAASSKPSASSS
DTTESPVASGTTTTTSSVGVGVGTEGNQTATGDDDLALASPTADNGDDNFASVIFST
SNNSTKPLVLPKEKEQPKQWPEIVGGIFVAGGISFFLATYCKNYQKRRQYDQVPASLTV

>comp4508_c0_seq1; 616 117 1388 LEN=1643; translated
MKFQLAVLSLFCASPVHVQSFAPASTTPSSSTRSASAASPSVARSVPLFSTAAPAEQTE
ETLELNADYQAALDQATAAIKAGLQGASPEMLSSVVHFCTEYVSAHQANAKQPTENSA
TAALKRISEAIQFGKKGFMGEDKQFGVTHDALRGNDPISEEIGNTLDFYQWGCDFFRHF

IDVEDSIVLGEDNLKAMEQASKGENVVFYANHQSEADPQVMSILLEKAGYTEEAAKVIY
VAGHKVTTDSLAI PFSMGRNLICIHSHKXHDIDTDPDTKSQKSRQNMKAMGGMLSKLKQGGC
ILWVAPSGRRDRDTSTGKTP IAPFDSKTIDMFRLMGTKSKVKTNYYPLSMVSYELCPPP
DFIEAGTGEQRNFRFVPGVIGKGDQIDAESGSEDAFHGAFEQTLADYHEL RERIFPGTA
PEL

>comp4508_c0_seq2; 224 1 720 LEN=975; translated
YPPRKGEDNLKAMEQASKGENVVFYANHQSEADPQVMSILLEKAGYTEEAAKVIYVAGH
KVTDSLAI PFSMGRNLICIHSHKXHDIDTDPDTKSQKSRQNMKAMGGMLSKLKQGGCILWV
APSGRRDRDTSTGKTP IAPFDSKTIDMFRLMGTKSKVKTNYYPLSMVSYELCPPPDFIE
AGTGEQRNFRFVPGVIGKGDQIDAESGSEDAFHGAFEQTLADYHEL RERIFPGTAPEL

>comp4509_c0_seq1; 614 63 845 LEN=1194; translated
MADNWDDSDDDWDVDDDALDAKLGLNKSAPAPVNNFDEEDLALKEKAEQDRDLKINLK
KKGSA LA AKKQAEKDRQDDLEIARKALELEAEMEANMTLDERKLMQRKREEESELDMMGD
AFGGGIGDGGVGRKGVQQAGDKVVMKMDKDHMKHARKVADCMKGHGKIHLTSIFIKVQ
QSKDLLDDAAISDIKTCNVIKNEKVQASKRKVKGQAQKSKKQEKIEKAKAQAIQNELFG
DSNQYDEYDEYGEYEDAFF

>comp4511_c0_seq1; 234 29 721 LEN=1031; translated
MAKRNNMHNTSHANINTVRFSLAHVPEHHQDLGCMGTRSAWNSDEDYHSSKNRDRVALPP
RRPSRIRKNPNGLNEEVFVSSGIDGQRMPLPYREARQLSKPSTERKSILKSKFSHRDSTI
SKIPSTSKCPESPNCISIASDDSSSAFDRGATSLCSSLLRNHRDSVLDLHRLARHRSGVNC
PRKPSIADESITDSSILNDESDDRSMSTLGQSNHTFGSNPPLTDLLLEM

>comp4512_c0_seq1; 246 553 1098 LEN=2502; minus strand; translated
MHPPPCPFSRLRCRVVSLRFVVASLLRRASSVLQNNTKLHGAAKALDCDDLLSSWNSEGSP
NGKKE SFLVDFSGGGKHPNRTVRALELGLQFQAGFAAEEITVYAKAQQGEGETGGARWR
KAEEIEAEDDHQLSFALPAEPEPTTALKIVFGETTDFYGRV IYQIQVWGKNLGNDCDKS
S

>comp4512_c0_seq2; 246 461 1006 LEN=2410; minus strand; translated
MHPPPCPFSRLRCRVVSLRFVVASLLRRASSVLQNNTKLHGAAKALDCDDLLSSWNSEGSP
NGKKE SFLVDFSGGGKHPNRTVRALELGLQFQAGFAAEEITVYAKAQQGEGETGGARWR
KAEEIEAEDDHQLSFALPAEPEPTTALKIVFGETTDFYGRV IYQIQVWGKNLGNDCDKS
S

>comp4513_c0_seq1; 228 198 1502 LEN=1621; translated
MAAEEEGEGNDAVEGDI IRDKVDLWVPRLIGSVTFLCSIFILGLSWRRRAYVFHRLVLGI
SIHLIVSGVCLIWGAAAIPSDASDAVGNYGT VATCTVQGVLLYVSFHSVFFYVCLSLYS
LLGVPNNFCDKRRLVAEKWIHAGVHVFP IASAGYLVGIEAFNNVGLGYCLTVSDPLACN
NPESGVP CERGPSVEEWKALNMFWIVPQLLILLCPTAIMIALYFQTRKHQATVRIASADV
AKQSALYLLSVYWI VLPFLVQQLWSSSLSTTG YSTEP IAFFVFAVLSTSNAGL FGLWILLF
YLCFSFDISISSMSATRK MNTVAEDKGPQR PGRSGRPTVATSPKTHNIFRSQDIVGAGEP
GSPLATSHSSKSLGSR TISFNIFDGTNAAGAFAD FVFDGSDDEKADATETAYCIGLQ
PAFQEDPQRVPPST

>comp4513_c0_seq2; 223 198 1346 LEN=1465; translated
MAAEEEGISIH LIVSGVCLIWGAAAIPSDASDAVGNYGT VATCTVQGVLLYVSFHSVFFY
YVCLSLYSLLGVPNNFCDKRRLVAEKWIHAGVHVFP IASAGYLVGIEAFNNVGLGYCLT
VSDPLACN NPESGVP CERGPSVEEWKALNMFWIVPQLLILLCPTAIMIALYFQTRKHQAT
VRIASADV AKQSALYLLSVYWI VLPFLVQQLWSSSLSTTG YSTEP IAFFVFAVLSTSNAGL
FGLWILLF YLCFSFDISISSMSATRK MNTVAEDKGPQR PGRSGRPTVATSPKTHNIFRSQ
DIVGAGEP GSPLATSHSSKSLGSR TISFNIFDGTNAAGAFAD FVFDGSDDEKADATET
AYCIGLQGP AFQEDPQRVPPST

>comp4513_c0_seq3; 197 498 1646 LEN=1765; translated
MAFQCLGISIH LIVSGVCLIWGAAAIPSDASDAVGNYGT VATCTVQGVLLYVSFHSVFFY
YVCLSLYSLLGVPNNFCDKRRLVAEKWIHAGVHVFP IASAGYLVGIEAFNNVGLGYCLT
VSDPLACN NPESGVP CERGPSVEEWKALNMFWIVPQLLILLCPTAIMIALYFQTRKHQAT
VRIASADV AKQSALYLLSVYWI VLPFLVQQLWSSSLSTTG YSTEP IAFFVFAVLSTSNAGL
FGLWILLF YLCFSFDISISSMSATRK MNTVAEDKGPQR PGRSGRPTVATSPKTHNIFRSQ
DIVGAGEP GSPLATSHSSKSLGSR TISFNIFDGTNAAGAFAD FVFDGSDDEKADATET
AYCIGLQGP AFQEDPQRVPPST

>comp4514_c0_seq1; 238 238 858 LEN=1151; translated
MTNSSIRTRSNI FVNSFTWNNKRI IRSENAMKNYKRHDGKIHRKHRLQSIPSM EGLVL
RTAKVDISTNECDENKAPGGGLINQDEKDVFFLASPSSLLIPPCNPTRSLPELPYKRQQR
SQFQYEDKVYIPKFDPSLLQFPILPSPPPSPSKSRAAGSKYSKKKQVGKRY SAPKHNPW

DPSHIPIPSGIRLLPKTRFVLPDNC

>comp4515_c0_seq1; 425 331 1512 LEN=1792; translated
MCGKRIPAASSLVSSAPTGNVRCRGRQTIPYFYVLGASLLMLQIVVAATSSNIGNFQGI
SFAKSHKRPSFAVDRSIPRGALFGTATEDFDDEEEDDEEENDDIRQHPEYDKLLAYR
MKQQVLLQLRATYLSSETLAKRGLPIATIQDVATPEGTSPQKVDWDCAMSTEEDPGHCLI
SYEPEPGAKLVVPIELAHTDKWITLAALNRLRRDDPSKVEPMWNDKYAVLTSWFSFNSRY
SLLQHMGPKGVLSTLLDGNRLPLVVGILVLLVTIQVLPPIIEAVMNRLLVSGFVWERWPS
WYRYVRVGLPFKLLILQVAFGQVSKAFSALVVFVKDKLVDMECRILEETIPLTVGVPDGP
YDTDDDEDDVDQEETDDDEHDESSDDDDMDE

>comp4516_c0_seq1; 410 136 1437 LEN=1844; translated
MSYAYQNPTRTTTLLLLWIGLLGCSTRTIHSFVHIQARASNPRQSGSAGNHNHRIGSAKH
HRPSAGPTPPATGFDGSSSELYGSEGSREEDIDEDASYERAQRIMYNQLSRKRESVRYQII
AAEACEPLAMRMAEKYPDRFHFHPTTWAKFPDGTDNIEIGGFNPNRVVSGEKVLFVLSF
HSNDTTLQSFQVMICLLQSFIESLTVVLPFSPVGTMERVTNEGQVATAATYAHMFSSLPN
CGRPTRLMVYDLHTLQNRFYLHGNSVASLHTAIPLLKEKIEATGINCVAFPPDDGAAKRF
GMFLDMDLEIIVCGKTRGEGDARSVTIQDGNADGKHIVIVDDLVTGGTLYETGRVLEEA
GAASVNAFVTHGVFPNESWKRFRNKGGDRACFEKFWVTNSIPTVTNDLPEEDGIFEVLDDL
DLIIDDLDHYNSI

>comp4516_c0_seq2; 362 136 1590 LEN=1997; translated
MSYAYQNPTRTTTLLLLWIGLLGCSTRTIHSFVHIQARASNPRQSGSAGNHNHRIGSAKH
HRPSAGPTPPATGFDGSSSELYGSEGSREEDIDEDASYERAQRIMYNQLSRKRESVRYQII
AAEACEPLAMRMAEKYPDRFHFHPTTWAKFPDGTDNIEIGGFNPNRVVSGEKVLFVLSF
HSNDTTLQSFQVMICLLQSFIESLTVVLPFSPVGTMERVTNEGQVATAATYAHSEYSXSV
TIAVCAVPQDLASDTHTRTHHTLVPTLFLVVAVAHSSSLVSRSHSVLVPPQLRPADAAMV
YDLHTLQNRFYLHGNSVASLHTAIPLLKEKIEATGINCVAFPPDDGAAKRFSGMFLDMDLE
IIVCGKTRGEGDARSVTIQDGNADGKHIVIVDDLVTGGTLYETGRVLEEA
GAASVNAFVTHGVFPNESWKRFRNKGGDRACFEKFWVTNSIPTVTNDLPEEDGIFEVLDDL
DLIIDDLDHYNSI

>comp4517_c0_seq1; 292 1 1051 LEN=1197; translated
XDAAMFRKRTKKAANKSNLRRKRDEDEDPVGENVSGNDESEGDAAATSARIRSTLKKQKI
LATLPMTSGGSGRFRASAKQNRSGDDHHQQQDGSQAAELSVLDTKHKNMSEFIEERMA
SSGAGREGGTGPAGQPPEASASASASTEDDLRSLAREVAGETEPLAPGNEGPEQDG
DQGAGGAALLGGTGIAEVILPSTRHEPVALFTGQRGHRHFSEGRSSAVPEGERHGRSLPE
TTPKPLVRFSGKASANLLETKGSSEGGKHSRREPSGGEGDLGPEDGKADADRKGDFAFR
GRAAASSSLSDQDPGGDDRTRHNRWKTGQNRDDVVYRQFLKALNPRNI

>comp4518_c0_seq1; 517 227 1612 LEN=1640; translated
MTSLSATKRFVSPSLSELVRFVGLSFAFLLVGDVLMVQSLSSSPMTMASSKIPETPS
TSTIQQRSTFVRPSLEESSNTSIQLSNVDDVDESVELKTRRVFVGLYAAGIASTLLGSS
PDMASANEPISTVDSTVEETLLQVPTLEISDAAAVDWNISIFQKASKRALGGGKAGASAAV
IQVLSLMWLRTSMNRQYRYGGDLKSSSLKELWEEGGIPRLYQGLPFALVQGPLTRFGDTAA
NVGILALLESIPETQTLPLPVKTGLGSVSAGLWRIFLMPIDSSKTAMQVEGKEGLKDLLE
LVRKDGPSQLYNGALAQAAATAAGHFPPWFLTYNYVDELLPAVSKADDLLLSLVRSAVLGL
CASSVSDVTSNSLRVIKTTQTARLGGTNGSGVDGTAVSVEKKENDDQDNSNDPSYAEIV
QMIIEKDGLAGLFGRLKTRLLTNALQALFVLFKYFQQA

>comp4519_c0_seq1; 389 163 1359 LEN=1454; translated
MNNFIFDADRSYNQTTANIRACIDTNLTYASNANYHNQQKPPRMTPRRASIAYFADEP
TRRSSIAYFADEQSKTDLAFDSNEIFRPEHVFEIDDREDKSIQYARDQRVERSTKPTQD
SLTISIFPSSKNYTNKDLFQPTRTSVRKDEDQPSKSSNKIGTSMQFFDVFTPTAPATDR
EQYQQHNHHQQYQQQHQQHQQCGPNLTPLESPPKEHNTRKRKATDETPAPKKSFKLR
FRSHQAQGWMEKYEELLDYRLANGHCLVPNQFPENPPLAEWVKRQRYQYKLLKGLGKHSSM
SDDRVALEKLGFWVNSHDAVWEERLKEKQFKSIFGTNTNVP SKYKQNPQLAIWVKRQR
QYKFLTEGKQSTMTPHRMEKLRREIDFSWSGRCKTSSV

>comp4520_c0_seq1; 363 1904 2953 LEN=3489; translated
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GSEAERDRFLASATMIPDSTDSGGAKSKPSIVGYSVQRIKTSDATKREGFTGSETAAG
AGNGQASPNERTALLNPTQHQRHSATKHNDNFNIDHPSLIQGDDEEECYNDFNELSK
GFDALVKRFELFRRVIEHEDLLNQRMSWIIAQSFMAAFISTGSDNDNNNNRRFLSIT
AAVGLLTCLVTLPALVAAGKNIEVQQHIYFAGIRSDSLCQRLHGHGRDRSWGGDTEHKLR
SSSSHLLPNTAFRSRFGVPIILTTVVLLSIVQVAGWCGLLVALIMADDDR

>comp4520_c0_seq2; 363 1653 2702 LEN=3238; translated

MTKRARIIMESSTTVTPVARSIKSSCHSEDSGHVWLVTIDYDGSPSEGCSDCGHSTSCVF
GSEAERDRFLASATMIPDSTDSGGGAKSKPSIVGYSVQRIKTSDATKREGFTGSETAAG
AGNGQASPNERTALLNPTQHQQRHSATKHNDNFNQIDHPSSLIQGDDEEECYNDFNELSK
GFDALVKRFELFRRVIEHEDDLLNQRMSSWIIAQSFLMAAFISTGSDNDNNNNRRFLSIT
AAVGLLTCLVTLPALVAAGKNIEVQQHIYFAGIRSDSLCQRLHGHGRDRSWGGDTEHKLR
SSSSHLLPNTAFRSRFGVPIILTTVVLLSIVQVAGWCGLLVALIMADDDR
>comp4521_c0_seq1; 104 1 498 LEN=560; minus strand; translated
XTPTTNSNSYYLRDNDIVHTEETMDQKSPILGNGTIHSPPQSKIADQSLHRSALLGDRPL
DVALDVHPPDPGPNAGGKVGAAHGLVAARGRNVDAHPEI GLGVGRGGLQKDPEAVVPGT
ELVGGPAGGTLRREPDELLVALLDVLDRLPQDRCAAAGWQPRNCNEK
>comp4521_c0_seq2; 150 1 792 LEN=906; translated
ENESESENDGPPGEEDRGP SRGPV RPS CGWR LG AACFGTAS FLLSCLFLYLTVMNLGATY
QQNIVRLRLNDSFAILYPDDYHTGEMCAWSDRSPEGEFRTFASLREVEETNGAFTVVHCG
ACGACSNWEDLSLQWTTTRTFLAQASKQCCRTSILGSVEDVQECNEELIGFTPECAACWTT
DELCARDNCFWIFLQATTTNAETDFRVGVDDITAASCDEAMCGPDFAPCVGAIRRRMNIK
SDIERPISQQCTPVQEDWSAIFD
>comp4521_c0_seq3; 231 90 1079 LEN=1079; minus strand; translated
MELFTRLLLLNQSRNTNPLAPECILKRNAIQWSEKRNETKQEKNRVRRGNSIALAASPWK
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VDHPEI GLGVGRGGLQKDPEAVVPGTEL VGGPAGGTLRREPDELLVALLDVLDRLPQDR
AAALLGGLGQKGGPGLEREVLPVAACPTGPAVDHRKGPVRLDLSQRCKGPELPLRGPV
APGAHLRVVVVGVQDRKGIVEAEADDVLLVGRPEVHHRQVEKQAAQEEGGGPEAGGSQP
PPARRPDRPPGRASVLLAGWTIVFAFAFVL
>comp4522_c0_seq1; 154 36 131 LEN=836; translated
MASAAIQAQANALNAKMEGEASKMLDEVERVW
>comp4522_c0_seq2; 198 36 494 LEN=591; translated
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EACTRSCQAPYQQSSNLVQQEVAQFQNRRLNRNMQECQEKARDMIRPGTENDSYAMSKVET
ALITCMEKQVNEHIKLLNPMKERITSVLKNYQ
>comp4523_c0_seq1; 714 213 2075 LEN=2976; translated
METRILLLSLLLSAVVATRSVVEAKTTVSRIEFSSSAIKYKASERLLENDGQSAVEAFLS
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VLEDFSDLNKVDQLVANAEQVQITNTEEQVTTETNDDEVDEQFDWDDNEKLGQAPSSNGS
PYRGSVPEDFDGYTYQYDNLADYEPWP IGTVTLLLEFS DGWYEGKITSFSLSEDKTNATY
VVTWSDGTGDRFVNELEWMDLMVANAQHYEPWSIGTQTYGYPNPDENDDPSEKFYLDGEI
TLFADGAYTITWSNGEAVVYSDFDEVDEFVNAAAAYFDPDQFNGYNPWPINTPVSWDFDD
GWWDGTITGFEDGVYEVTWSDGTNKYYSNFEKIDQMVAFGAGEGFLEGPSSESYSSGDDYY
AISGYELGTLVYAKFEDGWAGYIDSYDDDDYYIVLWSESSDRFLPGPDMDMVMNNAQY
IQYDFNLYPEGTQVYAEFNGYWYWGTEIHSSESGFYELWEDGERTVHVAGAYLDDMVSNA
YYAGNSGNVLSFTFGIVALMLIVLGGSGGLAFFYMRGRKQRRSAELTEQVQENELDLDED
VASGSEYTDENGRIRANVV
>comp4524_c1_seq1; 205 635 904 LEN=904; translated
MADSDDYGTNDYDIGTASYGETVGSRRQSYEDEQSPSESGSSSSSSSSSSNIDSDSVSQ
NALFSGESCSNSSFRDANTTSDYRHDDDD
>comp4525_c0_seq1; 405 118 1236 LEN=1424; translated
MGSASGKAKNFNTAADKDNINEMSGGYRRASHAGSWYSDDDESALDQTLRYLAAAAEEG
GDERQEDSESSSLRAIICPHAGFSYSGPTAAYGYRALEEELSKHESPVRRILVFHPS
HHVYLNCAVSGASAIETPLGDLPVDAELRDEILSLKKSGLGGEAAFTVMDRDTDEAEH
SGEMQYPYIAKVL RNAKQRKGGASLP IPI LPIMCGSISNVKELEYGKLLTKIVARKDVVS
IVSTDFCHWGSFRYQPTAATAAGTKTTTMEIFEYIQNL DREGMRHIEMKEPGAFA
EYLKNTRNTICGRHAIQTWLNNAVHSETASSVTNTNAALDIEFNKYAQSSQVRSMRESSV
SYASAVARVSRV
>comp4527_c0_seq1; 493 156 1429 LEN=1429; translated
MEQPNEQYRSDSHRENTTMMVAGHSPSPNPVPSMEKKNISDAIVEHQSRILDREGIYLTD
RMFDPPSKICGSMILKLSMGNNGNKKKKKKKNEQSLEDKSDPSSAMMTMLRSKMQKKK
RNDKKL NENKKSEKQQVLVVPASTTMSI SEPTASVSFLPSVPPTNTKENADEEMLFRD
VQLLLKEIKTANGTRKEKSTSEEKPKKAN EK DIPSSITSYNRRFRDGEKEKLR IKDIENW
EEESLDSVYIDDSVGDKENDTTIDRLKLERKFYRSEAKTLRSELGNIKEELSELRKFLQR
LPNNKDENHEPSEGHQVQHESDAASSMTLKSFDTIYTEHGD LFSNLEDANKVLR TKQQR
ERNSTKLERPVPLYAANLAQSLPRDILSVKRDTNNMDIRSGSDYQEQR TSPKVRRELS

SERFS

>comp4527_c0_seq2; 812 156 2330 LEN=2848; translated
MEQPNEQYRSDSHRENTTMMVAGHSPSPPNVPSMEKKNISDAIVEHQSRILDREGIYLT
RMFDPPSKICGGSMILKLSMGNNGNKKKKKKKKEQSLQEDKSDPSSAMMTMLRSKMQKKK
RNDKLLNENKKSEKQOVLVVPASTTMSI SEPTASVSFLPSVPPTNTKENADEEMLSRD
VQLLLKEIKTANGTRKEKSTSEEKPKKANEDKIPSSITSYNRRFRDGEKEKLR IKDIENW
EEESLDSVYIDDSVGDKENDTTIDRLKLERKFYRSEAKTLRSELGNIKEELSELRKFQR
LPNNKDENHEPSEGHQVQHESDAASSMTLKSFDTIYTEHGDLSNLEDAKNKVLRTKQQR
ERNSTKLERPVPLYAANLAQSLPRDILSVKRDTNNNMDIRSGSDYQEQRTPKVRRELRS
SERFYAMISSPAPKVIVENQRVGTGQRTSNNQRNITICKSEHKNDPEEKGDQVAVKNVS
PYRTRSYRSRSMSPMRRRNKLNPPSPSVGKTRGDNRKSERSVSRPGHSHEAALKDEMKN
ERLVMQNDGVVNSRRSINHAPEEKNSGMEFNYYDDAKNFYRSYQOSSEPDAAKELGNISSK
TESSQSDSLPNGRNATSFTFNEPKSPLFDLKAADRKYREMRRSMQVGSNNVGHHLPECE
SESDSDFLGYCTTDDSQSENDDSSRLSFQHQRPISRNFSLKKMCDEEEESSDSILLRPL
PPSR

>comp4528_c0_seq1; 461 260 1666 LEN=2406; translated
MMSIAVCPISLTLALALTAAPGVSGYAI PKSKFLPLGVGNQSKMQTKAPVLSNRRGSL
LRMTKDDDSNKKDSSDVSPSNNFSDAPTTKASSSKREMLKFALPALGIFLANPLLSNID
NAFVGKTVGTEGLAALSPATVCTDQLLYLFLFLSRATTGLVSRAGQSKTDFEKKKAVAE
AGSAPLTVALMCGLLLTIFYAYCTPNMLSMLSVTPALRGPASSYIYWRGAI SWAALAQSV
SLSILLATKDAITPLKIVALAAGVNVIGDFLFCVFPRLRLGVSGAAAATTFATLLSSAFMV
KGLKKKGILPKIRWPSRKELLSLMEFTGPLLGITLTRMFGFVKMQTTAMTLGVKQTAAYQ
VCLNLMVFFLLFAEPLSOLSQTQLPELIEAGDGEQVKS NFKSVLSLGLAMSSIAIGGVAGL
ATYFGSFLFTSDPAVQALAKGAAPSLFLT VATAIFASEYYSEIGKAIT

>comp4528_c0_seq2; 535 260 1906 LEN=2270; translated
MMSIAVCPISLTLALALTAAPGVSGYAI PKSKFLPLGVGNQSKMQTKAPVLSNRRGSL
LRMTKDDDSNKKDSSDVSPSNNFSDAPTTKASSSKREMLKFALPALGIFLANPLLSNID
NAFVGKTVGTEGLAALSPATVCTDQLLYLFLFLSRATTGLVSRAGQSKTDFEKKKAVAE
AGSAPLTVALMCGLLLTIFYAYCTPNMLSMLSVTPALRGPASSYIYWRGAI SWAALAQSV
SLSILLATKDAITPLKIVALAAGVNVIGDFLFCVFPRLRLGVSGAAAATTFATLLSSAFMV
KGLKKKGILPKIRWPSRKELLSLMEFTGPLLGITLTRMFGFVKMQTTAMTLGVKQTAAYQ
VCLNLMVFFLLFAEPLSOLSQTQLPELIEAGDGEQVKS NFKSVLSLGLAMSSIAIGGVAGL
ATYFGSFLFTSDPAVQALAKGAAPSLFLT VATAIFAITVDGAMLASKDFGFMLSQGLVMM
LLQLFLKLTWCSSISTIFATFTLRLGLYALCCLLRAGLGSNGLGRAMFKSGRVAFFKRK
INGLASGN

>comp4529_c0_seq1; 283 907 1464 LEN=1852; translated
MVSITGCFLSVCVLPALVFLKNGDLP SARQVTLGT FATIGATGSTVALHFVFGAYVLEMK
PVTNSNDDTNGDDQONPLLEATTRSIFGFWNDIHFVDFPKNDVTPYVGMPPFANFCANEI
PLYVHPERLDSTTRQLLLHNAVGSSSSEKCDSSSHGDSIDIKDYRDINEGASSKRKKE
DDEL F

>comp4531_c0_seq1; 685 137 1870 LEN=1936; translated
MTTGAIITKAELPRDLPGPSEERFLVIVCEPDGIKWSLHDGVSFHYAPT VFWTTPHLQDE
DRSASPCKSLTRFLCQHALAHIFGASDYHKATKQ NATKTA AKRMAPSTTIYVLS SNKQHE
TDLLFLFSEVPSRILRFSASDFDAQALSSVKATIGQLAAMHAIKKDYGSPVLLMECSVA
IEYFGLDGN SKFLGGGVCAGMP IRCRSLFDYCNNQDFPSID FERYTKLTEKAKKSGTPMS
LFSTDPFQRVAASATAEMAGQLRNIVRQFLGLVGPTDAPVTVVL CGDDTHLTRELLTDNC
SSIVAVEPDVEFPGPSKVTFVVRKNMAAYGVQHLLSASKEQKVPLDADDELREDLVGLRA
AFIKEPGNTKIHRGSITRVVRGAVFEEDSVILLLLDEGDNVTLDLIKLYDCLSLYQEVGEE
SKIENKEVWVGEKQOASTKVQVELEKKNVFATRKTILSEAKEKEGSIVKMOVAPPENDKR
GAKRPRQSPSPKPKKASKESPEKYVGHRIAKLFDSPNPDDDEGDMVLYFGSIDKYNGETKL
WHVTYDDDDDEEFFDFDEVRDGI LLWAKNKDDDKNAKS

>comp4531_c0_seq2; 523 137 2053 LEN=2119; translated
MTTGAIITKAELPRDLPGPSEERFLVIVCEPDGIKWSLHDGVSFHYAPT VFWTTPHLQDE
DRSASPCKSLTRFLCQHALAHIFGASDYHKATKQ NATKTA AKRMAPSTTIYVLS SNKQHE
TDLLFLFSEVPSRILRFSASDFDAQALSSVKATIGQLAAMHAIKKDYGSPVLLMECSVA
IEYFGLDGN SKFLGGGVCAGMP IRCRSLFDYCNNQDFPSID FERYTKLTEKAKKSGTPMS
LFSTDPFQRVAASATAEMAGQLRNIVRQFLGLVGPTDAPVTVVL CGDDTHLTRELLTDNC
SSIVAVEPDVEFPGPSKVTFVVRKNMAAYGVQHLLSASKEQKVPLDADDELREDLVGLRA
AFIKEPGNTKIHRGSITRVVRGAVFEEDSVILLLLDEGDNVTLDLIKLYGTHMHICDVLKQ
ARYFAHRVSFRFLYPLRLGGV LVARSVFLSALACSNLCSLSLSLILADCLSLYQEVGEE

SKIENKEVWVGEKQQASTKVQVELEKKNEVFATRKTILSEAKEKEGSIVKMOVAPPENDKR
GAKRPRQSPSPKPKKASKESPEKYVGHRIAKLFDSPNPDDEGDMVLYFGSIDKYNGETKL
WHVTYDDDDDEEFFDFDEVRDGI LLWAKNKDDDKNAKS

>comp4532_c0_seq1; 440 278 2110 LEN=2341; translated
MAQGANGDDDDSSFPALDERRVSFNDRFDSYYSRTAAFYGNLLKVSQREHWQLASPMTK
HVFPSEHSAQSAGSFKMPRTRSRSFNDYIESRDNDGYSARTFKTTAMPTWKTNSNRGA
TSPVRTKESDPERGGHQGRDVRKDDGAMPFSLSVLYGAINCTIVLPVIMSFGNI IYRDDA
FIAYMPVLIKLTFLSGMVHQLCFSLFSTLDFAVGVSQDAGLI FL SRMAHDMVQYCRARNY
DDDTMLATVTVGLGCAAAALGVGLI IIGKLG LASVYQMLPTCVIAGYLAYIGWVFGYSGL
GIMAGESSLTPALLVEKSLYILPGVAGGALIYVSVRKRHAAVLPSCITLLLVAFYVILL
VTGTSVETATENGWIRQTQDEPAWYQTDWYDQVQVDAALPQLWLTWLGMLFVVALSS
LDVAAIELEMNDPLDYNKELRMVGI SNFVSGLTGGYTGSIYFSQTI FSLRIGVRSRISGF
SIAFFTLVIVLFPFILSYVFNFFYGSLLSMICIDLVEWLWEFRHKATTAEYLLGLSTF
GLIQVLGVEYGIAAGVVLYVACRQLEIDVGELKTVYVEEDENTTRSCIEICAEPDETTKLV
VNGDDSQPHF

>comp4534_c0_seq1; 302 1 1593 LEN=1593; translated
XSTTLNLSSSESSAVVSLQDL SGNLITTTSTTPQANRVI IETELSNLTESPSVKESDRET
IGGRNATICGELILLPDQIAASMIRLYQLELKKNLRYRRFILEQRLHNIQRVSVFSPSE
GDPHPKRKMVVNQKFEVTLNHTNGDTGSSDVGERMSLSKAFLYTGWLDAAGQPHDDKIL
RFEDGQEQYKGNVYKQRHGSGINRWPDGQKYDGEWRHDSRYGRGAHTWNDGRTVAGSWKD
GHGRLFYRWPNGAVFDGNANMGKKEGRGVSTRSDGSVYNGNYKNGKENGFGTVIRPDGVK
FRGHFRDGGKKEGYVMLWQTRTYEGEWSNDKPHGRGRVWWSNGAVFSGRFQQGSFSGMGV
YTWPSGEKYVGMWENGAKSGHGTHTWPCGKKYDGHYTNGRKEGYGRMSWPDGSAYCGGFR
HNKRYGRGIQTDRDGAVVHCGLWKDNIPLDEAGGTTKLPVVEGGTPEFRLGMKNARLWS
GSSTDTGGLESFDHVQRGENPLLESESRQDADAVHHRSSICQSSGPAIIERVX

>comp4535_c0_seq1; 284 772 2204 LEN=2204; minus strand; translated
MWATPDAKELCALYVSAGVPIYPHSLGHSYHTLIWRLSIEVKQLQEQQTKNSINSVDIST
PPNAPGAPRAAETIPVDPFYNERDDMRMREELILGSGRVGLTYLEEKAMHKLNSKYTES
HADRI RSVNWRRTSTNARGLPQVPFMPFPPTASGRRETHADWHAAGRCASSRQQLSRS
NSFSGSRFRTPSTILKVHRHLLDQHLLGRSGVDDGEGSMPTPPVSLSADFFHPPFFSFLST
EETMRNRSNGSDSMGRTTTTGNTSLLPAYYQPVSGRNLESDDEDNDARRAGSMGSNYTDDS
DSDFEAEMHPRPDIMEPLRLRNADEIVAAGAAMQPPAMVPPVPMVSLGTRPTSASASI
ISEMRKSSHQLTVQSGILSNIELDVYSTSSKSLKIGDDSKAGRQLSHYLKGRFAAYHRCL
ERHISKNDNDGFEECILDFWDEF L PQTANIHYD KHTAVPRISRLDEF LTKPCPKAVX

>comp4538_c0_seq1; 383 99 1265 LEN=1314; translated
MTNFMMAKRLGLNGMSAATMRVGKYL VVASTPASSLAATYSSKAFCCSSPQSECGGAGIGN
VEDRILPSTFTDSRLFKKCRHPMTAS IIGAPMTYGPFPVGTDYGPKKLRERGLRSNLTKL
GWRVEDTQDLNFDVSNQSHVDPDPNARNCSLVGKGCSSLSEVVETKINDGHFPLVLGGDH
SIAIGSLAGILRARPDTGI I WVD AHA DLNTPDTS GSGNFHGMPLGLLMDHPDGQYDFSKL
PGFEFLVDGPRISPEQLAYVGLRDVDPMERVWIKKLGIKTFMTD VDFLGI GEVMKQVLE
HLEGRPLHLSYDIDSVPVLAPATGTKVRGGLTYREAHFVAEFVAQSGDLASA E VVEVNP
NLSDDDGANETVELGMQLITSLMGKSII

>comp4538_c0_seq2; 383 97 1263 LEN=1312; translated
MTNFMMAKRLGLNGMSAATMRVGKYL VVASTPASSLAATYSSKAFCCSSPQSECGGAGIGN
VEDRILPSTFTDSRLFKKCRHPMTAS IIGAPMTYGPFPVGTDYGPKKLRERGLRSNLTKL
GWRVEDTQDLNFDVSNQSHVDPDPNARNCSLVGKGCSSLSEVVETKINDGHFPLVLGGDH
SIAIGSLAGILRARPDTGI I WVD AHA DLNTPDTS GSGNFHGMPLGLLMDHPDGQYDFSKL
PGFEFLVDGPRISPEQLAYVGLRDVDPMERVWIKKLGIKTFMTD VDFLGI GEVMKQVLE
HLEGRPLHLSYDIDSVPVLAPATGTKVRGGLTYREAHFVAEFVAQSGDLASA E VVEVNP
NLSDDDGANETVELGMQLITSLMGKSII

>comp4539_c0_seq1; 551 372 1472 LEN=2044; translated
MSAPAPATVNGTADGEAPQPMFQMSNPAATTNGDGATPSIGGMLDIGNLDLEELFVDCYY
DVPGMADMANDQHANAPAPAAPVPTPV SAMHPAVAGDPAASAGMVAPPAPPAPQPAAVPS
AAAPAAESSKRPASEIADGPSGGQLTAKQKLERRENRREHAKRSRLRKKFLLESLEQEQ
IHGLQEQLDKFKKAIRTEIPAPRAEEVIDQICGHENKYTPLPMPSGFGPVKTLMEPDFRL
MSALSGSQNF AISDPTLPDNP I VYVSQGF LDTGYQLDQVLGRNCRFLQGP GTDQSAVD
VIRKGI SEGIDTSVCLLNKADGTPFWNQFFVAALRDAENNVVNYVGVQCEVSKAVVEKH
MGKEKK

>comp4539_c0_seq2; 458 1 1074 LEN=1646; translated
ASPTASTLLPDGFSFVFQAATTNGDGATPSIGGMLDIGNLDLEELFVDCYYDVPGMADMA

NDQHANAPAPAAPVPTPVSAMHPAVAGDPAASAGMVAPPAPPAPQPAAVPSAAAPAAESS
KKRPASEIADGPSSGGQLTAKQKLERRERNREHAKRSRLRKKFLLLESLOEQIHGLQEQLD
KFKKAIRTEIPAPRAEEVIDQICGHENKYTPLMPSPGFVKTLMPEPDFRLMSALSGSQQ
NFAISDPTLPDNPVIVVVSQGFLLDTGYQLDQVLGRNCRFLQGPQTDQSAVDVIRKGISEG
IDTSVCLLNYKADGTPFWNQFFVAALRDAENNVVNYVGVQCEVSKAVVEKHMKGKEKK
>comp4540_c0_seq1; 445 1 661 LEN=955; translated
XLGLDEVLHACSDTLDAHYIENPVLYSTMKSAILFAMVGSAAAFAPSQQQKTTSLSAWK
DENVIGITAPMGFFDPIGLSKNKDDATMNMVYREAELKHGRVAMAACLGWYLNAGVHPAF
NSSLSNNPLEAAKELPAVGWLQFVLGCGAIEWLAEKIKDRPGYVPGDLLGAAYWVDNTDE
GWVDYQNKIEINNGRLAMVAFMGIITQDIYFGNYGDMIFKN
>comp4541_c0_seq1; 886 128 1873 LEN=2055; translated
MATEKDDVVLVEHTDVTVDATAATTTTTTTTPTVSDDESGLDGGNKVGAKEPCKPEPLQ
IVSIGTEEDKFAFQFHEERLNSIMRKIPPGWKVSVVSVVGAFRGTGKSFLLTWFLAYLKEK
KKSSTGDLIEGDKKWFETIESIENDAFHWRGGSERNTTGIWMWSQPHFVKRGDDTMAIL
IVDSQGMFDNETTMSLTASIFGLSTLLSSYQIYNVDKRIQEDNLQQLALFSEYARLAVEG
TNGDEAKKEETGDVKPFQTMFLVRDWQHFEDDEEDYDRMEEEMNEYLQKVISEREAKDLQ
ETREQIFACFSKTSFCGLSHPGMAVIKKNFKGEVSKMDETFLLNLLDRYCRRVFVENLTP
KVIQGREVTASELGSFIKAYAEMFASGASFPEAATMLEATATANNSNALNLAVGEYKDYM
NRISGPNCSSYIKPKELEDDHRHLLMKALNKFDSMATFGSKHSIEEARQSVLEMINNEFA
VYASLNEGRNPLAGLETYIVPLTVATASYILRAVADMTCSNVSQTCRNTSELLSHIYAVV
VIFMLIIMATKAQQVKEFLGRVKGAVELVANSNGDTKMKKD
>comp4542_c0_seq1; 206 168 578 LEN=1155; translated
MKRSSSIAALDDTIDVKLGNKPHYDEKLLVSSMMLVAIAEEDRQGRFLRTQRSNGSIGS
MSARSGCGSYGSLRGWGSNASRKSYSKVDLCSLSDENSGDIANRKISTKIQKKCSTLTLQK
GGANGRSSTENAELETW
>comp4543_c0_seq1; 471 147 1505 LEN=1849; translated
MIVMRKAKIFFVLLGCHNLFAGYGVNSDIIEMNSISRNNDKHKGRNLVNMVPGDRVSSI
DKSSAICTADSGDQVEIVRTVVDYVYAIESTDKITTKDSIGRTMIRLLENKLFERSIRP
AVLWCYFDEPQNTRRNLRLDVAADFQGDHLRKLTLLEARRRLSIVSVSNPDDEETTIE
CNFPTNHTGNCTVMHGKVTVMHHATSDVSLAVASIFDSTQKAMDYNEIFIALDLDNAAN
ITNIEWLGETEEEEANGGPIIVSDVPIISEVNIDEIEQKENKQSLAYALTIPVLLLI AF
ALLVTKKKTKRKIKTREQVRAIRSFDDVLIGTGDPGSGFHEGMYHYTCQGVRYLSTNCAD
CIETKRNGFFALTDLLETISEKSLEDEDFSTHRKKHFVNASQSALGKKHSSIDVHVCNSA
RCPICTYKPRDVCVFSRSENFALGALREGELEV
>comp4544_c0_seq1; 226 57 560 LEN=615; translated
MASDDVTTGNVFDLKLKSLLELNQAKQEEGRLOALTSRYAQLRAAAARLTASSNAISE
ISPSSEGKEVMIPLTESVYAPGKLRPNKLLVEIGTFYVEKKPSETNEFLNRKLIKIVDA
NSENITKAVQATRQNLDSIAMSMQGMIEIRARQEGQRHRAAAEGSK
>comp4545_c0_seq1; 742 271 2439 LEN=2463; translated
MQKTLNPNALSQQLDKSSWLWTPPGSTRKKYEPHDFPGYGSYDVNISPKSDMEFIDSSF
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HETVMALPCNGGTYNILLNCTSKQTASIAAVFAIIAYITTVVSALEAVAYLQITILPESV
EIDQQAATISLFFFCLLTNLGISESAVVAKTIFVIHVTVLSSLTIMGIIFMI SHSDLLY
ENWQTPYPVSDAAGDILTGLSLFTAMFYGFSSAMLGVSGETSSQFVEEQAPGVFPKTLKN
MWMGVVVFNPLLSLISFAAMPLNDILENKDTVLARMAGIVGRWLQSRRLRISEEHVSI GSM
FSLIISVDAFIVLAAALLTGYVINGLIRRMMDRCLPQFFLISNPWTGTDSFILVGFLL
LCVSVQVILLSDVEALGGVYCYAFLTVMTIFALGNVLLKIKRPSLPREITTSWFQSI LGL
IAVMTALLGNVGLKPELLTYFFVYFLIVGTLVFMFQRVQIVRLLLYKVFKSFHKPQDCDV
EESDSEGTEDESLLSRKLRVSSRINEEEEGMMSGLVPEPPGSGYESCLERIANVKKFQ
DTPFIFFMKHDDLHMANKAVLYIQKNEQTNKIFVHCAFTTEGGLKKNTEGLQEHVKLLD
LLYPRVKISLLVNSNFNATTVQWLSRTLEIPTNAMFISCPDENFSSIKKSQQLQIRIITS
SD
>comp4546_c0_seq1; 490 1 1414 LEN=1825; translated
XVQCPRSRVETNTILRRNYLPNQMSALALPSAFFLLLIGARSVDGFLQEHNRRTGSIWD
GRTTEASGRAGRRCFLEALPVRSEDTDPSSSNPAAGATDRRRALKATGMVAVSLWLGDTL
GPD SIPSKWAASAAEEAASSEGASKTILITGCNSGIGLEAARILARRNPADRLVLACRTQ
AKAEGAARQILAE SPSSNLVAAECDLASLDSIQKFAASLDKQPLDVVCYNAGIALNTKGE
IERTTNGFEKTVGTNHLGHFYLLHLLQPKLNTSTAKVVVTASSVHDPESPGGKQGV PATL
GDLVGFARDGKNFQMV DGNPYNGDKAYKDSKLCNILFCHELQRRLGSD EATKNIVVNAFS
PGLITSSGFFRYQNPV FSSI FNVAASSVFRVAETPEYGGAAALAYMTTVEGTSGKFFDSKP

GTSFKYAADGNDYQGAFGKEFAPVATSTESMDDEKAKRLWALSEKLVGIST
>comp4547_c0_seq1; 472 1 1177 LEN=1292; translated
XTTNFILANQEGSKQLKEINKHTRQNHIMEVDSTGDSTGVVGETRIAVHPLAIVHMSDQ
YTRITSGGSPMDKTDPPVGLLFLGLEDQTTATTGNLNNNSNVHEGPLIQVLDADDIPVEVS
ETSTMQVDLHKAVFPKHKVVGWYRAVASHSDDEEIEPTSEDLGITKLLKNHYTSSDLESF
CFCLLKVQKENKGDCEPDDAAMKTEDATDTLNLKELP INLYELQKFNNNTVLVGLSNW
QLDTSPAERIAVERVMKDQPLDGLESESSQSPSQNPFILETKAIGHSLTSMNDRVEFLVA
YLKDIQEGKTPVDHGILRQIQQIVGCLGPLSTLATCTNEGEEKDLQLLTHLAIIVARTVNS
MQSYTEKFRVMNEHKTASFERQQASTFPSWNF
>comp4549_c0_seq1; 184 1 433 LEN=433; translated
RRLGDSGRQPIPISIHRRDIDSLVPLPNHPDR LHASKQATTKAEQGSPPLEPRIAAASK
GTLSDSKQASAENK GKPRALGSEQIMSDTPSTASSTDPSSDP IVADYTPLHETSAPASS
VNGSGNSHNANANSNSSSNSNSX
>comp4550_c0_seq1; 248 187 1175 LEN=1175; translated
MIASYSMHSNHTVHRPTFICESPRQVYTARNDVGPLSQKQTIPPVAILRNLPIRKEPSLN
DIICARGRGYWDHPGNKMYRQCIDLAKAQYCRAPNRLGKSLIVSEIIDAIHNSGXGIFHG
KENEWVECNENSIREKVTQSLRDGLSFKYSSSITRKREKKARVQEAIFYGDIDVIVHSNKA
VSQKIKDLEKKVEWANRNYGIENDARVSDEAIMKIFDEGNLNILETMKKDRSILDQLHQI
GRKKTSHVHRVSLPLSPPKMGSRSEFSLEFPLPFSTANNNEPGKISPSASVDLEAVTVQ
QHDEYVFD SNGKMDIDLESTSTMFLDNIVH
>comp4552_c0_seq1; 432 312 1451 LEN=1808; translated
MNQEEEEKEEVIEGSVFLPDPSPKPNFGMRASWARDIPMKDDKGKADSNGVPPNMVCISED
PDELFDVTIGFWHSSQPRHMLDIRIHRAADDNADDEGKRDLLKDSVYVLDAYMGGDFSR
FHWYHPKPNLWAMYGTRVNDYLNHFVNGERHSHKKTTRAPFAIAVDVKERWFGFDATHYF
FDEKTHRMTGSTFRLLLRFLRWGYTLGKAQLFKFQPPFFVNNHSQDLTNSDRTEENTLR
FINCQASVSLCALWWMREFDEL SKEPEHDATNTDLICDKLSPLLPFRIRMENYVSVSPL
WKDVSKEESRKQMD EFLHGAAVKRAL SDEFSEENVTKLLVLINNSAGTTAPTQTIEGTE
AGVIGDSSIQQNGRFVCR
>comp4554_c0_seq1; 114 180 848 LEN=984; translated
MCSIIRYLKLLSCLYLASDCLGLSHQDPSISRRAHAFAQTASVAAAGLVTAGASSTKIAG
AASPDLKFQTSQSGIQWADARVGTGQPLKPGATATIDYVMSTTGARYGTKIYSTTDVDRP
YRWNLGDGSTIAGIEQA ILGDGESLTPMRPGGIRRIVIPQSLGYAKLAADSRTL CVENGA
PGPIPPPKEAFEEYQRFKNIYCNERQYQPDIVMDVKLYGQR
>comp4555_c0_seq1; 519 392 1831 LEN=2283; translated
MDQSAGTVDFDDDEWDGTSPFWVHCVAGSMAGVAEHILVYPLDTRTHIQVCAACHFN
PATHNASTQAATVA AHKHAPGNAGTP SARHLP PPGSVLQAAA SATSSSKSSIAQAVCKTK
AANLTASPR TGGMHHLGGSGSPGTYNLSILQAIRQLVSQRAAVSQTGSA AALEATATTT
ASPPGVPAFAPRDVTRLWRGVQ TILVGCIPAHALYFSTYEIVKASTL DDKDGNVTAYGSAL
AGGAAVFGHDLVLGLPLDTVKQRLQLGHYNGLT DALTQMIRTEGAVSLLRSFPVTLATNIP
YGMIMVGTNEFLKDQWTRIKVANDGGSDGNSDENYHIDHSELTMGVTLGASSLAGLVAA
ATTTPLDR IKTYLQ TQQLAPKCLLQNNHSSASSPEHCPLNNGSGGSGPSAGSTNPKAPRF
KPIVADWRQAALRIYQOEGYAGFFRGTVPRI LSHTPAVAISWTTYETFKRYLKQH FVEE
>comp4556_c0_seq1; 311 197 1204 LEN=1235; translated
MNSTNPSPHHQLPKSHSYFDEWFNIPSKNSSSSSIHPITSLIQCLDPKAHINEYWEQLTRP
DGRLF TQGRTTQAVYGM LKHSAGSALVSQNESGGHISGTKILAATTFNIGQPSPEQPDEG
EVVVQVSGTGGRN VAGDSKSQQHYWESLQSWLQRTIEQDEMMAKSLNLLTGK SCLQLVIT
VMVLEDNGNVKDTALLACMAAWK DTRL PKVKGDLTEVQGLWLRPHPELPVNINEAVRCA
SNEETPNQVRQRHYRVSLTMGIWVHPRDQTIHLIADPSNLEEPFFEGSITIVVSLANEK
LQVDYTGKVPLTGHIVALAAKLALARAREVTILS
>comp4558_c0_seq1; 1375 141 2186 LEN=2292; translated
MLSSSVLRRSLSSLA AKKATTPGVSIGAFDGIARRFKSDDAGDVIGIDL GTTNSCVSIME
GRTARVIENSEGARTTPSVVAFVHGEAGAEERLVGMAAKRQAVTNPENTMYAVKRLIGR
GYNDKEVNTIQGLVPYKIVKSDHNDDAWVADTQGTKYSPSQIGSMVLGKMKETAEGFLGR
TVSKAVVTVPAYFNDSQRQATKDAGKIAGLDVLRINEPTAASLAYGMDKADGKTIAVFD
LGGGTFDVSVLEIQGGVFVVKATNGDTMLGGEDFDEELLSHLLKEFQKDSGIDLADNLA
MQRLREAAEKAKRELDGLAQTDVSLPFI TADATGPKHMNAKISR AQFENMVQPLVDRSIG
PCKSCMKDADVDKDDIHEIILVGGMTRMPKVQETVEDYFGKAPSRGVNPDEVVAMGAAIQ
GGVLKGDVKDILLLDVTPLSLGIETLGGVMTKLI PRNTTIP TKKQQT FSTAADNQPQVQI
KVMQGEREMAADNKSLGEFDLVGIPPAPRGVPQIEVSFDIDADGILNVS AKDKGTGKEQN
IIIKSSGGLSEDDIEQMVRDAESNAEADAKKRQLIESKNEIDSLIYSTEKSVADNGDKLD

AETKTEVEKAI AEAKEVKDGEDLELINSKKEALNQASMKIGQAMYANKGEGEGAEDKKED
ENTQDAEFTEKKEEKDDEKK

>comp4558_c0_seq2; 1375 242 2287 LEN=2393; translated
MLSSSVLRRSLSSLAAKKATTPGVSIGAFDGIARRFKSDDAGDVIGIDLGTTNSCVSIME
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GYNDKEVNTIQGLVPYKIVKSDHNDADWVADTQGTKYSPSQIGSMVLGKMKETAEGFLGR
TVSKAVVTVPAYFNDSQRQATKDAGKIAGLDVLRINEPTAASLAYGMDKADGKTIAVFD
LGGTFDVSLEIQGGVFVKATNGDTMLGGEDFDEELLSHLLKEFQKDSGIDLAGDNLA
MQRLREAAEKAKRELDGLAQTDVSLPFITADATGPKHMNAKISRAQFENMVQPLVDRSIG
PCKSCMKDADVDKDDIHEIILVGGMTRMPKVQETVEDYFGKAPSRGVNPDEVVAMGAAIQ
GGVLKGDVKDILLLDVTPSLGIEITLGGVMTKLI PRNTTIPTKKQQTFFSTAADNQPVQVI
KVMQGEREMAADNKS LGFIDLVGIPAPRGPVQIEVSFDIDADGILNVS AKDKGTGKEQN
IIKSSGGLSEDDIEQMVRDAESNAEADAKKRQLIESKNEIDSLIYSTEKSVADNGDKLD
AETKTEVEKAI AEAKEVKDGEDLELINSKKEALNQASMKIGQAMYANKGEGEGAEDKKED
ENTQDAEFTEKKEEKDDEKK

>comp4559_c0_seq1; 524 1 1231 LEN=1231; translated
ELTNDHIRGMLRSTDDIVRPMVHPASIWDEEGTGKDYRALVLDRIAEQRGASRKRKKGVA
FRDVPGPASSGGVPSLTRPFLADASESGGPGLHPVLQRLWEDNYWRANERPCPYRRLDPG
GDGNDNDKDDKVVDVEHVRRGTAASDDESTVGGRSELGVGAEKDDDDARSRLSTGQEMP
RDDEMDFPVANDEEDEDDEMDAPVPDFGDDEEDPTNLAAGGDEEDLLDLGMVNDMVLDS
DEDDRQDDGEDDEDREAIGDAASSSTKWHKHTVRVFRHLRKCLRDPNADTDEDGGIANEG
LPDSVGFADLTKNVVSRRNASSVFFEMQLKTDWDFIELEQERAYGDI AISAGLRFGEDAP
EHWRTKRKRKRNESKRKAWKVGHVFRKQRCQNKNYNDSNSNSD D NAFDRG

>comp4560_c0_seq1; 322 153 1546 LEN=1601; translated
MFGSVTCGALEPFLSVDGVDEIFNGVEKKKKKVRVLRWSSNDGDRDRDCSDSDCDWA
IVVATSEFDSKTYHVHRSVLGAGPRKSVFFSKLFRKGNKAGSNSTRIQLDEQDAESFPLF
LDFVYGAAPGADESNSKSLKLNVEDFGAPNAVSLRHLAKVFDCEGLTLAVNTFIQKDL
LRTGPVYLVEAHHYEDNRLIESSKRLCIENFALLDTRAIVGLPPELQSVMSGVIRRAKS
AHESTPEEENALGYHVGEVVCQYFEKNPHEL SAPLLELTDEEVIKEIAPEPAIGITALI
RDLDAKEIRPNSGEWRGVVGLSQR CARAIVREYGWKDFNVKSALEEYLYGPCADGSSST
KLDSL FATSFAATLEGAQNETRTPFKKQGVRLQQONDELQRQNQKLKEEVDQYKSMAAS
TKEEYLLKXASEESKAAKFLIRQTLLHRMRALSTTSSRRGG

>comp4561_c0_seq1; 527 314 2215 LEN=2532; translated
MKVLSIFWGVHIVVVAVLFELGPPFFVVEAAKDTEQNPNSRSSSSSSATMKESSPSRL
RRTTQVLQVAIEESDRKKQQQLKEISSNNHYDNGKIVHNKPGSNSDERRETSRHLQAS
KITAMNHYQAVKEENVLMNVNEMVRMFERDDRGDRGYYSMSMEPAKRPTQKPTRQPTYR
PTNRPTNRPTNRPTNPEAPYFENISRPPTRSPTRPTRPPTRPPTGSPTRSPTRSPIQVDPN
PIPTPVVAPVVPVNFVPTPNGDTICGELTPQERETLILGQLATYSGGDVTSPTGTPQNE
AFRWLIEKDSAMVCPEDFLNVQQR YILAVLYFSTDGNWFWNCNALSSPDLRQCPGGDSQR
FLSSSDVCFWYGISCNRLRVSGISIDENNLRGDLPDELGFMEQIEDIDFDGEIEEGLNFL
SGTIPSTFGLLEKLVTLDLDSNQLTGPIPEEIFEAKRLTIMDLSNELTGTLSPNFANLE
ELQILFLDNNGFNGSIPSEMGAMQRLRFLRLDRNELTGSIPDDWVAMQNL RVMFLNNNGG
ITGTIPEFLGEFVDMQQLSLFDTSISGTVPSSLGQLTGLVNLFLHFTDLTGTMPQEICNL
RTTGALNFLTADCA G TIRNSSVPSPIVVPFVFR

>comp4562_c0_seq1; 1066 332 2344 LEN=2742; translated
MFHNGGGGAGRSPVYQIDFTAVASGKRIASSKRRVRWRFGFANADALAAGQTGTDCRGE
EHDVTIVWSITSGKRLVLM DGKETHFSSSRNNLFEFSWTMKGNHVLKIAAHAQPPMSAAP
GFRQYDFVVDGQSFFTFPKVFRGLAPNDPRGAGGSSSGRRRDASNYGNRSNNGYDNYGG
RGGDMVPYANGAGGGDVRSMNSNNIASIEAPHNPEEEDAYLRQAIENSLKEGSPNRRP
APAPAPAADNLLDFMTPAAPAPVAALPPSTSQYPGDYMGAPTPQQQPAYAALPPSNTAP
AGPPTQQQQQMVPTGASSDPWGMASMANSLPSTQGAVAPAPNPY G APAPRPPQPAQQP
PAAAVPGQQQYGF AAAPPPFGSPPTSISATPKETPV TQASSLGFASPLAQPFPPKEQP
QLQPQLQLGVEQEEQPIPEQEPVVEPAPAPAPPSPALLSMNVLSGQPGPLVTEAMTNGT
AGQAAGSMADQAYAKLVNLDADFVLDVQDKSADSRQNPFD MAGTTSTANANLSLADMKTKK
PSEPKKSVMNSPAPAPGALVLSGNQQGNFGGYGGMGTMGQPPATGMMGQQQPPPLQQPG
YGGMQQPQM QGYQPLPLQQQQYGMQAPAPPMQQQYGMQPPQAQY GQQQPTQQQQAYGQP
PPLQQQPYGF

>comp4563_c0_seq1; 944 502 3018 LEN=3234; minus strand; translated
MAWTMIRRSRQWFP SRNQMRRTGTNHHQQR AHKHATTSPGLWTS AAPS AAGSSSARTFL
DSRQHRHRSWGMHAAHKPSHDGGDHYSSSVSRKNRRRPRRLSSSLAATTSASSSSSRLYR

YRDFLEKGEHDRVLSYLTIDIEGDKFYLDYVDNSKILTWIPSDDDAEPNGNDTEQSPFS
LSYYSCKEYPPARFPYNNRMDVDSNSMLVFGGDLWDKGGFDLYVTRQLMDLKRRYPDRV
VWVLGNRDINKLRMMQELGLPPAESSTDKSNTGAAAASNLVPHYHPGLTWFRGSGRVGDP
SGPLPSMVPGDRLRWILGNTMGSPDAMEHRRQELAWAEGGCRETGGTSAASSAEGISDCD
VVRSYQESCHPRGEMGRFLAEGLLAAKVGPIFLVHGSLPLTKDTMERGLRDGGDGSNIWD
DLTFCMPWINKTHEEYSEDHRFESASDLGVETIEDWLDVNRVFNRFASRNVEAWERDIARLER
EAGQQATNATHNASDGVVEEESKDSIWAYRAGYGNPSSHSGIYYSDLVQYGMGMIPGGKKN
PTVVYNSFTPEGMPFFLPPPEESGGTNGDCEEALGTEHASERDSGNNPSSSESDVAICTR
QFFERSSMRLILTGHKPKQGDMPSPIRVDRSSWVICADTSYSGDTKWFHDERNATNPSKME
RRKRQEEEQHEKRKRSNLGRGNSISFRGETAVSEVLVELSGKDLSPESVSYHGVLSDGTE
YESVNLDDGEDESGAVSADDAGSNSNGSGSCGSLDSMPATAAILGRVAPTNMVPDPLNS
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>comp4563_c0_seq2; 944 425 2941 LEN=3157; minus strand; translated
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DSRQHRHRSWGMHAAHKPSHDGGDHYSSSVSRKNRRRPRRLSSSLAATTSASSSSSRLYR
YRDFLEKGEHDRVLSYLTIDIEGDKFYLDYVDNSKILTWIPSDDDAEPNGNDTEQSPFS
LSYYSCKEYPPARFPYNNRMDVDSNSMLVFGGDLWDKGGFDLYVTRQLMDLKRRYPDRV
VWVLGNRDINKLRMMQELGLPPAESSTDKSNTGAAAASNLVPHYHPGLTWFRGSGRVGDP
SGPLPSMVPGDRLRWILGNTMGSPDAMEHRRQELAWAEGGCRETGGTSAASSAEGISDCD
VVRSYQESCHPRGEMGRFLAEGLLAAKVGPIFLVHGSLPLTKDTMERGLRDGGDGSNIWD
DLTFCMPWINKTHEEYSEDHRFESASDLGVETIEDWLDVNRVFNRFASRNVEAWERDIARLER
EAGQQATNATHNASDGVVEEESKDSIWAYRAGYGNPSSHSGIYYSDLVQYGMGMIPGGKKN
PTVVYNSFTPEGMPFFLPPPEESGGTNGDCEEALGTEHASERDSGNNPSSSESDVAICTR
QFFERSSMRLILTGHKPKQGDMPSPIRVDRSSWVICADTSYSGDTKWFHDERNATNPSKME
RRKRQEEEQHEKRKRSNLGRGNSISFRGETAVSEVLVELSGKDLSPESVSYHGVLSDGTE
YESVNLDDGEDESGAVSADDAGSNSNGSGSCGSLDSMPATAAILGRVAPTNMVPDPLNS
PHEGRWWTGICRDGSHLYYAGEGYNVWNYIVSPSIDGNRSNTKYIDNTASESDAKK
>comp4566_c0_seq1; 196 781 1452 LEN=1642; translated
MPSVGLYFGIYSFCKKTFQHSDDPDNYEQRRALYIGLSAAIGNTIASASRVPEYVVKQKLQ
TKAYASFGEAMRDLSYRTLFPKGSIASQTLRDVPIAIVTLLTYEHLKSVWKTRAQNRFPK
VPVRSWDLVGGLSGGLGSYVTNPMDVVKTRLQTDSQLYNGSIRTCAMMTLEEGGPAFL
RGSIPRLLHKVPANSFFFLFYEFFRSILRVQDDANFSMAKDEK
>comp4566_c0_seq2; 250 246 1334 LEN=1524; translated
MVQLTVLVIAIATLLSTPVVSSKSPPLLPQNTTHRRGQIASSSRNSDTIRYASSVTSSR
KSQEAPWVSGFKNLSASGLAAGCSKLLLPFDTIKTLQQAASVSGTTSLSVQAAQKILS
RPGKGFLEFYAGVGVAVIGSMPSVGLYFGIYSFCKKTFQHSDDPDNYEQRRALYIGLSAAIG
NTIASASRVPEYVVKQKLQTKAYASFGEAMRDLSYRTLFPKGSIASQTLRDVPIAIVTLL
TYEHLKSVWKTRAQNRFPKVPVRSWDLVGGLSGGLGSYVTNPMDVVKTRLQTDSQLYNG
SIRTCAMMTLEEGGPAFLRGSIPRLLHKVPANSFFFLFYEFFRSILRVQDDANFSMAK
EK
>comp4569_c0_seq1; 266 38 544 LEN=756; translated
MNTINFKVTTPPLGENTITSETTVFVFKFKGNKGPNDVVCVFGSGTGLQPDIKSFYAGG
TNCQAKNGCGVHVHSGLSCKNTEQGGHWYNKDVLSDVPWAITGYEITSAAGTADFASCV
YTGFVDVATNPDLLEGHAFIVHNEDGSRASCGI IKKGGKHNKSTKTRL
>comp4570_c0_seq1; 224 91 525 LEN=691; translated
MTSDSKQVRFGDLTITEYPIILGDNPSCSGAPITIDWKPMGSYTRNLELYEYTRMQRRHG
RKKLVIPVQKRSQMLLDAGYTEEQI IKRALEVAQIKTQRAETLNEPKQNGFDKFSSSLVK
SFSKLLKIDKSGNPKPTTVAARSA
>comp4571_c0_seq1; 195 322 1225 LEN=1225; translated
MDQKHSRQQILWLLIMATVTCCLSSVVTAFAPPPHYCSKRTNSNSLRHFPPTKQKTAQ
AVTAARIAPALHVKKQSTADFEYQELQIQLDAMKKQNVKPSQLDPSKRAELRSYVEEILS
RRLPNMKTVDSSVPLPLRLRSALPGTKWRMAFTTQSLMAEALPKDATITMDFASGSGSAA
TGSNRVDYGLDFFKTLALKRLVARSTYSVMEPRTDGILGSAIVQITYDKIVTDVDMGFNSL
GIGMFGMLKGRNTYIQTVFFDNKLWIESGVDPANGETYYNVYTREDKSDSAGNDDDDDD
DX
>comp4572_c0_seq1; 872 139 2772 LEN=3074; translated
MLSSSLGNWEELRRNESANILRRERDQVLDVLQNYINEEDEGPAKNIAFCHLVSLMPFNA
IQNQTSBGYNDFAYEASVAIAMAI SHLNEGNLILVKEVEGLNERCNIRFTAEIFDTQLDP
GITMNRILELTDTSGRHPSAFLGAFRSVAVSGPSSIIITGLQGYPIISGASTSALLDDKNQ
YPKFARTIPSDDGVATSIIQYFSTFLGLEHLAVININDSYGNSFVRGLKVAAAKHAPNMK

IAQIPIEENDESIAKQAIIESLKQTNRYRFVFCITFKPWFDVIMEEAARMEAAGDGKYNWMP
DSFSGALSHRKFERSLLQKAYQGTGMLTSSAKSGSKFQSFSSMQALKNEEDFQYLKTL
IPRFDQTPFFELNSTFMHPINIDYTVFFYDAAILLGLAVCEATGDDLRTGNTLYDQIAK
FSSSQVSGTVALDPNTGTREPNSALYTLTNFVERGGIDEENGMDMVEFETITTDQYSNG
TWSSILNYTFNDGTSNRPLGIPSPSTDKNLIESSIRSVMCTLCALTMLLSIGFALWTWYF
RKTKVVRASQPPFLLLLICLGSFIMGSTIISLQFDHKIADLDGNNIACNAVAWQAFIGFGI
VFSSIVCKTHRINIVMRNALRFSRITVTVEDTIKPVLLLTSLNILLLSLMTALNPITYET
QIVEADEFDQPLETYSYCSWNNSLRVYIPLAVVNLISVIVAIVEVVKARQIATEFSESQY
IFRALIYMVVVFFIGGPIIFIASDNPALAFVSSGIIFVATCGILLLMFIPKIIYQRKRY
LMKKKGTKNKRYSFSLGPSLTDNALESYYNTGGKILTKTKQKELSEEVKMLKRLKE
ARGTKKNESERTPCDQFQVVEGENSGDDIVEDIEDI

>comp4573_c0_seq1; 203 437 1168 LEN=1751; translated
MSRATSTPGGKPLYKIIVMLGDSGVGKTSVLRPLTNPDRPLNHDISATMGIEFDTQMLDT
PQGVKAQIWDTAGQERFARVLLPTYFRKAKGVILVYDITNAKSFESLSERWMAQLNDHS
NADDLAKLLVGNKSDLESSREVTSEKASAFQCQEYGMFELETSAKSGDNVLQAFEKLGIV
HDRALNASKAKGGVGGAGVGGNGSGAPKASDSGKSDAAGDGTVKLEDSGAAGGADANA
CGC

>comp4574_c0_seq1; 250 992 1894 LEN=2479; translated
MANKKRKNAQKKATVASSGRSSRQSSKPGSDCGKGERSSHHTQQRSFQSFPLHLVPNNE
YAGKDNARELRELCRGRVWVPSFFSHKECRAWVDFCESFGNAGNGFQYTAHPASKYIT
NRECYRMQQENASELSDRIFQRLKGMTITPNKNCNGKGDANSSKPKETNACPTILSRIQ
NDTADLYPPPXSYPGPIGCNPNLRVYRYDEGHAFGRHVDETNVCGGATEMTMLVYLSACR
GGATRFHIGSGRRSSFLAFEPVEGALLLHVHGKHCLEHEADAVLAGQKYVLRDLDVYGRR

>comp4575_c0_seq1; 450 1 1582 LEN=1794; translated
XFLAAMFRMIFVCVAYEQIEGHALAFVLFQVLLNVAITNAMYIWLGTQEYTRVTLPLCI
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LIWMTFNAILPFYFAYVRAENEDPFIIEIDAPKHIYRSRDDGGHNLGDANGEDEPQNGDS
GPATETTGLLTGGSDQPPDEETPDEAPAPPVAPTGPRIIQGQENLDSIKGSEGNDN
LANIFKTEGYTEAEAILVDGGWISDIFLPSGCEPGSKLTVRCNSTWNVKIGNLKGVGSKV
VATKQRLVVVIDGVWTIQEWADEKGFVVKQQLNDRFKGTGGKYFVVVANKRVVYHNA
DLEACKNFLMTKFGHGASRPSRMVVDVSGGKVEDPHSCGGQNGGGMKAGFNKWWQGW
DIRSMNTVAKTFLKTNKVGGPPKNDNLLHFNPKDYKDVELHTYDGSWIRELKLPKANGI
LSGSSLTIKCNSTWGVKVLPGNWQKDVATKTTLALIVKEGKWIVKK

>comp4577_c0_seq1; 193 104 639 LEN=639; translated
METPEKTPEPAPPARTRRAGKRSRGTIAATMAVAAILVVTGGLMALTSPSADGGSSPLAK
VFAQAQCTDPCVPGSEDIMKPKAHGTSEYPVVSVGXTNSATERTSGPAWKRSDAVPPAVF
VATVEPTVTRTLFVSVVAVSCNNSHSHRENRI FVSQELVCCVLLLAFFSTRSNKICV

>comp4577_c0_seq2; 328 104 802 LEN=1100; translated
METPEKTPEPAPPARTRRAGKRSRGTIAATMAVAAILVVTGGLMALTSPSADGGSSPLAK
VFAQAQCTDPCVPGSEDIMKPKAHGTSEYPVQQLRWGVDWDLADRINNFRHYAEYSY
WESTSFLSDVRENIETESGTVTFYDSGWKGSPLFTAPRDRTWADFVDESRNHGWPFRDS
EVDWNYARVLPGGEMVSVDGSHLGHNLPRDKGNRYCINLVS IAGSLPKDDDE

>comp4577_c0_seq3; 128 238 558 LEN=558; minus strand; translated
MFVRRHSVHFSDKGLCGIVLGAIRHRPLEDFRQSKPDLRYGRLPQNKTSGKRISINRNNLF
HERTADANATILTTIQKKNQRNVQHSTKRENTNGSHAVSKLTDIPI

>comp4578_c0_seq1; 287 1 798 LEN=839; translated
MLEAERNLFGNESTEMSKSPIHNDKQWTQPPVRRSCKKFHIMPFKMILNICLLKLLLMST
MMSHVPRGSAFRRARSVNSYGLQHRIRIKNLSMQSPVTRESGDASLLEPAVVSSRVFDTDK
RPIILFDGVCNLCNNAVNLALDWDPNAKLRFSAQSNGKSLLENNGRKADDISSIVLVT
KDGAFFKSDAVLKITTEELTPLSLLPLKPAAMAGRFLLPKLLRDI IYDSVADNRYRLMGM
NECRFDADGEFEDRFVDDIALKKP

>comp4579_c0_seq1; 596 117 1331 LEN=1429; translated
MKFSAAILLSLTLSIEAFSPNASPSRTATVVRSAVDEAVDTKDSKGGGETKDLLIRAA
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LFSIDLTPPGVCEFTIDEKLGPMVDPIKNWDDVKKMHPIDPSAAAPFVAETLQILRKE
VGPETAVALGFVGCPTYLATYMI EGKTSKEYLEIKKMAFNPKLLHTILQNLADSIGDYAL
YQIENGAQLIQIFDSWAGHLSARDYEEFAMPYQKQILDKIKKHHPEIPTVVYIKHSGALL
ERMAGTGADVSLDWTVDMAEGRARVNKGRELAGLSGPGGVQGNLDPGVLLSNHDTIRER
TEEILRKAGPTGHVMNLGHGIEACTPEENAACFIETVRNFRHEE

>comp4580_c0_seq1; 167 1 388 LEN=508; translated

XTNSTFTMVFTVAAATARRRIAVMATRHAAGQKRSMSGGPAPWEWEGIDKVVVRGVFPGDH
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SFEAFLEKA

>comp4581_c0_seq1; 413 76 849 LEN=1317; translated
MFEAQMQDGKIFKAIIEAIKDLVQDCNLDCEEEVAIQSMDSAHVSLVAVRLSAGGFSNY
RCDRPNLSGINTANMSKILKMLGKDDSIITFKAEEDESPDNLTMLEFEGGKTTIADFDLKLMD
IEAEQLGIPDTPYQCTVQMNADDEFQRIVRDLQVLGDTCTISCGKEGIRFSVTGNIGNGNI
LIRSNDEQNEKDRVTITMDEPVLELNFALRYLNFFTKATPLSSSVIISMSPDVPPVVVEYPI
EDFGHIKFYLAPKIEED

>comp4582_c0_seq1; 371 117 1670 LEN=2183; translated
MCINTQVERNPDQMDGTTSLPTLEAEVETTNTTRPSKRMSREEVSACADSDSLCLMIIG
DNVYDCTRWQKYHPGGHLTVRALCGKDADAFNVTHPRWVTERMINKFLYATLEPDDEGT
ISNDSNETSDVTKDARLTISTRPHGVKDDDEATLAFRLLTEKLEEAGLFETDYTFYFRKF
AVYTCLFLLILGGVLLSESLMVHTFSGILLGIWQQQLAFIGHDLGHNAVTHNRVHDSYLG
LFVGNFCTGISIGWVKRSHNVHHIATNSCTYDPDIQHLPVFAIDPVLVTTKLFSTYANIY
MPLSDVTHVLVKFQHFLYYPVMAFARFNLYIQSLNHALRLSYATAGDLIWGQKLQIASM
GGFWAWLLALTFSLPTWESRVLFFLSAHIVAGILHVQITLSHFPMETYTGVTYDDSSNGF
LRTQLATTMIDICPTFMDWFHGGQLQFQVEHLLWPRLPRHNLRRVKGILQSFCKEHLIYH
QATFFKANCMVLDTLKQTAKSTKTFSELFHESANLMG

>comp4583_c0_seq1; 371 51 995 LEN=1115; translated
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DKAVLRALADASRSDPRGVGLLRKAGLAIPVRTSASSPGKTAGSLLVPSCLADFSRPVFR
IIPRDDDDDEEKGDVEEPRPGGEAKQNDVDNDDDDNDET DHGGHRPTGFSETEVSAAEIEF
DIIRNVQDPEHPNSLEQLGVVSLEQIELSLARDRDRGGTTHRNKDEIRIRFTPTIPHCSM
ATLIGLCLRVKLRSLPPARFVGVDSIEPGTHVSEKAIKQQLRDKERVRAALENKHLGAV
VDKCIRNGMEAATD

>comp4583_c0_seq2; 286 51 942 LEN=942; translated
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DKAVLRALADASRSDPRGVGLLRKAGLAIPVRTSASSPGKTAGSLLVPSCLADFSRPVFR
IIPRDDDDDEEKGDVEEPRPGGEAKQNDVDNDDDDNDET DHGGHRPTGFSETEVSAAEIEF
DIIRNVQDPEHPNSLEQLGVVSLEQIELSLARDRDRGGTTHRNKDEIRIRFTPTIPVRNA
MQRNAMQRKNNHRSDTRRGSVGFIDLRCPHQIHQPLVRIEIPCNARNLSWLPAAAPHX

>comp4585_c0_seq1; 289 302 1230 LEN=1230; minus strand; translated
MRVSFCKRWHVPARAAAQGNHGPVAVFHLSCCLGLDWSTELERHVPRRPQGNADAQGP
VPGGGVPIRRATPVGGLGFVSFRLVLRHFSPPQALSQPVALVALVPTAGTSPSGVVTAGW
ASLVPFVAAPAPVVSVCPSGVAHAHQEVGIDPEVVAQALGRQGRQNLVPEADPLFLLRP
AAPGLRVVPGVLVPKHAAAQAPVAALGHKALGVPPGSKFQTLHRCVAGARSASFASVRI
ANEQAPIVLGQEAVLVVRKIGKGVGAGRVEEAHHRFPKNRAGAAFVAGGGVPKIADQV
RQLGVPVPAX

>comp4586_c0_seq1; 722 253 2028 LEN=2212; translated
MEIEEDDQPYWYLLNCVAGLEMDLLRQVKQLAQDLQADVVKFVVPTVTKTRSHGANRMV
RETKVKYQGYVFAKLRLTRETYPYPIRNMDCRSWMGTINMKGKYLPPAPLPLSDEEIES
FDLENPKWEIDEQDKSTGNDSDGIILDTHENDMKEMEEEEAAIEQEVERVYKGLKVEDMIK
VTGRNFKFGEDGIVKRLKEEMVLIIRFFTYGQTFDEWLDPSDVRKLTDDDEVKGLGGPGKP
ITQQDLEGRDRREDKPKQKFDNRNSVGAFFGGPSRERRQDRNERRFGGEMDHKQERENW
SQFKENEKRGRRRGRSYDDGNGVEFRPASEAEGDVDSQWGRRRRSNQQEDDWSFVSQGPS
DYNKKNKSSPKEDTDDFFASLMTDLSKIDIGHSGKSRDQPQESSGSDSDDDFFASLMSE
INDSPSSQKQKSTNGDDDDDDFFASLEREIRGSKSATSKPKRAEKETKPDISSAPTADE
DDFFASLEMELETLGSEKSGSEQSADAAEDDDFFSLESELSTDLSSSETIDAPASAKQ
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>comp4589_c0_seq1; 441 83 1618 LEN=2301; translated
MTSTSRISVVIQLLICTCAVLSAANANNNDENGKNRFERKRIINGNDVTNEMINNRD
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PITPTEFPTSKEPTDMRPTRSPLPGPTLPTRVPIPTKAPINAPSEPFTYNPVEVPTLPNP
PTPAPFSAPTRPCIAADKERNLYQAVSSTDRSVFLNINTPQGMAYSFLLEEEPSFICSP
TLMQRYGLSTFYFATNGDSWTNNLGWLTGVQECNWFVGCNEGLFATSLNLALNANGII
PNEISAVSTLQKVDLFSNSITGKLPNRLSRLSSLVTLDLQDNLLTGDAFPRGITSLERLV
SYRISNNQLTGSISADITSLRRLKELWAGNNMISGSIPSNIGDLRDLKTVYVNNNALTGR
IPSELGLIPLLEGLVMNDNSFFDVIPSQLFNVASLDTIRLDNNFLVGTLPDPSIGQLTDLEI
FRVENNNLSGKIPESIGFMTSLGEYGTSRKF

>comp4589_c0_seq2; 549 83 2083 LEN=2192; translated
MTSTSRISVVIQLLLICTCAVLSAANANNNDENGKNRFERKRINGNGDVTNEMINNRD
DTAREYLESWDFEDKQDQKQVQRRRLAYLESMMDRLLMSMSMPTKSPSSEPPNSKTPTA
PITPTEFPTSKEPTDMRPTSPPLPGPTLPTRVPIPTKAPINAPSEPFTYNPVEVPTLPNP
PTPAPFSAPTRPCIAADKERNLYQAVSSTTDRSVFLNINTPQGMAYSFLLEEEPSFICSP
TLMQRYGLSTFYFATNGDSWTNNLWLTGTVQECNWFVGCNEGLFATSLNLALNNANGII
PNEISAVSTLQKVDLFSNSITGKLPNRLSRLSSLVTLDLQDNLLTGDAFPRGITSLERLV
SYRISNNQLTGSISADITSLRRLKELWAGNNMISGSIPSNIGDLRDLKTVYVNNNALTGR
IPSELGLIPLLEGLVMNDNSFFDVIQSLFNVASLDTIRLDNNFLVGTLPDPSIGQLTDLEI
FRVENNNLSGKIPESIGFMTSLVSLRRLNDFWTGTIPDVFRNYKQLDYFDVSNMMWEESI
PKTIFSIETRLAYMSNCLKGTIPSRFARPPDLRDLYLDGNLLTGTIPPIKDGQLKLLN
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RRKDRN

>comp4590_c0_seq1; 488 134 1498 LEN=1630; translated
MASNAGTKKLISGLTTAIRNRPFVVLGAAGVVGVTGYKQYKAEKRLAEDAKKRVLVLPF
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VFGNGGTISTGGWAHLEEEIRNALETFSKPSSTVDEDESARTNETKKTGKAMHAYSNTFG
GQKSMQEYYLASAFHKIHLQPQGDLLNLYGLHTTNLFIKDFLKKYGITVHVWKHGQVYKMA
NLFTHSYYSKEHLENAEGVLLPIHKHVCNAIYSSRHEQLKKYGYDFDQFWSMVENAGSLP
ANVAHQIGFVDHLLPLKNPLDALLKNNKREMRVRKEGVGGVDTDVEDASSIMTDTTSPPTS
GSDDDSDATEKVDTKREKENTAVAKSGDENSSSAAVGDNWKLGTDSGSFQADSQIFIDAY
SRQRSKLRKKRASSGNLLESLLSAFGIGDEVSK

>comp4590_c0_seq2; 871 134 2497 LEN=2779; translated
MASNAGTKKLISGLTTAIRNRPFVVLGAAGVVGVTGYKQYKAEKRLAEDAKKRVLVLPF
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VFGNGGTISTGGWAHLEEEIRNALETFSKPSSTVDEDESARTNETKKTGKAMHAYSNTFG
GQKSMQEYYLASAFHKIHLQPQGDLLNLYGLHTTNLFIKDFLKKYGITVHVWKHGQVYKMA
NLFTHSYYSKEHLENAEGVLLPIHKHVCNAIYSSRHEQLKKYGYDFDQFWSMVENAGSLP
ANVAHQIGFVDHLLPLKNPLDALLKNNKREMRVRKEGVGGVDTDVEDASSIMTDTTSPPTS
GSDDDSDATEKVDTKREKENTAVAKSGDENSSSAAVGDNWKLGTDSGSFQADSQIFIDAY
SRQRSKLRKKRASSGNLLESLLSAFGIGDEDEKSKEVKEKIAVIKINGAIGEMTARCAEK
ALRKVKEQKDIKCVLVRVDSPPGGSINACESIHQEILDLPQKVIVSFGNVSASGGYIYSS
AERIFALPSTVTGSIQVMMRMNFKDLAKQYGITFDSIPTSDLSGSNDPFYFVNKKMNE
FGNQADRSYHRFKSLVSSGRNMSMKDVEKVAKGRVFTGEQAKKVLVDELGGLDEAIDYA
QQNCTSSGAARVVNWPCKSFQFLSMLGSDEEGANNMDEYDVPDVVHVALSRFVNLNNS
WTPSSRNIELGGIYSIFGNGCFACPSLPVTSVGLTVDENAAIQCMLEDANVLKGGFASH
DGTNNGM

>comp4591_c0_seq1; 248 1 961 LEN=2170; minus strand; translated
XFRDIEREGPSVFSDLYEAYKVRDYKYNMIENVDFNPVQDLRNLVAETAQQAAMSHS
AEESALKSAQNMYETIVQPGSQMEKHLSAFGHATSLQLTEAWKSVKGMKERLDTANFLSE
RRKALMKQVRGNRAMLTRMREMSYAVNSKQMAALMRTITEAHEALESIEAAAKDGFISAA
GKLADNSLFKRQEPRRYARYSSDPILGIASSPLCITLFLLISTESILRTLKRRGFERN
IGPVTYYYHPGSNYASESMNSENIDHNGLPPRDGSKTIPVVFHIGIGVGLIAYIPVIDAL
MESGRPLFLPELPYVSAFRPW

>comp4592_c0_seq1; 1112 256 2664 LEN=2772; translated
MKFSSLAIAVVLAVTTSQLQSTEAFTSVLNPQAHGTSSLLKASTQERDAENFQRRLLATR
LKQNSSGENVRSDGSDDKNDGVLLEDADGLGVAESTASAAQEPAPVEAEDESTAESV
LLNGSVADAEVEKLMSDIEIESEKIVAEIVEEEECQIDEETLGPVDPLCADEEQAAGFRA
GLKNRISNTLQSLRGISKGDKAFDEEEEEEEIDGDMLEEGWFKRGESSALRRNAEYKFA
LKCVRSLKPRSMKKKGASEEIKQAQIDAATFIRDGLLKLGPFTFVKLGQVVSTRVDLPL
KTFTDVLTQLQDDVPPFSGARAKEIIAKELGAPTDEIFTDFSETPLKAASLGQVHTAYK
GKKVAIKVQRAGLKEFLDVLKLNLRKLAVLLDKFDPKSDGADRDWVSIYEEESERLLYLEI
DYLNEADNGERFAKDFKNIDYVRVPEFYRDLSTPRVLTMEFVESLKLTDIEKIESLGLDR
ELLAKRTADAFRLQIVETSYFHCDPHGNLCVDEKGNLVYYDFGMMDELKPNVREGFRKF
CTALFAGGPMVNDATLAKNAKQLIDGVEEAGVLARGSDRLAVEKLARYFMRAFKNQNLGK
SSNIKETLGVLDLQTLTENDSFRFPSTFTFIFRAFASVEGIGKGLDEKYDIGKLAQPFIE
KFTETQKGYENETQKQFSIFQKATGLNTKDIETAVTSPKKVAYIEETLRSMEEGTLKIRV
RSLENEKALERMALTQERTENVLLATMLLNVAAGFASKQLVSGAGYAGFAFFLQAFMANT
KVKKFDKTQAKFVQTKFNNGEE

>comp4594_c0_seq1; 224 113 313 LEN=523; translated

MAGKKKANDAANQAKEGLNALTAGKTDEQKANENRAKDRNAAYEQKKREREERKKKLQSQ
WADNKK

>comp4595_c0_seq1; 234 130 1614 LEN=1803; translated
MTDGSVASDPVYDLVVVGGVGLACLRATLRGWKCALVEGEVDLLSHASGGNSGIVCT
GVDTRPGTLERALIRDSVSEFRTYCQSHNVPMRPGSLVCLFPWDVTSNEKDGADNIAND
PDCTNGETGTHHLFPLEKVLKESHVAGDSGAALFGNGQKVLLEKEKNVSPSLMGAVHIPG
EIVVDSWVYSISLAHALENGAQIYTNFRVTSIKREEIGDQDDGNDRTWKVSRECGNEPS
DVPTVIRGKAILNATGNWSDATEKVAFGSSEWVAKPRRGQYRVYNSNDQTQIIHPLQPI
SQRTKGFVSTLYDQLVVGPTALDQSSKTDRSIDPKVARELDGHIRRVIIPNIDTEKSYV
GDYVGIRPGTNRDYQIHLKPEKRWIAVAGIRSTGLTASLGIGNYVVRLLQSI LRDP
SDA LREDGESQVHDQASSERVIKTPMPKVEKLAEDFVTNGDGCCTIHGLRYRVTHPLTKLGF
KSLMSNKLPSKSCR

>comp4596_c0_seq1; 248 20 793 LEN=1830; translated
MNDGEHVDDGTTVRVSVLPNPPSEFDVNESLSGALMNLELKDRIAIQEEIHGVRGAVDE
TPELLRQSLARFDELLNARKEKDPGNRLRNITRICPSDLATTEAGPAGGNGSSKEPVIK
PKKPCSYLNDPDIRLRFRLRCECFAVEDAVQRMINFLEFTAILFGDYVAERQIELTDFNTK
EEENALQNSRNQYLPFRDRSGRRVLVGVGNCNFHLEYRLRYKILMYLFWVWVSEDVETQRR
GIVI IHLIFDEDEDGVENMW

>comp4596_c0_seq2; 392 20 1660 LEN=1727; translated
MNDGEHVDDGTTVRVSVLPNPPSEFDVNESLSGALMNLELKDRIAIQEEIHGVRGAVDE
TPELLRQSLARFDELLNARKEKDPGNRLRNITRICPSDLATTEAGPAGGNGSSKEPVIK
PKKPCSYLNDPDIRLRFRLRCECFAVEDAVQRMINFLEFTAILFGDYVAERQIELTDFNTK
EEENALQNSRNQYLPFRDRSGRRVLVGVGNCNFHLEYRLRYKILMYLFWVWVSEDVETQRR
GIVI IHLIFDEDEDGVENMWESQLRPGIRKKIRELHKLQNGSLPVREAVIHQCLRNTPFRT
LAAMYVFGDLAHRHSIYQQHFGELELLYRMASFGITPDLIPVSSTGKVKFGAHISWLKV
QRIKLQTKNDS DIVECPRLVDVVFKHGPAYKNNPGNMYFRELI EISLGDHLDGTDKDEKCK
ITMRILKQIEARKGRILEWSKRESTWRVVRNRNVMRKKIAATFKQQHRQRKTTTQMKKTI
ENALYIAADNETSREQANPKRYDSDQLYHERKRVRTGCFDCDGAEDPDFSCFGRSFHP
TWGGND

>comp4598_c0_seq1; 222 1 1236 LEN=1283; translated
XNTTRTKQNETTVEVVCDFPELRLMTLACGLLREYNLEDRLSSSGSVTFFAPTDEAFARLG
DEHPDVFDTVLPGVDESILLYHLANGGFSLSDLECTGLVPTLLEGRSSRTKCVGDDRFQR
GPGNGTGGSAGEGLPRI IDPDL PACGSLVHVVDHVLLPRLPAAATATGNEPPVGGGTEE
RATGGPTVEPTAXGIARADAASNIADPEAKHGANGCRTNPGADHPAHHNAKHGENRGAY
LAADLGANNH SKNLGANNHATNLGAEHSRRCGTTGTRGPPVAGNGHSGSRGPRRRHPVPN
AGVDLVRDVGSHHDPFPDVLGDVGS SHIHPLPDVVRVGRGLRHRRSAAFRAIDRCIPLFRVF
FSVDSV VAPLTL CQRLLRSVLWGKCGSSFGRENVVIDN NISSTTTAFFGMNQ

>comp4599_c0_seq1; 265 127 660 LEN=1465; translated
MPRKFGLKVDLNLKENHEGYIALSKCPPIVGQS QLQKAAHLSLNPSSAPS KN TAALVAKR
KQKAMAIAMKPGSQVAMNAFMMYMSGSNLNI FTINTVSSAILTPITSLFMIERTFGPLDV
DAQMAKSIYVAINLAWLGIGLYKMSAMRLLP TTSADFADAI VWKDMMETSSIPSII S

>comp4600_c0_seq1; 468 170 1372 LEN=1481; translated
MKRVVSAPQLHPRFGTQSFQMRVEKINDLGPLLEHKEYGTESPQAVRTPSNESDKYGT
TDEDEDYGFYDAIDGNQEDSERSTTSSLQDEIQNSTPSAEIASGRPSRRRSSGKKSSLKQ
RSSYGEDFIPLDFERKEFNRLPKPDL SQRTRVPEGASTEKANGMIRSSSSGLFRVVSEP
ILFRPIYQE QFDIDDLSSNNEGRL ENSDASNSDGNALD NSDSSFVEGAMKKRISFGT
IQ IREHSVTIGDNPSCSYGAPIQLDWKHEDMEDLKVEDYEAYRPKTRTKDKLYLSHF
KRM DL LKQSGHSTSEIKESRRKTKKHRNQREWTKFVVMNYPTVSTMEDAIESGIRKMKR
SLSKSS LGSKEDI PRVSSKDDMN VIRDKALLLDMIDNDG SNATAPF

>comp4601_c0_seq1; 217 111 743 LEN=762; translated
MTSIVELFPKCRKLAYDSRQQLAQVQNGTLHASELFI SLDEL SRQLELMNKLV MRERPAQ
REVWKRKIHEL RVEADGVRRAGEHYDRLVNTNVRQQKERDEL LTRRRQRKENFSSV
SERD MNNLADESKSWSQSQYMVNDLIANGEASLSALVEQRQRMTGVS RFLGQIDDR
LGISNSTM KIIERRDITDAYFVLGGCVITCIVIIYFTWL

>comp4603_c0_seq1; 190 269 1231 LEN=1231; minus strand; translated
MLSNI VFAVLACFV LNASATHAFVATAGRSNKTRRGRLLGGPQRRPPAETATSLSDMKR
PVLDRVASFLFRLENDRVES SVVDDKGRKGEPMWSESDSLANRFS AI VATNGLGYRFK
QFVADIVAGDDYDVEEVNRI DAFISEHPVAMFSFTTC PF CRRAKDLLDEKGIPIYGVIEL
DELDGNAGNEXTGKPREKDRQNLGAVDLYRGKLRGLQRRAGAPAPRGIRRS GPDAAGGF
IGAHGSIGGLPTELRTVRIDAWYVLHTMLNAQTHGSAAA WDCRVASST DATV RPKQLGHR

SPQLRHSRVSESSNTVPSKSNX

>comp4604_c0_seq1; 577 134 1834 LEN=1870; translated
MSNPNASAASGLFIQGSRESGEDVRVGNVTAVVALANIMKSSLGPVGLDKMLVDDIGDVT
ITNDGATILEQLEVEHPAARLLVLDLARLQDKEVGDGTTSSVLLSAELLKRGLGDLVQKQG
LHPTTILAGYRTALKAAIAYIKESILTPISSLDSKHLLEAAKTSMSKIIIGKEGNFFAEL
AVDAVKSVAHTKEVSGKNGIRKKKTIYPLSAIHILKVHGKSSLESYLMKGGFVLNATRAS
QGMPTFLGDPDETSEVKIALIDMNLQRHRMAMGVNIQIKDPKEIERIKQRELDLTKKEI
QKILDTGAKVVLTTKGIDDTCMKYFVEAGVYCARRCPKEDLKRLAKATGGQVVITMADME
GDESFDDESALGKCRAIQETRVGDGELLKIFGCSGSGASTIVLRGANEYLLDEIDRSLHDS
LCVIKRMLESNSLVPGGGAVETALNVYLQEYALKTLDTREQLAVEAFADALLVIPKTLAV
NAAKDGAELVSKLKSIIHKSQRPCENDDLKKNYGLDLVNGEIRDSLAAGVVEPAISKIKS
LRFATEAAITILRIDDRIQINPTEQQ

>comp4606_c0_seq1; 836 127 1949 LEN=1949; translated
MNFIKDLSIDKIQNLAEDAFNQAKPKTDVEARVYECLSHKNWGASGSLMNEIARDTYDME
RFQVVTNLMWDGMENQRPAAWKIVFKALNLLDHLVKNGAERCVDARNHGHIILRSLGQFN
YYEGTIDRGLGVREKSKQILEMLSDDERVREERQKARKLREKFGKFNKGASGIGGGGGSS
GGSGYGNQDSWNTSSGGDGGYGEGGIYDNEKAYSGRYGNSSSTAAPTFASSIPGKSKKSKK
KKKKQQAAPAPAPEPVGDLGLGFDDAPAPAADTGGSSDFGAFQAPSAPAPAPAAATNASDDF
AAFQDQIRSKNAQQGPDFAAAPVQQFDFANNNNSGVGNNTMNNNMMNNMNSNMNN
NNNNMAAMGNFNNLSVNTGAPTGGVQQPSASPSNDDDFGDFADSKLSPSLSKPVTKSSD
PMAGLINLDSLTKNASKKMSMNSPVAVEAAAAQYQRDMQNGVQGMQALMQGAPGVVSVSA
GGSDAIISSMMGPVPTQPQRGSNFSMSTQAGDGNPQMHHQQNFNQGMQNGMVGGMNSQM
QGGMMYGNQMGMQGGMNNTNMNQMGMMNQMGQQQQMNPQMMGSMGMQGGMNQMGMQ
GMNQMGGX

>comp4607_c0_seq1; 242 163 696 LEN=1634; translated
MSSFGSWYDEQKAAENGGASNSNWFSIDTDEVLPLFNAENLQGFSEFNKQTMEGQMPKK
ILGMGYQQRFKVFALLFLSGLFFALAFFVGVPMALALPKQKFALESFTCGSITFMGSFGIM
KGPYEHLSMCTMERMPFTIYILGSMMTTLYLTCTKGGMKGYALVLISGVLVSLW

>comp4608_c0_seq1; 209 1 1128 LEN=1349; translated
XGLLYGTVWHVRHPKPRTARSFHAASSTMLSNIVFAVLACFVLNASATHAFVATAGRSNK
TRRGRLLGGPQRRPPAETATSLSDMKRPVLDVASFLFRLENDRVESSSVDDKGRKGE
MEWSESDSLANRFSIAIVATNGLGYRFKQFVADIVAGDDYDVEEVNRRIDAFISEHPVAMF
SFTTCPCFRRAKDLLEDEKGIPIYGVIELDELGNAGNEXTGKPREKDRQNLGAVDLYRGL
HRGLQRRAGAPAPRGIRRSRGPDAAGGFIGAHGSIIGLPTELRTVTRIDAWYVLTMLNAQT
HGSAAAWDCRVASSTDATVRPKQLGHRSPQLRHSRVSESSNTVPSKSNVPIFVRSTRQY
EGKQDSCRKNNKHACL

>comp4609_c0_seq1; 287 57 422 LEN=813; translated
MTKSSFLGGALSFKGDKKKSKKSKKSKVKKHLKDEEATAKISRETEIPHHNRDDVLLSD
DEDELTDAEKKALKFKKERQQEENKIIAAQSHRERVEALNEKLGNMTELNDIPRVSAAGN
G

>comp4610_c0_seq1; 942 27 2111 LEN=3001; translated
MSAATSNPAEAVPTPAPMTGAAPVPGQAGPGGDEGPAPFHSASLYVGLVDPDANEGLLFE
IFNAVGPVASIRVCRDAVTRRSLGYAYVNYHQMSDAERALDTMNFSMIKGKPCRIMWSQR
DPSLRRSGVGNIFVKNLHESIDNKQLYDTFSLFGNILSCKVVTDRGTGLSKGYGYIHYET
AEAADAAIDKLDGMLIDGQEVQVGHFIGNNRPNQDDF'TNCYVKNIPLDWDDDRLNKEFS
KFGTVVSAAVSRGIRRRKKKPFKKEETKAKESDEEKEVEKKDEAKEESKEEEGEKKIESLG
FGFVNFMDHDSAVAAVEGLNGKTHKFMQDGEEVERDLYVGRAQKKSEREREMRAKFEAK
MDRISKFQGVNLYVKNLDDTVTDDMLRDEFVIGTITSARIMKDMGKEGRSRGFGFVCF
TPEEATRAVNEMNGKLI VNKPIFVALAQRREVRRAQLEAQHASRGPPPPAGQAGMMRGPM
GGPIGYPGMPAMYMGRTGPGGGMQPAYPMAMPQMMGPGGRGGQRPAYPMMGQPGGRGAY
PMPYGGVMPGRGGRGPMQPNPRGGRGRRGGAMQGRGPQGNQQIKFNQQARNAGSVPTGP
AQPPVQAAQQMPPEAGLPTASALASASPEMQKNMIGERLYPLIHQSQPDLAGKITGMLLE
MDNSELLHLLLESPEALKAKIDEAIVLEAHQSSE

>comp4611_c0_seq1; 298 1 530 LEN=769; translated
XFEQTNEIPNKIGMKSTTTKRQLSSSTPNTTTMSFRHESKTMKTLNLLRGEQQPYEVT
TNSEDEDDSTDQSNRDEEFKTFHGIQSQNDHDHSDLYRPLTPEEADQDLAEFFTAL
DFDISFGALPLTQVQCETDATIRNYSKTLLEQHTSKRRRLLSPRIHVKRKAMMEET

>comp4612_c0_seq1; 306 296 1313 LEN=1467; translated
MTILRVASWNLQAQDYVKEYKYPWTRKTPGCLEWDHRKSLIVDKLLDKKAQMDIVCLQEA
QMSDFSDDLKDVSPVFDGVIQNVTRGHNVGGAPWPELTSFLKQYFTQRIFSRSLGRLL

LGTAVLIRNSCKLKLKRVESRSRALIATLEDKDTENNLYICSVHLDADKSTDPKKREHHQ
SQRRSQLKSLLKRINYACKQEKQIIEAPILIAGDFNMLRENPLNELLVEGSLTTSPSAY
VSLRDAYLEAERHDFRSIPVYHQSVLEGGNDIGETASNEKHLVKTYKGGAILDYIWTSDE
VKVVDTLLYHPDSSTVGTEKWPCHDHPDHLPIGIDIDW

>comp4612_c0_seq2; 249 671 1426 LEN=1580; translated
MLVSAPWPELTSFLKQYFTQRI FSPSRYLGRLLLGTAVLIRNSCKLKLKRVESRSRALIA
TLEDKDTENNLYICSVHLDADKSTDPKKREHHQSQRSQLKSLLKRINYACKQEKQIIE
APILIAGDFNMLRENPLNELLVEGSLTTSPSAYVSLRDAYLEAERHDFRSIPVYHQSVLE
GGNDIGETASNEKHLVKTYKGGAILDYIWTSDEVKVVDTLLYHPDSSTVGTEKWPCHDHP
SDHLPIGIDIDW

>comp4612_c0_seq3; 359 296 1216 LEN=1370; translated
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QMSDFSLLKDVSPVFDGVIQNVTRGHNVGTAVLIRNSCKLKLKRVESRSRALIATLEDK
DTENNLYICSVHLDADKSTDPKKREHHQSQRSQLKSLLKRINYACKQEKQIIEAPILI
AGDFNMLRENPLNELLVEGSLTTSPSAYVSLRDAYLEAERHDFRSIPVYHQSVLEGGNDI
GETASNEKHLVKTYKGGAILDYIWTSDEVKVVDTLLYHPDSSTVGTEKWPCHDHPDHLPI
GIDIDW

>comp4612_c0_seq4; 327 212 1329 LEN=1483; translated
MSKAKLSVGWGCKLYVIAVIXPALYLQYDNTSSGQLGKVFVFRSTTRTKSVLNRFYTD
AFVPNGCLVSQHKNKLLQAQDYVKEYKYPWTRKTPGCLEWDHRKSLIVDKLLDKKAQMDI
VCLQEAQMSDFSLLKDVSPVFDGVIQNVTRGHNVGTAVLIRNSCKLKLKRVESRSRALI
ATLEDKDTENNLYICSVHLDADKSTDPKKREHHQSQRSQLKSLLKRINYACKQEKQIIE
EAPILIAGDFNMLRENPLNELLVEGSLTTSPSAYVSLRDAYLEAERHDFRSIPVYHQSVL
EGGNDIGETASNEKHLVKTYKGGAILDYIWTSDEVKVVDTLLYHPDSSTVGTEKWPCHD
PSDHLPIGIDIDW

>comp4615_c0_seq1; 244 37 1059 LEN=1270; translated
MIAWNISIALLLISLESATAFVAYTDAHRTGCFLVLSSSSSSHSNEIEESEDPSSSLSNNR
SKNRRHFSDVFSQSASMAAMCSCSSPLLLPQPAHGLAQITTPSREAIGAFDPPRNAFM
DAAFAQGMVGMVDYEREAYPKKKEIFKALFSSLPKNINSNEEPVIVEIGMGSFPNALYY
KGMKGLDIIGIDPNDWMEGYAKDNANRAGLLNEDGDNLR I IHGVSEALPLLDASCDAVVC
TLTLCVLDPAKSVSEIKRVLKPGGKFLFWEHVLSQTDPDFARQQILNTPNQVKRADGCH
LDRRTGETIREAGFSKLDLQYIELKRFGFLNPTVCGIATA

>comp4616_c0_seq1; 118 1 378 LEN=1299; minus strand; translated
ATFERQRNELVTMQKSTQVIGQSVYNRMLQSARAREWISDEQSRLGIMHSTPMVATAKQA
PAAAITSPVDAASVPEPSSVSAMLSENDRDILTIKLTSKAI SKQKKMARKKRKAAMMDW
GDDDE

>comp4616_c0_seq2; 118 1 378 LEN=1043; minus strand; translated
ATFERQRNELVTMQKSTQVIGQSVYNRMLQSARAREWISDEQSRLGIMHSTPMVATAKQA
PAAAITSPVDAASVPEPSSVSAMLSENDRDILTIKLTSKAI SKQKKMARKKRKAAMMDW
GDDDE

>comp4617_c0_seq1; 553 973 2793 LEN=3153; translated
MEQRSGRKERSQTFKWFSSSTLLYYFCDRMAMYMNHRYYTCLVSSSVVWGKKGSKLIILKL
QRPVLFEFKAGQYAYLRISTINNEWHFSAI SRPSSNLEFYIEVHEGKTWTKHLWNLF
DEVTSGSFDVASLKI EVMGPYGSLSRGQNYSHTLAIGAGTGVVPILSMYKEHMHKLFRL
DPKKFFIELNSSERRQRRIEQAEQAQTGSLAQKIFRVLNGKYSLLRNHKTILTSGSSYDA
DNLQEDDHETIYKSATAATLPIYGSVVLSSLPVLGVALFALMISWSTIPIE IYPSMAMIL
KYFTIAFQTCFALVSIFFFWNADGILAYVDVVFVVISPFADWYWIEVCSDFQKLLPSDITL
FSILIWYMIGRFVVKAVSPNQSVRYRVTKHVQSSQVDQLKFLWITRSASQVSEILPDILM
LWDLVVKWGIENAQKVKITIHVTDPNELSCALLRKEYENSEFFRNGGIIFRRPNLRRV
IEDHTIELINSRVNSHSLAFCGSPSLSNEIEYNKISNDVITAMTGHSQSHMMDFVSESY
GGKKAASSNKKRKGDTLSLEIDHDEDEGVEVQLLTSRKNLSYYSNESCLDCLSFMDIQK
SFEISV

>comp4619_c0_seq1; 117 1 189 LEN=580; translated
QQQQQQQSRPQIQQQPQQQRRQQAQPRSQMSRPPYVDPNTNI IYETDNAEYEGFLTKQ
SMW

>comp4619_c0_seq2; 362 1 782 LEN=1130; translated
QQQQQQQSRPQIQQQPQQQRRQQAQPRSQMSRPPYVDPNTNI IYETDNAEYEGFLTKQ
SMWLKDWRRRFFLLKGSKLFYC SNEYSTPHGMIDLALCTTVKSADLKRKRNSFEISTPE
ITYLLYADTEQEKDDWIGRVGKAI VRCSSTYYSQSASGSGVRRQPQPQGYAGNYQQQQQ
LHQHSAMSDDDDDIYYEDPNENPYFNDXSGGTNQESGPGDGRCPGNVAQRRTTEETTQRG

MVQQHNATQHDTRHNVAET

>comp4620_c0_seq1; 258 1 1083 LEN=1514; translated
ITPPLRPYFILLPNFLPQMNSNTEKKTTKTAKAGGYQVPWIEKYRPRKLQDVVGNEETLV
RLQAIKADGNLNLILCGPPGTGKTTSVHALAHELLGDSYKDGVLLELNASDARGIDVVRN
RIKSFAMNKVTLPKGRHKIIILDEADSMTTAAQQALRRRTMEIYSNTTRFCLACNVSTKII
EAIQSRAAILRYSRLSHEQILANLLKVCQAEIIPYTEDGLEAILFTAEGDMRHALNNLQA
ASSLAKGAGDMVNQKSVFQVCDQPHPTIVRDIIDSCGRGNLHEAIEQLDELWSSGYAASD
IIGTVFKVTKAHDLSPEGEKLEFLREIGFTHMRISNGVNSYLQLLGLIARLCHMVEVTQQ

>comp4620_c0_seq2; 94 1 487 LEN=918; translated
XQTLTCHSNLGIIFYFSPHLDGLEAILFTAEGDMRHALNNLQAASSLAKGAGDMVNQKSVF
QVCDQPHPTIVRDIIDSCGRGNLHEAIEQLDELWSSGYAASDIIGTVFKVTKAHDLSPEGE
EKLEFLREIGFTHMRISNGVNSYLQLLGLIARLCHMVEVTQQ

>comp4621_c0_seq1; 310 130 1137 LEN=1313; translated
MSTATETGEAGNHSGCNSSCDKDPYTSVPICSPASSPSTPASARVPSLAFGLYKIPDSDE
GVGIMADAILEAGYRHLDSASIIYGNERSLGRALALALATTAAPSNGSKRIERSRLFVASK
VWVNDQQRGGRDAVRKSVLQSLRDLGLDYLDLCYVHWPVPGHFVETYRELMDLRREGKILH
LGISNFRIEDYEELEAAIIPPEEFVPLVHQLEVSPFLYRPETLRYFKEKGVLLAASKAL
HRAATLDDPVVEAVAESHSHRGGAGVTPPQVLLRWGLQKGLVVLAKTSRSLSRMVENRDL
LDFELSLAEVERLDALTPGAIETREALEAQRREG

>comp4622_c0_seq1; 416 250 1281 LEN=1467; translated
MGKKAGRDPGAPKRNMAYLLYQNAMREDFKSINPGMTFGQLAKYTSAMYSELPPAEKET
WVQRAEADKARYLHELANYVAPPGYDPKGDIVSTLQKTGRKPKPEKDPNAPKRNMAYL
LYQNAMREQFKRENPGMTFGQLAKYTSAMYKNTLTPDEKATWESRAAQDKARYDAEIAAYQ
PPPQHDARGVLIIEHRPRKRSKRGRPRDPAAPKRASGAYVFFFTNYMRPKVNEEFPGIKFVE
LGKLLGERWRALTPVQKKEYEDMAAEDKVRFQIEMQQYTANQAAAAPPSQEAASSTEAVS
QEHGTSSYYDPTVGHNALAGHEYNAHHAQSYHHPYQQQYHAA

>comp4623_c0_seq1; 362 1 989 LEN=1194; translated
XPHQHANKKERNKPKMVASIPRTGSAASTAAARPFVPRACLLLLLAGTSATGFTLAPSLV
ARCRSVPPRSPVVRDYADDGSPSDYDSSDLPEFKQVAVDEREEDVAIRAALKQELLLL
ASVTDRGAYCSREEKDIDVLDVAQLEALNPTKDPAAANCGGEWDLGYSSTQLFRSSPFFQA
IRVAVGEENKDVAVENGALHAQATSGSRVGRVQRQSITSETLTSEVDLEVGMLPGLPFSIQ
GTVVSTASLDVVS DKRWELRIQNTRVKGSNIPLFDQFVDNLQMELPVGDYFNTVQGTTPV
IPMTTFYVDDTLRITRDVDENFFVFIRE

>comp4623_c0_seq2; 327 1 1310 LEN=1515; translated
XPHQHANKKERNKPKMVASIPRTGSAASTAAARPFVPRACLLLLLAGTSATGFTLAPSLV
ARCRSVPPRSPVVRDYADDGSPSDYDSSDLPEFKQVAVDEREEDVAIRAALKQELLLL
ASVTDRGAYCSREEKDIDVLDVAQLEALNPTKDPAAANCGGEWDLGYSSTQLFRSSPFFQA
IRVAVGEENKDVAVENGALHAQATSGSRVGRVQRQSITSETLTSEGXVCVCGVDGVFLHW
VVVEGAARILPTGAGAESGGPGWSQHSKPPRIKLVNDRLSFPPGITAGFEYRPSASV
FWRSDHVRNPAHTGFLFCATQSHSSLLVYGAVDLEVGMLPGLPFSIQGTVVSTASLDVVS
DKRWELRIQNTRVKGSNIPLFDQFVDNLQMELPVGDYFNTVQGTTPVIPMTTFYVDDTLR
ITRDVDENFFVFIRE

>comp4624_c0_seq1; 313 200 1528 LEN=1543; translated
MSSACMYSSVMQSLQNSDIDWNQFLETIWERKCHRFFVFNEDKLSKSCSENNVWTEMVH
RGWAVLTQLMDGSLVGDGDRSQKASIIATGKGDCDSPLLFRDLQPMDDPDEIHRLYNNS
LYAAYLAGTSIVWNHVDLKS PRVAALCEDLQGSRCKPEQEHERRTYSYKSLKLDRAFFPH
AYANAYLTPPKSQTVPVPHADDRDVLVFLVGRKRWRVYQQIPIHYPTTHEQVKGSGIAPV
ESVLKGPLAFDSDLQPGDVLYIPRGMVHEAKTDTGNDVPELSFHITVALATYDWTLVGN
LSRMLQTKLMNIGELLPSSTDASSARTSNTTSPMNLRRSILPTTRENFRKRHRDEGKG
DDCKSVTDANGAASPARLDCGGFLVDTGAIQKIDSVFKLRTEITAESVAEAMDHRIKA
HNLRASGKRNALIMIGEKDESQ

>comp4624_c0_seq2; 465 200 1951 LEN=2341; translated
MSSACMYSSVMQSLQNSDIDWNQFLETIWERKCHRFFVFNEDKLSKSCSENNVWTEMVH
RGWAVLTQLMDGSLVGDGDRSQKASIIATGKGDCDSPLLFRDLQPMDDPDEIHRLYNNS
LYAAYLAGTSIVWNHVDLKS PRVAALCEDLQGSRCKPEQEHERRTYSYKSLKLDRAFFPH
AYANAYLTPPKSQTVPVPHADDRDVLVFLVGRKRWRVYQQIPIHYPTTHEQVKGSGIAPV
ESVLKGPLAFDSDLQPGDVLYIPRGMVHEAKTDTGNDVPELSFHITVALATYDWTLVGN
LSRMLQTKLMNIGELLPSSTDASSARTSNTTSPMNLRRSILPTTRENFRKRHRDEGKG
DDCKSVTDANGAASPARLDCGGFLVDTGAIQKIDSVFKLRTEITAESVAEAMDHRIKA
HNLRASGKRNALIMIGEKDESQCEPKKAIADPMDLVVGPVAAKNVSLETHIRSSTPIER

DYAQKKSSASSSSAAGLNVRDEIGDDVAEIVTKIKIQPQQNSTFRVGDVDFHKLLEAYSHS
LVCKLTSLSLAKRAVELGAFVAVCDWDGTEVPRAKRRKIDVNI
>comp4625_c0_seq1; 343 109 1203 LEN=1896; translated
MISTRSSLCLRAAAAASRMGRALTPSRSPSSVGLPAAARSFVSPFVGEERLRIRSLLSV
PGCDGRKIQKSRALGADAVVLDLEDVVAHDRKEEARKLVRETLLEDEGRSFGASELCVRVN
GLHIEHAIRDLEAVLPCPRLRYIVLPKVESAGDLLFVERMIEEHRVGRVVGASTSTSTSTS
AEETPRRDVRLAAIESARGLWNLREIVETAAPERYGRRFPLEGLVFASEDYNADVEAI
RTPGAEELLYARSKLVVAAKAHGLQAIDMVHINFRDLDELATECEAGRRLGFTGKQAIHP
SQVATIHEKFSPLSDVDFAARAMAAFEETEAGSGTCIVDGIADVLPVYKWA VKICRQS
ERPA
>comp4626_c0_seq1; 231 141 1571 LEN=1571; translated
MTDATQTLLVVLGVTWLAMVATLLIPSLSVQTHSFSARSDEMDAHLLRSSKDKSAKSR
KRRGSRAIT IENLPAVAAAALNVPTSEKILSNDDVDYQSIIEKWQMPKEAISLLRDVRSR
PVGFDYNRETDILALRHPLKTGGTSFSMMKKEIFGDGVMPGSGKSQWFKRQDFEKALQEH
PPEIDPNYWRNITAFYTHSFLRETDENKNLLNELRARVPVLEEKKFRLMTIVRRPLASGF
EFLGNKMSHRNILRVERDQGCRLSHSESDSDLGTNEEEKQECLAGTREKRCGFLLKTE
RFFFEFCGSLDTMLERGGAHNQLYQSLMGFLPEPPEFERSMPTLKDVAIYTIQDLGGLMD
VHKYKEDIIMFLITERMKESELCLFHYHFKIEPVKERHALYKHCRLRIWEERHKRIVEE
REQFDYTVWRAANSVMDVMAAMRLEIKGRIDAGESLDEIPFLGQGCYDDTTISSTX
>comp4626_c0_seq2; 228 141 1344 LEN=1685; translated
MTDATQTLLVVLGVTWLAMVATLLIPSLSVQTHSFSARSDEMDAHLLRSSKDKSAKSR
KRRGSRAIT IENLPAVAAAALNVPTSEKILSNDDVDYQSIIEKWQMPKEAISLLRDVRSR
PVGFDYNRETDILALRHPLKTGGTSFSMMKKEIFGDGVMPGSGKSQWFKRQDFEKALQEH
PPEIDPNYWRNITAFYTHSFLRETDENKNLLNELRARVPVLEEKKFRLMTIVRRPLASGF
EFLGNKMSHRNILRVERDQGCRLSHSESDSDLGTNEEEKQECLAGTREKRCGFLLKTE
RFFFEFCGSLDTMLERGGAHNQLYQSLMGFLPEPPEFERSMPTLKDVAIYTIQDLGGLMD
VHKYKEDIIMFLITERMKESELCLFHYHFKIEPVKERHAL
>comp4628_c0_seq1; 297 53 895 LEN=1124; translated
MASCLQKFHSSSAYRLFVLWMLYPLACVIFSLFWAWPIALADKTAYLNAFFFEMLFTG
SVIPLTDWAPPTDGTGSFAIVNLLAVAHQVILACF IGVSAGPMIEGLLDIKGGMLMKKID
PEGTLLIPRTKSGFLKMI VFYIIIVVLSIIWAAYWGGFMSLAEGWPFLDGFVTALGVIT
SGLTVLQPKFPVTGWGLFCGFYTGVMGAAMLGLTIAVASVPLLGVDLAYDDSPAVRIFP
MLLLSAEQREKLGLKGGCCGAKGGDSKEESADNGGVEEAA
>comp4629_c0_seq1; 304 153 2294 LEN=2303; translated
MPLNLSYRLFQPTTVHLRHETYLIISLALLEYASIRDLRFAAFVTVWLSRNLVVRWLLTA
HDTRTSVSEWSLFPVIKYYRFQFNPLENFINFITTTVLAGQTFDRPNPHVVAKF IGTHM
LNDLMAENNLGNLNSNPNRNNRRGGNSSSSSHSHYGNSSKKNHYDLVCDWCKRTFYK
IKELSPSSLAVASSEAYWTNLMRSCGPPQLVQLFLLFLYFCWNFPLSENGGGIVRYF
TTIYTDVAQVLRDIYNI AVNRNVIYHYGRHDDSNGLVNTNHALIMETLKDSGSAMGYSG
DIAIDNTKAIGQYQHSFSPWTWIDLWYIIIVCGTCLSMALYGRILLPIPDVAGSCVLSF
RLRDGAGGKILTNVGGGGGNKGSRNNSQRGGSSSIGGLATGSGGGDPNFDQPWLEQY
QSIITEHRLKILNVAFVRVVENLFLIAILPRTDFACKTTGQCPNKSGLGELAKVLFYAG
ITEPLRSDSQYYQNDGKNPFSVGDNPFRPPVASALMIGISAVVITVSLLLAQAATLNR
HLGITGYLAGGWVADDQQTHPSVTDKASKSNSRNKSTPESLAPEWVPRKRYKKGELVT
YERTVYRATTNNPEGCPYDFYLRATHKIFRNELGHPATSRVAVFVSTVQFGLISLLILMV
LVHQLILGEDEPGERTTCLLWTLAANLVAVFGTVSVAVPNYSEFDRLAADLMN
>comp4630_c0_seq1; 239 767 1339 LEN=1578; translated
MAISKNTPKQNNMLFMLASLACNGQNKARDSIPAAVAVSDASDDDRSVTALPQVKEVVVA
RRRRRPIKRIIPGNDYQCSPLNSPPGSSLAIPKKSLESIKILRCPRKTNKIESISLTT
YNKKAASVHNQRQKKTRCCIRTSVSGSGLALAHDDDEKLKQVHSPLDLPSFLPCPAIALR
NVEISLNLG
>comp4631_c0_seq1; 732 1 1707 LEN=1866; translated
PTGGSTGGSTEGSNEGSNEGPTGGSTEGSTEGSTGGSTGRPQGENSTEGSSNSSSSSDGSN
QHGDGKRPSEQDGNVVDNQSDSSQQTGSNKSNDENEANNDSTTGSSSIENNGSTE
NQTGGEQVIFNSDNI FDKVLEKTD SATAAFCPDVSPDREVLVNWLYAVEFIPNLTEEQK
EQAVTIMELKLVSEVLKCN TAVSVLPGKRAVRQRNLVEERVENNGIAGLNYMPLDAKNE
IVCFNSNTAAGVCETYFGRMEMYLEE DAVVQVAINEILHSIRD TMERKNEFP AVEGIVQV
WYLEPDLSGVSKI S GADDTIGDQKPPIDGSFSTGTLIAFAALGVFVFAALIMGAFRMRRN
NHDGISTLEPGSSSLGCSAFTTGND SYVKQSNFTTMLPNSYNLDDGDNMSAIP EGDSSDA
DSRYECSVIVSDGGYTS DGS RAGDALHPSHFDTVLGAPHGDEDNLDTRDRLFENDENY

EDISSMGNRDFSNHRKHNLVSADDVGLGMRHSTVDVHQCTSANCKICNYKPRDVF IHNS
PHTPDVSLGNFFNEQPPSPPETPDEVEL
>comp4633_c0_seq1; 113 629 1309 LEN=1900; translated
MVPKPHSCDGHSHDHEHSDNDLGLSLRPQIDFDGKCLNEELPNMGRDVLKLHEERLTSD
PFLRSQDDPELLLYIPFTEAVTITHLSVRSEPRVMEFSPAAPRTVRFVSDRDDIDFDT
ARELAPQCTVDLVPPDHFVEGTVDYPLRPAGRFQNVSSITLFFEDNFASLRLDDEDEVAT
IVTYVGVKKGSRQKRMAVDVYETRGMKKDHQVPGAQNEIG
>comp4634_c0_seq1; 118 1109 1644 LEN=1729; translated
MAXIVNIDVTTFNRRGGYHGDLNETFLVGNVDDD GKRLVKTSFDCLAAALDKVKPGTLYRD
LGTAIHKTASKNKCSIVRTYCGHGIGSLFHTIPNVPHYHKNKAKGTMKAGHVFTIEPMIN
LGNPGDFTWGDNWTAVTTDGKRSSQFEHTILVTDGTGYELLTGRENEPVMTWDAALNSR
>comp4634_c0_seq2; 191 549 1517 LEN=1602; translated
MSEPSWAKYFSFSGSLR PALQSPKRVPRTIRRPDYADHIAGVSESEQRDKRNHNNIRVY
TSEELDGEDGLRHACRMGREVLNEGAKAIRVGVTTDEIDRVVHEACIERDCYPSPLNYN
FPKSVCTSVNEVICHGIPDFREVQDGDIVNIDVTTFNRRGGYHGDLNETFLVGNVDDD GK
LVKTSFDCLAAALDKVKPGTLYRDLGTAIHKTASKNKCSIVRTYCGHGIGSLFHTIPNV
HYHKNKAKGTMKAGHVFTIEPMINLGNPGDFTWGDNWTAVTTDGKRSSQFEHTILVTDG
YELLTGRENEPVMTWDAALNSR
>comp4634_c0_seq3; 285 132 1355 LEN=1440; translated
MALTCSSPGCSNAVTGNLACPNCKKLGLNNYFCTQECFKKNYAAHKQVHVIAKQVLAASG
GQSATCSTAPQDGISCALDAPAETKMSEPSWAKYFSFSGSLR PALQSPKRVPRTIRRPD
YADHIAGVSESEQRDKRNHNNIRVYTSEELDGEDGLRHACRMGREVLNEGAKAIRVGVTT
DEIDRVVHEACIERDCYPSPLNYNFPKSVCTSVNEVICHGIPDFREVQDGDIVNIDVTT
FNRRGGYHGDLNETFLVGNVDDD GKRLVKTSFDCLAAALDKVKPGTLYRDLGTAIHKTASK
NKCSIVRTYCGHGIGSLFHTIPNVPHYHKNKAKGTMKAGHVFTIEPMINLGNPGDFTWGD
NWTAVTTDGKRSSQFEHTILVTDGTGYELLTGRENEPVMTWDAALNSR
>comp4634_c0_seq4; 171 132 1482 LEN=1567; translated
MALTCSSPGCSNAVTGNLACPNCKKLGLNNYFCTQECFKKNYAAHKQVHVIAKQVLAASG
GQSATCSTAPQDGISCALDAPAETKMSEPSWAKYFSFSGSLR PALQSPKRVPRTIRRPD
YADHIAGVSESEQRDKRNHNNIRVYTSEELDGEDGLRHACRMGREVLNEGAKAIRVGVTT
DEIDRVVHEACIERDCYPSPLNYNELRVLLVWFRFRPVGKLR CYDKILEGSDSGLGLFL
FLTSCNSFPKSVCTSVNEVICHGIPDFREVQDGDIVNIDVTTFNRRGGYHGDLNETFLVGN
VDDD GKRLVKTSFDCLAAALDKVKPGTLYRDLGTAIHKTASKNKCSIVRTYCGHGIGSLF
HTIPNVPHYHKNKAKGTMKAGHVFTIEPMINLGNPGDFTWGDNWTAVTTDGKRSSQFEHT
ILVTDGTGYELLTGRENEPVMTWDAALNSR
>comp4635_c0_seq1; 98 1 232 LEN=232; translated
XEGIPDQQR LIFAGKQLEDGRTLSDYNIQKESTLHLVLRRLRGGMQIFVKTLTGKTITLD
VEPSDTIDNVKTKIQDKE
>comp4635_c0_seq2; 108 1 136 LEN=221; translated
XEGIPDQQR LIFAGKQLEDGRTLSDYNIQKESTLHLVLRRLRGGF
>comp4636_c0_seq1; 269 81 674 LEN=1040; translated
MSTRSLITPTSKDVGTEKFKV VILGDESSGKTSI IRRAVDDKFSKEYEATLGVDLFTKTI
CTPGQKDIRLQVWDTSGQERFKSSIPSYIRDCHIAI IAFDVTTRGQYDSIEKWVTEVSEL
REQDEVWIFIVGTKCDLPLSQR CFTQQEIDEKLNELQRKEAPNNN ILOIYIETSGKAGFNI
RRMFYNIITTKLIDQSSQ
>comp4636_c0_seq2; 245 81 602 LEN=1147; translated
MSTRSLITPTSKDVGTEKFKV VILGDESSGKTSI IRRAVDDKFSKEYEATLGVDLFTKTI
CTPGQKDIRLQVWDTSGQERFKSSIPSYIRDCHIAI IAFDVTTRGQYDSIEKWVTEVSEL
REQDEVWIFIVGTKCDLPLSQR CFTQQEIDEKLNELQRKEAPNNN IIVLSFFI
>comp4637_c0_seq1; 301 142 930 LEN=1335; translated
MRTFQFLIFLVLSGIVVSSEQK IAAESTKEKVKYRKDASGDNDSDVELEV NPERKGGGF
YRDDLEKGVMDDIKLDNSKIKKNRVNQRNKNLRKETEKVNFVYGLDGELEPVL SKDDLER
HITENLLEEKEANALRRAGPLPKGIFDERRSGTDGHGGVVLTEEELEDI IKENNIDDQEA
EVFRALRPYSYNYRAPSYSYRSSSYRGGYNSKGGKGYGKGYGKGSYSYQPTTYSY
TSYNGYSYGHRKRSYQY YFY
>comp4638_c0_seq1; 487 1 901 LEN=901; translated
DDAILERAQREYIASMLESARGQPSSMAVVREAPTSKPKTNTGAPSKRQAPPAETELDR
RVKQVLQVLP HFGEGFVEVALGLYKGDVEATVATLLQHPADGDSADPGYPTALRMLDPKL
PRR KREFVAYQTAEEEEAASAREARADVKERLALAEKQKREFEALVVVSASASADPPPK
PVDGGGGSPTDQPKPGAARKLTRKELRQKLRHQHRRVLADEYNDYDDQYDEVDIK LGA

ADDGFTTDHTSAAGSANNMTYEQIKLYNKIVQEDMSDASFWESENRTNKKGSNNAGNNNN
X

>comp4638_c1_seq1; 415 96 921 LEN=921; translated
MDTASPVDAQQLVSDLEGLAVSATAPSSPQLLPSLQQFYRLGLVLFRIILDDNNGDGHPV
AIAYRKLIESLSEEMLEPVFRDLRRASGRLLASGTVRVEDTLARAARSVAGLVGAFSDGG
APDPTCGDGKYRSRGRSRLCRLAYDHEWTSTLAAFYDRFVVAEKRQQRDALPDPDSSASEM
ETNKTAVLSCLSRMLLDGLILPVPFHRKRKNAPNTPPVEESLLEAIRSMEEESIDCLRDL
QEWQLLGGDPFRRTLEESLSHIGGNRHRGGDDDDDX

>comp4639_c0_seq1; 354 98 1807 LEN=2221; translated
MARGHIERTLLLLAGVLVIGTQLHPAEGQENTNVLGTNGLYLDRFNVDATVQRPDGFDTY
GPSDWENIECDERDALQSCCLAYPKWETGRAWAVNRNYCRWCPASDPDRCSRHHQSPIDL
QRAVGKEPGTDWLANECIDIHWMKYEDSTCTMEQLIEADAFTIERHALRISQPIAVYDDF
RDDPDGVPDGVKLECRKEGVGSRFGRIDFSKGFSSQWWHLSHTDLHTPSEHTQDGVRYDAE
IQLHFFYSVTAREAGINNEVATVAVFAQAYDDVAPYFPLDKVICQWRRREYEVRTACGLE
PIRLSYPGCFPLKRKERSLRKGAKPGSATPRFQTAHDVILHNDHRHTDPNHTHTRLRMEE
ANWGPAEDKDWDTWIGEQQSKKMEADEALYHSMREEHHGGNHTEALHRDFRALFQFEELEW
FNYWPLMGVVRTEYFRYSGSQTVPCCYGNFVSESRGTGNHWRVLDKPIRIHTRQLAEIRR
LTAERIAPPGSAVGSCTPDTASTVTYDEADPTKIVSVENARPLQSWARPHFKTFCECKDW
PSKWPEDRRWCEIEDEDERFYDKPYNFGW

>comp4639_c0_seq2; 304 160 1416 LEN=1830; translated
MEQLIEADAFTIERHALRISQPIAVYDDFRDDPDGVPDGVKLECRKEGVGSRFGRIDFSK
GFSQWWHLSHTDLHTPSEHTQDGVRYDAEIQHFFYSVTAREAGINNEVATVAVFAQAYD
DVAPYFPLDKVICQWRRREYEVRTACGLEPIRLSYPGCFPLKRKERSLRKGAKPGSATPR
FQTAHDVILHNDHRHTDPNHTHTRLRMEEANWGPAEDKDWDTWIGEQQSKKMEADEALYHS
MREEHHGGNHTEALHRDFRALFQFEELEWFNYWPLMGVVRTEYFRYSGSQTVPCCYGNFV
SESRTGTNHWRVLDKPIRIHTRQLAEIRRLTAERIAPPGSAVGSCTPDTASTVTYDEADP
TKIVSVENARPLQSWARPHFKTFCECKDWPSKWPEDRRWCEIEDEDERFYDKPYNFGW

>comp4641_c0_seq1; 571 153 2210 LEN=2262; translated
MNSPINATGKQDGGSCIGDEERQGGDSVYAAAIRLCCSKCCSYLKPNDYDEIRADKVHVTP
LKCWLCLGLWQKEEPEEENSTDEEKKCLEEFKRSGIFCLRRAIEEACSPYGGIGRKSNGR
FSRMPNQHTHTVLSGLDCLRYKWLASFSSNSHVPFSVYLQDLKQHLHSRIKSIIDKDDEN
GEKDCNREKEKNAQSWKRENHQVFEEVEEQGLSIHLLCLPPKDYPMALALNKYMKTNVAG
KKTKNQRNRYNKRQKCGPFTTQGGDPRQNLVRLRSKGYEWISQSTAEQLSASLSSSQAS
PSLAMLFLNDSAPNNSMTMTKMEYQVAVFRRPYLYGYTYKSRRDVSQTPFVVMREKLSS
PAVESGAKSVANEYDAIKSNNDGGVTAPLPKKEAQTGATSVEEQICGPIKDLLGVSTR
NNITLPSDNDSLTMVGNTGGGGVLYGMIKFHASGREDDMVRMLVRSNSPTCHGRPFVQ
IIDALKGIASPIELKGLIETINHSSAESKTTTALPASRNDSGRNEGVSYGKNPMGVGIS
PDI FRVPAATFSGLQGDTESKTKHYGCYCWSKNTLPFDDNGGNELTQIIFKDLIFPLAI
QQKTPVRVMHRRSNSVRDRNVLDKATRVDHDFRLELSTQAGTYVKEFVYVYGFRTIPS
VSSLMGCKTNLLELDCEGIEIPFSS

>comp4643_c1_seq1; 144 1 812 LEN=812; minus strand; translated
ALLAGRVPDGEELDPLPAHLEVLDLKVADGRDLVLEGGVREPEEHRRLGGASWQGTEN
GEACNGVGSSARAFPREKKKRDNVTVVRGPAQRGAKRNKREEGKPRELLWCGVCQTRTAT
WGGEGDKSRGVSQKQKSIKIRPFDPSSIRSVQPNRDHGTGEERRTFPTEASPMSTLKRKSY
GNVFGGATGGADMVAGVYVLFVVFVRQWDLHFLVRAGVGVAIAVADAIVPKLGVLAVVS
EREKSSGIVSYRLVSCSTKYGRIPVGYKX

>comp4643_c1_seq2; 153 232 468 LEN=468; translated
MSAPPVAPPKTFPYDFLFLKVLIIIGDASVGKSSMLLRFTDDSFDEHIQSTIGVDFKVKHL
EMSGKRVKLTIWDTAGQER

>comp4644_c0_seq1; 27 1 1792 LEN=2321; translated
RAAQGRMCVIVPERMRGRARGIRKPRPDPGRADGGSLRCGASASRLGGSPSPVPRPLRW
LLFAVVLALVGVAPAEGQRQRGGHPGKVLRHADAPRPDPGTATDLTGSVLGRRDKKRLE
RRIRGGRLPFLSQWPRPSSRKRSLADLDLEVVVASGVEHGYPREMAADLLHKGWMA
DQTEHSGGMIVLVAIEDHRIEIVVGD SLAHVFGADWCHSVLYGRGVTEAFRAGRYGPG
ERLLDEVEDRWGEAGAETATETHAGPHSGRRHRSRTGTAVAYLAALAGGYAGLPFWQRF
GGGGDPRYGHGHGEGHGHGHGHGHLPTGDPRHARRRGGLAHGPRGLDMGMGLP
LPLLSGLGALLGAKRGARLAGVARRHRPFVTFGERDCGAQRIEGSPSAAAAGANTKRP
FRSPPLSPLRSEEQRQRLRDAALGGTALGDSAGGPPGGPRANTTRPFERRGPGPRDRS
GAGGPPGRSALPEPAGTTRRNPTRVGPAAGVLPVAVERRGSKHSTEQQKLSISPWWHRAP
PQICTVRVPAFPMKLCIVEQNYCTTSFFPNFRIKIKTDCDFCFRVWTEDLTILNHE

>comp4645_c0_seq1; 943 182 2569 LEN=2609; translated
MSHVIGMTNRISLCLQLLVIVSVATIPPAYSFTSATVSPRSNHRSQKSAIAMSSSDAKQD
VPYGAWESPISSKSITAGSVGIGGLHVSPDGNNGDIVYWTEGRPQEGGRNVLCRYDPTSE
EKSERDAVDVTPKDTNVRSRVHEYGGGAALFAATTEGSDKEDTLFFIDFASQQQFKLALD
GGSGEKEAATDDTGRYRYADAIYDKQRKLIICVREDHGVDGKSSPKEVVNEIVALDPNE
PAREPKVLVTGTDFVASPRLSPDGNLTVSIVWDHPNMPWDATKLVSVLALPEGDLLSSSTE
VGEPTVIAGQDGDTSVMQPLFHPSTGQLFYISDESGYYNMYIQDGGEAHSLLPMNVDFGG
SSPGWMLGQMGYTILKDGRLAAVIKRDGSSVLIVADILNYTPGTPVASVEYTSDDGLPMQ
FGAVKGGTSEDTKDVLVYFMGGDPSTPASVYRWSLEKKS DATILATSSTLKFDDSVISIPR
QIEFPTTLGTAFGYYYPPKNGAYHCTTESAPLLVKAQEGEFFENVCELFEQEFLSSAFR
KDCLALCSAGDQETIDXLMYFFLSSPTGATGTMFNAGIQYWTSRFGFIFDVDYGGSTGY
GRDYRRRLRGSWGIVDIDDVCNGAEHLVNEGLADGDRLCDGGSAGGYTTLGALAFRDVF
KAGCSLYGIGDLTALAADTHKFESRYLDGLIGRYPEDEAVYKERSPIESVDKLSCPILLL
QGEEDKVPPNQAEMMYEALKQKGI PACLKIYEGEQHGFKAENIEDALDSELSFFGKVF
GIDVPDSISLQVDNM

>comp4645_c0_seq2; 921 136 2370 LEN=2410; translated
MSSSDAKQDVPYGAWESPISSKSITAGSVGIGGLHVSPDGNNGDIVYWTEGRPQEGGRNV
LCRYDPTSEEEKSERDAVDVTPKDTNVRSRVHEYGGGAALFAATTEGSDKEDTLFFIDFAS
QQQFKLALDGGSGEKEAATDDTGRYRYADAIYDKQRKLIICVREDHGVDGKSSPKEVVN
EIVALDPNEPAREPKVLVTGTDFVASPRLSPDGNLTVSIVWDHPNMPWDATKLVSVLALPE
GDLLSSSTEVEGPTVIAGQDGDTSVMQPLFHPSTGQLFYISDESGYYNMYIQDGGEAHS
LPMNVDFGGSSPGWMLGQMGYTILKDGRLAAVIKRDGSSVLIVADILNYTPGTPVASVEY
TSDDGLPMQFGAVKGGTSEDTKDVLVYFMGGDPSTPASVYRWSLEKKS DATILATSSTLKF
DDSVISIPRQIEFPTTLGTAFGYYYPPKNGAYHCTTESAPLLVKAQEGEFFENVCELFE
QEFLSSAFRKDCLALCSAGDQETIDXLMYFFLSSPTGATGTMFNAGIQYWTSRFGFIFD
VDYGGSTGYGRDYRRRLRGSWGIVDIDDVCNGAEHLVNEGLADGDRLCDGGSAGGYTTL
GALAFRDVFKAGCSLYGIGDLTALAADTHKFESRYLDGLIGRYPEDEAVYKERSPIESVD
KLSCPILLLQGEEDKVPPNQAEMMYEALKQKGI PACLKIYEGEQHGFKAENIEDALDS
ELSSFFGKVF GIDVPDSISLQVDNM

>comp4645_c0_seq3; 944 136 2232 LEN=2272; translated
MSSSDAKQDVPYGAWESPISSKSITAGSVGIGGLHVSPDGNNGDIVYWTEGRPQEGGRNV
LCRYDPTSEEEKSERDAVDVTPKDTNVRSRVHEYGGGAALFAATTEGSDKEDTLFFIDFAS
QQQFKLALDGGSGEKEAATDDTGRYRYADAIYDKQRKLIICVREDHGVDGKSSPKEVVN
EIVALDPNEPAREPKVLVTGTDFVASPRLSPDGNLTVSIVWDHPNMPWDATKLVSVLALPE
GDLLSSSTEVEGPTVIAGQDGDTSVMQPLFHPSTGQLFYISDESGYYNMYIQDGGEAHS
LPMNVDFGGSSPGWMLGQMGYTILKDGRLAAVIKRDGSSVLIVADILNYTPGTPVASVEY
TSDDGLPMQFGAVKGGTSEDTKDVLVYFMGGDPSTPASVYRWSLEKKS DATILATSSTLKF
DDSVISIPRQIEFPTTLGTAFGYYYPPKNGAYHCTTESAPLLVKAHGGPTGATGTMFNA
GIQYWTSRFGFIFDVDYGGSTGYGRDYRRRLRGSWGIVDIDDVCNGAEHLVNEGLADGDR
LCDGGSAGGYTTLGALAFRDVFKAGCSLYGIGDLTALAADTHKFESRYLDGLIGRYPE
EAVYKERSPIESVDKLSCPILLLQGEEDKVPPNQAEMMYEALKQKGI PACLKIYEGEQH
GFRKAENIEDALDSELSFFGKVF GIDVPDSISLQVDNM

>comp4645_c0_seq4; 966 182 2431 LEN=2471; translated
MSHVIGMTNRISLCLQLLVIVSVATIPPAYSFTSATVSPRSNHRSQKSAIAMSSSDAKQD
VPYGAWESPISSKSITAGSVGIGGLHVSPDGNNGDIVYWTEGRPQEGGRNVLCRYDPTSE
EKSERDAVDVTPKDTNVRSRVHEYGGGAALFAATTEGSDKEDTLFFIDFASQQQFKLALD
GGSGEKEAATDDTGRYRYADAIYDKQRKLIICVREDHGVDGKSSPKEVVNEIVALDPNE
PAREPKVLVTGTDFVASPRLSPDGNLTVSIVWDHPNMPWDATKLVSVLALPEGDLLSSSTE
VGEPTVIAGQDGDTSVMQPLFHPSTGQLFYISDESGYYNMYIQDGGEAHSLLPMNVDFGG
SSPGWMLGQMGYTILKDGRLAAVIKRDGSSVLIVADILNYTPGTPVASVEYTSDDGLPMQ
FGAVKGGTSEDTKDVLVYFMGGDPSTPASVYRWSLEKKS DATILATSSTLKFDDSVISIPR
QIEFPTTLGTAFGYYYPPKNGAYHCTTESAPLLVKAHGGPTGATGTMFNAGIQYWTSR
FGFIFDVDYGGSTGYGRDYRRRLRGSWGIVDIDDVCNGAEHLVNEGLADGDRLCDGGSAG
GYTTLGALAFRDVFKAGCSLYGIGDLTALAADTHKFESRYLDGLIGRYPEDEAVYKERSP
IESVDKLSCPILLLQGEEDKVPPNQAEMMYEALKQKGI PACLKIYEGEQHGFKAENIE
DALDSELSFFGKVF GIDVPDSISLQVDNM

>comp4646_c0_seq1; 367 111 452 LEN=503; translated
MKELATYMLQIGGNASPSKEDVTGALS AVGVEADSASLDKLFADIEGKEIAELIEAGKD
QLAKFGGGGGGGGAAAGAAAEEEEEEEEEEEEEEAEAPAGGGGLFGDDGDGDY

>comp4648_c0_seq1; 545 1 1358 LEN=1425; translated

XADPQSFFLVEFLGSHEFIWVREADIVENFNPQEDPNKKDGHQRSKKISRKSLANILGSK
IYANALEEAQWALEEFELQLQDIGGSTEGMEDDEHEEGYSYSVLSQSDDEADDDDLATE
DLDQDECNELLATNGLLDVSVAGRKRRAQILKQOKLNAEKKQKTVKAKKARADKAKKAKD
EKQKEKERRQEKRDLEKRRRKRMREREKALKGVQHQQKKRKLSDPAPGRRHLIASKRDR
EAIVSGYVSRAAKAGVYKPLGLGGEQRWIQSAFIDSTNLSGMALAFRASAGLIPMPKQDT
GAPGKIVLMPWDKIRLRGKKTSAERSEVLLKQIDLLEKEIRLRKASRTRRENRLKGVLQE
VIKMEAGIAEDDKLSRENPLKSKKPHPLAGKKRKRSGASAADPKAAADAKKEGSGSPS
AKAAKPEKPAASAAASPGGPAEAPAEAPAGAE

>comp4649_c0_seq1; 745 175 2121 LEN=2478; translated
MMMQPVPVNAPEPGVIVDKLEGHVHVSDSGTIDEKKESPAEEHAEYNMMSMQQEQRLLI
QQHYIHNPYAQHQHQYPPHMMAGMVPPQQVYIQHQQQHHQLPLESQFQSMGLGDTNGGG
AGQGGNDSNNNNNSSEDANNGDSRNNVNDGSNDRNDESDNGNGDRIANEDGGDRNGNEDE
PIKLFVGVQVPKTMNEEDIFPTFNDFGPLKDVSIIRDKHTQLHRGCAFVITYLSASDAEQAQ
EALHGRHFFPGARRPAQVKAEPSPVQENKLFIGMLSRRAGEDEVRELFAPFGEIREIYMI
RNGDGTSKCAAFRLRVGRDAAVNAIEALHNNLVMEGAARPLIVKFADTKHQHRVQMRSV
RRHEMFIGGPAGGYPGPYPGHHMPMGPPVPGGPPHQYAAHMGAPPQMQHYGGYPGPGA
GGQMYNPMGYPPAPHYPSPHYGGFSEKQGGPDGGHQHSTHPQRMKDGIRGNPRHHNQ
STNPRPREGPAGANLFFVYHLPHDLTDADLATAFNPFGNVISAKVYVDRYTGDGSKGFGFVS
YDSVISAESAIEQMNGFQIGNKRLKVQHKRVHNNGGGNGRGGGQHAGIGHHEQQQPKPQQ
QQQQPPPQGIPLDTAPSNAALDSGKVPDPAEGSAAPSSGGETSGILP

>comp4650_c0_seq1; 238 77 433 LEN=692; translated
MSNPLKSFQQGFQETEDSRIGRLSERVAEGSVDSQKHSDEYNRPNMFTHLYYLQDEPRQR
GYNVYSNMSSFFKGRDGGAAASSFHSVRYNNEEAKKKRAALVEKYNVESAVATHGTTE

>comp4651_c0_seq1; 709 341 2001 LEN=2001; translated
MPSIVHARHELKYLVMVQEVEVIVNQHPKKSMSVEMSNSIGELDTYCNKPLLLAPVTATD
AECGDTSDDATKTTSGPEDEDEDGSRIECETDDRDANNEENSLSTLDSNSISSAAVANAL
ATEDAAAAIPNFPECNKKATENKRSVQFEPMSTMYVFDDESEGECEDEVEGDEVRAEQE
SIDRDVFCYSTNAIASPKPSQSDPSDSLSCNKYYIENAWYSANDIKAFRADAWLTVNWM
VLNGFAGENMAYITGKHLLEEAVALDSGDHPEQDELKLDSDTESAAMLSARVQQEKDQKDP
QPRYSFCSRGVECRTPGRIVKNKRRLDAMRAVLLYQQMQKNSRRVQRRKAIKEQQRSNS
NKGYDNCNETDYDHLERLRIEIEIDTEALANVYRSYCEESCSVALALGRQDALDAGIPK
PPP IENRNSNPVVDSSPPGLTLVASSSDVSSSSSLSNSTSATSVTASVAPPKLPIEPEF
LTHRRSRSLSIEDPQTIGKVIIVDCPSLCCDDDDDEEDLATLVLSLYVRHPIVEEYGCGEQ
DEEEHQQKQLSX

>comp4652_c0_seq1; 275 82 921 LEN=1575; translated
MRRTTAVFVSVPLAVSLALVALAICGAGTTSFTAFTAPAGSVSDRGPSGSSLASTVAQAPP
AEQQHWMDFMKFGGTSPGFDVIEQTRAFSECKTYDDAEGYFDEDYVFRGPVGPITAKDV
RETQERFNVMDAYPDLVMEKFGYTVDPENPYRCYWFERWKGNTREAVQVGPLALPPTGQV
AVVPTHVMSANWTPSGKIIYLCLSGPLDRFEGNTMGQGAVFGLLKTAGVPLPVPVSVGNPS
LSFNQKYVAPLISQKAFSADADVPGWKSTAKGADANDV

>comp4653_c0_seq1; 356 154 798 LEN=1027; translated
MNIVLSTTVLASVLAAPAYSFSYLDLGGGVAVAPPASSNGASYLDALNGAPVAAAPVAE
PVAAAPVAAEPYVPAATAPVAPAANYHDSLSTGATEISGPGIMTHADTLNTGANSLLGGA
GIITHASSLLTPSALAGGAGIQTHCDSLSPSSGSSVSYNPFGSASVASASFSGSTADGV
SFTLETGDISGLVADIKAGAKLRLTGSIDSISYN

>comp4655_c0_seq1; 312 370 1299 LEN=2658; translated
MGGDGGVIASNRKFMRGAGTADCVDLHRKAAQKFNPKAMSTCSLTKTPLLVRASSGSS
SSSSSQGAIVADPYGVLYHKEAAVRALLKRAQKRGYGDAGNDASIGPQVRRADLYEVR
FHLDGETPVCPISGKALNGSIPALLLVPGKQAGAPNVVSESTLSRLSQEELEAEFGAIAKK
VRLAPDPLLEQIKEEV RTEQEKDEEERFRAKKEKRSKDKSSKRKRGSKESGETKKKRD
KSGHKECPPLPSATHKISSSSSSSLGQQVQKVN SAIQQNSVLSSLFTNKNASSKVTEK
EKKDNLFAR

>comp4658_c0_seq1; 641 87 1975 LEN=1975; translated
MLVSFTIFHKGGRVLFQHSDEASGEDDDSRSRISINTWLEEIYFNPTVSKTLHKNQILVDG
TTRQVVEWEETSELIALAVYPDLRHEDSPWIRSLLAASLQFYQV FARARSAGTGEDKENS
NATNVFQGPAAASPESQSLFGKTFEILVQKHRSESKLSSSAAAASGARSNKASGASGNS
NKGKKEKRQWHDGNAKVTEKAMKELDKSAAATAEAIVKSEEQALAEARAAYLPTDADLAD
FDIEDTTQLADDENDGDGDEQGGSGWGKSLQGLFEQMTGQKVLTKQDLEAPLTEINKLLT
SKNVAGDIAEQICNKVRDSL VGKLNMYRVKTAVRQALEQVIGELLLPSTELNLLRKVV
SKRDQASSFFAKSKTQRPFVIAVVGINGVGKSTSLAKLAYLKSNGCRPLLAACDTFRSG

AVEQLGVHARCLGLPIYSKGYAKDPSAVAAAAIEQATKEGNDVVLVDTAGRMQNNLPLMK
ALGKLAENQPDMMVVFGEALVGNQDQVRMFDKAVSFQNRNQRVSAILLTKFDTVSDK
VGAALTMHTVNAPILFVGTAEIPPAKTVDGVDGVSPLPLACQHWASGGLWLRTEG
ARVAQTEKRTVAGRNLKRPERVLRIVTKW

>comp4659_c0_seq1; 983 263 3523 LEN=3620; translated
MASASSPDLQGLAQKLLSGDFDINLLDQIVGAAYDPI SPHRAEANKALMQLESPDLWQM
ADGII EQSQNPNSRFFGLQVLDLDAIKIRWKVIPKDQKEGINKNFVVGKVIKMSDETMMKQ
EKVFIGKLNLTVEILKQEWPNWPSFISDLVGSSTSEVLCENMQILKLLSEEVDFDS
RDQMVTEKVKRMKESLNGEFSQIFQLCQFVLEHSQKPSLLRVTLKTLQRFLTWIPGLGIF
QTNLIETLLNKFFPVPLFRNHALDCLTEIGTLQDLEPQYDPLFRGLFTTFLQRLRDIFAP
DMDLRKPFQEGSEEDCFFIQKLALFLSGFFKAHFRVLETPESEQALISGMFYLVRISEIQ
DVEIFRICLEAWHMLAEDLYKADNNQSSFYDASATSRVNLNNGNASSRSSRKFVYSSVLT
GVRQVMIANMAKPEEVLVVEDENGDIVRETTKDTDVIAQYKTMRTLVYLTHTLNCEDES
IMLSKLSQVRVESKDFDFNVLNLTLCWAIGSISGAMSEDEEKRFVTVIKDLLGMCEAKRG
KDNKAVVASNIMYVVGQYPRFLRAHWKFLKTVVNLKLFEFMHEVHPGVQDMACDTFLKIAT
KCKRKFVTLQQDEQVPFISELVESLPSIISDLEPHQVQSFYEAVGCMLNDRGPNVAIDRQ
VLQSKLMEMPNTWEVIMDQAKLSVENLVDPATIKEIKILKTNNRLCRSVGGGLFTYQLQ
TFFMDMLNVYRVYSERISAAVAQQGAIATQMSLVRTMRSKKEVLRLLITFDKSGPPEA
EPMTVAKGFIPVLDPI LGDYKRNIAGARDPEVLTFTTVEKLSNVVDEVPKIMEAVF
ECTLEMINKNFEDFPEHRIRFYEFRLAINQHCFPALFNIPPEHQKLVVHAIWVAMKHKER
NISDTGLEILHELLLVNVRTPNVAQAFYQYLLSLIQDVFVMTDRFHKSGFKIHATLLR
HMFHLVQANQVTVPLFEPSTQPPGQTNPAFLREYIGNLLITSPNLSKTQVSKFVDGMFD
IKMDLSTFKTHLRDFLIELKEFSAEDNSALFSEEQEAERRRQEKAMMAQRSAPVPMIKPS
EIDNDL

>comp4660_c0_seq1; 259 1 673 LEN=696; translated
DDDDESEEAVKASLDVGTGTTTNAAAAAATTTSTHMSEAYS DPVLEASIMEDVEKMRVFE
IKEALRIRGISVTGSKDTLKERLFI SLMDAGTNRGLLRNNSNNDDNAVRCDATPFDSI
QFDWRWDPARAAKEYRSNRTFETKPFPPFHCGIECPTVGS CDGTNGSVAVRFGVVLHGDR
GASGPNLNLIERNTRKLRHETKRIESKQNERSRNEGIANNPHY

>comp4662_c0_seq1; 939 95 2251 LEN=2843; translated
MKTVSVFV FASLLANAESSSLFGVRHFGKALGATSTKQQIGDKTVETQDAVQSQLCDAIK
LRGGGDGSI SGPICIGIDLGTYS CVGWRNDRVDICANEQGNRITPSYVAFPKDGSSSGG
RLVGDAAKNQASQNPTGTFDFVKRLIGRNYDDATVQKDKKLPFEVAKDKNKPIVRLPK
EIGSKFPKSDFTPEEISGMILRKMKETA EAYLGTEVKHVVTVPAYFNDAQRQATKDAGT
IAGMKIERVINEPTAAAIAYGLDKQDHEENILVFDLGGGTFDVTLLSIDNGVFEVLATSG
NTHLGGEDFDYRLMEYICISQFKRKS GIDISNDKRAVQRLRKQCENAKRTLSTQTSTMIDC
EALSNGEDFSLTLSRAKFEELNLDL FKKTLTPVTQVLKDSGLSKNQVDQIILVGGSTRIP
KVQTLLESEFFGGKLNKSNPDEAVAYGA AVQGGILSGDAAEATKDVL LLDVAPLSLIE
TAGGVMTTLIKRGTTIPVKKSQIFSTYADNQPGVNIQVFEGERGMTKSNRLLGQFELSGI
PPAPRGVPQVEVSFDVDANGILSIGAHDKGTGKQETLITITSEKGRLSDEEIERMVQEAEE
FAEEDAKEKAKIQARNELEAYLYNLKNSVND SLEGLSEDEKQDQNTAINDGLDWLEDHP
AAEKEECDSKQKEVESIANPILKRAYESSAGAAGGADDFLGEDLDGVDDGPTVEEMD

>comp4662_c0_seq2; 527 95 1504 LEN=1698; translated
MKTVSVFV FASLLANAESSSLFGVRHFGKALGATSTKQQIGDKTVETQDAVQSQLCDAIK
LRGGGDGSI SGPICIGIDLGTYS CVGWRNDRVDICANEQGNRITPSYVAFPKDGSSSGG
RLVGDAAKNQASQNPTGTFDFVKRLIGRNYDDATVQKDKKLPFEVAKDKNKPIVRLPK
EIGSKFPKSDFTPEEISGMILRKMKETA EAYLGTEVKHVVTVPAYFNDAQRQATKDAGT
IAGMKIERVINEPTAAAIAYGLDKQDHEENILVFDLGGGTFDVTLLSIDNGVFEVLATSG
NTHLGGEDFDYRLMEYICISQFKRKS GIDISNDKRAVQRLRKQCENAKRTLSTQTSTMIDC
EALSNGEDFSLTLSRAKFEELNLDL FKKTLTPVTQVLKDSGLSKNQVDQIILVGGSTRIP
KVQTLLESEFFGGKLNKSNPDEAVVRKRSIFTSCLYFDYNDIASDDTK

>comp4663_c0_seq1; 390 269 1042 LEN=1078; translated
MAEESSSSSSAGEAIREAALSAENAVEKCTANVAIEVPPAANA AEGAPAAVNSAGEKRKL
DEGDGEDVVDTPSTSIKEVSTDDAPENKPKKAKISMPPPVSSSLTDVEKYTLECPPPSDN
TNEADAKTKITTPNMLFGLHPLIQELPLQKFL EDYGKVLAITVRSASFASRYGHVTFETV
EEARKCYTSINGAKLLHKAFLVQPSMASAAPKASTSMDSKSKESKDTETTEVNTISTDSA
GAAAATAAATATATPT

>comp4665_c0_seq1; 177 231 422 LEN=502; translated
MEAMSVLLKSNNETSAELDGTDTMDVDGSDGEIDGLEASGAAA WSSLVVLFTSFMGASF
LGS

>comp4667_c0_seq1; 113 1 697 LEN=1205; translated
XNKNNRFLREGMILRTKESGGSNSDYTSRELVERLRSGPYPLEIGFQNLAAAGGDAISDLG
TSIVTPKDALDLAQKTETPSAGGNSGKARGVEYSITTTQQKPPSECAIKSRRNDVLEIEY
EASYVADENAKKVIYDASAFRGTGNRPYQMVLSGDMIPGVDQGLYDMCPGEQRVLKIPP
VLGHGPNRRRLYRIPDKYVNLWVGLVTIDSTIREDNNVSRDERESRFAY
>comp4668_c0_seq1; 268 409 1143 LEN=1321; translated
MAEATQKRRLEQGKEEPAGLDSEWNKRMKERLERIKNKKMRDTSITVMQRGLSFSNTKDN
KQTTNFDEEGNIVTSGAGRIREELSQENGRIEFLTGKDAGTVEICVQSI SASPKRPARLH
VMVKDEASDNEFDDDDAYYDDDDHVSDSKANTKKVKDPDHLEHRELTQTMTRLERDLQSL
QNRKACINNADFNKDQEHKFHEQSVSMNRATKYWPIIQILVILILTGFTQANHIVGYLKS
HRIV
>comp4669_c0_seq1; 149 214 369 LEN=1194; translated
MAAVPDAEAMARERRKESFEYTRVFLGKRIKCTLTDGRTLGTGTFICIDRL
>comp4669_c0_seq2; 128 214 753 LEN=781; translated
MAAVPDAEAMARERRKESFEYTRVFLGKRIKCTLTDGRTLGTGTFICIDRLKNLILTDVL
EERSIDPSDYKHRVGSSEPESTEPPTARCFRRVERKISQAMVPGXAAGAGRAAPRVGSYGS
VVPAAVLETTDAPVMMGGGDETTGGTQRGAALCDEWHATQCDATQGMREKQSRAPPCTV
>comp4669_c0_seq3; 113 69 418 LEN=871; minus strand; translated
MPCVASHCVACHSSHNAAPRCVPPVSSPPPIITGASVCEHRGRRHDAVAAYXGEQLDP
HQPLAGDHGLGDLALDPPEAAGRGLGARLGRPDPVLLVVRGVDGSLLEDVGDQDQVF
>comp4670_c0_seq1; 600 75 1121 LEN=1291; translated
MYSAFFVVAIFGVIVDAVAEAESAPLLSIYKTPALMEIQFASENEFSADDIYHIEESA
ALYLQELLTNDSESLRFVEEQDSMIDVSVNVKTTQQLNGNEISLNSEVDVIHYGEVGIADLA
ALLTFLVNRNNTDSSLIYLDQVVNADASVELISFDQVSESI PMATDLTRMSSYSELANAK
ESKRTLSFVTTLLSITLFGMSAILIIVGGGWLVLRRKKVKALLDREEEFTRMTMNIESKP
TAETDSGDDESPSKEDMNKKKQGPLAVYGIIVKTTTPPKMGSESNPDDMATPMSVMSDYS
TNRAPIGIMSMRKLVPNIQRDDNESESEGEDEEQQNVERGFGSMKKLQY
>comp4671_c0_seq1; 197 951 1875 LEN=2601; minus strand; translated
MPI SNARAIPPPTVPDPPIHVSLLCSARSVPVLPPLPLGVFKRRARSGRGGRTAARRLPP
CSDSGSDSAAPGGPACTAASATAAGVLARAHGPRPRRVVRAAAGCPVGRGGTGS GPAGS
HAKASHRALDLGRVLPPELVEDVLLVLLVQDGVLRRYRVAGDRAPPVPAALHVAASA
VAVAVAADPVPVAGSARVDADGIDRGDAEVAAVGRVGGEEAAGPPPRVPLVVEVARV
WVRLWIVRLGDAGGPSARVAVAVAVAVAVGNGGSGLSVAQLPMGAGLVFKATVPAATA
GGTESLG
>comp4672_c0_seq1; 295 295 519 LEN=519; translated
MGKKKDDSSSEESSDDSDDESDDSSDDSDSDSGSDDSDSDSGSDDSDSDSGSDDSDSD
ESGSDDGSDDGSDDG
>comp4673_c0_seq1; 365 1 846 LEN=941; translated
ATAAEPAASIHVPATLADGCRFPLASFGFLQIYDDSTAYKLTTLTALECGYRNFFASVLAGN
QKGFARAIKDSNPREDLYICGSVVSNRVSGFENARQATTKGWKRNMEAFVGGIDYLDQ
IMLDYPGPDCESIQQOWTAFEEMHAQKLTRISIVSNFSARQLDCVLEKARVKPVVNLQPY
SVAYHPGDAVADNASRGIIVQAWAPLGGSLGGRFDKNVKKACGKIGKKYDKSFAQVALRW
IVQSGSFSTTQSKNKDHFSEDLNIFDFELTEEMKTLNLSLA
>comp4673_c1_seq1; 140 141 403 LEN=403; translated
MIFSKRATAALALCSVLLVSN SPLGRALSTKSNQSNQIQTHGSGVDRRTAIQRAGIAA
AGLGTVTGGGLFLPNASPAVATAAEPAA
>comp4674_c0_seq1; 179 720 1172 LEN=1585; translated
METGSELSKTVATFIVQKILLEETGLNYVCATAERFYAVSTVLANMVHLLQVHPSVRLK
HVRCYLRLADHPRAREALKTCLPASLKDGTGPHLHNDLTVQKWSQLLTIVGSDDGDP
SGDNGNNGNDNTNPLLTQPSSTGYLQKDSK
>comp4674_c0_seq2; 268 120 1109 LEN=1522; translated
MALTSSSNSSSHSLTSGPNSASGGGMDLPLVQLTNAESREVLLLELSKKRETFAD
LAPILWHSTGTVAALLQEIVSIYPLLTPTLTAHASNRVCNALALLQCVASHADTRQPFL
AAQIPLYLYPFLNTQSKSRPFYLRSLTSLGVIGALVKVDDTEVISFLLSTEIIPLCRIM
ETGSELSKTVATFIVQKILLEETGLNYVCATAERFYAVSTVLANMVHLLQVHPSVRLK
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>comp4675_c0_seq1; 430 115 1662 LEN=1759; translated
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>comp4677_c0_seq1; 557 1 1629 LEN=1975; translated
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>comp4678_c0_seq1; 204 308 2023 LEN=3265; translated
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>comp4678_c0_seq2; 252 308 2341 LEN=3134; translated
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>comp4679_c0_seq1; 633 256 2045 LEN=2188; translated
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>comp4680_c0_seq1; 653 1 1629 LEN=1629; translated
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>comp4680_c0_seq2; 668 1 1608 LEN=1608; translated
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>comp4681_c0_seq1; 152 370 1662 LEN=1737; translated
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>comp4681_c0_seq2; 136 370 1104 LEN=1852; translated
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MFPW
>comp4682_c0_seq1; 322 189 1004 LEN=1079; translated
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>comp4683_c0_seq1; 326 218 1433 LEN=2252; translated
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IEALQAENYLYIITPWCGGGSLSDNLPLSPNDRYSVEDQARILFQQI
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>comp4683_c0_seq2; 332 218 1478 LEN=2297; translated
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>comp4684_c0_seq1; 246 175 1239 LEN=1606; translated
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TERNWKQSLKICVLTSCDNTDLGIFLFAIIALVWIVVLLFIRNPVARRKGI
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>comp4685_c0_seq1; 464 338 1441 LEN=1717; translated
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KDNVQSLEVVAGESSLLSERTCRRQRSKIAFGQNLLSASVATARTLQFKSQNDNSKAD
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ILSVTFL

>comp4686_c0_seq1; 259 252 671 LEN=927; translated
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>comp4687_c0_seq1; 414 190 1029 LEN=1221; translated
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SYEDPFNTWYMLNNSPTIQIAFWVYFFSIFFFYNFFAVMVTFLNNSVWHAILDNFRPITVW
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>comp4687_c0_seq2; 559 294 1526 LEN=1718; translated
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DSDGSALVGIILVLFAGAFVQALQYVFEEKVLTMDIPAPLLLIGMEGLWGTIFCVTVAYP
LVYYLPGDDHGSYEDPFNTWYMLNNSPTIQIAFWVYFFSIFFFYNFFAVMVTFLNNSVWH
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>comp4688_c0_seq1; 489 310 1260 LEN=1371; translated
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>comp4689_c0_seq1; 401 277 1197 LEN=1281; translated
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>comp4691_c0_seq1; 303 1 1311 LEN=1839; translated
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>comp4691_c0_seq2; 348 1 1659 LEN=2187; translated
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>comp4692_c0_seq1; 801 1 2445 LEN=2997; translated
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>comp4693_c0_seq1; 249 387 1049 LEN=1179; translated
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>comp4695_c0_seq1; 203 145 621 LEN=1045; translated
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>comp4696_c0_seq1; 220 9 377 LEN=907; translated
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>comp4699_c0_seq1; 234 253 993 LEN=1011; translated
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NVPWSSRDLLERTWAHDISDRPCMKA VCKELELMIDTVEKQALPLVERSLRAVFEAKLL
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>comp4701_c0_seq1; 971 404 3040 LEN=3229; translated
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AELFETVEAVLEPGVTPPEVSSKVNFFVGDACKIDELSSVKNGGKTTYDGIIMSNLLCRL
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>comp4702_c0_seq1; 577 571 2439 LEN=2793; translated
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PSVLPTPAPSLPTDACLTPNDRRDGIRAAALVGATNATLVDDPFTPQGKAMFVIIAGDD
LKLCPDDPKIVQRWTLAVMYSTNGDSWDQCFDGDSCATEMDDVGNLSLVNLLSPVDECE
WFGIRCITLDDGRRVERIVYEDNNLSGTIPTELGLLEELKVLGMEQGTGGRIPSELGR
LDNMI FIDLDFNELTGEIPSEIYQLTDLQTLNLVNFNGTLDTRIGNLKSLYFFQLQNN
LFSGTIPTEAGGLVDLETFNVHRNDFSGVIPSIGICDMREADPVKFKSLIADCQCKGRWGK
KNPEKVECPCCSGCGCKNEKEG
>comp4703_c0_seq1; 225 71 478 LEN=789; translated
MGKGSNVQKAQQARERNQKKGKTKDEERRAASNKAKQDACAKKCI VCLQTFMVNSRPPLL
YQHVVAKHPDMLADPTRCFPELVGYDPSDPKGEKAAAKAKQEA AAKKKKKKGAGGGMDDL
DSL LNAGLKKGKKK
>comp4703_c0_seq2; 120 71 337 LEN=1176; translated
MGKGSNVQKAQQARERNQKKGKTKDEERRAASNKAKQDACAKKCI VCLQTFMVNSRPPLL
YQHVVAKHPDMLADPTRCFPELVGYDPR
>comp4704_c0_seq1; 236 89 625 LEN=910; translated
MVKHGRNKKRRRAGRIGKTIKNSGNFKRWDPDLHKKIKNPTVREHWDPKSFSTANLAAIG
LVGNPNSDVRNTNPLQKPKAVTDVSAIELFDIPDSDELAEQKEKRCPI NEEDEDQKYIAKCM
SKYGV DYGRAF RDIKINMQHTENQLRKL GARFLLSSDQRIVDVPEKVKSLVSTDGA
>comp4705_c0_seq1; 242 501 1217 LEN=1899; translated
MGLTQTKLHHRVLQONWSAIRRRLQTS DGRVWVKTKNPCGDLPLHLACYGGQTPPFV VRA
LLQAYPEGAHVRNDGGFTPLQLARVNYRTDHPFREEVLEFLEVYTN GNANTPEEQEEDLI
SLSQYDDAKPIVSYQTSATCVICLEN EADHVVI PCGHQCLCGDCAKKVLAVGRSGNSNSN
NNNGNDHHEHTITKQRFPCVGRCKIAAIVKVSAPPACVEASAPPLCVEASAPPLCASE
>comp4706_c0_seq1; 1484 242 3274 LEN=3575; translated
MMILKKQRPVAVLAILSAATAFSGLYSSTTDAFTPVAPRQSTS IGP RNSSFCAQQRLVTGR
QLSKTNKVRSTATTALRMSSDDFNEQKYTEAGWAVVAALTKAADFYQTATVESPILLDLL
LNPAKHKAGDDAESARKAVERVLKDVKCDVKALRQELETHLAQQPKMQGDTSSQQKTMGY
SLPRVLEAARSAMSTLGDSFVSAEALLLGLVKEDDRFTTKAFLKQDIKYTDVSDAVVKMR
EKAGPIISRSAENNYDALLKYGIDFTERAE EGKLDPVIGRDEIRRAIQILSRRTKNNPV
LIGDPGVGKTAIAEGIAQRMVAGDVPD TLQGCKLIGDLAALVAGASMRGEFEERLKSVL
EEVQNSDGEIILFIDEMHTVVGAGAAAGSMDASNLK PALARGQLRCIGATTINEYRQYI
EKDKALERRFQVTTIDQSPEDTVSILRGLKPRYETHHGVRIRDEALLAAAKLSHRYIPD
RFLPKAIDLVD EACAKLKNELTSKPTILDEIDRRIIQMEMERLSLQSDYESGEE SQEAN
KDAGKRINVIDKELEELKNEQQALNLKWWMAEKGVDRIKDIKTEIAQVMLEIEK CEREFD
LNQAAELKYAKLPPLQEELEKLELAGDETELDEGDRMLRDEVIADDIADVAVVWTGIPPT
KLLSERARILSMGDRLRDRVIGQDEAVEVVTEAVQRSRAGLNDPTKPIASLIFLGPTGV
GKTELCKALSDFMFDTEDAIRIDMSEYMEKHTVSRLLGAPPGYVGYDEGGQLTDAVRRK
PYSVLLFDEMEKAHPDVFNIMLQLLDDGR L TDSKGN SVNFRNTIIVFTSNVGSQDILDLH
GDDSMQKEMMKERVMDAMRDKFKPEFLNRIDEHVI FNRLDKPALREIVKLEIRRLEKRLA
EKEITISVSDAALDFLTDIGFDPVYGARPLKRTIQKELETVVARGV LAGEYGDGDI AVD
AVGDRLEVYKTYDGGYNSNNTGGGYEADYGNPAGYQEDFSETPPFN
>comp4706_c0_seq2; 432 242 1168 LEN=1266; translated
MMILKKQRPVAVLAILSAATAFSGLYSSTTDAFTPVAPRQSTS IGP RNSSFCAQQRLVTGR
QLSKTNKVRSTATTALRMSSDDFNEQKYTEAGWAVVAALTKAADFYQTATVESPILLDLL
LNPAKHKAGDDAESARKAVERVLKDVKCDVKALRQELETHLAQQPKMQGDTSSQQKTMGY
SLPRVLEAARSAMSTLGDSFVSAEALLLGLVKEDDRFTTKAFLKQDIKYTDVSDAVVKMR
EKAGPIISRSAENNYDALLKYGIDFTERAE EGKLDPVIGRDEIRRAIQILSRRTKNNPV
LIGDPGGE
>comp4707_c0_seq1; 434 336 1072 LEN=1902; translated
MTSPVAHQIHLALVAXPRLGETKEKPKPKQKSNSATCTRSNKLQTAKPFAMFDIIQNSE
SCASSFEARLIKKYWSKQNEHSLPSFLGKIHLLEDNSKQIECTVARTQENANNTTPKEEMK
NDIMAGYSKIAKDNPWWEQETCDDHHA VPFH SKEDEYHPPAVEQRDEKDWKVCED EETK

TLSTVQEVFDANVNHGSGLSSEGDSSSTITSSSAGAEFKLFDSEMSVVTDESSMGDDDYNK
EDKDE
>comp4707_c0_seq2; 456 458 1042 LEN=1872; translated
MFDIIQNSESCASSFEARLIKKYWSKQNEHSLPSFLGKIHLEDNSKQIECTVARTQENAN
NTTPKEEMKNDIMAGYSKIAKDNPPWEEQETCDDHHAVPFHSKEDEYHPPAVEQRDEKDW
KVCEDDEETKTLSTVQEVFDANVNHGSGLSSEGDSSSTITSSSAGAEFKLFDSEMSVVTDES
SMGDDDYNKEDKDE
>comp4708_c0_seq1; 291 268 1164 LEN=1515; translated
MTALKIIRDFPCDLSDAPRTKRRKSESSLRHVMEGGSEVQKNQQQQNEILSKVAPSL
FVAHALAENGLPDRIDPLSIEYLMEFDYDDGFSFHDMPTVLMMAVKSGNVDALTRHYVTR
DRLLAQRNHGETLLHLACRLGVALVKSLLCDAQMSALVLDKGRTPHLSLCMAMDAKN
VRDVTNYPNCDQLESMLLLLREKSTLVVFQDKEGKVPYQIRQSECMKTNDHQRTHLLYS
VINEMLASEQVVERVVEEISSRAKSLRLGQRLSTIEKINTLLDFSGIEAAIMETGLSI
>comp4709_c0_seq1; 552 131 1312 LEN=1484; translated
MRVCTSSLSVRSIGTGEIAPSPTESKKEDTSSNDSSAKPFVVRNFRGFTSDWLHVKNKNT
KYGTAKENTKTLTKQRTGSTDSSNSESELEGEETDKSNFEASYDTTDLSYHNASEQEGA
KLVHQALTADEQSRMPDAYMPLRHYRAEKGDIKAIDAIFTLKWRKEFRVDNLVSSLED
DEAKKKGTYSNSVEIDDQDDEVDFAAILRKENETGKIYVRGYDKDGRAIMYMRPGRENT
MHEDNNMRHLVFQIEKAVRCSEKNGHGKICLVIDYEGFHMSKTPPMSTTRRTLDILQRHF
CERMYRTYICNPPFVFRSFYAMIKPFVDPVTKQKVCWVVGKKGMDQVVEDVGGPEKAAAQ
LEKCCGGSGNDVRDFDSEEMRLPLKIAFDEEC
>comp4709_c0_seq2; 305 175 865 LEN=1037; translated
MEEEFRVDNLVSSLEDDEAKKKGTYSNSVEIDDQDDEVDFAAILRKENETGKIYVRGYD
KDGRAIMYMRPGRENTMHEDNNMRHLVFQIEKAVRCSEKNGHGKICLVIDYEGFHMSKTP
PMSTTRRTLDILQRHFCERMYRTYICNPPFVFRSFYAMIKPFVDPVTKQKVCWVVGKKGMD
QVVEDVGGPEKAAAQLEKCCGGSGNDVRDFDSEEMRLPLKIAFDEEC
>comp4710_c0_seq1; 255 286 1035 LEN=1066; translated
MDKDRLWMPSSGLQKRREERTILSPHFVANYHSPTPTDSTVEKDGACIQDYGFQSSPHPS
DSFEVSLHRLPRTLNSEIELVFPEIASQAKREKREQAKHKKDECTKENTKRNDHKREYLV
IPTFHVTRFSILERNDRTEDEIRVFLRFRDFATEFKHRLSQKDPFSRLDIPDIDGASTF
SDSVHTNSAYDEVASTRSILGYSTFLYMGIIQIVQHPRIGYEKLAHTIVAYANCRHAAET
YLELLKKYQ
>comp4711_c0_seq1; 161 1 956 LEN=1275; translated
DGKAKDGKAKDGKKRRVLDDEEIGKGRIYLRSPYESSPVTVSSSPRNARRPETSVPPIVG
TSKAKTASISSLESTLDSIFSLASFVRHAVXACHIFQHGGSDGRVAESLSSTASISGSS
FAPSNPNHNAVRLKKFECTREFFGCEDGSHKCEIKEGGCGKDVPYGYPPDLSSVFSYCY
CPPQRDSKAAQNAVSSPYSESVRVGHTRGSRTPLTREMRFDHGRNHTSSNVTDIPTRAS
ADSSIVPHTNPAVVARYERCSEFGLVWDTHSVPEGSNRDQVAYLPGKYGNGLWGTSSGA
CVLGNNISERGRVRPTRN
>comp4712_c0_seq1; 432 254 1264 LEN=1457; translated
MEEIDDQAMLRVVEHLIEQFVGREENEDLKFELMMLVLRDPSVVKDFSVTTLSQRATS
FAMEIDDAATPREVHKQLIERFVGREENKALKRRIKELYHRFLPSEYWEKYGFLPVDPM
VVQDVSIRASNKSFNRKLERVMSIDYLFVFDQPEAEFDGDCNSNYDYNRRVSIKSNRAK
NESGTKEYFCGEAAFVDTPRLLPKCTINQLLREDTVIEVFDETSDTPCPASNVSRLLD
WHYDPRLAEASDNSPPGGWTCISIFLEKNIDDFDDCCCNLRLSVEIKFEAGMKLLHHRDG
FSYENLSDVQTLGDIRSGFDGEVVDISLETYWLTP
>comp4714_c0_seq1; 312 146 787 LEN=948; translated
MSHQITNDGAPPPPEASGSETTAPVANKLEEDLKKAPRVMKHMNDHGDLSLVAYVLAFIG
VDDPSRTSDNQPHQAGLLAAVQNGSLAIASARLTDVVRTDGFVLEVLVEASAPGSGEPPG
PSVLQGVLPYGRPLSGARDLHAAVELHHSAAHRLGVVYKARSGYYKGSVAALARRVLG
KPKQRSAGWALVAAATAAIAAVARRPAAAA
>comp4715_c0_seq1; 356 450 1689 LEN=1689; minus strand; translated
MTELFPPASKRAARLLTIGALLTSQVASAADSSQGVSLYDFVEYTTLQREDITGLYLTMG
GTAESENNCFGGQYKSMHNVVHTIEPVYFNTATDTTPLITVFTYPEGLIQEIVFGE
ESGKFINLQYNLDLLKRKDETPKTDGPDGSGVATTFPKTQSYGVWIGFPFRQLEQVYLAG
DIVVRIKEGFTNMAASLVATDRVAEAIARPPILDTLESENSNPDEAFANRTLTVVTAARN
ASVTLEAGHERPKPIEAVASGSADLSIAGSVEHIQCTDNAVCIVDGKVSYGNCTDSFVAG
NATLETDDCSCVAIVTAANASSPINGVSDPGTPKIQRSSAFGDEFFIRTADTANCLDT
TYVPPVRAVTDGPSTTHAVFSCPALQGMLEDETGFSTKENPHGGMSPPAPFSX
>comp4716_c0_seq1; 514 1 1636 LEN=1867; translated

XQVSQTELWSKISKSRYPNHVRNVYEIDDPKVVVFFCGFDPYRCRVPVGSKTEGGEGS
DKTAMTPVPGGNQVMGGNNSALKVYLYSRQSGRLIKVRNDPRNELGLTGGSTDFCQGMV
IIDDYNGTLPNPTKQDTAYGHSKHGQIHASNVSEWTAIAHFYWNYYYYYRLGDSKTAIR
EAVLETKPSLEEAYRHYQDREQIEEDNDFVSI VPLCKGTFISYDNVDFTLRNYRQVATIR
CNKKWRETAVPKIARHEVVRFSEEFVASATKRRATAKRRDITDLAAGHRVSRQVTSLE
VVGPPPAKRLRSSHHDEARIDLRLDDNNDGGGGGENDHPQQPPNGDQAYGRVSDGRTES
FEERGRQDGGSHPQAAVGFQVQHLHQQLQAWYDNRLEQECSRWRQDAVLQQECQNL
LAKAANERELYDLKTFQLKARGDVERLVAEVEHLRNRGAPPQHQPQFSPGGPAAEHAQV
DKLRREVQVYKSRAEFYKKEETESKKAQIENLVQERRRFEERVQELEDAQLDDNGGSNPLE
SIVTI

>comp4717_c0_seq1; 108 128 430 LEN=547; translated
MTMIRAFARTRALKGPARNVDLMTKWWGKKRPAEGQITRSISAHEQYVVGPPWLKTFPQ
KVVRAPTYIIYPGGALALTYGSIKWASDATAAEDYSHRP

>comp4717_c0_seq2; 135 128 256 LEN=683; translated
MTMIRAFARTRALKGPARNVDLMTKWWGKKRPAEGQVSKH

>comp4718_c0_seq1; 285 330 1118 LEN=1491; translated
MKSNIPIFSSADEDILSGSSGGRINSAFSRNEFSRVIYIDRIFQQRGRNNQORDHEVKIR
ASDEECQALADR FELKKIETLEARLSIRPATEALAAAGTSGGGLPVEAEGTIEAHLTQTCV
RTNEEFVDFVEFPVYLIVKPVTSNNKDDIELMIAQQQEEEEAEAGGKKKKKKKFKPKKDD
VFHQNKTYNLSDFLDQSAIQEADFGGAGDGLADTVEDEAIYSLSSDQLDVGELIAQTF
CLELDPYPPKPGTDPVSWEITG

>comp4719_c0_seq1; 128 1 534 LEN=605; translated
IKVNETKVIKISGVTKAPIRRYNRNKIMLPLSMLNVAAETSTPLLVKGGDTYNGRLVS
CDSWMNMLTDVVCSTSKHGDKFWKMPSCYIRGSAIKYLRLPPDLLDSTKQKVQEDERRNK
IMREQNNGRGRGGRGRGRGRGRGRGRGRGRGRGRGNNNNYGGGRGYNNNYQK

>comp4719_c0_seq2; 177 555 890 LEN=961; translated
MNLTDVVCSTSKHGDKFWKMPSCYIRGSAIKYLRLPPDLLDSTKQKVQEDERRNKIMREQN
NGRGRGGRGRGRGRGRGRGRGRGRGRGNNNNYGGGRGYNNNYQK

>comp4720_c0_seq1; 280 1 688 LEN=999; translated
XAAFFPSNDWGIAHTTKLSNLSIMSILEYNGAAI IAMQGDGCVGIAADRRLGAQLATIA
TDFTKVFRMSPKLYVGLGGLATDVQTLHQLEFRMNLRLKEDREMPKVFVSHLLGQLLY
EKRFPGPYFVEPIVAGLDEKTGEPFLSGMDLIGAPVHTKDFVVTGTCTGNMYGMCEALFKP
NMNPEL FETLQALLSSVDRDALSGWGGIVHIITKDAVITKELKGRMD

>comp4721_c0_seq1; 824 711 4179 LEN=4739; translated
MHVYDRYVHRITLSQOTKLRRSISLANSIGDHRVTAEQYLLKINECLRDIDQPLIPSTIN
NFLNRRFVLKKEKEIIDIFLDCDATTNLVCHLKLALLVYKIKDHGFGGQHRTELIQIL
AVERLAALTVYSRVIVLHALQILKLRANPRAEYVWRNILLNSTGDDLSDIKTLTDAKGDY
YCMSKLIYDDIKSETVRHDILIHMRKEGAMQVTRRHGPTRRGPRRRYLMAWRKILSDVDD
TLLSSGGHYPAGIDKRYPKKVYPVGLAFYRELDLIGISGPDW PENRVGNLVFLSARPHV
YKDMSEKSNFAKFEKLRAVGEDGRRGMHTTPLLGLAGDLASGSQYITNDFEPLAQKKFEN
FKRYVSIYPEYQHIFVCDNGQGDVKAGEMMHDNFPYEQATYVHLVQARERTYGYNPERW
KETEFRCFFRTPYEAALHAATQDPPLIRMNGLNRVCSDAVKDFNAVPNKKWQSPKQKAE
RRAELNQS IWKANKTLANTDAGVVCLIKAEERLWEDGAKVTRTPYNGTIRGFDPEFDLYDV
ELDWRPLDVQVREHVRNIEDETIRPKQKETEKRSSSVLETVVETDEVTIITEGGDETGF
EGERTNGDENDRSALQGLTVTCSTTPEDYAAPENDKILNSISIDSESTTSETESDNHA
LGTNSSLPAVKTAIAGKASRRGKEPDDSFKATAKICGRSISKFIPTLPTFNDKKGTPLF
SFWVPNPRKRTGEKSTPYGPGVVVDHRIDQKVVVDMVGWTARAYLNEDDVKVTKESLL
STLFRQAISDIPSPKYDHFYIKGSIIRTPYGNAEIVPLPIPNDNSIDSNDTENKI
ICLGVTSWTLADGSHPKLYSTVKACQTKWDAHEAKGIFSAFGTLVSSINREIKDRLTTA
GTQKMKDDGLATPKFKQYRDSA AVSTAFNGRVMKFRKSDGFYCVCLSSWKL ANGRNPT
AWLQENDVSYQIARGCKEYGPVLT KMGVSGILESVQPTTGIHIVSAPSARMVLYLQPEAI
CRGLKAAVGEDVLTAYGEGIVERDYKVNNTYVIKLNWGNARIYAKAETFDRLRDSMRDRD
GAFGMDWLLRFFSPSDSIHQGTRSRSNSVSGTSTSVLSLKTIRGSSDDHHELDKQPQE
WDDFLIISDCFNAFM

>comp4722_c0_seq2; 224 267 779 LEN=1075; translated
MDKAMEKLEPVIQKVDNFIAQYPSVTQYEKFKDLEEKTYGPKALFFVGMCSLIMFMVIVT
GGMKLLSNLIGFLYPAYMSFKALDGGKGVGDATQWMMYWITFCSINLMDETFSFLSSTI
PMYFIFIKIGLVVWLYHPKTTGAQIIYSSGVRPYLMPMEGSSVTTGTTKD

>comp4723_c0_seq1; 225 115 618 LEN=865; translated
MNRSIPSTTILARAACLLVACSVLSDSLVSALSSPSSLKIRVCQSGCLGKCRGAFDPLE

SFEKLAAGTGDSDGIRLEETFCMNQCKRGPVNRMINADNGNVLVFDDAMNETEAGRKAFO
GVSNDGRVEHLWGIANQLLAKGASGSPMEGVAEKGSADKLNNDIMPTK
>comp4724_c0_seq2; 375 1 1229 LEN=1319; translated
XTCKTKGTTMAASIASARVISPSRAEGQDQDHNGIHGLHLLSNVVDTFLLHHDNAKTEQSQ
YLPIESRHYGVPRVSACPSPTEDVLGRRINAFVSSQDRSWSIEHLKSALQLPVSHPNF
RFRNAAIASFSEMVSNCPPPIAIGIDGLKFIRSNLVPPSPPISPQDASLHEKFPPIRHSQE
ILTQQAQGLAEDPTLDASLKRKQNFNANRGLRKRKIKSAYKNCSVREVKKTSPALKTNC
DGDGTKISIAELNYIKHKAVPMREKWMARFSELAEFKKKFGHTKVPHPNFPDSPKLAEWQK
FQRQQRKLFFVKGKHSQLTPEERVAMLEKIGFVWEARIDAWESHYQNLKRFKGSNGHLYVPV
ANTVLSQWVKRQRKQYKQYKQKQKQESSLTTDRVDRLNQLGFIVDGRNVTD
>comp4725_c0_seq1; 213 1 572 LEN=752; translated
XDNDNDNDNDNDNDYDEEEDSNSNDIDEAKDLSLIADAEETNRKLRDRIGRLRQAIRS
IRSMEAIKKGKGMVEEYGLRVEADALGEDLRFLEAKQEGLETFLFELHIQRLDLLRLEED
LQKERVREEAKERCAPTPYGKKNERVAAGAECTTEAGRETTETETGARRSAGPCPMSASEP
SESGWQAWCV
>comp4726_c0_seq1; 151 236 919 LEN=1063; translated
MNQVECIDRRAINDNNSLERCKLTEILDRVLRMVHPENDPTESAPLRSFCHAEQQPRACP
LCQNTGGERFCNASSNPCGANPQPHRSNGHDGRDPGNGTERERPPVSARKVRFCHRVEM
MTRQSESVTIDSERLKPMPATVKSLEIVLPNTTRENPEGAAIDRLFRPPAVARGRISAG
AGHNRWASEEGNPHIDHVPSMPSRRGRNGRRKIGKDAGTGTRTNRRR
>comp4727_c0_seq1; 228 1 754 LEN=987; translated
XQYQHQQYQHQQHHEHDFGFTQNNVQDSSVAFYASSPYSHSDPHTSKAHNYGVPLAL
DGSYHP IAPTTEPSVASQNNPIRSSHYNQQPQCHSHPHHHHQNQWHGRDPTCGAPFAQ
IDTNHPVVSAGFPSSDTPAKATASHRSAPQEPGAEPSSSESHATERRSATKMLRVTVFGSGT
GGTDGDAPRKHDRSETSSAGPHSGAASKRGLIDAGKHAFLRGRGRQPQQGSTTTTRLTH
ADWCASEYVV
>comp4728_c0_seq1; 225 1419 1820 LEN=2088; translated
MQSSRSQAVPATNDPSNATGTKENPSALSTPSKPADHSTDTAESSVDETGRGMQQQQQS
SPAAAVTRSATSSGSGTTRELRRARILVTVKRTESYKRWLEENPIQRQAI IAGTATVTAE
EIVGKESSLPSSK
>comp4728_c0_seq2; 342 684 1682 LEN=1950; translated
MSTEAGQTKRRLSRNTIESEERLADTSTNKPNKGADTETQTGEPLRSRQQHGTGDGDKTK
NVGEQPGTIGEGSADTGAPDALGKVPDDTSHQNVVPGDGTROI IAVSANKNPTAFFQLA
RKFLMTNEMCDLSALEGAI VSAVDAAHLLERSKLATIVSINTSYVNVEPKRRRQOKSEEP
TSEAIKKEGVPISIQTSRNTMQSSRSQAVPATNDPSNATGTKENPSALSTPSKPADHSTD
TAESSVDETGRGMQQQQQSSPAAAVTRSATSSGSGTTRELRRARILVTVKRTESYKRWLE
ENPIQRQAI IAGTATVTAE EIVGKESSLPSSK
>comp4729_c0_seq1; 513 167 1621 LEN=1851; translated
MENLNRNASFTRESFGSHSVKVLMSDLSGKDRDKETVPVRFEDQHI I PKLEQRKKGSL
RRLKPF DSEKDERPSECDAIDFSSNDYLGLAQSTQQQHKVEELYTTLP SRYLGSTGSRLL
TGDSEFAQNLEKRLAKWHKRPSAMLCNSGYDANLSVMSCLSLNSTVIMDELCHNSIQMGL
RLSKGYSLRKFHSSSLRDLKRI LNEEHKNVDQPGKPAI I VVESVYSMDGDAAPLKDILDM
ALSYNACVIVDEAHGLGVLGENGLG LLEEHLNHP SLLCSVHTFGKAAGCHGAVVCGSL
NLKTFLLNYGRPIVYSTSLPLHSLASIACSYESMTGPAGRRLRRDRMRDRARLFRDLFAEK
ILKQGIRHTPGDLVPIGLVPSASPINALI IPGNSRCLFCDNLWIKSNRSIRLYPIRSPT
VPKGQERVRIILHAHNTEEEIVYLIDLIKSTLCLDMGIMKHHATGKVSPPQRPKR IHRPNI
MSKL
>comp4730_c0_seq1; 560 154 1326 LEN=1369; translated
MAFVMLSAQIVAFQTTSVTISYGR TSSKAATTVS YATTNTDSNSSDKSI SDAQRLLEKAA
QLRAE IATAEGKTVEQVEEEASQAR IQREKQE QKNREAREK IRQE QLEQKSQQQPTLQVP
VTFDDMVRQGARAVERAFHDGKTRQVVRFNLVGEEDGASSATEENQWPGGAKQMYRESGK
PLTNALLREVRAPT KRLDSFPEERRTNPQLKVQDIWDFDGTALHTAEAAEGPSADIQAMV
FPNTDTKYLN DIDEISQAMGKRLFLVNPFWRNIDSWGFN I LAPGAKKAENVIYGGTGD
DDAVPFEETYVLNVFSVRGEQCVALKAYPYDQWQLFAFREDDYYPNNEEYSTCIRLGSCEE
DPTSAIITELLNERPEFKETKTMRQMKKLG
>comp4731_c0_seq1; 228 117 681 LEN=681; translated
MADAFPAEDQGGPLLLYTDLAF AEERPKNLDRNQPKRDRSNSNAEIVGEACE SDGGGRP
GGDSRLVRAVARSPVFRERIGTAVSLNAEFFGDVSWPRMVCFVPGVCE SAETWTVQHL
ARICASKEWRLAVLEPEGHGLSDGVPRGLLRPGKWERVYGQVTAFCGHALEVDRMQKEQL
QFQRQQQQX

>comp4732_c0_seq1; 153 1 544 LEN=1156; translated
XKTTTKSPISLFFVTPVMFLPSTVTVVKRRSYVTLGRLSAAWSPVRNSRGGRLAAATESLA
HPGKRAMGTTIVEGVDFDTIAREWRCKWSAENDKQSLAELQKILNEAKAEIKAVKGVKSV
QRVVCGCLDFKVVVALEDSKFGWEESGFAPEESFLEKIKKIDGVSVVETQTYTLMPE
F

>comp4732_c0_seq2; 151 396 960 LEN=960; minus strand; translated
MDTKTVNKTDQDDGFRPTTVVIRHGERLDYVQRAQGNWCQANPEQPWNPLTDEGVEMA
RALGTALKEKILPEMRMAPIAAVYTSFPLRCRQTAAGIIGMSSVITDENNSGSDGNGT
AKSSLKVRVELGLSESMNENWFRSWSLPGADGTWGYKKEVPLNQFEVDPRALQPAETLLN
WKDSTADTX

>comp4732_c0_seq3; 153 1 544 LEN=1303; translated
XKTTTKSPISLFFVTPVMFLPSTVTVVKRRSYVTLGRLSAAWSPVRNSRGGRLAAATESLA
HPGKRAMGTTIVEGVDFDTIAREWRCKWSAENDKQSLAELQKILNEAKAEIKAVKGVKSV
QRVVCGCLDFKVVVALEDSKFGWEESGFAPEESFLEKIKKIDGVSVVETQTYTLMPE
F

>comp4733_c0_seq1; 431 317 1543 LEN=1670; translated
MNMLHNDYDDNYFLLINSFATPEPTNVTLSDIEDIDEYLPEQELIVDDSSSLPSTLS
HGEVGATIPDNEPVKNDGKSFVGATKNDTKESVQGNALSQEAIIGISVGGSSILLIAIAFI
MCCFCFVKRRVEEGNDVKSTKEIRSLDQSKNENNDPDDVESTDLASTDDVESQAMYSY
NQSYGDSGSVYTNNGSHIKIHLINSYNTSGNDSASYAYSLEPGIEASVVGSLSANAGGIS
KHSGKMPIREIPQVSMAASEGRENHSNNNSERQKQNTIPDFHGNTFIESAPSDLKLTASE
LQMLPSNLRSSDDEDESDRHEGNQKVTRKVLAPAGKLGVLIDTTVEGPIVFKVNEGSELS
GKVFPGDIIIAIDEVDTRAMSASAITAVMVRTAKQKRTLILGVDFMS

>comp4734_c0_seq1; 298 129 1862 LEN=2213; translated
MSEASSNGTTNGKSNSYDLASSSKNVVVRTTENWLELFLTTPKEYRFGQWKEKIADKSL
SGRILRPLWDFLSRKIPNTVAPNVLCLAGLGLLQAWYVIYHYGGAPTGPYPFFAAMVI
TVFFAVNSMVLVHADRIQRTPGLDFFKYATDSAATVFLCVLTIYCLLGGRIKDDKGN
VDTMLEIQWYAVQTTQLVLFVKHLSAFDRQAGLRFRFFSGPGEVIFTAVSLLFFRATIGF
DWLWEYTRLAFESSLLKVENHIGEYGVDDITKTYNSITPFLLVKYAYYSMYLLAVTRTL
LLKDPHGWSRFLSASLLMRLIPALLYFHSDDIVRVGGDIGGLDTESLGGDVPVGMADV
ICDGLFMAVLTSDLTLAKMGGREIHPWVVLMSLAAVFSHSTILALVVYYVAVFADLCAY
LNLPLLTTCRNVYCDGIYDLCHVGHKMLFQNALTYGNRLYVGVGDKDANAYKRPPIMSS
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>comp4735_c0_seq1; 506 1 1064 LEN=1241; translated
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VYHQQQYQEDDLISTSSHNSYLRAISDITASASSKTDRVPTKAVDDIQIEIPYGHEAEV
EDYEEYDEDYRVFSFSSKVDNEGFRVFSFHPSNELILQAMEGASLRKVDIEQATARALS
KINTVTSKSRQETGSESRQRLERSKNRVLGYSFLLLLLVINGNSLIQSLSSSIGIDDF
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>comp4736_c0_seq1; 472 1199 2842 LEN=2860; minus strand; translated
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RIAFIDKYLAVVVKPYGMPVHKVVDSP IAAARPAANIIGTNGVADINDHSRSGNCGTDADK
EKDRCDNDIAAKTGEKIVSMHELLLHCGLLIVARTRPAARFLSHAFENRSEFLVKRYRAI
VHGHEGGDEHRDSNAAGFVRSPLSGKECCSEYRVVRRFEVDPAEENS PRDSNYENDDH
KKKASTAPRVPLTLVDLFPHTGRKHQLRRHMASIGHP IAGDTKYGNQSDDDARLLLHVPT
MLPQHNGGASSLDTSRTRTSDNFQRPRDGPALPLMLAAVEIIFPHPASTADKSLQSEVEA
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ISRHSSI

>comp4736_c0_seq2; 488 1199 2851 LEN=2869; minus strand; translated
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AWCNTSLQSSRSPFRK GKCDTQIHQFDCIRRKVTRTKEQHFRKRGTSTKDLIRRSIGGKL
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EVATSKNENRLDNDPLRRPAAVHRLDQPTYGLLIVARTRPAARFLSHAFENRSEFLVKRY
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VPTMLPQHNGGASSLDTSRTRTSDNFQRPRDGPALPLMLAAVEIIFPHPASTADKSLQSE
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>comp4736_c0_seq3; 519 1199 2950 LEN=2968; minus strand; translated
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AWCNTSLQSSRSPFRKGCQDTQIHQFDCIRRKVTRTKEQHFRKRGTSTKDLIRRSIGGKL
RIAFIDKYLAVVVKPYGMPVHKVVDSPIAARPAANIIGTNGVADINDHSRSGNCGTDADK
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PTYGLLIVARTRPAARFLSHAFENRSEFLVKRYRAIVHGHLEGGDEHRDSNAAGFVRSPL
SGKECCSEYRVRRFEVDPAAENSSPRDSNYENDDHKKKASTAPRVPLTLVDLFPHTGRK
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RPRDGPALPLMLAAVEIIFPHPASTADKSLQSEVEAPRAALESSIWEPNRDNGSHRTSDA
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>comp4737_c0_seq1; 518 280 2177 LEN=2215; translated
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SRLARQCLEGSIPCYAHNFFNYEYLEDVLRILMGRSRAANTTANATSNATTSNMDQA
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DNDDNDQSHSSNDIVAQQKPPPLSDAAASTLCGWICPELLAYAKIVSHASNLSQGDKQR
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>comp4738_c0_seq1; 651 491 2359 LEN=2693; translated
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SWNDWTVVEEGGYEIDGVP GASAYLPLDFSNVGTLTASDGSSNSQTADTRDQGSRLLP
TGNVRDAVVVDGQSYDVSLLDVANFVHVVDGRQLGLTGKEPSLEILKNSKFWNTVRRIRF
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NHAGIDFRSFVLFCDHPHKAYPGTASNATAAAALIDGTVVNDV LNNPIETTTLEPNKRTR
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LADGFLYLKPDTVRRWKEAKTE
>comp4741_c0_seq1; 381 121 1515 LEN=1562; translated
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DETGIRVSQYGAHLFHTVNRVWVYVQRFSDWTNYEHEVVGVEGKHVPIPVNIETVNTL
FGLNITTTTEEMDNWLSQE QVKEYEQPPRNSEEMALSRVGKRLYELIFHPYTIKQWNKEPKD
LGPEVTARIPVRNFDNRYFGDPYQALPTNGYTSIFENLLCHPKIDVRLNTNYFEIRDNL
RCKHTYFTGPI DAYFAHMGYKKLEYRSLEFERKVVKNTGDRGTFQPKFVVNHPSSDTNFT
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>comp4742_c0_seq1; 164 1 372 LEN=810; translated
XNDNGNDNGDGNNGGNGEPKSNWNKMIVTIVGAILGFIVVVLGIWFAHQRWKRGNNQKY
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ITSS
>comp4743_c0_seq1; 506 249 1481 LEN=1791; translated
MAFRELVNRCRGGVVKHELMALTGTTSIDDVHKALQDLCNEALAEATEAVNDETWNRL
QEEPYNIDLNEFFNGYGHNLNLETGNFRQYPSSEKRGGSERFLYIGEDPRLNDHYATTEA
SYLGGEGVNKFYNEEAKKFFLQAPTSNFEQGCRSNTAMCCWQRDRQYLDNRNGCGFNDCS
NQNPMDNTDLCWTEEDGTIFPYPGDETENDLHCHGFAWGNDDGGVNTEAKWNNLFFVSMY
DHLYQRYGVESITNDPKIAGDQVMCGCVEDMAPVARADCTEAI GLLNYTSYFDPKRLA
IKHVPDSFELNFRSCRGYDYMPFYQPKDYKANQNDLDLENSNNDLAAFVFRQYLEGKMTD
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>comp4744_c0_seq1; 686 78 1409 LEN=1737; translated

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IEIQLFQPDPELPTKGAKKYGDVKTDQAQKKQCKKTYKFLNFDPWNEATRYDDDDLCDYV
IEYPDGCKVKYEFEGFSGCIYPFMLCFALKASTDTVEVVYDAYPKALKETDFWIGNAYHY
AALYDAP IPIVNFLLTKFPEGIKTTNYGR TALHMGALYGCDENLIELLAGKYSKACQIV
DKDGYTPLHHACERGAGSTVVKALFGKHPAIVFHKAVNDMMPLHLACNSTSNVRVIRALL
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KRAPQDVLQLEKMMERLLVERD
>comp4745_c0_seq1; 290 349 1131 LEN=3016; minus strand; translated
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FPAALSSSSDFWRVAVIGSMAASLGEADVAVFNTAYRIMWIALIFVVSIAGAAAINMSIR
LGKRDPYGARQAGHVSIGMVVIMLCILGFFILLKNRWFGLIIFTNDEEFLSLFQQCSVPFT
ISLIFMNLSVAIERIPYSMG
>comp4746_c0_seq1; 359 227 1183 LEN=1413; translated
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ATERSLLEALRDGDDAVGELRDFWRAQPRNYRDGKHETEHERGERFREAAALGIGDPSSW
ERSREVLLESLCGEDPTFLQAFALLSKLYCLEGKLEDSRAVALEVLKLPWHFLAIE TMVA
TSYALNKINASVFWASRRLLPPGRAEQRSEWIDRAIGESLELEARIATLEVTGGDVTGGI
SFDWSSES DR TGDDDPWQ
>comp4747_c0_seq1; 257 135 680 LEN=966; translated
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T
>comp4748_c0_seq1; 501 59 2054 LEN=2259; translated
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TRHQICENEHQHRN ILPVMNARASTTDT CNPADGTICILDNNEKTKLEEEAQN NVKDDNY
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RRRERKREEQEARRCSNLPNQQQQLYSAENKVKSTKNEASSPKSNHARN DNDIKKQQDG
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LVHELYPDKEIFQLQGGIQRYLEACSEQPQQQEDNQEPHSNQQEAVDRKDGAIGKKNPGY
FIGKNFVSSLSLFGYLLLELIVRKICSDENFWIRGFHFNSCLCYSVKQMI VSTDFFR
PVHESKVFDP RRTDPVHFGETVGRCLVCAKPHDDYDNGHSPSDNKEARCNNCRMLILICN
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VFTK
>comp4748_c0_seq2; 578 59 1873 LEN=2078; translated
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TRHQICENEHQHRN ILPVMNARASTTDT CNPADGTICILDNNEKTKLEEEAQN NVKDDNY
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RRRERKREEQEARRCSNLPNQQQQLYSAENKVKSTKNEASSPKSNHARN DNDIKKQQDG
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LVHELYPDKEIFQLQGGIQRYLEACSEQPQQQEDNQEPHSNQQEAVDRKDGAIGKKNPGY
FIGKNFVFDPRRTDPVHFGETVGRCLVCAKPHDDYDNGHSPSDNKEARCNNCRMLILICN
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>comp4749_c0_seq1; 1026 614 2986 LEN=3353; translated
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SAYATGYISALSCR SYRIALSEDYNDYYTYTGGQYQREQRHDEPGEKRSPTIIGQETVLW
FDYVLDNSSDNTDDDDNDYDDYYSYNGEEENEQGEKEENNR SRRKLEDEGDGVQGDDEE
EVDQDYNYNSYNSHRGNIVLAKDWLAHSGGTLTSGCQQLLDPLDVFEDYVPSMDDGR
LVF SNLYYGPMCSDSNSNTTVA TVEMGIFLDSCHAHLPGLTYLLNHKVLSDWMTGVPVG
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QNDLKRLNSYRTL VHQLNYYYNRDP TDCSSHQDVCQGQILQKAIDLNSCRSVDQELETGAY

AYYGDQNGDDSTAYYDDAYNNDGQSKSQSGDEKSADYIDDNAVQEQAQNYGAFVEVDDG
IENSNDEENICYQIFQNVLEQYSSRFSSNEGDDANRNENGDEGDYDEQEDAEEYEGIC
YGILEMEIDSSSQGCSLENYDLSSSNKDDDETETTNTAWTLLQQELEEYVGIKDPNSID
LLALFGIALGVVCLLGLLAWGVDMATKRRGSGTGQSRQSAHKTKSRKSRRTKVTKESS
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>comp4750_c0_seq1; 401 606 2501 LEN=2769; translated
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ALLQIRNAEIERAKAIKLNHLASTHANLSTSMFADAEDFKTQSQEQWQEAQSRSSAAKE
ESEAEKDMEDAKLEESDIATKEQEIRDDLNSRIIFDRVVEDRRKESIAREQMTHYLKLV
RERRTQWREKKTEATHHVARAGWEALLASVAASCLLVVSSRILATFRYRQPLRWIVREM
PYVPQDLLYLNCWAWIFLLAMGYGGELLTAFHDRGFVARAAITILIALVAAAILQVTLHL
IPSVCALLRESRLDSGAIQPLVQEVVIRGIIIALTSALELLLCWCWGNIVFQRVHLFN
TFVWVIAVLCMSTFYWIVVRREHVHTRIDALSRFSNSGLLVQGGNNGESERYSLLTASDL
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>comp4750_c0_seq2; 401 399 2294 LEN=2562; translated
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KDRLKKAQATLELANAAQHHTIDTGICKWAPAVCNLINSGSSAATVTDEAIQANKDIQE
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ESEAEKDMEDAKLEESDIATKEQEIRDDLNSRIIFDRVVEDRRKESIAREQMTHYLKLV
RERRTQWREKKTEATHHVARAGWEALLASVAASCLLVVSSRILATFRYRQPLRWIVREM
PYVPQDLLYLNCWAWIFLLAMGYGGELLTAFHDRGFVARAAITILIALVAAAILQVTLHL
IPSVCALLRESRLDSGAIQPLVQEVVIRGIIIALTSALELLLCWCWGNIVFQRVHLFN
TFVWVIAVLCMSTFYWIVVRREHVHTRIDALSRFSNSGLLVQGGNNGESERYSLLTASDL
ERSQSSMSGYSEGSFYGATRKS LGTNLSSIGSPTSMQSIPIGRSTEPSEQEGDFGSLAD
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>comp4752_c0_seq1; 251 56 766 LEN=919; translated
MNAVNFPLIVTLLLFIFIGERAPVAKAFVVPSEQHNAVSAIRRTPASSQSTKLGIVWDPN
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SEMMELRGICRESRKDVYQ TALWFCEDLEDLIAPSSSEDEDEGQGDDEEGGIHLPVALVA
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>comp4753_c0_seq1; 276 194 1288 LEN=1523; translated
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LSYYERFTLFAPVNTAFLTPVVTLPALSVRDFLDTHI INRALS FEDLSRTCFYELETR
NLGETTTTTYCEIDGTPRYQVGEGNVASDRPEFLSRSFVNIRAGNGYIHAIDAVIKPSQFL
NPETAAPTSKPTTMEPTRTPTKSPTRSPTRAPSRRPTSQPTS SRPTFRDSEETSETTTEES
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LPSS

>comp4755_c0_seq1; 619 1 1291 LEN=1867; translated
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ARRYYDFDTKPYDFEVEIPAGLFSFGGGSGKNGSSRIETDTENDTKQKQPWKTRSMRFS
ALTGYLFLGIDRVLDPPTTTTGGSN AHESRRLDRSELAVPPTLDLTRLSEGQSHPGPVLY
DLVGGALCDEGDYVAVLKDHAAAAA LAERQVASNKNSNNEKDNDPKNGEGSDSDDEEDE
TWKLI EAETIPMSEL DVLEFLKGE GND DSEEDDDSDSDDEGGPCGTLAVYRLRTEAV
SSSSFSLQRHL PQNETVFDEMNRLLSDIVLSQVTGSLDSLSTDYIIEEEIYEEI IEDTD
DDEAEGEDA

>comp4756_c0_seq1; 437 88 1128 LEN=1415; translated
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WRGLGDQVGVCFNAIP SQVSFLNGPLVDGKEVKVKQRAKRV RSTQPESDAEEERPEDIKG
HTARGKNQLSAVKENIQNVERALVKKVDSTYRARSRLTETYGGKDDSSGKIKKMTRLKK
KIKRHRDVNAIELLFPNSFTQTVENLYHYSFLVKEGKASLDVRQNKVLDEESGLKIDGG
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>comp4757_c0_seq1; 485 363 1004 LEN=1303; translated

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>comp4758_c0_seq1; 454 197 1741 LEN=2322; translated
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DGVRSNFQGRNRNQKDIDLDFDETVEITIDELHENGEDALSLDKESLHFAKENFDFLFVDF
FASWCSHCRDLAPTWEKLAELMNDHHDYDNDLDDYTTKPEKAKTAKDHIEDSQNNRDDDGN
FQQVVVAKVDCVEHNDVCNEHNIQAYPTLRLFLVDGTPWMDMFAENKNEGTRKLSGSSDYN
GHRTVLEMIEWLHFVEEQVREDDGARTLHLAQAARNRLDGDKKAEDKKWNDPGIQKKK
RHHHRVRKNWKDAEHPGCQIAGHLLVDRAPGNFHIMARSKHHDLVPEMTNSSHMVNSLYV
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>comp4759_c0_seq1; 668 1 1758 LEN=2128; translated
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SGGEVEPPTSSEGERVSNTIEGLRMGMAGITEMSPSAETEWQELTASFSSSFVFNLDKDK
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FTPEFLVTAPFATQAERTAYVTLTKTTSTTDLANIKGVSETQLPVTPPPTSAPAQKDAIIL
TLPALIGIACGGAGLLILILLFAIYCRKGSVDVGGDAKSADEPPLHVDVKEDEVSTLAGPN
GPPTYGDQSVATMDYDYSKAYGGAGDTSVSSAGGTFGSNTQNLSPANAAATGAALGVMG
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>comp4760_c0_seq1; 430 736 1374 LEN=1476; translated
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>comp4760_c0_seq2; 545 83 1141 LEN=1243; translated
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DFNLQVELVNLGIDFGVVLMFLAKYDLGKQEELQTKVDEKISRKKEMKAVSKAMKGRE
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SNLVVVPYETDADDSAAPRSGGFGDRPSYETQPYIAKANGEDWEDIQQEISDAVEQSGE
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>comp4761_c0_seq1; 270 96 350 LEN=967; translated
MTSSENKTPDANKANANESSAPSAGATKQEAQEAIEEDEFEEFQGANWGTGEEDAED
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>comp4762_c1_seq1; 663 1 2427 LEN=2519; translated
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>comp4763_c0_seq1; 265 277 1864 LEN=2265; translated
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>comp4764_c0_seq1; 658 139 1452 LEN=1719; translated
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>comp4765_c0_seq1; 576 111 1310 LEN=1486; translated
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>comp4765_c0_seq2; 523 615 1646 LEN=1822; translated
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>comp4765_c0_seq3; 409 322 1086 LEN=1262; translated
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>comp4767_c0_seq1; 547 1 1760 LEN=1760; translated
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>comp4768_c0_seq1; 456 1 1087 LEN=1112; translated
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>comp4769_c0_seq1; 504 1 1470 LEN=1722; translated
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TTAPEGRSEL

>comp4770_c0_seq1; 229 187 894 LEN=1119; translated
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>comp4771_c0_seq1; 424 1 1072 LEN=1525; translated
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EVPGSPDWILAKVITLDPQTGMKLSDEDMESNKVFNLPESQVILERMKNLRIGDVVFA
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>comp4772_c0_seq1; 681 324 1985 LEN=2566; translated
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>comp4772_c0_seq2; 650 324 2435 LEN=2528; translated
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>comp4772_c0_seq3; 771 324 2267 LEN=2360; translated
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>comp4772_c0_seq4; 560 324 2153 LEN=2734; translated
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>comp4773_c0_seq1; 1052 253 4101 LEN=4243; translated
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>comp4774_c0_seq1; 537 286 2475 LEN=3671; minus strand; translated
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>comp4777_c0_seq1; 500 1 1094 LEN=1135; translated
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>comp4778_c0_seq1; 434 97 1419 LEN=1877; translated
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>comp4779_c0_seq1; 131 1 1325 LEN=1325; translated
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>comp4780_c0_seq1; 515 126 3019 LEN=3225; translated
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REPYPGLSE SFTGRSAHKNSKELPLPSTHLESKVPTDYQSFIPSNKPSPVSSLMPSD GGS
LAPSEKPSFHNNKPSADQDNRS LRKQAIRYKMPRYPRTDLDVTVRKEPDGIHLFFWRF G
SPH SKLGLCEGDCNIDDDCAEGLYCYHKDP SVTSVPGCVGTDTSRTDFCTIKSDQNSSVH
DESSRIDETA KLPVLSLKKLGQCEGDCNSDEDCAEGLYCFMRDGNVESVPGCSGVDNSRT
DFCTTKTVSGTNTSTNGPRI SNQVLIGDGAMPMLFVYPENPPDISNLPLLACQGD CDNS
DCADGLICYSRHGEETTVP GCSGESTQXTDFCVDPAYIMSPTFEPSRKASGPPAETAGRS
ENEPLEPTSPSRTWNAIDDLFANAAATQPPTLTPTS IPTQFIEETLAPTIPSPSPLIP
TSTIASPSQSQSSVSITVAIFFDPWPEEVS WKIESEEGDLITAVTAGSYTSTIDQTFELV
TVKPGKMYRFTIADAGNDGIAGIGNLYEIVMTENPDIMLLDGDGVFENGRTKMFYVPNTE
EYPTSAPTEPTISAPPTFNNTVNVYLTIVFDNWHQETSWEITAADDPTVVF AEAAYD TYRG

GEKITNEIPLPPGQEYFTFTINDFFEDGIKDG EYLLKSADGIILFEGNGDFGASRNHTFTV
PENP

>comp4781_c0_seq1; 763 1 1078 LEN=1228; translated
XEVEGMMMTDDESSIEVEPTKMT EEEAAKAEAKAKRKA EKKAKKKAKKEKKKKKKKAKKE
AKRIAKEKAAAEAEAKTSGNEDPPAEAKVLATAETNTIPEEESANKSNVTAEVDDKMAVG
EEAAGAEAEKNTDEEAAERTQADNAAIAEAEVLLAKQLDEVEAEVIDAERLAAKEMAEVE
AKLAAAEKAFAEAQ RSEKKNLVNTNDALKRDDVHPTIERPKLAAFAERAKSFKNRISQEL
EDRKERIGNNESAEQEPNGRSWRGRLSQGASVESKNEQTRGDESAEQQLKTSTFANRAKN
WRSRFGRGANNNSTDSTVASDGNSEATAGKNAINAFPKVLFNDGGESNSVKEPEIGSI

>comp4782_c0_seq1; 462 163 1845 LEN=2137; translated
MSSSNVVKVRKRRCRREMEDASDEQSNNERNVQGDEANRDNQPILPLEGVIACLSGFAQD
RKDHLHNIILSLGGRYTRELNL DKNTHLITEAAQGA KYNLAVSSDPKSIHIITSSWLSST
MESGQRASEMAHVLA STMDSSEGNQTQTRSSSKSSVLSLMDNALDEVVAPCDRLSR SFLF
EKFQFFLIGFESSPELKMKTSVLIRRGGTIHWDMNEEISILVLSDACDDAVQKAAKIVT
SHHPNIPPAVSPFWIIESYKGITLQPTANYPP IRTROPKLR SNEGQIRSSKRASEVTSRT
TSLASTASNVSIFRGCLFSSVRTSPTVELGSSLAMNPIIEFNQKEIDNLIKAHGKILCT
KLLDALRIDA EKSTSEIKRKCHVVCWGGSPPRLD TNPLVSQLKRHNLC ELILVTP IWWQT
CVSVKRRRLRPEYMPVVFVPQSWSMKSVKLRSEE VGGKRRQHSDAVTKLQISLTFGQSEK
AMLINLIRAIGGVYHGNMSSATTHLVFKNTATGLKQKKAIEWGLRVVSVQWLYHILEHGY
RGVHKDEVGCENRFSMGIDS

>comp4782_c0_seq2; 408 163 1961 LEN=2253; translated
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RKDHLHNIILSLGGXVRITIFIKFDIKPTAPTQIVACQTLALYSCAIQKLGKRYTRELN
LDKNTHLITEAAQGA KYNLAVSSDPKSIHIITSSWLSSTMESGQRASEMAHVLA STMDS
EGNQTQTRSSSKSSVLSLMDNALDEVVAPCDRLSR SFLFEKFQFFLIGFESSPELKMKTS
VLIRRGGTIHWDMNEEISILVLSDACDDAVQKAAKIVTSHHPNIPPAVSPFWIIESYK
ITLQPTANYPP IRTROPKLR SNEGQIRSSKRASEVTSRTTSLASTASNVSIFRGCLFSSV
RTSPTVELGSSLAMNPIIEFNQKEIDNLIKAHGKILCTKLLDALRIDA EKSTSEIKRK
HVVCWGGSPPRLD TNPLVSQLKRHNLC ELILVTP IWWQTCVSVKRRRLRPEYMPVVFVPQ
WSMKSVKLRSEE VGGKRRQHSDAVTKLQISLTFGQSEKAMLINLIRAIGGVYHGNMSSA
TTHLVFKNTATGLKQKKAIEWGLRVVSVQWLYHILEHGYRGVHKDEVGCENRFSMGIDS

>comp4784_c0_seq1; 544 1 1871 LEN=2162; translated
XKNTNSCQNGRSFAFSYTSKIMRPSTSSSEASEQAVIGSDNSSLGSDSDSEEGWGFLGGL
STESMASANWEKKEEEGISNTSGRINEPIESKNVVS VLPMGSSSREVPSYEVTGGESKQC
GATAATSDNIVEQKISQRAFCLSPNGQILKPPVQILDRSCEQKGNITIATSDIDKGQVIF
TEKALLGIQVVPSTTSLADTKSGMYAVRSCQLCFRSLESASCLSEGLPFSELWPIPEY
DDPTTMECVAIGDPNEPAVATHEYTRTKSGILT CRDCGVMFCNRF CASNH SKVVGDCCRC
TRAIKGVVKSIVSGERERRQLTEQYNNLDT SNSD NSGICNCGAEQEDFGDSEALVDIDP
VLILAAMFVAHVHVCRKNGDGFRGNDGDNEVASDTL FYG LCGQAEDVASLSLGSASIPS
SFSDDGDQNSK SPLPLLKEYNAIADAIELTEMERRSSSLCSLQQFQKIAAIAQRNSISLA
TGSPFRYYQGMIRKTTGGRGSSRQQQVVS DVARLLGAKDGKLT KDMDRIVEEKCVVKMG
IFTLTARMNHSCDPNAEIRAQ EYVDCNVDIVAKKNIRRGEEICISYVYLGQNP SNSVIAR
NRRQRELRSRYLFCQCSWCSRC

>comp4784_c0_seq2; 547 1 1829 LEN=2352; translated
XKNTNSCQNGRSFAFSYTSKIMRPSTSSSEASEQAVIGSDNSSLGSDSDSEEGWGFLGGL
STESMASANWEKKEEEGISNTSGRINEPIESKNVVS VLPMGSSSREVPSYEVTGGESKQC
GATAATSDNIVEQKISQRAFCLSPNGQILKPPVQILDRSCEQKGNITIATSDIDKGQVIF
TEKALLGIQVVPSTTSLADTKSGMYAVRSCQLCFRSLESASCLSEGLPFSELWPIPEY
DDPTTMECVAIGDPNEPAVATHEYTRTKSGILT CRDCGVMFCNRF CASNH SKVVGDCCRC
TRAIKGVVKSIVSGERERRQLTEQYNNLDT SNSD NSGICNCGAEQEDFGDSEALVDIDP
VLILAAMFVAHVHVCRKNGDGFRGNDGDNEVASDTL FYG LCGQAEDVASLSLGSASIPS
SFSDDGDQNSK SPLPLLKEYNAIADAIELTEMERRSSSLCSLQQFQKIAAIAQRNSISLA
TGSPFRYYQGMIRKTTGGRGSSRQQQVVS DVARLLGAKDGKLT KDMDRIVEEKVRYRLQT
SIADAIHCAGGPTGVREDLKRLEPVIDSSSFLTIIFLNLVLYLLALWCHKIMRSAVRCQ
NGRDIHADR

>comp4786_c0_seq2; 311 132 1703 LEN=1888; translated
MAMATTFNSVEQRVNDLLAPPVFNEDDTISKELLKLSLKERNALEEEIHGVRSLNPDET
HLVDRSLRDFDQKLLLVAAERQRTREKKILTLHGFDNSECFKSNDVLRNVRIYQNCNGQ
KSKITIPPLCDCYVNDPAIRLVFLRGELFDVEKAVRRFINFLELTSELFGDFVAHREIRI
TDFRTPEERTALRNSRQMLPFRDRSGRQVFCIGDCGTGLPAKLRFKIRMMLFWTTTKD

IQTQRKGLVFCWPSSSEILSKLSKSDLLYRQKFMDARPVRFVSWHICCCQDTPMCRAIGTL
WVSSRPDVRVCTKVHIGGLIETQYMLHGFGIPLDIIPLSHTGTIKTANHIQWINALHYK
LQEAEGGEEIVICPGFHDVLSRKGQRYASHPGNMKFRRELVQMSDLHERVPRTQKFQVTQ
SVLFKVEILGGRFLEWKSPSNVWIVTKDRKSIHAKIAFAFREIKRRKRLAAQKTRTSNGN
FNDDSPDLNREEVAGSAVDYSMQGYQDQKCFLFCRESAVHSNN
>comp4788_c0_seq1; 419 1 1246 LEN=1390; translated
XPTFEDQQEDAMDSANNNNDNDNNNNNGDEIAEPAMHASNGYTSGDVVKKLKAVLSLMAS
PLTDEVGSTRSVLSGLATIFLAGASIGLVTPGNPVLSPPYRSVSAAGYVYFLAWSVSFY
PQVISNFKRKSVEGLSPDFVVLNVIGFACYTAYNASFFWNTTIQEYKRRFGPDAEITVQ
SNDVAFAIHALVLSFVTFQCIIYYNYFYCPGPTGEIDRRTRTVIQLSRPVLAVIVGIVAI
CVGYPALVLLGKSSSSSKNDNLDVLLGDDDALARFNWLDFLYLLSYIKIFISLIKYPQ
VVLNVRKSTVGWSIWNILLDFGTGGLSDLQLVLDKANAKDFSGITHNKAKLALGSLIV
FDIIFLVQHYCLYSSAEPTIRNEQNEPLLPTTDSDEGEVQEVSEEEQSQPETIFV
>comp4789_c0_seq1; 573 249 1574 LEN=1766; translated
MNAEGSELRSNDPSPMSNAGDGGVRTPTIDFDDWAVDPFSLSKRIDVFSFAGVEEDAPN
ADSNRASFPSSGAVVGNKSTLTGTEDKKTLVANQKSRKRNHAAQSQGKQATTVSSKNAS
SAKKRSDCIPISRRKKKPKGMPKRPLSAYNLYFQAERTNIIASQQAENGPRIGFEGGLKI
VGKKWRDLSSADKKEYEKLAEKDSERYRREMDAYQKKKAKRFEEEEASRTPVVSIPSS
TSAQAAPFDLRFPKRQGSIQIVTIGGEGVGNVAFAPPEMSSVSSSLPPGTTTIPYRP
AHSAHVEQPQSRHALQQNSILEALNIASAVGGAVTRVSPPNYYPHQTVPDNGDLPPYTPV
HRNDNYPMQPGMEVVLADRNGIDRKYRVQYTCYSMTRQNANKYIESLTRSSNSSSTTPAP
PPPPPVATTMGANTEYGVWGV
>comp4791_c0_seq1; 269 63 455 LEN=740; translated
MIRATPFLLLAALAASANAASCPIPAVMPVTGDTCSSSGQMCHYAQKPDGTVCGDCDFWT
CNCVGGSFFCSCSGVGCNDLKTDEDSMDLFFNNVTSDLVEDFEMDSGGFVSSLGLAASG
VVLAATVAGL
>comp4793_c0_seq1; 243 1 833 LEN=1182; translated
XEPNRTEPTETKQNKQSMVSHCFQHRAIAGIALLLGRLSASSGLATPRSFPKLPDLG
PWEEAAAAPLPGESRRGFLGAALGVCLPLALGGAPSASLADEYGRETEAPTATGESFEIC
TKRGPLGACQKTEVRTASNDNDKAEKYFRQPTLVRRKDTEARTAEATEGNVLIERLKKQ
SEENSEKNELLVYQRTLLNDSSASFGPFDGQVLIILNEDGRGFLLANPQAMRLKKAGLIE
NNQKKFVRQPTKEELDAALAPEPAGPGFLDRFLGGGP
>comp4793_c0_seq2; 163 316 459 LEN=808; translated
MRLKKAGLIENNQKKFVRQPTKEELDAALAPEPAGPGFLDRFLGGGP
>comp4794_c0_seq1; 581 1 2270 LEN=2636; translated
XRNREKRDTRKSGSMKASAGKSRCKYLLILLCCGSYQLWMGFHGLGTNVPTNQNNDIYSDQT
EVSPFWRQQRQEQHDRNRISRVISNQSARGYNQGFDIGTKTVHSGSINGTSSAIQLRPT
KVKDTAPLNDTATKLSKEDHEKNNNSTDIETRITLDLEPPVDTSELSVEKKGEQEKTSNE
FGNESNEDTRKSNDEPAAPASDQSIDDKFDYDGFSSDYTNATEQEEHPTAGFIGQDAF
SGSWWQSKEQFLRYEEVENENPPSPEGASFDVMDINDDNMRVTRDWIDLNVEHMSRWFRG
LLETNRHNSNPQPTLERILEIFQNYVHSEDRLFWMERLEHESDRAKHQHNNHNIHNFDAQD
WLEVSQSTIAVIAIMPYGQYGGAEITKWSLAATMMSLVQLGVGRIIVSGNQDSYDQQSFV
QEAWQEVLEVTKSWTTSKQKRMTHSFCSCDKEILTDKANATEGENKTTATATTASLVES
NIPYAALRRLRYILLHRDDEFKAGKDKAEAIRRCWAGSSKGGQNKTDSDSDPMDQWKYV
FLGEPDLIILNTRPLALPKLAGALTGGGVLAPHRLQPLPHASDFGVNGLDLDLKLKLLIPNL
PPHFDNIAQIDQYERISNDDTHSSGNHGGDIHGHTKTRLSNHACCDAGNQKPYRQFETC
DSWWWNCAFTALQYYDDNHYEGALEALVESNNETYVLDLHKRHSVYPMVRLKRGTVVFA
GGEGRMCNPSQLGTCKRQDKTERNEMKENQSKKNR
>comp4795_c0_seq1; 87 201 641 LEN=923; minus strand; translated
MLSEQGSSRWDEEEEEEGTPVPFGTGLGSPKRSPPAPFSVGFRSPHGARSRSPHAGHPS
RDRSDSSERLGGATPSSTTTGTPWASVPRVAEGSRCSGEPFPGRCLREPHPWGGGQLEEG
PDLRELVARADLVQELAAPVGPASA
>comp4797_c0_seq1; 230 22 534 LEN=775; translated
MTITYNTAQVQIENQGTGQSIRSVKVLHKYSNVYRNSLEFTGRLQPGKKILMNETVEYNTG
FLTTCGDWWFVSFQMEDGSVYQSNPHNFRGIFDWVEQLGQKKIRDRPTGNNGLEKAACNI
ALSILNSESTVGFKKHILRAKDSVNTIVIKKDKIIFQSQSGNSVTGVMRV
>comp4799_c0_seq1; 204 119 847 LEN=1327; translated
MGKKRADGRGSDSTLRPLACELSLHRSDGSALWKAGSTHVLAAYVGPIAPQNMNNEGVDV
GKVSVVIKSGKADNGTYENEMGKFLTETISSCVDVSRFPRCIEVVLQIIQSDGSLGCL
LHGAVAALMDAGVDLLYLPVATTFLVRSIQSGANATTASKVRLDPTSAAAAEERDSSIIV

LVNEQRRPERILGSHTVSGIDLDELSCVQIASKACSAIPTFWRLAIEQKLRKRESQTLW
SR

>comp4800_c0_seq1; 245 1 1375 LEN=2080; translated
XASQALPLPQTRDIALGTTIAFGLAPSKAAKDRVTRYREEQNRPAFDLDRATELDPVLR
ESNRTESIDSNPIQFIPIQFIPIASDETESNPSGFLLAASISGLRTAEGRGTTAAAIPEV
LASSSPGGTLYSCFLATDPGGPPEREACCGAIAGARDPGGGPSDHARCLAEMAIEVPSGVS
LGGDPGDTARYAWAVPGDGSASAEQRLGRETVRTISPYHKTAVPVPGIETGLVVSRLGAE
GGMHRLFHHEITLPGTPAGDSGANPRYYLYVTVPSGMFIDLDDPFEAPQGGRIEPA
GGDASRDAGFEATCTTGPSAGTETGPAVSVFRARLHAAVCDIEQPSFASGQHLLVWELEV
LGASKPGATERIGFATKLHLRYPRPSPDGERWIDLPAVLPVDPVGGGRIAGWEDPVRVAA
GRDGDHDWIVAATVGACLVGVAAMVRDISGVSLWDDA

>comp4802_c0_seq1; 684 192 2015 LEN=2301; translated
MASLSLPPPRNSTGVALSSTKASDVAESTEMVVSADNDNERTEDFARPAKPKSNSAAN
NKAPTYHQCKAAADLSRLPPSERKKKKLKVPRSLKDFDDGGAFPEIHVAQYPRHMG
LKKKKGQVASSGAGGSISTSRIVNVEVDKNGEISYDAIVKGGTNSDKTVYSRYEDL
EAKPEDVALPSAAEEAETANRTQLALQKLLVDKLTALNKPSSAIAANANTSKDIEKNTQ
FYKYTPRPDAPGYNPAAAQRVIQMVPAQVDPMPKPKHQHKKAPRGAEDPVPVLHAPPR
KEERDQWNIPACISNWKNTRGYTIPLDKRLAADGRGLREHTINSNFATLSESLYVAER
RQEVRLRAQVQKCLTMQEKDRREELRRLANQARLERSAALGEASSAKEAVSDETGDRR
PQQSSISDEEHSDDRSQRQSNQKSNKVEDEDDVVAARQERLRKERRRERERELRQEN
AELKKRLEKERDVSEKIALGVHTGSGGAGEADSRLYNQSAGMDSGFGAEDEYNTYSKPL
FDRQGVTSASIYRPRTRGETEHNADSYDKLVKGATSKFQPSKGFAGAEGGADIQAGPRTA
PVQFEKS

>comp4803_c0_seq1; 303 359 1448 LEN=1540; translated
MDYGMSESVSDNIRAEIFTEDEYVPLVDGIIISQAIDDQKHLFQIDPRTLSNNTKVFS
LLDDPYKAKMKFCLRHTFFSGPESDNGSIPINYLESILTVFFDLRAAVYVGFVVEQKEL
FGSDRNNVTEKEGYEADGYICHPEYERMETPKEGYGPVVCICAELNQEAIDEGGGET
LYSTPYDVVGNLPSLTTANLTIYAFFPGLYLVLGTEFWIRERYLGDELIRTVQYSVKDG
VAAVGLTEYECITDYFCMFKTFLLADFYILPGVISGYGSVAFVAFGSRSDNEVGRRVLET
HGLRSLQQEAEDPNSDLFVALPVTNRRPELKS VETAAATNISYKRSTLWFIACSATGALL
SF

>comp4803_c0_seq2; 311 359 1351 LEN=1443; translated
MDYGMSESVSDNIRAEIFTEDEYVPLVDGIIISQAIDDQKHLFQIDPRTLSNNTKVFS
LLDDPYKAKMKFCLRHTFFSGPESDNGSIPINYLESILTVFFDLRAAVYVGFVVEQKEL
FGSDRNNVTEKEGYEADGYICHPEYERMETPKEGYGPVVCICAELNQEAIDEGLYL
GLTEFWIRERYLGDELIRTVQYSVKDGVAAVGGLTEYECITDYFCMFKTFLLADFYILP
GVISGYGSVAFVAFGSRSDNEVGRRVLETHGLRSLQQEAEDPNSDLFVALPVTNRRPELKS
VETAAATNISYKRSTLWFIACSATGALLSF

>comp4804_c0_seq1; 642 151 1554 LEN=1801; translated
MFGWINDCTECLVLTKFGEETWQIQIKEKAGCEVEDGGFLRYKYYPDSDTVQLVVAASEVL
GIEVDDVLFVAFGDYFIDYVQENGYSNVLKLCLGSLNLRDWSNLNSLHDHLQASYPKGFVAP
VFWSEDEASSKCAILVHYYSHRGSLLVPLVVGIIKKVARVYFDIEIEMDQLQLQDENE
KHTSWRITTVDPKLTAILRGEKIRTSAEKRRGHETFDGEETISTSTSTASQNRYLNAFRT
GGNVASDLRAEEFVKRHFYNASCELYHALTLEQYIYLSKYWKVNENEEKFCYEVWVSLQD
DDPSTWASLEDLPSKLLPEMITKNKYFGGMVPKTKYPPGEDGKPKQSVPLISVVNGITG
KSKNLVVKKDESLLEDGIYNHPDMEGAGVKEFPPGWQQRIVAGEVEIQCDVWNEETDDS
YHSFSLLEDLKTASTKQLYDLVPMSPDPIKIVLQCEAVEVDEEWEDI

>comp4805_c0_seq1; 398 139 1233 LEN=1434; translated
MSFQHVLIPAIESEPIARQEASKAGGLTNDALSKNKAYFFEKSGGSKRAELLEKASAPE
KKQIADRIRKQYTGAEDESSKRVQAMGDDEIVNLLKMQEQASNCEITCLTIPTPLNGQTAV
SMYGGDDQARTKNHPYNPRATKMLACGHAFPPNSTSGDSGKPNGIYGDVVFVGRAIDDEG
KDIWERVDLTPAEVEGDLYKQWCKIARRKGGGGGGQGSASSLSKTLQNFQNNQQQMCPS
AAVAASGTPAIAADPANENQAKYTWSQTDDEVELKFFVVPKETRAKNVTAQFGCKSLRVS
LSGVDGCETNELLLCDGVTWDQIDVDGSTFTLQDEPGAKPTGRELCVSLEKASGGQWNY
AIEE

>comp4806_c0_seq1; 305 182 1262 LEN=1283; translated
MDKKISSEAEFALKTAKERAVAILIDSDVTLQESLQELERARELAGKAGLSIDSSIVKPV
DTTSLDAGVPSTTSNWANETTCGHSNTDHIVVTTGDPRLDRIAELKRNLRRHRAMQPED
RGDDRWDKPKLPGERRRIVREQDKDEYPPISGWCVFINQMTVKMRHDPNERHDQT
KVVQQLAKIWRVGMKDEREYFTKFGTSPFSVTSFKCWQRLCSFRFARTVNYQNRQFFLP

HVAADDARKEYEQVIEYRATGSYKPSKHFKRLGNSSVWVRRDKPSPLEEEICSYESI QF
PKRPPELDQYEYEEREIRGILKRKLLKGLLNDDGETWKEGVDFEAELELERKRRKLLKI
>comp4806_c0_seq2; 357 182 1147 LEN=1168; translated
MDKKISSEAEFALKTAKERAVAILIDSDVTLQESLQELERARELAGKAGLSIDSSIVKPV
DTTSLDAGVPSTTSNWANETTCGHSNTDHIVVTTGDPRLDRIAELKRNLRRHRAMQPED
RGDDRWDKPKLPGERRRIVREQDKDEYPSPEPISGWCVFINQMTVKMRHDPNERHDQT
KVVQQQAKIWRVGMKDEREYFTKFADDARKEYEQVIEYRATGSYKPSKHFKRLGNSSV
WVRRDKPSPLEEEICSYESI QF PKRPPELDQYEYEEREIRGILKRKLLKGLLNDDGETWK
EGVDFEAELELERKRRKLLKI
>comp4807_c0_seq1; 836 118 2750 LEN=2843; translated
MSDGSVDDL RQKGNHEFQKGNLDNAIAFYTSAIGIASETDTAAYIVNLCNRSACHFQMD
DLEKAKVDAELAWRASEESNVKSAYRLAKTLIGLKEFESAIVLKKALDIPDLKETEKKS
LQELGRNVLT KMDQPSGEDETSIRFAQRPLSIREFKK GKSLGVGNFSEIVVVEHKVTKEE
FALKILEKKTAA DLAKRQHPNVYNEIAMERRVLLQRVPHHPNI INMYHAFRDFNNLYL M
DLHNVPDLWAQLRYNGKMGVAPGSQVRRWMMQLVDALEHLHLHGIVHRDLKPENVLLNK
RNHVVIDFGTAKDLIETDLNGPEFVGSTLHRTLRF SVLYCSLLFLLFRAFLIRMDTQIA
QIEPEQSCSNQCP SLSVASLHNAIQFQLHLMQAPDFMAPEAVTGFSGMPNQPAQA MEHG
AAPSTAATDLWALGAMAYILHTGSTPFWSPPYLTF LRIKRGLLPRNTWGI PDEDAWDFI
SNLMRVEQNDRLGADCFEVEESGKVHVKGKGYDVLRSHPYFAKTDPGDESSVLP SLQDLCV
RACAE LAKQDAMDLDVCDRHPPGDGSSHDLERLSVRQ RSLVCHVLDKSKAFSRGDETRIF
QRFFASETDSL RARVRPASRDFVGLTQMNDDEYKPLTGRGSDDPYATKIEPEPTKIAVLT
NPMLLGAGGV SPEQE KAYLKGWKN CIAAINKKRPRAVVCAKAI PPKFWKFLARIRDSIH
VLWNDG SVHYSFWLNGFQGLVLQSSGLTEESSPQMLWLREQMEQARMAKQQLFCFCDCDP
GDLSP IVQKRLARGRVLCLSGLSNQ TAPFEREVCYSANETLDDDT SVKSTDSTEDDEDDGS
TMRVYGTSENGLRWITVHERDEWHSEFEAIDVPSAV
>comp4807_c0_seq2; 882 118 2553 LEN=2646; translated
MSDGSVDDL RQKGNHEFQKGNLDNAIAFYTSAIGIASETDTAAYIVNLCNRSACHFQMD
DLEKAKVDAELAWRASEESNVKSAYRLAKTLIGLKEFESAIVLKKALDIPDLKETEKKS
LQELGRNVLT KMDQPSGEDETSIRFAQRPLSIREFKK GKSLGVGNFSEIVVVEHKVTKEE
FALKILEKKTAA DLAKRQHPNVYNEIAMERRVLLQRVPHHPNI INMYHAFRDFNNLYL M
DLHNVPDLWAQLRYNGKMGVAPGSQVRRWMMQLVDALEHLHLHGIVHRDLKPENVLLNK
RNHVVIDFGTAKDLIETDLNGPEFVGSTLHRTLRF SVLYCSLLFLLFRAFLIRMDTQIA
QIEPEQSCSNQCP SLSVASLHNAIQFQLHLMQAPDFMAPEAVTGFSGMPNQPAQA MEHG
AAPSTAATDLWALGAMAYILHTGSTPFWSPPYLTF LRIKRGLLPRNTWGI PDEDAWDFI
SNLMRVEQNDRLGADCFEVEESGKVHVKGKGYDVLRSHPYFAKTDPGDESSVLP SLQDLCV
RACAE LAKQDAMDLDVCDRHPPGDGSSHDLERLSVRQ RSLVCHVLDKSKAFSRGDETRIF
QRFFASETDSL RARVRPASRDFVGLTQMNDDEYKPLTGRGSDDPYATKIEPEPTKIAVLT
NPMLLGAGGV SPEQE KAYLKGWKN CIAAINKKRPRAVVCAKAI PPKFWKFLARIRDSIH
VLWNDG SVHYSFWLNGFQGLVLQSSGLTEESSPQMLWLREQMEQARMAKQQLFCFCDCDP
GDLSP IVQKRLARGRVLCLSGLSNQ TAPFEREVCYSANETLDDDT SVKSTDSTEDDEDDGS
TMRVYGTSENGLRWITVHERDEWHSEFEAIDVPSAV
>comp4808_c0_seq1; 581 298 1781 LEN=1913; translated
MAKPQPEKPPRKNVEKYGNNSSSSSHVSSSESNKLRGHDVSIYPSKSSKNPSRDGSRDE
YDHDHHTFATATTASATISFSNSEAHSIASEAGMEVVMSSNQSEMERASPVVEEYKTHSFP
AGKXHFYSRQAIFIRVVGSGAYGVVISAKDSKNTDGENVAIKMVPKAFNDEIDAKRILRE
IKLLNHFQHENIISLVDMMPPTARYLED FHDVYVMVTDLMETDLHRIIYSKQKLSIDHAQY
FIYQVLRGLKYIHSADV IHRDLKPSNLLVNSNCDLKI CDFGLARGIREKNTEGQGGTMLL
TEYVVTRWYRAPEIMLACHEYSKAIDLWSVGCIFAELIQRKPYFPGEDYIDQLTICEKL
GKLQDKDLDFVTSEKARFMRKLPKTPAPLREQFP SAPADALDLLRKL LQIHPTRRIDV
EDALSHSFLSQLHNEEDEVAAEESFDYSFENEKHLRLRLQELIWREAGHFRPSCLP VAPS
RNGGSTRSNRRRDP
>comp4809_c0_seq1; 361 20 1162 LEN=2024; translated
MVGFRPLGWMGISTAVTLVFLLV SINALGNNGSGDLSSSYVSVRALDNYGNAVQLSHAKEA
AQRYGRSVVVAVVDIVHDQNNNSTGKQPEISRANEHKEHQTESVEEFHSSFLMVISLGN
SPILHPIQLPLESDPTSLLAICFTGVKGDANWLLQQIQKYAADVWERYGTTVMSVPAVSH
VVARLLGRFAAQPEDREWQSSGLPGKHSDDDHQSSWSRPLGVQTMILSTGVQDVQKPK
LLIVEPSGRVLNPLARSASGCVSLAAMGKESDKIQARLSRLISGKEQERKTGIGPFSFSS
STRDETQTSSWEDIPPTYERCDSLIRV LLEETTGSNTN NIGSQQNNGGGEIMVEGYSLD
RGQIERQIFRYENANTFVPL
>comp4810_c0_seq1; 706 149 2231 LEN=2307; translated
MLVSSKVM AAFLLGAVAPSTTNAFVTKASSASIQRQNDVSLNVL PPLIIGPMLRKMKEEK

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FAFTFEMQSOLAADLVLPDFDANDEQIKALKEGLGLRTPSKEFWEPVQQLTGAMDINDK
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LIPDRSTKEEFAAWLGAMNADEMKSILSVRKGLNEESDTQLKAFKKQKQKEDEEKRAEIRK
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>comp4810_c0_seq2; 797 149 2101 LEN=2177; translated
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ESDIQLLGTTELLNADILIPDRSTKEEFAAWLGAMNADEMKSILSVRKGLNEESDTQLKAF
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>comp4811_c0_seq1; 357 1 1607 LEN=1607; translated
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SMGDLIIYLALVCKLWRVEKVSFRKQKILVRDVIWPLVFAVVI AVAILVAWTVSSPPY
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RITQLLSHLIMGLFVLVNTLVMTLEMTTEVFVGAQSDAESNARNLVRAGAFLTNVFYQFL
FGMTSVGFVVPKIWYVRYEHVHGRLP SGIHKVAGGRVTVRVNHQVRVGETVGRPSSDGIG
RPPAVRKVS AFGDTRGDLRDRVP SHDDPPCPDHGGIEGDGGDSEGVDALEYVMEVDSSTS
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>comp4812_c0_seq1; 317 210 1144 LEN=1508; translated
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KAVTESGTSQVSTRQILGKVCLLLHPGTLPGIMDSKDMVLAALHFLSSTNDTKSKYILKL
PLIRPLQAYS DLERRNYEKIGDWKLDIEEKLKAEEIFLSSPSSWEWQKRESLSLRLSE
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>comp4813_c0_seq1; 401 157 909 LEN=1125; translated
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AHYTSEEMTGKVLVLANLKS RKMVGFPSHGMVLC AVKEGESEDS EDIVELLSPPEGAV
PGDRIVCAGFE GEPATENQVIKKKMLNTIFPDLKVNSEGVA VYKDVPLAIGEGDEASVVT
SGSLKDVIIS

>comp4814_c0_seq1; 141 1 893 LEN=977; translated
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SDQWGI EHTYSMPLMDRIAANGDSGTPYVLENPESSQTQIYRELAKSVVSEVAKAKFASR
RPEIEYIEEFNIIQVDDEPLDSATLRRACRCAACVEELTGKQILKASDVSDDIKPLRMSG
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>comp4814_c0_seq2; 403 202 1983 LEN=2067; translated
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ERKVSFDELTTT PACPVKETFRRSDCERLVSALPFVGSVDVTMTAQEPSNTETD TSGMAGI
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IQTLTQRLNITAAVIVTTPQELSFADVVRGVEMFDTVDVPCVAVVENMAYYSDPASQV
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GIEHTYSMPLMDRIAANGDSGTPYVLENPESSQTQIYRELAKSVVSEVAKAKFASRRPEI
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>comp4814_c0_seq3; 247 202 1146 LEN=1198; translated
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GAI IAVSSCKGGVGKSTTSVNLAYALQSQGASVGI FDCDVYGPSLPTMVEPDDDMVRFVG
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>comp4815_c0_seq1; 545 246 1463 LEN=1538; translated
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LDQDDLLPSSAYGDRKTLGLKAAEQECGGDLGNDDEDAGVILADDPRLARTYAEFFLASL
DVL L DAAVGHLLSSGAGAGGSAIQMVDIGSGLGRIVLYSALTRHGRGAGETDTGEESWRVC
GIEISSVLHNGALELVDAGMGRELFRSCGGDPGREDERKGDPSFLSKSNKLSFHLGSATE
PEGSALLGSADIVFSYSTVFKAKEYFDPDVGALLLDAEEWSRPLGEACKPGCVAVTTDRAL
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>comp4817_c0_seq1; 1630 158 3319 LEN=3756; translated
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L I Q E G S A E K S A E A L K N M L S S D A V L I R D G V E T K V P A A L I V P G D A V V L S L G D R I P A D L R V I E
V N M M A S A E A A L T G E S V P I E K V V E K I D L K D G Q L P K Q V P L G D R K N M C F S A T L I A Q G S G V G I A
V A T G D E T E I G T I N K L V N S Q E K T K T A V L E Q I D T I S L Y L A G F I M S V A L I T F L Y E W L H I K T S P
I M A L N T S L V C A V A M I P E G L E A I V T V T Y A W S T N K M A G L N A I V R A L P A V E T L G S V T V I C S D K
T G T L T T N V M S M T A F V T S N A H Y K N N V H A T E R T P D N L V R D D T F F G E K A D I A K V I R R N E A K K N
G G E V A V E E G E V E A E S D V K I D P N D K T P V G Q G G S A S S E F W R Q A L I G G V M C S K C T L G K D G T R E
G E I G N P T E L S I L R A A Y W S G V D V N K A K D A S P I I A E V P F S S E Y K F M A T V H D S C P E N D G P G M D
D K L I I H V K G A P D R M V K L C N T Q A V A G Q L G K T E P I N A D F W Q E Q I A I L S S H G L R V L A L L R G T L
K K G S V S Q G D A L K P E F V R D R E P W L T M V G L C A I V D P P R P E C I V A I E E A H H A S V R V A M I T G D H
K D T A L A I G A S L G L V D T E H P A A V T G P E L D A M S D D E I K K A V M T Y N V F A R A S P E N K I R I V K A L
Q S Q G E V A S M T G D G V N D A P A L K A A N M G V A M G K E G T D V A R E A A E M I L A D D N F A T I L S A V K E G
R V V W D N L R K V L M I N T P I N N A Q G L S V L F G I I C G F N R G T A Q N D K V I L T A I Q V L Y C N L I C A V T
L G F V A A V E P A E D G I M D V P P R R V G K R L I G R F L F L R I A L G T V V L V F I T V A S A F W A E D I L V N Q
Y G L D K F S R E C I D R V H S Q A S N S L T F G A C F V T V S A R F S F S N A V H P R A F K D N P A V L W S L L I V T
L L Q L A I T Y I P V L N S V V F A M A P M K A F Q W G I V L L G G L I V F I S L E L E K A L R R Y L K A H G S D V D D
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>comp4819_c0_seq1; 384 960 1685 LEN=1782; minus strand; translated
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W E Y S E Q W M E F T A Y L M V A A T F V I L H F V S K H D E Q M K D P I D D E S R H A F D D W F K D A Y K Y K D S E G
N T R D S R I D Q S G E E M K E A M A N P G N E G A D A M K L V Y G E G H P E E V Q D N P G N E A A K S L S K A V E M A
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>comp4820_c0_seq1; 189 1 1149 LEN=1205; translated
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PQSDARTTGLGTTTRSQPAPAWSTGSNGSPNERPVLSQQTPSGTNGGETPRAAESGARS LP
KRTRKRKSADTVRILYRPRPEDVPPERWLNSSIGRTREELNSIRDMVQYMGSCKFGQSSV
CSKFGRVHAI VMSDEWNDLAQRNDVLQNWYVGLGPRKRLARLVGACESTIPIFQAPKKE
HRTPEIFVYGHYKVLGLQELDPTVTIKGIERDIKLSFAFDRFDGRLDAIIQGGPVRSGST
PGSGSVESGQVLAKGHEWVQTP
>comp4821_c0_seq1; 591 134 1843 LEN=2301; translated
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RKVACDAALADLMEYMSLEDGVRVAALDATNSTKERRRHIKSVLKKEKNNIKTIFVESICD
DEAILLSNIHKVKLSTPDYKGVESKAVADFMARRANYERYYPVEEDDGAFCKIVNSHR
YVVHNIRGYLSLKVVFVMNLHTMPRTFYLTRHGQSEYNLLGKIGGDSGLTPAGLEYARR
LAIFAKEEIIATPRPEDHMHNGEVKSGGSDNEGRIQRPCRLWTSTLRRTRETAQFIEHTNF
RHTFDNGDNDWCQFRPKPRRNLDLEYAGTCDGMTYKEISEVFPDEF SRRQADKLSYRYP
RGESYMDVTLRLEPLAQEMERIREPLLIVGHQILRILYAYFMGLDRKEAPYVSIPLNNV

IELTPHAYGCHEKRYCLMMKEEMLADGQDEPVTSMPPVAQKGSQDVGLYDTAKKKWTVPRA
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>comp4821_c0_seq2; 150 569 1486 LEN=1947; translated
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DELYAGTCDGMTYKEISEVFPDEFSSRRQADKLSYRYPRGESYMDVTLRLEPLAQEMERIR
EPLLIIVGHQGILRILYAYFMGLDRKEAPYVSIPLNNVIELTPHAYGCHEKRYCLMMKEEM
LADGQDEPVTSMPPVAQKGSQDVGLYDTAKKKWTVPRAELLKKRSSVQEIDAKYEEDDSIM
NAPSC

>comp4823_c0_seq1; 461 862 2319 LEN=3844; minus strand; translated
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EILLKMPSSCLRDDQPPLWLLLEHQQQDQSEEESESALLIQDWVTRLAACVLEKQHEQK
IKKEADCLDRATQAWLKLLPSRSLRQFLPIHWPEISLSETNYMPLELAVDSAYFARAAP
MGDLMGAI PSSYCNNGGEIQDTIEWALDLVQTRSCRCALRFSGESTGGDVKDLRVLVVPV
DMINHSPEPNAEFFRKDDYMMVQALRDIAADDQVCISYGGSTVPAWRRLLFSYGFCDTSSG
DGDGFAVYEDDTVEIVLEDRFRFEVSPTEIPGELIQYQAQAAGIDSDEPLDIELTPEIG
LAIVDHLTNAANSKRKRDEAINAATNSSEESLSVPLRLVGDLLHESHRRTLLTCAGGLRE
YLGQ

>comp4824_c0_seq1; 571 71 1285 LEN=1521; translated
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PDKSKHPEAKERFQKIARAYEVLTSKSRKEYDDLRYDQDSYLKKGSDVVFTFAPQTD
AFVILIMGLINGFVYFAQFNWKKVCDRLAKAAIEDWNSSQGGSPESKDLRERALEIYA
KEKGDSDKDDTVVTKKGGKGSKVSNEKKELENAALRPIVEKLAYEITDFGAGFHKPTWK
DLAILKLAVWPYHLAVGTAWQMKFWIRRIQKLDLNDDEEKNVLTERRAVGRVIWEFSTDDER
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>comp4825_c0_seq1; 150 81 584 LEN=1112; translated
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RGFLEVTQKGTPIILNPSEETVRGPIRLRLRLPPQSTELGREARE

>comp4826_c0_seq1; 368 1240 1818 LEN=2221; minus strand; translated
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MFI FEARKEGSP

>comp4827_c0_seq1; 306 229 1239 LEN=1863; translated
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VSFGRKGVPEYNEVRDTIGFANCDYISVETKWKWNKQDIVDALDFEKNMRLELHVPCR
LDHLLSLCNHRNKKFQCPDISDEDAIASEIKKCLWAGPKKEAKEDKVSNILINNARFDPK
LRDESHSKGIDLKCFSTFPVENYINYMGGQFMRKRRIEAPFVDRKTNKDREKTECLLNQD
DNYKATVKRLVLQLDFMGYYQFCEDCMGSSDQLKLS

>comp4829_c0_seq1; 258 298 1146 LEN=1430; translated
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ARALASVFCATGSLVAGEVTEVSEVARREIGFGGGPPLLLDVYATWCGPCQMIAPFLKE
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>comp4830_c0_seq1; 432 8 973 LEN=1675; translated
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TPLLCYWIINDEPYLAIVGCFFAGASDVL DGYIAKNYGQKTVLGTYLDPFADKFFINSLA
ISLCYSGILPMPILLWASKDVLLLGGMGWYLYQEQTNFNFNSIHSKPLTVTPSTLGK
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>comp4831_c0_seq1; 598 130 1485 LEN=1742; translated
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EEFAKAFQRIYFNTYVMLFSFGVDSSIVFGISRLVAHYNIINQGLADGMVIAACLPLTIN

MCVVLTKASGGDEASSIFNSAFGNLVGVFLSPALILGYIGVSGEVKVLNVFFKLAIKRVLL
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MILFIGISLTIILMLLAWYSLRLLFFREKPKLRIMGLYGCTHKTVAMGVPLINAIYEGDPNI
AMYTLPLLIWHPMQLIVGTFLSPRLLAWVESYPVAGDKAGSGDDSNESGETFAEKKVVG
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>comp4832_c0_seq1; 572 299 2485 LEN=2810; translated
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GIKPLMDADVSKKERYIRSKYVDLYFYRKSAYHKQIADMNEVLAESRKTTKKKKSSK
PAGKKRRKSKELGAFLEKMNDSKESRCSLTVGNTVSTPISNDDGNHFGSINVENSEDE
LTLVTDQGSMSGEPQDARTIKRGRSRRKLGKKSISELDIGKRQIERVEVRGGPKETDRVE
DGEAGAGVHVQKTMKRIKRLSKTTTEIGNGASQGDDRFLRVHLERARASQGDGHFRVPL
QKSGVRQGGDRFLRVQLQKFGKRVTVGQSFVAVSVDGRGRNRELGGKVIRAKLKMFLNGFT
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AKIRQRNTSEDAKTTDRDNANLEQNSEESIDDNGFKLIDSSTFCTKRSSFSGNSWNSSGSSF
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FEKFSKSF

>comp4834_c0_seq1; 274 266 1237 LEN=1844; translated
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VRAFKKQKSDPLAMLSFSSGSSSSSFASKRRKLASNKGQAPDPRTKQEGRANDGGFLRE
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>comp4835_c0_seq1; 212 254 736 LEN=1189; translated
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>comp4835_c0_seq2; 272 275 967 LEN=1420; translated
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QINDETKFPDDDDDETEALRVFQTPQFAALCGQIFRRLFRVYGIYSSFFGTLEALDMAPH
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>comp4836_c0_seq1; 563 121 1785 LEN=1999; translated
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IIQTGAPAPSASVVPNSSPTQAPTPKDVPTLPPTTAAAFATFVNQFALEISGSEAFENPDS
PQYKAADFIAANDAEPRLSDKAMLGDLYAASVYFSTAGEYWFECSSQSDNCPDGISWM
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LPDELGSLTHMTHLILANNSLSGRISDTFLENSPVEVFMVLSDNKFKGNIKPSLTLMP
SILQIFLRNRFSGPIPEELGALPHLATLDLAGNRFEGEIPDSIFSPMTENLYLGGNSEITGT
LSPAVGSAANLVRLYISGTRISGSLPDDLFTLGHLSLVLVSNNTLTGELPESVANLGGTL
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>comp4837_c0_seq1; 419 1 1335 LEN=1335; translated
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QQRHQNLASQPAVQQQVAHLNVQPPPSQSEREAQAHAHLQAQSHAITQHMSDTAMQVP
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QPSMPSAPETLQLPPPQQVDTQQQPAYSQQDHQQAYSQAQPQTQDATSISAPPEPCISAS
AQHSVQHSYYPQEQPHDPHQQQQQX

>comp4838_c0_seq1; 454 69 1340 LEN=1561; translated
MTSDYKHGSYRTHRNSNQYAAAFGELHKDDAYSKRSRQSRMSEASGVNYLSHQLKQTAS
FDFASIDENSENIRNGANSRFSMGTTKTTNTLEDSYSRAMQKMNRGDFDPNRKVTSDAE
KGRFDDKNRSSRGSKAESQSRHSNTSSKHTQMDNHSARRASKSKNSATTGKKKRSVSK
KDPSEETIALFGANGVTGHYFLQQAMEAGYNIQALVTPGMPLDFSNNERLNIIVTGSLEE

IEKIQAVVHNATYVVCLLQDNDQETMKPPVGNIEDEAAANESYSFFNLFVHNLVPILEQS
KTCRVLLYEATSLAKDSKGNAPFLTMTTKLAFGKNWRWNKKEQDRIVQYLAAQTENAAF
NYIVTRPSATLIWDRPSRKKLAASKSKPGFPFITNIDLAEFTLNALRMEKVYNSCPYVVO
DGI

>comp4840_c0_seq1; 245 127 279 LEN=279; translated
MTDVEDFEDMEDSMDSMEFASGDDGGDDVDAEVVVDDNDGEEEEEEEEEE

>comp4840_c0_seq2; 245 1092 1244 LEN=1244; translated
MTDVEDFEDMEDSMDSMEFASGDDGGDDVDAEVVVDDNDGEEEEEEEEEE

>comp4841_c0_seq1; 428 273 1643 LEN=1834; translated
MTSEDDKFSRPTASQAAYEKTQILSQQSKLSVLKECIQPVRWESVQKSLLGKGFSEV
YRVDINTPELKDKKCALKYLSPKITNIKEGSFDLAAIDLATEANLLSRLNHENI IHLHGV
FGGELRTSYVDYEKGYFLLLDLHDTLPKRLDQARAKERRRILSGSISFPKMLERIEDVA
LGVSRGLEYLHQNGVFRDLKPDNIGFTKDGKPVIFDFGFARELHTVKAGDIAGSLRYMS
PEMAFGQDPKLPDSVYSFGVLLFEVCTLEKPFKQFNQQAEFKEKVLIEDYRPPLTSIPST
ELRDLITRTWNPDPKNRPMDSVVKLLRVEVALSERQVQKGLGLHRPKSCSSNISGTLK
RGSTMAALTSNAMFRRGSFHAENKTIVSTPVSEMSDPISDLVDMGRSSTRKVSISSCS
SASDISQCNSHSLQKSEFTLGRLRKPFRRRPAKAS

>comp4842_c0_seq1; 274 17 499 LEN=653; translated
MKQFSTLIAVLLVYNSIGTEAFVANTRSSRSRAVITSSRLAAGPLQKFSNPKEYNKVVEN
LMFTRGITREEAVKEYDAYLNNPNDYALNKGEAYYKSLGYKSLMDGVIGEAKEKEGRGDEV
RARIEKFNQESKAKGLATISFFIALGFYKITHPYVPLH

>comp4843_c0_seq1; 156 145 639 LEN=1485; translated
MPTGTNQAHVQDWGSVNVGRASRPTAKKSVGVEKRYGAGGNASAHSGGIMSARKLEEATD
VGTIAKVDMSLRKAIMQARTAKKMTQKELATAINEKPVVAEYESGKAIPNPQIISKLER
KLGTKLPRPGKSKLAKDTKTARKPGQSAAAAGLTRGGPAKRR

>comp4846_c0_seq1; 335 225 1517 LEN=1690; translated
MNVVLKVRNSLQRLPCAANKAVSCFTCGTDTTSSSDSCAEIRTGRVIDASFCMDLPNKSVT
ATQLYYDRVASESDCYSISNPSYCPYDGEDEREDHNNNDNSLATQASRTKSGLQKSKHE
LSGIFEYPGNFMDSSYETFSPIYIPDDTRSDAENSTRALPDNINKNNTCDKPEMPET
YRNDRRDMTFNKI GLGIVGLVTDVVTSKASRTAGGAGGASRARTIPTGRMNTSSGFRSN
INDWNGPSQIIESREGSGLAKKNCDCGSGESQTRELPSFGKSREFRSFGSNRSQRSSLD
GSLYSLKPTFVTDDDESLLGQSMQYSYITPTRSAEETEMETASAERAEEFSSIIYQSAIFFD
SHGLRSRDSFDDAAEYPTTTIASKPRDREGAPSSVRPRGFKGKRPPFPFLDNAGTVPGVS
KQHLRLVPP

>comp4849_c0_seq1; 604 216 2387 LEN=2554; translated
MKVETPQILWNEADKGINAPLLSIDILESGLATPNQSNCAQSQSQTSENRSKYSHVLV
TAGNAASINLWKICFGSHRHKAAQOSTDLEKDDASVGLSECNSSIFQKQTRPLFNKIDYMM
SLNRHDATVNCVAFSPDGLHLATAGDSGNI I IWSVPVVKRGNNGRHFVSTVTKENDLIV
RIVSTHCEGIVDLSWSADSKRFTVGTIDSCVLIYEDKHYGINACSPDTHRKESDWQPVFR
NSDQHGFSVQGVAYDPLDVYIASMGGDRTVRVFPRKTPQKSKKKVLRPANASTSVRSNAS
RSLVTPPPHQHQRMAVQILTEAKIDIGKPKRIKQRLVMVEDSTNNGTGSCKNHNNTNEHH
VKQIKHKLFDVDESNCESFFRRLNWTVDGAFVTPAALWHENNDIDAGKTTQTSASTSPLF
STYIFARHRFEOPYRVLTGLDKPSVVVRPNPILFELPPSVLEESKENQYPLTSKSNQASK
NLMHEQLPSTNPCGLPYRSLFAVLTLDLSILYDTHHAAPLSVLQGLHYSGLTDCCWSSDG
MNLMVCSSDGYISIINFAPGELGNVYVNHSCSDDAASTTVQPHSVDKTEENVETPAPVEF
EPLPPCDQDPMPAVLVAPAAKRVKKTRITPTLVNSISCHSLRTQDEAIEAASTTNVAAT
KRAISETIVGEAVTKLSLDNANNIGKTIISTETKNTAEEGNTSSCEKPKKKKKRVQPLLIS
NNI

>comp4851_c0_seq1; 251 135 707 LEN=739; translated
MATIVFETTEGNFKAELFTEKMPITCGNFLDLIERKFYDGLYIHRITPQFCVQFGCPYA
LNPHVYYGTLDDDAGKSGPDDTSYKSCNGKEHTRDEYGNIEDEIVKGISNEEGTLSMAN
SGDPETGGSQVFINVNDNKHLDDWNNSSSDSAHPVFGKIEGYDIVKKIEAVETLSEQPVE
PIQLVSVRKI

>comp4851_c0_seq2; 235 135 793 LEN=825; translated
MATIVFETTEGNFKAEXIYGENADYMSSEITWSFENRSLTLTKDSILWMMKSSSGNFL
DLIERKFYDGLYIHRITPQFCVQFGCPYALNPHVYYGTLDDDAGKSGPDDTSYKSCNGK
EHTRDEYGNIEDEIVKGISNEEGTLSMANSGDPETGGSQVFINVNDNKHLDDWNNSSSDSA
HPVFGKIEGYDIVKKIEAVETLSEQPVEPIQLVSVRKI

>comp4852_c0_seq1; 291 1 795 LEN=795; translated
NNNKIKGPDGDADTNSISPWFVGHFTPNHGSATSNKKNLFFKKKGDSAKKASSEGG

SAAPKQNGKRGKNDSKRNRLLNWKDSGTNRRGNSPLSSTAVLGTLMYVRDYRRLRDGRIL
ALVHAAETVVEKVRSLPYAIVDARILPDVEELEFPDPATDGSESLPSPSIYSCGDHPD
EQFLVDSLRADEDASAGPARARAVEDSIHVYHRYECDSEQRLDGIPNKSDLGILDITHNA
ISRAHLPYCPFAASSFLNATTAATT

>comp4852_c1_seq1; 208 1 727 LEN=1314; translated
NNNSSSSNDARNHPDTKDETGASGSSPSEKDPARAAPSLEFELLRRGITKIPPSDRRFS
YNAEPTYASSSSEETKESTTHSWTTDELEYELWLVLDYFLKATKKEISPVLLRLLPSEPE
MPRAWPPGFSLKAAHDTKHGNSQGDPGRSSGGGGYPHRRRQRRLSYSAAYLLEAVLPIG
RAVGSGRSVCSSGGSGVDEAEIQELRALLLSVPSTRQRLRVVLERFHRWRLYEECDFE
A

>comp4853_c0_seq1; 83 1 225 LEN=225; translated
XDNKDNKDNTPKDIDSNDSHLAYGNTHHTRQQINQEPIALILKSIDSSRNKRIKRNKPNQ
QYETQLGPKNTTTTTTX

>comp4854_c0_seq1; 487 115 1410 LEN=1903; translated
MKFGIFGSKKKDGHEADPTAGVLSDPPEEAESGVNMKWNMDMYVEIDDDANETIANESYNST
TEKRCGGRTIPGSMSEPTMDGSRMNSAFVNKSFANNEEKQDDGPDLSLEVPSNADSGTITN
STTEDCTINVDDLDPDHLPPQGVETNSKDFSITNNGKYLNNYFANAQLMRWKHAAEEGPIF
IQVLAALAAIGAMTTTTIYPLVTFYTVWTAPLCICALHTTVLCSLIVTFEMRAWCVRNPM
LRARIRNLLVRYLNLVLRFLWGRGLLYIFAGSMNITIIYKPYTSYSGFTLIALGILAIMVG
GSSALNLEHLRSLTDRSFLWSKFVEADSDSDNMINLTFNSLIWSLGLLEDDFYTYRAF
SDVDKRSHSHITFDEFQYWWMASQGDDETTLTMAVSKISAFPSVAPSHYAVANSNYVPKH
IKDHIPAHIKV

>comp4855_c0_seq1; 313 1 1130 LEN=1195; translated
LFSLQGNFFAPPTIGSPQHRISDELPHYVSLHXSIRVQASLHLLLEMKASEALGLCKLADS
GVASVTSQARVANLWAGMGSIRLECSGGSQKSI IAKRIRCPCDPSSIGDQRKAASYRVE
ASFYASKYCRELSEEGICCEGLHTEDDGKGSITILMRPLPNETLSYMEGKVAEAAVRSVA
KLHAYFWGSERAREAVEETGLAEQGTYWYLDTRPDEYDRMDGNRGLSARLKRAAHGIDAA
LKEHEYQTIHGDLKACNMSLSRNPDFVTLVDFQYLGKACPAKDLAYLFCVCGIDVDDDFE
ARREDELLRLYIEELAANGVDDADAPLPTMEKLKEALDLSYCDLYRWMLGWVWNGGFL
EGRVEACMNNYGS MYN

>comp4855_c0_seq2; 279 1 1073 LEN=1360; translated
LFSLQGNFFAPPTIGSPQHRISDELPHYVSLHXSIRVQASLHLLLEMKASEALGLCKLADS
GVASVTSQARVANLWAGMGSIRLECSGGSQKSI IAKRIRCPCDPSSIGDQRKAASYRVE
ASFYASKYCRELSEEGICCEGLHTEDDGKGSITILMRPLPNETLSYMEGKVAEAAVRSVA
KLHAYFWGSERAREAVEETGLAEQGTYWYLDTRPDEYDRMDGNRGLSARLKRAAHGIDAA
LKEHEYQTIHGDLKACNMSLSRNPDFVTLVDFQYLGKACPAKDLAYLFCVCGIDVDDDFE
ARREDELLRLYIEELAANGVDDADAPLPTMEKLKEALYVSARCCARFRKLEPIPFS

>comp4856_c0_seq2; 330 177 1517 LEN=1702; translated
MATTRATTEKKNQNEHSSPCYYKLSAAELPDDLFRKDVPTVEWIGGKEEDNKNADDARPW
IATSSSPSGFPFGDLKKVHPIDRMVDIERCIGISLYMVGNTVFPALPSLAFALGMEA
AKYLFWFVVVYHGGYALWRLWMVPIFLRRYNRGSRKDDLNPVDPGYSQYLYTERNTTK
YCSTSYVWPASLHRPALEKGPNNDRPVIYCIIPHGLAPYGIYGYPYFSKVWNSKLCSWTC
APVLLSLPFVGYFLKAIYIIPAKSKNILEALTKKDRNVGVIIDGIEGMFHNANATNTDTE
VGAAILKRKGVKIALKANAALVPVYGFHAEVYDILVDFPGIMKYLSTFGVSLTPFFGR
YKWFLLGPPKRNVPITVCLGDP IYPPESSSSSGDETTTPDPSNTITQEDIDEHHARLLKGF
EKVFDTHKRGYYGEQTGARKKLVFCK

>comp4857_c0_seq1; 150 148 452 LEN=452; translated
MTQNKDHHGTHVDVRGAKSKI IGLISGSVVSRRREKQSTAKIDNPLSSDDLAPPPPSDRLN
YALLIVLYTLQGI PMGLSASIPFLLQEKI QKMTAASAAAAAG

>comp4857_c1_seq1; 586 1 1691 LEN=1999; translated
XAAGTDVAMGATAASAVAAEAARASYNANAIFALCSWPFSLKLLWAPIVDVAVYFKRFGR
KSWLVPIQTLAGLIMVGGSDFVERQLGLGNVAAVTESGVDAASAAAAASMNVRGVTAFFV
LYFLMATQDIAVDGVALTMLSCKNRGRGPICNSIGQNIYFLSFVGFALNDVESANTLW
RPLLRLPQNPNGVLSLKGFLRFMGSMVLTAVVAIFKREIKEPPKVVDSSNIIAKIGR
ANSNVSEDEDEDDNELDASEIGLRETYHRLWAVSQLPVAVRWFIVLVSYRLPVALSNDVK
FLKAVEYGLSKSTTAILSPTIILPLGILVPLVASKIWHMAPLTQFMRAYEWRVTIIPLLD
ILMLRILKSGQPHNTSFFWGAIVASTAGQAICNSLQFNAQMTFFASRVDP AIGGSYMTLL
NTMANLGGTWPASFVMKLLGWMTPTVASTAESPTKASSWFGEDPYEFVQITILSVLGIA
WIIIVLGPVVRRLAVLPDDSWRTQLLDDDDGDDDKITKGKKAEEKSSKLSSVARKRGASKP
RMSAGTKRINAMESGGVEDTKTK

>comp4858_c0_seq1; 495 1 1376 LEN=1615; translated
GLPGTFIFWACSTIKQKECRFSSQHNIDTFFLLCNPGSYWIERNVNPPIIFVLFSVAVVVK
KGMCSFAQKAFAFASRNHHPKGVVKILIIDGEIRINDADDEGYAFGSEIEDDKGGEDDLGE
NNHLSSEFEPFSSYNTDDEKKTTLRREHEDDISVALLHVSRYRTGYELIETILDEDIDVRNA
GGTRVTVDAVSPPLTGAVIIVWTAVSIVICLILCCCMAAALEDLLENQEPEPAPLRRPRR
QRLTTDQVRELHVGIFDGNKLVYDEENPTANGVGEYCCDHILQHSNDKNFPQPTINSMDT
CTICLDDYQIGDKLCCPLCGHVFHAECISKWLVERSATCPLCNLDLYEEEEVDDNSEGEED
EYTNNERQARNGSAPTTQVEPDMNEDASTIDHSIGSWLRAIFRSPYWRNRTTGGSSGLEA
LAEPLLQQDQPEHPTSAGIDVEATPSNEESSTGPTEID

>comp4858_c0_seq2; 584 317 1639 LEN=1878; translated
MKEGLEYEARLQRVNGADHFCGKGSWNVTVPSDGLPVAVVVKGMCSFAQKAFAFASRNH
PKGKGVVKILIIDGEIRINDADDEGYAFGSEIEDDKGGEDDLGENNHLSSEFEPFSSYNTDDE
KKTTLRREHEDDISVALLHVSRYRTGYELIETILDEDIDVRNAGGTRVTVDAVSPPLTGAV
IIVWTAVSIVICLILCCCMAAALEDLLENQEPEPAPLRRPRRQRLTTDQVRELHVGIFDGN
KLVYDEENPTANGVGEYCCDHILQHSNDKNFPQPTINSMDTCTICLDDYQIGDKLCCPL
CGHVFHAECISKWLVERSATCPLCNLDLYEEEEVDDNSEGEEDYTNNERQARNGSAPTTQ
VEPDMNEDASTIDHSIGSWLRAIFRSPYWRNRTTGGSSGLEALAEPLLQQDQPEHPTSAG
IDVEATPSNEESSTGPTEID

>comp4859_c0_seq1; 328 212 823 LEN=1627; translated
MTKRSSLIKDLKDKCVPYFERDEIMPYLGDKLGKGGFNSVYELEKIELDETSVPVNDQQRK
QRSFVTQNIQKLLAVKFLNESAMSNSNEFCNGAADLLEAKYLSAISNHPHPSIISLHG
VAAAGAAGFATGQMGYFLVVDRLYDITLTKRIDIWKELKRRKLRHPSNSVKKLLQAMFLQ
RLHVATDICGAIRHLHSLKIVFR

>comp4859_c0_seq2; 383 212 1105 LEN=1407; translated
MTKRSSLIKDLKDKCVPYFERDEIMPYLGDKLGKGGFNSVYELEKIELDETSVPVNDQQRK
QRSFVTQNIQKLLAVKFLNESAMSNSNEFCNGAADLLEAKYLSAISNHPHPSIISLHG
VAAAGAAGFATGQMGYFLVVDRLYDITLTKRIDIWKELKRRKLRHPSNSVKKLLQAMFLQ
RLHVATDICGAIRHLHSLKIVFRDLKPDNVGFNFEGRVKLFDFGLAKELDPLQKTGDGMY
EMSGGTGSRRFMAPEVALGQPYNLSADLFI FCFVLGISGFRESLWEDEPRRASRESN

>comp4860_c0_seq1; 309 106 1621 LEN=1873; translated
MRKNDSSHQNSPLINKEGDENISVEERLQDWAFLPERDSSSADRKLLDNSWSDLYRMIHD
DKNSKKTILDYIYSSPHEVEAPIANGDTPFRALRTGCDFDVISAMIEVAPNASKDKGY
TPFMEALCPEPTICTDPMRVDVDMETLIEHFRPEAVRNPLALGYLCSKGNPSVTSLEL
VKLLISHCPNAVQTTNGATNRNMLPLHSACESGMSIDVVRYLNLNLFPAASSTKCEPCNSM
ITSKGPYVLDVEARLPIELACVSKSPSDVVKLLTERQTKNMNQMNNTDGYDANFGKLLLL
IAWATRKSYLEHGKDGTVQRPNYKEIEYLLPMTNSKERLRVNLAIITENAWDDAQSFY
TKLLCDCTSVNGTMVLHAAVERGLINISKLICDISPSLARKRDRNGCLPLHIASTVEKHH
STQKTPMAEFLKSANRRKVVIQRILIAKYPRALVLKNHEGRIPCEMAGRYASGTVAINAK
SSILREDFSAFCTKKHDVYGVGKG

>comp4861_c0_seq1; 408 668 2234 LEN=2601; translated
MAASSSSPLSSFIFSGDNRHNTASYASQGTTSFSSVSVRSNVTGDEKFSVMKINTETG
AIRRIQMCQSEIMVQTTLSPRDLVSLRLTSKKERREN RVGKSLVEQMRHPPTIMARNKFI
LLSMGPVRAVAEPDAVYVFDVHSKAAKLFATDLAKVYEEERSEAIKNKTLNHEEPTLVE
LETVLTDAVDSFTGRIRIFEPVNDLLLRLISLDVEDVSNNTNTHQMAPLKEQLQSFEIFV
TQAYDCVTQLLNDDEAMLQLLLTEQEGGDIGAVQLSHPSSFCNGSQIVSPLVCCYHIAL
ISNVSEARRTNTTVDFERHQHVEHILGIYARRFSSVIOEVNYLLGRIESRQEYIELELDL
YRNRLIRMNVDLAILATATGVTALSGTFGMNMVNGFEESHAFVTSATSALAALSVGH
FFRRMVSGNVIQQAQERIGEIRTMSNALSDMSALDYAVKQIRGENMNKTEFKEQLAGA
RHSKTCTDEEVDLLFRVLNTHKDDVLDKEDFVEKRDSGESP

>comp4861_c0_seq2; 443 668 2116 LEN=2483; translated
MAASSSSPLSSFIFSGDNRHNTASYASQGTTSFSSVSVRSNVTGDEKFSVMKINTETG
AIRRIQMCQSEIMVQTTLSPRDLVSLRLTSKKERREN RVGKSLVEQMRHPPTIMARNKFI
LLSMGPVRAVAEPDAVYVFDVHSKAAKLFATDLAKVYEEERSEAIKNKTLNHEEPTLVE
LETVLTDAVDSFTGRIRIFEPVNDLLLRLISLDVEDVSNNTNTHQMAPLKEQLQSFEIFV
TQAYDCVTQLLNDDEAMLQLLLTEQEEARRTNTTVDFERHQHVEHILGIYARRFSSVIOE
VNYLLGRIESRQEYIELELDLYRNRLIRMNVDLAILATATGVTALSGTFGMNMVNGFEE
SHTAFVTSATSALAALSVGHFFRRMVSGNVIQQAQERIGEIRTMSNALSDMSALDYAV
KQIRGENMNKTEFKEQLAGARHSKTCTDEEVDLLFRVLNTHKDDVLDKEDFVEKRDSGE
SP

>comp4862_c0_seq1; 407 185 1589 LEN=1589; translated

MASISRRKNSLVGGVGLVAASIATVWALQKWRQSRRGNDKRSSTSTILTAHEQLIEGGT
PLIELKRVTKLIGRSVFKMESMNPGGTGKDRAALNMIRMAENEGALPPPDAVPTNSTDY
DSSLFLRPSVPSGSSHGNGTSATAEHTHTDADVPTSAENGLTMMILQALERSRTGGLVV
EGTSGSTGIALATLCAARGHACLVLVLPDDQAVEKQRILRSLGAVVYEVPTASISNPKHYV
NLGRKAAKLARDKFGISAVFVDQFENLSNFDIHYQQTGRELLRQLYDQNRSLDAFVMSSG
TGGTIAGIATYLKEQRIHNNNDGEVRVVLVDPGPGSALYHKVEHGVAFAVEQRERYLRKHR
YDTLAEGIGLDRITRNFSSGLSCIDRSIRVTDQEAVIDMAHWILRTEGLWIGSSSAMNLVG
AMKTALSLEPEDSSVVTMICDGGQRHATRFWNPKFIKEWGLEWSPDCLX
>comp4863_c0_seq1; 411 26 829 LEN=886; translated
MRLAPTLVLAARASSLLSPPPTLPTARAFSAQHSNRSSNRSSNHKRNMSTESDQDQGP
ARQLVVDVDFCFRQFGEHPQSGSYGGTVFSSLTVAAFEVAVANARFREEDLRDGYAPFCKHV
FLENDFTGDDARVNVLPVEGNEKIRTEYAARNDKELPVLQRFIPLAVGGAEEELPRAKY
LDLILYSRDQIRKENESMGNNENVEGDEEAPWGVISIKAQMEDFELPMNPITQMRNALGKD
QGGSGIPLTREYMKSVVEYWTANVNV
>comp4864_c0_seq1; 380 81 743 LEN=907; translated
MASDQIRQMVNFILQEAHEKANEIRVKTEHDFNLEKQTLVHEAKLSIQDDFAKKEKQHEI
QERIARSSEIGACRVKMKQLRDELNKLLEGGAKCAVVARGANYPQLLQKLIQCLIKI
EENNTEIYCRTEVDVTKGVLPDAIKEYVEIMKRESGVTLSPNVTMNADADKNLPESSHG
GIVMTALNGKIVCDNTMSARLELVYEELLPSIRSIMFPDE
>comp4864_c0_seq2; 259 444 961 LEN=1125; translated
MTXAKKEKQHEIQERIARSSEIGACRVKMKQLRDELNKLLEGGAKCAVVARGANYPQL
LQKLIQCLIKIEENNTEIYCRTEVDVTKGVLPDAIKEYVEIMKRESGVTLSPNVTMNA
DADKNLPESSHGGIVMTALNGKIVCDNTMSARLELVYEELLPSIRSIMFPDE
>comp4866_c0_seq1; 375 1 936 LEN=975; translated
RKAQSEKSDSHIKNLLRQGSIIILRKRGIYGMKPLSVQAPLFRSGLLIVVSVLSFCCKNG
LFVVESEFTLKRDAARCKVDREQLQAFEATWINARRKSTSLFQQRQARRWNGNYKHKSK
KLSQVDPKSKKMLNLTANGVTKLEKRMETLQHVLTKAMIWKMFMNDYPNLEIELDIGD
PDYLPDVIGATSKGYDKASIVFWGESGRMKVHKALDLMRRYPNAHIVHCRWAIDIESFMG
PFVEYLETELFDEEDTSWWKGF SFASLPLEVWDF INEDTGTILIEKSDLSWRELDLSQLD
FNRTSLDEDNI
>comp4867_c0_seq1; 313 45 947 LEN=1195; translated
MRSSHLCVPIILLSAPRAVTGLQTNPHHQASREILGGLVSACGAGLVVGGAPQPARSAA
AVQDSLVDVDAFLRKGVDVTGGTMGVSSQAGKSRPETGVFRLDGSVSRDKKTGDVSAEIVV
NGSNGEKMAVFSYSSPWPLAEGPFYDIECRNQKTSQDGAQVQVTTDVGKTVANIDNAFI
LENLLAPSGRFSFYGQPTDVKIKKSTTVGDYRIIDLSFATLSQATQTEIPRKAQLVATIP
KGSSQAIVLVGSAPAARWNGSDQVVFSTIESFRAIAAPKSSKLRKRRKERNFTSIDENGE
>comp4867_c0_seq2; 275 45 1105 LEN=1353; translated
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AVQDSLVDVDAFLRKGVDVTGGTMGVSSQAGKSRPETGVFRLDGSVSRDKKTGDVSAEIVV
NGSNGEKMAVFSYSSPWPLGKNERECAAWSCKLNNDNICYAPLPLYDPERAFIXESKEVS
QFSPSSTCFSTHPAEGPFYDIECRNQKTSQDGAQVQVTTDVGKTVANIDNAFILENLLAP
SGRFSFYGQPTDVKIKKSTTVGDYRIIDLSFATLSQATQTEIPRKAQLVATIPKGSSQAI
VLVGSAPAARWNGSDQVVFSTIESFRAIAAPKSSKLRKRRKERNFTSIDENGE
>comp4868_c0_seq1; 12 1 212 LEN=212; translated
XQNSDAPPITATVKLATPKRKKSRPRPQEREQEHRYMEDTNNNIRVGSGRNTNREPHI
GTQQCQPQP
>comp4868_c1_seq1; 105 229 495 LEN=495; translated
MTKNKNAKRQPCSGITTHKKGGLLGKKSIPITVEGKVSNGRCLACDPFPCLTPAGQAS
VAIEEVCQSPVRQAPLNNNSDNRSGGGGE
>comp4869_c0_seq1; 1075 266 3208 LEN=3963; translated
MSSEDEFDSSFLDDFDVDAVAAGSATPEKRPKRKSGSDGFGDTSFLDDFDVDAVAAR
GGLPANKKRPRVTPPEPHQQRHCRHPSTAFPTEELEACAKHYGYSSYKSGQLDAIRAVL
RGQDATVFWATGSGKSLCYQIPALYSKKTAVVISPLISLMKDQVLRNLNLSSEALATYLG
SAQTDGAEQRALRGDYRLVYITPEKLMTGGFLDRLAALDLCCVAVDEAHCVSQQWGHDFR
KDYLHAGEALRNHPRLRTPVPIIALTATAVPRIQNDIAKNLRLRSPHVNKQSFDRTNLSIR
VTLKERNHPLPSAMEPLIRSLLEEKSGSGASSTIVYAATRDATEEVASYLQQRKCNKNS
AVDVRAYHAGMTTDQRNETHVRFLTGTAVVVATVAFGMGIDKPDTRRVIHWGPPKSVVEE
YYQQIGRAGRDFPAECVLYASPSEFDKYMDDFYIGDLGDPARQASIQSTRALKSFALDK
EGCRRKGLLDFGETPAFGERCGTCDTCLAQKQFGDDALRDFGPEARLVL SAVSGLREAS
IGTIEKVLKGNIVEGYRYAYRTSPEALQTMETETRKALPRARASIQFLREMVSTLSQKGY

LTEATKSANLGGGNYKRSWTVYNINETGRRCLGGTEKVVLPVPESIREAERQEKARKDRV
LKNLEEKGVSLDKLPSELEETGDGEVIRAYTKWNNYVALQEKLGKEGRNAELEELLSLVQ
EWRSNAAVEHTMAPASVLPHEIMLSISYAVATYPAGVKVSRSDLIAAGARTRELES LADI
LNSWIDRYRAADNPSGSSASDQAKDVP MRFASGGPTQGGKWEFAVYKPKKKTGMATWES
SYERFAAGESPQAI SMSPANGRP IQVMTVVGHIQDAFLHGRPVLDLQRLSSISKPPTKNQW
MELEQAKESTGMDPVGNPSCSGLDGGSFLLTEFLRPVMGDDFMETPREDRSESDKARFGE
WCGVLKWYLFMKRAGVEPVF

>comp4870_c0_seq1; 248 74 676 LEN=1036; translated
MKVLSLATVRTGNELEDPIVCSMSSELSSFGFFQRPTIKEMLGFLTRTFMKRTEPGQRQS
ITHENYVVHCYRRSDGLGGTVTTDLEYPSRVAFVLLTQLLDDFTA AVGDTWKTC TTPESM
AFPAMEEYLQKYQDPSAADKITKIQNLDDETTQILHKTIDSVLERG VKLDNLVERSNDLS
AQSKMFYKQAKKTNSSCCVIS

>comp4872_c0_seq1; 815 110 2689 LEN=2914; translated
MGGGQRSSIVAESSASEDENNVLIIRISKRFIILTFVVSCLVAFVGHVSRIVLIDNPRN
EFMKAYQREHVSIDGAMGTPFGSKDEGQFTLPDPVLQSGKTPPITTYTSKNFN TALSSST
THSRWMTQDGEDLDNGLLENE SNGDQCRSSTNDSCVEDEQTEEEHLPAGQHLLIDIEH
VDALFLNSEDRLATAML DLVNECGLTLLSYHCHGLHPSGVSCAGVLLESHVSFHTWPEEG
VITLDFLTCGPNSSLPIVPLAEKLF AVASDALRAMEPKMIWAHKFRGFGRENGSASEVTD
MFRFPVQG MNDFKKEIASIQTDYQTM DVYD VFRPGRHDMESYEKSLSNDGSYEALHPELF
EPDRLVYLDGVVQ SCKTGDAAYHEALVHPAMFAHENPKRVAIVGGGEGATLREVLKHN TV
EKVIMIDIDEQMVELSKKVL PYWSDCSMLQDSTKSCFDDPRVETYFLDAFKWFIDRF SDE
KSDDFDELFPDVIIMDALDPQIQKEFVDALYDGGPF LRS L PNALRESGILVAQVGEANSI
QSPSGEHSIDRN RINFIETLVSLGFPTIRDYEEESHQFDDPW EFVAAFKDFDYKVDWYAE
SPVIDLKIRERGMITTAGGSPFLHFDGATMKS YRYP SKGSETAF CRLKPNEVDCANGHGF
DLERDDVMVSSLEIKPSSLGVKAGRGVFAKT DIPKDSYVGLKEIGSSVHINPHVFEVMKE
MKEIPWAYS NYHGKELEAYTNLYGHFFVSQGETEVFIDSTIQCMINHGCMTSNIGYNIN
VTEASADPLSMSEEV TSSYIGRQYIYNPAKERQVRFYSSSTPRRDIKAGEELLGN YL GMA
GADNPHWKDVVLALRDHCV

>comp4873_c0_seq1; 433 235 873 LEN=1069; translated
MTYEEMIQRVDCYEITVPKPLGVIFGENPDPYLGVLVDDVSEGMNGGKAGLRMGDQLLAV
NEQV VIGRDFDTVMGKLQEQPGR LNLVLYRGPVQG LFTVLSNQLGEGQNM YEDEDEY EES
EEVMDENYESPVRIEVKEEKPLTPGDFVKA FGKLG SMLGETLTAPVEQEDTGAPPPPKK
KTGFFGIGGESVQLDGEDARGYRREKIEPDDF

>comp4874_c0_seq1; 640 836 1762 LEN=2325; translated
MTYYSDETEIISDDDDVSI SDCSSSFHFSDNVV LNLGLDN NCN NCYNNTKGKYE EANRAS F
PLLTNHSQRTQQSFFSLKDLVSMGT VSSLS DNETPDDSDGGDTKDTNTDGE EEEKQYFN
NDDTERRIEITFASSNISMDQR PQEQRQLRIITGRRFINEDTILSDGEEDLCELTEEVMG
NNDEEELTIKES ETEMEERFDDDL EEEEEYRVL LNDV DDETGT RKR DVRSKHRNDEYSI
ESV DDETVEEEEIIEIEEVILDDNEQSEEEIEEVIINNNEHGEEVFICHNGEAGKEAIEE
VALEQYEL

>comp4875_c0_seq1; 479 209 1231 LEN=1942; translated
MICVPTARLLFFCAFCDRAVSFTP KAIWAHQTRKPCQQFAYRDSNEEDSFESLVEEATF
GATGLYGGDFAGLAATFNPGDGSFIPIPDYLIPEDLKEWGQEPKCLQVLVSEDVHDDGSG
ESCLMSRVTTKILPETGCGVDNMETMIASDEIDLESQWKSDDDNDGLEDVVGLQYPLGEE
KLRVETIFGLEEEYGVDRIRVAIDLIPSEENFAIVSPMVLTLERRTSSISSGGTIAEGGG
LDGR TVYMLLGERLRSETTFVDEPSMSNENY YDTGNDIRYVGLPANISIAFGWLNEGRDT
WMLQVSHITSNGSRRVVS RQFTVASNNELDFEIRSWVEDL

>comp4877_c0_seq1; 50 125 482 LEN=482; translated
MRHHKIQAAVRRILRLSFLGLAFAGTTAAFS AAPP RAPARSGARPS PARLCSTRSGRVA
EESFLMKPFQTASGETVNPYRVLKVPRSAERKEIREAYRRISKRYHPDIVRHKDVLPGNX

>comp4877_c0_seq2; 77 215 662 LEN=731; translated
PVTHHTTSHQIAPRPN SNSHDDVEAEWERIQLSYDILSERKRRMQYDRHELIADPGA AVQ
RAAFEAAAAGVVGLGKGI FRAGSSALDLLGGAGKR DAGGERWGRWRRVALNRIESSKTEP
NGMVVGD AAGGETEWSSCDGPVDSYCKQ

>comp4877_c0_seq3; 154 566 1112 LEN=1181; translated
MLPFA SRNPYRVLKVPRSAERKEIREAYRRISKRYHPDIVRHKDVLPGNCSHDDVEAEW
ERIQLSYDILSERKRRMQYDRHELIADPGA AVQRAAFEAAAAGVVGLGKGI FRAGSSALD
LLGGAGKR DAGGERWGRWRRVALNRIESSKTEPNGMVVGD AAGGETEWSSCDGPVDSYCK
Q

>comp4877_c0_seq4; 77 344 791 LEN=860; translated

PVTHHTTSHQIAPRPNSNSHDDVEAEWERIQLSYDILSERKRRMQYDRHELIAIDPGAAVQ
RAAFEAAAAGVVGLGKGI FRAGSSALDLLGGAGKRDAGGERWGRWRRVALNRIESSKTEP
NGMVVGDAAAGGETEWSSCDGPVDSYCKQ

>comp4878_c0_seq1; 164 1 546 LEN=781; translated
QGLKQGTARDRGDTKQRYNTPPSPSPRDDKTTMVWGAIKNAIGLGNPLDSLPEGPTRLPD
YFPLEPKGCEKPSQKLFKCLSREATEKARDMERSVGFHKSHPD VVVVGLDPKAAEAVAND
PENPEFPKPGDNPLDECRLF IANYMKCCDRNLKQKRNRLQETVVRVQEEYRYQGPTASAE
E

>comp4880_c0_seq1; 374 163 1416 LEN=1587; translated
MRNVARCPPNRPRGISRAVLGLAFVAWVAAAVSADAPPGRGPCAFNEGEDREDLYGSHPS
LCAMLDRLLEEDPESVASELASFARAHGRLVGETIGDPGAPLSEHERDPAQLPVVFAHGMG
DSCFNDGMVRIGEHTAGLLGGVYVTCVPTGDTKTEDTTNGYFLNMDASVDFAAARIAADP
ELRGGFHAVGFSQGNVIRGYVAR YNTPTVHTFLSVNGVNAGEGTVPGCFPSGGAAAATL
GSVCDLLEEQASRRAYTEFAQKHSFQSNYWRDPRASEREAYQKFSQLARWNNNEGPELHNA
TLNENFARTSRFVWRATKDSMVWPSEGEHWGSPDPDDPFGKPVLP MNETEWYTEDLFG
RTAQEAGKNVFETFEGDHLRF SMEDFDRWVRTYLVGGGETERAGADAI AEAATAATE

>comp4881_c0_seq1; 539 1 1438 LEN=1959; translated
XSVWKAEGFHASQQQLQWHRSP LLQRAPVEGA AFVVRGGAERSATVEEAAETETETLPTWE
DLQSALEDLRSGAPEEKPVLTLYRDTNGWC PFCERVWVAVRAKGLPYQETLVPLQKPEW
YKQMVPTGLVPAVL FGHGETEDKTDEGGSEPTSRRELWVESDAILQALDDKFPD TVRLTRK
GDEDEYKALDLQNRVQAEGFRFAYGNRNGTATEAELEEIRSGFEAVLDELDEALGAQTGG
NFR LGADFSGIDAIMVPTLERWRYQLPLTEAFDILEGRPHLREWFEAMDAFPAYSGRVAG
DEYSWTATASMFLRYFGGGEDKPKVAEG IARADAAAEDLSGGFADGLGSIATPREAALEA
AAKLVSNHDAVLRDCLGAVEPKSQGHI PRADEEKGPTVDALLRHVASLLLD AARGGERAT
PLAPPSIRGGRSTGEKTQ GALALRTVAKRLCVRPRDMGAPSAALLRGILATVADDLSPVE

>comp4881_c0_seq2; 625 67 1461 LEN=1982; translated
MLFLSDAFLDFVACNLLFVCLFVITNQWIRLPKPIRFH SFLGGSHFILTSPSTPRWFALL
SRTKKLKP SDTNGWC PFCERVWVAVRAKGLPYQETLVPLQKPEWYKQMVPTGLVPAVL
HGETEDKTDEGGSEPTSRRELWVESDAILQALDDKFPD TVRLTRK GDEDEYKALDLQNRV
QAEGFRFAYGNRNGTATEAELEEIRSGFEAVLDELDEALGAQTGGNFR LGADFSGIDAIM
VPTLERWRYQLPLTEAFDILEGRPHLREWFEAMDAFPAYSGRVAGDEYSWTATASMFLRY
FGGGEDKPKVAEG IARADAAAEDLSGGFADGLGSIATPREAALEAAA KLVSNHDAVLRDC
LGAVEPKSQGHI PRADEEKGPTVDALLRHVASLLLD AARGGERATPLAPPSIRGGRSTGE
KTQ GALALRTVAKRLCVRPRDMGAPSAALLRGILATVADDLSPVE

>comp4882_c0_seq1; 879 86 2443 LEN=2497; translated
MFAGKFLKQTGSLFSSRGSTDTSAVDERELHDL EGRELQKKTNSREIRSNSSASDYSKEY
FEAPSMSIDSDIDRLEDLLQMGCM DALFLPQDPKPAAKKSLVKVNSQGHRELNLNVK GAL
ALGLEAQMR EDAKNRKEGNHSFYLEDGTKVPEFHKNDFRSLMSLSHESASSGDFDDGRS
DDSDIRNANFNQPFQLP PPHMQQPH PASWQH QHQHQHYNPHMFHDNQN DYYQQQYHQMP
MMAQPN SPYAMVAHGISPPFFHQAPPQERKSGIMEVKSEVSAPGRMPLQIVLENTSSYE
EDSCLSYENAAAPDP PQLSSLERIPEDDYSSCASSEKESDTSIVACGSMKSDNGKNSRGS
NRASKGDVPKEINPNEILPKEI VPKSGKRLTNLERWKKANIQR LYLKKNQMALTGIGSPE
ESPAAQQSRRGEVNL PVVNDKPEDTVSVGSDEAAQSTVSGEEAVEEASEEATQ PVERSG
SDNTTDTKTTTTEVSNHRS AHTVSTDDHAKPFDEPETVSEAMTFDSILSRRIEKRRATK LK
MGTRSDLASLDHDDHSMES SGWDRDDTENHLPSHGHDSSKPRKQERRKNPFEDDDFLCS
DDGEDEDEDEDEDYHPLLTKSSSDDD GIDIPSPRHYSKPSRPMPLPRAHQGSSPRYT KTT
VASPQRAVLS PRSNGGNRSGGGFSPSSPRSSYHQKSSPRVSGRVAAAIQKFEKKTPTAKH
QPQGYQPQKQRSVRANEWHGSIENVSEKMASASIGGKVPQYSPDPVGYGIDEVCSYDT
PFDES

>comp4883_c0_seq1; 1028 203 1969 LEN=1999; translated
MRFSTCAVLLLVAGVDNIAAAKKAPRSASSRRSSSSGRPSRRSPSSRRPPVSKRRA
E IYEDDEDYDVGFDDPFDEDEYEDAVDDAESEEEEEEEYRPKRKSSGSSRRPPPRKS
ASRRSSKYDEDDYPPRRRQSGRRPPPGRRP GPPPRGNRRPGRGGRVVPYTNRRQQPSTF
TRGLSAIRNSMPDASSVKEAAMKSLSVARETT SGLSANLYREVKGLTSSELEQVMLKATR
PDDTPVKGKHAERLVGVTYQISARYDIYDAVLRK LKMAEKDWRTTIKALYILHRFSAD
GSPEHAPALKARVRELRRTRDPKRGKFFSKLLLAGDTSEETAKYRAFLGRYAHYVLLR
AQCFGMFDEIAAPSAKDTKKKKAAPK PITSTSLKADHLDAKLLLETGLACVLKKG EEN
ENTALAVERVASDLLGLTTAVTGALTRALKDDDLKGA DPVLIKKWCEFYS ELLPQTRSM
VKKTAPTLDAYGLFLPSRMGPTLSQDLLQKGLKLD ESSSAGDAEESETSKKEASSDEEKE
SDHADEEAAGESDAPLEDEDEVEEELDDMEYEYDEEEYDDEDEL

>comp4885_c0_seq1; 256 1 995 LEN=1031; translated
XPVLP SLS DRLGARVALGHDAVGF GFTDRPKDPFWYTAGQSSRIARAVLAKETQGTVEPK
EPVCLVGHSMGSLSVLRLALLLPEETPKLVVLS SPALGLLKRRAEPKTPPAARSILRAIG
AGLAKKMLLPPSRYLLRRAIGAEGAWKKGLEAAWGDPSALKEDSDVLRYSWPSIGAGWED
GILRFVRAQALPAEDDLEDDAVLLEKVLLELPSTRVVLVVLGERDRVVQGSALRAFLESVEK
APRAQARFSPVVVELDRLGHNAFEEDREVFCDLLERLVEDHWDG VVADDDYDGDWQDGI ES
NPIHTIRGRVATQYCYPAASKSRTVVRAQYF

>comp4886_c0_seq1; 513 106 1938 LEN=2938; translated
MKGNNRRGRVCNGVALRWMRDPQMRRRIILFTIAASGILYCIVDRIQMTSLLLLSPLDDTY S
NSYYLRSSLPSSTTDIHRSTLSGSAEPEHQNNVLCDFYLAESAIPRGGLGVFTTLPLNKG
DQAQGWPDICIYLT DARQSKGTEIDTHTWQSFRFGAQLGGRREVRAACMGLVTIFNSMG
MKEYASARPDAKAGLIHTNGGLDRSRDPGAGAITHYYGASSVAIRDLLPGSELMLWDSGH
GGDQYALDEVKNDGRSELGIELVPPP IRSPEWLQKHGMCADNIQVKLATDP SMGRGAFAK
RFLEKGSVIAPAPLQMYPNRSKFMPTDQERKRREKALDIKYENDQLLVNYAFQPKGSTL
LLYPYGPVGLINHANKKSGKINAVLRWSNHMNHGTQWLDSSFSLDQFWKMQYPGSLIL
DFVALRDILEGEEIFIDYGT EWEEAWKQHVKNWKPYVSSKNHYVYPADEM SRHRDPIKPY
RTELEQETKPYADNLMMVCNTDISDNRKARRKWKPTKFWAENLAEC SVLTRS YDES LKTF
LYQVQLWPDEEETDSEDGKQIKYVDFDVP HSAIRFVDKPFQSDQHIPNAFRHP IGFPEEL
TPSFWKNDSD

>comp4887_c0_seq1; 431 82 1308 LEN=1490; translated
MTSSSKKSSRQLTSAILVALAISSNPQFADAFVPP TNSVTTSESRSTPALLAGFGSSASP
SPKNKKKKGKRGKTKNTSETPDQLKQRWANKMKKVYGGTSKEAIAAGTEKRI AHLMKNSLD
ESVQKALELREIVQMFERRITGMGPEDIRQRY SQEELTAIQNRRTFEEHMETNDLTEED
LQVAMQKLTWDASADAKACRSVTGNMPATFKNRVTKAAQVAYEAATDKE SLVLDVGCY G
VLVFPFLKAGFKPSQIHGVDLSGEMIGHAKSFYDPVASKGSFEARDFFGDTEDDQKNKYS
SVLFC SALHDLDPKRAL LKARDDL DKGPGSRLVIVHAQGA FHVLNQNKNQNP LLVPRGL
PTS AELKEWLCEEGEDSGKSSMKLVHEPAEPKSQQEVREGYLAVLETV

>comp4888_c0_seq1; 326 329 1549 LEN=1846; translated
MATESLFD PQKQFLSKPLRQRMQT TTFPCFIVVIVVAIAASNLSLSRALS NQRCIHRSR
RSVVSSFS TVGFHPAIGSMKAEHANGVKTFRSGVQLYASVKSSNKTRKRKQKRGSKKVS
GEEKKRGSPAPAPGHSVSEDELHQHLDAQFN YGNSSPVGPRSRLRGIIEKDGGEKDGIED
ENADTKMREQQFFLRQLN NRPTLV LNANYLPLGYMPLSLWSWQDAVKAI FKGSVTVVDVY
PDITVRASNIKVPLPSVIALNDXRPPEADQARVYAQERLSEGRVHMPV LREPVP HDGPLP
RPRDPEIDGRPAHVGEHRDL LQEMQRQEV EHTAGRTGFDRDEAE PASDLSHPGGTGGEV G
PDDPQAGPSDVEALPGHPGTAAPSSASGASGTKGDEEFIDDRYFEE

>comp4888_c0_seq2; 298 329 1669 LEN=1966; translated
MATESLFD PQKQFLSKPLRQRMQT TTFPCFIVVIVVAIAASNLSLSRALS NQRCIHRSR
RSVVSSFS TVGFHPAIGSMKAEHANGVKTFRSGVQLYASVKSSNKTRKRKQKRGSKKVS
GEEKKRGSPAPAPGHSVSEDELHQHLDAQFN YGNSSPVGPRSRLRGIIEKDGGEKDGIED
ENADTKMREQQFXSEAI EQSSNVGIERKLP GK FATNHCGAFACWRISMVSGKVLPSPR LQ
SKPLSPVFSIATGLYATESLVVAGCRQGD FQGQRHRGRCLSRHYRSGIKHQGAPAVRHCP
ERFRPPEADQARVYAQERLSEGRVHMPV LREPVP HDGPLRPRDPEIDGRPAHVGEHRDL
LQEMQRQEV EHTAGRTGFDRDEAE PASDLSHPGGTGGEVGPDDPQAGPSDVEALPGHPGT
AAPSSASGASGTKGDEEFIDDRYFEE

>comp4889_c0_seq1; 943 259 2715 LEN=3004; translated
MRIFAAALLLLNTDGN SVGAQMMGGYGARREEKHHRGEYHEEPEHILTKEEIGDRDRFW
KRNLVEESIVHEGVNHYHNIKNCIQERL TEKEFSELKTVNNHSVRSIGRTIDDPNNHGIP
MLVTVENAMHP THVRAVQTLASCIR SFLPHLYESRAMYQEMNLDEDDGSGGNCPTH LAPL
VGVFLPEVDREMAATLEVAYRGT PGIATVKEDQADPHMPRDKKLYPPAEVGV RASEHLT
YSDFPRLAEHHDGDTCYTMNFAFSAPGDYEGGEFFILSYDDDGENEFRDTIKPNQYDALV
FLGGRYLHGVNEIHGGHREMFSTELWAYPDT PFGSSLWSNFPNNMEDYVERCNKEQAKTG
SDTCTLPYDLITPFADSREEV RKKYEGGGDDDEDDDDAKQYDYDRSERDGHGDPLPP
PLPGIDRQH DNKIRPNRVRPN SLRATR VVFTDGYGKEMELDDFY PHEDEPDFLVPKKLG V
AEMEP IRWREDLSPVDGPDGESFVIGFPPELHEEFKKYVARSGMMRIA HQILYQEELEP
DEQRIYTLDDGEKWTAMVQGSWDTDMVWLD PGDESCFESLLGVLRRGGFDKVLDKVGKTF
DLNGLMIQGVGAI FLSEYTKTENMHVDI PGRSGSFYNIIVPVHI PADDVAIFKISDKGDD
FQGR IKLDPNVGVVLGGESRHGTGECNYRKR EDRFLSFAVYVADINDENIEMIAGDSTSL
WPTQGD TFFFESQKRLWTRD GKNSLARDRGRAPMNIQDSLPECATMDRDLCTR DVQGM R
LACPKTCELYLEDDVYYSRYFPNRTAEPPTCDNPACDA

>comp4890_c0_seq1; 544 1 1736 LEN=1919; translated

XGDTPTDVVKESIEGSREVVDQIYKAEHENLKTHMAHMENDETNVDEDSDDDEAPDLIAI
APDRVEKRPDGGGDGAPASNSPDGSGVETPPPCPVITILSGFLGSGKTTLIQYILKSPD
HGRRIAVIENEFGEGLAIESLIARDGIDPGSGSLQDLIELPNGCVCTVKDSLVTLENL
IAKRSLDLYILIEASGMADPGPIASVFWLDDALESRLKLDGIVTLVDGRHILDQLEATEE
AARQIAYADRILLNKVDLLEGNAPGESVTASSVRSRSVSEVEQVLRKIHPTAPILRTSFS
KVPNLDWILDADCFSGFDHLEVEHGLAHASSSAGKTHGNSERGHGHDDHNNHHHEHGDGH
DCSECCEHDGTDHHTHEHHHHHADHHEHTHTNSISTVAFEQPGTVDVARLNAWLADILWPN
QDETDKVLTAHLRQEEDGGKHDEGRGDPPMGNTRNGRHESGSKEGTQQQIFRIKILSV
EASDDYFWDESGAGDVCDSEAGGRGSSSSSTTTTTLVLDPRRFIVQAVHDLWDIQPV TSA
NLHWNTGEERVGKIVVIGKSLREADLRAGFEACFLQDA

>comp4891_c0_seq1; 167 82 444 LEN=1335; translated
MPAPTAHRHMSAAHASTEGRNSNSGNHRQNHHRRLQSHQSAANSQARLEQLFDEQDHR
CSEGNRKALLAENLDQLRGLAKVLEADDWKYHSNNTNSNNTFPWPSTMLSSAGGGSNHA

>comp4892_c0_seq1; 123 1 869 LEN=1011; translated
XSHSNSSHSSQFRSNSHLRSNSFPSIHDQDRRWVPALPGPGKTHHLSQLPPLRVRDGV
GVRVRLWALPAPAPPLSVPRCWVPEANAAEAETEAGAAPTXTIVRWSSGPIGSGVSPD
PPERNAWDALWLSGGPLPESLHLDEETAGEVLELVLVGSFYGSSVFGCHERAASIGITGSL
LEEVCGPEVVLGLEGSFWHKRSTVLGRAAVWLNARIPEVASVVVSDLEDLEDFEERDEE
SGEVLFRDRKSEDFNGDRATMEYQGLDPDRGPFQPSAMGGGGSMINPA

>comp4893_c0_seq1; 169 1 839 LEN=973; translated
XENEFCLNEKGTAVQKCFLSHSKEIDRAMGFPTDTFYEAFPWARKVHTLLNQWTS
SHIPPPPLPDPGTRKILLITAHPLPESFSMAIAGTVEDTARKEGHEVQRIDLGLERFSPSLT
GDERAGYFLDRDQETRKTLPHQIRGYIRKLRWCDTLFVVYPTWWMGTPAVLKGFFDRTRL
LHHTWGFPEAASPASILPAGLAPGLTNIRRVVIGISTYGASRAAVLAAGDNGRSMISRPIT
AVFHPDCTVLWHGLYDMDFTTLPQRQAFLEVEATVRDRV

>comp4895_c0_seq1; 503 186 1715 LEN=1910; translated
MTANAEARALLDQLMGVERDALLPAGAALPRKNRPLGDGGMILPGAARSKSCYDRDIDP
LYCAWGVDIYELFVNTKSDIGPNPYTADEAARKEYVSLPREEKDRLGYESRFLVVKLQEL
VQHCDRTVNRNHEKLRKRELQRQAQKRGNDYVVDVSEEKVEELVRAECQLEDMKEDLVKAL
KILDEVQIKEEAILDEQRKELMLKKAKEKPNETNGETTTVKAEEGGDEPEKAVTKEQETPD
AAVKTEDEQGANPTIVVDRQGVESDSTNNEAIKTNSDGKLEVQKDDGDRKELDKNDANG
DPSGSATLEELGKLALQSLCQIATIIISQLGPQEESEIELHAKLNFVRSDDTTDKTV
EVSGNFMASARDADERIAAHYAGKYVGVWKLVRDKYQEMVKKYGRYGPGRGGGAPLM
SHQKYQQMQGGGGHGDRLDRYRGRGDDRRGGSSYGRDGRWERRGGYGRGGYGRGDSRGGY
DDRRRGSYGRDRDRDRGGYRGGGGYGSRR

>comp4895_c0_seq2; 485 539 1945 LEN=2140; translated
MILPGAARSKSCYDRDIDPLYCAWGVDIYELFVNTKSDIGPNPYTADEAARKEYVSLPRE
EKDRLGYESRFLVVKLQELVQHCDRTVNRNHEKLRKRELQRQAQKRGNDYVVDVSEEKVEE
LVRAECQLEDMKEDLVKALKILDEVQIKEEAILDEQRKELMLKKAKEKPNETNGETTTVK
AEEGGDEPEKAVTKEQETPDAAVKTEDEQGANPTIVVDRQGVESDSTNNEAIKTNSDGK
LEVQKDDGDRKELDKNDANGDPSGSATLEELGKLALQSLCQIATIIISQLGPQEESEIEL
LHAKLNFVRSDDTTDKTVCEVSGNFMASARDADERIAAHYAGKYVGVWKLVRDKYQEMVKK
YGRYGPGRGGGAPLM SHQKYQQMQGGGGHGDRLDRYRGRGDDRRGGSSYGRDGRWERR
GGYGRGGYGRGDSRGGYDDRRRGSYGRDRDRDRGGYRGGGGYGSRR

>comp4897_c0_seq1; 1103 175 2520 LEN=2817; translated
MMALDCGSLEFLSPFPLQPVSVDNSDFDELPEERLEITRRNLQEVQANLRIKNSEYEDL
QQEMKFHAIKNEELMDVVNAFRSSSVDRSRDIMKAKAEQNSLTLQNHALRDLTLTKSGEE
IAALQQEIREKTAEGESLSSQKRSHERLQAQLNDLVKTLKVEVSNVDIPSEWINFKWIG
IGGKGDASDITYEHSKAIELISGITAMNADRERLLKESKLYSQSDGAKEARIASLERQL
RQTEHERDELKETTDALHQRMAVREGKIGALEELFQNIINSNRTLEARTRRKSQVSMDRSQ
RSLLEDDDDDEDYDCVDIDSTAGDKSVAQTFEEMFVNIWTSVTGGSRGDDNDDSSRGN
SSQASTCLSTNSYHTKQIEDELQAAARQEFEEELQESHQLLNEDYESAQFKISDLSARLEE
TTIKANSFEKKAGLREVMLKDVIIQQYKELQLEHSSSLDRVEQLKQKVKVVFVQREQEREQE
RIASEAVTANGNVKGSSTVLLVEETPTFDMSERTERTSNDTEVGEDSPSSPSHGLEKNFA
MEDYERLETECDRLQHEFDVAIEKINELEKALETAKAEVRDSQATQVEQARKIALLEGEK
TDLQERLIEASAKIMDSQSTHTQRTVQVEDELRLAELREQEARAKQVQREKDLWEVIEQY
KKLADEKESTEGKETEAEQDQMLTKVKIKQRDLVYERYRMEKALEEAVATEQQQLASDME
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S

>comp4898_c1_seq1; 521 10 939 LEN=1029; translated

MTNILLVLLSSFFVCAAAFSELPVLPSPSPSVAGRSPARYRMRNPTLSAGPKPDLEELEPG
VSDSNFGRMAYWDESYAPQSSSESGPSEEPNVFSWYCGWEDELGPFFFEELVPDKEALVLP
GIGNDVAIRDMFVGGYQRLMAFDYAPQGVCECARAMFGEDRLRTISERLGRGRQPPQTED
TDGNGVLRVCDARDLSSEYGDNTFDVAVLDKGTDFDSIYLSGGKDKKARANLSMAVAEMKR
VVKEDTGIIFSVTAACVDAVREAFDSDEDWHQLRDLGSMHITEDGYASNNVDATMLAWQLR
RGSTGAAAT

>comp4899_c0_seq1; 251 231 1193 LEN=1758; translated
MGTSKDVKSKNKDTGSSKTTSFSAAAKFLLIPTTATFILSAMGFSYTTIAALPYVVIKSRM
LNADKGESTAQFWTKFLIMEVFYCAMLAFVLLPMFQFTGFHTLAFYLPMTITL
HRRRHQYGPFGTFVQTFVDVPLVAGYICRELFGLRLLAPWADILDITIVQGSPPFPD
IAVLAEPYINVGLIINMCREYGGAKDEMKRCGIVQCYLPHQDTPSYESLVKGAHIKQ
FKKHNPVKRVYVHCKGGIARASTMSLAHYVSNEQDPSVAIRAMKTKRPVVFAGVKDFPA
IIKLNDRLSKEQQEPKAK

>comp4900_c0_seq1; 427 370 1605 LEN=1947; translated
MVIQAQTGSGKTLTYLLPLLSKLENRASVQAMIVVPTRELGLQVATVAKRLVARRFMVMS
LLQGSQKLRQRAWAWAETPQVIGTPELDMVQYAGLPRISSIKTVVVEVDACLHQS
GTSLQGSNIKNSDARTLSSSLHVLLSKFLSPTYADDGIDEDDVIADDSNKKRKRKF
RHRQTIFCSATIPQHRYFLKQCKSNQWTLLEPVYVCTSPGEALPPTLKHAYMVCQSKTKK
MGTLRNLLKLNSTPNKVMIFVDSTRPLDSIGKNLSDNLDEGILYEDRKTILDDIESKPV
VSILHYDDSLSRAGATKAFTGSDFRVMVTTDLAARGLDILGVSHIIHFDLPPDADTYL
HRSGRAGRLGKKQVISILSDDQEFVLKRLMNALNVDKCVGRQKAKKNS

>comp4901_c0_seq1; 1079 266 2884 LEN=3156; translated
MARWFRSEPMYVSLILNEDAAHDCLADLGLGLVLFQFTDLNPELTPFQRRYVSYVKRCDE
LERILRYIHGEIDRFEDLELAPAGSVDSFLEESVGTQKTDRSGNSKLDVLETDLGGYERQ
LRELGLYSEKLTQHYNKVELQQVLEKARDFFRDRNESTTTPRLDIMRFQSIAGVISTE
EKVRFERMIFFTRGNLSVSPAPIEEPITDPETGKEADKSVFLVFFKSKAIEVKLKRICD
AFMAHRYTLPDMDLATVEKLLLEENARELEDSETVLKKNRDTRYKLCCKELAAKCEKWTWI
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FLAGCSLVWNEQAVENGPKPDELTAGLHTGRYMMLMMGFFAVYAGFVYNDCFSLGMNLF
TRYSGFDGMDGTTEEGDVAVLNAPYGSDESVPYFGLDPIWHVASNELFFNSFKMKLSVI
LGI IQMSFGILLKGSNAVYFKQPLDLFLEVGMVVFATSLFLYMVVMIFMKWSIDWNHRM
SLATCYDPTGTEWQSDWTVCDGGTQDANGLCTPWGHSCTDSDTTADKCPDYGGSGDGCQ
PPSLITSLINIALAPGSVDEPLYAGQAALQNLNLLLVAVVSVVLLAKPIVLHQRAQEAH
AKEVHVAVDGCDEEHGHGGDDHGESDEEHGFGEIIHQAIETIEFVLGMVSNATASYL
RLWALS LAHSELAQVFWQKCLLTLPLGWLPTYLGFLFAAITLGVLLMMDVLECF LHAL
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>comp4902_c0_seq1; 108 1 381 LEN=413; translated
KKSVMGRPRSTRGRRLHDSEMPPPPVPNTNSLVSGPMKSVEGWVIFVTGVHEEAHEDDIRE
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KSNSTR

>comp4904_c0_seq1; 286 207 1097 LEN=1280; translated
MTEVIFSSHFASSHPCNHHHSLQSSNSDFVDTKKKTLMTTEATDFIFLNQALPIDFEP
GEFDVICSQGGKAKVHTGNIYFRAVVQKRAKEYSKTFGKKDKSKIVRDI IQHIQTKSPSG
GFVQKIAVTETIKGRCSWKLIDAERAREKVSQCLRNILVGQYRSSQDAKKRSRKESNLKK
IIDFQEI VASNHVFSERIRQLAMMIRKNCLSEPQFLRLMSKTNLEI LLELKNQTVQRKV
QSRTPSTVRNHEEEVEFANESFPSPCTCGVDEILKKFQSDEMYILLQQPDTKRRKTK

>comp4905_c0_seq1; 487 333 2514 LEN=2646; translated
MKI ISSFTVCFALSTVLFAAPAIHGMPANPLGSFIETQPDGTNITLRLHGDPHDAWMTDE
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SVVDTQSSPSTTVNGTVITTISSFNKQKNIRPTKRDCRDKICGEHDERGDNHQENILQGL
RGVNTSPSTNTATSFVASTYAKRHGDGPGKVRRLNVLVLLKWSHDNDRVLPREDYEV
MNNRGP NARFCPTGSVRDVFLENSYGALEVDSYVTDWIPMDNTEAFYSNGDKGTTTRI QD
AIRYALNYVDGRIVDGVSVYNKVDFDFDEDRDGYIDSITFIHSGYAAELGGTDFYGRFY
EER IWSHKWSLYHEQFQSKKGRNVVSTYHISGLWGLDGSRIGRIGVLAHEMAHFLGLP
DLYDHDSSSRGVNYGLMANSWGSNGQQLHPPYMSAWAKMILGWVTPIEPTPGTNIIEAA
AEQNPFQPVYIIQEGFPEGEFLLIENRQPVGYDAYLPQGG LAIWHIDYGSTKSYNIWDV
YMRQSREGYP AQEGWPENGNHYAVALLQADGYDLEMGFNFGDYEDLFHASDVDELVPCR
RKHDCQYPNTDSYQGGNIVRSNVHITDISESGRIMTFDYWVGEFGTIPTNSPTGYPTYFP
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EHSTKA

>comp4906_c0_seq1; 144 1 898 LEN=974; translated
RKNVKLTLQPLSADVEFFPEHDPMSYDGMRKVGGRAQFATSNYFWSSSSPSPTPQQSTV
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SLARVVIIDWKGQILFDEYIKQSEPVTDYRTFVSGITEQDLSQATMSLETNRNRVSAILF
NHILVGHGLENLNLVGINHPWWMIRDTACYEPPMNNRNFVLMRKLKDLVHENLGKEIQ
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>comp4907_c0_seq1; 780 255 2114 LEN=2245; translated
MINFIVLSIIFCIISSKNGSFKNFIDAFVIREQNTVIRQCQDQSAAMFGSDAFNICRSRR
GLNTGKGTDLRNIRPRKVVASQGTMLFESVVTDDDVTGREQNQILSKEPTNSSLPTSSQ
SKASSTSSQIQVMPMDEKSAEPSTNTATTNISGKANDMTTHDKTALLGKMKESAEKDN
ADLPHPTANGGYSHTKASRAKISAANKGKTPWNKGKARSPEVRARIAAGVRRARNRQVFLK
KLEDIGMTEEEYEAKKKEERRIKEAERSRRTANGGYRPTETKKKISRILKEKHAKGEV
KKRAKPDPNRVRGFTHSEETRKKISQSLRKRWQNDKQFQKKMKDSFTNREDVRKKISDS
LKKKWQDPEFRNGMMDKMSKRKSGKDAMSYYDDNHRKKISEAMKRKWQDSSYREKTLTSIK
KSAQTRKVSSPRAKQKLPKSKPSPTRTKSPGIEEVKPMKAGDIPKRKTTRKRVTRKKTIT
KKAVKVEDGINDSSDGNSKVTAMTAVKNVRGKRKSIKGVTSSEKSPSVSSIGDKGPIAS
KEKKKTAKKKKKEKDGSVTRLREERRDLFDLLYGDEDEMNDDEEQNLGKLLSDSSSDKMD
ILFGDEDLDAFDPYGLDDY

>comp4907_c0_seq2; 338 1 778 LEN=909; translated
XCAWTSYPSSRYEILDKMSKRKSGKDAMSYYDDNHRKKISEAMKRKWQDSSYREKTLTSIK
KSAQTRKVSSPRAKQKLPKSKPSPTRTKSPGIEEVKPMKAGDIPKRKTTRKRVTRKKTIT
KKAVKVEDGINDSSDGNSKVTAMTAVKNVRGKRKSIKGVTSSEKSPSVSSIGDKGPIAS
KEKKKTAKKKKKEKDGSVTRLREERRDLFDLLYGDEDEMNDDEEQNLGKLLSDSSSDKMD
ILFGDEDLDAFDPYGLDDY

>comp4908_c0_seq1; 193 122 1291 LEN=1809; minus strand; translated
MPWVRNKSRRRWTGQDQRAPAWPRGAPPPREPLVPGSGIAAGSARNAVHTHRWRVHSI
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PQVVGSLDDHEFLGARLPDGFELVRERAVLAQAGIEGPHRGPGLPAELPLGVVQPGFDVA
VLASAAFVPLCEEEEPGEKLDERALLENRKGQPAQDPGPEQAVVPPQLGSRNGGHHVPPG
RRGGQDQLLDGGRVPCRQQESHGGQPPLRHHRRRGRPGGFSTVPVVDLPHEGLAAPGPP
EGEGEAPLVRVPGVRSGLDPAADQVGGVGPPEGGAATLCRLSLVSVLDAGQEGEIPGAKP
DPDGVNEKNVVVVTAAGFVFAIATVAAG

>comp4909_c0_seq1; 298 1 544 LEN=1014; translated
SNLSTAVFNDEHIDAELKRINQKEVIMSSNSNNTQGNIFLTENLAFSMPILVLCSTYAY
FKIVPLKYGVPILVGVFVILQIRGQVKTTLREKKIENMDESDMNDLALELEDDAEDKKEE
EEARKLEKKKARLAERLAAEERKAEKAARNQGGKSGDDDEGDVTVFAKGSRNQKKKN

>comp4909_c0_seq2; 303 417 671 LEN=1141; translated
MDESDMNDLALELEDDAEDKKEEARKLEKKKARLAERLAAEERKAEKAARNQGGK
SGDDDEGDVTVFAKGSRNQKKKN

>comp4909_c0_seq3; 303 437 691 LEN=1161; translated
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SGDDDEGDVTVFAKGSRNQKKKN

>comp4910_c0_seq1; 412 111 1908 LEN=2029; translated
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DRRSTGKFANSREIRIPIKQEILHPDYDDISLTFDVMLLVLEISPNDHSFAEVTEKIP
YMRLHSPDISIDHIADSLASPNGGGIWNAGAPEQTNLPLKAVGWGYNVDPTDDDLPTP
KSTETLQEVTLNVRNEVCLRNVEDKVDNSQKYRYRITDDMMCTYAKDRDTCNGDSGGPIM
IPNPNPNSPGEHRFIQVGIISWGEDCADHAYPGVGSRIASSYDWIRDRVCSIDGASAPN
EFGCVLGDHEFTSPVPSASPTTDEDKLVASVNLDALSMDFRSGDPSDVQVKVAIEIFLD
VFAKETISWVSLVETNTGISVMRISEKTYQHEDRTKHEVVLTEGISYTFNIKDAFGDITQL
GFYRIYVIDETKENDIGRLLVKGLGKDFEFERSHTFVVNSPATPNPASSRPSPTPTP
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>comp4911_c0_seq1; 578 241 1991 LEN=1991; translated
MEGGNAAPSATGEQGVFNAGDPSTTTGGSGNSGANGNDGEDGSGRGGSRRLSNVEQQ
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TAGLGGPGGFRGVPGLLPQGFEDPSGGLAGLQAGGVGGPPGLGGLNAMNGLGVRGPASA
LQQQQQQAMVAQQQVLAAQQQAGGADFQGLMPTGFEGADASGLPGNLAAMTGYPMFNPAA
AGLGVGADGSAGGGMMNPNAGPLGGGAPSAATMQAVRNATAGAPSLFDQGYQFARSEMA

LVRHQAAFNNLGMAGVGLAGLDRQGAAGLRALGPNPYGSYPTDPMGMGAAGPVGTDPYL
ARGGAEGGANAQHLATIPAIRLAQHRSALQRRMMANNLPERKDGSPVVLVYQESDEHKLT
AYQCLLRKQLELFEADEDVRCSTRQGR TAPIKLGQVGLRCRHCAGVQLAARTKGAAYYS
QTVEGIYQIAQNMSKVHLCECYRIPRDVRRQLIVLRSDCRAIGGKEYWSENI RALGVY
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>comp4912_c0_seq1; 425 1 1414 LEN=1564; translated
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RGYKGGRLQDQINQDRAMVVS PMDILTNSKSTPIVQLLGVFDGHGSGGEKTSQYAVEQI
PSLLATKLGAI FRNEDDRESRKQENLIAESDSPVVEALKETFDEVDKNDPTRGDAGCTAT
VVLRVGKKIFIANAGDSVSFIGIYITGESISTHLQKQVQIVYQSREDKPDLPDEKARIEA
AGGYVSI PPDDNGDVSRAYYVDEHRRRLRYGLAMSRSLGDWKVQGVIAEPIVDVLTLEDEVV
EQALSTYAKACGSKIIEESEEF GDESNGSCHVVDESDIHAF AASISDGMMDYLN TNDIGQA
LAEAFFDSENSSHPHSA AENLITSAAMGWEGEFNGQYRDDIAIASFIVPLR
>comp4912_c0_seq2; 256 1 1122 LEN=1771; translated
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RGYKGGRLQDQINQDRAMVVS PMDILTNSKSTPIVQLLGVFDGHGSGGEKTSQYAVEQI
PSLLATKLGAI FRNEDDRESRKQENLIAESDSPVVEALKETFDEVDKNDPTRGDAGCTAT
VVLRVGKKIFIANAGDRYVWFVGLSFLANGXMTQRGPQPVYQRNSVSFIGIYITGESIST
HLQKQVQIVYQSREDKPDLPDEKARIEAAGGYVSI PPDDNGDVSRAYYVDEHRRRLRYGLA
MSRSLGDWKVQGV M
>comp4912_c0_seq3; 287 1 1039 LEN=1688; translated
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RGYKGGRLQDQINQDRAMVVS PMDILTNSKSTPIVQLLGVFDGHGSGGEKTSQYAVEQI
PSLLATKLGAI FRNEDDRESRKQENLIAESDSPVVEALKETFDEVDKNDPTRGDAGCTAT
VVLRVGKKIFIANAGDSVSFIGIYITGESISTHLQKQVQIVYQSREDKPDLPDEKARIEA
AGGYVSI PPDDNGDVSRAYYVDEHRRRLRYGLAMSRSLGDWKVQGV M
>comp4912_c0_seq4; 394 1 1497 LEN=1647; translated
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RGYKGGRLQDQINQDRAMVVS PMDILTNSKSTPIVQLLGVFDGHGSGGEKTSQYAVEQI
PSLLATKLGAI FRNEDDRESRKQENLIAESDSPVVEALKETFDEVDKNDPTRGDAGCTAT
VVLRVGKKIFIANAGDRYVWFVGLSFLANGXMTQRGPQPVYQRNSVSFIGIYITGESIST
HLQKQVQIVYQSREDKPDLPDEKARIEAAGGYVSI PPDDNGDVSRAYYVDEHRRRLRYGLA
MSRSLGDWKVQGVIAEPIVDVLTLEDEVVEQALSTYAKACGSKIIEESEEF GDESNGSCHVV
DESDIHAF AASISDGMMDYLN TNDIGQALAEAFFDSENSSHPHSA AENLITSAAMGWEGE
FNGQYRDDIAIASFIVPLR
>comp4913_c0_seq1; 305 1 1291 LEN=1347; translated
XQDQSY PSTKKRYMIQRNHRKQONTKPNDRGLGSNDIPTEQYYGSGRSDLIMGHKGRPF
GRCRQFHIAASAI SVVGAATSVPMI VARGGGAPLPPPLPEPAGDGASRIREALRKDFPEI
DALCSDAYLESVASV PGRSLDYAIHRKVRESLEWRRCYGVDDLRS AFLHVRGEGGGSETH
PATNGGGVFP AHAQEPSDPEGGVREPKEVNATPTTSDDSPVSTNSENGTIRESHFVPT
PELVEVCASGAFVLRDEEMIGDLRDP AVQRDE DGSFRRENCRRLV VHADTSRLNWWRTGV
TAGLQYHVLVLEEALERIR TENQNRERNLRESVGE EAVGPLSESLVILVDTTNL PRLPPP
LSAPRGM IQLMRKAYPDRIYRIYVGPVHPWLRKLYNYLSSSLRPRTREKIVLLDEAPSLA
RFGSVRTSLQ
>comp4914_c0_seq1; 452 365 1703 LEN=1983; translated
MKSSTFLPAAVSAFLFITAQPSEAYIAGTKTKPKAPLIKKRIARSVDTTKIGSITVPTVGT
TGTISWSSNKIFSTENKELDNVVAEAYRSNAFFD TAERYGTHFKTAFGMGYGETERM TS
KYLEKAKLAEGPSLV EPVVA TKFTPI PWR TT VQSVVDACEQSCKNLGVDQIDLYQIHMPD
IVQPLRAF GKVETKDRIYWEGLAECYNRGLVKNVGV CNYGPTLVEQCHEALAEKGVPLAS
NQISY SLLGRHNGS QETIDKCNQLGVKVLAYY PFAMGLLTGKYSNAFISENDSLNGR KKS
NLELADLERYAYGDGESIPEGGIQPLLKTMATI AKRRKKT LAQIALNYIISKGAVPIPGC
RTVEQLEDNLGAMGWRLSPT EVKMLELEADKLGFGFDGAGFKRTNEKFVVTVLKNGHWIE
NNILDEEVMFKSIS SAKQNKIVAMV
>comp4916_c0_seq1; 464 68 1642 LEN=1771; translated
MKRYLTAKALAFALASQKSTKAFSS IARAVPNSFR T SRNGNSFPSIKSGYNSVVRNMV
QGVVIDNENCLVNTNPATGEIISR VKCTSPDELEGI IETARASQRAWRMKSLEVRVGLL K

ECIEELAAVSDPMIKLIVQEMGKPIGEAKEEVDYAVEDQDEYFDILLDAIKPKAYGKSTV
VRHPYGVVAIMSPWNFLGEMLLALPSLASGNTVIVKPSSEVVPETGALMVKTMQKILPE
GVIQLAQGSGSVGAALVAHPGIDLVAVTGSSATGKKILEAAAPQLKRVILEMGGKDPMVV
CADADLEKAARDAVMSLSNTGQVCCSIERIYVADSVYDEFQELARVAAMDYRVGNMGDA
GNNVGPVMSKMQKDQVHEQVEDALAKGAKLLHQSEIPETESNKGGSFYVPTVLADVDETM
KLFTEKTFGPVVAIAKFDGTEEEAVRLANDTEYGLGSSVYTKDTRKATRIASLIDAGQVG
INCYPLDNMGVQCPWVGHKASGFGFHSGKDGCLQFSIPKTIVSG
>comp4916_c0_seq2; 252 68 646 LEN=784; translated
MKRYLTAKALAFALASQQKSTKAFSSIARAVPNSFRTSRNGNSFPSIKSGYNSVVRNMV
QGVVIDNENCLVNTNPATGEIISRVKCTSPDELEGIETARASQRAWRMKSLEVRVGLLK
ECIEELAAVSDPMIKLIVQEMGKPIGEAKEEVDYAVEDQDEYFDILLDAIKPKAYGKSTV
VRHPYGVVAIMR
>comp4918_c0_seq1; 412 157 1792 LEN=1856; translated
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RFHSHKAGKITQMIARYYGCIPSPGSPAPPPSGFPPPQEFKIMPALGTHAPMTREQIETM
YGPFLAGLSDAQGGPFLVHDWRKDVVTIGHVPAAMVREATNGMVDRPWPAQLNRAVWEK
RLALHRGGEKEAPPPLVVSIGQVVPHEVMGMANFNKNLFGVGGLEAINLSHFIGAVYGM
ENMMGRADNPLRAILNRASEDFLQSKLDLWYVLTVVAPNGSLRGVFGNTIECYRRACKL
SMAANFTMLDRSPSKMVVYLDPDEFHSTWLGNAIYRTRMAIADGGELVVLAPGVKRFGE
DETVDRLIRKHGYVGTKKIMDCLNTGDDGDGDEETASSGIGRNRELAENLGAVAHLIHGSS
EGRFRVTYCPGPHLSREDVEGVGFYADLGETLREYGLDPKDLPGDGWRGGSGSGEFFFI
GNPALGLWAVPDRFEDDGRRGDPASTTSSSGKQQPNHMLFLVSGNDAQAKAWHDTTTTA
LDHY
>comp4920_c0_seq1; 187 221 865 LEN=3825; translated
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CYTVDSLEEYEDSRPCLPRKSIEMLQPKSQRVLDLLNAGYSMNQIRVCSNECDEIRKLRS
LVVRGRQGVDHRIKRVYFQHGQLFPNEDCHQE
>comp4920_c0_seq2; 171 221 853 LEN=946; translated
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CYTVDSLEEYEDSRPCLPRKSIEMLQPKSQRVLDLLNAGYSMNQIRVCSNECDEIRKLRS
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>comp4921_c0_seq1; 880 106 2346 LEN=2589; translated
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KLSPTVIACCNTVTDESSSKYSRKNDDSPREMILAGPLSSFGDILRSIENNGATLSTMR
ADSIKRNENIFFEDDDTCESAEVAAQTAVANNIKKRELKSSCSTRSRNEGLWDMHKS
KHGKEEPPVIREEQKNLSTSKAEILSKLFLRNQNTCETEETPINTLMQTTKHDEKAVD
KENDREIHFSQLFRADIISLFPFGHPDDRKKKEWPVAESNTETYAERNETNCSDSSVMA
TSPLHQTESAMTSREIDEKLRDETNNVNDLSLRPTESGEQNEKDFIGLVIITFDPTWDLV
PDESNFSTIMPRSRLKKFHEIENYTDSELLGNFAEDEFSEESIDLIAGLDESFDTEPFSK
DFVAPKSLSGSSELGFHFDRERFKVDPLHEEEICFYSDDESSIESRTAKCQMINLETMS
QLQNGIEICFPAGKRTEVIFRLVESDNAGQDEDVCCSTTTSEEYTDCEIYEQQVPVNNHT
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IFQTVPNKHLKTPPHVYVPLSPRSGTSTYYISILSKDTPDSRYEGKDACKIQFYDAVMEKS
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>comp4923_c0_seq1; 248 63 995 LEN=1083; translated
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VGE LLNLHRGQGHDIMWRENGTCPTEEYLMVKDKTGGLFRLAVGLMQAFATTNLRD
TALVNNLAVYFQIRDDFINLVDEEYMKSKSFCEDLTEGKFSFPVIHCISFPEDHRLSSI
LKQRTDDTDVKRYAQQIMVESGSLQYTRKCTSLKREITTEIERLGGNPPLMQLVLELLDI
QIHEMNSVKL
>comp4924_c0_seq1; 1089 133 3015 LEN=3100; translated
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MMDTVLNLGMNDEVVEGLAKKTGNPRFAWDSYRRFLEMFGNVVLEIPRSHFEDELDDIKY
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RQVENIRDLLGTAVNVQAMVFGNMGDTS GTGVCFTTRDPNVGTPELFGFEFLINAQGEDVVA
GVRTPRPIAEMQDVMPEVYEEFLKNTKILEEKFGDMQDI EFTIQEGKLFMLQTRNGKRGG
EAAVKIAVDLVGEGLIKDEAVAKVLPHELDQLLHPRFPDVELQEYKDAVISRGLPASPG
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GWGKPCICGCTSLSVDEANGKI I LTMDGDSQKTFKEGDF ISLNGQS GEVLEGSQTVAPPA
ITGNLKT FMEWVDDARE IDVLTNADTPADAKEARKNGANGIGLCRSEHMFFKPERIAKVR
QLILGNQEKEALKELKLFQRDDYEGIFTEMDGLPVTVRLLDPLHEFLPSLKEDSVLS
ECAEQLGITVDELKEKVEAMEEVNPMGLGRGRLGITRPSI IEMQTRAI EAALNAIDAG
VDAQPDIMVPLVGKIEEFRHQKALIQSVAKVFEK GKSCNYKIGTMIEIPRAALTAHQI
AEEAEFFSFGSNDLTQMTFGYSRDDVGSFVPNYMSQGI LQDDPFVTLDTGEGVQLIKMTV
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>comp4925_c0_seq1; 369 264 1382 LEN=2237; translated
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SRLASIRTTVNSGNLLECEICCVRKPVQEI SHCSNVTCRTNVCAMCQLRFISCRRGVYD
SNHIDEFSWIDTVQSKRLCCQTPLDVRVFAKKFFARDIEKLLTSDNSGIEIADR SALISL
FKYLRGIRKATESARADGFYNEDGPDIDIEGLFDE DENNEYHTS NSNDEYGNDDRIVNDN
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>comp4926_c0_seq1; 275 406 1350 LEN=1624; translated
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IPKLVYHIDEPAVASLTQYYRKNIPAKSDILDICSSWVSHYPLEFPETMKSISATGISGL
ELGFNDQLTGGFEARDLNEDPTLPYKDNSFDVVTCVVSIDYLI EPVKVLKEVHRVLRPGG
KAIISQSNRCFPTKAIAMWLQMNDRQHLELINGYFQYAGGFEPKAFDITATLPDNGYRD
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>comp4926_c0_seq2; 237 406 1481 LEN=1755; translated
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ELGFNDQLTGGFEARDLNEDPTLPYKDNSFDVVTCVVSIDYLI EPVKVLKEVHRVLRPGG
KAIISQSNRCFPTKAIAMVRTLLLFLFFHILLQAKLLSVALGCTSDFSFVFLTAHALT
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>comp4928_c0_seq1; 623 117 2552 LEN=2966; translated
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QSEKYDKSRFTQSDDFNRMISLANTRLGQAIDL DENNQADAALKVYISAAEMYLGVIKLT
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SYLSEEEI AVLKSSLIASGLFLPFSEEEARSLSRQVAAQKSTFKPWIDPDGDL SLSEKQ
KKRFYAWSRPHEILQRRSQMGFKQRPPSMISNISPYTIRQQYVTD CSFIASLVCALFEK
RFRKRLITPIVYPQDKGIPVYNPSGKYIVKLWLN GVARCVVDDR LPVDRQSNLLCSQT
SGDHNHLELFCPIIEKAYMKLCGGYDFPGSNSGV DFLSLTGWI PERIFFPSQHGETRDFE
TTPDRAWERLFSANSFGDCLITVSTTRDI SEQKADDLGLVTGHAYAVLDVVFQSKNGTKLL
QLKNPWARKGWTGKYSSHDKMSWRDQSLRSEVGYDPVEAAKQDDGVFWI SWEDVLRFFRN
LQLSWNPKLF SYRVTTGHFWPVEQGPKIDTFNVGENPQYI LVLS DQAVLKKATI WVLI SR
HVSKQE QEGAEVHDFLTVHLLRNSGKLERVWYPQSKKSIVNGCYTNNPHVLLRHDVTGPE
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>comp4928_c0_seq2; 535 117 2692 LEN=2713; translated
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QSEKYDKSRFTQSDDFNRMISLANTRLGQAIDL DENNQADAALKVYISAAEMYLGVIKLT
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VAAQKSTFKPWIDPDGDL SLSEKQKKRFYAWSRPHEILQRRSQMGFKQRPPSMISNISPY
TIRQQYVTD CSFIASLVCALFEKRFRKRLITPIVYPQDKGIPVYNPSGKYIVKLWLN G
VARCVVDDR LPVDRQSNLLCSQTS GDHNHLELFCPIIEKAYMKLCGGYDFPGSNSGV D
FLSLTGWI PERIFFPSQHGETRDFETTPDRAWERLFSANSFGDCLITVSTTRDI SEQKADD
LGLVTGHAYAVLDVVFQSKNGTKLLQLKNPWARKGWTGKYSSHDKMSWRDQSLRSEVGYDP
VEAAKQDDGVFWI SWEDVLRFFRN LQLSWNPKLF SYRVTTGHFWPVEQGPKIDTFNVGEN
PQYI LVLS DQAVLKKATI WVLI SRHVSKQE QEGAEVHDFLTVHLLRNSGKLERVWYPQSK

KSIVNGCYTNNPHVLLRHVDVTGPEDKYISLVLSQYEKKKDLAYTLSCYSTEPFELRRPPK
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KFMVTIETSEKITTYIA

>comp4928_c0_seq3; 602 117 2801 LEN=2822; translated
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QSEKYDKSRFTQSDDFNRMISLANTRLGQAIDL DENNQADAALKVYISAAEMYLGVIKLT
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SYLSEEEI AVLKSSLIASGLFLPFSEEEARSLSRQVAAQKSTFKPWIDPDGDLSEKQ
KKRFYAWSRPHEILQRRSQMGFKQRPPSMISNISPYTIRQQYVTDCSFIASLVCALFEK
RFRKRLITPIVYPQDKDGI PVYNPSGKYIVKLWLNGLVARCVVDDRLPVDRQSNLLCSQT
SGDHNHLELFCPIIEKAYMKLCGGYDFPGSNSGVDLFSLTGWIPIERIFFPSQHGETRDFE
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HVSKQEQEGAEVHDFLTVHLLRNSGKLERVWYPQSKKSI VNGCYTNNPHVLLRHVDVTGPE
DKYISLVLSQYEKKKDLAYTLSCYSTEPFELRRPPKPLPRKLNLSSEWTKHSAGGAFGSN
KFFVNPMFELLLTEKTTIQMRCTTSNALAVNIMLISLPDTKITRDKRNLRELVNYSKKPI
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>comp4928_c0_seq4; 556 117 2443 LEN=2857; translated
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QSEKYDKSRFTQSDDFNRMISLANTRLGQAIDL DENNQADAALKVYISAAEMYLGVIKLT
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VAAQKSTFKPWIDPDGDLSEKQKKRFYAWSRPHEILQRRSQMGFKQRPPSMISNISPY
TIRQQYVTDCSFIASLVCALFEKFRKRLITPIVYPQDKDGI PVYNPSGKYIVKLWLNGL
VARCVVDDRLPVDRQSNLLCSQTSGDHNHLELFCPIIEKAYMKLCGGYDFPGSNSGVDL
FSLTGWIPIERIFFPSQHGETRDFETPPDRAWERLFSANSFGDCLITVSTTRDISEQKADD
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VEAAKQDDGVFWISWEDVLRFFRNQLSWNPCLFSYRVTTGFWPVEQGPKIDTFNVGEN
PQYILVLSDAQAVLKKATIWLISRHVSKQEQEGAEVHDFLTVHLLRNSGKLERVWYPQSK
KSIVNGCYTNNPHVLLRHVDVTGPEDKYISLVLSQYEKKKDLAYTLSCYSTEPFELRRPPK
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>comp4929_c0_seq1; 487 79 1392 LEN=1447; translated
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IPSPSRSNSNVAARIQPGDRVLATMMDFGGTGLSEIVLAPLKHVYKLPKLSRCPVQS
AAGFANVGRNYFAAYHALVEVGGIRLNTAYHPNTNHDKIILVTGASGGVGMATIELAKAM
GCTVIAGVGSNSKREGPISVGADAVLCYGRSKAERKQFRKQVLEVSKTMAMARKANKGVD
LIVDVVMGNLFEEALVGLKPLGTIALVGFAGQKPIRPGILLVKEVRVAGSIWGSIALE
ATEERSDNKYQTMVETILGFFATGAIKGRVDRIVPLNRFIEAFEVFEVVKGRGNTVISFV
DHHDSRAESNNARSRL

>comp4930_c0_seq1; 359 1 1321 LEN=1524; translated
XASASASAFADPSPSPSPAAPPLPITESFTEDEVLAREAAARAWSRDVLAPSVRSMDIAS
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TALRFWGTSPSQRREWLPRLAGGGCLSAFCLSEQAAGSDAFALATTATASSTDGSSFVLN
GSKLWISNAREARLLLVFATVDRSLGHRGVTAFVLDRERHGNGNGSDDDDDGNGTITVGQP
ERKLGRLASSTCPVHLENVRVPASSVLGTVGEYKICIGVLNEGRIGIASQQLGIACLA
YDLALPHMMDREQFGRPIAEFQGMHQYAEMATEVHAAELLAYNACRLRERSGDPSSGGRS
SGRFAKEASMAKLACSRVAEKAASKTIEWLGGIGFTRDLPAEKFYRDCKVGSIEYGTIN
MQLQTIARILREEQASGKQR

>comp4931_c0_seq1; 289 271 650 LEN=650; translated
MQMRCNDNHGNIGNSKMSRRQTSRRSRRHRIISHFPPSLMRDASQEGDGVNRNHIDCLTD
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QQQQQQX

>comp4931_c0_seq2; 289 422 801 LEN=801; translated
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AINVLQEGRRSMSSFLQDGDQTHSSGGSGDGSIRDSLHQRVSIQQQQQQQRHQHQHIIHQ
QQQQQQX

>comp4932_c0_seq1; 1439 366 4438 LEN=4454; translated
MSTYMKRFASSTKKTDTNANIKKERTVAPALETAKQKSYRRHINRLVPPSETPAEMAPST
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TSNTEPPTTDSRVSPTEKSKTERHSDNEGDDEVLEDVEKPNLEPESSAPTSALWDEGKV
GNNSMRASSTRSMLLEKENMQRELTEVQLDRDILRLQLLEAQTELETSRTSLRDQISVLE
NQLRTFQQRRERRQSKIISGKKMDDGKSKESSHPPDPNPVNEDESAKQSAEDNFRDHNNGFD
NGLLEQIRTLERDRESREEVERALRQQLKDMTEESKEAKSQAIAEDRVRALQASIDASK
SASSTRENAENEDISVQVNTNGNEKDQVNDIDTEGVSEVASLKKSYDTLKDNNHVDSEQ
DRRKRVDVSSEKLFARSNNKNEVVHNLHLKLDDEEMAKLKLKERRRSRAVSATASFSTHR
FRALGDSSTTSFRNEHKRDDVRIAIAPDISPRSLSEETSITGLPTNTSTRQPDQLFDG
IKPTQSNPVMIGQTLGSIPEEAPNCVVNYEKELKILNTECKKQELIDSRMEKETFET
ALEESTSEILKRLSLVSEKAISARSNEEDEALNLESNVKDEEKGALGKLEEKNIQLAKSL
ETVMNVKVQLEVQLQNAMQQVNESRDEVKLNSEVTSYRSSLEQHVSEEKRLTELIESTK
NETALQAHVTRGRSEQSSYERPTMKEESNDKDGLEKILSPENDSKVAIESLLNERNNSA
LEERKAVELKLRDTSKELDESKDRESVLEKLVQEIISDKLEATQKELSGKQNRLEQASTQL
SDLEKELVGRGISKTSEENENVDFQRQIEEKGICITNLQNELSNKDRRLQQAEEQLYELEK
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QIEKQGGRLAEASLQLSELESELEFAKDDDIIEEIELSVIAMHALEIQRLEALEDSENKRRD
LEKQLASAKRMEYLESLGGEIKRGDETSTTEARRLFIEDERKSKELQSSKNQLNRQLQN
VSKLTELNKWLQLESASDEKQELIRTLTDATNRVDLLQRELEEASNVIKDLNVTNAGL
KDDLDCAEQEGDKNRRRISQMEEQKEALSEKLESAMDNLADLKKNYKESQEREALGNDV
IEKLQANLRSQAQVDESETEIRVRNLTEQLESERRSLQMTFVRRNELEETENESLKNRIRLL
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>comp4933_c0_seq1; 844 158 3085 LEN=3274; translated
MSSSSANESAWVKRQRDRQIVVLVDPYSTGCVVAQELQKRGYLIVAMWTIGFNEEMKSHV
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PSSSKILTNGTSHIPNRRDKYIQQELCRKMGLRSVRQAGSDKFDENIQSFLKSEFPFVVLK
PTESAGSDGVKLCYTFEEAKDHFETLMNGQLVNGGDCPSVLCQEFNLNGTEYVVDHVS RDG
VHKTCMIWVYDKRVANGANFVYFGMKPVPDSTPLASILIN YTRRVLDALEIKHGPTHGEI
MMTEDGPELVEMNCRAGGDTFAPLAKALTGAYSQVEMAADAFVDPFAFAQTPDRPSYP
FKAAGQEVIFVSRSKGIVKSTPGYKIIKMMPSFLHMDGMKTEGSSVVDYITDLVTGIGSVI
LMHKDPEVVKRDIDFVRYLEDINGFFVYETKLENLARPRGDAIVFSKTKTSPSKPPRAPH
RRLKSTDTSHHQHVFSDDGNLVRIMSNDRPELGGFGMPMLTKRMTTVDS SREAVVLID
PYSTGCCIAEEIMKRGFSVIALWTRGFSPMKTHVPLSCGNIKYLAEEVEEGETLAQTSQK
MYEAAGSLRVVACLAGEAGVDLADALSEHIKVRTNGTVIPNRRDKKIQQEIRKHGLRS
IRQAGGSDFGVEVKHFLETEPYPVVLKPVESAGSDGVKLSHFEAEAEHFVLMNSQMVNG
GNCPSVLCQEFRLRGKEYVVDHVS RDGGEHKTVMVWVYDKR PCHGAEFVYFGVVPVDSERE
AKIVIPYVQGVLDALAIRNGPSHAEMMTPDGPCLVEMNCRAGGDNWRPLCRHLTGGY
SQVEATVDAFLDKQQFSVLPSPKPPSPFKASGQEVILVSYGRGVKATPGFDIIKEMPSFV
YLETGVRPGSRVDYITDLFTGIGSVILMHKDPAILLEGDIQRIRDMEKNNELFTFEQQSRY
MKSPSIIIGMDKLASA

>comp4934_c0_seq1; 113 1 655 LEN=908; translated
LFFANLEHRVHPPKYTQGPSSVTLLEMASGRLLKELAEVGVKVDQSSGVSARATSDDMRRL
KKGINGPESTCYEGGIFEIDISIPKQYPFEPKMKFITKIWHPNISSQTGAICLDILKDQ
WSPALTIKTALLSLRALLSSPEPSDPQDAEVAKMYLNDRKKFEKTAKFWTESYAKEADYE
AMIKGLEDMGFDRASAKKALEKHDWDESRAVNELLGM

>comp4935_c0_seq1; 345 484 1452 LEN=1678; translated
MKHKCTHGADANKSDRLASNINEERMETVSEESIDNSIAN TVNPGVLKSKEDLSSILLEN
ENECVNHKNSKNYSSSIEVPSHLLSSSISESSYSSLYISIHNDKRN FEDNDSASGSFSD
SNSDSDPENMMKEYDDGLDINF SIARSRIADDAANEALKRLGNCECWTLISVGCSSAAD
AIHERDSRPIWQQLNQITDSRALAPFGECGLQFSVTNVPDELQLLDLPYSKTKNPERIA
MVNSXQKFDNSGEDERDAIYSVKISSDAIERCNGNEGGRFCDEEDVNSVETFVSLATDG
ANKEISYDERGHKKIAYETIEG

>comp4937_c0_seq1; 806 78 3415 LEN=3523; translated
MKRGTGISTQRLNLTSTGSIYSDDKAPEWNLKRIYGREKESKIIQNCVDKGSNGVILK
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RMNSFNLLVDDMEFLETIVPKMFREVKAECYKSRPKGLQTTSSQFGTEATVDSKTINAA
FWRIMSFLSESKPIIFFLDDLQWADQASLDALQALSTTGNIEGFWLILSYRDEEVSEGDP
VSTCLDFIKEENECVETIHIITNLDEENVNIVCSLLEQDPEQTSSELSKVIHNKTAGNPF

VIQFMKMLRHESFLNYNAMILQWEWGDVGMKEQIVHVSNDVADI IAASMSKLTESLFLAL
QMASCLGKVVPMQVLIIEFIGTCVVEEASNDEELAICGALVGIQLQGLKDVDFEAVKFGIL
VRLEDDETYVWAHDKLQFVAYSMIRRNKLNKVHKS LGMILRNMYESNPENCWALYMAADQ
LNRLTNVCCDNLNADIALSSLQASKISISKSAXFPALDMLRSAAEHLTAIADPWKTNYQL
SLEVLSSLAEMAMRFGSHKEAINAAIQVDRNAKILEDRSRAQFIFILHKLEGGNRDYKGA
VESIKSILLDYGVKFPTKIMPGQLILEYRKLRLTRGGAGEAFLNLRHLNDAHPKDRRTKI
IIILLARLIEYLDHGEKTTDLQSYAAMRILNIISSKEGTCAATALGVACFGSNMIQDGREY
DAREFGELAIKLVDSFSPKVGSGHALVHSHVAYGVLSQAVPFHDLPLLDLNRISLRGG
GISEGAMAWIGYAYTYMVCVGLPLHPLDLDLSSFSKNARQFRLPATFKVLFPIIRQAIQNL
QELKSNPTLLKGDADFQEKELKNFKDLGHKMTLRDINSFRLMLACIYQDWKIAEELVVAL
EPYLGDKLFI RGHILLVYMGYACIVLSRRANMI TRLHHRQLGRKI IKTFKDQLKNGSPN
ALPVMMLEAIESPSKERFDEAIRVTARLGMVQHAADVYENAGLFFTEQNEGLAEYYFS
EASKLYTDWGATGKTKDMIEKHNFLGSSSLNRNQSNFGFIKGRTRFSPETMLSMQEIKIGP
GSSERISDITGGISKGSNLSSSVASTLFTSTK

>comp4938_c0_seq1; 633 1 1685 LEN=1889; translated
XATLIGDYQANSIRGILAI FHNQLVAKLIVKITARQSLWLP IENLYHHPMTSTSKFLLVA
VVWSSCFTTFSSGFQGHNLNIHGLNAGKRTTTTLHTIPESLAEETWQAYLDEDTTGLIYYF
DTSTGESRWEPTSTFPEVRLPRRKQRLADNLRREYRKERIEAMETEDEGEIVGGFSA
MTSVLDQEEAVVEETESVDDSQTEDEEEEEQPSGGFFGNLFGGNTADQDTIEDTASVEEIT
EEESEQPTEKNFFSSIFGSGGSASAEVEDTGVI EDEPAEPDEKKS GMFSAPFFSTSSDR
AQKEVQEKIIDDSPKPIKIEIGSHILPHPAKVRWGGEDATFIKGRTFGVFDGVS GAEKLD
GVPLYSR TLASEMKRMCGMNGETVQDMTAYMSSAASYADGAATGASTAVVASIGEDGFLQ
ALNVGDSACMVVRDGVKTAKTREISHYWECPYQLSESDSPDQPKDGT KLNVELIPGDIVLM
GSDGVFDNMSSDQLLELVAKSPSVKATTLAKRVCDASRKISLDKTA VTPYSKQAQRGDR
DYRDGLGGKVDDISCI VVACK

>comp4939_c0_seq1; 175 1 318 LEN=758; translated
IGEAVKSGEDLAAPITFTPFKNKDHSNYVANQGR LRSEVGDAAKSGEDLAAPITFTPYK
NEDHSNKVANPNILVATEKKGKQMKTAGNLAKPITHIRDAMKNVSM

>comp4941_c0_seq1; 522 220 1740 LEN=1740; translated
MVLVCRSGFRARNSAVVAASFGRHHPAAGGSCARDGNLRTPSTTSR LFSKPKQKMSKSS
SSSSSSSKRKTPPPPPLLPEDFPEWAYEPRDFFRFEILHESTKSQARVGR IHTPHGII
DTPGYAVATNAALKGVDLRDADKAGQQLIFSN TYHMLHPGADLIAEAGGIHNFTRRD
RPFITDSGGFQVFSLAYGVSQFELS SKGELKRASKSKKNHNGNGMGKDAVKVSE DGVVFR
SYRDGSKFLLTPESTVEAQKIGADIIIPDELPPYHIDR KVL EESVDRSHRWEARSLRA
HIENVREQAMYCVVHGGIDRELRTKSVDFLTSLPFDG YAI GGS LGNVKQELKDLLDWMMP
MFDDSDGKNRKGKPRHLLGIADEENIRHAVARGIDTLD SCYPTR IARHGTVLTKDGPLR
LKSGKHSKEFGTKIDGACTCPTCQHYDRAYLWHLFKANEPLAVTLAAQHNIHYMNDMMRT
IREDIMEKEYDVPSSTKTCSIYFSTAX

>comp4945_c0_seq1; 316 434 1183 LEN=1424; translated
MPLGDEESAIILTSSPKPDGLEERVTSLSLSANGQPQHPQQIPMATNHTPSARGRHSLE
MKKNQAPPMPKLLHPILHSLPLHFRFGLNGFLSNVLFMVAYNA AVVQFGQNASSTIYAT
VYLIFIPISHAFISLLVFGWPERYVRS LMSNAPVGLTAIVLGAALTAYLDEIEFNGWVAD
AVTEYWAMMGYKIETTTDATTEPTTVQDEESRGGGEFYSSLFVLI VTIWTFVLSVMVNAP
QESQEKKDL

>comp4945_c0_seq2; 245 306 611 LEN=852; translated
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ESRGGGEFYSSLFVLI VTIWTFVLSVMVNAPQESQEKKDL

>comp4945_c0_seq3; 162 434 661 LEN=877; translated
MPLGDEESAIILTSSPKPDGLEERVTSLSLSANGQPQHPQQIPMATNHTPSARGRHSLE
MKKNQAPPMPKLLHP

>comp4948_c0_seq1; 231 484 945 LEN=1721; translated
MDSSNHEHTASAARPPRASPLAEPKNGTPTAVKDTNIASTAVKRPLASATLSPCAHEAPA
AQVAAADNQTRENTTNSKAIQNTKKKKPFQAQKQLPFKAKKTLKTKKKKKFSSILSGMM
KPKEKKAADLVKDREEARLKHLLGGGAFKVDKI

>comp4949_c0_seq1; 279 1 647 LEN=666; translated
QQQQQEEEEPPNGESKSSSGDTTAETALSDARIPRAELARRMGQLLGR LHNI GIVHGDLT
TSNMVLLPAESKPEPRDDTPSDGNGDAFELALIDFGLSKSTDSSEEQAVDLYVLERALL
STHPDLPGGFETVLEEYKATTEGDQAPGGDAGKSKKRKNHCQSALVRLEQXADAGEETG
VFWLIRENEEPSKALRRAAPPRPALRYTTPRYNRK

>comp4950_c0_seq1; 365 143 1518 LEN=1622; translated

MAQRDLNQHRRTQASLPKFSKSRDGEVEGKGRVSYGNDDIGTWEWKGGKGGDKKSKSS
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SDSEDARPSTETSNDPCPPERTIVPPSPSFVSTKNPTRAPSPTIATDKENTMSVNLPIY
AIDYTFQSRTPIKVDLFLQLTQSFKNYMLTAYEVSAQVTLVDFSTSFVTAHFTPG
EPIHIQYNSTAYFDSK SINIPTAQNLVVLNSLVSTQAYVDDLQSQLEEVNPFSSSTEA
IFTDPKDLVPTQSSAKTEVGAASASVAAALYPYSSSECPFFTHEKSTDDNVYDERVKKEI
KGDTTVAGETYVMENDHFSQGISLSDSLSMRSSEHDQLPNSTSLGGETIHQNI PKSRTIK
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>comp4951_c0_seq1; 212 386 1444 LEN=1634; translated
MCKPEQASKESDPQSKDAKDEVIGTNPKRQMSKNKSQQKDVASMSVLSGVLHGCVVWV
FAANLPFFLSGADVYHKLQHASFRYDASISLFDNTVLTGTYAIAAMTLAIAFWILRT
SNRAETQVAAKLSKLSALMLVLYATSTFAGGLGHHFFLTVDSRNTNLFVWLTVCVGGVY
LAPMTGMIGNECLRIFQPRSNCPPLLKSMPLLTDTYWCYGSIGTIAWILGFSSFPQRPV
CDIFLAGITQTPCTFYFMAFLYLVEHPVITNAVKNRGLVGFIMNAFLLPLYPVLVFNFG
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>comp4952_c0_seq1; 434 1 1373 LEN=2027; translated
XTKPN SIRETPFKALTMRLMVSALLFLGHCPGLVDANTGIEALVSKAKRKFYSYQSDP
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NVAYSLYGVRAGDESPQDACRRYYINTFFTSNGIEEFGLVGLNHEDATTQCTLVGD
ENGDDADGADYDSFQHNTIYQNAQSYTTFCADGRFVNTLFGGAYCTGKSDLEVLDPD
DLNSELMELECALVYTAENENNGGNDVGDENENARKLEDEGERDEGDNDQQENSDEE
DNEDDNGDQDNEKQENEGNGNDKGGTLWNVLSHSSTCSILEYPNACPDYRAKKHFDMP
RTSSGF SRRLNPVDWFLVFLVGLSVLLAVTLIEDRQPEEKRSKASFLLDLVLDPAL
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>comp4953_c0_seq1; 163 413 852 LEN=1459; translated
MTPLKDLVEKVVTKAICHKXQPPPLVLTDDTPYTKNESMETTIDSPCVLTTSKSSASQG
ENEKDSLAPAFLCRDDYPEGWLIYHSVLGVISLTEAERYDEQQLLDKGS DKNQDYRKK
TLHFQ SATNETGIRLAKTIATGSDGS
>comp4954_c0_seq1; 336 170 1204 LEN=2075; translated
MRIFGAVSAFLVLVSPILLCEGFANAGKRRGLRSTFDSIEGLLRVSREDDVVDNPNLS
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VSPQQLPELHDLLEACTVLNFPSTFVPELYVQSNPQANAYTLALQSRNNSKKDKDGNPY
SSSVIVVTSALVDRCTPRELQSVLGHGLKCEHALYTLGNLASSPLSRLPVMGPRVD
STLQDWRLAAEYSCDRAALLVAQDSNIVASALMKLFAGTSRYDLNTEAFIEQSLDYERQL
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>comp4956_c0_seq1; 627 158 1705 LEN=2045; translated
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TNKLVDMI VHKKPDEKPSNTFGFRDDPLMQLALIFSALIHVDHRGIPNRQLALEDEELA
MKYNDQSI AENESLFIGFSEILKKEYDKLRSVIFPQREYRRFRAACVNLVLTDDIASPE
RTQLGKSKWKAAGFDPYETVERKVMKKAQGHREDPTQILKDMHVEKSANEDESSVSSYN
SYEDEDNNGREARRIQKSKDKELSGKALKFHRRLSQAGTSTPSSPRKSSRLGFRRTMDL
TGESIETYPGKKRVSASGDGLFDVPQIDLPPEKIDDLRESVIMETI IKSADVAHNLQGF
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>comp4958_c0_seq1; 535 261 1865 LEN=2320; translated
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GASTMDGDHYFGHVFLDKGSENLDNPDHALQVGDEGLMRISDARQIMDDGRLTLLVQAL
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>comp4960_c0_seq1; 440 1 1525 LEN=1622; translated
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PYQQCMAKEEMTGGEDSKVFCDCRGI SEEGDYMLLCSYDAHDYCSTGSSGGDEICATI
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GREDALDVSARVGAGTRAFHDL SIDCSNVFGGETATYECGSAGVGELSLLAGELSAASEA
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>comp4961_c0_seq1; 281 307 1764 LEN=1907; translated
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LYNCD

>comp4962_c0_seq1; 1174 341 2674 LEN=2732; translated
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>comp4962_c0_seq2; 926 205 1758 LEN=1816; translated
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>comp4963_c0_seq1; 1518 392 4918 LEN=4918; translated
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>comp4964_c0_seq1; 214 160 1197 LEN=1471; translated
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>comp4965_c0_seq1; 147 310 495 LEN=851; minus strand; translated
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>comp4966_c0_seq1; 458 228 1631 LEN=1834; translated
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>comp4968_c0_seq1; 390 568 1410 LEN=1410; translated
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>comp4969_c0_seq1; 252 1 955 LEN=1167; minus strand; translated
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MQTSLIEDIPVDESTKDDENDLHFLFEEGRMLVCSRYHVQVQIEKGSVETFDRLFSICWS
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>comp4970_c0_seq1; 245 1 968 LEN=1227; translated
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SIATAKTLAKELNPVHETKKTSLVLYPASAKAKKTLQVDLMARGFDVTRLNTYDVTATWG
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>comp4971_c0_seq1; 549 1 2043 LEN=2187; translated
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>comp4972_c0_seq1; 721 232 2025 LEN=2223; translated
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>comp4973_c0_seq1; 413 136 1689 LEN=2127; translated
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>comp4973_c0_seq2; 230 186 707 LEN=1145; translated
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>comp4973_c0_seq3; 189 200 808 LEN=1246; translated
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>comp4974_c0_seq1; 297 1 433 LEN=700; translated
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>comp4975_c0_seq1; 583 1 3017 LEN=3272; translated
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>comp4976_c0_seq1; 326 1 439 LEN=439; translated
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>comp4977_c0_seq1; 930 106 2880 LEN=2903; translated
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VDF TNTVI I LTSNIGAESLLVLTENSQEHEVEAAHDKVMEKVRY SFAPEFLNRLSAIVMF
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>comp4978_c0_seq1; 1330 210 3830 LEN=3894; translated
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YLVGD INPDEAEKVIAQKFGRLSAEKQ GSEIRLEEIKEMASDLSEAVVEGSV KAAQSWHY
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FRHELLQS FSLHFFSKRPVEPIVDIDSFRKSLARRVALAALQIRLNVGGRSDDPAFTFVE
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GGALRD

>comp4978_c0_seq2; 1285 210 3961 LEN=4025; translated
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EMIYKYIGTIPADANSEFLKEDVGLEQGA AVGSVPALPKPGKFL ELELADSDPRAVAYVA
GSAPNAWGYLS DGTSMADYIMSQDKRATDYDRQRKHPLFGHVALLLSEIANRRLFSYV
RERKQLTYDANFSFTGFERLLGGFFLVTVTASKENA AKALQACKETL FNLKKGQRITPDN
VESAKRVV LNRHDFELRTTAYWAQLMSGIQEESVPLKGPLSFTDFAKVVEAITPTDLQLA
LETMGIEDELFTAIGRTVQTNVPTDDEDETPLVRQAPAIGMRRGGALRD

>comp4979_c0_seq1; 311 1 1098 LEN=1764; minus strand; translated
HMTRQLPNKFLPKSATS KGD RRIRGTTKLESFDHENRRAGSTVYSVSANEHPADPSRTR
SKTSVSR TNWMEAAAATKKRGPLHMG GRRGFSLSQFQEKRR TSTAGNASFVTPANRNR
KTASINTVGLGYDGT VFPKENKILFQQSASIQEIPAKRMVTP INESDRTKQLRQQQAEV
AORLQESTTKEKSSGLSSALVNSSNVKQSSRCRKGVTSEKGRKSDNCEVDAFLAAMGGAV

DEDKVRSAKSRFANEVAADEYVKNRRKLELEKLEASNESRNKKKHQNAEQRMTKNWYCF
NCRQTYNQRPGRCISSNHNVKNRFGLKESTSKDEERNALHKKSVQDGGHLHLSGIEWRDS
GRFRT

>comp4980_c0_seq1; 523 248 1303 LEN=1531; translated
MTINAFLLALLASVFAPIAFGQDSNSTCASIADIVCAEDNLNAVCEALSISGLDDDLAEE
TWTVFVPTDEAFEELGRDNDLYLVFGNDTVPLTDLLLHFVVPVGVALTSDLLPCVAGENLI
EMANGDDSRTKCRRGIPVFQKGFNTQEDSPQFIETDIMACNGVIHILDKVMLYESLPHP
IPVADAEPEPEPEPVADAEPEPEPEPEEAIEEAIVEKQCOTIVELACSNPRFTTVCALVNEF
GLADDLSDGMWTVFAPSNAQAFDNAPPFPADVDLNFVLQGHVVANEAIRAEDLVCTEKIEM
LNGKLTTRTVCKNGTTYQNGVDNDDNRPEIVLADIEACNGIIHAVSQVILT

>comp4982_c0_seq1; 209 1 338 LEN=338; translated
GDGDGDGDQDEGTTKPDNSAAEGMDGGLDSQNNDDWKEPAGKVSGLSDLSGATGGAVGDM
VSPNMDEATKKNPHDDQDEATKTPANAEDDDNTGATGDGEGDTVSPKVDEAT

>comp4983_c0_seq1; 384 331 1453 LEN=1453; translated
MMQRYFLIIASTILSALICVDIAVVDARELFESFNIGRIGPDSSSWFEPVSLWNGKGVPTQ
NDAVVFEDESPTYAAIDKDIVASVSELIIGRSASSDSIGSVQLDLSQTKLAVQQDMTIG
ELEGSDGSVYVDDNASIAVEGSLTVGSGGNLLVLAKKASIRTNLSVRGDNSSGGGSKIV
MGVASTLTVAGDKRTMVNEMIENGLIVKETMDSTATLKVGTTDGNTVVTVATEPPEPPIS
CENRGLKYRNQGRKNCKWVAKKKNRCKLSWKKEKLSAWCPGSCNKSCIDDGDGNNPCAD
GTLKYKNIKKNCRWVKRLTRSRCKLQVSDGVKVVSEICKKLAANANFYSAKAKFTTHGKK
SINEFNKISIIYVRQX

>comp4984_c0_seq1; 249 1149 1496 LEN=1868; translated
MQEGRAKLFDLVYVSSDNDSDQMKGEIEGGWDSIDYEKKEDRSMLKKCFGICAQKEMEAL
GITSEQRKGGIPTLLLIDKGNVVISPDGIPDLMGDNKVEDPLAKWKALLLPKES

>comp4984_c0_seq2; 308 752 1249 LEN=1621; translated
MSSTSLSKCLTLVKNVDESSLAPIIALYFAASWPCDCVESKPYVSNVFKMQEGRAKLFD
LVYVSSDNDSDQMKGEIEGGWDSIDYEKKEDRSMLKKCFGICAQKEMEALGITSEQRKGG
IPTLLLIDKGNVVISPDGIPDLMGDNKVEDPLAKWKALLLPKES

>comp4985_c0_seq1; 310 390 1529 LEN=1976; translated
MGAKALLASSASLDDTSSGLGSTSQGAPMQKAIAYRTISLPIPEFDVNVVPSIWIYPFQNG
ANGSQPAEIKYSYRISLRRIQQLLARWDFIPDFISKNFALNPSITTASTVRVVDGENIPI
SVTSTGTNVVFLAHGFLGSRSDLAYLAEDLTAQGFVVCVASEYEPESLEASYPRLEGLDRVV
INQLLIPYVQDMVPQPILSYSAIGHSLGCGTVLQMGDDSWNRVLMGSGKAPELPSLGNVK
PEVSTTTKYQTPVVGGRLLFISSVNDGPVTSWGGGIKIPQGYTVLEESQLDTATKFDRAA
LVFDREDAPNHISYLSENVNDAMLSFSLPLLPTKALNIPVLDVDFKYANSRDSVPTGNVL
KPLISKFLLTAPELASANH

>comp4987_c0_seq1; 156 160 696 LEN=1056; translated
MIRAARIAPPSLSSLASRAVVRGNSSVGVGLPGRGTRARFLPLPARSHSTTTALYSPVAA
ASRSGGGSIRGTPHGFLSSLRGFSSLLWPPAAVPNTAIFPGLFAPARTAAAGEAASLSCR
SNSSSILSWAIWLIKRTYQPSLLKKRQCQGMKRRQSVGGRRIFKRRRQKGRKRLFGA

>comp4988_c0_seq1; 359 349 1710 LEN=1842; translated
EGTEALADGEYDAIVLGTGLKECVISGLLSVKGKRVLQVDRNGYYGGDGASLNLTNLF EK
FGAGQAPTNLGENRDYNVDLVPKFIMACGNLTKMLLHTKVTRYLDFKSIAGSFVYKGGKI
HKIPTSGVQEVLASPLMTLFEKRRFRQFIIYVDQYKEGDSTTWEGRDLNMTMTMSELYKDF
GLQPDTAQFISHAMCLKLDEAHMNEPALSTLKEQLTYMYSLMRYGTSPYIYPCYGLGGLP
EGFSRICA IHGGTFMLNRDVDEIMFDDNGKATGIISSEDGKMMAKAPMIIGDPSYFSQD
KIRPTSQVVRICLLSQPIPNNTNDESAQIVIPGPQVGRVNDVFVCSMGHALQVTS PGVY
VAIVSTISEKHDPDQDLEPGLKLLGRILKRFITSVSVSQQYEPVSDGSDVNCFISKSFDATSH
FENDCDDL SLYKRVTGEELDMNINADSVEGDY

>comp4988_c0_seq2; 281 349 1455 LEN=2008; translated
EGTEALADGEYDAIVLGTGLKECVISGLLSVKGKRVLQVDRNGYYGGDGASLNLTNLF EK
FGAGQAPTNLGENRDYNVDLVPKFIMACGNLTKMLLHTKVTRYLDFKSIAGSFVYKGGKI
HKIPTSGVQEVLASPLMTLFEKRRFRQFIIYVDQYKEGDSTTWEGRDLNMTMTMSELYKDF
GLQPDTAQFISHAMCLKLDEAHMNEPALSTLKEQLTYMYSLMRYGTSPYIYPCYGLGGLP
EGFSRICA IHGGTFMLNRDVDEIMFDDNGKATGIISSEDGKMMAKAPMIIGDPSYFSQD
KIRPTSQVVRICLLSQPIPNNTNDESAQIVIPGPQVGRVNDVFVCSMGHALQVTS PGVY
VAIVSTIR

>comp4990_c0_seq1; 199 148 680 LEN=790; translated
MPPQHLHDSVSNXVLDIIALRKDGLRGQAFVVFDDVQAATAALQTEQGFTFFGKDLKLA
AKEKSDRIAKRDGYVPRAKRRKREVN SAADGGEELTEAAGKNTEQANLDSAGAPPPSS

GAPTAKVATTSATQQQPTHILFAENLPSECNEMMLAMLFRQVRLSYETIWGSNGWTV
>comp4990_c0_seq2; 321 194 910 LEN=1270; translated
MTSSIAQPNNNTLYVSNIDWKVKPLLRALYSLMTRHGKVLDI IALRKDGLRGQAFVVF
DVQAATAALQTEQGFTFFGKDLKLAFAKEKSDRIAKRDGTYVPRAKRRKREVNSAADGGE
ELTEAAGKNTEQANLDSAGAPPPSSGAPTAKVATTSATQQQPTHILFAENLPSECNEMM
LAMLFRQYSGFKEVRIPRPLAFIEFDTEPHATLALERLNGFKLTTADALTLTYGKA
>comp4990_c0_seq3; 269 194 805 LEN=915; translated
MTSSIAQPNNNTLYVSNIDWKVKPLLRALYSLMTRHGKVLDI IALRKDGLRGQAFVVF
DVQAATAALQTEQGFTFFGKDLKLAFAKEKSDRIAKRDGTYVPRAKRRKREVNSAADGGE
ELTEAAGKNTEQANLDSAGAPPPSSGAPTAKVATTSATQQQPTHILFAENLPSECNEMM
LAMLFRQVRLSYETIWGSNGWTV
>comp4990_c0_seq4; 251 148 785 LEN=1145; translated
MPPQHLHDSVSNXVLDI IALRKDGLRGQAFVVFDDVQAATAALQTEQGFTFFGKDLKLAFA
AKEKSDRIAKRDGTYVPRAKRRKREVNSAADGGEELTEAAGKNTEQANLDSAGAPPPSS
GAPTAKVATTSATQQQPTHILFAENLPSECNEMMLAMLFRQYSGFKEVRIPRPLAFIEF
DTEPHATLALERLNGFKLTTADALTLTYGKA
>comp4991_c0_seq1; 477 100 966 LEN=1020; translated
MSEELKNSHKKALKSLEGEKRAAVKAKGMKGKKEALAAVEADFATKLEASYQE
SLASLSLES LNISADNNPNAQEVASDDKNDYDDEAAAARERKRAKAKKRDRQKEKEA
ELEKQIEEENANAGPLRKIELEQIQAVLTPLKLVSEVDADGHCLYRAVAAQSDRNHMA
IRSLCADTLAKHQEEFAPFCEYTNEISTFDEYVEKVRNSAEWGGHLELRALGIALGRPIY
VYSVQSGAKPLAIHEDTDNETKMREPILLSYHLHYALGEHYNQVVKD
>comp4991_c0_seq2; 427 100 1118 LEN=1172; translated
MSEELKNSHKKALKSLEGEKRAAVKAKGMKGKKEALAAVEADFATKLEASYQE
SLASLSLES LNISADNNPNAQEVASDDKNDYDDEAAAARERKRAKAKKRDRQKEKEA
ELEKQIEEENANAGPLRKIELEQIQAVLTPLKLVSEVDADGHCLYRAVAAQSDRNHMA
IRKSRGFQAMGPLSFIFAXMSSDLCLIAFCLLIYDHRNF IACCSMVVAINNIGSLCADTL
AKHQEEFAPFCEYTNEISTFDEYVEKVRNSAEWGGHLELRALGIALGRPIYVYSVQSGAK
PLAIHEDTDNETKMREPILLSYHLHYALGEHYNQVVKD
>comp4992_c0_seq1; 399 160 1299 LEN=1656; translated
MRPLK KIALLG VFNFYCSLSRTDAFVSNVAVGSITKQGLVITGQAPFEP ILEAARRQQF
PQH FVTVNDSELTAVEEKTDL EETLLSRQDPTPK ESEYSAEQVINFLFLSATFGYALYT
ILNIDKGMTRGWSASEIAMRIPLDNWGAYESYLD SKPIVTKTLINVI IYLLGDWLSQTAF
RGENLLEFDISRTL RNF IGLCFG PLVHQYEFSDAILPPENGLITRLQKILMDQTIYLT
VKCSVYISAVGLLAGEDLSSVTQSVKDKIGGIVITAWKFWP I VHCITYSVIPAQHRILWV
NSVDLVWNAI LSSAAQRSSVFEEVDDEEEV SGLNIGSREFVVAVDQSDVSTAAVDEVEH
DKFIDQFN TTTSSGVLVAT
>comp4993_c0_seq1; 430 636 2318 LEN=2764; translated
MALFRKGRQNDAPPRVIHITANVNSEEP RGGSGNGNGNRHKGILQTPTKTSGVPCGILKP
SSYHRRGASSDKNKSNSDSSNTPSTVHTTWTNDSN SSSSTSTSSDSTETRSLDRI ICNLHA
KHGSTDGSSQSSSARGNSSHLPPSATNTITATTPREQKLREARIRHI EDLNERI KAAK
ARKLVERKAYRREDRLLKLARELKVASKKLHSRALDIKQVEESNRFLEERLARTKQELC
ELRASRPELEHRLKSESMVRVANERSKHQFQLAVQDEKLESVKTT HQLRQCQELCESVLDA
NFELDRLRGCLGGDNNKATSTPPSSPSRRRRAGTAKTTIGSTPERAQWWR TTGGTVLLVC
GLAMVIAMALFVDGNHRAAGKMRSHSVPSAGLSMEFVPSSESASLRESIDSAPKALPYS
RILALEDSAAISNDLLAPIAVHAIGVGSTASPDETTNKSQGFDTIVRKELSVNRSISSRG
TSSREVIEDGPVVATRNPVDVSTDCPLPIALGTEGRLGNTCLGPTVERKRRFP GPNEFA
ASVARLVLDGTTLTGTINRRE
>comp4993_c0_seq2; 430 814 2496 LEN=2942; translated
MALFRKGRQNDAPPRVIHITANVNSEEP RGGSGNGNGNRHKGILQTPTKTSGVPCGILKP
SSYHRRGASSDKNKSNSDSSNTPSTVHTTWTNDSN SSSSTSTSSDSTETRSLDRI ICNLHA
KHGSTDGSSQSSSARGNSSHLPPSATNTITATTPREQKLREARIRHI EDLNERI KAAK
ARKLVERKAYRREDRLLKLARELKVASKKLHSRALDIKQVEESNRFLEERLARTKQELC
ELRASRPELEHRLKSESMVRVANERSKHQFQLAVQDEKLESVKTT HQLRQCQELCESVLDA
NFELDRLRGCLGGDNNKATSTPPSSPSRRRRAGTAKTTIGSTPERAQWWR TTGGTVLLVC
GLAMVIAMALFVDGNHRAAGKMRSHSVPSAGLSMEFVPSSESASLRESIDSAPKALPYS
RILALEDSAAISNDLLAPIAVHAIGVGSTASPDETTNKSQGFDTIVRKELSVNRSISSRG
TSSREVIEDGPVVATRNPVDVSTDCPLPIALGTEGRLGNTCLGPTVERKRRFP GPNEFA
ASVARLVLDGTTLTGTINRRE
>comp4994_c0_seq1; 276 173 676 LEN=922; translated

MAGDQYNLGLLDDDDYKVSVLRTKLLGIAECFMYRLPPGSTSPFRADGWPLTKPLQCVSL
RVERRGDVLLLIIFTYTHGDEGAIGQQKLFALCPIDIVNQTDVAKQKIEHFVEAVLDSTRY
FVVRVKDEKADREALIGLGFDRSEAGDFRAALSKYENDIKKEQRKR

>comp4994_c0_seq2; 167 191 596 LEN=842; translated
MLNVDLPIQNISADGWPLTKPLQCVSLRVERRGDVLLLIIFTYTHGDEGAIGQQKLFALCP
IDIVNQTDVAKQKIEHFVEAVLDSTRYFVVRVKDEKADREALIGLGFDRSEAGDFRAAL
SKYENDIKKEQRKR

>comp4995_c0_seq1; 834 235 1899 LEN=2016; translated
MVEDTKMEDTAGIAPTKEEGPDKQVNPPSVPPLAAGRRRLERLLGGGSAAASSSGPSDNA
SGRPLARLYTYGTPVKVTRRWLTASGAAGEAIISSDIVSAATLLDPSHEDCRTRSLLLA
IDESSSMEVEGEDNDNGNDGGEAPSTQAKDEPEYLSASRREVESWLLSLQVRILWKAGKH
PEAMELVEKGIAILLEQVTIAAKKLTSLPGGSVSSLFPLLARLYRYSLVADSMKDPSVT
AGLRNVMAKAHNMAACLRDVSQATLLNLMLRDLLLEHSQVEQANKLLSNATFPESASNNE
LCRYLYYSGRIQALRLEYTTAFSNLSQCLRKAPTNTGLGFRITVQRLLVVVQLLMGEIPK
RHFVFSKGMKTEMAPYLAITQAVRRGLAVYTKVVSEQSSQLRRDDTFTLISRLAQQVVK
AGLRKLVHSYSRSLSDVANRLGLPSATSAEFVVAKAVRDGVLDAIHHEEGYVQSHDLV
DVYATKEPAEAFHRRRIAYCLTTHNDAVRGMRYPPDAYKKQLEASRGNRRGKRGSDDKTDE
EKAQELEDEFDEDEDY

>comp4995_c0_seq2; 458 235 1076 LEN=1266; translated
MVEDTKMEDTAGIAPTKEEGPDKQVNPPSVPPLAAGRRRLERLLGGGSAAASSSGPSDNA
SGRPLARLYTYGTPVKVTRRWLTASGAAGEAIISSDIVSAATLLDPSHEDCRTRSLLLA
IDESSSMEVEGEDNDNGNDGGEAPSTQAKDEPEYLSASRREVESWLLSLQVRILWKAGKH
PEAMELVEKGIAILLEQVTIAAKKLTSLPGGSVSSLFPLLARLYRYSLVADSMKDPSVT
AGLRNVMAKAHNMAACLRDVSQATLLNLMLRDLLXTLPR

>comp4996_c0_seq1; 503 174 1964 LEN=2071; translated
MNGSENGNHRRRRASATGSMPTDVKVFLSRPTYPLGGTVVGTILIQKGPLPLPLPSEPSG
EGEDGEDEADLHPLRAILESVTVYVAGFCKIDSRWHDSRDYKKIYGMHPYLELLQOQDEL
TFDADLLEQSEDTVCIWATNGMEALDLPERTEGRRWGGSDADFQRGLGYDGEDSDSKSMGD
SGNDDDESDDCGAASAIGRNVLAFTFRVDIPSDLPHSVHATTCRYYYMANVLIKTKTQQQI
LKRGFVVTGSSGPDGDEQNKRIQARVRVFGCEVGVVAHSNGLPCHLSSTEIHRPRGQL
VVEQDHLVQYQPNADVTRMVRTNATGRPVCILTVIGSQSLSPGSRVHLQWDFPKVLLS
NREVAMRTRRRKNSLDGNSSDINDYWI PCHQVCAQLQGEYAVFEDDTKTRTQSF LFDA
CHERVEPGVTDRIKTTLWSSAGTNSDNGSDNTSFFEGGTPPCDLKTDVMEVSTWCKV
DITIPDQQRDRYNSLSLTIPCRVRHRSSESELEDRDALEQPVAPLHELFLFGGEDSLP
ATAAAFPKADIRSDLKVLSLALEEAVAGGSTLSASRSRSGHGGLEQRTEAPIGRIDE

>comp4997_c0_seq1; 896 1 2705 LEN=2963; translated
XLLEIQFLQYTSNKSSIKPADVGRMKQLQVLQSNETNPSILEALVAQEEDISYSMSAAQF
SSPTSRGSSIAMNTKPTTSSKSNVSYELFAPRATAQVSRLSRIAALTAGQTALGSAKSKN
NQPSAVDSDEATILKAMSPPCASSDSISLSKENESSTVKTALKEATESSDHLTRLLKHTT
SLRLALRASINIAEDISNRHADLIRHSGELSAAADRLQGEQEMLCRHAEIEIGMPLKHYDA
VDNIGILVGVLFKGRVTVRGLAKIKVDNDDFPSILDQIDDAVEFFARESGGREALDAELK
RQRRSSAKEQFETS GSI EY YRRSLALQEAALFLIREAVVDRISNTTAQVASGLDIPKTP I
AADKLEASLVYTRFHGISSRSNRLLTLVKKRLHCGEAYHELLQLCRTTYCNSRESLLKTT
IRAHMDKLDKQHGLVGMTRLASVFLIRLCTVETALYLDFFGEEKVSEEGKDPDSDSEIKT
KQPNQSKRAMALPSTRAKEDATYYDREFQAYLASLTSALHRTIRGLVTLDDLDTLCQIV
SVLREERSMASSSPTTLAAARSISSVIEDAQERLIFCATNTLTKEVIRFKASPSDLDPN
KLTKNTKQSQEGGEDDAIKKQLQVYESWFPMPRSVLRILSKIFRVVEPKVFEDIALQSVQ
SCTRSLRDGAKYIEKRSGTIHADL FKVHLLILREQLSPFDIDLRSVERQLDFSDAGRAV
SRFLANRNRRFLSMSAENALVTLLEGVSVNEESVDSKRDL EEGLRNACNDFIDHTCDSV
AEDVMKLVQAQLNSATPESLKGASFFEASKVRDILSKTQENFEPKAKDIRNKMNLYLENPT
TQSILLKPVSKKISKGLEEIRKTAYGMANDTGGWDENVRAEILGMIDDLERVVKRIGRAA
K

>comp4997_c0_seq2; 598 1 2111 LEN=2111; translated
XLLEIQFLQYTSNKSSIKPADVGRMKQLQVLQSNETNPSILEALVAQEEDISYSMSAAQF
SSPTSRGSSIAMNTKPTTSSKSNVSYELFAPRATAQVSRLSRIAALTAGQTALGSAKSKN
NQPSAVDSDEATILKAMSPPCASSDSISLSKENESSTVKTALKEATESSDHLTRLLKHTT
SLRLALRASINIAEDISNRHADLIRHSGELSAAADRLQGEQEMLCRHAEIEIGMPLKHYDA
VDNIGILVGVLFKGRVTVRGLAKIKVDNDDFPSILDQIDDAVEFFARESGGREALDAELK
RQRRSSAKEQFETS GSI EY YRRSLALQEAALFLIREAVVDRISNTTAQVASGLDIPKTP I
AADKLEASLVYTRFHGISSRSNRLLTLVKKRLHCGEAYHELLQLCRTTYCNSRESLLKTT

IRAHMDKLDQHGVLGMTRLASVFLIRLCTVETALYLDFFGEEKVSEEGKDPDDSDIET
KQPNQSKRAMALPSRTAKEDATYYDREFQAYLASLTSALHRTIRRGLVTLLDLDTLCQIV
SVLREERSMASSSPTTLAAARSISSVIEDAQERLIFCATNTLTKEVIRFKASPSDLDPN
KLTKNKQSQEGGEDDAIKKQLQVYESWFPMPMSVLRILSKIFRVVEPKVFEDIALQSVQ
SCTRSLRDGAKYIEKRSGTIHADLFKVKHLLVVRVIHYSILFETA
>comp4998_c0_seq1; 436 156 1160 LEN=1721; translated
MVPSTLKRKLATIEAKNRKGSKKRGLTTTCKKQNKTTKASSARSTSKKKDPTRSSISK
PRATSNSNAPCPANGNSRVQGDARLQGNRRKVERSPPNGRARCQKCRQIIKRGEIRVG
IPISSASAKTTAYQYYHNRCLSDVHKPGCVKETHSQIREKILSQANLLWNLQQYWVLLG
TEKIHKLVIALPQNERDLFKVLGATSSSFYPYDHSRLKYLLDIIRKARQKNEAVSTAAALG
GSTAQRQMAANSSRRTNDPSEVIVIDDTDEDEVDMDGNKSDSAVPEGLEKDDRLGDDDD
DDGEVLVGGTLSAQVIQQKFDQAAANGEILTID
>comp4999_c0_seq1; 320 1 1303 LEN=1371; translated
DRRRNEMKHETGFTNPVLDTNPGIFPTSNLFGNSFIKELTFSFKFTKTIEDKNGRSNFN
DSVLFAGSKELYPVSEIVRRVQPSFRRSLIALELIEIYVDLTHTKPYTIPNHPFSSTRTG
YLKHIEKYKSPVQKTPYIRVGQEGADGVLDLKNKVVIIVTGANSIGKDLATYAAAKGAKLY
MFCRSKERAERAKKEIVDATSSSEVDIVLVDLDELASIRKAVQDLQSKENKVDVMVCNGG
VLLNEKQTTKEGNEVTFASHLLGGSYLLSOLLIPQFKAEDPRIIFVSSGGMYNVFPDW
ATATNSKGSTHEYSGNLAYAYAKRGQVLLAEYAKMYPGIKTVSCHPGWTLTPAVDQAYG
DNKKYLEPMRRTTWQGSEGIAWLMGEKGESELESGAFYLDLDRSPQRKHLGPVTFYTKNKQKDI
DDMMANLKQTAGC
>comp4999_c0_seq2; 395 161 1168 LEN=1236; translated
MGGAIISTTQFFLQGRKNFTQTGYLKHIEKYKSPVQKTPYIRVGQEGADGVLDLKNKVVIIVT
GANSIGKDLATYAAAKGAKLYMFCRSKERAERAKKEIVDATSSSEVDIVLVDLDELASI
RKAVQDLQSKENKVDVMVCNGGVLLNEKQTTKEGNEVTFASHLLGGSYLLSOLLIPQFKA
AEDPRIIFVSSGGMYNVFPDWATATNSKGSTHEYSGNLAYAYAKRGQVLLAEYAKMYP
GIKTVSCHPGWTLTPAVDQAYGDNKKYLEPMRRTTWQGSEGIAWLMGEKGESELESGAFYLD
RSPQRKHLGPVTFYTKNKQKDIIDMMANLKQTAGC
>comp4999_c0_seq3; 396 161 1306 LEN=1374; translated
MGGAIISTTQFFLQGRKNFTQTGYLKHIEKYKSPVQKTPYIRVGQEGADGVLDLKNKVVIIVT
GANSIGKDLATYAAAKGAKLYMFCRSKERAERAKKEIVDATSSSEVDIVLVDLSEPRI
GESKNEGFLLQLRSFIILYFNGSTRKLTLSRSLHINHQDELASIRKAVQDLQSKENKV
DVMVCNGGVLLNEKQTTKEGNEVTFASHLLGGSYLLSOLLIPQFKAEDPRIIFVSSGGM
YNVFPDWATATNSKGSTHEYSGNLAYAYAKRGQVLLAEYAKMYPGIKTVSCHPGWTLT
PAVDQAYGDNKKYLEPMRRTTWQGSEGIAWLMGEKGESELESGAFYLDLDRSPQRKHLGPVTFY
TKNKQKDIIDMMANLKQTAGC
>comp4999_c0_seq4; 321 1 1441 LEN=1509; translated
DRRRNEMKHETGFTNPVLDTNPGIFPTSNLFGNSFIKELTFSFKFTKTIEDKNGRSNFN
DSVLFAGSKELYPVSEIVRRVQPSFRRSLIALELIEIYVDLTHTKPYTIPNHPFSSTRTG
YLKHIEKYKSPVQKTPYIRVGQEGADGVLDLKNKVVIIVTGANSIGKDLATYAAAKGAKLY
MFCRSKERAERAKKEIVDATSSSEVDIVLVDLSEPRIGESKNEGFLLQLRSFIILYFNG
STRKLTLSRSLHINHQDELASIRKAVQDLQSKENKVDVMVCNGGVLLNEKQTTKEGNE
VTFASHLLGGSYLLSOLLIPQFKAEDPRIIFVSSGGMYNVFPDWATATNSKGSTHEYS
GNLAYAYAKRGQVLLAEYAKMYPGIKTVSCHPGWTLTPAVDQAYGDNKKYLEPMRRTTWQ
GSEGIAWLMGEKGESELESGAFYLDLDRSPQRKHLGPVTFYTKNKQKDIIDMMANLKQTAGC
>comp5000_c0_seq1; 238 164 958 LEN=1004; translated
MAESGTRATESGGSSPRKRPRKEAPPPLVEGVGEHKKARGQRAAIEDPKKTSKIWLNHKL
VARPNYITSYGILMYRESTASDDPGSRRNSESADEPAKDNGCRNSHGNVPHHRKEFEYLL
GLIPQGNAWTVFKGLPEPNETPEETAVERFEFEETSRLRFPYFPNTGKNVFTTKLYGVST
KLLQIYLVSPPELDTSRFDVVKVVTIDGSGRFSGLPEIIEIRFLTKDKAIEGVRGKGN
HRIAKIYKSQISILERADSILHQE
>comp5002_c0_seq1; 304 112 884 LEN=1441; translated
MSTAGVADASVGDDKANVDNMSLLSITEGENDRGIPHVKFIDDVDAFAASFSPSSAELL
IGAYSELHSHKFTFETSLTQKSTLNFKIGLALILRSMTHRLKGLQVTLQNTIEKHSDLR
TFFILLEQNYNLKIPDIEKSLALVKNLQSKQKAGETVTTRYNLADNVYKADVDTSVGIV
NLWLGANVMLEYTYQEAIDFLSKNLETCRRESKIVKEDLAFVRDQIVTSEVSMTRIFNWD
VRKKRAEAAVQAPSSXW
>comp5002_c0_seq2; 370 112 747 LEN=1304; translated
MSTAGVADASVGDDKANVDNMSLLSITEGENDRGIPHVKFIDDVDAFAASFSPSSAELL
IGAYSELHSHKFTFETSLTQKKQNYNLKIPDIEKSLALVKNLQSKQKAGETVTTRYNLAD

NVYGKADVDTSVGIVNLWLGANVMLEYTYQEAIDFLSKNLETCTRRESKIVKEDLAFVVRDQ
IVTSEVSMTRIFNWDVRRKKRAEAAVQAPSSXW
>comp5003_c0_seq1; 271 64 813 LEN=919; translated
MAPQSQSTMLDSFFGSKSNILCSNGGGLGGVDHGQYHCYQSSMAAIPSMPSMPSIPSCSK
ENGGDHRNAVRSKHYKQPQLINSTIPCTPKYVPQRQNTPPIKKKKNHTKRVTFITQEK
IREIPSLSSYTRGEIDSLYLSRDEMNRSHEECWRLVLDLMTGIEYEDHEQFSKRGLIDLK
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WFDAAVAVRV
>comp5004_c0_seq1; 648 139 1884 LEN=2305; translated
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KTVRVTRDMIDAGKRVVVIADTSGASQSDTLVLTSDLSSLESKMKANTTTKPKQYAEDAE
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NARPLTKREIEEEKVKREKAGNMATQMAENMFKFKEVKGDKGAKKVKTEKPKPEEVPVVE
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>comp5006_c0_seq1; 316 82 1194 LEN=1272; translated
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GGDFSF LMTYGGMARMFGFGILNLKTFKSQRATGVSKKTLQLYCCVFFFRLTISIIRHEGY
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PILILAVIVHPNLNADFLSDTAWTYAMYLESAALLPQLYMFQKQSSGVVELLTAHFVFAL
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>comp5006_c0_seq2; 214 421 1236 LEN=1314; translated
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DLDKFGFEMVPPGTGAVYLAVPILILAVIVHPNLNADFLSDTAWTYAMYLESAALLPQLY
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>comp5007_c0_seq1; 421 247 1503 LEN=1941; translated
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>comp5008_c0_seq1; 414 1 1009 LEN=1405; translated
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KSSCPETSLSLSLGLTQAQYKDTLRMLERIQKSRSFQTAQKQKQDLRPGNCPAAKT
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>comp5008_c0_seq2; 459 1 1390 LEN=1603; translated
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>comp5009_c0_seq1; 394 206 1579 LEN=2475; translated
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FYAETILDGLVGEDESTSASKGESASDPFYNETDTAILDHKGGLLVLES LGDFYQKSPL
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CKRVGSAAPEVFERPSVNLAKRVQDMAESI SEELSPAYNDKYATIVHG DYKAMNVFLAA
DKTEEGKECAAVAASPLPIIIDFASTGVGLGISDVAMHITHAVPPEHLVDGGEEKLVETY
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>comp5010_c0_seq1; 575 102 1790 LEN=1928; translated
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DNTGNICIWDSERTLAYLLYHYFDDFFSFTKVN SDDDSMSIVCSCHNDSGDPDSCIVFQQ
QEKDHSKVRVLELGTGMAGLSAVSLGLRLAMRQRKNGDETNESNDNDDESEGKNKKDIHI
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KEYSYLDQDVILVSDCVHFQNFHAALAITTLRCLRVGGS AIFCQPRRGP SLNFFNLLST
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DRMRFISFQQRYNPVKSKITEE
>comp5012_c0_seq2; 250 82 618 LEN=1138; translated
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>comp5013_c0_seq1; 483 1 1375 LEN=1755; minus strand; translated
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TINDGRITTTTAAFLPTMPPMPTVAFVSDTNETFWDARFEHYLKRYRMARDKDTGNY
LFYPYKEPTYEYPGTL DNIIRQWHSVQAVWEAMEGHQQQNQQHQHQKQTKNRYDRV
AMLRNDVVYITPIDIYRVP ELGTSTSSKGGGNEIYSTSVVPGFAKYPVNDRMIYGPY EAV
EIWASKRFENIELYATDPNRNKGMLHSETFLNASIFEAIKGLGSQRGETETETATTPAT
VEKSSSNSSSNATTLARQARNVYRVVEDPWICFLRVRADGAVWIEDCDPKKSGFGGGY PG
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>comp5015_c0_seq1; 292 1 511 LEN=529; translated
XDVGDFDFGLAGEDKAKLVYMR EAEIKHSRLAMLATV GWPLSELWDKPLADAVGLPSLLT
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>comp5016_c0_seq1; 797 55 1431 LEN=1701; translated
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SGKKVKDSKYDVLGVPTDASASKIKKAYI QARKWHPDKNPSDEAKKKFQEIGEAYQVL
GDEKLRGIYDRDGEGLSADKTDANVENIDPSFI FTFLFGNDCFNDIVGRLQLVTQQ LVA
GADGQPKCTAEEMREMERRRVLRLALALRKRINAYVSGGNT EAAKA EWKKEGERLVEVRY
GQELLN TVGKLYVLIVTQITGTFGEGLTAKKEGFD MKFDAAKNAQNAAKKTQGGATGAEQ
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>comp5017_c0_seq1; 356 219 1388 LEN=1782; translated
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NSIGSWWNSLIGGSSASGTGTEYAIKSRIVHPDYDDL NMFNDIALYELQQAVPDTVPYAK
LRREPLTEAGTQLTVIGFDTDASEWIQDTSTALQKTTVNYVTESTCQSRLRSHLIGPDM
LCAFAEGRDSCEGDSGGPLLEGPWGASSDELVGLVSWGLGCADDNYPGVYTRISHFYDW
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LDDYVTDNDFGNFWDVTDWVSGIFGL
>comp5017_c0_seq2; 288 521 1551 LEN=1945; translated
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ADDDFEIGAIIDDSNSIGSWWNSLIGGSSASGTGTEYAIKSRIVHPDYDDL NMFNDIALY
ELQQAVPDTVPYAKLRREPLTEAGTQLTVIGFDTDASEWIQDTSTALQKTTVNYVTEST
CQSRLRSHLIGPDM LCAFAEGRDSCEGDSGGPLLEGPWGASSDELVGLVSWGLGCADDN
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SNWFYTD DGGVYAH LDDYVTDNDFGNFWDVTDWVSGIFGL
>comp5019_c0_seq1; 259 491 1282 LEN=1703; translated
MTRLSTPPKSKNRLGIADSNVRPIEGNRRSQNIPLPMSHMHR TQSEVQLCEDMETAEQRD

LNMFYRVVNGIRDRQMQLVRENKSSVAAAAFYNPAGHLTEAERSLAHIIHTRNAPLDRKN
GRDNSNARRTNLNLIGASNPQQIHTGLNSGVPILEDHSECDLMEHEKESYERTGAEDN
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TATLNPSRSSSNIVDEGMFDFEL

>comp5019_c0_seq2; 259 374 1165 LEN=1586; translated
MTRLSTPPKSKNRLGIADSNVRPIEGNRRSQNIPLPMSHMHRTQSEVQLCEDMETAEQRD
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GRDNSNARRTNLNLIGASNPQQIHTGLNSGVPILEDHSECDLMEHEKESYERTGAEDN
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>comp5020_c0_seq1; 305 1 1232 LEN=1417; translated
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FNKGDRKMSSFVLGFIPIGFHSLATEWYFLVRGMSDESFFDPSLSAKGIGQAEGVARFL
RETDAQYATPREAKFLSLVKGEKSEKNEAGEMCVLVSSNLRAISTCAIAMKDRLDQKIP
GDNIIILQELQEASINPDAQSITPAFEKLVTSFTDSEAVKSIYANQSDTSINKGNKGIKS
NGLQRMEAFCNLLFATDGYESVKGNDGDDSNNAATILGNANNVMCTGHSYWFRAFFQTYL
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>comp5020_c0_seq2; 320 1 1405 LEN=1590; translated
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IIVSTFRYLVLVSKDKKWKKANDDPASFFSKDSDGELIVLRKKTVVFLRHGESTWNDTFNK
GDRKMSSFVLGFIPIGFHSLATEWYFLVRGMSDESFFDPSLSAKGIGQAEGVARFLRET
DAQYATPREAKFLSLVKGEKSEKNEAGEMCVLVSSNLRAISTCAIAMKDRLDQKIPGDN
IIILQELQEASINPDAQSITPAFEKLVTSFTDSEAVKSIYANQSDTSINKGNKGIKSNGL
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>comp5022_c0_seq1; 944 329 2845 LEN=2866; translated
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LSYYSCKEYPPARFPYNNRMDVDSNSMLVFGGDLWDKGGFDLYVTRQLMDLKRRYPDRV
VWVLGNRDINKLRMMQELGLPPAESSTDKSNTGAAAASNLVSPYHPGLTWFRGSGRVGDP
SGPLPSMVPGDRLRWILGNTMGSPDAMEHRRQELAWAEGCRETGGTSAASSAEGI SDCD
VVRSYQESCHPRGEMGRFLAEGLLAAKVGPIFLVHGSPLTKDTMERGLRDGGDGSNIWD
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EAGQQATNATHNASDGVVEESKDSIWAYRAGYGNPSSHSGIYYSDLVQYGMGMPGGKKN
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QFFERSMRLILTGHPKQGDMPSPIRVDRSSWVICADTSYSGDTKWFHDERNATNP SKME
RRKRQEEEQHEKRKRNSNLGRGNSISFRGETAVSEVLVELSGKDLSPESVSYHGVLSDGTE
YESVNLDDGEDESGAVSADDAGSNSNGSGSCGLDSMPATAAILGRVAPTNNMVPDPLNS
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>comp5023_c0_seq1; 392 468 1844 LEN=3300; translated
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GAPKIREALQNQTGSPLLGPNSRPKPPKRRKRKPSGKAANRDGSITTATGQPRVGINLGA
PLDDDDSEKQILQEFKQDVCHLKRYKSEQLLLPTSNLQVYDQALVQLHANA EKAKKV
AAERTGGTQQNVQKPTFFPATGSR IAPLTSNKVFKEKYSQQQQGNVPPAMP AIDPNAAT
PPLMAAPEPNNSIPYLSLNAQPAPKRARLRNNSLALSDYDENALDPATDEVPAFVDPFA
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>comp5023_c0_seq2; 344 468 1709 LEN=3351; translated
MAQSVNQHMVTGFGRTVRRIRNPNPQDVLSGRGGGINSHAGNKAFRSWVEERKPAYNLAE
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GAPKIREALQNQTGSPLLGPNSRPKPPKRRKRKPSGKAANRDGSITTATGQPRVGINLGA
PLDDDDSEKQILQEFKQDVCHLKRYKSEQLLLPTSNLQVYDQALVQLHANA EKAKKV
AAERTGGTQQNVQKPTFFPATGSR IAPLTSNKVFKEKYSQQQQGNVPPAMP AIDPNAAT
PPLMAAPEPNNSIPYLSLNAQPAPKRARLRNNSLALSDYDENALDPATDEVPAFVDPFA
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>comp5024_c0_seq1; 104 1 529 LEN=684; translated

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THVVIKIPVPKNTAKAKIKHSFGRAKYEPEQQAI VWRVKRFPGKAECHIHADV DLMPTTR
PKPWSRPPINA EFQVPMFTSSGVHVRFLRVYDKSGYHTSRWVRYITKAGNYQIRI
>comp5024_c0_seq2; 480 176 1450 LEN=1605; translated
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HLNMFVAVTRSNVNPALVF EYLYQLVRILKSYLGDEFDENAMRNNMTLIYELMDETMDF
GYPQNC AVDVLRLYINLGNVKAKEEQEPSQLTSQITGAIDWRREGIRHKKNEVYIDVLES
VNL LLSNGNVL RNEVTGAVQMNTKLTGMPECKFGLNDKLVIEKEGQRKPGVEIDDCTFH
RCVRLGKFDADRTITFIPPDGEFELMKYRVTDNINLPFRMIPAVQEEQSLTKISIDLKVI
ANFSDQLFATHVVIKIPVPKNTAKAKIKHSFGRAKYEPEQQAI VWRVKRFPGKAECHIHA
DVDLMP TTRPKPWSRPPINA EFQVPMFTSSGVHVRFLRVYDKSGYHTSRWVRYITKAGNY
QIRI
>comp5025_c1_seq1; 99 1 773 LEN=773; translated
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RCWKDLLES LFAVAEAVGSDLASIWGGL ENGLRRLWLA AVAAHPLKAVLKEALALEEDAS
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DPARDEWRPLDVGAQEA AEKGGADLLEAWGAEVGLAAGASGSDRGGAGETAARVPKRTN
ERTTAGDALNHPNTTAX
>comp5026_c0_seq1; 500 88 1671 LEN=2341; translated
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IDWEFTHCGPMGKDIGFFSAFP IACLF AHA AQGDVMSAESIYQFLGTLWKEYS QVIKLDQ
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>comp5027_c0_seq1; 390 181 1791 LEN=2409; translated
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PVDKVTGERIYPEKREIVTHDMFRQVPKLTETEVKELISANKVVDYDSESPVPNSIGLT
GPVLDEIFTAISEAENKYNNESSG SERSINIESAELREATRNLPDRRSVREKYSSMKQLT
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NLKYSFQSTDDIYLILD LMTGGDLSYHLQKGSFP PRECRYAARVMLGLQALHDKGYVY
RDLKPENLLLADDGRVKITDLGLATKITPKLHGAAGTRGYWAP EMLRREDEDGRRMPYNQM
VDWFSFGCCVAEFITG SNPFRSQTALKFGLDAGKETKVRQSNTLGFDTLIHNDFKM
>comp5027_c0_seq2; 511 181 2184 LEN=2295; translated
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PVDKVTGERIYPEKREIVTHDMFRQVPKLTETEVKELISANKVVDYDSESPVPNSIGLT
GPVLDEIFTAISEAENKYNNESSG SERSINIESAELREATRNLPDRRSVREKYSSMKQLT
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NLKYSFQSTDDIYLILD LMTGGDLSYHLQKGSFP PRECRYAARVMLGLQALHDKGYVY
RDLKPENLLLADDGRVKITDLGLATKITPKLHGAAGTRGYWAP EMLRREDEDGRRMPYNQM
VDWFSFGCCVAEFITG SNPFRSQTALKFGLDAGKETKEKAIDYATLEMIPEFPETLFE PD
AADLCRRLLDKNEHARLGSKGCEQIM AHPWFKTCNWEA ILSDKKTPPYVPPKDVNAASQS
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SCCCSVM
>comp5030_c0_seq1; 1142 337 3249 LEN=3551; translated
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DDFE EPWKKIADSYFKESTTNSFDDQDAQTQTQTQTSALHNQQAP ELMEGTGDSNSSMS
VLLGLRPSGKSGSSKGSNI SDNSIERLLRGADAPFDKSNYSFEKVLGGSDNSLNSLDKI
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TNNKSASVDP SLTLNQQNVDNAGDSGKSYNDEL LASSLRNAVSDSDHTTSVDGAAAKEN
EDDNHSSVT SNSASSTTHPSLKNNDRQHKFDGAFDSESSLPSIEVGNIPSSSTSEQQTGP
RSNSPSVHPFLPSNLSLSDHARRDSQRRRQQQQQQREPYLKDQQQQQGGKRNNNSNAHSSI

VNIVNNQLPQLSPQTANNSTSNQRAQMDYAGLQQVVKMLIRRLQEIERAGMGKNHNHRGQQ
FFAQQQQMILQQQQQQEIQRFQGMGNSLKKQPQNGLNLSLQAKAGQQQQRQLPLSNQFQQ
RLQQQQMGLSQMAQMPIGFAPTPIAIDPTSPFSTSI TNDNSSNTNNALRKQQQQPSSIF
AETAANSNSNISSVIGSRKETPLQSF LRNKRSSIGSVSGNITAPQLQPQSKFSAGSTPF
GGNNNMVTTASILDATPMDFGAQSNNPFLRKQMMASMDRSVSGCNTSARGRRSSAGRNSS
SSLSSSIRQSMMLQMAPGGSRHQRSNKANNLMNSRSEHGTTSTSSSASNLSSGGADYQS
TGITQRHASADHMLGSSRHSMSVGTAKAQNRFRNAVSRSSSSSFGTLTKSKSNGGLKGD
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>comp5030_c0_seq2; 1142 385 3297 LEN=3599; translated
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VDKSTNSLLLDNYVDNTFEKVELDLDRTLTLD SWAGSGLDVGPTQSVSKIGLSKKLGDIG
DDFEFPWKIADSYFKESTTNSFDDQDAQTQTQTQTSALHNQQAPELMEGTGDSNSSMS
VLLGLRPSGKSGSSKGSNSISDNSEIRLLRGADAPFDKSNYSFEKVLGGSDNSLNSLDKI
ISMDFDTTDTDRNTHLSDYNDHASNDMDSEMLTLLPTDQVVSANDFKINNGRNF SAT
TNNKSASVDP SLTLNQQQNVNAGDSGKSYNDELLEASLRNAVSDSDHTTSVDGAAAKEN
EDDNHSSSTVTSNSASSTTHPSLKNNDRQHKFDGAFDSESSLPSIEVGNIPSSSTSEQQTGP
RSNSPSVHPFLPSNLSLSDHARRDSQRRRQQQQQREPYLKDQQQQQGGKRNNSNAHSSI
VNIVNNQLPQLSPQTANNSTSNQRAQMDYAGLQQVVKMLIRRLQEIERAGMGKNHNHRGQQ
FFAQQQQMILQQQQQQEIQRFQGMGNSLKKQPQNGLNLSLQAKAGQQQQRQLPLSNQFQQ
RLQQQQMGLSQMAQMPIGFAPTPIAIDPTSPFSTSI TNDNSSNTNNALRKQQQQPSSIF
AETAANSNSNISSVIGSRKETPLQSF LRNKRSSIGSVSGNITAPQLQPQSKFSAGSTPF
GGNNNMVTTASILDATPMDFGAQSNNPFLRKQMMASMDRSVSGCNTSARGRRSSAGRNSS
SSLSSSIRQSMMLQMAPGGSRHQRSNKANNLMNSRSEHGTTSTSSSASNLSSGGADYQS
TGITQRHASADHMLGSSRHSMSVGTAKAQNRFRNAVSRSSSSSFGTLTKSKSNGGLKGD
FSAGSLIPVKGNGVGGGGGFGAKHKLSQNSTISLRSQSVPFMIQRGGGSASERQQQRMG
EGNNHNDGWV

>comp5033_c0_seq1; 819 151 2637 LEN=2839; translated
MASFSGGGSSVSEKKEFFENCISEQKQRESLYAPPSVASTTSRTTDCMSNGSRTSEFL
EERSDSESLFHNISDRTPDES YGTFTGFTKSGSTSDSDFHFFTRSESDSEPDSDVNF
LLFEQENIFYESNEKNTSLGITSINCEDEVKGDVSPQSHSYLQKAQSLDEKLLPFLDEEL
EEEPGSQAFVEVPNHSSDLTSTYGRVNTFEF DAWVSNHITSCSEKKDKAIEQENEIQRG
VEESEIQRVVKIQVTTTPAPTKDFQGVDDFAAKGKKNIDVMIAEFQKVSELSKELSF
PTSRNSDDYSNSQSYHASNQINEIPKDSTTHPTNSAEESLSYNL PALSIDDINILKEI
HEKQLPTDVCISKDYVCAESTDCSIDSLGNAETTKSVCSRSGKSLGSLRYLRNKGEGM
GKMLKRAKKGMSAKNISSLMKKT VKSKTAKELSANEKQASKASADHNQYRDFNEKLA
ELLMRRHKGISKASQYLTTGKNLLNNGAQYKKNHDFVRSKEMIQAHTYAFVGRQLAKQY
LLEHQDEIYDSTTMMTQSDLTSS ENEDAINAFEDFFFAFLHCVGPCYGYEDNHGEIQVHD
TLEILSKVSEETDAINRRLPNNGTVNDGKEKIRAAIERALQQTDSFDQKDEHETAQDRN
LAIRQFLSDLQSFYQVDTFLNLSSVALSRKCTSESTREGNSSKSQIEQDGTDETEAAQCS
GSQEEGQSQESKFSMISKSLSDNCSGRSSFLACSVSTTRSMRPEKTVKRSR SKEREGRKEE
SQVKGIEP GTTVLKI PMKKRGR LKNKTKPTNDNKKKKWLSAIRIKRKA

>comp5034_c0_seq1; 150 105 500 LEN=500; translated
MATXIKSRKEANEFLSCAHLSD EEIFLEFLSLDGGDESRGDEKVNTDGTGRGIAKKKMP
WKS RKEYCCERTLWRRAFRRRTAEIRALASELRDGSGRARIDEDGRLVPVFEP PPRAD
LPPPGRAAETNAX

>comp5035_c0_seq1; 282 340 1086 LEN=1277; translated
MSNDSKFSASALGELKETIRSQTKEIERLKAQLAKSGGGKSKAASHGGGHGGDV ELTVE
ELNKYLHDPFYRVGLERVGWLGIFLGSLSATALIMNVFEETLEKHIELALFVPLLAGHGG
NTGGQTVGTILSALSAGTIKVS DAPKVVWKESCAGILSGSILGAI VAPIAYKVLGV SFHV
AVVLF FTLPVSMIASTLGSII PFICVLVRLDPSVIAAPAMTSLVDVAGLMGYFM IANYI
FKLYGLEL

>comp5036_c0_seq1; 179 89 388 LEN=783; translated
MSLATSRIVATRMARRAPVQQRRGIVDYL TNYPDKVNEIKKIQRGGTQQGEANPTWL
KQSDKMOVAGFVFAVAGMGLVRLGSGYK LATGTGKIPV

>comp5038_c0_seq1; 363 49 1332 LEN=1660; translated
MGKKRRLPQPVTSSVDDDSSKVGFD RPNDNERKGGIPPPSSSDNEPPTRNTEQLYASH
VTYDCTMNRECI PCAYKIGCFDVALDKEFCRRRPNQRPDQCPRSKVDYNTAANNNTD TD
GVLGFRRGMSILTVGDGDFSLGIAQRL LQKKFSSDGKDQKTFIVATS YETEATLRKV
YPDFDKTLRRLDELGVIVAYSVDATRIFDTLSVSAKGRIKTIKGRFHRICWNFPCTAISN

GQDGQNKAMEENKNLVRKFVQNARSILTTGGGDGELCLCHKTKPPYNQWNLEEVALSSQKD
DCDSTTKSPPLLFFYSGRIVLDRFLLPPYTPRKALDRKSFCHDACFYIFAQKSSDEPAVK
RKNLFLPTIIPHEQPAAGNKESRRENRTSQMLIKVTTELLQLIRERHINATPRKKRKRNT
KHTNRSF

>comp5039_c0_seq1; 486 1 1984 LEN=2040; translated
XVSKMRTSLVISPVLAAADNSSQSCRVSGRKFDVKTLPADLNRVYKRLQEKFGEEYALTVV
FVIRTAVELHRAWHMTLLTSRLLQQIKDRFQLRMSWNLGVTDLVFRVEDGLYELQRRVPY
DYDSEYQDMYEKAAVALIEGHIGIHDALIFQSELKDGKHTSRSGFLRENPGRLVLYPLQ
AATCCVIFFGGDWDAGIAAVCGLTAGLIEGVLSSKRVFANVNDKMLIDFLIGVSTGVI
GGLFYFYMSSQDDLCLKGVFLGTLWFFYGTAFFVIGLLEIIAGELQTVTRFLAVSVKTF
VLSVGSVAVGMTLVAETVYEEWTNQFDPEANKCNSIDLSEKWWRLPLFILCSVSVLGQYR
FIIMNYWAGLLVQVAAYEAQYRVMGYDYKAHEFDGMDTVFADLAGAMAAVFAASMVCFFI
DNLRHYSNLSVVGKSAEETKLSRSGQLTNKIYECLVFGSSLGLGRGLFRRHANCKKKLS
EIAKAEGKNKMEVRLSVEEEEATMVEAAVEAQETNVWSLLMPAVYQLVPGSKLAQFWYKLI
FPSEESTGIVDSPETALWLTSVALALGLILGLTAVRLLGFSLITIASVRKKIESEDEEI
GKSTRQRRERRGVTAQSNDFDPSDLVWEKEFDLKYGVNASTDSNDENKPSDSSEEIVMVC
A

>comp5040_c0_seq1; 560 180 1958 LEN=2463; translated
MGSLYDDNCFRRIGTRSLVVLVWAWIANITLGYKSLRGLNGERLFNTPLAQAFSSSRKRN
HHSSIQGRFRHAATIFPTTGS SHYKDNDNSTTSVIPSLDGKKVRIPPPISDTTPCQVLD
IFHDGEEFYFSPPEQYSVLPKGDQGGFHIVKEYTVMPPGTVIGDDVLKVIDTYQKRKNVN
CITLQNALLALDPERYPTLTSARKACRKGKILVKQHKMNLGTLNIDRHDCDNNSSNNNWS
VNDGNSCVFRRGRVGLVFPGLIGSGLFLGTYRKKQCYPNIDYPRPQFELEVYVEDDHL
AVVNPSPGIAYVSDTRMDSTGTSGNRRTIQFLLPFVLTTPPQRGTQGGLLRRPGIVHRLD
KATSGLLVVAKTKVAMESLKEQFRTRQIQKLYTAIVNGDLLQEEIMQRKQLQADRLEDGCD
DESEHQSSSEKTSESSSWNVIDYPLGGKYAVTAWKVLRRSPSLNARDGMLTKILIRLHTG
RYHQIRRHFGWCRKPLVGDPLYAGLLQAHFRKRGLYLCSGGISFFHFPFGNNGDGCNK
TNDKEKNNKDVGMNTQRRRVEITIESPKRFDKLMNAEEAWKRSKSSKENIDK

>comp5043_c0_seq1; 180 1 1042 LEN=1377; translated
XAPSHSRAGFPMPCAPEIVVDGILPETARVFRSAVYPALIEFHALRVVDKAAFAQDPRPS
SRSGKRGAAAPLPKPPPTLKRPGSYRVLMTGDLLRQDQLVMMMIKLMRLLKRAASLDL
CITPYSIIATSPSSGMIEFVEDSVPLSAILANHNNSIARFFRSVAPQAGARHGIRPDVLS
SYVRSVAGGCVLTYLLGVGDRHLNLMITKTGRFFHIDFGFLFGRDPKPLPPAFRLTREM
VEGMGGSESAEYRQFCSLACQAFNALRKSAGLVNLLHLMDSAGIEDLSNNPSADADGVI
AKVEERFKLDLTDEQAERFFLGLIHESQSALAPRLMDVVFHSIAVARR

>comp5044_c0_seq1; 305 148 993 LEN=1051; translated
MATSAYMVLFPPEDEGKTDGSSSRCLSPSTSFATSGSRIANNPFWLGVGVGVIILSRVASYE
IKRRRFWQRTRLKFLSWLYDGVSSATATGGEPEKTRQTPLLQKLRKPSLISELNGNPLVRR
SESDENKDNSVCGQHVELVSPDWALSSDLYCDIVRLPSGTELMASKNAPGVEFYVLENGN
QYVDQNGEKHQISAGFGFIVDPECARGFLVGGMSNLTFRATDVAMSDGHNHVRLQASS
LSSAAAIVRAGLRKIHLRIDDNPLAAASDQTNRLPPSPCED

>comp5046_c0_seq1; 359 1 697 LEN=784; translated
XGLSHRHPIVEEYDCGEHDEEEHQQGLSHRHPIVEEYDEEDDDERNERSRDTTEEE
GSQQSRASHATNHSSSFVAISVSSDGCTNKDNSNNKGTIDVSVVEVTLHYKNPTTSLPS
TVQTDDDHASHNHQEIPIHIESIPPSHNRDASLPAPKVWKSPELSCSSSKPCASPDATAN
ELDLPSVANKPVIAIAHESSSKVAHDLPSPPSPSPRSSSFDRLLDVVSGLYW

>comp5047_c0_seq1; 350 56 1759 LEN=1937; translated
MALQTGVFHTAGAGVLRFLILLVTSLVVALAFFLGGAAAHEGSPRGCSLCPDGGEIEFDPD
APIPFFALPTADNPTCGDLAFLASMVPHDSIRCTEDLQPHAGYCGCPNVEQSNICSFCDP
GDAPDRPDLTLLMGDTCESLYRYVSFFNQDQCNSLQYSKIIGNAYECGCDISVAKLRQAD
LAPLQKQHNCNLCADGSMPPDPDFYLELGQMTCEGYVDYAHSLNPRQCEIQSRRGTFFALF
AFQCMCPGAEPACVKQENPELCTVSLNNSVDHDEKCECYSFCDGEFVGC DKYPGHFLGD
KCSGTKISGCNYASAIVDVAPEPKPEPEPIDDPNSCSICPDSSNNIGNPEAVLPPFSGI
TIPGLLEEPTCRDLIDHLGKKS KGDTECKVAQSRLSHLCGCDGAEPSC TLCPGGVPPSFA
SAMATVDETECEQFASTVLTWEADTCEGGESYLSVMAARCGCVTAEWVPCVLRQPVLCV
NLLRSTDEVCECYNFCGSEFHSCADYPGRLLDESDCPEGAEAIAGCNMALATSQRCSRGS
IGPPCDGYYEEVAQTKLRHNLRHNLRH

>comp5048_c0_seq1; 449 202 1206 LEN=1206; translated
MRHANSNSNQHHYDRSRQDHYEDEARLGNQD TENHPYPHAIASPYHQQNVIFEQQNRRVM
QQMQSSGYMNGMPQYPEEVMQYNFQMNQNGFNKTGHINGNNIMNPQMTYGHRQTLPFED

EQDNIRFREERNHRYSELYEESYAPRSSTPSGMMTSTERTRGTRAHTSTSRSTSGYGSS
MVSSSSDSDTDDSNWEDNIF SALNDMAGNLKKMGGIHCNQAGPDTTEVQLKINLPLPIHS
LDAVAKDAMATLSPKKCSNMQYDNNFDMEEQFLGAMDKLQGNMMPVYKSLFESQSDSSSF
EDDDDDQSESTYEDPRFLPTNANIEQQQQQQQLQQQ
>comp5049_c0_seq1; 135 1 740 LEN=871; translated
XRSLFDHCSRNNLTNTPVQHSDMSRAPANILDRPLGGRGSRADVQISLSSFAFLYSELVQ
YHQNRVDSISELERRLESSGYGVGLKMLELISYRNRXDLNSNNDAMICIGFTKTYAAQTR
NQThERIAFCLDPGVEALFGKPADSLERSVENADEFMIIDNDPLTSTFCVSPADFGQLSV
DAYMSGIVAGVLTGAGFSARVTAHSVALEEGERSNLNSSLPPRKDKAVFLVKFAPEVLER
DAAMDR
>comp5049_c0_seq3; 185 1 683 LEN=814; translated
XRSLFDHCSRNNLTNTPVQHSDMSRAPANILDRPLGGRGSRADVQISLSSFAFLYSELVQ
YHQNRVDSISELERRLESSGYGVGLKMLELISYRNREHKRETRLMNVLFHFVSTQVWRALF
GKPADSLERSVENADEFMIIDNDPLTSTFCVSPADFGQLSVDAYMSGIVAGVLTGAGFSA
RVTAHSVALEEGERSNLNSSLPPRKDKAVFLVKFAPEVLERDAAMDR
>comp5050_c0_seq1; 146 1 559 LEN=706; translated
XCKKNTFNDFVDVGRWLINDQKITTSQDLSCEGRSAGLLIGASMNQAPGLFKAALLGVP
FVDVVPMTDASIPLTVVEWEEWGNPNEEKYHKYMMEYSPINNVQSGARYPSCLLTGGLH
DPRVQYWEPSKFAAEIRHRSDSANSGPCCLRIDMAAGHFSASDRYKYLRELAFDYSFLLD
QLGLVE
>comp5051_c1_seq1; 759 218 2302 LEN=2797; translated
MVSLSGAPSLVRRRTTTTAAVLFPVLLVLTAAATVWFRPSSYYHDFHFRDGGIGIGEVAQT
DPLASASAPKSAPGSNPNHEDDGPAMVPAELLELGVYDESRDFVNERGFSPTGWEEP
ADPTVWGPCRFTPVPRPGSSFSMAADVSWADRRRWTRSNETANATALLSRSDDYRNADPD
DFEYRVAVALSOLTGHNSNEKHPPFKGGWCRPGFLIIGAGKCGTSSLYHYLMGHPRIVP
AIEKQIHYFKYHANTRPLAWYYGHFPTPQSFLDHGALMTGEASPGYLPYPEVAKLVHQTY
GGTGQDAGTDVGMSLQYLLGDPAYRKRAPAVPPRIIAVGREPLDRMYSSYRYNYVPTI
EHLRSRGHPAIRKHHRYGTKAKKKSSHKEHASEEFVFEFNHPDDEYYMPYLFTEEFVRA
ELKQLRGCIFYDWGPRKTYMQWRRDSIYGKTIKLRNGAFVDNESSIAAGKNATDSSAPPPL
IALDDVCYGKSVNKTVYREQWAEMQMNNPEKKVLLNKNLHLTQALIGRSLYTFPLEWWYL
DVHKSPQPIIFVCTDELTDSETLSELTAQLGLPAFDGFDQVLAEGAYNVGGHGRGYDTATS
WEELELEKQKEQQQNNDESSRYSSSGSGGNRTRHRYAAAEDVPTAPKGAAPGTLTT
NGIPLPEDLYRELKDFVDPLNERLFAALTGKRCNW
>comp5052_c0_seq1; 228 204 1160 LEN=1262; translated
MISNTEGSEDAYSLRSGVARLDICSVLVLCVGFYSLLANTYLFQQHESSLLLHDENDA
TLQQCLDSAGGLWTPQENNAIYQYDGLHRKNISTDFRILCTSLNKRITWGSYRLRCNDL
KRWTDVCAPNVDITVGVSEIEQIHSMWGKKAHDIKNNSISRIGPNNNDSMNVDDIFYNATI
FVKLSLRKEFPQFGNKFIDLVDYRKAENIPLDMHLIFQTSWQGPTLFPNHSSSVVEHW
YNSYPSDMTNLGDPEYLPSEIEQKSPRHLNIATIWNTRRSLDPTEGGCPRLKTPNVKYSCI
DKVSLVSNHEYGSQNNEA
>comp5052_c0_seq2; 341 204 1604 LEN=1685; translated
MISNTEGSEDAYSLRSGVARLDICSVLVLCVGFYSLLANTYLFQQHESSLLLHDENDA
TLQQCLDSAGGLWTPQENNAIYQYDGLHRKNISTDFRILCTSLNKRITWGSYRLRCNDL
KRWTDVCAPNVDITVGVSEIEQIHSMWGKKAHDIKNNSISRIGPNNNDSMNVDDIFYNATI
FVKLSLRKEFPQFGNKFIDLVDYRKAENIPLDMHLIFQTSWQGPTLFPNHSSSVVEHW
YNSYPSDMTNLGDPEYLPSEIEQKSPRHLNIATIWNTRRSLDPTEGGCPRLKTPNVKYSCI
DKEFDITSWYLDLFNKSDCEDMARTMASSQLGTGMLYYNLFKFDALVVLAKNHTDKLE
YGNVQRAISQMRSGVPILEVRGRVFEDEFMDKYNYSCAFRRYNDGRTSQKTRPLMSFDEA
VEKMSPEIRRQCQVQGLEIVKDYSPSKIGQKFLKAVGYHGEFQC
>comp5053_c0_seq1; 579 670 1812 LEN=2660; translated
MDAAIHNFMRQRRPSNLLHCMRDGNI DAFRYIEYSKRRRVDFLKRANFICTMKSSLQ
QQRQHQQRQQLLRQQRPSLSGMNTVMQPAMSI PPVVPVSVLTKLPADLAAFVNAAAPS
SAFGVGMSGLAFSKVQGSAAARRVSNAGHRQDHQFVSSRASSMPLPFASSFAINSTNYNN
ARSATTTTANKRNIGSRIVSVEEDCSSNAKLGSAADDKKTNKRMASSSIPKVISSPPS
PSLYQQRQENRQQLSCKPHRRLEKEELEAAEALLFGMGRDCKVNKTPENAAAAAQGRS
LGIDKRNVASVSEYEQQAGEEVSKKRKIDHCHHGLCTTAATDDDAESSTIVSAEEETS
LDNSINSMTQKCAKCIAREFR
>comp5054_c0_seq1; 261 187 1095 LEN=1586; translated
MSSHPLIQVFLLSLV DATDAFVAQSPVASRSSLNNGSYRKTGSSDSRCFNFLKDALDKA
FNSNDGSLDKDKRAGQYDDIYAGEEYIESDPSADDKLTDVQRKWRQSTAAFDTVVPEMIAG

KSFTLDLFLSGVPDRDPSNDLYGSRVNISSRDKSTGLSLPSAPSASVQLDFLENGECRCS
ESDFTSGESNGEWKLSDDGKVLRFSDAIGYTRTVQTKGSIQNVYWTDEEEKSIQTSTTY
SIPPGMVYGDVQVSLGRKPGTFEVEKEGVLRLKSTGMFGIGTQLVACGKFVPKLKIDDA
VA

>comp5055_c0_seq1; 790 1 2174 LEN=2204; translated
XNGNGADGNPEDGRNGENAHLEPYATQATTYRYALFEYGDLDLSVAHEFSKRRLGMTDMEV
TENEYDEVVRSRKRLLKEEHNWTFDDWFHVRSGKGNKNDKESTDRKNNKNDPAVHLVL
EASVPPWEVEMHRPSIRNDDGVSDGSKNATAEDFRLHPAAECVRCLESDSEASFEEDFD
PSDDGIGSYIDFVYRRMMAETLATTEEKPGGEVVPGEQPQNATPCNADTVDGKPLDNSGV
GSCSDHAMENQWFHCVDTRDLGCEAACHAESLKQHWYDLTQEESKLLSNPEEVQKDACP
VDESGSRMFLPAYKLNPELIELERLKSEGLLVQHEEEDDNFEPEDHDNSLDFTFFSFEL
FFGNNTDNIYTPHVKMAYSFFLAHCVKSLDNWEAFFSDIFFGGTIPDALGRLSLREEKS
RGSVHVRSPILQQWDPESENSYVWSKRDEEDYITCPFFFPFAFHLVAKGSSPRTWSSQLFD
NLHNSRDHEEKNRTRSRRRVADSIKSWILDSIRRHSSDPKSSDDQECGGWFASFLRAVHR
EIIYDDIDVSDAAVLLRKNYMKSLSGNRFAXHNIGKIAMPKSAKESLTKSSHALXEQTDLSP
EEHLVTPRVEVLGKILIDVWMSLVDFSLLLKIASICSNEPRDNVVVVCYVGSAAHAKAVR
DFFCGPLGFKRKASVGKFTWDDCEAQTLDLPSKLNWNLSELFXMLQRRTEYYCKRVLPAQV
VSYHA

>comp5056_c0_seq1; 374 197 904 LEN=1015; translated
MITPGIQSFFLCSWAVLLLFSTRSEGFLPTGTPRKNSVSSPFLPTNGSLPGCSVATKSTS
TELQNLFGNLFQSQKQEGGDTESAGSSAPQPVVEIMDIPARVIKIKPLKFYLLQFLVLS
QQNTPFKGAWLLNANEEVEEYLEVYFSDGTGMVSVQFDDLYGLKIQKQQRPSLQYLLQE
SILLHALLDELEAIAFGQGGDDGEAVDEEKRLQFAEGNKDVLRSRAREALPARAA

>comp5057_c0_seq1; 198 172 1035 LEN=1073; translated
MGRMEPKVPSRRIAPCLPQRSMASWPKVRPKRIRMITFDITGTLVSFRGSLEEHLGAAT
KHGKVNVDSSQFASAFGRAYKETSCLHPCFGGEDMTAKDWRICVLKSFKYAGATMDDYT
SEMVFQRIYSTFGSSNAYEIFPDALPFLNWAHRNGLVCGVLSNADERYGDSILPMLGLTH
DELQFQCYSKDLGIEKPDPRAFVAAMHRGEPLLPDSREPLEPSNVFHIGNDFQKDFQGAR
RVGMHAALLDRYQETELASEWRRRGVVPVFTDLLDVVEFLGRSDCILG

>comp5057_c0_seq2; 140 1 1015 LEN=1053; translated
XYEYEEYNTSNNTGTDVVFSSYGMNNVFRNKAVVTNASTCCSLHTIRASMGRMEPKVP
SRR IAPCLPQRSMASWPKVRPKRIRMITFDITGTLVSFRGSLEEHLGAATKHGKVNVD
SQFASAFGRAYKETSCLHPCFGGEDMTAKDWRICVLKSFKYAGATMDDYTSEMVFQRIY
STFGSSNAYEIFPDALPFLNWAHRNGLVCGVLSNADERYGDSILPMLGLTHDELQFQCYS
KDLGIEKPDPRAFVAAMHRGEPLLPDSREPLEPSNVFHIGNDFQKDFQGARVGMHAALL
DRYQETELASEWRRRGVVPVFTDLLDVVEFLGRSDCILG

>comp5058_c0_seq1; 128 76 673 LEN=975; minus strand; translated
MCTWCGDGI LCCIGRYDVGVAA TVVGSTCLRN VVVPPHETAIRLEADLRCLICSDLQSF
QCSELACPVNRTDTPSSRRLQDALKDLVSGTLVEVRDNRLHVVMGNLVS KDANVLQERLD
SRDGGV VIRRNLQRRGPVALDDELLEAGRNL LLI VLGAVLLQDILQSSHGFLSLGGNA
TSAGGVAEARNRSQKCSG

>comp5059_c0_seq1; 411 94 987 LEN=1719; translated
MSTSYRIARKALARTSNLRLCSQWSLP SATTVDLSRTKGFVAAKHMSTSSAGGSLLTTL
AKENPYKDVVRYEFKNRKWNLHHVDFYSEALAI GLEENGLQPGDVVLSWLP AHFSESMVL
QFACSKAGLVLYNLDPTLATKDTEAAKEALAQALTVTKANVLISQEAGSDVNYVRLCESV
IPEIRFFDFAEGKPFITPRFPHLR LPIHAGFDQDDKWGMLLLKQFIVPADNLS DHLHGFT
VDGSTPFLGELIVDAKGIPTGTGKIQTNDEVAKSGALETYSKILSRDFHVVEGEGVVW

>comp5060_c0_seq1; 268 171 854 LEN=1259; translated
MASTDQT EITLKGSDIVSEFFFTAINSILYQRGIYQPETFKRQSKYGLTVLTTTDDGL
LKYLQVMAQVDSWLLNGDVQR LVVVSGVDSGETLERWQFNVDLDGGSEGGDENRAPGT
NPNNTAKNAASSDSKSKSNKSLKEIHGEIQAIIRQITASVTFLPLLNEPCSFDLLVYTKKD
AAVPTKWEDSDPCYIMNSQEVKLR SFTTSVHKVDSMVAYREAEDWEL

>comp5061_c0_seq1; 115 1 1171 LEN=1171; translated
XLPFGVAVQERKKKSKKETIDCRNRTTAHRANTTPTTMECVDPDHRFRASHPWPSFGL
GASSPAFQPDRTSARGTPRAGSAKRQRGWELDHPRHERVEEPGHCPPEHHVILSSSQEEE
EHDESPMHRGDDDFYGEFRPSAGKRQRLAPPPGEIADVPPRSSDADLFSPEEPRLVPE
DWFVPSGEAFGDTGASERFESEHECEHECEHEHEHSEWKNRPPPAGPDSSVSRRCVVEQ
EARASGTRGLSPGGTTEASCHVCHRAFR LPPPAPLASVMPANALLNYFAPLRPQKGRDAP
MAKGAPLPASKGICAXLRPAGLQGVPAVRGLRQALLLLLHHHRGRARGRPRDLLPGLL
LVPAAGIFGSVGRLLWVAPSSEPKYNTLCMGR

>comp5063_c0_seq1; 269 1 441 LEN=1884; minus strand; translated
XTVTQMMKAVDFEKIANASPETWNKKKEEKAEAEETEKAPPLTPSVSNTHIGNVNPADTAG
CKVIPGTTTPGSNKEVTAKDNVQMHTPTVQTKESSMKTLEHTSKQQHFYKEAKDNPKGKG
PSASAAIVKMNSEFAGAVLNHKTVLR

>comp5063_c0_seq2; 253 36 623 LEN=1800; translated
MTECTTSQQQAWFLYAKYPLFSQWEFALKGGKSVEGEIYCIDPEADLIVVQDVENGITMI
SLESIEAESPPSSCAGKNEENTNASCSTTIVDEPSIDVVHAKKTLEDREKRAIRLAQESL
KHLNPKALPKGQLVFDRLKACNEVVWKSNSIVVLDIVVDPPYTQGDCKILAKAPGKQG
SLDRVQKIVSSISRT

>comp5064_c0_seq1; 459 109 1662 LEN=1865; translated
MLSVLAAAPFLLSLSTVTATTPDHVSSRLMIHVPHKLFVAEGYDHREALFGIPPYGGISIT
QNVYYADDQLCDPVVDTTKGYPRREEDANGKMEEWKAPYILMVDRGDCTFVKKVRNAQRA
GAAGVIIADNTCLCSDARCIELSDNPTCETSEPIMADDGSGSDISIPSMMLFKHDADMVK
DQLIEDQPVQLEMAWSLNPDDRVEYDLWTTTPSEKTSKKFLEEFKPVAKALGDSAYFTPH
QYIYDGIKTNCRGNDGENFCYNLCTNNGRYCATDPDNDLDHGISGADVVKESLRRLCIWK
HYGESDGI GEVWWDYIIQFMDRCNTPDYFMNEDCVNDCYKRAKVDRDKIERCMSDSGGLR
KDNSNALFDSELELQEQRGVVVLPTTFVNTAAMRGQLTVGTVFGAICAGYAEGTTPAICE
TCSKCSDVVACATKGKQCQDSGSSSGQVSAHTFGFTIVFMAMAFAGAGYWHYQKTRDDMRE
QVRGILAEYMPLEDNDADGGPGPMEFAMRGGNTPLFA

>comp5064_c0_seq2; 383 286 1377 LEN=1580; translated
MADDGSGSDISIPSMMLFKHDADMVKDQLIEDQPVQLEMAWSLNPDDRVEYDLWTTTPSE
KTSKKFLEEFKPVAKALGDSAYFTPHQYIYDGIKTNCRGNDGENFCYNLCTNNGRYCATD
PDNDLDHGISGADVVKESLRRLCIWKHYGESDGI GEVWWDYIIQFMDRCNTPDYFMNEDC
VNDCYKRAKVDRDKIERCMSDSGGLRKDNSNALFDSELELQEQRGVVVLPTTFVNTAAMR
GQLTVGTVFGAICAGYAEGTTPAICETCSKCSDVVACATKGKQCQDSGSSSGQVSAHTFGF
TIVFMAMAFAGAGYWHYQKTRDDMREQVRGILAEYMPLEDNDADGGPGPMEFAMRGGNTPLFA

>comp5064_c0_seq3; 424 909 2189 LEN=2392; translated
MEEWKAPYILMVDRGDCTFVKKVRNAQRAGAAGVIIADNTCLCSDARCIELSDNPTCETS
EPIMADDGSGSDISIPSMMLFKHDADMVKDQLIEDQPVQLEMAWSLNPDDRVEYDLWTT
PSEKTSKKFLEEFKPVAKALGDSAYFTPHQYIYDGIKTNCRGNDGENFCYNLCTNNGRYC
ATDPDNDLDHGISGADVVKESLRRLCIWKHYGESDGI GEVWWDYIIQFMDRCNTPDYFMN
EDCVNDCYKRAKVDRDKIERCMSDSGGLRKDNSNALFDSELELQEQRGVVVLPTTFVNTA
AMRGQLTVGTVFGAICAGYAEGTTPAICETCSKCSDVVACATKGKQCQDSGSSSGQVSAHT
FGFTIVFMAMAFAGAGYWHYQKTRDDMREQVRGILAEYMPLEDNDADGGPGPMEFAMRGG
NTPLFA

>comp5065_c0_seq1; 412 210 1319 LEN=1442; translated
MTIPRHLRQRSEFLTSLKRRRRWSFRHSVVLGILSLALVGCLRYLAVPLAYDYSPHST
RMQNTNDSYSGERLFDSPGDVPMDLIRSFDAIILVGGGKPRADRPPVYVERRCDDAMEI
VRTRSESYANDTKHKHKHKHKGAKEVDHQLPILCLCSAGTAHMPQLLSADGLPIWESTACA
AYILRESHRTNNGTGASLGTTPSLIPPEISIFVETSSYDTIGNAYFARTSHTDQNGWRKLL
VITNEFHMARTRAIWDWIFSIPPAVAMGVAAGGFGEFPAFDLYLESPPVGMAREAI
AA
RKEREASSARSVDALSKKYSHSLGDVYRFLTHDHALYAASPLVDRGKATAADILEDVND
AVKKS
SYGLS

>comp5066_c0_seq1; 605 43 1431 LEN=2184; translated
MVSTRLAFLLVSFSLGQLGDGLNIFQGVFLAGVGWAQGAAGTALSMLGLTSLVMQPFAGN
WVDTTSDRRFLVFLASVITACSASTILFVHPSSLNHVLIYASKFVEGIASSFINPCLAA
LTLACFGPTQFDEVMA SNVYWGHSVAAAVLAGIVAFVSYPRIEYCFLVIGASALVAIV
FIRYLPQGNPLWGRGLDASSIPSLEYSDTDEIGSSQSEDSTENEISSESTPLAPTNC
SG
ENTPQVASYWEVLSEFRTLILCMTGFFFHFANANVLLVGLGELMGQGDEEQEGVTRTAIPL
TAGAIVVAQTTFMATHWADGRTEQGWGRKPLFLIGIATLPIRCALIILLKDAGHQYLLA
TQLFDGLGGGLFGLIHPFIVADITFGTGRFNAVMLGTASAFGLGATLSNYLGQRVAEHFG
YVHSLMASFVISFIPILFAIFMPETLGRRTTTNTKSVSLH

>comp5066_c0_seq2; 605 43 1431 LEN=1833; translated
MVSTRLAFLLVSFSLGQLGDGLNIFQGVFLAGVGWAQGAAGTALSMLGLTSLVMQPFAGN
WVDTTSDRRFLVFLASVITACSASTILFVHPSSLNHVLIYASKFVEGIASSFINPCLAA
LTLACFGPTQFDEVMA SNVYWGHSVAAAVLAGIVAFVSYPRIEYCFLVIGASALVAIV
FIRYLPQGNPLWGRGLDASSIPSLEYSDTDEIGSSQSEDSTENEISSESTPLAPTNC
SG
ENTPQVASYWEVLSEFRTLILCMTGFFFHFANANVLLVGLGELMGQGDEEQEGVTRTAIPL
TAGAIVVAQTTFMATHWADGRTEQGWGRKPLFLIGIATLPIRCALIILLKDAGHQYLLA

TQLFDGLGGGLFGLIHPFIVADITFGTGRFNAVMLTASAFGLGATLSNYLGQRVAEHFG
YVHSLMASFVVISFIPILFAIFMPETLGRRTTTNTKSVSLH
>comp5067_c0_seq1; 506 24 1208 LEN=1266; translated
MKMKSLCNLSAFVTLTTFGASTALFVPSGWRQAHALKNNESRFLSQRGASSSSLPDTGTR
NAERNNEFVEGLMGNLSKLCDRYIMNGSPKIREQIFNVLDQIATEAVDRDLVNQSIIRIVK
RAGVPVHKTYLEKYSELGASDADRRRSEADKRSKWENEKKAAGKSALSRRRIAGSDGRPD
LLTPSLLDPDSIATIAGEKKELQKEIQNGSKDRTPQNSMSTKAAEEAACRVSEIIAKAGS
GDSFDGETLGVGGLDDVLVQIKRRIWTPLAAPRLLQELGIHPARGLLLYGKPGCGKSL
ASTLGSLSPFRPITVVSQPEILDKFVGSSEKNLRDIFDNPPDIYEKFRVNEEDGGDSL
SAAIHVVVMDEFDAVARSRGSDGKGGQDAGVA
>comp5067_c0_seq2; 703 24 1751 LEN=1944; translated
MKMKSLCNLSAFVTLTTFGASTALFVPSGWRQAHALKNNESRFLSQRGASSSSLPDTGTR
NAERNNEFVEGLMGNLSKLCDRYIMNGSPKIREQIFNVLDQIATEAVDRDLVNQSIIRIVK
RAGVPVHKTYLEKYSELGASDADRRRSEADKRSKWENEKKAAGKSALSRRRIAGSDGRPD
LLTPSLLDPDSIATIAGEKKELQKEIQNGSKDRTPQNSMSTKAAEEAACRVSEIIAKAGS
GDSFDGETLGVGGLDDVLVQIKRRIWTPLAAPRLLQELGIHPARGLLLYGKPGCGKSL
ASTLGSLSPFRPITVVSQPEILDKFVGSSEKNLRDIFDNPPDIYEKFRVNEEDGGDSL
SAAIHVVVMDEFDAVARSRGSDGKGGQDAGVARDVSVNQLLAKMDGVQPLAVPTLVIG
LTNKRSLIEPALLRPRGFVQIEIPPRTNEQRFSILKVHTQHMFATAGRLQVNDPPDPS
AAQQIENADTSTLLAYEDLLMKLATLTDEFSGAAIAGVARAAASRALERAVSQFSDEIES
RETLSIMDCLVTQDDFYEA VNDVRESMGTRDHS
>comp5067_c0_seq3; 141 1 449 LEN=459; minus strand; translated
XRNDIFLNDCRSTYVVI IAHTGTPARFTIRIDWFTKSRSTASVAIWSSTLKICSLIFGDP
FMIYLSQSFERFPIKSTNSLFRSAFLVPSGKDEDDAPLWDRKRDSLFLRACACRHPDG
TNAVLAPNVVNTNADKLHLKLFIFITVD
>comp5068_c0_seq1; 719 1 2541 LEN=2789; translated
XSNNTHTNP IAIPEGLTSSTEHRSSSKNYHHGILSAAAAANELEESFPAPPRACFPNAA
TENKASAPTSVPDRQGEAPLPVRVRGVARLLVDAASLPALVHAGFTAYVLPREDPYKV
LKI KRDRNNRDAIKKAYREMAKSAHPDKNRHLDPDVANKRFHRIQEAWELGDKTNKRK
YDQHLRDKEARERRNRPTKQKEQERRQREKEARETRERFQREQERMKKEQQRKKQSEMH
AQEAQEALLRISTLEQLHERSNLFDKNTNTFKKHFLCVFVGNKKAQEQTAEKDYQFPYFPG
PRGTNSFDWTEIMQTAKVRFNKATPLTRAFRVSARASDPIIVFAKKSRLDLFEFETYTG
GNLEDWVLRMMQTSVSVVNR YASGGPTIKIFFDDGDTLRSAGKAVPPGFMLQIPLKISDR
LLVVDAGTDDFTGGVIGEKRQDLEKLRDEKILDRIALDRMYAREEGERFDIGRGGHTT
RVCYDLSTCHR DATREKCEGRSRFFHAMCAKSCGVCIESNYWNGIYYLLHKPLDTPD
VPCVRRILSWLRDHGEFGSVFVHDL SHMWEKRRNIMFGFVFTGLVLGIQIVLLARMFMMG
NRRSSGRGRAGECTFFSSPAVVGFLVANSAAIGARFWSATPRHKVPPFLRGFRADLKG
IEKSSYQLLRILFCLGAVSSYVSIAGVRRRLRPLILRETATFATIVLATALLLLIGIDHYF
HREFTGDKLWKRHRMQWESIWDLRKNAAIAIIVSGILSGALIAGLGRFMKQYIRPLYLV
LSTANIGLWSGLLLFAVHFDRFFYEDLKHTTEMRMSAAIPCLILGLIWGMSG AHLVSTYR
VKVKVD
>comp5069_c0_seq1; 477 1 1449 LEN=1538; translated
XAFQVMAAHSAMELPIKELKPVNMRKFVYLQLILVSSAADVATPDP IPPPLGDMPPALVE
SAPAI EVIETYSLPNPDAIAVDPTGTFVSGTKDGYVYKTDIESGDIETIFSPKDFRPDY
FVNQTDEEVRGLCDGSTLANENTCGRVLGVKFDLDGETGDCNGLWMANSYFGIYEGTCGA
PWEIVKRVAIEGGFVNDIQPLSDGEGNFLYYTIHQSKTRNELPYVVLDTMPSGSFHRL
ETSNYTTEQLGDGIYFANGLATSSDEASIFISETTAARILRYDIMSGEIEPFLNLPILP
DNIVVQDGELLVPGYTRNEDMETFLKDPALIAFASHQFPDYVQHRFKSMIAPQGNLVIYD
ESTGRMKEQIFQADGGLFSLASSATRLDNGDYVVGSI FVPAATRFRILPHISQLPSSSET
TNE DNGNFVEWVFDPNLVSNKELGPESGTDSEPELEQSSSSSTEKTIIQVLVVLTIISFA
NA
>comp5070_c0_seq1; 443 1 863 LEN=1016; translated
XSTSQSSLVPPPPSANADHPSFSMIFEGLVAPSPQMKMVQCKKDSIEKTSANVCKP SLSF
FSLPLETEKTYSKNELNATNAIDL VVPDFVDPKSFAGMDALQNHDKGGRTFSVPLSKENQ
VSEGTSESDSVEEIEIGDVNHILDLLLVNSPKSEGHYVNSPETNSLPGEDISETNPGDCWI
PSQSTNKKSTTDEAKGPSKVCNFEINSVKNIAHGNNQCNNLLLLNSPALQ SRAQTEETAS
ATFMSPDVYHEQKPESETPETLLLSYNEKDSFVENSTSF EFSSEPQT
>comp5071_c0_seq1; 231 81 1412 LEN=1504; translated
MDPTTDKSRAPRSDFYSEIDVKT KHPDNEVDHRPNGGPLLKLLWSEEPLTGQTLFLGGEV
GSDGKIYCI PGHSRVLVIDPETDDVTLIGSKELVSNGT KFKWLRGIPIGDVIYGLPCHA

SEVLRIHVPTQTITKIPIPYETFYEDPAVAKQQRKMIWKYHGGNICHDGCIYAVPQSALH
VLKIDPETDTCSLVGPELPGKYKWYGGVESGSSIYCVPQNSPHVLRISPEAITLHG DYGE
GGHKWHGAAAADDGTIVCIPNNVDTVLLVKPGEEDDGPTEIGDGSFIQTGRHRSDGKY
KYLGAMTGTNGKVYIFPSGSEQVLEVDTARNIARNVGPNLDRSGMERIFQNKWQNGLTNP
HDKCVYAIPLSGETLLRIDCSNDRDAGGDGVEVTTWPLPSPFETLTKWEGGVICANGLM
YTMPNNCKAVLKIQPCNWKPDNE

>comp5072_c0_seq1; 683 161 1822 LEN=1851; translated
MRXL FVPLGLVIGFAVAYEQRIKHTSHKLDVSGGQATSDDR FDEIPPIIWLHSVRSAAD
AFVGYPA AIDRSFDTANIFPSALHDAAYPRRKL VFFSNSTHKHDSVLCYSTREP KPD TTN
DSGESSLAESISR SYAEKETDGVVELATTSSLLTDL SVDIEDDLIPAILEASGGRKGIVA
SIMNAMIGSGCHFIDETKTKAGTTPGLVSDRVLSLMEGLFDAADVTPDIVTYSLAYEALS
KDDPDDTDGLADSIETAERSSK KIAGGKRRKLLASSRRKVTSSFSDAEDDLRELLGADF
EVLLET DGFVAVNKP SGVPCFHARTTTAGKIKRGK GKKKGGKQ QNENKANDRLPSDV
SLEDALVSCNVPLSTLNPEALGLVHRLDRGSSGCLILAKTNELHARLVSEFFLRRTTKQY
VALVRETQASSISKKGSIDHAVGGRSARS DYQLLERYRSDGDDAAMVGF EIFTGRKHQIR
VHAAEVLGSPVWGDPLYGAGDGGPNTKPPQ QERIFLHASRLKIPVLGVDVESPVPSWVES
TLSTFG EKNETKD

>comp5073_c0_seq1; 459 53 673 LEN=870; translated
MGITREGRHKRRETGGRRAQFCCKRKYDLGRPAAMTKIGEPRIHKVRCRGGNSKFRALRL
DSGNFSWGSEVCTRKVRVLDVAYNSTNNELV RKTTLVKGAI VVIDAHAFKAWYESHYGVK
IGVKKNNKEGETSGQSIDLSSKSAQVAKK LKARQADRTLDEALDAQFASGRVLAKISSRP
GQSGRCDGYILEGKELAFYQRMHKK

>comp5074_c0_seq1; 1074 1 2602 LEN=2730; translated
XPPRSTAAETPSPAEEEEDEGSSFLYCC LSPNHSFDK LKDG TGESGRLPPSSGALRDEFE
QTAVIEEPSFGKQLGYREAEQAFAP EYDEATLASTIFTEANQGSEPRNPRSPSGSWHPRS
TSGFDPEGASPCPSTHRSWDGN DAGEMGDARYPRNEAESWTGPVGNTEEYGRGQDCDAEQ
IEMELGSYHPDPDHISLSSNDTDSLTYNGEEEA AITEQVKT TVKAECELEDYDVS NVLHGK
RSFKSKTTEDGSSILPLHSPSE RRRERRKNAMKAHRDFLYNMSTSASACNTEDHDRNDADN
AEGA VDSGEENGSDQHEGEVAVETPGIAGSSSSSGSKPNSIVHDNAGRSSDADK PDDIIG
MVRNAFTVMISSKA EDEPDPEASVLNESK PDLQVDQETAGLPLAQEEASTSGPQSPVEEA
LNAA YRFFAPSQADEPLINEPVHGEKQ IILQCTNVEPNPVS RPEVTVEDPVQEFPP EETIE
EKNSIHS LPSIHSVSSTPSDEAVTNKLEL PPKPKAIKDVGYNVEGI PLELRPQKIWRVPP
STMIAEEENYMSPTCAKESYTAQIAEAPASPPESIRDAGREQAEDASIAEQQHEPSPPSD
PVPSQMESDIDTNDKKLGRHAQRFR RGRDLRRFNRR LQQGDGEKRPVPTKEPSLSADPPE
KQYSDT SNPRVQRPHRDVVPSPIVAGGGETIRD TAAGALAAPSMPDPVSPRSNKAD FVVG
SRRSNLSEIRSRIKQRKSKLQSRHQAEQLSPLNRRR DAASPQRIVSKHNTADAPT KRSG
IEAAKTRNATVRS AENTPVVNAATDRRDDSASCSSKDGDEF DDTITFDEDNMEGMIDAMT
PPRVQRYLEASSPMQSPNTIGAAISLD

>comp5075_c0_seq1; 562 107 1234 LEN=1408; translated
MKNQLKALSLGDGNDLTPDLTVDMK KLTQTFKTEVVNDGKKAEMIKDCEEIYQDWKKILA
SASYLTSEYPTILDAFHQTELVESDFKSGDILKGVEEMEKVYEDIEEVYQSRAQLMHSFI
AIERWTGNIDLIVKQ AIDFCEKHQKAKEKAE EAEKSLKLR LRKMESRILHRMHL DHLV
KMGKGLDKSTIESSEPEPTTVVKEETKTIVVKHISMREEAEKFASSVEEDTKALVVEAEN
IEDFMKKNKTTIDAFVND SKEIKKDWGASLKA IANVQSI IPLVTKALDEVD AIGNLIQDA
CGAASLNPTAIIAVIKDGKKA WDDFEAIYQLGQKIKQVFEHLVVLEAFIKATVQLISTGR
VLVKAYQASCPIKL

>comp5076_c0_seq1; 193 1 922 LEN=1220; translated
XIELLTSSAPLYQLHKSKNMATTD TMKRPYRHSSTTSRFPPTS LQDITEMPRHLEGPYNQ
DGPHERMEQRNTYGS GSNSTNNKKT TTTSGSSYDDQLLTKGERVGA IIGLVVVL FVVLYF
IMLNIRVRRPRSRK HRRRNTGRRKR TYEEDHDSTTDDDSSTAELEMAEQQSVTPYALTK
NEDKQVDK PQVSQARSWLWNLFKRTVQEEDKNQLHQAPKHTVGS SDCYRHSDEITFPF
DEKSSRRVANGTTENLYVSNDDSVITLRDNDERDTNGDDVFDGIEDRDVLASVRLSSAST
AYTTNQI

>comp5077_c0_seq1; 236 53 541 LEN=1234; translated
MDVSKNETSHGEDEFFGSQDDFERGSSLRIG EFGNMNEHEIDAKRNELKHVGF LDAYDEF
KESRMQEGFERGFLDSFAAGKIIGKIIGEATTLEKIYEQQSEDQSANSHCASCKPVRSGK
VELIRDYFTNKFQKDLDSNNGKQGLRNLI SKTEEYPTTGDF T

>comp5078_c0_seq1; 106 1 484 LEN=670; translated
XKYRTIQYVLVLLNSFNWASSHKLISDNLVAFQLPCTQNKNEKNMKAKSTCIAAAAATTC
VLGHSVLMNTPGAEAFSQAKAPIARASSPYAVAVSTSRMAAAVADSDVGCSCPCPKCQAA

KSQSAGCPCPNCKGAAAACDCPDCSGAQRGQGCPSCACQGA

>comp5080_c0_seq1; 1025 278 3082 LEN=3424; translated
MVSALQSKQKENRCSNSSTEIYEDESTSSDGSTKCADSSNSDMTTEPPSRSTSGTKISFL
ATLVSILGVAVFGFLAGRIYATGSVDGSLALLVHPLLAETLGSSKEEAQCVEEDLNDTRV
TLQFNAYAEIEEDEDDETTSKIVDDDEDEEEEEEDDDDEVEGVGNLLQLYLNAYGLEDHFADY
DGTNGKEIITEFMEDMVEASYDCEEMFPLYGHFAHDTSKHGGKSDTLQALGMFRYGMQV
SLKAWPKEGKIMADFLYIPPRSTEKETYAADEDDEEVSEETLLACVDSLARFFYPDDVIE
PSGVVGD SLNVGHVSQ L GPFESLSKHGKDPFRFRWWVDNKVRGMKPVDLNDADLLEQMGS
SDDWVNRVTSVQSPFQRIDIVDSEDDYETMPWLEYYSYSDSEKFSEYRAYMESHPLFRAD
RLLYLDGVVQSTLQGLAAYHEALVQPAMFTHPNPKRVAIVGGGECATLRETLKHNTVEKV
VMVEIDPVIVEVSKLYLPEWNCDSMFKGSSRYCMMDDPRVEMHHL DALKWFRDRFSDEARL
EGHELYGTEEFKFDVVILDALDPQNAVDFVEALYGDGAF LNSLYNSLTD TGVLLTQVGE SA
YIGDISETYPDNFNQYRAMYEKGLKNQGFKMVFHYEEPRAGFNGIWFSFYAAFKDDSSRAR
WQMNEAQLDLEIRKRAIQMVDDRDVEEGELKGPFDVFDGPTMATYRFPSKHAQVIYCLRD
PQPYGCTTNI EDHHSRRRPIWEPTGFDPEIPNFNADNFALVGSNGKGLVPRVTIPEKSYL
MLEQSIHDVVRVAPSTSSILERASAKSVLGTITIGPVARFVSGNANGLTMPRRRDIHSAYRV
DSGLLSFIKHGCNGNFNTETETHSFLTEDSADPDVVP THGLLRGLYSNTVMKEVVFNP SH
TRNTIRPEFLMSSRTINEGEEIFSNFVPPWYNKAGW

>comp5080_c0_seq2; 1014 278 2872 LEN=3537; translated
MVSALQSKQKENRCSNSSTEIYEDESTSSDGSTKCADSSNSDMTTEPPSRSTSGTKISFL
ATLVSILGVAVFGFLAGRIYATGSVDGSLALLVHPLLAETLGSSKEEAQCVEEDLNDTRV
TLQFNAYAEIEEDEDDETTSKIVDDDEDEEEEEEDDDDEVEGVGNLLQLYLNAYGLEDHFADY
DGTNGKEIITEFMEDMVEASYDCEEMFPLYGHFAHDTSKHGGKSDTLQALGMFRYGMQV
SLKAWPKEGKIMADFLYIPPRSTEKETYAADEDDEEVSEETLLACVDSLARFFYPDDVIE
PSGVVGD SLNVGHVSQ L GPFESLSKHGKDPFRFRWWVDNKVRGMKPVDLNDADLLEQMGS
SDDWVNRVTSVQSPFQRIDIVDSEDDYETMPWLEYYSYSDSEKFSEYRAYMESHPLFRAD
RLLYLDGVVQSTLQGLAAYHEALVQPAMFTHPNPKRVAIVGGGECATLRETLKHNTVEKV
VMVEIDPVIVEVSKLYLPEWNCDSMFKGSSRYCMMDDPRVEMHHL DALKWFRDRFSDEARL
EGHELYGTEEFKFDVVILDALDPQNAVDFVEALYGDGAF LNSLYNSLTD TGVLLTQVGE SA
YIGDISETYPDNFNQYRAMYEKGLKNQGFKMVFHYEEPRAGFNGIWFSFYAAFKDDSSRAR
WQMNEAQLDLEIRKRAIQMVDDRDVEEGELKGPFDVFDGPTMATYRFPSKHAQVIYCLRD
PQPYGCTTNI EDHHSRRRPIWEPTGFDPEIPNFNADNFALVGSNGKGLVPRVTIPEKSYL
MLEQSIHDVVRVAPSTSSILERASAKSVLGTITIGPVARFVSGNANGLTMPRRVRTKTIVFW
VIGFVFLSVLVLTFLVHAFRSQ

>comp5081_c0_seq1; 174 1 1113 LEN=1280; translated
XSVDHIETDWKVDANNITEYNKYESLRTSALSISAQFDNETTNIMKLAGLILLCCLLMQG
GHGYNIIRKNTVPTTKDTASSEKDTASATSRRNLLRSAAALSAGALLGIANAEIAVADDD
VDTPLYFGVGCWFHWHIQHEFVVQGEK GILGRGPHQFTSAAGYAGGKSTDKEGRVCYHNFSG
VADYGKLGHEVVG MNI PQSKIGDFSELYFSLYNPKTKXYVGLQFREL LCVRFNFRAAH
PTIIGFCIKTKCIFVISIIDRVDPMDRGAEYRSLIGLPGGMKHTSYPLVESAAEKAGFKL
VEGKGNPDPTLKGQIVVYVDSTKFPFYQGEVYHQYHNDFQSPAYGKEYNNLVEVALEDGR
IKGTGCPDRW

>comp5081_c0_seq2; 274 1 990 LEN=1157; translated
XSVDHIETDWKVDANNITEYNKYESLRTSALSISAQFDNETTNIMKLAGLILLCCLLMQG
GHGYNIIRKNTVPTTKDTASSEKDTASATSRRNLLRSAAALSAGALLGIANAEIAVADDD
VDTPLYFGVGCWFHWHIQHEFVVQGEK GILGRGPHQFTSAAGYAGGKSTDKEGRVCYHNFSG
VADYGKLGHEVVG MNI PQSKIGDFSELYFSLYNPKTKDRVDPMDRGAEYRSLIGLPGGM
KHTSYPLVESAAEKAGFKLVEGKGNPDPTLKGQIVVYVDSTKFPFYQGEVYHQYHNDFQSPAYGKEYNNLVEVALEDGR
IKGTGCPDRW

>comp5082_c0_seq1; 382 1 796 LEN=1438; translated
XTNMGKENSTTTNNNASLVSSSSSSNSKSLGKEGNPGQNDGLKPVAEKSNNGEGIVSLVS
SSSVRKEGRPDQONANPLKETRNEEGVASCSSKVSSLRKEGSPDQONTRATPEKKMAFEKEA
IAGDSVRVGGSDGNKSPGSRPSGEHQQQHQPKHFDGTNGLQQEQEQEQPDQKSDGSLE
TAADPEPTLGTTEEAVGETNGTSPGTS DNESRPQGGDRSGADADGSTIDNDDSDVVFVE
VVRPYGITTSFGHDLVVTKSEVDF

>comp5083_c0_seq1; 436 49 918 LEN=970; translated
MKFSTALTVLSLGGSTNAFVNNQFSSPPVTALDARKPFITGNWKLNPQTKAEAVDLARGI
ADSITEDSPADVGLFVPPFFLETVQDIVGDKLIVGAEMVTPEMKGAFTGGVSPAMLK SIG
TEWALAGHSERRVLNGESDEYINAQCKLLVENDMNVL CIGETLEEFKSLVDACEVQL
KKGLEGISADQMSAVTIAIYEPVWAIGTGKVKATPEIAQSVHKSIRQILDKMYGSDVAESTR

I LYGGSVSPDSVDGLLAQPDIDGGLVGGASLDATSFGRIN FESADVMA
>comp5084_c0_seq1; 1000 369 2804 LEN=3449; translated
MSSSARVSTNQSVSPAPIATATTTTASTFDTTTTKKKFKGNLNKLTAPPVAPVAQGNTKTN
SSSSKNGFLLLSTKRPSSAAGTGSGGILSSKSAQNSGKPIPSLGLHTEFSSSTHDALMG
VVVGASRL ENHQQPDAWGVAEKQQQEQQVQKEISVTAASTETNRNNPDTKTREQVHKNSI
EEKSAFEVKQKERPPKSEADQRNVDGNQGGYRTSNWDEYGGDRMQTGGGKDSNESSKRKE
TTDDQAAIMTKLARQRAEQKRNEEENRMMEQKERAARLRELETKMALKKKEDLASKKTA
RNAKGS DGVNNDLESRSR SRIVLEK LKQKESGTSPASTTPARTQRALYDPNTPSKSYSSL
VAGSSMKQDRNLKNPEPNTKHLSSSITSSKKNVQLQQGI STYAADPE SFD RKPVIQLA
SYEDRDRGDRNASAAPRMLFDPKSGSMIEVTSRDEGAANARNRKAGKKNKNSRDKQSKKD
LAVDNGGNADSKGRRKVKGNKESSINQRGKGMAGES SSKKDIISKPKKLNISDPKRLP
RTCGVLYARDKKGGFVCS DGEGLGYGVHVP GGRVKNAEAYS NYVNTQKQMKQGTMLN
YDGINHDELVLETGFRI SEAKEPKHEWIKPNEKIELITGDEDSPTLQATAREWAPHTTTF
TLSEHGKMARSSTGSFEDEDDEEEDVDDDEVAPLGLGFDPALNMDSVMQSPSIDPSDGLG
AVDLTTLSLEPALQGVAKNSHIFAFESGATWGASNSEGNNDWGMHSGSAYGNGQANNNGG
VSTSFLSLS TANTWGGFGSPLNGDNSKQS GE
>comp5085_c0_seq1; 226 37 474 LEN=593; translated
MKAITV VLLLLFVSAQEILGFVRPVSRS AASRPLSADQSTTDSIEFDGGYVGT PFEHPSS
LAGIATGILGFV GKAI AEADEYEIAELPPVWVPAIFGVLLIGVGLT TSLGNVMDEEASL
GMQSGARAKKEIERSR SSSYFGKRPK
>comp5086_c0_seq1; 270 1 940 LEN=1045; translated
XWLPLNFQSLVLFVAPVRNPNCFDPTITNVTFLLPSEM KIAHSLFRRLAASSRPAAAVQT
TLSPFRGAMGSAASSAASAFFCSGTPVDMPLSAISNHPSAGSR SFSSKSNLLEILSREEQ
EEIETGNTEMPPELSDLKATIEKSWKIVEDGATTNFFRIESSSNKIQVSFHCQDTLEVE
EPEYDDSMEEDESDEEED EASAPVRFTVTVTKAGKSLNFACFSEYGQVKVEGVSTTSYSTA
EYVHENQGTLPKHEYQGPDFTELAEDLQEGLAEYLDEECGVDSDMAAFIAMFADYREELQ
YVDFLKQAQSIVS
>comp5087_c0_seq1; 563 233 1495 LEN=1605; translated
MDVELGGIGRSESKAYPRNHGSFFAKIQLYMRQHTLATVATVGF LGFLLIVSSDQLNDSG
IGLRTSSSMGSAFSGSLHGGYFSVADSKIGENQFRFAAVTDLDQLSFIKDAKKPSYRSL
LLPGTITYHKNSRKYTMVMEDDATR TLVTKHNEGGRGAEFSELT VFDNRLLTFFDRTGEV
FEIMNTKDGKDSFVAPRYVITEGEGD TDGGMKWEWSTIKDGLLYIGSMGKEYTRPDGSIE
NVNNLWVTIMDNHGEFRINWTDNYNFVRKVLGCPSPGYVIHEAIRWSPHMRKWVFMRR
ISKDVYDDVVDEKRGSNKVVIVDEQFRNAEVVEVKMADKDGLHGFSSFAFVPGTNRHAI
ALRSVEEDCAINLDDCKQRSYIVIFDVVTGDVLMDEVKIKEDMKFEGIEFVNMYTKPHLS
>comp5088_c0_seq1; 158 219 493 LEN=493; translated
MVL LLLNKKTLVVLTA ILSVLVTSASANTEVEYD GQKNVGSKLLRSGNEGNERGEHRELN
LANMLNQINSVIDSTPAPQPEKKS KA AKA EKX
>comp5089_c0_seq1; 188 451 1077 LEN=1246; translated
MIDPEYPGTAVERMLAVRARV TSLTTEELSGPWDEVRRKILWAGGLRDLPNARPGQYTG
HSFNDYNHVDLTCMRDDVSDNENDGSVKMIAIGNQLGPGIRQASLPELGGSSWSTCAIG
CNQDPPQDVAHIQFRSRIAFKLVWCPTETFDTFVLVDDD GKKLAQGT PPSGLPSLRERQV
NYKISAGSKYAIVADQIAKGLSTSTETM
>comp5090_c0_seq1; 1148 136 4261 LEN=4499; translated
MNSDASIKSNKNSNNQNNKKNHSR DGIHAKLSAYPTVDSSDVGSNVNPD TTGGNIAESR
RSNTRFRSNSVFESNTRSSDVKIMSRQRQEPMAIPKSYD GARSSPFI FRDGIQPAPQLNR
VHSSTIPGMSSISYCGYLYKRSNKPQRTVDALQQEQRDHYGHMHRPIHEVYSASGVPEFP
VMPEISLNSGNDT SVDHTNSERIALDHDQDGKISAFNVHSLPARNDSITGLAQSLQPLMH
QQQQQCTLSPPRDESKKTI AKNP IQIGLEMGAFFGIDLKDSNHKGDGDDNHSEEIDFDPI
SPPTEQTIGTMPGTDNTEARVGFPKTTTTVP I KFRPSNSRNVPGEI PSARQPIPMITNEK
SSSSTSPFHESLHRLCSESSQPLSDV SITNGNDGIPHDFVDPEDGHLWRAYCYVLEDGIL
YFYRNAHDGNHAEAAAERRKNTSTLLGANINQ TNDSTFSTSYSDLIGNDGNIRANRNSNK
KQRPLTSDTTT SRGQLISGISALKISVPSAATTSRRRSSAHDL SKSPMVRPGRNLLHHID
PSGFSLPDIDPDIDNRIYWEKRVVMDCVRGVRTAERQYGLNSFELLAMDEDSDEDSSID
TLVLKQNPTEMKEWIFQFHRTLATFMRNFIDNVGSTSTRTS GTFENRRPSSDMLSSSL
SASDLKEERGALPQSLSEKHLTRLISTSPSLNQT VLSHGHRISLKRMDLKRSSSGSAS
LSSTPDAGMDYSTIPFAITDPSPGNIRTPSSPTTSRH LIPPPTQRPF LNKA FMSTDSK
NSRDPDL PPTKSSVPDPDIYRPKQSSNTNKYVPPHQRSKSKYLPPHLRRQQNQSQGSFM
GSSSALNNGQNSQKQEEIIPSTETVSPPTQDKLDIVNQSTTG FVLGGCADPLLLKGSIL
DAAIIPKASRLEKTI SEAYGSFGGGFSKEKKASNSSLRWEVGAISECGVRESNEDSYIL

TNDLLNAFDSASYGSEAQTAWKEDDTHDSVGLFGIFDGHCGNQGARFAVEQLGRFIHSEL
QNEIRNIDENPFSPSNMESVLHEAIVKMDDEFCKLCQQGGREWESGATALVALLANENLV
IASLGDRCRFFCRFVENNESYESDGGWEELEIGADDFSSSVEKGESESEPLQRCFWREVT
TVHSPSAEQERARIEQANGWITTEIPIGQFGRMDFHDEDVIGILKRCMRYPSSTGESF
TDSERSTKECKAAPQRIIHSRVCGELAVSRALGDRDFKAGFNSSSTQRNDDIDKLGRT
FDHTSAWESPLWLTFPENHDCRFRGDLVINTPDFHRVRLGKEGVSMEFLLLACDGLWDVM
DGDDAIRVVRDLLYRKNVTAKKAAARLAELAIHLGSSDNITVVLRVLFNRNDIE
>comp5091_c0_seq1; 254 1 1103 LEN=1230; translated
XNQTFRTSDVRCALLLFFFLSSSVQGRQWQSIVNHDIVDKSNIDSSRYELAIEIAPLFNP
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YELHMNDQWGDGWDGTTITIEGISDLDPMAADLPTASMTNTNTNAEGETVVSITQTVDFD
TFDSNKQTDPLGKIFEGTSLSQGYHDFANICLLPNRCYRVVTSGGDFLGEVSWDIRLGASS
EPIILSGRAPTGCTFSIPDEHGHFCENTCSDTMPASGAANPSELTDHPQLNEDAAGAE
TEFIQAPAGTEEPTAAPETVFMKSGTLDGVSASVTPVTQSMLSGGTSAATRNTLKNFQSL
NAEDSSN
>comp5092_c0_seq1; 668 331 2232 LEN=2509; translated
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RVELQELVPGNSMDERRLGTYKHFVHGASLIEECFPQYVAMRELEDKVQLISDSTRDIDR
EDVLDKTRQELFRNYKKQVTRFCVDMASLDFYEIMLKCVFELNPPPEHEESGDEELTIFLR
PFVRNTGTNGSKNRGSGASLFRSKKGFEPHAKVINPVKIDAEETETIASVTILALDELG
FNLKKGHDVEILDQLRVRYNNDNNVKNPKTSTLKDLDNIENGDLVLTIEQALVPIQVRR
SEGEAVFVELMIDPHTPLKELKATLDSEKNRHEGMERVSADQIILLDGTTELTEDEKTCF
DCGIASGSIVDLKSLAKIALAEAMKEQIDKILIVDTKYGTMTFGVGRQEAIQKAVVTPKT
VRVDFLEATNSDIDKNHMLQSMSSPNLNVKPKQIVIAKLIKIEDYEIEDAAVHNLWGV
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>comp5093_c0_seq1; 275 205 1020 LEN=1261; translated
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SQYGLAASQLVIRKAGIHLTCCIDTVAASGGYMMASVADTICAAFFAVVGSIGVVTHIP
NFQRFVNEHKVDAYLMTAGEHKRTIDVIGEVTEEGKAKMTEQLDDIHMAFKDHSVSLAR
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>comp5093_c0_seq2; 464 187 1767 LEN=2008; translated
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FGGILVLFVKYRSDPLLLVGSVLLVIAAGSCLCGCTAICIGTTADDLIDAKGTNGSKAD
PHFHEVQVFRRLNDRFQKGCMAEDGLLDVRLDVVGHMKEVKEALNKEAKEKEKEKKN
REELERRVKHDLKAGMSVQDIRREYRPMFYFVFDGDMVSDLELLRKQVSLVNLAKPG
HRCVVSITSPGGAVSQYGLAASQLVIRKAGIHLTCCIDTVAASGGYMMASVADTICAA
FFAVVGSIGVVTHIPNFQRFVNEHKVDAYLMTAGEHKRTIDVIGEVTEEGKAKMTEQLDD
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>comp5095_c0_seq1; 420 508 1641 LEN=1881; translated
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AAQGYWQQMSGDASGGTTTKPSIFLFGAAYSGLDIGTMATKANLEYLQGHRLRIVDPLYG
WLRPMDEVEAYRLEMATKGVFAKSKTKGIDPKVKLEDYWKAPIRSCIEEERQADANAT
TNPAVIIVNLASDEYSAAVDVPAGRIVKVVFKHGGRTIAVHAKRARGLMVRFMAMNAVES
LDELLEGFDFLEGTFRPGESTYKGDHENFNLALGSRQPKQEKEESASLAKKQKTKKAR
EQPLTLVDFDRPGTWKRS
>comp5096_c0_seq1; 413 257 1288 LEN=1623; translated
MTSLFTVVVLFALLPASNGFVVLKPSRSLVSTRTSSIHQKAYAPAIFLSASASSAAETQ
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TVLEQFPDHDHDFLGEEDVDPGAEASAAIDNKLSDGDKSDWLWIVDPIDGTTNFVHGMPLN
MPSIAAAYKGEVVVGVYDPRDEIFCATRGGGSTLNGEPIKVGEQNELGDVAVVAMGSP
GEE SMKMSLLGAQTLMPKVRTIRMLGSAAIMLAWIANGRLTAYWEYDLSSWDVAAGALII
QEAGNFDTLAGDPFSLRTRKTVASNGKIHHEELAALNEAGVV
>comp5098_c0_seq1; 655 73 1899 LEN=1963; translated
MRIIVAATTFFTCELAGLGHAFANLSTPRSFIGGTADTTSPRPGGFVSAVHGAPTPLK

AASNGEETFDDSCDVLVLGSGPAGCAIASVLGASGNLDVVVANKDFDADWVVPNYGVWKDE
WQTILDRYGSVIGIDLNDGEVNGVIDREWVPTDCFFGGSYDIP TENRMRLDRPYCRVDRFA
LKKSLTKNFRVVKANHISEAIGINMFS PAGSLVHDEEDGTTIKLQPQDADASPLTMRKIV
IDTTGHETKITLKDSEIESTPPGFQIAYGALVEVDESQSPNLSMVGPYDKEAMTLFDYRT
DHFDFGDEYTSIKATKAPTFFMYAMPLEGNKIFFEETSLVARPAVSFQECKDRCFTRLEHLG
IKVANVEEECYIIPMGGALPARDQRILAFGGAAAMVHPSTGYHLCRALMGATDAAEAIE
EELASETPNLDRAVASAYNALWSRENIRQRNFANFGGEFLMKQDVVGLRGFFDGFKLP
ELWGGFLAGWPGLANNEYHESWAKRIWFGLNFIVKLPVPVALDMASSIATYSIFNEGWSL
IQSVTPFLDPPPSYEQNNYRNGDIAAKREAVQMIRETKAFAEMPTVAIIASSSSELN
CNEPVEQT

>comp5099_c0_seq1; 848 313 2652 LEN=2945; translated
MSEKTEIEFGSDNVCQKRNCLRNCRQPLVIETPFGVTLRGKQQLRAAVQALAFGALILG
CSAYHAYSTAFSEDDFSFDSDELMLRLQDASNATNLDQSI PGESLVACDDLKADSWWM
TVFYIIGILYMFLALAIICDEFFVPAL EELSGPRRLNMSMDVAGATLMAAGGSAP ELATS
IIGTFRQSEIGFGTIVGSAVFNILFVIGMCSLLAKDVLTLTWVPLFRDRTTYTTLGLVLA
VFTGFHTKNNIQLWESCVLFGMYLGYCLLMWQNKKNLYKAITGKVLVYPDEDEDGDDGRT
ASNGSGGSDQNGNTDNKDKKEEGADEKDVKSAGGMRS SLQKQSSKSSVHVSASHISQA
SFRGSDKSTASHPHFLWQGTFRAGILKLLKDADSWADTAGAGMVSKIMGDADYVFEQVVK
DNGEIDREELRQLFDLLECYATHEEMEEVFVQLDANKDGVISRKEFT EWYFRSEERMLS
QVRHVFDQIDVDKSNTLDKDELKTLLSTLDPHVSDTDVQSALSEMYKHGSPDEITFDEF
EWYKQSIMYEHQLQKIEENMVGVCNLYPPKDGWARDWAYIICLPLVFLLTFTVDPVQR
PGYEKWCYASFFLSIAWIGGFSYFMVDWAEIVGNFTFGIPDELMGLTVLAAGTSVPDLLSS
VIVARRGQGDMAVSSSVGSNIFDILVGLPLPWILYSAANKGTPVVVSQEI VDVKNCCRSL
LLFLSASTIKPSQFLTNLFI SLTDWLGRTCGIIAYFGRHDC LGDYFYSLSRVEVDEGVRW

>comp5099_c0_seq2; 757 313 2770 LEN=3063; translated
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CSAYHAYSTAFSEDDFSFDSDELMLRLQDASNATNLDQSI PGESLVACDDLKADSWWM
TVFYIIGILYMFLALAIICDEFFVPAL EELSGPRRLNMSMDVAGATLMAAGGSAP ELATS
IIGTFRQSEIGFGTIVGSAVFNILFVIGMCSLLAKDVLTLTWVPLFRDRTTYTTLGLVLA
VFTGFHTKNNIQLWESCVLFGMYLGYCLLMWQNKKNLYKAITGKVLVYPDEDEDGDDGRT
ASNGSGGSDQNGNTDNKDKKEEGADEKDVKSAGGMRS SLQKQSSKSSVHVSASHISQA
SFRGSDKSTASHPHFLWQGTFRAGILKLLKDADSWADTAGAGMVSKIMGDADYVFEQVVK
DNGEIDREELRQLFDLLECYATHEEMEEVFVQLDANKDGVXEFISAVIRVYPACASVIA
SFFIVHLSTLTFTFTFFRGCXISRKEFT EWYFRSEERMLSQVRHVFDQIDVDKSNTLDK
ELKTLLSTLDPHVSDTDVQSALSEMYKHGSPDEITFDEFSEWYKQSIMYEHQLQKIEENM
VGVCNLYPPKDGWARDWAYIICLPLVFLLTFTVDPVQRPGYEKWCYASFFLSIAWIGG
FSYFMVDWAEIVGNFTFGIPDELMGLTVLAAGTSVPDLLSSVIVARRGQGDMAVSSSVGSN
IFDILVGLPLPWILYSAANKGTPVVVSQEI VDVKNCCRSLLLFLSASTIKPSQFLTNLFI
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>comp5099_c0_seq3; 793 313 2734 LEN=2948; translated
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CSAYHAYSTAFSEDDFSFDSDELMLRLQDASNATNLDQSI PGESLVACDDLKADSWWM
TVFYIIGILYMFLALAIICDEFFVPAL EELSGPRRLNMSMDVAGATLMAAGGSAP ELATS
IIGTFRQSEIGFGTIVGSAVFNILFVIGMCSLLAKDVLTLTWVPLFRDRTTYTTLGLVLA
VFTGFHTKNNIQLWESCVLFGMYLGYCLLMWQNKKNLYKAITGKVLVYPDEDEDGDDGRT
ASNGSGGSDQNGNTDNKDKKEEGADEKDVKSAGGMRS SLQKQSSKSSVHVSASHISQA
SFRGSDKSTASHPHFLWQGTFRAGILKLLKDADSWADTAGAGMVSKIMGDADYVFEQVVK
DNGEIDREELRQLFDLLECYATHEEMEEVFVQLDANKDGVXEFISAVIRVYPACASVIA
SFFIVHLSTLTFTFTFFRGCXISRKEFT EWYFRSEERMLSQVRHVFDQIDVDKSNTLDK
ELKTLLSTLDPHVSDTDVQSALSEMYKHGSPDEITFDEFSEWYKQSIMYEHQLQKIEENM
VGVCNLYPPKDGWARDWAYIICLPLVFLLTFTVDPVQRPGYEKWCYASFFLSIAWIGG
FSYFMVDWAEIVGNFTFGIPDELMGLTVLAAGTSVPDLLSSVIVARRGQGDMAVSSSVGSN
IFDILVGLPLPWILYSAANKGTPVVISDGLVSSLILVGMIVLVIISIHCQGWKLT KVL
GGIMFLLYIVFLVQAAVLGLPFVEVCVE

>comp5099_c0_seq4; 884 313 2616 LEN=2830; translated
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TVFYIIGILYMFLALAIICDEFFVPAL EELSGPRRLNMSMDVAGATLMAAGGSAP ELATS
IIGTFRQSEIGFGTIVGSAVFNILFVIGMCSLLAKDVLTLTWVPLFRDRTTYTTLGLVLA
VFTGFHTKNNIQLWESCVLFGMYLGYCLLMWQNKKNLYKAITGKVLVYPDEDEDGDDGRT

ASNGSGGSDQNGNTDNKDKKEEGADEEKDVKSAGGMRSSLQKQSSKSSVHSHVASHISQA
SFRGSDKSTASHPHFLWQGTFRAGILKLLKADSWADTAGAGMVSKIMGDADYVFEQVDK
DNGEIDREELRQLFDLLECYATHEEMEEVFVQLDANKDGVISRKEFTWEYFRSEERMLS
QVRHVFDQIDVDKSNLTKDELKTLSTLDPHVSDTDVQSALSEMYKHGSPDEITFDEFS
EWYKQSIMYEHQLQKIEENMVGVCNLYPPKDGWARDWAYIICLPLVFLLTFTVPDVQR
PGYEKWCYASFFLSIAWIGGFSYFMVDWAEIVGNTFGIPDELMGLTVLAAGTSVPDLLSS
VIVARRGQGDMAVSSSVGSNIFDILVGLPLPWILYSAANKGTPVIVIGSDGLVVSLILVIG
MIVLVIISIHCGWKLTKVLGGIMFLLYIVFLVQAAVLGLPFVVCVE
>comp5100_c0_seq1; 241 35 478 LEN=542; translated
MDAAKVAELRKRQFRKFTYRGIELDQLDLTNDLMDLVCARPRRRMSRGLKRKPMALI
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EFAITYKPVHRGPRGVSAAHQTRFIPL
>comp5101_c0_seq1; 188 411 875 LEN=1352; translated
MLAVRRRRRGSSRKVESADESSEEGDAGSTLQLMHAPVTDVPEFSEAAASRLCKIERSV
EPMKTRNETFITKRSDEIGEMFTIDLGPQLGIFQIETSTDEQVFEYSSPISGKLLYCLS
SATGEWINMEDGHQFEGILVRDLLRSNCIGLPDL
>comp5102_c0_seq1; 631 96 1928 LEN=2128; translated
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PWWWDMVWKLDMMKTGEDGEDIIFGDSANVLRNIEQIYGGYPSLDGCPLAEGALDDIAD
GTMFIFGLQRYKYNYGSPYKLCFGPKSFLVISDPIQARHLLRDGNKSYDKGMLGELLEPI
GKGLIPADPQTWATRRPQIVPAFHRKWLEYMIGQFGYCNTPLESNLKADTTGKVEEMEE
KFCSVALDIIGKSVFNIEFGSVTKESPVIKAVYSALVEVEHRSMTTPAPYWDLPFANQLVP
RLRKFNGDLELLNVLDELIAKAKETRSEADIEQLENRNYAEAKDPSMLRFLVDMRGADI
DNKQLRDDLMTMLVAGHETTAAVLTWSLFEVSKNPEIKAKLLEEIDRVVGDHRPTYEDIK
EMKYTRLVISESLRMYQPPLLIRRCRAENTMPKGAGREARVIRGMDIFLPLYNHRDER
FWPNPDTFDPERFTRPYKNPDVDPDWKGFDPVKWSKMLYPNEIASDYAFMPFGAGSRKCVG
DEFVMEAVVTLAMTLRRFEFDFDEDKLVGKDDIHDEPSGLNHPVGMRTGATIHTRNGLH
MNIRRRQHSQ
>comp5102_c0_seq2; 540 96 2075 LEN=2275; translated
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GTMFIFGLQRYKYNYGSPYKLCFGPKSFLVISDPIQARHLLRDGNKSYDKVSDSMLFFLIQ
EYGFSEFDSVLESSSVSGCQYSSLTEIVYMCRLYVSINXGMLGELLEPIMGKGLIPADPQT
WATRRPQIVPAFHRKWLEYMIGQFGYCNTPLESNLKADTTGKVEEMEEKFCSVALDIIG
KSVFNIEFGSVTKESPVIKAVYSALVEVEHRSMTTPAPYWDLPFANQLVPRLRKFNGDLEL
LNNVLDELIAKAKETRSEADIEQLENRNYAEAKDPSMLRFLVDMRGADIDNKQLRDDLMT
MLVAGHETTAAVLTWSLFEVSKNPEIKAKLLEEIDRVVGDHRPTYEDIKEMKYTRLVISE
SLRMYQPPLLIRRCRAENTMPKGAGREARVIRGMDIFLPLYNHRDERFWPNPDTFDP
RFRTRPYKNPDVDPDWKGFDPVKWSKMLYPNEIASDYAFMPFGAGSRKCVGDEFVMEAVV
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>comp5104_c1_seq1; 555 219 1469 LEN=1597; translated
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RTGLIHKNQHRSLVDCFNIFAEIGKVVIDLEAIERITREALEDFAKESVAYLELRSTPKR
LLPARQWCDETFSLASVAIEDLATKRQYCERVINTIINFQNEEEERYRKELETSNSLKDL
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DCFQKARQSGLLSVTLHCAEVPCTDDDQGSAAAYEDALSILKFGPDRVGHALILPPSLQQI
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>comp5105_c0_seq1; 802 103 1707 LEN=1707; translated
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VERLIEDDESETEEDSDAKKEQRASNVSKMVQKAVVDELVGLLEPSRKPYPGMKRGKPNV
ILFVGLQGAGKTTTTIAKFANYQRRGWKTAMVCADTFRAGAFDQLKQONATKLRVPPFYGSY
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TQGQAVFDQAQAFSNAVDVGSVVIITKLDGHAKGGGALSAVAATESPIIFLGSGEHFDDLE
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LNKMMGMVPGMPEYLPVPGGSDSNRNLKFLYMMDSMTDKELDGVDFSDHEEPQTMRSR
IRRIAAGSGNHKPEVQMLLQVHKQFEGMVSKMGKSGMVGKQAQAQQALAAQMRNPNFI
NQRLNQMDPKLLEQMGGREQVKSHMENMARGGGGMPGMGMPGMGGMPGMGGIPG
>comp5106_c0_seq1; 917 85 2631 LEN=2711; translated
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QVDHLVPSKPASSSSPVRSQQQLPSIRPPLPTGTDRVEHQKSRKFAVFLRIRPLQIYK
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FAYAKEFHFDVRMGPKISQKDVYFAAAAPIIHDLNLRGRDKRTELSRVRESALLFSYGIT
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GISLVKEAYNKRHTSCNNLNMDSSSRSHFVCQMEIVPLRQQSTPFVPRDFSTETDGGKKAS
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KKLSPKALEKIVVKNVTVKEERIVSSRSYDHAKIEALKNVQIAEERVYALKNKNTQLQ
VELESKEDQIRAEVAMEMEARLRETRTKQKEKYDHLRSVMQNQMSKNDVLSISRAGNQI
EELLDKIDECEQEMLRMSKEHRQEVICLNAQIDDLNRTKEILAKEKVEHTIEISNLKQAL
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RVLQMSIN

>comp5107_c0_seq1; 337 43 1033 LEN=1471; translated
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YQVGDITKEIDNRVKSEIASMRGNDEYQLGDLIVXDRWDGKWNKGWVSRIDFLSVTRIF
SRQVRDLVLISSVSLAKDMTEEMTGKPYEAGDLSKEIDSRVKGTVASFCGKDEYEFGDL
TQEIDRRVKDRVSDYIGKDEYEFGDITREVEKRRREWVKGYLGEDAANKYKFGDLTMQAL
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>comp5107_c0_seq3; 435 43 921 LEN=1359; translated
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YQVGDITKEIDNRVKSEIASMRGNDEYQLGDLIVVIDGMAKDMTEEMTGKPYEAGDLSKE
IDSRVKGTVASFCGKDEYEFGDLTQEIDRRVKDRVSDYIGKDEYEFGDITREVEKRRREW
VKGYLGEDAANKYKFGDLTMQALKNISGDDDYQFGDLTKKFVGNIFGKKKLLK

>comp5108_c0_seq1; 486 128 1912 LEN=1989; translated
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WKDITYVRMFHDKNHRNNNSDNSSKNETETDGASAYRPHRPMRPNVYSDDIYRSHLCRS
FAIPPAWLKSDASTEGTQQHWHREVDNIAVDLNAETFFANYEKNQPVVVSAGAANGSA
VEKWKEWDYLTSKNTKDSYRSTSGAAPLPGNFSLEAYRDYTVSTRYLEESPLYLFDRTAF
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PNATHAWNACIRGRKRWIFYPGQPPPGVFPADGDEVALPLSVGEWIIQYWKHEHTEQYR
KRPVDQRPMECTTHPGDVVFPVPHGWVSVVNLDDSNIAITHNYVSPSNLGNALKFFVEKQ
DQISGCRDRKESIKPEYIHGELVKALAIKEPDHLNRAMKQTGWTCRAWEETPKSDETVIT
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>comp5109_c0_seq1; 325 173 1783 LEN=1930; translated
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SNHHYNGDYNGDYDDERNKGGKSSSTVEKLDFFMFPKVAEEFTVKTQGGMATLFAYALIL
ILVTTEIFTWREQNRLTSTAVVDTSLGKKMRVNMNITFPSLCCDDLHLDSIDVAGDSQI
NVEDTLVKKRLLHMNGKLFSSQEEIKAEELNMHHQEQRLKLEILKSKLPADYCGPCYGAHERE
DQCCDTCDDVIEAYKNKKWKTDLQYTSEQCVREGRDNEAPKMTKGQGCNLSGYMTLNR
VAGNFHIAMGEGIERDGRHIHTYNPEDSINFNASHIIHHLISFGVEDGHEPLNGATKIVTT
DTGSTGLFQYFIKIVPTTYVGHGVNFPEFDQNLPSLFEEAEFFASSDHRKIETNRYFFTE
RFRPLMTELLDDEDYMDDDSGKAAADTGYTGGHHNKKHHSKQNSVLPGVFFIYEIYPFAM
EIKQNEVPFTHLLIRLMATIGGVFTLARWIDSVLSERMSGNTRGDMRTPTRFSVNT

>comp5110_c0_seq2; 376 40 1057 LEN=1057; translated
MAVTRRRSRRGGKNEEELEAIPQKAKPDQTSVVPVEEGDQENDEAEERNTDSSDAGEDN
GNDDDDADNDSNDNDGENTNDSDSHDGSGTGTRGAIPTPAAPGQRAGTPGGNGPAKQK
KNALTHLVPGYTARMKLDSSSLDRYRCGIGELGRRAEKGDASTRGFVREATASKAGSAMS
SRRGGFLPSSYEASYSHFKKGTRAAPDTSAGRGWFGMKPAAMTEELRTDLAIIRNRTYLD
PKRFYKSSDKHHSVQVGTVEGASEFYSSRLAKKDRRANLTELMAAATAASYAKDRFR
KMAREKAYQAXAAENQAQEEVPQVLLGGGAARLGAEVGGG

>comp5111_c0_seq1; 418 214 1200 LEN=2511; translated
MATEGFVPDADTADLQREEVQALEAIFEDAFELRSIRKQDDEDGMDTFDFPIVYCIKLN
MDTADDDGSGNSGYDGTKNWPTRPLTVEVRYPKNYLSDEDGDDENTARGATATDPTFRLL
HENSVELEFPSSVSEGLLAVLAETAESERGMPCVLSCLYAARDYLDRDREWDDRSNQPARN
EGNDLDGAFKNCSIDAISHDNQTTHTNDSCHYACLSTHLLLDHKPDNLLKTGFKCRRLR

GFYKFGTPGIAIAWGDQIEDFLDVLKQAMPQKKFDLVFCRTWENIQEIPNVWESVDP
TLKQELDKLGLPEEDYYTALGLEKRGK

>comp5112_c0_seq1; 981 137 3397 LEN=3724; translated
MPKTTSSCGVLLWLTLLAGCLPTTALSVDQSKFRTCEQTSFCRRHRHQHSASLYQYRIDP
DSVHFHIPSENKHGSDGPKHQSERDADQTMNDVEKPDVDTDTDNGLLKSLTERIFGKSPH
EDDANQNKKDPYVRGPPPTLTGTMTVNTATETSSGKKEYLNFVHCISDGMVRMRITVYR
NRNDDDHGKTPHDKARTTYDELVLTTENMEPAEHVNWVRPGEDYLVELLGSQDEANRYMG
LRYGDHPTTKEKSGMLFLMRLDSFATYLYRESDLQQGPVIAMGDKHMTHEIRRKNVVD
GPDNGNLDDMVAEESGDAEQPEKEIVGYWEDGLAIYADGTREERKEQKEATDHRQLSEL
ELDKEGMWEENFGPHTDSKPHGPMVSGSDITFPGSKFLYGLPEHASSTALKQTTGNKAEY
KNPYRLYNLDVFEYDLVPMPLYGAVPLIVSQAKTGTSGVFWFNPTETFVDINDESGS
KTSHWMESEGIIDVFFIPGPTPKDLRYQYAKLTGFTPLPPIFGLGYHQCRWNYKDEQDVY
QVHDKFEELDYPYDVLWLDIEHTDGKRYFTWDNHLFPHPKPMQEKLWSQGRMVTIVDPH
VKRDNGYYIHKEATSKGLYIKDKDGKNDFDGWCWPGSSSYLDFTEKARSWWADQFSYDR
YHGSTPSLYTWNMNEPSVFNPEVTMOKDLLNLNGDEHREWHNIYGMFLQORSTMEGLIR
RNKEENTRPFVLSRSFFAGSQYGSIWTDGNAAQWVSHLEIAAPMLLSLNVAALSFGADV
GGFFGNTDAELMTRWMQAGAYQPFFRGHAHDAKRREPWLFGDETMMLRKAAMARYALL
PFWYTLFHEASVTGMPVMRTMWMNYPHIESLYAIDDQYLIGSDLLVVKPVTAPHVTEI
IFPGDDIWYDAESLVMVSKQGMQGAQVEIKVPSDINTVPVFORGGSVIPRKLRLRRSTHTM
TRDPYTLVALDKDGRASGLYMDENTFNYSKNEFASANILVEINGSRGRIRNAPT
VGDWKGTSSESNKMIERIVVMGVETHPSSVDEVEGSELGFTHDSNAHVLVIRKPELSALVDW
EVNITF

>comp5112_c0_seq2; 671 137 2092 LEN=2327; translated
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EDDANQNKKDPYVRGPPPTLTGTMTVNTATETSSGKKEYLNFVHCISDGMVRMRITVYR
NRNDDDHGKTPHDKARTTYDELVLTTENMEPAEHVNWVRPGEDYLVELLGSQDEANRYMG
LRYGDHPTTKEKSGMLFLMRLDSFATYLYRESDLQQGPVIAMGDKHMTHEIRRKNVVD
GPDNGNLDDMVAEESGDAEQPEKEIVGYWEDGLAIYADGTREERKEQKEATDHRQLSEL
ELDKEGMWEENFGPHTDSKPHGPMVSGSDITFPGSKFLYGLPEHASSTALKQTTGNKAEY
KNPYRLYNLDVFEYDLVPMPLYGAVPLIVSQAKTGTSGVFWFNPTETFVDINDESGS
KTSHWMESEGIIDVFFIPGPTPKDLRYQYAKLTGFTPLPPIFGLGYHQCRWNYKDEQDVY
QVHDKFEELDYPYDVLWLDIEHTDGKRYFTWDNHLFPHPKPMQEKLWSQGRMVTIVDPH
VKRDNGYYIHKEATSKGLYIKDKDGKNDFDGWCWPGSSSYLDFTEKARSWW

>comp5113_c0_seq1; 241 1 1527 LEN=1785; translated
LSAPLSMPVYPGLVQGHVLCAGKEFPLTGRFNASAILTVEEKQADGLLSDEELFGSKEVY
LEALENSTSKGSFSMEKVAVFGGIFIAVFKTHPSIKNPWRDVSIRSIETVNYDIVDLSHP
MQGNRMDGNHHEGAIMDNIPYSRVFYHAFPGAIIITHRGRRYKIVSMTRPPAFGVGFRSTV
TLGAYAKPSAHRYCTRPLSNLKITVVKQTERVDLMDKVTTTKESDQTPDPSTIFADDFDP
SSGSFAGCGTITVKNRVHGYKISLVTRDELSSRAELSLPDMEDTYAFWIDCDATGLGKL
MTPQSFQYGVHALSHALCNVAPRFVPCVLNDVQCDHSFYSPTRVIFDSRAGGSGITAQL
WKSIFRPNGLVEAAIDLLESCPCVDDAGYTGCCPACIQAGECIKFNDFLCRSSGLIAR
HMLRRLEKTERYKLAMEEHAESDVEMVEDDRKKRKENRPFASPREKRRRAMRAAMDIDA
TKPRQLVIGRPSWPMDCDCSIPRQQQEG

>comp5114_c0_seq1; 382 99 548 LEN=1062; translated
MADEYTEEQIAEFKEAFSLFDKDGDTIDNDELGTVLRSLGLQPTEEVEEDMIREADKDG
NGTIDFMEFVEMMPSLERDDNAEEEMLEAFRVFDTDGNGSISAEELRQIFINLGEKLTDE
EISDMINEADKDGGEIDYKEFVSMMFSG

>comp5114_c0_seq2; 239 481 732 LEN=1246; translated
MEFVEMMPSLERDDNAEEEMLEAFRVFDTDGNGSISAEELRQIFINLGEKLTDEEISDMI
NEADKDGGEIDYKEFVSMMFSG

>comp5115_c0_seq2; 158 731 1714 LEN=2440; translated
MNSNESDDSNRGRGHGSRVRSIVVAKCPIPGKSKTRLIPLMGEEGSRMAKAMLSV
LKTIDGCAELDSVRKILLYAPGTDEGLKRMQTLVAELGLVTEAEPGCESTGGGKESWNL
LLAMASSPSDLKSHVLGKLEDALVRVRALDRQLRPPNGVVFVFLGMDAPILPLNDIVEGL
ERAAGETAAATLCPALDGGYAMLCVPGSADPARTFSSVCWVSHPMTGMSQIKALTD
RGIPTVVGKAVRDIIDEAGDVEELCRLQLQESRAPDSPPHGSDRRTKNLEEPGKWSS
RCTAGDNGVSSHPVCHYTRRALVEAGLVAEHETGGSLDE

>comp5116_c0_seq1; 252 71 814 LEN=1350; minus strand; translated
MIDKKKDNPGLYTVKKVFIACCQHSNTTGTKPVILFSSVSFLAQEIRTNLSPLTPPLSSIL

GSGATETLRTSLLPSAALSLSPAVPTFSPGRIIRLSFGSPPSTPSSLMPLNEGVPVIT
GPAERTVVGAVFPTLGGGDAALLAVSSFFSRYSTLASKASSLGIRDAIAVSEYFPS
TTSRLTFSPIALLGITIFFWVYSTSMKPKVRFSTSTSTTVSDVPSIAINPFGTTYLTIA
SANSSTW

>comp5116_c0_seq2; 469 138 1298 LEN=1493; translated
MTNFSFVFALAASLLSTTTTHAFAPKSTLVATTAATAATMNHQNSAQGMFTGIVEEMGTVV
KMEDRNDMTLWDGSIGSGTELTVRGSSVMDGAYLGCSCVSGVCLTATVLDQHGTFVTG
LAPETLDKTYFRSLQPGQAVNLERASEIGGRNSGHFVQGHVDGTGTIVDKRVDGDSLRIT
VQVDEEFADAIVRYVVPKGFIAIDGTSLTVVVDVENRTFGFMLVEYTOKKIVIPNKAIG
EKVNLEVDVLGKYSETAMASLMPRLEALEARVEYLEKKLLTASNAAAAASPPPVGNTATP
PTTVRSAGPVITEGTPSFKGGISDDGVLGGDPNDNRMMRPEGNVGTAGDSDNAADGNNEV
RRVSVAPDPKMDNNGGVSGDKFVRIS

>comp5117_c0_seq1; 514 116 890 LEN=890; translated
MADKWMHKLTEVAGEYQNDKGNAIQMAMKLAEMTDDLETDEQKKASKKAMLKQAEALTG
QVFGTQSKPEEQTAEDDDADYVPPKASKFNSGSSSTKKPAGKPSYLISKKEDEKQTES
SEGSSNDEDKQNNNEEDEEEYTPPKASKFQSSSKKNSGKPTYLISKKEDSESPESND
RDETAADQIEEEASSVEDDKAEFFYTPPKATKFQSSSKNNSGKPTYLIAKKKEDPEPLE
GSNNGEETAADRIDDALX

>comp5118_c0_seq1; 331 85 858 LEN=1078; translated
MAVQQLMKTFLLVLSLGLCQTADALASTRTSQKIFAVEDRITEDRRIQPFEASAGAEFSR
RTALRNFGVASAVLFGSSAGFTKPLPAVAADDSDAYLYKIVRVREATQQERRLITTKGF
KDQQRANVKLAVKFMVQNYRLSDSVVGASGYLTGGNALQMRADAGQGAQNLTILEYF
DSSDVENIKVGNMAGKEEIVVKGLEATQVKLDEFLLGFDDETVNVKVKAKVQEENELNV
KEFDRSLGDIINLAPPS

>comp5119_c0_seq1; 360 604 1741 LEN=1741; translated
MVNEIEYDPDNDYFAILGVSPVVTQAELEKRYKLVKLHPDKHPLGARKYFHVFPTRMQ
KAYDILKDHSEHMMYYHYRMRYTKMFFQSKSNGWSEYLCESWKHKHKIDTETKKIDAL
ISISEKWKQEEKRRDTRAQEEHHRKEHEROKEIQAEKRRQEEEAERQKRKREEQAKE
REKRATEDEAEDNAELKAEKAELEKVEQLEFEIWELEKQVKRAKEVENRESELRLLEK
DKAIQELNEALNDKMNELRNEFRKRTQTREEQHEREVQNKAFHETERETQKIDRKRVRD
SYRSWDNEMRSIVEGDGPPPAKAPKRPDFYNPALAGKRTARTVGSARKPEGFAPCTRTRN
GEPRNRDSVGLHNNANACE

>comp5120_c0_seq1; 257 1 861 LEN=1135; translated
GKSKKAKQPKPASSYSYEAVDGTGPNVLEASGWKELQDEHKAGVLSGTIDGSGGVFE
YAITGDESQIVTVAVPPGESCQGEPSMMYLTSPVSMKVSCGADWFGRCGGESCCVNF
NNHTGEVGYAALTTNQLAKVVPVLSLSSSEVGGTLIVQQGAYMASYGHVELSYDCDCNLV
RCCCGMGLVRQKITGSGTAFLLGATGTIVEKVLAEGEVMLMDTNCILAYAESCTFDLKK
GGIVNWIGGEGFFNSLKGPLVVAQSMNMCLLES LAEKMYRR

>comp5121_c0_seq1; 877 164 4378 LEN=4732; translated
MGKVVDVCVLSIASFLGNVGVALTGFMAI IYLFVYQIIVLAGYDGNLRYAVFIQALALF
SAQPLLLRKAIEITKHASWKILHYFIPITIIISTPLGQLTGDAISTDLIEIVAGFLVTFVAV
FEMYQKRKLFKFRFRKWCSSVGNNEEKKEPVDEENPKSRDTGEETSTNISRDTSQGNVLL
MNDHNGETNAENDASLLHTPEGGFFGQYNLGLKTLDNFSFVVKLGTKKKCTRKSFAIKII
DKSHLLDDEAEQLQEEITHLQQLNHPNIIYLQDLYDEPQKYFLVFDLMHGGDLLARLSGV
RFFSEAEARRIAKDVLGAVRYMHDHRIAHRDLKPENILLASGDADCEVKLADFGFSKKEV
RPNSFVTLCGTPGYVAPEILKGTPTYGCKVDMWSFGVICWVMLVGYQPFRGESEQEVQIAI
VRGKYDFDEEFWEDINDSPKEFITSLLVSDPETRLSSEEAQCNPWFSDYKCAERIVDET
TPVFFMVGSQRSNSNLRMTLNEREDLGGPHPPHIMREFMPIIDKFGDLSDDSFRIILLD
HVCTFVERNQVPWTDKHKGCINFLRPIVYKCALESCNRVKDARHSLRNETPICNGIYLLS
IFDAIMTYFTKVNKRLKLVCKSMGMSQYHDILLEFYGSKRLRYIYLVRDPRDVAMSFVKT
PVGDRCHWHAIIVTKWTKLQACALRIVKECEPELIYKLYHYEDILEDREEMKNLYDFIGERRF
GGVKRSTASVYMESEVENVALAKEGRESKLAHRLSSQFMNLSRGISFFASQFEKWRHPDT
GLQEDAIQILETVAHETMKTLGYEPHLVGVTTKPSVWNDADLAVFERLNQEGISKMNEDL
GRENPDLLARRIYQAAALAMVPVYKPEVWVETDASFDEIVSTGIQKILNEDELLKRRDIT
AEKCTTKSGLRFRWACGTQRGYYPDNHDKPNQDDWIAQTASTEEDVHWFVSYDGHGTQ
GHKCESEFARKEIPNEFQKRIATGQSFPLALEKAHVTVHNRLIANPQIETELSGTTAGTLM
LMDDQCIIVSNVGDSSFILGWEEESGHEPPKITAKTLCTPHTPNRADERSRIERAGGVMT
ADQRDGLAPMLRTRDRSDDDEPLRISWSESAKVPGCAFTRTIGDGMHKLGVVARPELF
EHSFNQNDRVVVLASDGVTEFMDQDTCVRIACAEACPSRAAEALIREASKRWKSNSDYMD
DITAIIVFLDPSKVAFREIDPLATAGETAGNNHLHHHGDGNLHLIVPTGSDSGDGSLEE

GPRAIGPWASFWTLLAGGFSGFLGGICGIRGPPVILYFLHPPYPVTFDKKSQRATGAVIT
ATNVAMRVAYYVETLVLETKESYFRESDLVLYLCVVVSSILGVLVGTGLFDMKDSRNN
IRLILSFFLLMCGISLLISSFHF
>comp5122_c0_seq1; 530 1 1536 LEN=1631; translated
QRNATQRNTTQRNTPDPRAPFLSQTAGHRSRGLPETAQKARRPAQNPMFSSSVLRSAPFR
RSTLLTVAISANAWVANNAFAISARRAIAPATRTTLAEAAPSFSSSAEFGANEGARHGA
CGRAFYPRDVYYDAEAKSKLEELRALRRDEIADGGGAASGGGNKTNTNSTTLGVLKESGG
KYSGLTTLIGYKGGPLESQINQDRAVVLSPFVVGNKKDTDGAGGSDNDSVNDNNSNKLI
GCFDGHARLGEVVS DYVVKELPKLLASKLDKI QPKSNYTDQVSQAITETTFVEMDR TAPAE
ISGGCTATIVLQKGSRLYVANAGDSRSFVVVYRAKAKTAEVVYISREDKPSLPDERERVE
KAGGK VLLPPTGTSRVLYTDPESGLTSGLAMRSRIGDWEVGFVGPDIIDTIDIDEVV
EQHS GGSEDDVCIFAVSATDGCMDYTNPEGVAAVLARSMYEDESPHLLTAMEQIIYATAA
GWERAKRGTYRDDIAISVCAIRIPPSLLQGR
>comp5122_c1_seq1; 298 222 884 LEN=957; translated
MPTLPGREPRKRRARRCAKAE GKNLLVDRGETVPEEEWIRRMLEHLSRDGHRLVAGK
RIVLVASSRSAPPSSRKGQKHSTASLWVSRLASRAKSLCLVVSEQEEEDDEEQQQQHGLR
DGSENGGSSAGGAGPCSILWRNTEVVGSTELEDLLRKAGEGGDKAIDAIVLSTTSAEVVH
NDPFVNDFLRRTDAPIHMSDDCADGFCYYSRLQEGANIVLW
>comp5123_c0_seq1; 309 52 1642 LEN=1642; minus strand; translated
MMNRIITTKSLKAKSNHTVFKDEQKIMWLYKNDPFAVAPDRLDAMRCDAVQGPRAAQR
AGWAGSCLRPQKRLKDARIDAGLGFVPGVPLDVPLVVARKDAAGVPPERGRQGAHVPAH
PHRVRRGGVFGPLSASGRGPPQGPVREAVDHVEPNDSLVPETPQLEYGHDVLVEEQGGP
QFLPPGPERRQLGHQHPQVVPVEDVPPADRHELVP LHRSLFDEGLVGVVGDQKGVPAQPQ
ALAYGRQDAGGLD VDDLDRDRPFRKAGVGI AIAATAIERRFRKVPGAEQRGNHGATVRGP
VLSPLARRDVGHVYPSAVHQGEKVVPEARVAASRCREAPAPVGA AVLGRVVTGAPSPVEW
HRDALDDNGLPPLARPAAVAAI VAAAAANVVAVLIDGVAAAAAMRVVSGRCHVVAFFS
LLAAAAVVAGMNAV GALVEPHPLPDRGHPPGGLEFALVQGFLELRIVALLLPACRLEIGE
MVVAKVFGFGRKVAVQ GAPARAGTRRESLLLLLKHGREAPLSQRSVRCCVX
>comp5125_c0_seq1; 371 223 1536 LEN=1932; translated
MNGLWQHHLGESSVSGDDCQLEEFGTAEHDRHATLRYRDVANAGPPARPLDFPSPKVFRG
ELVDLRARDHKSGTIHYLKNVLI RSTVNSNNGNRYFSNISICDTAYLVTKKVSKTVYGC
VSLCIVLKR IKNDPNDSTNSSDATKEEDRQDNNMDCSLIEWESTDDQAAVKISEWKKIHA
LRGKHLEDPIKEVSVMQLLGNHYHQHISGALEVLQDDKCLYTVMPYCGGGDLYGR LVEFMG
FRSVRSDTANSVVATGFDEHSAR IWFRQLLQAANLLQKKGVCHR DICLENILLDEDDNIC
LIDPGMSLRVPYTDSETGGVGDVSAGTSRRLMIAQGGGKLMYAAPEIISKTTDVDAFAI
DLWSLGVVLFVMMVGLAPFRWAHASDKRYARISSGDLNGMLKELGISISPEVCNLLQGF
WADPQKRLNLAEVIQHPW
>comp5126_c0_seq1; 278 92 1214 LEN=1214; translated
MKTSSSTLRLLLCVLGSATIRRCYGGKGT PRS IGRFLQIRGGEASYPDYRGANLPPDLPE
YGDGDGVQNGRSPQQGGHNRHYHDSQQQQYPAGDHGGDPRYNSQQPPYYPQQSDPYYHQ
HPPSHPSGYPYGENPNQGPPLPSGHGQEQQYPSLPGDPSLYQEEEEPEMDMNSAFGGGIG
DENSGDGSSGMDLSSFDFKEYILKGLAKLYKKKILPLETSSGYGHFHSPLSPADFVAPPQ
VLLLGQYSVGKTSFIKYL VGRDFPGIRVGPEPTTDRFTA I LWGPNDKVVPGAALCSQQNL
PFTGLSPYGNFLSRLEGV EADSAILRNVT LIDTPGILSGQKQRSRNYDYESVMKWFGER
ADLVIIMFDAHKLDX
>comp5126_c0_seq2; 150 137 527 LEN=527; translated
MKCSVGKTSFIKYL VGRDFPGIRVGPEPTTDRFTA I LWGPNDKVVPGAALCSQQNL PFTG
LSPYGNFLSRLEGV EADSAILRNVT LIDTPGILSGQKQRSRNYDYESVMKWFGERADLV
IIMFDAHKLDX
>comp5127_c0_seq1; 296 64 1185 LEN=1529; translated
MGLNLATRYGFVYNQVARSTSLRRSQIPSPWRQHPWQNKQHIASQTAYQDPALSWAQA
NPRLAQQCLNPPVDGEDHFLAERSLQSFEAYLEWRKWF PNEIFHESEGVDSGDQREN
AIAI ISHLLSAPLTLASQFRKLMEYFSQSSPNENGASERVGF DLCCVGARAEASIPAVYW
REFLRLSMASMSIRSEFPCDGRVLLERKSLELYLDFVGPDI PSKVSKQSVCVP EEKRNHT
ASSASISLRNYRYGYFHDVPAVNASNQKGLWDAYVFFNPGFGHPNLQQSWEPTLKL LLD
QGRSGFHKKKSILLT AHSEKDASRDFSILRDVYGLKTVEYKENPFASRVTYEDPFEKEH
FVRPNHYVATILL
>comp5128_c0_seq1; 290 110 826 LEN=1015; translated
MGNAAGKAIDEAVLVEGLTNKDEGRFISKPFVSNEGGITKIKNKGKTWVTTDGESLLWTS
KSSGVFKCHSVITDAGGSQVAIIVTEKKAMTSSTNWILKTEPSFDGQDPVSEEDLQKAGI

AKKDEPSGILLYKFSKIEVNRKLTGVCYTYGIVKGQEDFLPLYVGERLSSMGFKALFKEV
SSTNEDGILVAKAYMPGMSMSPHVEVAAGVDMLAIVSIGYALAGDDSSAGALAGAGVV
>comp5129_c0_seq1; 472 90 956 LEN=1166; translated
MSSEPADQFIQMTDSEAIFFEECDKLEKGRRLRRAALQTGILTIVSILCTIYTTIAVRW
VLI EWQQPEKTIYDIAESLTMFKIGIFFDIVVTICDIVIGITLGLIMVGAGVNPATAVTI
CTFKIVQQAVSAANIIFLIAAHLDDGASPIYEVIQKYFYSDNMPPIGTQISYMFLLINQ
YGYFQQIFGGVYMFLLGFTIVLWGVFPRYMGYSMCLAGVGYVNSCLYLFFPGYDGVVS
WLLLPALATHFWLAGWLLVNTPHPSKNRDLWGSRPVAVPQYPGKQVEP
>comp5130_c0_seq1; 305 565 1794 LEN=1898; translated
MKILLCGGNVAVHVLTSFIASQPRHEVCILSLYPGEAERLKDAISEKGIRCTHDLGDDAY
GRPVRISSSAEDVADETTKLVVLAALPSFAHESYLRALKTCLKPGIMVGAMPGEFFDILLA
RHVLGDAFVDASTVFALETLPWACRILEYGTVEILGTTKKEVDAVVASKRGEPPHMAIEV
LQSLVGRPLVPMKPCNFLAVTLMNINSIWHPTISYGYRDRDVTKPFDEAPLFYEGADEY
TGEMLAAISDEVLELKRVLVQKYPELDRSLHHVRDWMLRSYGDDIGDTSNLHTMLHTNK
GYKGLRHPVRPVVDEESGKKQYLPDFGYRYFSEDVPMGLIVTRGIAELVEVPTPKMDRVI
LWCQKQMGKEYLVEGGTSLSGKDLGTTTRAPQSFQFTDLDTFMKTNHVKA
>comp5131_c0_seq1; 497 56 1762 LEN=1901; translated
MATSPRLPVLIAAGAPCGLVAATTLKKEGIPFVILEKVSQRICSNAGSGFELAPTAVAI
LEEGLCLDLEKTRLVSRYRGMCLATMEGRPLRTDRLGEGYVGGSLNRAELQRFLLGVLFS
SPKDEEGLVLCGSGVESYRETKNRTVVVELASGKEFEFCALLACDGIRSRCRDRMMGDLS
REDSLHYCKAVCYWGKTLAREGTALEKEFLSLQSEAPRTKKAKARTKTKTETQTLSEAKAH
AQEEPGLALALEDHRRSSFVLSLATPRVPAVLVFIQHQTEGGETTSTSNTKSKTALMLN
WGITVASKNEPAARGDSTRRGGVLSSEDEKKQLLSLGGKKEPKKRWGGATKTKAKTTNR
SLLANIEDFPILLEELLAATPAKDITEAGFYDRKDLDPYTSEGKLVALLGDAHPQTPYL
GQGVNMAITDAYIYSSAIADALQKSRNKSSTTTTTTETEAA SVADAIRWCDPDFRRRDNKS
AVRWARFLCDFSSSSNRIVCWLHFAYCKHIVSPEEFLSTIEKTDRSNARYWKYFVERYGT
RFFSGIKNPDQKKIANGIEIKPLREEAEC
>comp5131_c0_seq2; 348 56 1319 LEN=1319; translated
MATSPRLPVLIAAGAPCGLVAATTLKKEGIPFVILEKVSQRICSNAGSGFELAPTAVAI
LEEGLCLDLEKTRLVSRYRGMCLATMEGRPLRTDRLGEGYVGGSLNRAELQRFLLGVLFS
SPKDEEGLVLCGSGVESYRETKNRTVVVELASGKEFEFCALLACDGIRSRCRDRMMGDLS
REDSLHYCKAVCYWGKTLAREGTALEKEFLSLQSEAPRTKKAKARTKTKTETQTLSEAKAH
AQEEPGLALALEDHRRSSFVLSLATPRVPAVLVFIQHQTEGGETTSTSNTKSKTALMLN
WGITVASKNEPAARGDSTRRGGVLSSEDEKKQLLSLGGKKEPKKRWGGATKTKAKTTNR
SLLANIEDFPILLEELLAATPAKDITEAGFYDRKDLDPYTSEGKLVALLGGTQWNGTEYN
GX
>comp5132_c0_seq1; 182 1 454 LEN=1100; translated
XQKVFVSKTILNNSQKFDLQPPNTTMSNMMEKVKRASNSVFNAGAKQMLKMDVLFLERE
INTRKQSFQIEIYDLMAELEKSEGMSDQDKEAKIRAAFDNARKDIAVIEAKKECKKEEIG
VLAATQNAAGAVPEPAIPSSGAVLTTGHPPEL
>comp5132_c0_seq2; 163 1 487 LEN=1133; translated
XQKVFVSKTILNNSQKFDLQPPNTTMSNMMEKVKRASNSVFNAGAKQMLKVRKYGRLSR
LRMDVLFLEREINTRKQSFQIEIYDLMAELEKSEGMSDQDKEAKIRAAFDNARKDIAVIE
AKKECKKEEIGVLAATQNAAGAVPEPAIPSSGAVLTTGHPPEL
>comp5133_c0_seq1; 294 1 990 LEN=1131; translated
QHSTALHCTLLPQPLAIESKRSNTNPAAEKNSPTRTAPTKDNTPTTIYDITMRCDTMRPT
HPAAPAPGSPHPLRVLAAAMGLLAVAQRAHPASAFSPCPAAGGARPGSLRMADAPADTTWT
NLVPADESAPVRKTVLEDGKGLPKKGQTATIQYTGRLVVLGGDSGGLAVASWTPGAVVDC
WLAEQQGLSGILEGPFQAAQGVDFLLDGRFTEDFLDPLGLENKLQRKKAVMAARRLR
TSLEGYEDGAVFDSSSDKEGGVFRVAVGAGKTIKAVELLVAVMAVGERARVRSRCDYGYG
SEGYRTSRGDVVVPPFCGLEFEFVELVSL
>comp5136_c0_seq1; 597 132 1688 LEN=1884; translated
MTTIPDIDEETLNSGAEGFMATQVFVKNPGCVGMTYDDLIVMPGHIGFVGDVVDISSDL
TRNIRLQVPLVSSPMDTVTEHQMAITMALQGGIGIHSNMKAEDQAAEVLRVKRFKNGFI
LDPVCLSPENTLEDILELTKLKFSSFPVTDGKMGKLLGIISGRDTAFIDDISVKVSE
FMTPRSVLTCADGISEEANEILKSKKGLPVVDEDDQLVGLVARADIEKNKENPRAS
KDKKNKQLLCGASIGTRPDDKIRAKLLADAGVNVIVVDSQGDSEMIQHLKATHPQ
VDVIGNVVTPSAHNLIKAGADGLRVGMGIGSICTTQEVCAVGRAQASAVYHVSKYARK
FGIPTIADGGIKSTGHITKALSGLAGCVMMSMLAGTDEAPGEYFYQDGVRLKRYRGMGS
IEAMKSGSEKRYVWDTASTHVKVAQGVSGAVTDKGTLLRRYIPYLMQGIRHGLQDAGIQSI

DIARERLYNGKLRFEIRSPAAQKEGGVHGLHSYQKRLY
>comp5137_c0_seq1; 454 106 1815 LEN=2597; translated
MKRRSLEDVSKSDAAKDSIEDPYNRDAAADGWYMCSLGCDDGGQQQEIQTNISPTSTYDAP
GADIFLNQTSQTFNKVRRRRSRTKNKDQHDNVGVSSSKHTDLSLASELSRSLIEDREK
ALEEIHGVVEVSDDEDPMEIQNLDDQVKEELKRIRYKQAYEKA AFLSSAYVTDPDFVIYFL
RTDNYNPRKAAIRLVEHFYKLELFGEHTLVRDIMYDDLSEVEKNILNSGFVYCLPKPDR
AGRHVMI CNLSEFLKTGTLMMDNRAVWYISLRYIQMFPSLSKLG VGVYFAHGMCNVFDN
LSREHFVPKTAFLGNALPYKFASVHFCFEKNILASALQTTLMMSLGKYARIRLRSHCGSR
MESTYTLKSF GIDLEEFESDGLMGHAASAHSFLQQCQKFDQYYQQKQNT RLLPRPNDVLL
GRGRPFQLYPGNLALTAIIDQYRDEYTTSKKMHKKAITAKVVNDILRS GGRFLKKAEN GK
GVDWDKVD FETARLKVSHSFR TMSKWHADNEDEENENRGDGQKKGGGEDESLSKISPI NT
DTIESLGLIIEPI SKNETLSNKRRKGQNY
>comp5137_c0_seq2; 420 106 1940 LEN=2722; translated
MKRRSLEDVSKSDAAKDSIEDPYNRDAAADGWYMCSLGCDDGGQQQEIQTNISPTSTYDAP
GADIFLNQTSQTFNKVRRRRSRTKNKDQHDNVGVSSSKHTDLSLASELSRSLIEDREK
ALEEIHGVVEVSDDEDPMEIQNLDDQVKEELKRIRYKQAYEKA AFLSSAYVTDPDFVIYFL
RTDNYNPRKAAIRLVEHFYKLELFGEHTLVRDIMYDDLSEVEKNILNSGFVYCLPKPDR
AGRHVMI CNLSEFLKTGTLMDMVRSPLLKCFLDNEKTRNIFKFSEFDCFLSHQFHLLFW S
TFYRIEPYGI FRLDXIQMFPSLSKLG VGVYFAHGMCNVFDNLSREHFVPKTAFLGNALP
YKFASVHFCFEKNILASALQTTLMMSLGKYARIRLRSHCGSRMESTYTLKSF GIDLEEFE
SDGLMGHAASAHSFLQQCQKFDQYYQQKQNT RLLPRPNDVLLGRGRPFQLYPGNLALTAI
IDQYRDEYTTSKKMHKKAITAKVVNDILRS GGRFLKKAEN GKGV DWDKVD FETARLKVSH
SFR TMSKWHADNEDEENENRGDGQKKGGGEDESLSKISPI NTDTIESLGLIIEPI SKNET
LSNKRRKGQNY
>comp5138_c0_seq1; 197 149 667 LEN=1045; translated
MTDVESSVPRRANKPVNPYS DGPQN SRWNPINFVPRILWMSFSFYVLFDRFNIYHTIMH
SPDVSHEWFKIGLAASIALFSIKAYVELYTGKIQKKEVSYKAVPQLTHAAILLIFVSGIA
FHIALWPVYGGKSMVIMFLVGAFLLNFCLMFPTSVQNLVAIVLFTFFLQEQ
>comp5139_c0_seq1; 452 270 1190 LEN=1417; translated
MTFEKGC SVEAFGFILAVASASPQEKVVVEYHRSSKSTKRLARRRRKIPLALI QYNDGG
GAEKKPSYKKNSETSLALGIHMDALPQKVQPQNPTMNVGKAIKDKDASVIFIVQSENYDT
IDQDIKPPPPSSIVSTTSLEDYI INSDKNDNDKQDKTREYPVIQKVNARIRKNQLAAM
DETNALIKMLRTADDSTMSMSMGFGPSKISMAPMTSPTEMTQTSGYVPVLTPTKNDGPPK
RPSVSTNANSNSIVLPTESIPFPDETTSSSVADVIEDGASTVFLASAHFFTIVIVLGC I
F SCLVS
>comp5140_c0_seq1; 430 1 1416 LEN=1496; translated
XCRLQRWVGGTGNFQPILOHSVNREKSSQQHDTQQPITTTSDQDEDEQXRSKMGVMEKIK
EIEAEMARTQKNKATNYHLGTLKAKLARLRNELFVEQSGSGSSGEGFDVARNGDARVA
LIGFPSVGKSTLLGALTATESEAAAYEFTTLTCIPGVMRYKGSKVQVLDLPGIIEGAAHG
AGRGKEVIAVARNADAILIVLDAGKEGLNRHREILERELETVGIRLNQRPPDVKISKRKM
GGGIRFSSTVPQTKLGPPEPEKVVTQILREYKII SADVLAREEITVDQLVDVALGNREYKP
ALYLYNKIDTITIEEVDQLARQPHSIVGSVNKKWNIGQPLEDDALKQKMWEYLGLTRIYT
KRKGSPPDLEEPVLSDIRKGTTVRSLCANISTQMLRDFNYALVWGKS AVHAPQRCGLTH
RLDDEDVVQIVTKTIKQQNSSSYAMLAQEYQDKHKKRLEAKKQKQKRLRG
>comp5141_c0_seq1; 11 1 475 LEN=781; translated
RSSGGRARSSSREEVEASLEDGRQVPVVPGEVVP GSGAAVGPVEVEASLEEGLRVPV LVE
IEQLVPVALVAEVVLQQRATTELGVAVVQDSLAAVEIGVAVDLRIGLTALQETHQKAVAE
DGVEANLELDPVEAGPGVVVRENQGTPVQEA EVGQE
>comp5141_c0_seq2; -41 1 448 LEN=448; translated
XEKHL EAAAGLGAGVDQEIAERDLEVAAVLEAKVDQEKLTVP AEIDLGA AVELGAKVDPE
IEPIGLQALSVPGVEVGLEMLPVLVETGQEVVVEHGAAVDPEIDSRALALVEVGQEVVAV
LGAKADHEIDPGLPVEHGVIADLEIDPRVP
>comp5143_c0_seq1; 143 208 839 LEN=1126; translated
MSIRGTASVRRRDSSISKSAFFSSMPGSPENEEELFEEEGAESLLDSFDSYIVVSVLTA
TASFAALFEANLEDKFWGFHNAWVFICAICSLSGIYXDGRIFPQLDLR TYRGDRKGPLH
RDLLRAHGVS DAGLLDVPSEPGPFHFAADLYRGGQGREVPDTLSWIPPGALDFHVPRL
DDNHEGGGPHFCASRREETKEDLEVYKVRW
>comp5143_c0_seq2; 143 363 994 LEN=1281; translated
MSIRGTASVRRRDSSISKSAFFSSMPGSPENEEELFEEEGAESLLDSFDSYIVVSVLTA
TASFAALFEANLEDKFWGFHNAWVFICAICSLSGIYXDGRIFPQLDLR TYRGDRKGPLH

RDLLRAHGGVSDAGLLDVPSEPGPFHFAADLYRGGQGREVPDTL SWIPP GALDFHVPRL
DDNHEGGGPHFCASRREETKEDLEVYEKVRW
>comp5144_c0_seq1; 299 224 1192 LEN=1309; translated
MQNVFSRGRILIPGSSRLYAKEHAVTMANIASHRQLPVSVHPKKKTLHGFGRRLLFSANAD
AAGSSSASGKSFRFSFRSGFDWYSKKLDPITTKCISAALISSLGNALAQKITHQDRQ
QRRDEWERKHADKPTQHEEHEPRGEPFELNLAQIGRFALLNATFVAPVLHQWYQFINRAV
PGRSMSRVLQRTFWDEFVFSVYIPAFLAMLWKLEGVANDRILEMIKSECPSIIVAEWAL
WVPTMIVTFRYAPVKFQVLVINVVGVVWQTFLAYSANNAHSSSGAEDDSVDQE QK GKATD
TGIVIPEDKKPLVLESIVQNKQ
>comp5144_c0_seq2; 229 224 937 LEN=1132; translated
MQNVFSRGRILIPGSSRLYAKEHAVTMANIASHRQLPVSVHPKKKTLHGFGRRLLFSANAD
AAGSSSASGKSFRFSFRSGFDWYSKKLDPITTKCISAALISSLGNALAQKITHQDRQ
QRRDEWERKHADKPTQHEEHEPRGEPFELNLAQIGRFALLNATFVAPVLHQWYQFINRAV
PGRSMSRVLQRTFWDEFVFSVYIPAFLAMLWKLEGVANDRILEMIKSECPSIIVAEW
>comp5145_c0_seq1; 197 162 647 LEN=793; translated
MASTVDLLPSNLQQTQLI IERSNASGGGIRVILLSTAEGVPLGRVYSSADHASPLDEEV
LSNIESTWAPASKQFPLLHMGKEVKVVKVVTAIYDNRITIFHIYQAPVVVTLVLVGMNANLG
AVRSTAIPLLKEILEPLCSTLLNSLAPAQTDHGYPQQGYQ
>comp5146_c0_seq1; 639 368 2800 LEN=2939; translated
MVASSNSVTVARGGVGASRDDTVLDDLLLSRCGTSPHIMRRRMNSPSSSTANRNPQKESS
LTASNTRKRLQVELERQLFPPLNDGKNSTSSGTVMNKNNTNQHMRRVRSNDLAQSKRDD
PSVRRSIFGPYFQEKPRSNSVPHLVRSQLPPPPPLTPPLEIDSPVPAREEPQAPIRSF
RSSSDFV VASKKNGDKNDGRHRRKSQEQLHRHNL PVDYRVFAPSQHQAAATSAICYRYREL
NRDHEKEYDSVLERQVSVEHSLPPFSPSPLIRFCSETTTTTVAGNDSFSLNTHPNGIRRSS
SNISSHDREIHYHGVSLLTPISILRPSRYAGSKRESSSDSNVAVDTGVISQDSAGVTSY
TRSNKNRNATIEEEAEEGHHLSASMSASFNFPRSYIDSSPILKAFVASPTDDGSFSGIH
LVEEKESDIAPQVPLGAASVASSLKPTKFLAPDISRSDEALDGRPSSGITAAATDGF
KDTFSDKDTTDTVVLKQPLQQEQKLRFDPRVTVTEFEDPIPRKWDENELDQHKREAI
AIAQNYLRQHRVAEAWYRRSTLDPVTNTYRKKALFSLPVFSSMYSDNRTENSQESPRGAI
VPSEPRIRKILIVEPNPAILSLFHKSMKSMFESAEI VAARSSEKALRLVEESIAPTRHDA
AAFDIIVIEQALAIRGNHGAKRSDTCLPGLLGMFLKKNHEPIISAVPSTKIHRGSELIEQ
LRELSLEQQTQFGNADPPRSSLLIGVSLRPERDGAAMRQAGADLVWGIPIPSVGRNLND
LVSKLQDKRSATARPTSTPLLPDQSNPETK
>comp5147_c0_seq1; 399 19 2006 LEN=2128; translated
MFWLWIIILVAYGTLTQWQLLEASAPAVPCFDEGENGDSSNPNSWRRCYRPAVRVGESLTL
QLELFSSPSGSGAAGGTIPRWPVETCRIDLAVPPVGKLPGLVTD SKKGGSIGSSSDGSA
MPSNGSDNTNEYRDEKSSTKPEGNQRCEVIFSKEARHRSSIQSEVQPLKARFVVLAPLG
GDNNGRVK IETMAPXFLTRVEKRD P NSIMRLLMSNPNGAPDKDSGTQVETCRSDSTESN
NCTIGSNTGDNDSNKIMWIPFVKFGRAPVIRFVAEERGYAFLQRADGIRL KALNSTTYT
PLLYVDELSLQGAQIELAPFEANKPAFELQIKLGSISPMVDTLYRQVQDAFETIEGSFF
QGSELDELRYFLQDENLYRFALTNII STLHVWLDYLAFRDEVRFYRGKQNL SGVSPSTAV
TKMICSMI ILLYLIDGGGT SWIVLFLSILSFVVD A WKVLKLLRPTPTRSFVVKIREFAS
KQEEEIAEYDRIACRRLSMLIYPVVCWSIYALKNYEYRSLYSWFI SNAANGVYTFGFIS
MCPQLYVNYRLKSV A HLPWKVFLYKIFSTFVDDAF AWLIE M PLKHRLM LTRDDVVF L CFL
GQVYMYRVDKTRSN EFGYSYGEDEDDTSQELN TTEGTDKASP SDSTRKHRNEVPSSSKLK
DE
>comp5149_c0_seq1; 502 262 1822 LEN=1943; translated
MSPKSETCDAGKCTPKEPSHEVLRMP SFYQRQLPDTCVAFASRQGK LFRSALENGLKS
FYNLIEQHHTQTEPAYCGVSTREYR VILVCCSNF SVKSFVSKSGTTHGQSFDY YCPRLS
VVM T LNALAVDPGQWKG VWRWYTESMLNCCVDLEEIKKDGITL RDFQCLAH CQLSVES
RYCDETFSLNEFRVVERACIEQSVEE EDELEHNGEDENQ LLECLIVSYSRKTLGQTGDG
HFSPLAAYDKESDVLILD T ARFKYGAHWTKLPLIYEAMKPLDKSSGKPRGYALLSFVPE
HKTDNIAIDT MATTHGDNKSSGPTNTNQLSTQPASILFRSKMNQKGRRLYKEYIKSLRE
ETYEQGDIPYSAVRSYWKDTHGPI SVWEIIVPTRLHNEKEKELLRQIRRLLAELKDR TM
NEAIPESIEGNNDNRRKEGCTAYDLC DNAPVRSTNHTAYVSAEETLYLIYLATLSEERR
YNYIMNFESEASDIARKQIITEADMIASAIKVS DQLTSL
>comp5149_c0_seq2; 539 262 1704 LEN=1825; translated
MSPKSETCDAGKCTPKEPSHEVLRMP SFYQRQLPDTCVAFASRQGK LFRSALENGLKS
FYNLIEQHHTQTEPAYCGVSTLVM T LNALAVDPGQWKG VWRWYTESMLNCCVDLEEIKK
DGITL RDFQCLAH CQLSVESRYCDETFSLNEFRVVERACIEQSVEE EDELEHNGEDEN

QLECLIVSYSRKTLGQTGDGHFSPLAAYDKESDSVLIILDTARFKYGAHWTKLPLIYEAM
KPLDKSSGKPRGYALLSFVPEHKTNDIAIDTMMATTHGDNKSSGPTNTNQLSTQPASILFR
SKMNQKGRRLYKEYIKSLREETYEQGDI PYSAVRSYWCCKDTHGPI SVWEI IVPTRLHNE
KEKELLRQIRLLAELKDRMTMNEAI PESIEGNNNDNRRKEGCTAYDLCDNAPVRSTNHTA
YVSAEETLYLIYLATLSEERRYNYIMNFESEASDIARKQIITEADMIASAIKVSQDLTSL
>comp5151_c0_seq1; 924 222 3347 LEN=3387; translated
MPSTIRDRINSFEAASSLQGGVPSRPIASISPRGGALGTRDAFKLPHYEGEHRHQON
EKEENKQPQATKQPKPHRFNRNRRETQSRSKFYRDMKNANNAETALSDVNTNSSGNNNK
NNPTSASNRRERGNRMSHNEGNQPFEESSSTTATASENRRSRIRQSQQIRENSISATTTN
FTDLRRQRRMLQNQRRTYQAPSNDSSATAAKSQDIDQSEASTTMFGRENLASTVDPSPGR
TSTASSLNIASSSPGGSRSKLSRLQRRPNGINERQSSIATNTTRNSGYSAVTSVVRNT
TSDNATSKHLSPVKLENVSAASPNTKSMTISKLSMATAAGLSTKTRRQNEEVSSPSISSTR
HSNRNRKESDDNNDNNGTNLRSRSHRDDSDDIGGAASPQQINASLEAPTDDDATLTSVH
RIMEGSSNSNHHRTTIDNSNNHHPNSHQNSVNYTYEPLQSNHNPSTSGRDSGSGVGPWKP
NRGVHSNSNRNTIWKEDKSDKIGYGLGGRVLRTEYSSDYDMDDISKADRSRHSVHSDVG
PSTSQATDANDFLISSRYNNSNAINSGLNNNNSAATMGTKRIDDDRTFDYGRDDSDN
GGTSFARRRREADQRRARLAAQNLDLNSNNGSIVHNNQLGQSIHQGGGSIIGNNGEPKLL
SKEEMEHFTAKDNPALRLSAGVAAVATVGLAVAGPAGLLIGVAAGGLGFGFMQIPEDERI
KIQDRAEKAMNTLQEKACDASEAVTSSCLSTYEDSGVAEHVPHCLSSNIADQLVPCPTG
QTAKSENLFNPAGATAPAGSQMTGPHSAGTNHQEHPSASPAGPMMEQPKAAPMSHNERMR
NKKVACLNRVRIPIAQIHLDPDTSQPRAWLDVVASANTSNDQKNEAMEEILLLAKDKRR
AKIFLDEGILDYI IWTISRYLEKLEAADKKTDFWAFPEITANEKSAANLAALCCVTLGKAH
CAAIHTEGDLMLSMYERGTVPPEERQVAQMLHEVPHHARVTKISDPTIVEPSKEVFAPRQ
LTLAQAEELARSIAKAVADGQM
>comp5152_c0_seq1; 1229 271 1764 LEN=1949; translated
MKFSSIVVLAAPGATGFAPFQRQFTTPRTVLRKVEYDLDLGIIEEAPKKKGGKKEAPAP
VPAPVPAPAPAPKSKKRASKKAPEVPEPTVPVAPAPAPKAKAKKVKPQPVKTPPPPP
LPVTKPAPKSASASTKASGVALGVAPLVLAPLAILGAGRSVLSGTERREKIQKEIEEFE
QAKKKKQLQAEVDGGGLVQAAGFLGAAGLSLGLIVANPFGQTSNSPAPVKAPAATKQAPK
KDVSAKTSSAPPAAVKKEKKA INAQRKAELKSGYDLSLDAEVKADEKAAVKAIKEEKAL
EAAVKKDEEAAQAAKKEEAAQEA EKKAEEELKKDEAEAKALKEAEKKA EKAANEAKAKE
LAKKEKEAEAKANAAAEKEKA AKA EAKAAAE EEA EAKARAEKAKIAADKAKAAEAK
AKEDEAAQKVKKEE EAKAAASAPAPAAPAPAPK PAPA PAPS GDAALGKVLGGESGRI
LPKEELDPGVLEFLKKY
>comp5153_c0_seq1; 398 68 1316 LEN=1853; translated
MASSNQENVGVALALVFGAGASTGIGA AVVFIPSLVKIASRRVLASSLGF SAGVM TYVS
FIEIFNKSADSFENAGHPPDKAYIYATLCFFGGVLAMLVLNLLVGVLLGKRGHHDEL PK
KAKKSTRKSVDKQLVDGVNDCPTCCSADPVKQLNDVHRMASVIEHEIEDAAKQAAEVSNA
EEEQEKVVSVDLEEKSKMETVDEENIPAAELVEPAGDSAENKRLHKMGLNTALAI GLHNF
PEGLATFVAALQDPKVGAVLAIAIAIHNIPEGRKRRTLF IARLPTPMAGVGDYSKESLLR
TKLIKTLASLPFTGLCVALPIYYSSGNRMKGFLWALLSGASEFIAALLGWAVLANSFSES
AYAILFGLVAGMMIMISTKELLPTAHLYDDKDTVVSYSFIIGMVVMALSMCLFQL
>comp5153_c0_seq2; 362 68 1387 LEN=1924; translated
MASSNQENVGVALALVFGAGASTGIGA AVVFIPSLVKIASRRVLASSLGF SAGVM TYVS
FIEIFNKSADSFENAGHPPDKAYIYATLCFFGGVLAMLV RTEHEFLKRRRREP GGFVESI
VAIVVENEVCXAIYFFFRQTVTHASQNNCGADCAWGLVFGKQSKVLNLLVGVLLGKRGHH
HDEL PKKAKKSTRKSVDKQLVDGVNDCPTCCSADPVKQLNDVHRMASVIEHEIEDAAKQA
AEVSNAAEEEQEKVVSVDLEEKSKMETVDEENIPAAELVEPAGDSAENKRLHKMGLNTALA
IGLHNFPEGLATFVAALQDPKVGAVLAIAIAIHNIPEGLCVALPIYYSSGNRMKGFLWAL
LSGASEFIAALLGWAVLANSFSESAYAILFGLVAGMMIMISTKELLPTAHLYDDKDTVVS
YSFIIGMVVMALSMCLFQL
>comp5153_c0_seq3; 412 68 1189 LEN=1726; translated
MASSNQENVGVALALVFGAGASTGIGA AVVFIPSLVKIASRRVLASSLGF SAGVM TYVS
FIEIFNKSADSFENAGHPPDKAYIYATLCFFGGVLAMLVLNLLVGVLLGKRGHHDEL PK
KAKKSTRKSVDKQLVDGVNDCPTCCSADPVKQLNDVHRMASVIEHEIEDAAKQAAEVSNA
EEEQEKVVSVDLEEKSKMETVDEENIPAAELVEPAGDSAENKRLHKMGLNTALAI GLHNF
PEGLATFVAALQDPKVGAVLAIAIAIHNIPEGLCVALPIYYSSGNRMKGFLWALLSGASE
FIAALLGWAVLANSFSESAYAILFGLVAGMMIMISTKELLPTAHLYDDKDTVVSYSFII G
MVMALSMCLFQL
>comp5153_c0_seq4; 348 68 1514 LEN=2051; translated

MASSNQENENGVVALALVFGAGASTGIGAAVVFIPSLVKIASRRVLASSLGFSAAGVMTYVS
FIEIFNKSADSFENAGHPDKAYIYATLCFFGGVLAMLVRTEHEFLKRRRREPGGFVESI
VAIVVENEVCXAIYFFFRQTVTHASQNNCGADCAWGLVFGKQSKVLNLLVGVLLGKRGHH
HDELPPKAKKSTRKSVDKQLVDGVNDCPTCCSADPVKQLNDVHRMASVIEHEIEDAAKQA
AEVSNAAAAEQEKVVSVDLEEKSKMETVDEENIPAAELVEPAGDSAENKRLHKMGLNTALA
IGLHNFPEGLATFVAALQDPKVGAVLAIAIAIHNIPEGRKRRTLFARLPTPMAGVGDYS
KESLLRTRKLIKTLASLPFTGLCVLPIYYSSGNRMKGFLWALLSGASEFIAALLGWAVLA
NSFSESAYAILFGLVAGMMIMISTKELLPTAHLVYDDKDTVVSYSFIIGMVVMALSMCLFQ
L

>comp5154_c0_seq1; 297 1 1540 LEN=2188; translated
RSLTNVLSRGHKKRYYSWYGMNTSIVETHQEAPKHRSARVDDRVARGDQQGIPNKKVR
KKGVMVMSSTRACTACHAAKVKCVKVEGSTKCKRCERLGLKCI EHSRQGGQTRRRRKA
KTKVQKNDVQECKFSAPICTPLNCNITNDKGSVSKKSTENGASTCYAIPMGYTSTVICD
GSGGNNMRNNDGSLKQKQDPDPSTICAAMDALEVEDKII CSSITSGLGKDHFGNLNHI IRQW
IALAFSRRSFSLLARASFIAEKMKIPMDDIISNQSPFAAATDSEPMDFLAADILLSKKER
KTLGYPIDLREIPWDLLESVQIDPNRLEETTRNRCIAIRWASQGSTRYWTSPVFCREFAS
TAEIGQVWEENKEGYDTIDLFI EKSEKGRFAQNLFIHIFVNSKPNMPCYVTKDRHKVQRR
NNAPPIEANVIQTIKLLDLASIH YCEIQFLDDDISNANNLVGDGLVRANKRDYIDDHSL
DNIDPFLGDGIEFTDIPVTDEMIEFMKLISGE

>comp5154_c0_seq2; 324 539 1845 LEN=2493; translated
MQLKSSALRLKAVRNANGANGSXLKCI EHSRQGGQTRRRRKA KTKVQKNDVQECKFSAP
ICTPLNCNITNDKGSVSKKSTENGASTCYAIPMGYTSTVICD GSGGNNMRNNDGSLKQK
QDPDPSTICAAMDALEVEDKII CSSITSGLGKDHFGNLNHI IRQWIALAFSRRSFSLLARAS
FIAEKMKIPMDDIISNQSPFAAATDSEPMDFLAADILLSKKERKTLGYPIDLREIPWDL
ESVQIDPNRLEETTRNRCIAIRWASQGSTRYWTSPVFCREFASTAEIGQVWEENKEGYDT
IDLFI EKSEKGRFAQNLFIHIFVNSKPNMPCYVTKDRHKVQRRNNAPPIEANVIQTIKLL
DLASIH YCEIQFLDDDISNANNLVGDGLVRANKRDYIDDHSLDNIDPFLGDGIEFTDIP
VTDEMIEFMKLISGE

>comp5157_c0_seq1; 102 1 202 LEN=202; minus strand; translated
RKKKKKKVLRKDSKEIPPVEITDSSATEESKAENEEIVTRKASRSTRKIVETNNARPTQI
TKTPSPQX

>comp5158_c0_seq1; 629 117 1993 LEN=2254; translated
MEEVQQLAELEETKESRKIVSRFWNNGNSDDDDGESDGNVPLPVMGAVKIFLLEKKTXX
KSFHRVEQNQDGS DSDGDEEMRRSQDPDYAWEQIRDEQIFLEPPTKWI PSQNA STSTSD
IRVRQAI VEDLQKQE QDSFVRV FVSDTHANHRDLAHLPRGDVLVHAGDFSKTGETGSIE
DLALYFHENKQNNENHQTSMIQEII CVAGNHDLTLDQDYHRNWSKFHRKAFD TTVAEKA
IRRHSIYLRDEGCDVVVKQKEEEDGTAPIHIWGS PYSPEFFDWAFNKDRGPSIRKIWDQI
PSPHPSTSTVTPCTV SFDDNGGIGGEHDSAVGHESEPASSSDSMQQQRQHQAQPI SKQV
DVLITHGPP LGRGDLVFLDETESKTTRAGCYDLLRVVQGRVKPRVHVFGHIHEGYGVTFD
GTTMYINASSTSQDYEVINPP IIVDVRVPDAITKGKSMNYERN SKCASISQSNNKPPSAW
VVRPKSLFRNGKTNICSVEQLIDWCLCNQHEFIANELRSKFVTVKIDNSTNEEMSSSSSI
CRSNTCNYYD TLQSRKRDLCLIASNGRGSNAGHEDAISITAEQVFELLAGVLGYHFGFR
GIRDARRKLAKMVLHLYAESFESER

>comp5159_c0_seq1; 273 1 1195 LEN=1583; translated
XMACSKRTRPVETSPASGRSARLSILTALLTSLCVTVCHGLSPQLHG VADAYNNGIVDRQ
AFLVDGFWSCSSIALATTTATTTSEIICDNGALMGELAVPGAYSSVCMGLPERAVPLPRY
RERMSKKQSPDAESTIVVQQNTGGSGNTGMTVWNSGLLLTRLLDTMVDELHRQGDGNGGE
SIFWRNQDVIELGCGTGLCSIAAHLRGAKSVLATDGNPRVLQLAEANIRKNCYNNSDADD
GATTNISASSSPPTIQAQPLQWGF LDAMDYSERASFMI GADLTYNPGSWRALAETIETV
LKIENDSIDPVTGTRVKNDRCYFLYLSVGHGDFNVNAEMDGF LSVAKEVGLVNL DGMVEG
IDVSRLLLARLSDSEKKILAQGGGVRVSVLGRKNSSRK

>comp5160_c0_seq1; 190 81 665 LEN=865; translated
MVGATSDSLTKPRQKRTHIEKSPVTSEEFMAGAPLTNEESISSSRNHSSSDESGARNFEG
WKNTGKLSYNTDAAFAGLVAGMLQIKRRREQEAVPISPALNERARDKKTISLWLRSNKA
TRNIRRNCNGCYEDQKNNDDVFC AQSQSCCSSTSSSICSWGLVRNEKKPKLWRENNKRK
ASPSLHKAKPSTTH

>comp5162_c0_seq1; 1024 1 2535 LEN=2552; translated
ASYGKMTAVDVAPGIVAVGTD TGS LHIFTYGGGRRVLRPYLSIPSPSNDMAIVVCKISV
GKEKVSFVAVYQRGRKTHRGAKT DGSPTPR TSSGVSCYDMPLPKGN SPAAVTAPSARHDL
DGRNVSSSSSLCDAVFNENENELQLCVARPDGLYTYSTTQKVDVSPIDGSKLAICLVPSPK

AAGTSREMVSSTGSGFVLVASTDSKSRRAVDLYDPHNKLVAFHLLSPGHATAIRAAG
VTTPPTRSADGSLQNGRSSAVVFTSGGSLVTLTEKETAQKVNLLVQKNLYSAAIFVAYAD
PSYETEDITLLYRRHAEYLYRKGEYSSAIEQYIHTIGSLEPSHVI FRFLDAPKIPLLKY
LEELRSRDLTTPVHNEELLRTCYLKLNDETESAEIAAFASSRSMDESLSTMVAKSPKDAFA
TICSFQAPEAAEALAVYGATLARLLPRETAGLVVSLCLGTFSPQKLADSQAAMNAKLL
LEQPVDDRDRACDPYPVHVFAFAFLENPKILRLILTHCNRNKCYLSPSLRRTLLELTLQE
WNQAKRTGDMEAERMRRKEAIAALTDSSHREIGDYDALVIVQLAGFEDGELLLYERLQMG
PMLLSRYAKDGGVKARRQMLAMCRNDPEISADVLGYFVNMVTERMALAEKEGVDDGEESD
DEVNDILEDIQDTLALAKRQGVLPVRIARILAGEGTGQFSGSSAEASDRSPVRTVPLS
VALDYVGDILDESKEISRLKTEVEDYNQLCNSMEAQIDALLNTSASASQORIATTQSE
EPSKQLSPRIHVEDMYTKVRLHLDKNDKQDNKADLSREAFWRDMDQSEDSFQTLARFFAQ
NVIQ

>comp5163_c0_seq1; 756 135 1769 LEN=2201; translated
MVAKSTSVPLLEDKSPSTKINDDDDSGNEGFPSDEDHLIHEILKNRSWMKEDIGSEDLED
DELEKEMEMLSVAEQEVSQEISDAIRSFQNLGAVNDRSRRKSDSRASRRTVIRTEGKNW
ETHYTSQEKPARINQEILQIRSKRKIHTSISNIRQVEIDAIERDTRDSVNESHPSEACH
GVYDIGNRDPPEEMLFIDDESDEEDSSNVIDSVIPHMSTNVKENENENEPESVDIYS
LKDFEGFDGSPFAQWHREEEGLSRQLPDLETGSNNFLEEEFFVGDIIHENTNKTAGENTK
DSGTNNSKKQQDANGSSNLEWHSEEDGLDWTWQRAKQISDLEWGKAELFEEFAFWKEGFE
TIPVPNSKIKTSSSSIRENDRNASSGKSHIPSASESRRSIEILALPTLEHHVKDIQDVG
AKFDRQPIQSASDESVTQSVHAPAESTLQIDFENNESIFQKSTQLFHSVIEDSPLICIEE
SKNDCSFAPEPTVLIIEAAVRGNEKPRKKQNHSCDLRTIILAVHVVLAIVGIIIVFLAFL
RTDL

>comp5163_c0_seq2; 756 135 1769 LEN=2335; translated
MVAKSTSVPLLEDKSPSTKINDDDDSGNEGFPSDEDHLIHEILKNRSWMKEDIGSEDLED
DELEKEMEMLSVAEQEVSQEISDAIRSFQNLGAVNDRSRRKSDSRASRRTVIRTEGKNW
ETHYTSQEKPARINQEILQIRSKRKIHTSISNIRQVEIDAIERDTRDSVNESHPSEACH
GVYDIGNRDPPEEMLFIDDESDEEDSSNVIDSVIPHMSTNVKENENENEPESVDIYS
LKDFEGFDGSPFAQWHREEEGLSRQLPDLETGSNNFLEEEFFVGDIIHENTNKTAGENTK
DSGTNNSKKQQDANGSSNLEWHSEEDGLDWTWQRAKQISDLEWGKAELFEEFAFWKEGFE
TIPVPNSKIKTSSSSIRENDRNASSGKSHIPSASESRRSIEILALPTLEHHVKDIQDVG
AKFDRQPIQSASDESVTQSVHAPAESTLQIDFENNESIFQKSTQLFHSVIEDSPLICIEE
SKNDCSFAPEPTVLIIEAAVRGNEKPRKKQNHSCDLRTIILAVHVVLAIVGIIIVFLAFL
RTDL

>comp5165_c0_seq1; 682 142 1899 LEN=2256; translated
MAIRKGGSSGETKVKPAQVAKQIKTLLKELPEIRADAARLDELRRVFTRLEAAGELTFT
VGAQSDSSANNVSTAKWCSFLRKSHDDMVSQLCERVKLGRHASIRCLWGVIAGSPITSV
SKVTNNTNRKGYKNSSSSSYKYVNADILKNWMRAMALQESSVMDKGMHRMIEAEFFSPY
RDIQYFSLGAISKIASSVYDGDDEDEKTKVGGKLELLMMIPVPSDDDLGSKQFLFP
PPSNVTPVDETEVESESEEEETDEESDMDSEDESSDTERLKEETLESRPKKRQKKESTH
RFSFQQTRMFRREYKKAWLAVLRPLPVASLKKALHVLQPQNLNYVAQPLRFADFFMQAY
SDHSSGIIGVLALDGLFLITKYGLEENFYTQLYKLVSSRLMYAKYRARFYSLMTKCLV
LNTMLPAHLIAAFIKRLCRCALSAPPSALFALALVSNLLKKHPECYCLVQRKEGMEIED
CFVADVDDPVECRALQSSLWELAVFERHYPAVATLAKSIGRAEEDQAPLYNIDEFASHT
YASLFDQEKKKKTALTFFKKPTSLFTNDIFFGCVETGDTEKEN

>comp5166_c0_seq1; 406 1 683 LEN=683; translated
XNIVQRIFCLHNRNDWQNTAARATAKMKFYSFLISASYLGFVTEASAGSGATRNPVGR
GATRI PDDINRSLKSDKRIAKVGTNLVNGSVMPRQKFRGNNAMILDEGKEDDEGSRND
NMILDEAKEDNGGGFGSSI INKKKENEMKNKKDNDEEDKKNNNPKI INEDEDTSENEK
NNNKEEDKNNNNQEKNNNKEEEKNNNGNKNNEEGMSKEDEKNNNQ

>comp5167_c0_seq1; 706 190 2364 LEN=2852; translated
MITYNRSAFGWRLIFRAHGSAYRSVLPMSISVLAFLYHKYNTYAGFAADDVLHPYAI
GVLVSSSTFLIIFKLSQSYNRYWEACSSTYQFMSKWL DATSHTCCYHMQCDHYNDIKPPS
FYDYPELNHLNMTRDRERSHTHSIHVDDEETKDDNNVGLRNRKQSQTQTSAPTENYPPM
PSRKMFSARSLSGSIRSDASSGEYGRNAPKDLKGRSTEEKSKEYKARAVAKSINKTSSHR
SLPRAESRRAWAKEYSKMSTFSESIRTYNLDVSRDMMDESEDEIYEEGIFDEKSLEPI
LVGKPRMDGNWGEYYSKKKKKLSTFMDPNPNKIDSKGFASMQGGRTPPLFIQELAHLS
SLMNAVALATLRNDKEESESPLSIYEPGSPWPEVDPNNEELLKQTGFKAFFTALKTFLGV
GLSKEERSEHNAQPLPVIGGVSDAEIHFLQLARGASAKTQLCFNWLTEFIIREHLAGTL
GDVGPPIISRIVQFLGDGMIYYNHSRKIMFIPFPFNHAQLSVIFVLFIIIVVPFLMHQYT

DEPAVGALLTFLTLVCLQGINEVARDLENPFRNFPNELPLVTFQAQYNEALITMYAGYHP
DFFWNGDQVLRMTQSKSKKQGLSKPNGSKSLSGSNGLQSIDSGFSFAGENTPPTS
SVNAPAPVTNSLGNDSDEVAFMKRELEMQAKLIEQLFAKVGSTGSSFDELLPRAGATGLHEKDGA
PAKK

>comp5169_c0_seq1; 223 283 942 LEN=1069; translated
MYQPHRCTEGVHVWLLSSMADEDGVSSSKCISISEKNRNRNRDVLVCQACIAATCISIAFV
FSPKPAVADVTKIASSTALRALKRAQDQLPTKLLPDAQANNFVGIKARLREAPFDEFK
NALILVRGGEDGPKASELLRAYKLIASLEAIDATASLGMKGRKVDPFQLGLQYEDVAKA
LNSFLEVGAAYAIPLQEAPSMQESLRYGSIDTKVLKSE

>comp5172_c1_seq1; 467 1 1763 LEN=2447; translated
XGLRSAEGPPRAASTTASTAATSSLTVAHSMGGIVARRVLEQQQQQKQKQKQKGY
DSGDGSDFRVHQMITLATPHSNPLYAFDKSVADYYQKWLRFPPRHGESENENDNDNERAP
LMVSI VGLRDEMI EPAACYLDGPNSETILATKLLSSGPRPSDANQETTTAATPTKGLGM
DHRAIVWCHQLLEEVREILWSFIDTGGTGSRDRLHGSLERFSGGSNNDQQSSVRFARDLE
ELNQDLVELFGSLASVCMQASMLYNLPYLLALYAVLVVLSCAVAAPSGSVVFGTPALPP
TELLPLGGTVVLGWVFRGGDLLGSTTLLILALVADSVRLLLVHLLGKLCGRDHKPRSRNPF
RTLGRALLSTVLAVSFLSTGAFCGVQRFSGSEGLTEFLALWAPRDLVAFVVYCCVATSICT
LSLAGMGCACDDRGGAFAFEAHLVALVVLVVPFLAAGPLALAAWERGTRPSSWWTLLSLQ
VPVGARALLRAASSAARAGNGKPRDRGARTTGSPGGRPRANPGTPRDFRNRKLSLARSAA
LVLAACWMCREPLLSRGTGYLVPQMAEVLVWVDAVYVVAAGNAS

>comp5174_c0_seq1; 600 219 1543 LEN=1614; translated
MASGLAASIRGSTESDTFDLAGQTPATVTTNITQAFKDPFPIDEMIRITFVTGAGKLRQ
KYDEGCAKAVTSSLRALGFDEDRAASCVRECAGLFLQHDTGKNLKTVVVFPRINDASDP
GGGDDNEGGGASGSDSLLLRGSGXGGDDCPVPDQHVSKPLEESLSFVEPEKGCNAAISD
IQRLVSSLEERLMEGVILDDNEQAFYDTMSVDDLKEKHNI VKEAMQKQVETDGNITPEEH
KQLLTQVSDRLDTINADLEAAK IENKPKKA EKLSNMKTKVQQRQAMLK ITPKNPAPLRY
QSEIENLNVELIPLKLEDSTKGRLLSVKETKTARKDEILEEITQLENDSRGWFEEDAS
FALRVKSKAAAKQASKASAKKSSSTS AKKSSSTNTSAWSSSSSLGRRPVAKARGKVRGAK
KKTSGGSGGVFAAMMDDSDSD

>comp5175_c0_seq1; 121 1 485 LEN=730; translated
EXEAAACPLPAPREAPSRRTALHRREGNASARGIDDLSPSRRRDLKRPRHGEAHADATLS
SAVSKSLTLDERVVGREREQQQQQQHQQQQRQHPGSASPGGSGSPNLISPSMSTQSLGH
ARRHGTDAAASLDKKVDMSALSGLAALSTAFLKLEDDDGSP

>comp5176_c0_seq1; 929 329 2893 LEN=2971; translated
MTERRASALRPSTRGSGGLVNGNKIQNVSFSEDPMDHIPKKAQELRLSSPSNGSSPRRTS
FLKRKSKSSKDNKDTSIATNGKENNHKAGGNSIEIKLKNPTGSSGASSPRKWSRRF
KGFSLFGGSGDQRNGYGTLNDSSNYENDGEVTTAVEVDPVMTIFESRNTQVRVFTLAGDS
NESVISGGGLSRNSRDHQNTKRGESSKNANS GSGSTGNVKQFMSRALFWSKSSSKLSE
EEMKREAKELGCGPLIWESAATPTGPEVIHTKNNRNNNQKRNQKTPELTVSFTEDPKARA
AVSKILAKASSAEHVHFRYFYAVKCYLKALTILOKQAKYPDDHPTVVKTVRLMNAHNVL
ISYKNSANIVKMGIKNEDAGELVKALKMYTIA YRIRRDNL SRNHP SLVLLNMLGSIQIK
RGELLEAMQIYELALSDDSTVVPEAPTESA APRHQQQQITTKDRNLLAKSVTFREMGTIY
EMWGNVDEALKFFHKSLCEVAEWRESVRSYKSRNRIVKNTDGGCDNGNDDEKSGSISLR
TSSTESQHYSIDIVQTVSSNIGDSEMELVFGSKGSPKNCSESNKSRNKYERFFFNEIDL
KAKDGVKNSDENSHADMDLSLTLHQIARLYCSQKGFDRALDAYEAALRGMKTALGKHPN
VAVLGNIGNLQKEMGDLDAAYKTYQEVGLGIESYRLGLSHPDVAITLHNIATIDAARGNY
QHSLQLYQKVIGLQKQLFGEDNISVAVTAACMGDVYEKIGELKSSMSTSFDEAVRIKSSVL
GRHSLEVGRLLHKLGLSFLSTDYVEAESYISRTVLIYRLNKLDEHHEWFVDANRDSADI
DGALALGVADQCEI

>comp5177_c0_seq1; 221 181 882 LEN=1364; translated
MTDVTLEEVWTEVQQRKADATGEGDGNDSSESPPLMNLKNGYTTDEASQVRESVHEDCF
NVVPPPVDCPAWLCIVLPCINHLKSMKAHKNCIPEDA EVLNRGRWIRYDAASLVLDGDIR
LEEGDVVPADCVIAADEGELLVDL RVVTGQSRPKQVSGINAKRRDQRTLLFGGTVVQGHA
TALVTAIGTETTLGQLIKNGRFPVPEKESDDMEETIMLTEDSTMRMEMGTMS

>comp5178_c0_seq1; 546 99 1565 LEN=1736; translated
MGKRSLEEMTTSNDDTTKMKDTSNKSSDGDGDPMDVDDQKAPPASKLTIPPRGSLDTL
LNRPSPFANE GALPIGEFEP TENKASALLSNARVLVVGAGGLGCELLKDLAMSGRFRDV
HVIDLDTIDVTNLNRQFLFRQKDVGSSKA EVAAAF INERCPWMNVQAHHGMIQDKDPSFY
AGFNVILSGLDNVEARRWLNSTVVGLEVEDDGDPTDPE SIVPIIDGGTEGFSGQARVIL
PRITSCFECSLDAFPQKNFPLCTIAETPRKPEHCIA YASILLWPKEFPDKKLDKDSPED

MKWVYERALERATRYNIEGVTYMLTMGVVKNIIIPAVASTNAIVSAACVLEAVKILTFCSQ
TLNTYMMYMGSEGVYSHSFVYERKDDCPVCTSKVRTVTVSRRTTLNELLOKLCENNGSGS
LNLRLKAPSMTTAGKLLYMQKPPALNASTKPNLDKALSELVAEGEEIAVTDVPLQHTHLS
LAIAFEPE

>comp5179_c0_seq1; 335 1 1020 LEN=1094; translated
VLNHNVPFRPVYVHFLSANTQLRKYTNNGSRRHYFCSTTSNHNPRESPGVSIMMVPPHNA
HEDRSAIRQALAILAQEGVRLDTSELGYELDSFVMDDEIQSRQRQKQRSRSKSPSRTRNL
KNKKSLEPPTQSRVYEDGVSSTSYSSSSTSSSSASSNREVGKAKRSRSKVRSRRTSP
KRPELRETPEETGEKSVRFSNYDHTINVPHILDFTPEEIQRCWMDEEDYRSIRTRSLALI
EMMEDEKKYPIASADYMIVNKHLVCRVGLGEKTTQCTRELERVQRKLYKSVFRVQEEELREE
GIIDDEAIRKASRKYSKKSIIKTARFVGISDEVNVASKFG

>comp5180_c0_seq1; 194 434 1169 LEN=1169; translated
MSVSVNAIDARDEMLKTIAEANNLCIHAQYHYQRAASADEDFYRIEFSALFDDKSLKLNLS
AVEEATIGTAKLQRAFSLIHQNSYLNHRFPVLMSPAGSIHTEELERLSSAVFLGNNTCDQ
KESLYSSMMQFVRKREQLSIHQSSLAAVDVQIRSGPAYMTYNTRGAGRRREHPVNYFVP
DSPQQVQPTACTNIEPIPIPIKITHALIIISQKHMYSIPIRDESQVGEDKLEETNTVQSR
SHPFA

>comp5181_c0_seq1; 656 153 2000 LEN=2647; translated
MMKRCLLSRSFRRHRQGSFASKGFDLLRFLSSSQPTSDQEGGEKVFIFYSSSGLPDFIE
EWRDRHKFRKVGYGLAAITAASVCNTVMIFEEQTVFFTAGFGALTASYWIIIGKRDMEQRSQ
TIRRNFPVLGNMRYLLEMIRPEIRQYFVEGDDEKSVPFDRNHRAIAYERSKGGAPATIAFG
TRRDTEAIGYEWVNHSLYPTSLKDKQVRVLIGGNNPDCIQPYSSLLNISAMSFGALS
AILALSSGAKLGGFSHNSGEGGISEHHKKGADIVWNIGTAYFGCGKFSENGVRMFDP
FAENSEHAKMIEIKLSQGAHPAHGMLPKEKISPSIAEARNLKYVPEQDCHSPSRHNAFN
NSIELCEFIKELRDLNKGKPVGKIKLCLGQPTFCALVKAFLETGIHPDFITCDGGEGGTG
AAPPEFSNSVGTPLTEALS FVHAVLVGTGLRDPTEKSKSKIALIASGKVLTMGSMYKNFA
LGADVNAARSFLFSLGCIQALKCQANTCPTGITTDPELSWGLDPSFKQVRVANFHKAT
VEACIELMEATGIESWKKIQPMHVTRRVALGKSKSYEEIWEHLKVPKGGLEEGIGPDSLL
QVWKNSDVVSQAASI

>comp5183_c0_seq1; 747 1 1478 LEN=1520; translated
XTFVSKLRVDSGKSTSSKLLFIDLGGGKRLGGSALATVYSQLGNEADLEDFATLKKAM
EVTQDLIDKRSILAGHDRSDGGLVTTLLEMAFAGNCSIDVTIPSSSTGTEIDTLFNEEAGL
VIEVAASDVESIMKAYSASVPVEEIGTVAAGDSIKIAVGSSAPCIESKMTVLRDVWEAT
SFKLEHRQRNPKCVVQEEGLKSRQAPQWKLTYEPKPTDDSIMKSETKHKVAILRQEGSN
GDREMISAFLSAGFDAWDVHVKDLLDGTVSLEQFRGIVFVGGFSFADVLDSGKGWAGVIK
FNESVYKQFQDFRNRPDFTSLGVCNGCQLMALLGWIPQKGLPEERQPRLLHNESEGKES
RFSSVAIGKSSAIMFKGMEGSSLGWVAHGEGRFFFPDESVDHAVKKNQIPLRYVNDTN
EPTEEYFPNPNPSPGGMAALCEDGRHLAMMPHERVFTTWQWPWTPSDWKDLKAGPWLO
MFQNAREFCDNN

>comp5183_c0_seq2; 1739 101 4054 LEN=4096; translated
MTEKIIHYRKIDTSHSLPSCKEQLASLGLGEDADKIDTVERESCFNVQLSIDGDLEPT
QKDRLEWLLAETFEKNHLKLEKSFDEESSPGKIWQVEFGPRMTFTSAFSSNATSIKAC
GVPVERLELSRRYRFLSDDISDTAIKELKMLHDMTEEEYDKPLTTFDNGAQFPVET
VPIMTEGRAALEKINAEGKLGDFDDFDLYTNLKFKEKLRDPDTECFDMGQSNSEHSRH
WFFGGKMVIDGEEKEDTLFKMVKATLPKDVPNNSIIAFHDNSSIEGYECDNLRPSSTTQ
AGSVKVGKQTLHPILTAETHNFP SGVAPFAGAETGTGGRLRDMATGRGAYPVAGISSY
VGNLQIPGYELPWEDKSFVYPSNLAAPLDIEIKASDGASDYGNKYGEPVIHGFTRSFGQR
LPNGERFEWVKPIMFSAGIGQMDGRFSEKGEPEKGMLVVKIGGPCYRIGIGGGAASSRVQ
SSENADLDFDAVQRGDAEMENRMRMRACCDLGDDNPVSVHDQAGGNGNLIKELVEP
IGASYDIRNVNIGDDTLVLEI WGAEYQENGLLLRPESRELF EKMAERENCP IAIMGEV
TGDGKVVVHDSMDGSTPVDLPLELVLGKMPQKTFVDNRVKMDLEPLKLPEDTTVMSALDR
VLRLLSVGSKRFLVHKVDRSVTGLCAQQQCVGPLQLPLANVGVTAHTHFGITGTATACGE
QPIKGLIDSAAMARMTVAEAMTNI VWAKMSKIEDIKASGNWYAAKLPGEAKMWDACVA
LRDCVLELIGIGDGGKDSLMAASCDEVTKAPGELTMTCYVTCPDVTKTVTPDLKCPAS
GSKLLFIDLGGGKRLGGSALATVYSQLGNEADLEDFATLKKAMEVTQDLIDKRSILAG
HDRSDGGLVTTLLEMAFAGNCSIDVTIPSSSTGTEIDTLFNEEAGLVIEVAASDVESIMKA
YSDASVPVEEIGTVAAGDSIKIAVGSSAPCIESKMTVLRDVWEATSFKLEHRQRNPKCVV
QEEGLKSRQAPQWKLTYEPKPTDDSIMKSETKHKVAILRQEGSNGDREMISAFLSAGFD
AWDVHVKDLLDGTVSLEQFRGIVFVGGFSFADVLDSGKGWAGVIKFNESVYKQFQDFRNR
PDFTSLGVCNGCQLMALLGWIPQKGLPEERQPRLLHNESEGKESRFSSVAIGKSSAIMF

KGMEGSSLGVVVAHGEGRFFFFPDESVDHAVKKNNQIPLRYVNDTNEPTEEYFPFNPNGSPG
GMAALCEDGRHLAMMPHPERVFTTWQWPWTPSDWKDLKAGPWLQMFQNAREFCDNN
>comp5184_c0_seq1; 445 117 929 LEN=1026; translated
MKIYIPIISFLAVASAFSTTKRCPSSSRVATESNTFLFAETSPSDATADKKKPMTPKEVE
AQLKARRELGEASTHPKIFSDLLDDMKEILLILEKRIQEGPGSIGAAEVDNFVGMASKNV
LDEMCKQKEYERLEDAKSPPAEPSPAATAAVSTPAPVIPTSEAIASGKNESPEDDEFFNP
DDMSEGGPGYSPDGGQGSIPKDTTNTYVIVPGMDEMSPEEYQKALQKSIIDRQSVRKSSGT
YGNRNTWDYLNGLSGGTDPPVVLKQDEDNLEN
>comp5185_c0_seq1; 498 67 1002 LEN=1390; translated
MSNDPELSKLLDDNEYEDVEIQNKKTPRVVKGRVISTNPSPTSANGNAKKSASRCRLPC
WCTCLVITIGIFVLFALVVLGFAYAGLRDVVQHLTIETDSPKKFPIVDMSPLELRIVKDR
ITLFAEQVAEGATSNLDDLVVTQDEINGFISNSEYLVQGHMMITLKNLYEEYSLEPMDVF
GFGGRYFEGNEYLALDGAATDKKENTIEMKTEIAANPSDWFDPGLFFAQLQYLVTKNEDG
GQGVLELFLDKGTFFGQELTVDDHENLLEGLYNTHFDDDGVEYIAEVIKIGIGSVSIEEGQ
IIVKPRRTTKN
>comp5186_c0_seq1; 451 225 1424 LEN=1441; translated
MISFLLSIAGIIHICSAFSVHTPTSRSLSSRPLVGFETIERHYHQPTELRSSALSSNGDL
LPGISVIDDTNGVIFQQMEILQDSLYFRLFCVDILASCEYMPQELFECYSETCEVYPVDD
EEVPENIREVDFREHDFELDGWARWDMPSNDYYDLEEFPEGYTGVDGSEVWQFIHDKIGF
TGYDYDDNHWKADFNKAVSGIHSLSVAQVTKGIQDKIDAGEEFTDDEVWRDPKVEFDRRL
GRGGEQPMAMENLYFAYMLFLSAAAKAKDKLLADCDNGSIDSESSAILKGFLELPILCDP
AVEVAAKKLHDHAMDSQNTLWEARMRTRDLLRIMNCVQCNCRLHGVAMLGGLSTALQIHL
LGRTGEGGDPNRIHRVELAALLCTIQKFSKAVEFCKESR
>comp5186_c0_seq2; 223 1 970 LEN=987; translated
XTRRYVWSNQXFIKLSLRPCIFVVCRVIIHIAAPGDWSSHFFAIFSQVPENIREVDFREHD
FELDGWARWDMPSNDYYDLEEFPEGYTGVDGSEVWQFIHDKIGFTGYDYDDNHWKADFNK
AVSGIHSLSVAQVTKGIQDKIDAGEEFTDDEVWRDPKVEFDRRLGRGGEQPMAMENLYFA
YMLFLSAAAKAKDKLLADCDNGSIDSESSAILKGFLELPILCDPAVEVAAKKLHDHAMDS
QNTLWEARMRTRDLLRIMNCVQCNCRLHGVAMLGGLSTALQIHLGRTGEGGDPNRIHRV
ELAALLCTIQKFSKAVEFCKESR
>comp5187_c0_seq1; 572 1 1276 LEN=1276; translated
XGSSRLECSADLKPSPKIQEKLITPLIKIPILYIDTGILVERKVLHGMDDDGRGDIVHDW
SAFRDDNGEIFYHNSKTDETSWDPPPDPNAPFNPVETKEGEDKEDKNKEEEEKTTATARDW
VEYMDDEKGEPPYFNTVTQETVLERPPGFSSGEEKNOEKPELKEAEEAVPAEENKASVP
ATGDWAEFQDDEGRTYYYNEKTEETSWDPRPAGFKPKGKEDVDGNQNLISPGYSQSPALS
KSEDEKKTTKGDWVATQDEEGRTYYNEKTEETSWDPRPENFKETDSKKCSDKTNANGTS
PMRNVPGNEEDGTDEENKTAEDWSEVQDDEGRTYYYNDKTEETSWDPRPAEFRVNAKNGND
QARGEHEKEGEVAEKKEETDISAKSKAHASDWVATKDGEGRTYYYNEKTEETLWERPAGF
NPENEX
>comp5188_c0_seq1; 538 268 1293 LEN=1329; translated
MSEQFDVNSPTLNRVFMASHTDHLVILMNAIATSCKLITSVQRAGIANLYGLAGEQNS
TGDDQKLDVLANMMINALVNSGVCVSVLSEENEEP IIVPPGKAGKYCVAFDPLDGSN
IDCNVSVGTIFSVYERRPGSNGTVEDILRSGADCICAGYVAYSSAVEMVFTFKGGDVHGF
CLDSTIGEFVHTRVKMLFPETGGKKIYSCNEGNSRWDQAIKDAVEIFKDESNPYAARYV
GSMVADIHRTILYGGIYLYPADVKSPKGLRLLLYEGIPMAMIEQAGGIASGMFEGKIQ
KVLDLVPDEIHAKCPIIMGGKRDVQVVYDQFAKHGADVPTL
>comp5189_c0_seq1; 595 98 1135 LEN=1308; translated
MSSWFQSSGLTSAFESLNETVQAVTESVQEAIPTEHKEFLSKLTLNTDEMISERKNYKDE
EFRKAAAKDRLNRILPWETLDAEREILVEECRDAILELSETEETFFGPFEMPLLNVDLVS
QETLEIGDETNGDEEEEAQESAAGEEDSGFVDGTSFVGEENNRTGVSEESQEMLAKLEPLP
PLLEDFDLDEHVGLIQRVLKEDPKLVMMQAKLSGGGARERIFWRNYFFHCAFTRYKCGLS
LDEIWSHQEESSTTKNPSDTTSTEYGDADVSTPVPDDVEEEAIFDNTNVQDETKTSES
SSDGLDGTGNTCSFQLIDEDLDEAGGDPPELDELEAEIARELED
>comp5189_c0_seq2; 588 98 1297 LEN=1470; translated
MSSWFQSSGLTSAFESLNETVQAVTESVQEAIPTEHKEFLSKLTLNTDEMISERKNYKDE
EFRKAAAKDRLNRILPWETLDAEREILVEECRDAILELSETEETFFGPFEMPLLNVDLVS
QETLEIGDETNGDEEEEAQESAAGEEDSGFVDGTSFVGEENNRTGVSEESQEMLAKLEPLP
PLLEDFDLDEHVGLIQRVLKEDPKLVMMQAKLSGKYQYGVFFITTCFVCIDLLYNFVSR
CFFSRTKIHLMLVNYFSSIDGYLFFDSSGGGARERIFWRNYFFHCAFTRYKCGLSLDEIWS
HQEESSTTKNPSDTTSTEYGDADVSTPVPDDVEEEAIFDNTNVQDETKTSES

DGTGNTTECSFQLIDEDLDEAGDPELEDELEAEIARELED

>comp5191_c0_seq1; 598 314 2549 LEN=3224; translated
MQPTEESHQENILEISAVEVEYSNASNQKGTITPSNSSDEDEDGNTKPKNDYKDYERDPF
FAFVPQLARWGCGLLANEGRIVQKGVLSAPGFTKDFLADTYRYYRENPRILYKEIVSGFT
VAIMQVPESIAFSFVAGVPPPLSGLQATWWMAFITGILGGKPGMISGAAGALAVVVTKLTA
SDGVLSYLTVEERLNVLYMTMFVCGLFQIGFAVFRLAKLVRLIPETGMIGFMNGLAIIIF
MAQLPAFQYCTSEPLFIECEVDERQWLTFFGGQPVELSLVLVHVAMCMAIMHFFPKIPKIG
KLIPASLVGLLVGTLIEWTLFRKVIQGGTRTEALGILYGSRKSAILSQRKKDVANSLEFFP
FIQVAETAPIAGAPPKFDWPTIPTDGQTIQTMLLFAIQLAAIGAVESVLTQACNEITDT
VPKISDSNQECSFAQGLANLVCGLFRAMGGDAMIGQSTINIMNGARHRVSSTMSGVFMLLF
TLVLSPFINLLPIATLTGVLFIVVISTFQWKTFFVILRYGRSLSVAILLVTIVAVFTNLA
IAIAAGIILSALVHAWDSGAHVADVELKDMIINGKRVNGVKYVHIRGAIFFSSTRKFVN
MFHIGEDPDTVILDLDKDALVIDHSAVAIQGLTHRYGLAGKRVIILNIGGKCVGRMRRTH
GDHDKFHEQISHKVQDIECQMKADNGSESSDFESETASIKNKVRDLQDLKMFQTNLDGID
KEIEKLGREENRYSVQSLEDKKS

>comp5191_c0_seq2; 614 314 2452 LEN=3127; translated
MQPTEESHQENILEISAVEVEYSNASNQKGTITPSNSSDEDEDGNTKPKNDYKDYERDPF
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VAIMQVPESIAFSFVAGVPPPLSGLQATWWMAFITGILGGKPGMISGAAGALAVVVTKLTA
SDGVLSYLTVEERLNVLYMTMFVCGLFQIGFAVFRLAKLVRLIPETGMIGFMNGLAIIIF
MAQLPAFQYCTSEPLFIECEVDERQWLTFFGGQPVELSLVLVHVAMCMAIMHFFPKIPKIG
KLIPASLVGLLVGTLIEWTLFRKVIQGGTRTVAETAPIAGAPPKFDWPTIPTDGQTIQTM
LLFAIQLAAIGAVESVLTQACNEITDTVPKISDSNQECSFAQGLANLVCGLFRAMGGDAM
IGQSTINIMNGARHRVSSTMSGVFMLLFTLVLSPFINLLPIATLTGVLFIVVISTFQWKT
FVILRYGRSLSVAILLVTIVAVFTNLAIAIAAGIILSALVHAWDSGAHVADVELKDMI
INGKRVNGVKYVHIRGAIFFSSTRKFVNMFHIGEDPDTVILDLDKDALVIDHSAVAIQGL
THRYGLAGKRVIILNIGGKCVGRMRRTHGDHDKFHEQISHKVQDIECQMKADNGSESSDF
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>comp5191_c0_seq3; 544 314 2658 LEN=3333; translated
MQPTEESHQENILEISAVEVEYSNASNQKGTITPSNSSDEDEDGNTKPKNDYKDYERDPF
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VAIMQVPESIAFSFVAGVPPPLSGLQATWWMAFITGILGGKPGMISGAAGALAVVVTKLTA
SDGVLSYLTVEERLNVLYMTMFVCGLFQIGFAVFRLAKLVRLIPETGMIGFMNGLAIIIF
MAQLPAFQYCTSEPLFIECEVDERQWLTFFGGQPVELSLVLVHVAMCMAIMHFFPKIPKIG
KLIPASLVGLLVGTLIEWTLFRKVIQGGTRTEALGILYGSRKSAILSQRKKDVANSLEFFP
FIQVAETAPIAGAPPKFDWPTIPTDGQTIQTMLLFAIQLAAIGAVESVLTQACNEITDT
VPKISDSNQECSFAQGLANLVCGLFRGKLGASRAVQRDSLADGFARMLRHNTKSNXAVVTS
YSAMGGDAMIGQSTINIMNGARHRVSSTMSGVFMLLFTLVLSPFINLLPIATLTGVLFIV
VISTFQWKTFFVILRYGRSLSVAILLVTIVAVFTNLAIAIAAGIILSALVHAWDSGAHV
ADVELKDMIINGKRVNGVKYVHIRGAIFFSSTRKFVNMFHIGEDPDTVILDLDKDALVIDH
SAVAIQGLTHRYGLAGKRVIILNIGGKCVGRMRRTHGDHDKFHEQISHKVQDIECQMA
DNGSESSDFESETASIKNKVRDLQDLKMFQTNLDGIDKEIEKLGREENRYSVQSLEDKKS
S

>comp5191_c0_seq4; 560 314 2561 LEN=3236; translated
MQPTEESHQENILEISAVEVEYSNASNQKGTITPSNSSDEDEDGNTKPKNDYKDYERDPF
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VAIMQVPESIAFSFVAGVPPPLSGLQATWWMAFITGILGGKPGMISGAAGALAVVVTKLTA
SDGVLSYLTVEERLNVLYMTMFVCGLFQIGFAVFRLAKLVRLIPETGMIGFMNGLAIIIF
MAQLPAFQYCTSEPLFIECEVDERQWLTFFGGQPVELSLVLVHVAMCMAIMHFFPKIPKIG
KLIPASLVGLLVGTLIEWTLFRKVIQGGTRTVAETAPIAGAPPKFDWPTIPTDGQTIQTM
LLFAIQLAAIGAVESVLTQACNEITDTVPKISDSNQECSFAQGLANLVCGLFRGKLGASR
AVQRDSLADGFARMLRHNTKSNXAVVTSYSAMGGDAMIGQSTINIMNGARHRVSSTMSGV
FMLLFTLVLSPFINLLPIATLTGVLFIVVISTFQWKTFFVILRYGRSLSVAILLVTIVAV
FTNLAIAIAAGIILSALVHAWDSGAHVADVELKDMIINGKRVNGVKYVHIRGAIFFSST
RKFVNMFHIGEDPDTVILDLDKDALVIDHSAVAIQGLTHRYGLAGKRVIILNIGGKCVGR
MRRTHGDHDKFHEQISHKVQDIECQMKADNGSESSDFESETASIKNKVRDLQDLKMFQTN
LDGIDKEIEKLGREENRYSVQSLEDKKS

>comp5192_c0_seq1; 214 1201 1803 LEN=2148; translated
MQSNNQSRNLRLHQSQINAYRKAANQAIKDWALSVPLQPMEEHTDKTVFVERCIAAISTA
APGTNALPNWHLSTAKATATTEIRRRATAIYEKYHPVEEADEGKNNGSGTANASEAIAVE

NGAETEDGEATSDGISDDDDGQAQTSKLAAGKSNQPNRNKKGSGQKI IATRKKGTNAKGGP
RGIRGGRGIRQGGRRGRNGK
>comp5193_c0_seq1; 294 88 1002 LEN=1172; translated
MTIAKSLEPYVCGGTAATFGSCCIHPIDLAKVRMQIFGQINPGKVPVGFPTIIKNMIASD
GVTSLYRGLDAAVGRQMVYGTARIGLHTKFSGMLVEQNNQPI SFVQKAASGMASGAIIV
SIGSPFDIALVRLQADGMAKPEDRRNYKNVFDALIRTAKEEGFGALYKGVLPNILRGMMS
NVGMMSCNDQFQEMYAGLLGDPMVGGPQMPTRILASLSAGFTAALFSMPFDLIKSRMAQ
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NAFD
>comp5194_c0_seq1; 434 92 808 LEN=1462; translated
MSNKRKAWNEAMLSAAGSAALPKALQPRTQKRRSDRRKKQDRRDKARKTSVLHSSESKEF
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QENSLPKRFKARSMANILLEEVNRDDGVAYAWLADEARDLPQTNSSSGRRAKIPRLPARK
FCSVTGMEGIYTEPKSGLPFANLKALEQVRERPPPWMTLAGSIAVHEAVKSIRDEGEP
>comp5195_c0_seq1; 331 70 717 LEN=961; translated
MRMPVPSYSTSPHHSYNAPQRKLNRSSTFKDINQSICNIDRTASENSINPRLQFGPRVTY
NPSKSSSTIDRSVSENNISPRGRFGPRVTYKPRKPVEETRPECLRMFHETMPETKYLDSEE
ECRLAASVYGFGEALESEESSPEDEKKEKKKSSSKKSKKNDRGNKEGIKKEKSDKSKKKS
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>comp5196_c0_seq1; 218 74 728 LEN=838; translated
MTAIAPPPPTTTTNTASAKSNPSPHKRIHHETIIDAPIELAWAALVDVEDWSWNKWTRLE
LPEGEGPPSPGKTGTLRACYEGDRSWESFGFEFAAVDDGSGSGKHKGNRRTLAWKGSVG
AFGPFCLFRGYHSVSL EEAADGSGRTL LVHKEDFGGLLPALRMGLPYKTLDRNYRLMNES
LRDFVEARHRETAARPSKRAAAAATRS GAEGCEYYHYW
>comp5197_c0_seq1; 358 933 1550 LEN=1993; translated
MTYFDRATGEKVNASKFLIFQYMFARRSKEIGVTLVMFLMGIALTCFLGYHIYITSMGQT
TNENSKWGDVKKWYKAKQKMHRAAVEEAKVNPFFETSTNSERSTDIGNAHGDSEKQESQES
FDPGP IPKNLYNRGFVENWKEVFFPLSLRKDALERGGYTKAAILQKQKQQQERISKEAEC
PTGSLCLADGATNSSSPRSDKPKDV
>comp5198_c0_seq2; 215 1 1065 LEN=1205; translated
TRVIVKRVVRDDFNCLQFMKARRWDGASNI PYNDRNTNSAPFLLSAKRFPTKMGGIVSTL
AFPSPEKEWSKADLLQRKRLDQLVFLKTRSGYRIPAVHIRRDEDETKFTIIYSHGNAEDVG
LSLSYLDNLSRCCDCNVLAYEYCGYSISEGEASEKNCYECIDAAYRYLVEGKREPFEGNK
RVSAQTSIPVDPSRIVLFRSLGTGPTVDLAARLLSRTGESRCIAGVVLQSPLESAGRCV
LGEFASCALYPLDLFRSYEKIEKLAPVPVFMHGVDDKVVP CASGRALYTSLTNERKRRQ
ALKRKNTTKNDIEGKPSVEYSPKWIAGVGHNDMPEFECMNDVAKFLNFLEQRRR
>comp5200_c0_seq1; 301 1 778 LEN=928; translated
XPLPSSLPVRNTHCNEIRIRARTVLDMSPTPSNSSAWVALTAFAAGAATALVASKILSGN
KTDKRNAGATIEGEDLSLFYGDVEELTTITPSRKFLPEELYGNLVRDCIVFCVDIVLVRT
SEGKKECLLVKRSSEPVKGAWWWPGGRMLKGETFFDAAERKARQETGLSDVTCVQVLGI
WNTFFPTS NWDTDADKGTQTVNAIVLVELNSGGDVELDDTSEECRWIPLDPEVAEANGED
KYVLQGLLR LKAWNPSYAK
>comp5201_c0_seq1; 732 63 1841 LEN=2102; translated
MGLGTTKRWRIPRRS KSKSKAKKESDDDDAFPTSSSESDDEPSVLEEKALPASMSDVEDS
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HSKQQSDHNLYNIVRSNQQRDIIDDDDFSDSDSDEEFSNYEEDMERHRQETRSSPFMSD
VLHKIEEESHDDIDRRNSED SKGQSNEEQSKSPNNDNTDEAGPPQNPQADKTAKKQKHK
TAKKRVYKDRAGNPLILPSHRELSKELCKIVATDHYSGAEFLRALERLAEWAHTQDTNLL
KHFLTYGGVVKVVDLREQIEDPRCEGEFLMECIHKACDVICNVCFVGKFGINEDIAVNV
ATVVVKYEGIE TLLMASNEYNEANKDHPLALKA AEGVWNAIMNVYCNAETAMTKKLSMLV
LDAGLQMLARIGSVDHPVAAETIANVFNTFYRITYHYGYVTNEEFQKLDILTHCLDVFKRD
VTSSDGDEELLEEAISFFYGCHEKTLFGKSSDYERVLPLCVMGLREFAYDNANIREWATK
LLDGACSNIQKKE TIMMAEGAIEALAPLLTAKDVDTAEKDEVKLRKIIAA
>comp5202_c0_seq1; 306 403 921 LEN=1348; translated
MSQSRAKKNPPPAQPVPVLPVNSDVLQEDLQGEAPNSTRVQEKVNVAECSAGSSGEDCS
CASNSDANSIISLDEYMSTSEEAGAVSEKNIRIAIAVHFYV LGAPPPSEWKERTITTI
AKAFNQNRKAFRNTIRSVIENVCRCRSDGKKTGDRARIASGRKPILKSDS
>comp5203_c1_seq1; 365 1 1355 LEN=1775; translated
XGDAQTATSVLRLVARSISTSSRCTGF AVAFEKLLSDPGDGT TTVSAEFVLTIDHHES
MGFAEVKKKCNEINSSLAQAMDDGDMQLAMAAAQKQEGAWPEDFRNRIVEEFLFEDDDGD

GPLDETGPPPPERGGGAKPNLESTIDSLLSDLNIEVQGFQNEDEDRRDVPPFGMPGSPVYSSD
DIFLGGGNDGVFWNYAGDNADGAPYKSSLGLRMVDAVVEKAKQRHPRVIAIGDVHGCIDE
LQDLLRECDYRPGDLVVFLGDLVSKGPDMSMAVVQMAREIGAIGVRGNHDFEVVRWHQAIM
SGVDPVVGSEHFHIANCLTKADMKWMYSLPWYI SSPDLGALFVHAGFVSGIRLAKQNPR
LMMNMRSILPDGTVTSKFFNNWPWARLWDGPQTVLFGHDADRGLQQYEHAIGLDTGCVYG
GRLTACILPEKRLVSVGARREYFKYRRKHYD
>comp5204_c0_seq1; 344 97 1239 LEN=1239; translated
MRALNVFRLSLTIGILATAESTNHISEGLDKVSDTAGDSFESKDRDLQYYNNAFTFFT
TGAPTERPTHKPSPYPTPRPTPLPTHKPSMPSPFPSPRPTPHPTHKPTMMPTKFPPTPPP
VPGPTRLPTPNPTPEPTPRPTLHPTPRPTKMPTMEPTSPPTPEPTPRPTAFPTARPTRRP
TPFPPTVDPTRPTNNPTRRPTAPPTPRPTNFPSPREPSDEPTNSEEPSENPTNSEEPSEEP
SYGSSFSSSFSSSLGNSGCGETIAEIVCAPRNNNILGRLCTLLRDTGLYNTLDDCNGRYT
VFAPNNQGVQRFLDFADDFDNLVNNIIGSDDIGFIIIVDPNNPIQRRKLESQKSSKASSST
SSSAKLSSRRLQNMNMNMNM
>comp5205_c0_seq1; 146 67 657 LEN=1244; translated
MESAPTNLATTSSGGSLPLFETDSVAHLETNLDDATGESLAFIAIEVLLDHGAIDAWIAPI
VMKKGRPAHTLHCLCKDTINGGEDNPTITKLELMFLHTPTLGVRIQRGIQRAKLRKRSV
SVATPFPNTVRKGRVDVKVSSFKDGRVVRTKAEFDHCREIAIEEGVGIQTVAEAAIKAYH
ENHIERLESSVSGKGL
>comp5208_c0_seq1; 593 145 1719 LEN=1976; translated
MKTSQKTIATSALVILLSLSTGMLSMPIAVGATFAVEKINKQRGDASHTRNTLRQKQSNK
AKLESIVRSQNLPLPLHDEDLPIENAQQKWSLNSDVEFLPADNIDRKIVHRFLEQQNY
DEEEEEEADGGMTGMESIYNVEPFAYGVDEYDEYQQAWRLMGFIVDCYPMVDDDYQNGGS
GSGDQGTEDGCSRYVLWAAAYVDLDYEGGGIGEYQYYNVTQNSWDTASCDASGSSRCQKMD
CHLENTDFSLGFFKHKSYYDDWMEQLFKHEGICVWNDEEYAFMKNARKAWPQGCIDSYTM
TDDGTEIYYDIKPIQGGDIRVGLYTDTCIQIKEYVSSGSDNPITVENILGNFFEGGGSGSG
DNYNYDFSSTLEESMARWDSAFGKFRICQPCVAYDLENTDGTGFYDDDSGNSGDMFDCY
DDADYTNVNQCCKMFAKTMMNTATFRDMSLGRYQGTLTATQMNGFSGSKNWRQEAWENAL
TYLFLSFSLIVFIYGSVYFYKAKVATNYQPTFGWINFKEPLVMT
>comp5209_c0_seq1; 664 69 1319 LEN=1520; translated
MTDAPVYMATVSAPTNIACIKYWGKADAKFNTPTNDSVSVTLTQSDLRVTTAAASPKFE
KDRLWLNGEEEGASTSKRFRACVDGVKLLAADPEKWKDLKVHVSSYNTFPTAAGLASSA
AGYAAALVAALAEMLDAKEAYPGQLTTLARQSGSACRSLYGGFVAWRAGTPEGRSDDKEP
TPWSDSMAVQIADETHWPELRAVIMVSDAKKDTSSSTAGMSTSVATSTLLPHRIAKVVPE
RMVAIEKAFLARDFAAFAGELTMRDSNQFHVCADTYPPIFYMNDVSRQIVRIVHAYNQWA
GETRVAYTYDAGPNAVLYTLEKHSVEVGALMAHYFPPGEASVESFYNDASFASDLGGFSL
DPSLLAATDKCGRTPASGDVKMVYHTKAGPGPQVLDNETDGNLDPVTGLNRYTKPN
>comp5210_c0_seq1; 218 1 930 LEN=930; translated
XSVQNIATRNYDFVFDKSSDLVMLYSNKKHDI SELVLNSIVRDRKVKQKKEKRAKNGGL
TEKQKKAQEAKAARKKKEADRLARQKKIEEARKKRLADIEAKRLLREKKEAARKKKEG
NKSKEDDKTTEQDNNKLNREKIEEFTIVAFALGMTGVANAQKVGHVNLDRVIANMPET
RSLLAIEIKISKTYKDDLEASAKKLDGKIKKYTAEQATQTQQANEQRAQEVQGERARLQ
AEQAALQDIQEKQKGLIPIFAKAEKAINDIASSKGLVYIMDASAGKGLLVAKGVDIYED
LKAKLGLLPD
>comp5211_c0_seq1; 266 35 1063 LEN=1558; translated
MNHILLKKSFTLIAFTVHLTSSLQPARKIANITRNHLSINSSLETATPSSPSKMSTEFIG
KDGENGSHSKKDVITFSSSFLPDRGDDRQQQPEATRITALIVLNYKIPNKSVLLEHLWKT
SGTRIAADGGANRLYQSKDLIPDRIRGDLDSLDPDVRAYYEGRDVSVEQDFCQDTNDLD
KALQALVDADGNDSSSPSSINRVVIYGAFGGRFDQEMASFAALYKWAPLFDGQIYLYSDE
TFAFLVPAKKECQILLPFYDHSVLDGGEQPEMGEPTCGLIPLGCPCEIITSGLKWDLD
GSMPLFEGGLVSTSNHVMKPIVTVCASHPVFTAELASKRTL
>comp5212_c0_seq1; 676 1 1665 LEN=1690; translated
GAGVEFLCGRNEVTSLLDLQDGRNGFWLGSSESGRYVSAKAVLVANGAWMRNLLPVPLEP
HKQQLSLRMPKDRPPIILKRVLFGGDSYIVPKADGRIVIGATVEAGSFDSAVTPAGIMHV
LSYALELVPGLADLPIEETWAGLRPTTPDKGPILGETPWENLYLAGGYWRNGVLLAPKTG
HLLATLIASQNKGEENTLLSRDDEAMLEAFAWDRFTSPEGGKRMAANARYAASMYPVHKR
KSGTGVAADVGTGELGYSYSTARSAEERQKDRKSLFGSDGFDGIDSETEDLFEKAAMMGRE
DAEVFEGLDGESSSSSESTSDHTGGSPSSSGDGDGDKSLKFYYSEQETALGELRVLDSD
ESSPAAPSPEEIEETVPYDGSADAITVGSADNDAPEGDEADGDDASRLELLYESIRENKA
KQKVDLPDQDIKDRPDPGFRISHVCKKTGKVRMPYVQPGEFFESLEQQEQKEEAEVE

TPPSNGIPTDEVEGSGSAPSSSGSGENYDETTYDGYQEIFKANASSSRKEELEKMKLARIS
NRSSAPPREVRKKE

>comp5213_c0_seq1; 377 1 1178 LEN=1223; translated
XPYEKESQYERIIQIPMPCLVIVGHPSAGKTTIAYLLKERALLHDAIDDVVLLNEETEC
GCIQTDDNTNERLETSKNERDNKVT'TTKQELYENSLAEKQTRGALKASFDRAVKKSGGTN
SSNRRLVILDLSLNYIKGFRYELHCISKAAGEKHGILWVLNRLSVVEEWNKDYSPPLLQEL
ISRFEPDNRNRWDKPLFTIDVEPTSVSGCSTGTESNLQTRKTHSSKNEVLEHSVYNMHS
LGEAFGTSRTKEQTDNNTETQRSKSAFSAASNASKAPKSAFRRRKKASPPSASEKNEK
KIASVYNQNNKIIIFDTSMMDDSSAQDGI IASEKPSDVCTSKSALS PGVPQQSIPNEGQTS
GKSLEEKLEILDIFLLQTKNLKEGMSTRQYD

>comp5214_c0_seq1; 166 76 309 LEN=622; translated
MALRRPPTRVELKADDIDEYTKIIREKEMSMEDPMAMQHGEAGRSSGADGGRMKRSNMT
GAKKSSAAQRIGIGRQR

>comp5216_c0_seq1; 373 1 1427 LEN=1679; translated
XQSSSTMINQQLHHRGREGVSDAAKNGMLPRTTASAAEPVNGKTRRKNFNFAVFGSSGLVS
KQSFLLILFFGTMMGYVILPMIVLRTNSIAQSGSVQLKKVLERESKSKYRNLNDAAMARLV
ENKNLMTQSLPTDRTPAIMETASLSDRRKKILVTGGAGFVGSHLVDKLMMEGHEVTVV
DNFFTQKKNVAHWMHPNFSLVVHDVTEPLMLEVDQIYHLACPASPPHYQFNP IKTIKT
STEGTLNMLGLAKRVKARILLTSTSEIYGDPKVHPQAENYWGNVNP IGPSCYDEGKRVA
ETMYSYRDQGDVEVRVARIFNTFGPRMHPNDGRVVSNF I IQALQEKPLTVYGEQEQTRS
FQYVDDLVLNGLHALMNGDFDGPVNLGNPDEFTMKDFAQYVKKLTKESEIRFLDKTQDDP
SKRKPDISRAKEKLDWEPKVTVEDGLTQTIKYFAQVLEEAGEI IPTGPQASKPQN

>comp5217_c0_seq1; 575 151 1374 LEN=1420; translated
MNLSSAVAGLSATLALGAHSFTPTSSIRPAAASWRNTNTALGALDEGMMGRLENIKRSYN
ALTERLGDVLDGSKLLQKVMSDRASSEEVVLAYDEYTGLEEELEGAKELFQDAGDDPE
MKEMARAEMKEIEPKLEPIEDKIKILLLPKDPNDRNVMLEIRAGTGGSEASIFVGDLLD
VYRKYISSQGSANI IDESTGDDGGYKNIVMEVKGDVYSKLWEAGVHRVQRPATESA
GRVHTSTATVAIMPECDEVDINIDKKDIEISTMRSGGAGGQNVNKVETAVDLLHKPTGIR
IKCTQERSQLKNKELAMKMLMSKLYDLENEKRDMEERARRGSQVGTGGRSEKIRTYNWKD
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>comp5219_c0_seq1; 369 325 1599 LEN=2313; translated
MDDMSGSAAHCEDGKPLTRTTSWQKDLNSTTAEVTFHVVGDAYVDFFSFLDGEWPESGG
DSRLGEPVKCYAGGSSVNTATHLALIRNFTDEPKPPVVLHTVLPDDQYQIILMDHAKS
HEIPIDNRRREGDASTTGHCIAIVSGGERSFMTHQGVVGNFSADDLDVEEIGSTPHTLHL
HIAGYYNIPGFWNGKQKLEAVRNMKRMPDKNTTISLVTQHDATKEWDGGLSDLFPL
LDFVLMNDLEARSIRCAKGGKRIGYEHEHLEWADYFGLDRSSKTIITRGEKGSVALQH
KRILSKQKPIVMNSIDPTGAGDSFTAGFLFGLWSWKLGRRETTETKPGEREGMDGMNGG
DGAWPTEAIEEGMRWGVSLASAAVMIRGASVPPDGSEIQKILEQAKEPEYPVFDNGYSQL
SSCY

>comp5220_c0_seq1; 548 1 2050 LEN=2407; translated
XFFAKEEHQLKNLFPMRSNNRKRYSRFNEAVISAAQKDSNTPQIIFGENGCPEFSSTGC
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WYHYPETAKKLLPLFANHYGYWKDFLLLTEKSQTKKQSQELVEPILEESINLMRAQFQAD
LDALAKYEAQKQDGDTEGMDRGMHRSEIDADHADVVGKIISTGPKISLLAKWLPRENT
YFDKKNLNFVQRFLNEGPIERRNGSKIWKSHSKKSFRKEVKRLTSFSLPEVYLSAQRADE
IKFHMLSSKATLKL SRALLNEKVDGSVRRPNDAKRQRCALFVDHLTQKGLKGSTLMPDE
IVAKIMKGKVPSPNQEKVLDQWKDLWNTAIEEVQAKSKLEGVDFDPSKMVPLSDVSGSMS
GKPMVAIAMGIGISEITHPAFRDMVLTTFESTPCWHKLNPEDSIVKKVRSMLCAGWGGST
NFERAYDQIMKVCVEHRLAKKDVP SLIVFSDMQFDLAQGSFRRYGACYDRSRCVMTHETI
RSKFATTAQILGWKSDPTPIVYWNLRDTCGHPVEKDTGTVLLSGFSPSMLKMVMTG
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QWACMAAGSTCHADCLDEDFTLL

>comp5221_c0_seq1; 623 181 1603 LEN=1603; translated
MSGQSATIAVGDRLLDLSFLTHDPEGLSPATDVENC SYHDSFYDSVRMVMESDMNG
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SPPPSAPTMLHDQRKLEEGLIPLPESSTSSASSSSSSSSSAPSGGKVDSPASSIAVTPATV
LPPRNTRNDEFVSSGSSVIPDDSSRREESGEMMAVERGEHDEATTRPLFEDQRDENKLI
RFAPHIYSVLGEPNGRMDLPLDAENDERPLFGRTSTERQLDIFDQDNSPSYASYGGN
GDYGGDDASVSCISGDDGDESKIKNKILLSGAFVGAAVVMEFVFGTFRKKEGNEVL
DEIGALGKDSAVNNNGAIFSDNGALASNNVTVGSNGT SIAPAEFAKASFSSGSSNNISL

AMGQPVTTTTTGSAATNSASTAAATSAKSSATTSAATGSATSSATSSAASSAX
>comp5222_c0_seq1; 1220 186 3176 LEN=3474; translated
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KFPRAWIAYLEFAHTQQKEEINGTDNENSI I IHPTQLRHLVNRALAEIIPVTQHDKIWPVL
LKYYRSNSKTAAYIPKETKLSVLRRYVQYNPAATKEVADFLADDLGQWGEAALMYVDL
LNHDDVRDGGGSGFSGSKDMVITSATERKDLWMSLAKICTQHPVEDEIGLDFAIVRAIL
TNSNNSNKTFQGGALRYLPREMEGVLWSQLADAWIRRGFEQLARSVYEEAIESVSRVRDF
TILMDAYLQFEEGLLEATMESQAEMDDDEALEEDKQDGVKDENDWDILLPHQNRDDNK
NSKSASMSDLELALARAEDLTARRPILLNGVLLRQNPDDVGEWLKRARMYKDVGQTHQAA
AALEDGLKTVKARRAIGGNSNQMVILAKIYEEDCKDVAKARNLFDRI CNQWVYEFKNVD
DLAECFVNWVELELRQESWDDALDIIRASVIIPPFAPKWTRGLPKSLRLWDLMLDLEESL
GTTQTTKDAYSRAIDQKIATPLHVLNFATFLTEQKYFEESFSAYERGIELFQFPVKIIVW
KAYIDAFLLRYEGTKVERTRDLFQRCLESCPPEESTDFFLMNGQFEEKHGLTKRALGVYK
KMCETVPTEDKYTAYQLFIAKTGKYLQGTATRDIYQNAVQELEDEVASKLCEVEFANMETS
LQEI DRARAVLTYGAQTADPRRNEEYWRANNEFEI SHGNEETFREMLRIKRSVEASFSTV
NYNAAEMSGTDSKATETLSNEDAMKMAEREGVQLNPNTSTISGFVASSSSGKRSQAAS
LDDMEERVAKLRKATAMAGQTNEGGDEDEIDIDELVDELEGDDEIDIEDEDEDEDDND
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>comp5223_c0_seq1; 379 248 1504 LEN=1621; translated
MIRMRTNGEPSQAVRGPVSKALLGFVVAAMLGASSFQLSSVGTISSRHRNRTTRKGR
IVARSMGMDGNLDREETT KTKDRDLLRQERSSGLLRLAKLSLQDYEWIRIGVFKDRDADR
VEESLARMGDEASYVRPMDASEKSIGPLGLWEKESVEWLQQVIDEEARRAREIVRLGGI
LVRPMDASKVPGEVEELGPLGAIERRVDFVESIKRSEQERTKNMVL RPKDVEESKRGPL
GQAE LRASEAIREILQSERMRVQESRRREGLVRPIDIPGPLGELEMAVLEIVRAEEQRKL
EIEENNSAYLVRPMDAKTKGPLGELEAQATEAVKRLTDEERERVRNIQRYLDENRPMQOS
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>comp5224_c0_seq1; 324 1 581 LEN=1205; translated
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VGEITL FMMNWK P
>comp5225_c0_seq1; 257 306 977 LEN=1176; minus strand; translated
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HSVSAALFLAALLCTNLTEKRTSKLLEELPFYDHSDDLSTIRLYTTLAFIIPFSILSVLD
HGDQKQRWPCPVFMGGTYGFAFGSVGGIFLNYFKAKKLEKVK N
>comp5225_c0_seq2; 257 306 977 LEN=1478; minus strand; translated
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HSVSAALFLAALLCTNLTEKRTSKLLEELPFYDHSDDLSTIRLYTTLAFIIPFSILSVLD
HGDQKQRWPCPVFMGGTYGFAFGSVGGIFLNYFKAKKLEKVK N
>comp5226_c0_seq2; 657 172 1935 LEN=2079; translated
MNRHAVEAKAVEDGYDYIIAGGGLAGCLLADRLSADGKKVLVLEAGTPDYNMIVRIPA
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PGWKASDVL PFFKASQKDMTDRSPEFHGKDGDWVMDVKYQNPLSKRFLEVGEKAGLGTN
DDFNWNSRPQEGVGRFQVSEVNGERC SGAKAFISKALKRKNCEVRTGTMVRRIDFDGSKT
ATGVTYDLMGDDTMTPFNAKLNDGGEIVITSGAIASPQLLMCSGIGPADHLKDHGIPVH
DNPSVGKNLQDHPAAVVSFKTPQKGVSVTSKLRFLGLTNPFP I IQWLLTKTGLLTSTGCD
HGAFVRTSASSRGQPDQLIRFLAALALGPDGMTTFTTQFRNKKNHADGYSFQSVACRAKSK
GCVRLASSNTHVKPKIDGGYLSDPADLKTTLREGIKLGRQLGNRPEWGEYLGEEVYPGIDV
QTDAQIDEYIKNTIHTANALTGTCMGTGKDAVVS PDLKVI G VNGVRVADSSTLPNIPGG
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>comp5227_c0_seq1; 305 105 752 LEN=945; translated
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GESIKKQRRPSEPTGIFGKWF GSKKNDANVSETRMIKPRKAPIKVEPKVFFANERTFLA
WMHVSII LAGASVAI L T L S D Y E N I E K Q L Y G L I M L P V A V A F L V Y A M Y Q Y V K R A H M L R N K L P
GPYDDTVGPTVLSIMLMVSITAQFAIKMISSANRV
>comp5227_c0_seq2; 273 105 919 LEN=1112; translated
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GESIKKQRRPSEPTGIFGKWFGGSKKNDANVSETRMIKPRKAPIKVEPKVFFANERTFLA
WMHVSIIILAGASVAIILTLSDYENIEKQLYGLIMLPVAVAFVYAMYQCKFSKNAFVWRYE
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>comp5228_c0_seq1; 1821 116 4063 LEN=4142; translated
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VSGESGAGKTETVKICMNHIAITVQQDPNEEKMEGMSPVVQRILDSNPLLEAFGNAKTRRN
DNSSRFKGYIMLQFEHLAPEGGAKPRSALAGSACEVYLLEKSRIVTHDSVERTYHIFYQL
LSSSDEIKSEIWEGLTGKVNEDFKCVGTSPKIGIDGKSDADNFTDTKSALELVGKGEPEY
IELFRAISAVMQLAELVFAPDPSDEKSVITSKKEFDDLQKLLGVEPTTLELAFTEKTIK
TRGEEYKVPLKADIATESAGAFKEIYAKTFLWLVRALNDATCAENNPAGDVEYGLIG
LLDIFGFESFPVNGFEQLCINYCNEKLOKQFTQDIFRFTVVEEYKQEGLDLEEIKYDDNSD
VLALIEGKGGFIRALNEECVVRPSGNDPTFVSKALKANKTVACLIQKRTFSPLEFGVHHFA
GSVIYCAEGFVGRNTDTLPVDLAACAKMCKNEIISKHMDNNSASNQKKKEDPKAPPKRA
KSSMTGDTVMTQFKTQLTSLMKGLASTSSRYIRCVPNTRKAKCVMHNTTLDQLRSAGV
VAAVTISRSAFPSKLDFPDVLRYGILNPEKDKAYPDDKAEIDEMLTTLVLRFEKTRKDG
SISKAFVAVGKTKCYFKGGCLEFLESEKAKIWFKWAVKIQKVIRGRLTRDLRERERAREE
ARLAAEKAERERIEAEERAKREAEKARKEEEERLAAIEWEKNREAREEAERLEKIRLAE
EAEKEKARLAEERLEKIRLEKEKARLEEEARLEKIRLEEEAKARAEAEERIAKLKAEAE
KKRIAEKARIEAERIAAAKRAEEERIAAELRRKEEERMRAQRELENKSAITIQCMFYQY
TARQFRDRKKEKLLQKRMGKKWKAATKIQAIAARGFLQRPKYRQALLDKAEEDNLKNQL
GNMEAKLEEAQARKQELEVDKFKFEQEMEDMKEKLEKLEEMANAGNSAQHQTLDIES
GKIEYLRKENAKLRKQSDSTKREYKTLKEQNTRLKEANDSASKSFNELNNHAKGLNATN
ARLIKNDVAFKKQLVKMKEDLKNRQAFYLAEAHARVAYQKTLARIVSQVQNSRDAQLVE
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>comp5229_c0_seq1; 212 238 633 LEN=1010; translated
MNPIRLLLVLSTTMVHSFTGSLRLARPHDGFSTTGKEVMSDIDIMCLENAAADLCSYYD
ECDIEEREAILNRFAAETEIMVNRATMNGLVKHLKTGDHKLHLEDEEVEESLGAKILDLLD
TEVRSGEGLSP

>comp5230_c0_seq1; 389 191 1288 LEN=1618; translated
MRNTIRDALSRSSSSNTYGISNVRTRGSACMEETPLPTVRRFQQPFLFCLLLFSICSA
TDSFQQSDWRNNRRQHRISLASSLQATSANGPPLIGVYGGDIFDPCSDSNWYSRQRQR
TRKKRKQRRAKTACNDAEYQKRKQEWADRYTTLEGLRETFGSNRNKLYGDLVATRRRLY
KSLLP TAVCELVL DLEVKPEELAQLAYDARKAAKLYARERCHLPARVFANCYDGVRSFRR
YGRFQVEGMSYDQIFNKYYERSARERSMRKISSQKKEQGIDIGDVGTDVSHGWDEEDI
VTQTCMKILESACRTNPFIDQLALSSNESNNGRNKKRMDRKELEQIAQKLEQDVRKLLD
PYNQL

>comp5231_c0_seq1; 450 814 3102 LEN=3241; translated
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FVNGTTPGHRLPEDKATLALAEI EGGGMRGCVSAGMVAAL TALGLSDTVDSIYGSSAGSVV
GAYMVSQRQVCLDVYVDILPASKKLFVCKKRMVANLASLGLTQMLGKRNSRKTGNKQKID
FISSTLSPPSPLPKTLRERLLQTQPGMNISFVLDGIMGDDHGLRPLDVQAFRENSEKQK
LRVVSSCVDPATGKLLSKCFGSKEFFCKDESLTSPDRKRQGLFACLQASMTVPVSLIDFF
PVXFVLECDVVWTIVCYCFESMKGSIKIKRRRGSSHXIVEKDFQMTSIALALHMQITLTM
IFGMLSTNXGATGPPINLVRKNEASEDPLPCFADFCEP IPYRSAVEEGATHVLVLTTRP
EDFVPLTQPTVYESGVAPLYFHSHGQKGVAEFFEKGGQYIYAEDLMLLQEARHKGSEGI
LVPPPEILYGVPRTNEISKNIIRDNDNSWNKAHLFPLRVPKGYKELEALSQDKDEVLEAVR
DGFMTAFDSLKDIVGLENLEGSKVAEMLFPSSGDEIKTEETGKLSLSPVEEELRTRKV
NVPGAPIPESRLAMNKEKSLKLSRGI FRRPRSIFRRGGAGGLFGHGRHDEAEGNGIEEKHE
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>comp5231_c0_seq2; 759 574 2877 LEN=3016; translated
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KRPRYTPYLP SLAGKKKPKPLQVETVEELRHAILDQQLRLSDTTIVEAKSQSNVDAAQT
AGKGVPPVLDHAVRDLIKERFVNGTTPGHRLPEDKATLALAEI EGGGMRGCVSAGMVAAL
TALGLSDTVDSIYGSSAGSVV GAYMVSQRQVCLDVYVDILPASKKLFVCKKRMVANLASLGL
TQMLGKRNSRKTGNKQKIDFISSTLSPPSPLPKTLRERLLQTQPGMNISFVLDGIMGD

DHGLRPLDVQAFRENSKQKLRVSSCVDPATGKLLSKCFGSKEFFCKDESLTSPDRKRQ
GLFACLQASMTVPGATGPPINLVRKNEASEDPLPCFDFCFEPIPYRSAVEEGATHVLVL
TTRPEDFVPLTQPTVYESGVAPLYFHSHGQKGVAEFFFEKGGQQYIYAEDLMLLQEARHKG
SEGILVPPPEILYGVPRTNEISKNIIRDNDNSWNKAHLFPLRVPKGYKELEALSQDKDEVL
EAVRDGFMTAFDSLKDIVGLENLEGSKVAEMLFPSSGDDEIKTEETGKLSLSPVEEEL
RTKVNVPGAPIPESRLAMNKESLKLRSRGI FRRPRSIFRRGGAGGLFGHGRHDEAENGIE
EKHEMHQWREEEFSATTLLECLPGFQDGKYSHLAKGLIEEQRRTTI
>comp5232_c0_seq1; 899 100 1506 LEN=1521; translated
MKFSAGVTAMMAATTVGGAFAPAKVTGTASALSSTATETYTFKSEEIFKEALDLMPG
GVSSPVRAFKSVGGNPVVDHVKGAYAWDVDNKYIDYVGTWGPAILGHADDDVLEAVSK
TMAKTSFSGAPCLENELAKAVIDAVPSVEMVRF TNSGTEACMGMIRLVRAHTGREKVIK
FEGCYHGHADAFLVQAGSGVATLGLPDSGPVSAATKATFCAEYNNIDSVKAI FEENKDE
IAAVILEPVVGNISGFIKPTKEFLQGIREMCDANGSLLVFDEVMTGFRVSYGGAQEYFGVT
PDVTTMGKVI GGGLPVGAYGGRKDIMQQVAPAGPMYQAGTLSGNPLAMTAGIETMKKLSQ
DGVYDELERKSKMLVEGIMEAGKKHGHISIQGDWAGGMFGWYFSEEKVNFAEAAKSDGEK
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>comp5233_c0_seq1; 260 1 775 LEN=775; translated
XAKYIDTVPYCTGTWNCNLLNKTESDPGQADRTMRIVSIVQGVLMLLAAVRSEVPPAEQA
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DGS IAGRYNFKSMKRSYQKKGKGVGKGYEFKSMKKGYGKGDGKGYNFKKEKSYGKKGASS
YSKSSKHYGSAKGGGKGTSLHYYSKSSKSNKGKKGKISYYSKSTKKGYGKKGK
ASSYSYSSKSAKKS YGKKGK
>comp5234_c0_seq1; 345 103 1464 LEN=1731; translated
MDFGGVDVDVGVVEVGSYGLFLWDAANLWIGRILVTIAIVVLWDSYVSILERKQKYEQQP
QKKQQR YRGT PGP RNTD GQLNEDVSVLET PRKEASDRSVPKTTMHDQENESVDASNVTSP
VPASYSSTESEKRL ESPTATAAAAATSVSAAKTTEKKSTSEKAAIVARTQAVRKMKGTSNE
HPGMEGFSNWYEVETSLFRIYTLAPRDP SVVTIPPYVPHSRRGDVSIELEVTNHTNYNIH
VFWVDYHGNLVRKGNIPRNRGVWKQSTYIDHPWVFQDADTAQIYLYVPPFRAIPTTPEVS
TIGSDGTTALHKFALINDWESAFYIGIQDDVLPFPGTARLQNPLDAINWTLKHM SRANTT
FNLLPDLDTLQAYLINVLQHPDRVKYRQLRIASPRFR TIWASPLRGVLLAVGFVEAGPYA
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>comp5234_c0_seq2; 296 103 936 LEN=2083; translated
MDFGGVDVDVGVVEVGSYGLFLWDAANLWIGRILVTIAIVVLWDSYVSILERKQKYEQQP
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VPASYSSTESEKRL ESPTATAAAAATSVSAAKTTEKKSTSEKAAIVARTQAVRKMKGTSNE
HPGMEGFSNWYEVETSLFRIYTLAPRDP SVVTIPPYVPHSRRGDVSIELEVTNHTNYNIH
VFWVDYHGNLVRKGNIPRNRGVWKQSTYIDHRKCRRE
>comp5237_c0_seq1; 462 318 1376 LEN=1417; translated
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SAFGVGKEEREESFPV FIVPDWRSDNTGIFSAFSRTATPLTFQNMQTLLSWDEIVDASTG
AEEELLSFMSLNNFHASLFI GKTLGDAASHTPFLGLIVSYHQHSQKNILVPPFAKLDHFFH
DSSEKHL LVESQVKVDHLLHEILD SERAFNTTNSFFHPEI IAETHKNNKREQLEDVEAL
HFRRLFQLLIRRTFLFSYGYADCLMVEPHNLRTCLDDTFSLVVQMEASIRDAIDDQLLKD
LEAVTQIENS SRYREACVLVDMYGT RACSDSPNSNVRGLGR TAYSSLSSTFL
>comp5238_c0_seq1; 117 1 1016 LEN=1285; translated
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VLARMLEHKEAII SHLSWASLFLGFHTLGLYIHNDTVVAFGQPEKQILFEPVFAEYIQAA
SGKAIYQFNVLSSSTSPATIAGNQVWLPGWLEA INNDKNDLFLTIGPGDFLVHHAIALG
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>comp5239_c0_seq1; 544 1 1219 LEN=1270; translated
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TPQSF AFTTEYFTAALAALMLSMGITLTPQDFLDVMKEPISVAMQFSLCYAMMPALALG
LGKAFALDPAMLAGMVLVGSINGGQASNLCTYIARGNVALSVLMTTATTLGAI FMTPLIC
KAVLGTVPVDAVGIAMSTIQVVLAPIAIGMTTNKFFPNFVKQILPITPVVGVLSTCLLV
ASAVAQVSEPIMNAGLQLQTPVFLHLLGGLVGYFLPKLTGFSEVKSRTMAIETSMKSSA
FGFLLAKLHFQY AARVPSAVSVVWMLTGSLLAVVWRYIPVGDEE
>comp5241_c0_seq1; 802 33 4402 LEN=4402; translated

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RIQKNICGVPDRTKLVLSMLWNCKVWTCVVAQDHLVSPARLMPCTGRKEAGLCCFSPFL
NIPCSKYFAKLLPPVPVEETRPMAESEASIAEDSATSQKQPAAVTEADNATPASSRIPAF
HRKKKFRCCSLALPPNKYTWEAYARFAIMATLVGDQEFATDVDGSDSAWKNHKESSLIQ
SFKSPLCVYELNTYKTKGNSSSHKQFSFSPSTDLVPLWIRAHNTQSLRQLIQLFVKKRR
DKYDDDDASCSTNAIVRGINRSSEGKELIVNDESDADTDAKQDTETAFAFERKFEATFRGNP
LDTKSQMLKVG DYVDQLVEWAVVNQSI FTYQYMKNNILTAHLRKQEDGQRRKRKRQRSNV
CRNIRC NENCEQQRFKLYRACQSYILRWFARRNRAVAILFSMRLKHLKLDIGCKMDKNS
LEMANALEKAGFIVKAQENMRKLPDRIHEDLNFSRIDRRLSISGRYDGSV SITCQSQV
SNLLKTVLKTCTPNDKAYKHLITTAIDDLDFGLTSPGPFVYDKACELIDSSNKYTLS
YLADLLESVPKPWVEKCCRCNKVCSSDLRTCFNCEQVFKETCAASASGTLPTAISLKDLI
RSFPPLHDIFKFKHPKNIDRPFDFMSDNEWVEVLKIERKSNIDENQARLGISFISTEDC
SEQFDILHSDAMSLVELMPSETKNGGANLLVPLRTSHKGCCLVVTVNQELPGGRAGLQIG
DIIIGMEIEKNSSSHSKRNVEAKKRFTMSDLSKRDRETELLKNGSTKIKLIIRPPINVVE
LATNWYSVIKEENEKLFNILQRMDESELWYCGSCCEPSTHDDRSVFL EASYCRAVIRRV
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RLLRAATSLEKQPM TLLCRAMKGLIESSVLGANDRNTHQIAFITHFLVVFSSWCVGGTVK
SSSFKRLAGPPEIFQLCRVPWLGSAYSACVSRPSQKMAICNAQVCLNHS LDSEEKEIERT
ENAIKEYTMRASLVGTSFLVFRCDPLVECVSSAFPIDTKSQLIEFLVASYLPSDYHDAVV
KGRRKDRYDQISKNDGIYHLIPVVS CDQQQFLLERCKMRNEHQNNI ISEISWTS LDVNLN
DGVTRYSSAALRKKIKESNSIRLAIDDAIIRDVCNSSTVLSDFSFYFQKSIDSEITMGVS
SLRARNQDLTLEITNKLIESLLKGGSTAVVRQLSSSSSDVNPISQVEEQKTPSKWKI IK
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>comp5242_c0_seq1; 665 106 1734 LEN=1884; translated
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DSFDLVTSPVHKGLALTETPQIPYVELLGLRESIVAYIGDSFYVTSPCMTHMEGETPM
IETVYNYSIQEELIDDFRERNPD AIVSGPSNNVVGEQVIVSSATQERTNVATFDWISFF
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VGECPTWDHAYYCEYATHCGATVLTREPGVGVNKTWGSPTVYWYLNDEEMLDMGMDADIL
IYSGSDWNEIYALKNETLNKMKAVQNGQVYDVLGQGS SAWYEQRYAEYDVVGLDMCNIVG
YAPASGHQNRWFRNVFTDPIGELEECDVLGGEISEPYVPPQQECVRPLIAPSDDAGSEDT
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FL

>comp5243_c0_seq1; 220 327 1055 LEN=1229; translated
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QESCWCFVPSFRVLDETEKEVYVVRPPTSCGNM CIDCFPDGKWCCPHGCCMIPC DVYAI E
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SE

>comp5244_c0_seq1; 160 496 1306 LEN=2915; minus strand; translated
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SDEDQSNNE SPIDSIHTD WSESDYLD AFQRKLSRGALGLTHSDRNSIIEEIHGVNTHIQE
ESPDLIRSSLLSLSTELRALVQDNAANGNTNSKEPSLSTAYILSQCIGSSSKRTYVNTPE
FQLRFLRCDNFDXEGSGDPDDEMAEPGRSLWGLCSLQ AHPDYGFHKKRAQNTSERMAAS
PPVSGPERATCLDLAGGDGVQLRSGSXGYAW

>comp5245_c0_seq1; 617 171 1421 LEN=1421; translated
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PQLPSAAIDL SIDDDPTSLKVMGASHSPMPSPMEGTSPSSSSSILVTPKGTTPVAKKAK
GLAPVPRGGKTTTTKPGHGDEEWLLCHRWVG DGVNLSRHGACDYQEEFRVLMEGSSSSSA
TTKTSSCPPKALRFRSKSHRMDGSFPRHLSFLGTL LKHNLIRLKATALMEEKQLPVGAQV
AFGIRVWIVDPVRF FAVFRDGNKNGGGRSSYSKDFLYSGRNARMGQAATAAVSR SLLA
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>comp5246_c0_seq1; 1277 101 2875 LEN=2900; translated
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GMSTDAMKNAGVRAGDKVTVTAAPNVKFGKAVLISPMLNSLKLSGIDEETMTDENGDEVK
LFEDYLAPYFSDKFRTLYRGDTFVVDGPKGELEFQCVEIDSVEKDGDNACIVVEETVLEC
DGEAIEEEVDDLENAGYDQIGGASKHLAAVRELVELPLKHSELWRKLGINTPRGVLLTGP
SGCGKTAMARAVAAETGAYFFVINGPEVISKRAGESETNLRRAFEDAEANAEDYNGAIIIF
IDEIDSIAPRREKAGGEVEKRIVSQLLTLM DGLKSTSKVVVMAATNRASTIEPALRRPGR
FDRELDMGIPDEQGRLEILQIKTRDMRLGDDVDLEFLARNTHGYVGADLQQLCMEAALEC
IRGKMGLIDFDKDQVDKILDSIVVEGKHFDHAVGIVAPSSLRENQVEVPDVKWEDVGGL
EDVKRELHETVQYPVEHADKYIKFGMSPSKGVLFYGPFGCGKTLLAKAIANEAGANFISI
KGPELLTQWFGESEANVRELFDKARAASPCILMFDEMDSIAKTRGSGGGGSSEAGDRVIN
QILTEIDGVGARKNVFVIGATNRPDILDPAVIRPGRLDQLIYIPLPDFKSRLAIFQASLR
KAPLDPAVDMEVLARSTHGFSGADISEICTTASKLAIREAILAAEERKEEAENDDDEEDS
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FKFGESNSSGAAGEEAKEDEDLYS

>comp5247_c0_seq1; 402 77 835 LEN=1211; translated
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CPKAMQAAIDGGFKIVEFTLTTPDCLQHLSDFRAYDGDVMVGC GTILTPEDAADAMAAG
SEFIITPVMLPDVIEWCRDRNIVCVPGCQTPTEMVNAYRHGAPLQKLFPGVAGGPGWVKA
VSSALPFLSINPTSGVDLDNAGDY LKMGAA SVGLVAPLFDQEAIAAGDFDQIAQNAEKVM
ANVREAGPYQRK

>comp5249_c0_seq1; 519 581 2257 LEN=3480; translated
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PEGTPGVWGA KGT TATCTAQGFIIHIGGMAAPTYF IGLSVYAWAVVAYANFDAKKYQWIE
KYIHI LANGYAWGSAIYILSIQGFNHS GFHICWIASIPFGCGDETDIECTRG PQNISQVM
SIFVGI PAVTFLV VPTIAMLALVLF L YRQQRQQHQDQNRQRDDERQE QVPKNQMEQQE
PSDSSKNDASN NTEKAI SMKSIRSLLSARSEHNRRRGISALPYHGLTPKLVAKQSF IYV
GVIYFN YLPGILQHMVGAFLNHKSFFLSLLASSITAGSGI WYALAYRYFSTTG VVLDG TK
VEVGF GIRDNAKLQGGNIDDQNNAGNARSVTASESHGFSSMQLD SVIEEGDCNESD NSLQ
RTEEVKGSNDKPLPRASSSSSNREQRRQAEHKQFTFNIFDGTAPVNSRYSDFIFDGDDED
QQGDDEESRFWSSCQDLR

>comp5249_c0_seq2; 519 581 2257 LEN=3363; translated
MAVYDSSYDFLGDALSFEHGDALLTGSDYRFLLDASNNETMSPSEDIIPVATTDGFTKN
QDIFLVYMG RVFGFLSILAGFYIFYWAWRRKEHVYHRLMMGISVYLILTRPMFVYGVSAV
PEGTPGVWGA KGT TATCTAQGFIIHIGGMAAPTYF IGLSVYAWAVVAYANFDAKKYQWIE
KYIHI LANGYAWGSAIYILSIQGFNHS GFHICWIASIPFGCGDETDIECTRG PQNISQVM
SIFVGI PAVTFLV VPTIAMLALVLF L YRQQRQQHQDQNRQRDDERQE QVPKNQMEQQE
PSDSSKNDASN NTEKAI SMKSIRSLLSARSEHNRRRGISALPYHGLTPKLVAKQSF IYV
GVIYFN YLPGILQHMVGAFLNHKSFFLSLLASSITAGSGI WYALAYRYFSTTG VVLDG TK
VEVGF GIRDNAKLQGGNIDDQNNAGNARSVTASESHGFSSMQLD SVIEEGDCNESD NSLQ
RTEEVKGSNDKPLPRASSSSSNREQRRQAEHKQFTFNIFDGTAPVNSRYSDFIFDGDDED
QQGDDEESRFWSSCQDLR

>comp5250_c0_seq1; 278 1 908 LEN=908; translated
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TIAAFGGWFGFVVMGKPTSLITNGDVTTLTATAIAFVLLTYSPMDIGYRFGTLLPVKILL
NSWAQLFRGLGMIGFINACAAEVAPSKYYPTPILGPVVYGTLLGNMGAFFLKGFKHLEK
DIPWAFQNGLVVGLFYHLYTHDKVGSVGVVALRSFVQSTGIQGTMTDKMFATIVVTA FMQV
SGMMMLPEFYGPSFNLLLLPKRMLMGT PKTIDSA AIEKDLIA EEEKEQRNQATKSKKKKK
KKT

>comp5251_c0_seq1; 735 1 2374 LEN=2779; translated
XPGSLSIMSLTNGSNSSSWPRSV PQEWSIPLVVLAKSGTDLGHEEELLPFVNDMMDNPEP
FLERFKPQELSNSVWAAATIISKRPQAAMGAASDAALGILRHTSRELIRREGEGYKTQEL
ANSAWAMATLGFVKKQTTSATSKDCHLTHYTYLVSDDPEGDRALMEEAMKITLEKTKQ
NLRRFTSQELNNLCWAMARLEEKDEGLIHMI GRELANPRKSVNSQDLSTSLWAMATMEYY
DEDLYRSVVARFPGIGPHGFNPQEF SNTVWALATAGVVPEYSNAFDDKLLPSDLRPTKEE
ALRDPVTSIFAAAASELIRRNPEFKTQEIKDVLWSFTRVGM RHP ELFRSMAEYLVGKEDN
LETTGRGLDEFNSQGLANLAYS FARHTQLGGETMKNKYERRC RIPFTGGKLAYYTISYLDV
GEGLLRKLFAAIAKAGLENYDNL SKCSAQDVSNTVWAFGILGLKHERFLNAVEGTLRKM
ESYVRGDKSSFIQGE MSN ALWALATLNYIPSGLLS LVERYFLELLHHGLTVSNISRLIT
RQELANIAWVA AVFGEYPSKLIKMLYMGILGVGEKPD PAYIQNVYNDSGIQATHSN SMLY
LQIMMDFDLGRKKNTFALPNDFPSAWASSMAVMNDGSSVDS SNGIMEISTTTSGIQNRIS

MAFDRIDFGHVDEHLFTMKDLATEFDIQMPPFPVEVLSVDIANIESKIGIEVDGPGHWVS
NIDPATNHNILASVGEYRGPAPNESKKGSDHNRIFEYNIWNSEDQMINGATSLKQRMFQ
HMGWDIINIPFW

>comp5251_c0_seq2; 1021 293 3632 LEN=4037; translated
MAYEIDDVSKVSREERPNLIYRYIRCLRSNKRILRTEKELERITKASTTITKMVVTKTKA
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HRIARHMTLYTTKNLPGNERAKILSDPRFALLICSTSEALLDGAKEYESQYKSNNRKMNP
SSSGRVCFGARELSNIVWAI AKLNIAPPDSVLKVDIDNAEKLLREKSKDVRSIIFEVAKH
RASPGSSSSSPSASSWIPALSELGVLVDVAVSSKALDLDPKRFQQQELSNLMWASATTKR
PSENVFKYVSSIIASAEQRKHIKLCNENPNKDSVKDEKGAVPQEWSIPLWVLAKSGT
DLGHEEELLFPVNDMMDNPEPFLERFKPQELNSVWAAATIISKRPQAAMGAASDAALGI
LRHTSRELIRREGEGYKTQELANSAWAMATLGFVKKQTTSATSKDCHLTHTYTYLVSD
PEGDRALMEEAMKITLEKTKQNLRRFTSQELNNLCWAMARLEEKDEGLIHMIGRELANPR
KSVNSQDLSTSLWAMATMEYYDEDLYRSVVARFPGIGPHGFNPQEFSTVWALATAGVVP
EYNAFDDKLLPSDLRPTKEEALRDPVTSIFAAAASELIRRPNEFKTQEIKDVLWSFTRV
GMRHPELFRSMAEYLVGKEDNLETTGRGLDEFNSQGLANLAYSFARHTQLGGETMKNYER
RCRIPFTGGKLAYTISYLDVGEGLLRKLFAAIAKAGLENYDNLSKCSAQDVSNTVWAFG
ILGLKHERFLNAVEGTLRKRMEYVRGDKSSFIIQQQEMSALWALATLNYIPSGLLSLVE
RYFLELLHHGLTVSNISRLITRQELANIAWVAAVFGEYPSKLIKMLYMGILGVGEKPDPA
YIQNVYNDSGIQATHSNSMLYLQIMMDFDLGRKKNTFALPNDFPSAWASSMAVMNDGSSV
DSSNGIMEISTTTSGIQNRISMAFDRIDFGHVDEHLFTMKDLATEFDIQMPPFPVEVLSV
DIANIESKIGIEVDGPGHWVSNIDPATNHNILASVGEYRGPAPNESKKGSDHNRIFEYNI
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>comp5252_c0_seq1; 236 150 695 LEN=791; translated
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PVPPKVFRETFFGEEWSKVLEENRAANALDACKRFGCSPEELNEAWNKVSTVKFGGGFYCG
E

>comp5252_c0_seq2; 349 150 1208 LEN=1233; translated
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PVPPKVFRETFFGEEWSKVLEENRAANALDACKRFGCSPEELNEAWNKVSTVKFGGGFYCG
KVSVNGKPELYVFNFAFFMTMRSKFVVGKDNIGHCFTVEWSDTSLWSSFRHEILGPTDPKK
APSNSIRRSILDQYKNLGLSSVPNHSNGVHASASPFEALAEKLNWLSLNLESDSLGGKL
LDAGISETRIKEWCLDPQIKTSDSSTGSLFDELEDLNVDCCVSKLLELNRLN

>comp5253_c0_seq1; 242 482 841 LEN=841; translated
MNDQFGFDLGFGLDCFSPOQIQQPQAQQMQHQQQVQHQQHGYLNNNNNDNNNAGNNGPCM
DGYNPNQVSNVLGGRAQHGHSAYNNSINASGALHSRNNNSVGSNHNRRNHLHHQQQQQQQ

>comp5255_c0_seq1; 305 1 351 LEN=600; translated
NNNNSSIDDEEFTYVPLAEQRRIEEKAKETDAGQLQRAPEDKPEMPMAIPTDGSFLEVMK
RKLEEEQRAAKERTDNENGNNGNNEEQKQGPEPPVPTDNNDDDDDDSEGPAPPPAV

>comp5256_c0_seq1; 368 50 1465 LEN=1912; translated
MVRCDGHNQKYSTIDEEYAGIDFSNWKRGDWCWLSPPPSPPRKPCKPIPSVSSHPPQKR
RLSSEDTGDTSPNPLRFHKKQMKVKPDFVSSSGGIHISHHRHESTTPTPEMLMEKRGSSC
KTKAEPGDRGNDTNTVPAIATTVSTSKQWFLPKQEKRETEHKLRAAREKAYEKYADRT
LLHRFRGIGLLGGNLQMTFPPSPRKGCPKTFDENNNIRQGYPRPRRALNHPNVALATGEKF
NMEAF TIATFSGFWQPNGPNFAAQPTAAVTSLPGCMFEDRSLAVPFFIKRSLTKRGAKRE
GRILGWEYVGNRYASDPDLTLWGSAGSVPDACKRGLIEDRILRSAASGDDDFGRRILDHW
RNKLNVALEQQSDSGNDGENDTPNSMIQRAIAMGYGPATNDKDLLRLVLELDEYHEQYII
EFVEYDEAIYKYCSKGPTSKNSRGEVQATRGGALATAEDWYFNSNENMVML

>comp5257_c0_seq1; 371 375 1475 LEN=1580; translated
MNSANSIPNNRAATEKTNHFPWKLYDMLHTAEKRNEEHIISWIRDGKAFKVHKRDQFIE
EYMKKIFNQTKFKSFQRQLNLWGFQRVQIGPDKGSYFHPLFVRGRRDCCQHLSTRAKLG
AEKLT HAGILEKQEPQNSPYSMATTTAESLSTTGAAILPLAVATPSIVEGNCNTVSPASL
LGAFVNF SRPASATAIEHTVQGHSLQTLSEFLHYHTSERRKEIRKAAISLSPELSTV
VGSPVFAIATDTSKQNRSEYQQKYHNDYTHEQQEKQSRIPPRQPKIEVSTGDHQQKDEK
ESLNFQQGRTKFDRQSKIECQGQKSRKRVTS SGLEALLAVTAQRRREEEMALLLGI PDGE
DTPRTK

>comp5258_c0_seq1; 618 224 1882 LEN=2489; translated
MTQRGRYPIGDEDVVTIKGRYLYKGDGDRFFVKGIAPPPAPVKIDIDGWITVLEQL

ANDTDINAVRIYDMDCYHVDDTYDPFLRRAAELGIYVIVPLTSSEGDGNLSRDTSPDCY
PQKLFHYGKTCIDKYWDRPNVLMGVIGNEVMNSFTTYKSAPCVKSYLQDLVKYSRSLSSQ
SSSSRKAFPLIYATQHDSPTSELHPDEAIKLTLDYLSASCASGTERSDGALDLVFGINIESW
CSSSESFVDEDDGITESSYHSLWRTFSGKNKTVKIVDAVTGDF'TLEQVLPVSPIPVAVPV
VFSEMGCRRDFNRDNPLIPEDLKNIRDWKQIPLVSSSEDGKMADLWSGFIAYAYDGGGFD
VFRMMGGNSTKWNGKESLPPSTEYNNFRYQLSKVNNRSLTGESSFSLSEIAEIDQSTLSC
KDATAKIRKFFGVKLYSLSEMPSYFPEVRDNVKRLTTFDPRAPPSAGTPTESSITNRVAS
YGELHLLISVLLFVLLAVGFLLGRRRGERPNIRFGWLEQRFGNLVDSNNNKRHFEDENI
PLKSADMNYGSM

>comp5259_c0_seq1; 310 211 1116 LEN=1862; translated
MEDQFVSGFQASLPCDPLASFSCLVVNGQSDRTFTLAANVLPVTANCNSNLERWHRNDLI
LGRFWQPEDGIDEALFESKSEEADHLKSQPHYLYGEVTALGVRQLAYEMGIANCDGGED
RRNRFDANAENYNNEDDGGGIVFYDLGSGVGRVLTQMYIDQPDRVEKSVGIELSEGRHE
IGINALKGIIGEDLVERFDGLYSGGDAMPHPFPIELIHGDATEVVLDRTRTHVYISSLCFP
KNVLLTIQEILLKLPKIRVIAALNRLDTILQLEGEWQERNVPIQMSWGPSTAKLYRKVK
S

>comp5260_c0_seq1; 155 695 960 LEN=960; minus strand; translated
MAAPEIAPVNPVNRKKKKKPKADVDSDDLDFDEKSVKSTRSSRSRSTRSKKSRKIKRI
PKRDSSDYLAQDSFVLDSSSLTISTKSA

>comp5261_c0_seq1; 377 627 1803 LEN=2351; translated
MAFAEINPQLGHRALAKSTNIAVENLEKQVTANFTFMLFVSQIASLNAKIENTLQSKSDG
TLVAAAKEVTLAPIRGPPSKVKCRRTLKGHFVKITALDWSTDGTTVVVSASQDGNLLWDA
LTTSKMDIRLKSAYVMSVCMMDKSGQYVAAGGLDNACSIYSVGGTDQAQLKTELVSHEGY
LADCKFFHSPSKMLTASADATALLWDVEKQI IDTFQEHKSNLTEIQLVEQDMYLS CSTD
MTIKLWDVRCAKEGQSVQFTTGHAGDVNGITMLPNTEGAFSSCSEDGTARIWDIRSYGEVA
SFGQLVQQSERDPFSDDDAGFTSISASYSGRVFCGHSEGSVWCYDIFSGNKNPAYILGN
VHEEHISCVKVPVGEVLCTGSDWDFNLKFA

>comp5261_c0_seq2; 369 59 1153 LEN=1701; translated
MAVTLQQRDLAAKKEIASLNAKIENTLQSKSDGTLVAAAKEVTLAPIRGPPSKVKCRRTL
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VAAGGLDNACSIYSVGGTDQAQLKTELVSHEGYLADCKFFHSPSKMLTASADATALLWDV
EKGQI IDTFQEHKSNLTEIQLVEQDMYLS CSTDMTIKLDVRCAKEGQSVQFTTGHAGDVN
GITMLPNTEGAFSSCSEDGTARIWDIRSYGEVASFGQLVQQSERDPFSDDDAGFTSISAS
YSGRLVFCGHSEGSVWCYDIFSGNKNPAYILGNVHEEHISCVKVPVGEVLCTGSDWDFNL
KLFA

>comp5262_c0_seq1; 644 155 1666 LEN=1842; translated
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RLLNKHLKQRNKLRYETRVQQGILRKDKSLEEEARKDWENYKQLLQNDPNSVLNYTGEE
EAPGTTASVCQTGSHCCQLNQSSRYRHSQSLRSSEDRKRVREGGAWLLKFWMKMAPL
LALSSPPSNNDNDSPGSKPITSKTTKEQQTIRAAKLANMDRGTQTESMFDDMALLGYT
RQKFYERALLAFASLDRLDPCHRENEGDAAVDGTGEGKDGNAAGGIGTPRGKSAERKLV
GMWGRIGTKQVVSIGCGPGCDATGVLAFESHGAQLENGILLMDFVDRWKQIVLDQLI
ERIVPRYVPFVRAVGCDVRDSLPTEQHPNKQDNKNHRALLELRKESPSRNRLIVVSYLL
TETRHKWKSFHHLLSMLQGTESLLELLTEPTAWQLHEFLACFSSSDADLVRAHVWLDSSR
DLPHMQSLDKRNGPAILMVCTH

>comp5263_c0_seq1; 969 282 2939 LEN=3057; translated
MTTKSGMATMEHQISFSHEHSAEAQHRSHSPVSSVSYLAREEPTKLSWSKLSHSPSSVLYS
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IYLSPKWASSAASDSNIERLRSNAPGFFCLKDGETSDPFVGIESGIRQVCSCALTDEG
KPVSKCDVASPEFGHNSEKKEGGYDHTKGNESGTGDSGNDTVSSAIAEGNTSAHNSMSS
NASASANAYGNGNGNGYGTGVTAGETDLNTDPGGTQRLANPNKDNNGKSTPGFNDN
DSFPKMKTTSSSAFNDKTSKDDTSKESNGNTEEKTTYKNGSGVNDGDDDVCTLELPGESG
ETMTFRREGESYGPFLNRNCQAPSKHPCYCDPDAYRQMDPCYCGFDLGENSLLCARHNETV
SFFAPDGPHEVRTCSISIQGTPITNCETSHPYVVRSDGNASPGASSHQETITTGQK
GCPKIDPSSGRVVAVVPDGFASFGYASTVMGTGCGDKQWPAFCDASSDAEPTSAQVSSV
TTSQQGLHNTLSVDIRDRADVLYPYCVYLDVESGSPVCARDKEEVVYTNDEGIQVKCSCV
IDEKDSRVDGSFTCGPYTGNNETKTEVGLSKEQGGNNTGTPNTAFANENNTKTEEFNE
VEEAKKKEEEEEEDYDDDDVGTAYNVGDEKDVKLVDENKNNHVPSTTGIGSSLDNNVN
KNIDKDGNALSSGNLGSNNNDIPSMPNGSNLGDNIMNKNMNDKNSDILISDLQGEN
YNKNLPSMTAIGSNLGGNGINKNI INNNGGGVIEDSNLPGIGSNFEGGALANNRPTLRPT

MSP IYVPQSGTIATYGGTSGNSIIVQILLTTIGWAMGTMLILKTI
>comp5264_c0_seq1; 473 49 882 LEN=971; translated
MNTAAELQANRPDGSAAEAGVEGPRKYLIGGNWKCNGTWDENLDRVKMFNECGSIPANVE
VALCVPDINIPQLLTGLRKDIAVGAQNAGVNGKNGAFTGETGSHQLKAIQVTWVIIGHSE
RREGFGMAGETEELCAEKCKVAIDNGLKVMFAIGEKKKEERESGVTMDVCAKQLEPLAKIL
TAEDWANVAIAYEPVWAIGTGLTATPEMAQDTHASIRKWVAENVSEPIATATRIQYGGSM
KGANAEALLAQPDIDGGLIGGASLKDDFFNVINGIPK
>comp5266_c0_seq1; 308 518 2851 LEN=3017; translated
MDVDERGTEDGIPTTPTDEGSALSPLAPPTPSRPLEVGGGSVFGSRRRPRFGGVMSDGDA
DVNEETENDINDENHEGDFLDAQDGFATPRGTDIDVAEAAQAFRGFLRGFRGLRGHDDSD
NEIDDNSLPPPVSSELESVMQRTGPASLDVDMHLCFFDAACQKLYHQLLHYPSEIVP
LLDLVVRREMEELRAGHQEQHESHLPHEPPVVQIRPFNLREVQGLRCLDPITVDTLVAIQ
GMVVRCSPPVVDLRIAHFSCCVCGHAHNVAVDRGRISEPAVCPSCGTRDSHRLEHNRCSE
ANKQLVRLQETPEAVPAGRTPASLAVYCFDDLVDAAVPGDRIEATGILRAQSVRVNPRAT
RVRSVYKTYLDVLHFRRITGMAGDSSEPPRLQSQRRELKIQDPQRRQPLPRRVGTASGRC
KLLTSEKKEELVALSRRPDIYDILTRSLAPSIWGLDDVKKGVLCMLFGGTQVRRVNDGEN
HDHDDTRPRKRGDINVLLCGDPGTSKSQLLAYVHKLTPRGIYTSKGKSSAVGLTASVVRD
PETRDPVLEAGALVLSDKGICCIDFDKMSDATRSVLHEAMEQQTVSVAKAGIVSSLRAR
ASILASANPSESRYNPRRSVVENLRLSPTLLSRFDLVYLVLDNASPDADRRLARHLVGLY
QETPTAGEPPLDTALLRDYIDYARATVHPRLGDAAEEELLERYLKLKRIKGTGNNGTLAAT
PRQLESLIRTSEALARMRHAPLISGADAREARLLSVATLASSTDPKTGRIEMVEVP
>comp5267_c0_seq1; 524 370 1680 LEN=1746; translated
MYTLHPPIPIRIESETTTTGIGGGGDNKSFVGSVRYQQQVAAPSESYNRGNANTSKNTAT
NPQHHRSTESPIFRCCNDTPLSSPSSSRHLSAPCCRLNFNPSADSETTRTTTTTATATT
ICTTDLKSLSSSLSTSPMVVGRSRPDCGAFFSSSSNLAASSASSPYFMRFQQQLPLRP
RSNTTISDESDMKEIITAGEEAKQTNEPNFEVVAGVDGHADSDSERERGEHFTSADEAGP
LEPGISSSIGSSLFRTTRYNSSESDSSDGNAYNTAVFDPGLDFLRKNYNYRTACELSRD
PSREEVLPGRESASKSTAVVFCQDQGSKHPRQAPTSQSTRQSLGSIQDDGTSCKHPEALA
MKLHRKHTRATYVMGGAAVGTMLLPVVGTVVGGALSGYSVNLYLKRKEKHAQRKWDRDNF
QTNADASPVAKYAVFV
>comp5268_c0_seq1; 208 212 712 LEN=1306; translated
MAPRQRNISPPSPATSEDEDSSSFDDGLKAPLIQGEHPAPAMTANKVDATTRAPPKSLRI
TEADIARDNHDWFNVVALPVVVIACALNYEYPSFHYSKGFWSMWAATTMYFFLDFSWVT
IVPTCVKSPVVIQKHHVAMIYLLGPIIYYPQYRWLMGAILSVEVNTW
>comp5269_c0_seq1; 628 1 2026 LEN=2669; translated
XGGNGWILSVLATMILLAAGVNVYVSVSQDFSATDWIAGASTRDMPHIREMTSTTHILST
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PEPAPKQTPTTKTVAQTVDEGQDEQPDRTGNSNSILDEIIANFTEPKIKLLKSQKEMDW
FRKRAILFRDEIIVAKKIRSFYKATDDPLSRSGDPDHYAIDQGNNTVAAKRIYDENKL
AEFNKMNNISGRPDPSSEGPYLDVMVAGNPKCGTTLTLMANLRR IAPMPVKDVCTGATHTLR
FAYLNWPNDPNCNALVTEHLGPDQTRWMRGSKCPRLLNSNLLLGHSAALLPSTKLIIGIRH
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LMCLHRSRLHLTLARLKGKTALSKEELKLLAPNDNDGGENLNFNAIQNPVFLYDLTQMRND
TYWEDLAGYLGVSNVPHDYRSGHGVNRHKNLIRSSAKDYKKNLLCDPHLDFFRSKIM
TYSYELGMWIQNYWLPVAADPDRPDVVVAGGTSNTSATDEFWAI AETYKVDPCGRLVRRP
SDGLYVLRGDVGDDETNSTAVEFPTGTAPLHPVYGHLLNTTAVPQCRSHKKAQQKRTKDEKS
FGTTGLAPSSAAGRT
>comp5270_c0_seq1; 475 139 1020 LEN=1174; translated
MVLYIIGLGLSDEKDI TVRGLLELVKQADSIFLEAYTSILGGVPKEKLEAFYKPVTVADR
GMCENDADELIIDPAKEKNIAFLVVGDPVCATHTTDLVLRRAKEVGVKVMVHNASIMGAA
GACGLQLYNYGQTVSIPFFDDKWRPTSFYPKIKYNNRRGMHTLCLLDIKVKEPFDAMMK
GRTEFLPPRYMSVNVAAEQLEAEKLEGEVYDGGKTL CVGLARMGQPTQKIVAGTLEEL
TQADLGGPLHSLIICGELHLDLVDVKEYLIEGSTYQREFEDKSQDNENGAEN
>comp5272_c0_seq1; 1194 1 3274 LEN=3359; translated
XTCKAVPSSSESVLKTNIASSTPNKFSLLARRFWTSKALELAIGIGMRIIGEAVMAFLLSA
LALRGIGVSSFLRQAVSRTSTTLAAKGGGGGRKKRPNKPFASITILPDTGFNQANAV
KREPEIQEFWKDYGLYDKLSETASAEGKERFVLHDGPPYANGSLHCGHALNKILKDFINR
KQALNGKQVHYIPGWDCHGLPIELKVLQTMKSKERQGLTPVTLREKAASFAKATVEDQSK
SFQRYGIFGDFEKPYLTLQPKFEAAQIRVFGEMFQKGFIFRGRKPVHWSPPSSRTALAEAE
LEYPENHVSKSIYVGFVVEPSDGLKEYHSEDEPVKVAIWTTTPWTMPANLAVAINPELS

YSVVNHASTGKLVVATDLIETIANKVGLPEGESFEIVSTMPGSDLVGTKYTHPLYDRNSP
VLEGGDYITTESGTGLVHTAPGHGQEDYLTGLKNGLELLSPVDDAGKFTIEAGEEFKGLN
VLGEGNQAMIDALTTAGALLKVEDYGHKYPYDWRRTKKPTIFRATDQWFASVEGFRRSALK
AVDTVQWVPEIGKNRINSFVVGRGDWCISRQRSWGVPIPVFYDRETGNEVLLNDSTLEHI
EKIFAEOGSDAWWKLDEVDLLPEELKAEADKWKKTDTMDVWFDSGSSWAGVASERDELA
YPADMYLEGSDQHRGWFOSSLLTSVAVNDKAPYKTVLTHGFVLEDEKGFKMSKSLGNVIDP
LYVIEGNNKKLEPAYGADVLRRLWVASVDYSGDVGIGPNIKQTFESYRKLNRNTARYLIG
NLADFVPEGQPDSTAVPYDELPSLDKWMLGRLSASLKEVDEAMDAFEFQRATQELLRFAT
AEMSNFYLDVAKDRLYISASDDFRRRSCQTVLHALIEGFAGIASILPHMAEDIWQNLPI
EKTTESEVFEGGWPAHLAEFEQFESEKDWLVRAVRDDVNKMLEGARNDKLVGASLDAAAYL
YMADEEKRKILESLAGDVSLVPPVKTNGVDELRTTLMLSQIHIVDSPEKISESCDEKYI
STADTISGCVVGVAKAKGTKCGRCWFYDEQIGKHGLPHDDACQRCNDIAIVFEKTTGPEF
VRPPVEEPVEA

>comp5273_c0_seq1; 134 1 555 LEN=1066; translated
XTAKHKTENCQQQRNQNTKVTIATLYGIFQDEHKCKKTTFKDFKRLQNDPPSGVTGAPM
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DILQNQWSPYIDISAILTSIQSLLCDPNPASPANSEASRLYNENRREYNRRVREIVEQSW
QDES

>comp5274_c0_seq1; 473 561 2489 LEN=3004; translated
MAEKNHRVSDSSLLLEEKSMNSMRIESNVFRMQSSIADLSIDLSTNSGSGMRCGINDPS
KVSLEIHKQTRSDPNPDYDYPQDYCFPRGLFPFNQSTEERRSDTAEYQHCHGLHQQDVHT
FPHAPNLHAPSPTFCQRPIMIGPQLTSQQTGTGCTAQSSFIFASSRINFASPIVKSIRQDV
RSMTEGTRLVPHVHEGQPNDRSIRFLNNTTEDTLQTRVILGTGSFTQVTSVTINPRRNDSD
RQGSQTNHEYRYACKALKQELISTGGDEFRHAASQLAYEAHVLSCLDHPNIKIRGLDD
KGVVLFERTDRGFLLMDVLCETLQDRIDRWGKSSTTYAMNMTGSNFHGNHYGKGNMNV
ALLRRHLKVVICLLELASALEYIHANHIHRDLKPANIGFSSTPCPNHPEGEEIYTRLQL
FDFGLCHEFTPSRSTNTLTKMVGTMRYMAPEVCLEMTYDYSCDIYSYAVVCWELWTHRT
PFEAMTSDLYRELVCRRGFRPYDQSKEEYDSLRFWSDPRTKRESSMRETLNKNLPI
REISVLLSQAWTPDPQSRISCSRIQNQLKLYKTLVELQLEAQDLSESANNTDFDEGNNDH
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>comp5274_c0_seq2; 473 435 2363 LEN=2878; translated
MAEKNHRVSDSSLLLEEKSMNSMRIESNVFRMQSSIADLSIDLSTNSGSGMRCGINDPS
KVSLEIHKQTRSDPNPDYDYPQDYCFPRGLFPFNQSTEERRSDTAEYQHCHGLHQQDVHT
FPHAPNLHAPSPTFCQRPIMIGPQLTSQQTGTGCTAQSSFIFASSRINFASPIVKSIRQDV
RSMTEGTRLVPHVHEGQPNDRSIRFLNNTTEDTLQTRVILGTGSFTQVTSVTINPRRNDSD
RQGSQTNHEYRYACKALKQELISTGGDEFRHAASQLAYEAHVLSCLDHPNIKIRGLDD
KGVVLFERTDRGFLLMDVLCETLQDRIDRWGKSSTTYAMNMTGSNFHGNHYGKGNMNV
ALLRRHLKVVICLLELASALEYIHANHIHRDLKPANIGFSSTPCPNHPEGEEIYTRLQL
FDFGLCHEFTPSRSTNTLTKMVGTMRYMAPEVCLEMTYDYSCDIYSYAVVCWELWTHRT
PFEAMTSDLYRELVCRRGFRPYDQSKEEYDSLRFWSDPRTKRESSMRETLNKNLPI
REISVLLSQAWTPDPQSRISCSRIQNQLKLYKTLVELQLEAQDLSESANNTDFDEGNNDH
DNHDVHEYCKNYDEEDAQQAFQTFVTDNVNYSIDRASWKCCD

>comp5275_c0_seq1; 794 525 3659 LEN=4141; translated
MPSQSRGFACDYCGLQHDTLLEAIEHEQTQCPQALQAAARTRPIGYLNAQPQQGLPQQY
PSYYLQQQQQQQQQQQQQQQHRHGFTTGMGPLVSSSTQGAETYPYARSAHYGEYGRRI
SQAPAVPGMEAAYSQKSGEGILASTQTTSRPCISLFDSPDPGERLNRDPVTLIQNIEL
FEATPEVIAEYERTSGDTNRIEPNQVGI RCNCGSGSNSSGSRSTISGAILFPIDLET
IGECARISDRHLISCEMTNPDARELGVAAASARGNNENDDQSSKLLVDYCVQFCREVG
ISKRGNNKLGIEF IGSSATPHGESFVPPSQQQQYLTMTQTRPLGVGTGGHGTRQRSQSD
TPPANFPFYQENDRTWHCRYCSYIPHLRDPKSIWSSPSGVHPPNSFVDQHLSLCRAIRQ
QSISSMPLPGRGLLPSEQSPFVLPVSYANPPSMQLGMQGISYPPVSWEATTALGGMGGM
QYPPVGLLPHPHQDPSNYRYGYLPPGLVQPHSLDNSLGGRSGGRFLPMGQGDNRGGYSER
GAPIMPSMQAAGAMGPSYALGSGDNTADSMKDAMSFLASYDADYARDPASAEIPKLVLD
EDHLLLTDFYFWLMKQLRLVRF'TENDRKRTRGGKREKIKVGYGGLQC IHCADLPMSRKF
SNVDRLANSFAEIPGHVLCRRCPQANKDALMRLKKGHPDQMSKLPGRSQKIFFRRMWR
LHEGDPQDDVVVESTARAHAGSESKPPVPTIKTSPEKSIEDLSHSGSITVTSDETILVI
QRSAKEAAKALAE STLNKSGPLSPSSRILVAIPEDKEWLSIDSYVRKQLEVF CATEADV
AAKADRKYPI SVGQVGIRCIHCAISQGNDAVGHAIAYPYISIGIYESVKEFHRLHLDSC
PNLPATSKAKLKSMMKGASSLSSVLRKYTLAAKALGLVDTKEGIRTGGESTPINSVAAFT
FSEVDDAEPLTKTKEGGEKETEPNLHGTTNTQAIRRNETGESTNEHFEEAAASTSVGMKRS

GSFTSPEMESQPKMAKTDGGPTEV

>comp5276_c0_seq1; 553 82 1692 LEN=1948; translated
MTNKLHLLFGCYSFVAVLSALSNGFIVKCTESRSGRIIHTNHIAESVVRLLKVLQSPELD
SSNEKEADGSEKKWVEDFTFENGDAARCRPDFEILSSTTIGDDNSIEPNGNGNTDSSDE
TGKINKKRLIYLDGATSQKPAQVIQDTAEYYEHTNSNVHRGAHTLSRKATAAFEDGRDT
VASFINANSRNEIVFTSGATEALNLVASSYSRAIKLKEGDEILLTEMEHHSNLVWPQIIA
QETGAVLRFVKIDFENTGCLDLDHMETLLNENTKIVGFQHVSNVMACINPVKKMVAMVRA
KASPNAIIVLDACQSLPHMKVDVQSLGVDFLAASGHKMCPTGIGFLWGKEELNSMPPF
MGGGEMIDQVTLEGCTFAPAPARFEAGTPPIAEVVGLASAIRYLNSVGMKVEAFEHEIA
AYLYDRLSEVDRVTVLGPPKGVVERAALCAFYVDGVHPSDLSTFLDMEGVAIRAGHHCCQP
LHQACGISHSARASLYIYNTKHDVDCFIEHLENTIKFFFTGLQNESEGQDDDFVPI

>comp5277_c0_seq1; 430 103 1176 LEN=1956; translated
MKIPTSIFLALTTTCRVVDGLARGPIRSQLSKRSLVDTPIRRISITPEVSSSENVRNEIE
QTSKPAIQSRKQALRSIFVASTTCVLSSTLATSPSVAYDSSFPVELSDADKSKFVTIGK
RINSQQRKENAEMAKVKMDQNLASFNLKNDLPLSLTWGLALFFASGSRSNPLANPLANI
YDEKEEKWLEDNAGLFSPLPLPFLFLLGFVFFLLGTVTQYIFLQLAEGDSGVCAGLAGV
ALINGGFFEFGRIASGEKRMTRDEKDRAVELNEEFGEFAEKRLQSGGSCHRSDVVKSFRR
YFAKYRQADSQQYPLTDLEIEKLLRFWNETQNERKAEMTSSGFYYGIQINSDADVFA

>comp5277_c0_seq2; 248 270 566 LEN=1346; translated
MTRDEKDRAVELNEEFGEFAEKRLQSGGSCHRSDVVKSFRRYFAKYRQADSQQYPLTDLE
IEKLLRFWNETQNERKAEMTSSGFYYGIQINSDADVFA

>comp5278_c0_seq1; 400 1 754 LEN=1160; minus strand; translated
XVVAAVAVAVVAVVAVVAAFLPTRGRPLRLGRHDHPRLGKEVDDSEVPVELVLPERLVVVG
EHLAKDESLLGRGDLVDPGRPPLEGSDRPSGRAGDRESLLGRVEDGDLHVRGGIGFPAL
AFNVAAAAAAAFERMFGFSAGGSQRLVVKGTVVRGGSVHRVVAGDAGVPAAVAPIGGGG
RHGGSVVVAAPSDRPVIAVGVIRVVRGDVNVVDVVDVSVVDVNVAGVAGVLFVSWTKHKD
GCRVVLVSDFG

>comp5281_c0_seq1; 291 300 1328 LEN=2484; translated
MQAATQKALPLAIRHVNATDTNTPQKSNNYPSAKTTTIHNMTTADTSPVESSSQTCPRQ
VLLHENAQQLNNAANFMVEVGLDEAIDALALLESLRDFEAPAGDETSRVYCLDECIK
QPLETGHTTPIASILRLNRHRNDPPDRKRPRGFNFIDRALPCIDIHYRPIRVITGGQSMG
GNFHAIIVTYNTALAFHLRASFMTTTIAKYEYVSTQRQLQRLQQLLELRRALALYELAYEIQR
DQNTRGPMVMQTNADESKGSVYFQSILLNNVGHIIHLLMNNPVNYKRCVEKISISIEATKL
VRAETENDYGDKKKNNDSFLRKRSSPATVFSFDEERNSSTIAM

>comp5282_c0_seq1; 252 1076 2221 LEN=2379; translated
MEGNRAYVRLQCYDIDSAHPLVEAHARMYVLDHKLKMHPLRLMDPNDLGGVLYPSVPAD
IVHHIDCHSPLSPQRLPFVERSNGLVLRTLDSSTGNRDQIICPVCGEAYGTYERLKKHVE
YNAMIEAKEGDYPTERSHVGFQFPVIKPLTLDDVRSHEETLSEIIVVVEAIDPQLSGTF
QSLQSYKYEDIVFGSEFAKCMSVNKERTEFLVDMQQFHKTYYKNNPSIKHNI FDSIKRTKS
DKTDPSTEHRVFDMSKRLKSDKSIENRRFLLSHISEDTFEDDVSEYHEQDIDLDDDEVSL
ENGGTYFSRSYNTFSSLHNP SGNLASIFTGRFHSSQSTRRSSTSSILSTNSSITVSEEEI
NTSMSQKRPTYDRLPSYSSHV

>comp5282_c0_seq2; 252 1195 2340 LEN=2498; translated
MEGNRAYVRLQCYDIDSAHPLVEAHARMYVLDHKLKMHPLRLMDPNDLGGVLYPSVPAD
IVHHIDCHSPLSPQRLPFVERSNGLVLRTLDSSTGNRDQIICPVCGEAYGTYERLKKHVE
YNAMIEAKEGDYPTERSHVGFQFPVIKPLTLDDVRSHEETLSEIIVVVEAIDPQLSGTF
QSLQSYKYEDIVFGSEFAKCMSVNKERTEFLVDMQQFHKTYYKNNPSIKHNI FDSIKRTKS
DKTDPSTEHRVFDMSKRLKSDKSIENRRFLLSHISEDTFEDDVSEYHEQDIDLDDDEVSL
ENGGTYFSRSYNTFSSLHNP SGNLASIFTGRFHSSQSTRRSSTSSILSTNSSITVSEEEI
NTSMSQKRPTYDRLPSYSSHV

>comp5283_c0_seq1; 207 125 1153 LEN=1233; translated
MKSRESIPNQSILLRYFISAVSVQVVLQLIYIDFRISSTLTHNIFHSAPDETSANHTSLR
DVSGQGVSHHDTGAIPTIEALASTTTFSSTLGNLYMKYKKEIADYRPIMRKWCEETKSC
KFGDYEVEMLYMLVREHKPQNVFEMAPNRGYSSHWILHALHLNDATSKLHSFDIHDSTK
FMSPDYQARWVFTLGDYSELYDEGKLEMDGYDFLVDALHEPEFARGYCQRLFANHIRPN
TVVAIHDIADSSGRGRESEEVYKYLAMANNARNVFTYSRFAMPNSLYAPQTDIVLPKIN
KIRSDLGIIPDCGTPENCAKHDQGFMYFENNDAPTIFFTLN

>comp5285_c0_seq1; 486 25 1179 LEN=1516; translated
MTLLRERETTIRELKEGSEEELEEKQLRQLQKSLSVYESTIESLKGKETETEVELEKVTAL
EKHDARMGELEETDHIRQKATEEMANATATAAASSAKLILELQEALKERDEEIAELEADL

EEFESEIERRNNNSQHOREQPQSGELRTLLEEKKEKRIQQLEKERMARAEQSRSLQEKEISE
ESMEIIRDLQNLCCERDMKIESLKADHAKVEVHQLRGELEETARNHAKDMKVLVNRNTNALQ
VSLLEKMNRVAALEETNRELSGESYGSDFMANAVEEAARNSQRMERTLSWFSFSTEKKAQ
VSCVPESLDSSTAFLTTPCTSTSSSDSTTEDCTSSDEEKEPDRRMVGAAPRLPPLHSTEQ
PEILDDQGAVTGRRSSFWSMMRNQ

>comp5286_c0_seq1; 1489 308 2941 LEN=3210; translated
MPNNKNGQVKMSLGFDIGGEPGMAALPTRPKERGPDDDGSGFKRRSDYDNNRRDQEISR
SDGDDNWRGGGGDSFRGGGGGGFDDRRSGGYNRGGGGGYDRGGGRGYDRGGGGGYDRGG
GGGFDRYDNNRGGGFDRGSGYDRGGSGFDRFDRNDRRGYDNNNDRSGFDSFRRGGADR
GAPPDRRGFSSSQIGGVGSAGMRPRMQLKKRTVPLPEPQKEEEKKEVAPVEDKTAKEEA
VVEATQAPVTESASEKDETPVADVAPEPEEDGWETVEGVKNKSSKDASKAEKKSSEGGK
KNSEENAERKKKREPEVVNSRAAMLESAPTIKRDSNDANNNRRDGGRRNRGPPPVVNRKF
EQLADEERGGKQEREARRGPPVADSRFAAAAEADEMDRRSRDEFTRSEGPPAVVNSRFS
AAVEADKDYNNSNRNDDFDNGERGPPQETNSRFAAAAEADRDRNYNRENNYDRADRGPPV
ANSRFAAAAEADRDRNYNRENNYDRMDDRDRGPPPVANSRFAAAAEADRDRDYSDRDRDYD
GRGDRGPPQASSRFADAMENDRDRSYDRQNNRMDRDRGPPPVANSRFAAAAEADRDRY
SRDRDDYDGGGRNRYHDDRGRGDFDGGGRDGYDEQPRYQSRVQEPKSSVADLLKPKARME
ENILKVPTEKQASNFLAPPSKAQSENVLKPPTKAPAAKSKAPVAAPAPAVDHTAL
LAEFASGKKLGDLLKAWIESQAVIPSVEKLVFHLLETQPHSPDVECEWAAPEKYGAALL
SLVEDDLLKQMGVLFVAVQKYCDKIGMPKLDDEYVVQSMFRSMYKYDLADDETFAWKEDE
SPENEAGKLVKAVIQTVDFWNWLEEDDDDEEDYEDEE

>comp5287_c0_seq1; 574 84 1445 LEN=1494; translated
MRFTSSIVCAIAAFAASSTAFAPQARQGVSTARFSTAAEEVGVSVQVERNENFAKLAGGYLF
PEIGRRRNAYLEENPEMADRIISLIGIGDTTPIPPIHLNGLVEGAKKLGTAEGYSYGAE
QQGGLLEKIAKVLVNDLIDASEVVFVSDGAKCDIMRVQQMFGSKVVSAVQDPSYPVYVDT
SVMGQTVGNPETMQYDNIIVMKCGPENGFDPYANLPRADVYLCSPPNNPTGAAATKE
QLTEMVKLCKERSILVFDAAAYAPFIRSENVPKSIFEIEGAKDVAIEVNSFSKYAGFTGV
RLGWTVVPGLKFKDGLVDRDDFNVRVMTAFNGASNIQVAGGLACLDEEGQKEINTLIDY
YLENAKILRDTFEEIGYVVHGGTDAPYVFVELPEEIGGSWDAFSMILEKAQVVTIPGAGF
GPGGEGFLRLSAFAPRDSVIEACARLREVMKKD

>comp5288_c0_seq1; 306 252 943 LEN=943; translated
MAFSLCGSVSSLLFDFCFIWCLAMASGMTKSAPITKEPSSQRTTTRFKLQFDGCLRPPRD
PGFPTIPYMAVCSACVWVHRSRNSDWVDFDRNDVDDNDETLITPLAVGARALPVSTET
TSQHAIEYEGLLLGLQWVDFFSLPDWNIIQYTFEAENSRALENISGIDSYTSTMRQPQRVLI
SIEGDCKTVIDQLSGKAIIPRKLLESLHVRAQSLDELTRNRNVVINDDDDDX

>comp5289_c0_seq1; 117 1 292 LEN=363; translated
XEAKSRFPENLRIDYALSREQTNSKGGKMYIQDKVEEYADEVFSKLENGAHIYFCGLKGM
MPGIQDMLKGVADKKGLNYDEWLKLLKKNKQWHVEY

>comp5291_c0_seq1; 207 82 501 LEN=633; translated
MINRIPVLSAIISSAVIFVSLATDFTEARLGNPGRGLLPSKFTSSSASEVRDADLQAGN
SLDLRQQEINRHEEVPINEGVAVPNENEGCDVPCSDGSGRITVCHPRAGGFVQICTERES
FDDHKAKGDVCGLCISADM

>comp5292_c0_seq1; 508 196 1728 LEN=3188; translated
MRFFLLLVGILCSLSTPSWLVEFGQQQLPQTTLARSSVGNTQVFLGPPKIDEWELRS
GAVRGTVSNHPELDPGYEITTSPLETKPVAIKDNTVVVTLVSGSKYRLLKGIKTAASKDAK
AAPATPRSTMSLFGGTAKKEPKPAPAAAKAKPKPRAAKPAPVAKAKPKPTPKAKPAPK
APVKQAPKAKAAPAVDYNLNGKVVGKGCAYLLVGTQIRSSSKRSQIFYAYEADSOGVT
PTGPRLTVKLANSRERLAAESRNYDRVFSRGRVAFSLQGSASCVFVKKVALIENADDSPLT
KGI PRGSSALVLESQDQNLRTRALES GGGLKGGDLRKA AVNVCRCVESMHSSGLVWTDLK
AENFVVLAGSGEVRGIDLESADVRSAPADYSPEACPPEFAAAEKANRGYEFECLEKNYDT
WSLGMLLYELATGNNYFMGKSEDLITRNLATLELVDDESTGRVKGLDAIPDKNLQDLVDQC
LSVDPGKRPSIGQILLHPYFLTTGFGPITF

>comp5293_c0_seq1; 309 335 1300 LEN=1636; translated
MKFFGTPQAAMAAALSVASSTAFAPMPALVHGVPVLSAPHQRRRRRGARGTTTGLASSRQ
EDAEDRIVSLKKSWSDDQSGVCLPSEETEAPPALAMLGNLKKKYWKLPPAPEDQFIMTGDI
FTFLFYAFTSHSINDAIVGGLLEDPSLTIPEAVRELDPLQTVVKLQTPVWVDLASNPV
FGNPSVDHALEVTARESLMNHWGILLSTEGSACVALCTCWLAVAGYLHRSFSFDNSTYCGG
DKALTKTVETWATAALLLAWCAAGAEGLAGHPALQALVCGQCHPPSQVVLQSDLLFV
DSLTVLIAWRWSAHRILNTFR

>comp5294_c0_seq1; 757 188 2323 LEN=2423; translated

MKTPTLLLSTLLSSRAFNNGRYLVQHSLASQSRLYSQAEEKNNPVSVETKDDWISDSLS
DADDLQAGHLSPTSASQLSQFVQGPKNCLIFDTTLRDGTQGELVSASCDDKLKIATRL
AAFVDVYIEAGWPGSNPKGKSNRRNFEALLDPMGDTHGXDFLTLGAMQTDLEFFKRAK
AELTEHARSKLVAFGSSRRKNTAVEKDPQIQALVESDVSTVCMVVKAHSWQVTEILRATR
EENLQMIYDSVEYLTNLGKTVLVDLEHFFFDGYKDDPEYAIACCESAVDAGARCLVMCDTN
GGSMPWEVTDTTTTAMVKHFEPFCTIGIHCNDSGMAVANSIASCHAGVGLIQGTINGIGE
RTGNADLCSIVPSLALHVETDMTCKDKVPELTKLSRFVDEVLNRTNPNTAAPYVGRSAFAH
KGGLHVAAMERSPLSYQHVEPEESVGNEMRVLISELSGRQNI MGKMQDMFGSEMDVGQKSA
RSLAVLNRVKELENMGYQFEGADASVHLMILYSTQGYCPPFQVLDYSAQCYDQTMDSASR
LMTTRADSSTARATIKVRTVSDDPDLEGSGLSFVENLEVSDGAGPVDALAKAMLKALTPS
HPSLESIELTDYKVRILNPNAAATKAVTRVLIDFRDAETDQKWTTVSVDSNIVSASLNALV
DGFYALIEHSDTCMLCDDFFAYTKNPSVPSWWLASTLHLPKQRNEFATAI

>comp5294_c0_seq2; 760 188 2225 LEN=2325; translated
MKTPTLLLSTLLSSRAFNNGRYLVQHSLASQSRLYSQAEEKNNPVSVETKDDWISDSLS
DADDLQAGHLSPTSASQLSQFVQGPKNCLIFDTTLRDGTQGELVSASCDDKLKIATRL
AAFVDVYIEAGWPGSNPKDLEFFKRAKAEELTEHARSKLVAFGSSRRKNTAVEKDPQIQAL
VESDVSTVCMVVKAHSWQVTEILRATREENLQMIYDSVEYLTNLGKTVLVDLEHFFFDGYK
DDPEYAIACCESAVDAGARCLVMCDTNGGSMPWEVTDTTTTAMVKHFEPFCTIGIHCNDS
GMAVANSIASCHAGVGLIQGTINGIGERTGNADLCSIVPSLALHVETDMTCKDKVPELTK
LSRFVDEVLNRTNPNTAAPYVGRSAFAHKGGLHVAAMERSPLSYQHVEPEESVGNEMRVLIS
ELSGRQNI MGKMQDMFGSEMDVGQKSARSRLAVLNRVKELENMGYQFEGADASVHLMILYS
TQGYCPPFQVLDYSAQCYDQTMDSASRLMTTRADSSTARATIKVRTVSDDPDLEGSGLSF
VENLEVSDGAGPVDALAKAMLKALTPSHPSLESIELTDYKVRILNPNAAATKAVTRVLIDF
RDAETDQKWTTVSVDSNIVSASLNALVDGFYALIEHSDTCMLCDDFFAYTKNPSVPSWW
LASTLHLPKQRNEFATAI

>comp5295_c0_seq1; 263 77 745 LEN=866; translated
MKAKELKILRKALVKANRCEELLKGFGTETVLSVNNNANYENKLESCSGHNRKYCISIIIF
SLSRQMTENRFKECLGLFEKNMAEMYINSSWGLNMEEKSAELKDDKARFLALDDDCKLS
GFVHFRFEYDDEESPTCGVLYIYEIQIESIYRRCGVGRRLMRMTQRIAKEQSMTKILLTV
FKKNRQAMTFYRDKLGYGIDESSPSKFGDHDVDYEILSLKIS

>comp5296_c0_seq1; 560 1 1900 LEN=1978; translated
XQSLGHATPLTRHFLSNRFRSDLNASNPLGTGGKLAHAYEAFVKDAMMRAGRGA VSP TAL
KRAIALFAPRFANRNQHDAQEF LAYLLDGLHEDLNRI R R APYVEMPDVTDGQNTTIAAAE
AWNARRRNDSLVMDAFYQGQFQSTCVCPCRNHVSVSFD AFNHVSLEIPSSGAAWATVAVP
VLVHFS DGNRPVRYGVTLRQASVLDLKR AVASLSKIPPEKLI VTDVYENSIYKLLDDK
QSILSIKSTEDTIVAYEVTPYTVKDTLHMIVTHSLSTDP SRSGEAYADQTTSGAVGGTDG
GKGAGSDGNGDGP EENYFGLPFMTS IDAKNSSCRDLWQLLRGLVRRMVPEFTGPIAGEGG
SRPEKVLVHVVD AQGRPRRIVPKMGASGATSVLPECSKTLLSSILGEDCAENFLFLNLV
WKPLASNKNGSRIDPKRFLDFDIDPTL TEAIRRQOSTSRSSSTKQGVTL DQCFHSFSRPE
RLDRNNMWYCSRCKDHVQALKTMKLWRLPNILVVHLKRFEFKHALRRDKLTTYVDFPLAG
LDMNAHCARSNTTTDKNDFANSYVPADYDLFAVNNHYGR LGFGHYTSFAMQWDETGISKE
WNAFDSSVHPVEPSEVQSSAA YILFYRRRVFH

>comp5297_c0_seq1; 897 235 2604 LEN=2740; translated
MGHSRKLIRAI SPTISDHMRQNA AQRRTILGISKALDKRLYRMAKGVMPPISQTEQVALG
CGTIGFDRDIFTGNPSLQHLVDTYDPKLTDEEQAF LDNEVNTLCELLNDHDVSM EKDFNK
ECWDYMRDEGFFALKIPKEWGGKGFSTHAVSLILCKLSTQSFDANATVAVPNSLGP GELL
ARYGTDDQKEYFLPRLADGTLIPCFGLTGPHSGSDATSLIQSDCVVEERN GELGVVASFK
KRYITLAPVAGVIGLGLNLSDPQGLLEGKGT EGFTVALLERDHPGLEMGKRHMP LNAAF M
NGTVEGDNVWIPMSNILGGQERC GF GWHMFVECLA EGRGVSLPAGSAGCGRTVVSAIGAY
SRVRKQFRVPIAEFGGIQEALSQAGSDALIT IAGTDLMNAI VDNHEAPMVVSSIMKQNC T
ERGRRI VEHGMDIAGGAAICRGNNFMGNAYMSLP IAITVEGANIMTRSFQIIGQLTRC
HPHMLELIYSLQAPIEEEDKAIKTF TSQFYKVVNHGATNFVRSVTRGVGSTISSMTRSKK
EFRDGDKLLAHHEKQLLRLSANFALTADLCFTLGGRLKFEELLMGRLADAMGAI FLGYST
LHHYSRNRGVDGLEAITEHAMLRL EKDAQDALKEASDNFPGPLGTVASVVMKMGCFPLGS
ITRPYNAPNDLTKESRLLTTPSGLRDLFSEHVYMAPEGHIHQPSDLMRALPLC V EADK
IASSLRREKREPTQEETDIIAKAEALRDVLIQVDVFDHLTDAEGEGYVRPALLGTEERL
ASLDQKRF G

>comp5297_c0_seq2; 897 445 2814 LEN=2950; translated
MGHSRKLIRAI SPTISDHMRQNA AQRRTILGISKALDKRLYRMAKGVMPPISQTEQVALG
CGTIGFDRDIFTGNPSLQHLVDTYDPKLTDEEQAF LDNEVNTLCELLNDHDVSM EKDFNK

ECWDYMRDEGFFALKIPKEWGGKGFSTHAVSLILCKLSTQSFANATVAVPNSLGP GELL
ARYGTDDQKEYFLPRLADGTLIPCFGLTGP HSGSDATSLIQSDCVVEERN GELGVVASFK
KRYITLAPVAGVIGLGLNLSDPQGLLEGKGT EGFVALLERDHPGLEMGKRHMP LNAAF
MNGTVEGDNVWIPMSNILGGQERC GFGW HMFVECLA EGRGVSLPAGSAGCGRTV VSAIGAY
SRVRKQFRVPIAEFGGIQEALSQAGSDALIT IAGTDLMN AIVDNHEAPMVVSSIMKQ NCT
ERGRRIVEHGMDIAGGAAICRGNNFMGNAYMSLP IAITVEGANIMTRSFQII GQGLTRC
HPHMLELIYSLQAPIEEEDKAIKTF TFSQFYKVVNHGATNFVRSVTRGVGSTISSMTRSKK
EFRDGDKLLAHHEKQLLR LLSANFALTADLCFTLGGRLKFEELLMGRLADAMGAI FLGYST
LHHYSRNRGVDGLEAITEHAMLRL EKDAQDALKEASDNFPGPLGTVASVVMKMGCFPLGS
ITRPYNAPND DLTKEVSRLLTTPSGLRDLFSEHVYMAPEGHIHQPSDLMRALPLC V EADK
IASSLRREKREPTQEETDIIAKAEALRDVLIQVDVFDHLTDAEGEEGYVRPALLGTEERL
ASLDQKRF G

>comp5298_c0_seq1; 594 137 1972 LEN=2434; translated
MGPRERPRGDEPETTESTPLISNATPAAIVSVSSEATPGGSDPSSEARKHKEWLT TTTSA
LSFSLLVQSYLLVSVFPYSGFLSMHLIEGLTEETAGSYAGLIASSFMAGRTFSSFEWGKA
ADRYGRVSVIKASLLLSAVFSLFGLAGSFPMALALRFL LGVCNGLIGPIKTLVSEYAHG
DQTKETKTMGIVLGMWGYGFLINPAISGYLSDPAKQYPAELVEAFRPWLEEY PFFFLPNL
VGC GFCLVGYALTHAFVTETLPEEKRPFR LVP SIGLWSWIEAKTSQNP KILRTVSSWGL
FKHLHSEEDGEISENNWSVVVSP TGGQATDGGGDTNESRDDGGNTATIASLLQRNSTRQH
LLVYWVYSFLIITLDEIFPLFCISKTSGLGVTEKII GNILSGTGLVYVAMQYFLLTGLVN
RFGFYTALT VSAALSVPTGIWIPLSLVTNEGAAEGALNGASLAYLSIVYAFIRAFSSVVF
STITMLLNRTVPAHQRTMNGLSMLGGSLAKACGPLFGGVLF SRVNSVTPPF GSVLVYG
IMSALGGLLVLTQTF LRMHGDVDEPAQMS SSPPPPKRFPEDDPETEFCITMDCNDQEDS
SREETDSPPAF

>comp5299_c0_seq2; 220 1 466 LEN=490; translated
XHNNNNNNNINNNFI INNNIDRNMNMNMNVDDWFQ PQRQH QHDPHQIATMPDDRSDSDC
IEETPLRCIIISKAYSGNDLLWYMSKEVEVTDGGSRRRKTFSFYAP LLLDAPPDLPVYPSQ
TSM LVRQHQRWRGLAGSTTIQPPTVEVIDADDL DL

>comp5300_c0_seq1; 232 1 640 LEN=933; translated
XESSTIRRRKQYNTILAGPHHCTNTGTVIKKNQAKMISSTRFCLLASIACLW MFSATAF
VAGPAVARRSALFMAEGEEVKSAPKVS GEELEVMLQDWDTP LVIDAYATWCGPCLLMSPE
FEQA AKELDGKVRVFKLDTDENEEMAARLA INGLPTLLFLDKYTPPEGSDEEASAKEAGA
QAVLKGRIEGALQKQNILDFCNFHFFDGP EPKL

>comp5300_c0_seq2; 122 1 351 LEN=644; translated
RKPTHNHRFDRERC GPCLLMSPEFEQA AKELDGKVRVFKLDTDENEEMAARLA INGLPTL
LFLDKYTPPEGSDEEASAKEAGA QAVLKGRIEGALQKQNILDFCNFHFFDGP EPKL

>comp5301_c0_seq1; 441 72 1574 LEN=1636; translated
MKFGKVSQTIKANISGVGGSGHKLNDGGNRDAVQNDQPREAIVG PLQSEGNHAFISVRS
PWEWMDGVCTQNGAGLVAITRVGASGDLPSGKLASIAAVAVASHPRQSSTSRRRQQRGI
NTAATDANCTLRVEIVSNRSTGHNSNHARPWSLEVFHCTSQAFDGLDDKDELARTLKR CR
CEDMNISPPS QLINWDVTKEECRN VVGNLPHLSKESNGDSSTAI AVLKEP MGSRGTVGF
FVRDADEIHSII EQHRQRAVSESGFLDNLIAQKGRIPSWVLQAEVKPCLLIRDRRKFHIR
TYVVCVETNVM LDEPLDGE EEEEDLVKLF LYNRHEIRIASEPMPSSPCDAAGSSERSRG AH
ITETFDRGLLQDEPELVARNLHHKVENFVANAMEALY PDMERRVAR SASALDGENEASRG
CMVLP HKFAIAGLDDLVT EQERIYLL EANINPAAPPPE TVTEEFQSHLIGFFRDTMELVT
SGSKTSDRNNFFSTKSILRR

>comp5302_c0_seq2; 179 401 907 LEN=1396; translated
MTKEVIDAGGNV GASQAARLGKYFSLMMLVEVPASAVEPLEESLRTMKDLSASVCVAKDD
DDSDKVAETDSSGNTIGYQ GAL SLEGADHPGIVNKVTKILSSNGLNIDSLETTDELAPGG
GTVLFRMIGITHAYEPLSAGFDVEKIKQELEDLGN DLNCDIELIDLEE

>comp5303_c0_seq1; 1525 1 1525 LEN=1795; translated
XGADVGADVGADVDVDV DVESEPTSASKSIAKKVNGNSREQSSAFCLLVKDDNDILPEWI
AYHYHVFKMRRLIVALDPDSETSPLEILQSFASSETSFEGRFHLDF TIWNKDYTP EFFQ G
DKKDYSKIPITVKEEIHFKKKITDPKR LTAADIENRHILSTAWHRNETYNKRHQTVVKRV
AHKMNNHRFRQRI FVRECYRKIKEEQMDAYQVGQGEQQDSGSLISWTVHIDTDEF LVPN
PWISAYVQSN SSEHLTNHSSVNAYEHKEDYEKLLNLTGYKPHDLVALYPKRPSD VSLWNF
FSDYISKLP RYKECIVIPRVLFGDKEEDDGTSISTTFANFSGMSASWNHAKFQSLRWKYH
ARFNSSI ELSKTIVRTNTLDLTSNRGSEPVIS IHRPLDSCPPQELSLQIYPKVR RVHKPL
VAYHYLGSQERYLSRKDPRRNILSFRKLN SHANDAIGDENYDADMTNTTQDHPSIWLEGW
LDAFIE THGADAVFTVLGNPYATVHMQQ

>comp5304_c0_seq1; 322 1 1202 LEN=2205; translated
XPFSIMRQTPSMIVVLPRAMRITFLLLLQQFYGAAFQREPHLHLRGVQYHSSNLGRSSCV
PSLVQINTRTCPVAISMLPTLPPSYEYDSSVSFFQQRATGTRIRGRKELERSVQRWEKDFR
EAVDDELVRTILNDGGGNGMKLQLQPRLDTVSATTTSPPTLLVVRWNLTYYVDPVQVMVSL
AESVPGWTVDLSTYTDKVEEERRFSYSAVGRLFARAI FTGCFRVPMACIEGVSTCEFVQT
ESGDTSSKRRKIRSIVEDLAYAQDLNRGVMANRLCARDLQFFLETVRKPPPEYYNELNSAE
AKRSGSGTNGVKQDDEYWEDRLASLLPWRVSPGMMDPLYIEAQAEEDIAVNLPVLFGVF
SIAVVVLFASWIAPNLIGQSLFGQPSYIVPPSELNEIIAF
>comp5305_c0_seq1; 330 13 889 LEN=1145; translated
MSFDDNGGKFFAGGTFVSVIVLSSVATNFVTNLATERITKAKCHEGDPRIDEDQDCPEGDV
DKAKSKPKKGGNATKKSVRKKTSTSAAKKKNASVKKTGRKKQMITDTDKKTDDSRQSDSS
DDDPEWEAYHLHSEKSESDAFWNENYRRLQEFHSTHGHSGVPIHWRVPEQFADWVSRQRQ
FFREIQSGYRRPSIRDEGRWKRLQILNFPLDYEKWHWQQKYNELIEVLHGKEYDENNTNI
PETLKVWANHQIYLNQSDVHSRIDSERRRGLEILGVLKKNRVEDCASYS
>comp5306_c0_seq1; 635 144 2159 LEN=2248; translated
MKIAAATSULLVAHAQRTEASGRVAETDKVQTATTREAVEPSGLLRSSARATLRGRHNEN
VLGEYKSKSERRNLERNKTALNKLGNLEELKNRRKTLQRTSKNYEEEEIAVPTSHEDQQL
VDLGLGKGRLLLESSERTDKESIFDQNSVRDPSVATTADEETKDQGTSTTSAPIDVFDGAA
EENDFFLANAHYLCEYENCNCGSFSFESMQGIIQCSSEVVATGGYCATTMNYCGEPVDVC
YRETSSLEAVGPQDYTYTVCSTFSKPYQQHICVTFDASAEDDNNINTRSEVLSDNNGISE
VVNYSQSSAPCKVEFNNERCSSCSTELRTYERIFVDQSIGDRHVLSSYQRRFCQVDCSNA
AAQDHVFNTCDTNDLSTLRENVVFGDDCTRCPPCGMGFHM TAGTAMGSFPVIGDYQCSGL
ELGAI TGFFSRDVCGDIQSKAKEYCGCEPNFYDPNLVLPPELLTEDIEAEKSRAIGGDGDE
LEISNPDNMFVLPGDTIGAESCHLCGANSAKIANPNLVYLPNGKQTTCAALEGAGRLGM
MTVDYCKFIAMPLAFAECGGCLTWGKGEDEEVDAGHAGPWTTSD EILRLNGNPVNETTS
PIPRLYRENQELNVTSPLNATSPPKTSSPTASPPKAVSALSTDEESSAPIGSTMLSCFT
MVPISLLVYFS
>comp5307_c0_seq1; 652 1 1731 LEN=1873; translated
PTASPTASPTASPTADPTVTPPFAGIVSYEFPATETTDFLHGLCVKGAASPKKIAVTSND
ETLSYTKIPKFKEGTKLWSKFKQFVGPLGKDMCLGGTYLQPN EIRLIPKGTKISLEAPAG
FDKPV TICAFVEANGPKRDGGWPAPLKDDGFKVSEPFDWASGNEKDNLARFYCKEFTVEE
PEDELDRFELFAVGDNKKPYGKLEATSPLTAKVFFEAHPQQFIKKN SVVDVALYAKVPK
GKSCDKGTLSSADGYDVEVGELFEYPEYNKLYGGKGPFPSTSNGLIGAAEFIIISDFTA
PSGDSQIYFPVGDGDGEINLCVQVSTQIDYRGNKGDIVSRIDTHYAVSVDLTGDFEFK
EQTVKIQSTDASDLKDQIQSAVDVTAFLCKKGNKPIEEITFREGE DFRICVQPVVEKDTR
LDYSVVKFDEVVCSNAEIRDVITKKGPDALTLVDKAPDKKGT LGFASVVTNGYLSKNED
SFLCAGKVTLRSKQKQILPGRALRSEETVAEFLIQRRAE EEAADDENSEGGVFGLGIKI
APPTDEDAAYSAPASVASPVSMFALAVASMMATLWF
>comp5308_c0_seq1; 365 1 1080 LEN=1173; translated
DDKSDKDDKDNRSKEDKDEKNDKSNNDKSDKEDKVDKDRSKENKDD SPTQSPTAFLTS
SFSSTSSWVSTDPDNDSPIGSPTQRPTQRPTRKRNPTRNPTKNPTRNPTQSPT EAGTSS
STSTTTEIENAEIENDNNSNQINSQNDKDNNTSNSSSNNDGGSNNGSSSSSNN SAPF SFL
DLPRNLPDRWRAGYDFGGAASDPRDRSGGERDACVEDAPPYLLSLGPEPDRELQGP PPRP
FGEGLPPTELCCGSLAKYFAVASGKACGFLQVPS PSSL SVAKSWDHAPGVL CVLES GGD
VRIVEGNGVGGGSLPAFCGREFP MGGGIVCVARESSPAVRERLFGSLRRG REEARGWPG
>comp5308_c0_seq2; 346 1 1519 LEN=1612; translated
EDADADPKQRLRLRGDTRLPVVAFLVGTALAAFFRAKGSLSRSPSPSR SLLLPA AAAAL
AFRPMPTARSRAFRRNGTGRAEAGSESELQAQAQASSPAAWGGDLHEEAGVA AELVANA
LRLCLELRPRCQEFTSESKSEGAFFRRDKADGTPLTALDLAIQGYVLSNLHRSFGGDSFLA
EEDASLLRGAPDHKGLSERSHGLASRLDPGLGFGEFLDAIDLGTNGVCGGNRKGESDT
NGRCWILDPIDGTKGFLKGHYTIGLALCIDGLPVVGV LGNPCSPSIESSTMVAVKHGHL
RYYRGGPCCSGNNGSSSSNNSAPFSFLDLPRNLPDRWRAGYDFGGAASDPRDRSGGERDAC
VEDAPPYLLSLGPEPDRELQGP PPRPFGEGLPPTELCCGSLAKYFAVASGKACGFLQVPS
PSSSL SVAKSWDHAPGVL CVLES GGDVRIVEGNGVGGGSLPAFCGREFP MGGGIVCVARE
SSPAVRERLFGSLRRG REEARGWPG
>comp5309_c0_seq1; 384 1 1535 LEN=1572; translated
XQIRIHSTCVATVRQSLRAGQILSSTDHPASTRALPDRLSEGIKAE EHGECTTDGGVIL
FADTQGIMFSFCERQRPRLRILAASFV VACAKATPPTGDAPASVSTGDFLFE EEPHSE
FSDCELGCANGGYCRFVHGTEEDLARAAMSGALVESCRCP EGF TGKTCQFLAGADVPPER
RCQGETNAETQASFHGCDAFADAVSDFAGAMCRSPVTEYCGGGFGVQSRASVSFCTNG

GRCKRDKVIEATFLPKDPEGGRSSDGTGCLCPRNIFYGPHCEFLRMDPSDGNLVFAEVEVA
PDDTRLSSGGTDPSSSTSPSASSLRSTVDYETATKSRGAATLVFLLAPVTIIGLLALSVCVS
RTFLARHPGAAHRTGMLQRARLFLRRSNGSKDHKTGALSSSLSSKPWDGRSDTSSDCSDN
GYRHCCSYADDENKVFVDQVNFNEEDELGIASMASRLDLGPIDEDTERPDAFXATNHEARR
VSMYRLHRVSKVWRLALIWTDLGGLLQSSV

>comp5310_c0_seq1; 333 1 1426 LEN=1574; translated
XYACLKLFVIKPRKLSAVFLLLHSNSLYMNTNSSLFRLKMRITAYLHWLFFPPLVSA
EAVSPLVFRGGSANRLDQGSNALVPDLGQDILQEKKLNTNSAVDEKYLERIVQSQWEKHR
RWRVAVAKKRKFKVDASRISKLVLSFGAVAQVGSTQLDKYASLSKYKSTASLLGSVCIAA
AGLIKNIKILTDEKIHMHVTSYATSQAIAEVYKFRANVKPYSQFKMNPDEALNLLRSRCS
SISESTSDEKFYLTRQDSSPPPGWLNTVDQYMEKRIDDMINRFYVVKRGRRLKQRAAFCSR
CENALLGLSGAASFCSAQQLSGPLQKVFSSTVGGWGAFTTVSAAFANHIAKEKFNDIAVE
YFEAAAKLQDVKDSWPPTAAMSGSPDWEEQVAKSENVILTTIEEWAKAKTGNEDLHLKAA
PPVKKDPVWNPVICGTDES GFYPASDRAEWLVTKNMTQADAQKKVMVEFPERF

>comp5311_c0_seq1; 474 350 2221 LEN=2510; translated
MMELDSYIDRYTGENRLRRLIIAAAGPRENCNLEQRKRALNLAEQQLRLRDDNVLLEYRE
IFGGGSEARRADPELFEGFPTYDANWANSTESRNNETRFVLEGRFTTAKSRLHKDAIRTA
CLALAAHDKRTGQDTFKSLADLLGKSRGDCGNEKNKYINNKAQVKNALYLAMDVCTTRV
QTAQLGLLIIESALNAGDYFMVREYTGVESTLHSLKEKVGVSSTISRNNRIDKNQDPNQ
DAILRDIGVKVQLAKGIERMVSGDYQTAANVLVALVMKESDGGIGSNNVSNENNHYYQEN
SDSDACHTLHWPGVTAPEDVALYAGLMCLVTRDRSKMIALADHPDALELVPSVKELLVHW
SRANYAPCMRAFMSAVGLSQSSQSSLAPLLSQPLPMGMVVDLYLTPCRWDALVQTIR
ETCLIEYIRPYQRVKLDELRLNLFVSSPTTNGNESTLDALIDMLADLIDRDLPTTTRL
DCREGVLFQTKALDPAAPNLQAMEEKILDDTHAMLVRLACLEHDLGLASNDASSLGGKRG
NMGGRQHLSRQKSSRPGCNQSQRSRSGILDSSSEDEECVAGNVYETFAPAASRANPRGDVGD
NDTHMIDAESSHANSAMPEDMY

>comp5312_c0_seq1; 346 1 1748 LEN=1968; translated
LTLGYAISAAVARSWAVYVSGFFHGWLQGYIVRESVVAIATAADNFLQWFVNLPI SNA
FGEQEQCCPLAAVILLCTSLLVGTAKESARFNTVMTILNISVLGFVVIVGWTTGNVKI
QENLLTPSFFPEGFDGVRAGLFFSYLGFDMVSCLESEVRNPEKNMPIGIVGSLVAST
IIYCVVSLTVGMVPIKLLGDDVPVNALLANACCTHNEQLQDIAIHSDDTYECLSYPS
KGSSIFALLFNRSRLISFAAIFGLTTATFACLMGQPRIFFSMAQDGLLFKIYGRVNPET
GVPTAGTIIITGITTAFAVACFVDLESLANTISLGLTQVFTFVNAGVIVLRMTPSLIQIEID
TKNDDEESDAGQGSNKKTEADAGWNLSSSENTAQNERSYLIPCKTNGRERTNNICSSCTA
TCCAERRSLLPDEGGAVLVREASREFRSSLRSISSIVDNGESFESQHLLEVELNGSKPY
WLTLIFTVSAVLFSASMSXLMHRNKVIGIDHYATFGSYVATTAEQLARDFQLPVRSGC
AIVRHIFQFLYDGFNALIHMVNNHPLASSGRLFLLLLRLNAPF

>comp5313_c0_seq1; 314 101 1219 LEN=1326; translated
MGNRSSSSVRSAGPPPLLSAAVVGDAKFRDFWMGNDSDVLDNAQDNNVLHALFSCRLEN
GRCSEILGFINESVPRSQLIKAHRRANKIGCTPLWILVAYGNVALLTEVLDRDFEKGQMD
LFSELIEQSNQGDSPFLATCSQGNMGMMRYLKEEITYPSQFKAALTRKNKKGTTPLOIT
VANNHESLLEYMLLVGEVVVRKQLEECNSIGLSLFHICSERNAHEILQTIKFMDDKSS
SDRSDTFDKIISLKDKNGANPIHVAFCGNVEVVEVWIDFVKKACSHVDNDSKSKIVAY
LDQLDGQGRTPYWLGVVQGRSRIGELLAGEGVDTENPKMVLEIEEAQEKROKASAARQHE
NQTIDGSALLNR

>comp5314_c0_seq1; 272 101 772 LEN=1084; translated
MAASPVNVYTEEKAQRLIRTFASLAFCLLIGWFEIMILRPAQDMAQEMEHLDPSEIISL
PFPLVNSTIFAILPVFVLMIVWTVYNPSTVGWKILSLIKVTGFI FVIFGLCGNDLIATWE
HSVSAALFLAALLCTNLTEKRTSKLLEELPFYDHSDDLSTIRLYTTLAFIIPFSILSVLD
HGDQKQRWPCPVFMGGTYGFAFGSVGGIFLNYFKAKKLEKVKV

>comp5314_c0_seq2; 257 349 1020 LEN=1332; translated
MTKNCWMSFPFVMAVYVQRCGNQNRVHFIQTNEFFAIRFCFSYGYAETQEHLDPSEIISL
PFPLVNSTIFAILPVFVLMIVWTVYNPSTVGWKILSLIKVTGFI FVIFGLCGNDLIATWE
HSVSAALFLAALLCTNLTEKRTSKLLEELPFYDHSDDLSTIRLYTTLAFIIPFSILSVLD
HGDQKQRWPCPVFMGGTYGFAFGSVGGIFLNYFKAKKLEKVKV

>comp5314_c0_seq3; 255 101 640 LEN=952; translated
MAASPEHLDPSEIISLPPFLVNSTIFAILPVFVLMIVWTVYNPSTVGWKILSLIKVTGFI
FVIFGLCGNDLIATWEHSVSAALFLAALLCTNLTEKRTSKLLEELPFYDHSDDLSTIRLY
TTLAFIIPFSILSVLDHGDQKQRWPCPVFMGGTYGFAFGSVGGIFLNYFKAKKLEKVKV

>comp5315_c0_seq1; 405 279 1467 LEN=1631; translated

MRLATPLSNL DVAKP ININTKSYYPSEKQQLKAYGFGLTENQSVSNHLREADVITYISNDE
CFGRGINFNVLNSNEVMCTDPFAGKTATCLGDSGGPLTDASGTTLIGVISFGSGCEADL
IPDGHVRLSQVSEWVQDQICLLSANRPASCGPSAEYRDPQAFEVVDFTHDFYPEHTTFA
VRSKSSQKTVYAGPEYIIPTRNGNHKESIFLVPGEYTFEVYDLEGNLLSERGNLWKISV
LFDGCTETEVASGGPSFKNEQGTFKVI SADKATHNSRCISKNDEIAIEMNECLTKKQAE
SAGVAFSTSCCAPDEATGKIELACFNKLG IHALSTTKPAQTQQIAVVGVLGMSADRV
LRQHQVETA AELVAKASGALQVEQGEITGISVEDE

>comp5315_c0_seq2; 498 285 1869 LEN=2033; translated
MMSYLIFFLLTLTASILEGSTIVADELEDPFAYMLRKPRI VNGDKSNPSNRPF FARAGYD
EYFYTDDILCGATLIWSDIAITAAHCQGFANGLLILDQQTNDYTKLTPINRQIRHPGWS
ISRQNLNYDVLV MRLATPLSNL DVAKP ININTKSYYPSEKQQLKAYGFGLTENQSVSNHL
READVITYISNDECFGRGINFNVLNSNEVMCTDPFAGKTATCLGDSGGPLTDASGTTLIG
VISFGSGCEADLIPDGHVRLSQVSEWVQDQICLLSANRPASCGPSAEYRDPQAFEVVDF
THDFYPEHTTFAVRSKSSQKTVYAGPEYIIPTRNGNHKESIFLVPGEYTFEVYDLEGNLL
SERGNLWKISV LFDGCTETEVASGGPSFKNEQGTFKVI SADKATHNSRCISKNDEIAIE
MNECLTKKQAE LSAGVAFSTSCCAPDEATGKIELACFNKLG IHALSTTKPAQTQQIAV
VGVLGMSADRVLRQHQVETA AELVAKASGALQVEQGEITGISVEDE

>comp5316_c0_seq1; 340 1 933 LEN=1010; translated
XTAIDIADQFDEPGRSSGHTIASAEFNNTTRKMAAGGSFFFRGAVLLAAGVALMASGGSD
SLRAAAF SAPSPARTGRIDNPLSALEPKTEATACGQETTTTTTAAANKAPAAAVSLGLAL
AVGASALAGEPANAYIPSDYASET VQTSIQDLKKASGNVDETFKVYESIAGIITEGKGVG
GQINYKGIQLERGYVADEDTTIYNPGLSLLTESEKERLVEAVIDARKAGLEGNQWSENNE
YAFEF LRQKLDPFHITELRGFLGIVPFYGAAYLAVLAVQQ LFRDGFQIAYLVGVAFFL
PIVGLVLAGP

>comp5317_c0_seq1; 875 53 1912 LEN=2076; translated
MDAESGECLANATLLSKVDA TFSNPVFVA AVVVLAAYLLVEKYAI IYHTKLWIEYLTTSI
PTLEVSMTP EESEDDGVKGD PVTEMLLNADDKSKLNCYDPSTKQFIGHAKNMTAEVNE
ILVKAKAAQAEWAKTTYAQR RMVLR TIQKYIVNHVEDICRVSARESGKPKVDAMGEILT
TCEKIR TICEWGEFWLRPDSRPTGPM MVHKS AWVEYVPLGVIVAIAPWNYPFHNSINHVI
SGLMAGNAVVGK VSEHASWSAAYFGRILHQALVVNGHNPDLVATVTGLAESGVALCTSPL
VDKII FTGSTPIGRRVMESAANL TPLVLELGGKDV MVFRGDVKVPTIVPFVMRGCFQNS
GQNCVGV ERVVVYESILDEFLEAVVPRVKALRQGNPLP SCGADGKVD CGSMIMPRQLEIV
KALVDDAVKKGAVLHCGGKPNPNLNGQFF EPTVLSGVTPEMDIFNQEVFGPVM TIVKVP
DDDEECIRLVNHCEFLGSSIFTADDARGLAMGKRFKTGMLTVNDYASNYLVQSLPFGGV
KESGFGRFAGIEGLRALCCERAICVDKSSWIRTSIPPVIDYPINAVKGF PFTESLVQLFY
NESILGKIKGIIGLIKNGA

>comp5317_c0_seq2; 875 141 2000 LEN=2164; translated
MDAESGECLANATLLSKVDA TFSNPVFVA AVVVLAAYLLVEKYAI IYHTKLWIEYLTTSI
PTLEVSMTP EESEDDGVKGD PVTEMLLNADDKSKLNCYDPSTKQFIGHAKNMTAEVNE
ILVKAKAAQAEWAKTTYAQR RMVLR TIQKYIVNHVEDICRVSARESGKPKVDAMGEILT
TCEKIR TICEWGEFWLRPDSRPTGPM MVHKS AWVEYVPLGVIVAIAPWNYPFHNSINHVI
SGLMAGNAVVGK VSEHASWSAAYFGRILHQALVVNGHNPDLVATVTGLAESGVALCTSPL
VDKII FTGSTPIGRRVMESAANL TPLVLELGGKDV MVFRGDVKVPTIVPFVMRGCFQNS
GQNCVGV ERVVVYESILDEFLEAVVPRVKALRQGNPLP SCGADGKVD CGSMIMPRQLEIV
KALVDDAVKKGAVLHCGGKPNPNLNGQFF EPTVLSGVTPEMDIFNQEVFGPVM TIVKVP
DDDEECIRLVNHCEFLGSSIFTADDARGLAMGKRFKTGMLTVNDYASNYLVQSLPFGGV
KESGFGRFAGIEGLRALCCERAICVDKSSWIRTSIPPVIDYPINAVKGF PFTESLVQLFY
NESILGKIKGIIGLIKNGA

>comp5318_c0_seq1; 444 734 1991 LEN=2073; translated
MKRVVVP EXENPPVQMPDKDAELRLADLQATITEEYKRGNF TNALATSQDLLKQTQQHFG
YNVDHPATASAMNNVGLMHKLLGNFTEARQHYVAAXAVYASVCGRDHASAMTLHNLGNL
NKSQVHF DASKATDRLSLVESALEYLEEAYAVRIAELGVEHPHTIATR SAIGSTLAAQV
LYQHKLVENNTEGSEKIRKQYVALNPQQITEQQWRAAEEHLRESLQTAIDNPRGKQIKNN
QHRKNSNKFRKNGGKVKIKQLQNKIPGNPGSSFSITTL SAASAAQNLA VFLKSLAMTMD
EDSPGRKYNLYEAKDLYENVQQV RTQLLPSDHPDYATKYSLAE LLEVLAAVPSSGEGTD
KEQEERQRHQESADALRQEIIDTYDPPNKKLEEIDSLVPNDESQRIEIVVEKTKGTQNH

>comp5319_c0_seq2; 411 52 1467 LEN=1667; translated
MGEPIVIQGTAVSAPAQT TQAVTYGAEFETPSSNNPEPAKTGCKDPLFAILFYCNVAALL
IVVVLYGIPAMRESDSSTNYLRVTAALVFGVTSFVAGLAGLFLITCPALMIKVG LIFS
VAVAIAYCVYAFLYLNLVFGILAVVFAALMACYARGVWSRIPFAAINMLTAATAVKANLG

VTIFAIFFTILEVAWLVLWAIAMVGVDKTTKCDANSQCDINYGILFGLFVCLFFFTQQVL
QSCVHNVAGTVATWWVAPNESGCCSKGVCNSFIRTVTTSFGSICFGSLIVAI IQALRAL
ASAARGNDAGFLACIAECILACLQSIVEYFNKWFAYVGVYGFYIEAGKNVMQLFRDR
GWEAIIADDLVGGAI FMLCCVLGLI IGVVGVVYASINSEFKTLAQDSLGAAFGIGFVAGL
FVASVILSTVASGVNTVIVMFADAPQEFNQNHPELSRKMRETWTQFYPGSV
>comp5319_c0_seq4; 368 52 1595 LEN=1795; translated
MGEPIVIQGTAVSAPAQTTQAVTYGAEFETPSSNNPEPAKTGCKDPLFAILFYCNVAALL
IVVVLYGIPAMRESDSSTNYLRVTAALVFGVTSFVAGLAGLFLITCPALMIKVGLIFS
VAVAIAYCVYAFLYLNLVFGILAVVFAALMACYARGVWSRIPFAAINMLTAATAVKANLG
VTIFAIFFTILEVAWLVLWAIAMVGVDKTTKCDANSQCDINYGILFGLFVCLFFFTQQVL
QSCVHNVAGTVATWWVAPNESGCCSKGVCNSFIRTVTTSFGSICFGSLIVAI IQALRAL
ASAARGNDAGFLACIAECILAXPPEYCGVFQQVGLHLCRYVKS LGFEIDYAYGVSVALK
ASRTLVLIDSVLFYLFHFSFCFTGVYGFYIEAGKNVMQLFRDRGWEAIIADDLVGGAI F
LCCVLGLI IGVVGVVYASINSEFKTLAQDSLGAAFGIGFVAGL FVASVILSTVASGVNT
VIVMFADAPQEFNQNHPELSRKMRETWTQFYPGSV
>comp5320_c0_seq1; 174 1 589 LEN=716; translated
XEVVQPSDAGTLQFFLEAKARTNTDTKRTASFPTIYLTTQYITILRANQKTHLAMVITMP
CRSLTGVLSSLLLLLLCSPPAASF LAPHRSHPTTHRGS LPLCSSFP PPGHPGGFPQ
QPPPGGAEATDDAAAGSEAEGQANTRFSKFAPDPSLDTDEFRLQLRENMKADLERRRSE
DPNRGNQVAKNYLDSL
>comp5320_c0_seq2; 174 1 589 LEN=920; translated
XEVVQPSDAGTLQFFLEAKARTNTDTKRTASFPTIYLTTQYITILRANQKTHLAMVITMP
CRSLTGVLSSLLLLLLCSPPAASF LAPHRSHPTTHRGS LPLCSSFP PPGHPGGFPQ
QPPPGGAEATDDAAAGSEAEGQANTRFSKFAPDPSLDTDEFRLQLRENMKADLERRRSE
DPNRGNQVAKNYLDSL
>comp5321_c0_seq1; 478 179 1546 LEN=1794; translated
MSDKTEDQNGSASSPNSNWTKEQLTGKSVVSTAGLAEATASKLTVSPPKRKSIGKAPKDE
GVDPSLWGRPGHLTDAQADTYLRFKEIVDLRGGDFRDTIFCFGEEEGEVFALCRWLRARK
FVFNVMVMVEGATKCEASAKKAGFYADPAVALGCAEAVYNRQYPQCYSGF AKNGSPV F
Y SKVGELDIDAVECVTTISNIVKYHWHYMMHDFANRLRAHKKKNPQFNEFECVCILDLANL
TMGKLN SKTLAI I KEQSAIDSLCFPETLNKMYLVNSPRFFSATWTVIKGWL DARTANKVE
VISSRKAMEKALLEYIDVDQLASDYGGKGPATQFSMEKDCFTGNLKR LHTETVYLRTTAS
VTCDIQAGEELEIAVYTRSTIGAKFTVSDAKGGPTWATDVP IKH DSEDL EKMP SNVTITK
ENIKGPATVEVKAKSMGGRFAGSTNYLVVFSVRSP
>comp5321_c0_seq2; 358 1360 2349 LEN=2597; translated
MVMVEGATKCEASAKKAGFYADPAVALGCAEAVYNRQYPQCYSGF AKNGSPV F
Y SKVGEL DIDAVECVTTISNIVKYHWHYMMHDFANRLRAHKKKNPQFNEFECVCILDLANL
TMGKLN SKTLAI I KEQSAIDSLCFPETLNKMYLVNSPRFFSATWTVIKGWL DARTANKVE
VISSRKAMEKALLEYIDVDQLASDYGGKGPATQFSMEKDCFTGNLKR LHTETVYLRTTAS
VTCDIQAGEELEIAVYTRSTIGAKFTVSDAKGGPTWATDVP IKH DSEDL EKMP SNVTIT
KENIKGPATVEVKAKSMGGRFAGSTNYLVVFSVRSP
>comp5322_c0_seq1; 669 325 2513 LEN=2513; translated
MVSLSSVPRFLVSAIFGLAAASQLLTARADVNF SITP SPTFSPT SFGCDQNNKAI FQESA
GSDNYPYDEDTIEILHQDIDSVTIRVHQLWHRDGAPMMAVAYRAEVGEQETCSMDVPEEG
LISYGSYHQYTAKCMHGYAEVSVYGFVGPAAFDVDECEACTVSDSNYIGYYVVVPCVPI
CDPKIPDCFEGTQVSLADIGDEQKCIYNSAPVTVVSENLP PAGDVPENVMFRVADTWAFD
DFSDGGRAQLSVYFQDPNGEDRCETA E VTPNFADVF EAKCDYDATATVVVSLSSDLHH
FP ELRPEICGPDDGLGGCAYEFVIPCMDGLICPESFTEPPTTFPTFSPTAGDENLLPTPF
GEVDCVDSATATFEGAVGNVKS VFLQEPVVIDS QDIDSVTLSIVQEFSPVAFPMVSVSY
RDPITLEQQCLERTDFGPGQDLGLMAACTKGF AEIELFFYVGF GDDFDPECEACSVPE
NNYAAVNI AVPCAPRCGPKVPNCVDGPIVVDADIDDDRP MCLYEFMPVVVEREDTPDD
MVFVRVENTWNPAL EFTGYSVGYVHPGYDFPICDGEFFDGRPPPLPEKPFARGSEKLAXD
PPPLDAKRAFQAPYFEFHQSPLLEAKCENGFASV FVS VYSQMIRHSAARLANDSENGCGL
RYDSGSCTYHVLVPCDESVRCGRQGTETPTLQSP TGVPTKSPTGSPTPGPTKSPTDAPTE
APT KAPTEAP
>comp5323_c0_seq1; 341 1 1038 LEN=1266; translated
PKQNKCVQNQNQNNQA SAEAAKLGVSFHYDASSFFRGLDVVLSVPLIRLQEA VDSLPIH
ELKGLVVDVGPLNDAPKSI LLDAFASYPDIDVLLTNPILGMLPREEDQPSSGKRPSSEA
GVTVMTPKHHNNPLMGGPTGSIWEGRMVVERARVANVPRCDRYLSIFERARCEVVEETS
NEHDSAIGDAQFVTHLIGRLLSRDHLLTPTPIMSEEYKDL SKIAEMAAAGSFDRFYGMK

YNHKTATNHIRKLRNLAALCELAARGAYLDAKEELARGDRQKLLSETRLLLQELAKTE
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>comp5324_c0_seq1; 234 801 980 LEN=1301; minus strand; translated
MFTFEVLDDAVDENSEAADLEELLHDAKWDEEDAMQEFVDDVRNRIQHERLMVFRLEEE
>comp5325_c0_seq1; 425 192 1064 LEN=1505; translated
MSSNDAVSSNNNSEEEILRKKLKPDPADQVIDAVRTYFYGGKEDVEIKLKKELESYDDR
NFWITVDGTDYLAKVHNGVESRDLIQYLQNDKEDNSYKKSIAIHLQNAIMKHLNNCGIST
NIPQEPDIATENTSSSTPVAVVSLPVHSHKDDSPPLVLRLLGWVSGRPMSDHHMLPIECLA
DAGRFLGNLSVALSSIPDADHLQAAKRYHQWDGKNTADLRDFVKYVTDERRRSIVNSVID
AFQKDLIDSKVAETSFKKSLIHADFNDANFLLGDDFCVSGVIDFGDSVER
>comp5325_c0_seq2; 404 192 1526 LEN=1586; translated
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NFWITVDGTDYLAKVHNGVESRDLIQYLQNDKEDNSYKKSIAIHLQNAIMKHLNNCGIST
NIPQEPDIATENTSSSTPVAVVSLPVHSHKDDSPPLVLRLLGWVSGRPMSDHHMLPIECLA
DAGRFLGNLSVALSSIPDADHLQAAKRYHQWDGKNTADLRDFVKYVTDERRRSIVNSVID
AFQKDLIDSKVAETSFKKSLIHADFNDANFLLGDDFCVSGVIDFGDSVESWNILDLSVAM
AYAMLNAFGKHQRSLAAAAAVLRGYNSVRPIGPEERRYPLLLIACRLSCSATLGAYSQAQ
NPGNEYLLLHATPAWNALELIWGTDPERRSSVLETVQEVFDLACSSCETDKKTRVIGCTD
LNFDPDPSVPDPLAGARSRKRKEME
>comp5326_c0_seq1; 944 236 2356 LEN=2612; translated
MGGNNKQHESSNDGENRELSVIVRRRLALYEEETRLLRRAHGLAKQKDDEERRLYQRSI
GDNTVPVLPKARAKPTTPGTGASNGDEAKDIVSDNSSSDGGDGFGLATIESEDESESENS
SSDEEDEDDEGSDNESGIVGTPSSAIESTKTATTKPQKTGKLSGRKQKRLGQDINRHADN
LIRVDLPLPPGSDSDVDEGDGNSTSLSLSPHLHLFPAAALLPNNKLLGPFACASDQAGIVRD
LSETMSSESCEDGLVVVLLIQSGRFAGGVFRRGKCLAHRATTRYTIRKGGKAQSVQDGS
RRPKSIGSQLRRAGEEQLNEDVKLALTEWTKKRYIADASLLFLACPKTMRSTVFSVPSAN
SNRAGGNKSKHKTDCCMLSKDDDIRKIPFDVGRATFHNVEVVYKVLMTVDLCHVQELGS
TTSERHAIESHGVSVTETADKDESAHDDLEEEKRKRKEKLAADLPMTPLHVAAREGNLT
VLLDLVHKINHGADDCPGVDQAPAGYSCSTPLHFAAAASKNVDVPTASAIISALLIQARAD
PTVLDASGRPPYFLAGHDKIREGFRKARAALGEDYCDWDSAAKVGPPLETESDLEAKKKRE
AEKKRRKKARQKEKKEKDRAAAAREAEERRAAEEEARHTAEAKRIRDQLPPKPTAANACD
FCGKICKGRNASKNMFRRLDYKYCSTECVKNKHKRELMAAAAMARFG
>comp5327_c0_seq1; 279 204 1205 LEN=1429; translated
MSQSESRRENLRQRSQILQDKKEDARIQLVIQDSIGKNQFSKHLMKTFVLVIITALFCTI
AAVLNHRPRFLERFWKQVPRPFHLATRYPKNIILDRDLPRFFGHYSIATPENLLARQAV
QKVLRSRKKLRSQAGPIKSTLKAWDDSNVEQLLKQIGDEFELAYRRESTHQENGLLM
WCLLASQVTEGFFTESVEILDSILELTRNRGIVVRKQPARGIVDGYDALSTTFYLHPRTN
HDKVNWIPTKMLSMFISSSNDERVDDNNELAQRMLYELLVNQGNEEEYLILEEICQETPP
KRSIAFDTTEDPNGCYFVVPNKYGGIFGPEEDE
>comp5328_c0_seq1; 533 237 1649 LEN=1676; translated
MYPISVILTLVGMITAGAARIVVVKIYYQIELEESRPVTPPLFVTLVLYLVGQALSLLVHFV
CVRFDYSKRERSDNGIGYDTIEMAAMKLDDDDNNNEPFVAAVPPKAIEDEEQADRPAGT
DATEETDTECGSGDGSDDDETDPVPGDEEGSECERAETGSDPRCGGSPLHAGGPVRVDPGDG
LLEEGNSDGRRGHGKERPPPRGRMRRRGSKTGLTSDSREAVAWIHRIPWYLKPGIPGFFN
LCNSALRWACLRYVAASTAEILISGLELVLSFFAARVLRKRIISRRRWIGVSVVTVAGIVL
VGFAKLEETRDSSETHNFLVGNLLIVGQCVFVSVLQDLSEEVFMQEANFPATLLLGMEGL
FGLVFGPLIYALFFDEEISFTRFNI EYQIGLVVLLVLLTGILNIRTTEATSSMTRNVWKQF
RIMLVWILGLLVYYLGS GGRLGEAWVPDLSLFLVGGFGVILTGVFFYYSG
>comp5329_c0_seq1; 1251 1 3651 LEN=3689; translated
SNSNNSSNSNSNINIDDIRASTSRAQLQTPRSTSGHKQKGSNRYRHRRTTEGNRGRSK
RHKNGFQRREDGNSNSTSTKNSSTAGGSSWTDPSVILYAMGSWWWIFASTLVYLSPLI
VWTGERVLGCLGSMCGARCQRTGRPQGRGGSLSVESDGGGADEEPSSETTAIDDSVASPP
PPSRLAALCRRCRVPFPNLRMGSVVPWRIVFWALVFLPSVVVFSYGTHQGMDRARQNLSE
RLGDGGEAAGSQUETESSLLDWIGALVLASAMPAGTAGMVSMGVYIFGTVAKHSPLWSAEV
ILPYTTNKRGGSDSIGTTHSDTGQNETSQKGDNRNPSHGHENLMRDALRLHQWAGYMTF
FWFLLHSVLYCVIYGYLGVVSHRQEDIAAQAASDIAAAGNATDDGVEASATAMGSASTTR
SLVEIFFASVWNAIYPPPECRPILGRKDGAGSDGEETGNRRLDIVRLLDEDKQQUESTASG
QSFPYCYGYRNFNGAIAIALAFSVLVGTSLELVRRKNYRFFYASHIVCAVVFVLTMTVFHMK
RISVYLMPSLLCYLSTTIPTVIQAMVSAVRDGGVRIEDFRTLENDGGSSDSNNLQGCAL
TFSVDDTGVSFSGAYDRKKCGAWTTYRPVSVKICVPSISLLWYPPFTVIETNSIKNAHVGDK

IVNGTDPGAGDSGSDVSNNGDGTTKGDAGGSIQCTILFGTVGYFTKSLWKRMRDAQEAKN
GFRISLANENGDEFIDEEPITDHPLEAMNQTPKALPLILVDGFYSGASDWIESALGHDSV
VIAAGGTGVTPLFLAFLPKLIRVLTDDLSTVLSGTADEESPDGRDALREGSQETVASLKI
SFLWCCRDESLIRHVLATYLLPLFRGREHELWQTKSMLPENANDPPFRDLAINTNGVFR
LMIYNTSRDRGDKSPFELSASDDGVGSIRCGDSRNSASISARGLAMRPSKFQFSPSSRS
GATIGVVGFSLITLVGMLLHHRASDYVQEERLRF SIRAYGIYAVVVWTIAAGFATEFLWR
CRCLCSPTAWHRRRGYAVADGDGPDSSSSNLSVDPNHETGGGEELAIANENEF SERGKAR
TSCAEARSCIGTASLLPGRIYHEELLPRTD SFLELGI SNGRPAFHGDDDDGLHDPCSNES
SPSSPAAWADEVRRELIDADRPGVFYCGPDGLLEAIRSGVKAGRERRLSGGRDARNFN
RDRVAECVFEESFQM

>comp5330_c0_seq1; 369 305 1681 LEN=1848; translated
MRFFQRRKDGMGVEQQGSATVAFHPAQNVDSKHSPPQYHHGDGIHSLRKDPFAPLTQEEL
RQCSNTNLHDIDDKTESTIVENEPKNRQSIGRLVRKLNCSASRKS IHGVDQDPIAFTDR
TGSLSFNEGGMNRATRSDGLTLERLILPSKSIESAASSDITRPVLITVKDRDTKQPSTKD
VRDRSNCVTPEMKRSFVVGEFPVRTSSFRSRSSARKRLHDVDYHNNNLTRSASVSGRWVN
NGGKWEHSSGGINSSNSRNSPNSP IRTSSNLSKKNTERDLEAIRVAQDLARRERWKR
GLENELYKKSSTAAGRSNTKSKGPIAAAKRYIEGESSNNTEDDQSLSDSTQGSHTTGTSG
YDDTTGESSLDEWTDGSTTDNDSRVRYHQDYPQHQQRQYRKTKSGRRCINNEQLARSV
AEDVGIFADLILSDGFACFGTAAAITKETVASCRGNDV

>comp5331_c0_seq1; 270 1 1019 LEN=1492; translated
XEYANEIENIANEHAKEIEKITNEHAKEIEKITIEKESKSVEPQTIEEQACL DLGDGNNM
DELLSAHKQV FVAMPAKAAGSSMKSFTSKCMKRGWSGNYTDRWVENVLAKPDVLKELLHG
PLEVPPLIASHMYEDADFMRLMQAATKETLIVYIHREETSRLTSAIRYVMDHRKCEPEFLK
EHRANNDKKTCTVEEQTLQI IQDRKTNMGEIEYGAVELLTCRTYSAIRSNAPKLVFMH
YKQASKLQKLLAKRFCPRQGDSLKNVRSEDAKIQVELREGGSVVTL DQWLDAKQHFLELA
LGMKETMTCQHETKSMEETL FACPDETFYWTPEMNLVSR

>comp5332_c0_seq1; 282 169 642 LEN=1501; translated
MKKHQQECSEIHTIQIFREASSCIPRSSLRQCNCQCPGRTVSIQSTTCVTPPTSQKQDGT
YAIGCDWAIEMDEDLVEEPSTLIEMKESNSDQSSLSYFETPLISIGQDQSFDEYIT
ANDTDSFHDSNDFDSDSMDDIWEQGLTRSVSCFEME K

>comp5334_c0_seq1; 834 69 1262 LEN=1424; translated
MIVVSVLLCFVLCIARTEFR LIQPDATDSATPGVVVALKWNKQGALSDPLETAHERDMGF
LRDKLYDAAGDRDVPWFYKNSSLSHIRRS GGQTGDASPATPHAKTWHKYESAHQNTNRA
ASATATKPKAVALKAKPTTAKSFFGNHKASAANKAKPTPKPTPAAAKAKPDNKAAPKPTS
QKRSEASKPADEAPDEAKEGSSPSNEHGDTNATNPTVAIGNADDFVGD EDEDESEDEQDMK
TRRAKSIEIVRKLKERDDMLDALAKEEDGDTEREKPTLVKGAMDAFCHATS GSPSTDVSV
PAQANKKKRRKVFRET TKMNAQGFLVTTTEAVWEE IDEDEDEAAAPASSAAGNHTKAAPAA
TTTTKSKPRPKKAAPPKKKASDMKQGS LKGF FAVK KKK

>comp5334_c0_seq2; 916 128 1633 LEN=1795; translated
MSAATAIQPLPNGTSAVLASEQVLSWLHDEESLVT SQR IQHHCLRDENENDGEGEGNEDE
SSSLLLSRREASFLLR AIYEKDPCRYKATLCTRETFRSVP SMNHKKEAGR PACSAEYKT
TEFR LIQPDATDSATPGVVVALKWNKQGALSDPLETAHERDMGF LRDKLYDAAGDRDVP
WYKNSSLSHIRRS GGQTGDASPATPHAKTWHKYESAHQNTNRAASATATKPKAVALKAK
PTTAKSFFGNHKASAANKAKPTPKPTPAAAKAKPDNKAAPKPTSQKRSEASKPADEAPDE
AKEGSSPSNEHGDTNATNPTVAIGNADDFVGD EDEDESEDEQDMKTRRAKSIEIVRKLKER
DDMLDALAKEEDGDTEREKPTLVKGAMDAFCHATS GSPSTDVSVAPAQANKKKRRKVFRET
TKMNAQGFLVTTTEAVWEE IDEDEDEAAAPASSAAGNHTKAAPAATTTKSKPRPKKAAPPK
KKASDMKQGS LKGF FAVK KKK

>comp5335_c0_seq1; 430 320 1363 LEN=2915; minus strand; translated
MEPARIRQFAYATASFLLGAWAFVAVNAISGPAFEP IIAACTNPDFASVEDFVENTGYHE
YEPMVGLGAFNLLVCLITQFLFELRTHPAGVLTWGGVVLVSLPSVGLGTFEGARRGARG
PIRYPVVLG LLYQLFGISVVFPLIFVPAFVFGEGERGAPLTRFRVAVAHAMPVPI ILLTL
AVFLAPTD SALWTT SAGILG GPILALMGLLFFF DKSSELATTRKAAEATS RGLQAFYAYL
AVVGLGWYALVGIAYQSYGTSFGDLWRDIWVEAKPSVAFMTIDTG VFYLAIVLLVAYRS
GERMAAKAILRTSFLGPATALCLAMIEIEKETVCVMDEADKSTKKED

>comp5336_c0_seq1; 111 108 410 LEN=854; translated
MKIRTLFQLFALFILAVAS AQSSAIDDEHTERRLRGPHKAGR GFNKRPFKGGRGKKGPYK
GPYKGGRP AKKGFNKG PYPYRKG GPGRKGPYKRGRGGPYKKGW

>comp5336_c0_seq3; 111 108 410 LEN=863; translated
MKIRTLFQLFALFILAVAS AQSSAIDDEHTERRLRGPHKAGR GFNKRPFKGGRGKKGPYK

GPYKGGPAAKGFNKGYPYRKGPGRKGYPYKRGRGGPYKKGW
>comp5337_c0_seq1; 656 294 2123 LEN=2561; translated
MLTYAKQAINFARVYLSVTRKDMQFYASLDECEVNPNPNLKNLTSEDLQFENPRVVSFKT
IDNKPAPETETEKVSTVPIPKSLVLKNDKRAVPVEPSPANNDLVLDTNNELVLAANDELV
LAANNERNRSAGDAFGLAPSELATLTRERVRERFREAVFSYHPDRNPSSTTVQMQVIRDA
KDILLAACDGNIPeIENDTTPVALIANDVSPACKANAIVPQITSGIAIKNEAAIQIAQT
NVPQITSDIALSCPKTATGTKLPASLEALQSLQLQKRETSLGFYEKKSTKRPLPFVGYE
FKDSGKLLRKGIKRNVFLGNSTIEPCKFPTIALIGYTSNSNKSVMFYEFKDSGKRLRKG
KKKNILKPQPPSNDSDHPNSEGNLVTDAEKKNICIVNASKQRLLRSLSTNSSHGTGTLPG
TNLPTVEYVREITDKDITTHEQPCGRKKRAKRIHEEKLDTDAEINEDDNRSSSTGFKKNA
LLQETDTSNDQSNQPSCAIIGDTNDEISEEESASQKAFHTNQNPHGSLVPFPLSIVLPRQ
GDLVWVMQGKTEHMAIYVVELRNSTEGVGYEEVKVRWSTNRLAQYVPLRSVRVFEMGTR
GARKRRVRS
>comp5339_c0_seq1; 441 108 1696 LEN=1696; translated
MMAIALVALLTALSLLTAYAHDPDNPKVLRSRARLNNSPVPVPEPNYVINLLSERDDATQ
NDYGDATFDGNPTSIKLGLDFEVVYVGTDDSPSTSLYRVLGVYKYGDSCGDEVFGATNAL
ADAFADNKVSQSIIEISLNSVDSSEGGETYESLFWVNDADGSTRYVDGSMRVQFCFRVSI
SDLDTVPFEADAVWNFPETYDASFRLSNSVQNLANQDTWRSSITVNLQYTVRSLCNYVP
ADNQEPERYECLTESKLFRTIQCIEPGLVKSEEEVDDVNTGSLEIERVTEFHII
QEPAETSGMTVTRKAIDGSDADGLTVVEYKSMAITPQDGSSPRKRVGGNAPGAIQIAVVS
TPLNAAFFLQVEQPVDVHGQVLYRDSNRRSLLKANSMYLSSSTLAEGSIESNTTEGLVLP
DVQVNLIGEEKTVSHSINTNPGGDFDVKLSLDESFKLNPQFEHSSSTLILGIMICGILLG
LIAIHGILYVLGFRMTSPGVRVGYRSRGTYGKDDISFCSSINTFGAIPA
>comp5340_c0_seq1; -81 1 408 LEN=795; translated
PGMPFKVDVHGKRFVTVCPQNAAGPGQRIQVRLPISAPRAKTPPRHTTPPRHTITPPRTP
QTPPRHGGTKTELFVTVPPGVRPGRGFRKIRAHGQEFIVTCPPNASPGRTIRVVPVKVQVE
SPMVQVFKQQGESYC
>comp5340_c0_seq2; 538 1 1300 LEN=1300; translated
XKFQSSSKKNSGKPSYLIAKKNEDPTTSVESAVAAGAVVTAATSVAAATSALETNDASAA
ETERLEAVARKKAALQAKLQAEAEIERLEREAAERAAAERLKAEEAEASERRRNNKAT
AAAIGAVGVAAAAAGTAAVASKKSDDEESDNDDEEALAAKQRRRQEEKAKARRQQEK
QHPKPSAPPAPADQTMTTYEVTVPQGVSEGTDFKVQVEGQQFEVTCPIGASAGQIRISL
PTTDFSSSTASHNSHNSGKVPNASIEESTSTTMHFVTVPAGIFGGMPFQVDVDGERFN
VNCPQNSGPGDRIKIALPTKSGGTGLSSSHKTHDPESFTSSHTSHSSTKAPETKMHHVT
VPAGIYPGMPFKVDVHGKRFVTVCPQNAAGPGQRIKIAIPTTTGGAGAGGRGRSKSPQPT
GTSLHHVTVPAGVY
>comp5341_c0_seq1; 237 400 943 LEN=1675; translated
MALFDDQNNCLVPMCLDNGNATEHRIEITTELEVRNPDDHLLVSADVVRDDDRDYKG
LHSNSEVEEIEVIDEDECRTREASNSGDHAADETQSRIDGSISSGPIVTFSTLFDLTL
QGPESVDNETEARQKLAEKHRVKSQAKRIGPPESIQIAAVTEASDVASVLGRYKFTFMK
>comp5343_c0_seq1; 261 181 618 LEN=927; translated
MPLTENQEAQMKTVFTKYAKNGSIGSKEIGAACRAGGLNPSEADLALWKGETKSGLDLNG
FQRFMGGKFDKTNDTVDEIIEFQAFDTNGTGTIPVGELKVMLTSMGEELSEPEFATLMD
ECEVENGEVSYLQLAHMIFGTTGDE
>comp5344_c0_seq1; 373 139 1533 LEN=2185; translated
MKTFFYNANGIPVVQGMSCENKRTSRSSLNHSINDAQISDAIARKQQDEIDQRLSYAAT
DHHKSSLTSMNNTVMIGDRNRNGGSRQQEGSIPRGEIQPTAFRDVGWAILFCAHVIAIGY
ATAHFAPLIASDIANEYAGGAHRWLEQELQQIGDGFYNDSDHKYEYDDKSFKNYLGFIPD
DTDRSESIYWEQQNRVLNNGDQDSELSMNTLLTIMAISGAVGFLISSLAMSLMMAIPTA
MIKIALTFNLIVTTGVLVLSIYIGAILVAVMSGLGLILTIYYTYIVWRRIPYAASTLVTA
LTAVKCNMGLAFFAYNNLVVTFWLSLWVSTAFVATFYVVGDCDAEGYCENEINGFLVFLF
LVVFFWTTQVIKVVHVTVAGTVGWVFPGEARGCCSSAVRNSYWRVSVTTSFGSICFGS
LIVAFIEATREIVNSARSGENGLIICIIDCILHILEQIAMYFNKW
>comp5344_c0_seq2; 456 139 1941 LEN=2001; translated
MKTFFYNANGIPVVQGMSCENKRTSRSSLNHSINDAQISDAIARKQQDEIDQRLSYAAT
DHHKSSLTSMNNTVMIGDRNRNGGSRQQEGSIPRGEIQPTAFRDVGWAILFCAHVIAIGY
ATAHFAPLIASDIANEYAGGAHRWLEQELQQIGDGFYNDSDHKYEYDDKSFKNYLGFIPD
DTDRSESIYWEQQNRVLNNGDQDSELSMNTLLTIMAISGAVGFLISSLAMSLMMAIPTA
MIKIALTFNLIVTTGVLVLSIYIGAILVAVMSGLGLILTIYYTYIVWRRIPYAASTLVTA
LTAVKCNMGLAFFAYNNLVVTFWLSLWVSTAFVATFYVVGDCDAEGYCENEINGFLVFLF

LVSFFWTTQVIKNNVHVTVAGTVGTWWFVPGEARGCCSSAVRNSYWRSVTTTSFGSICFGS
LIVAFIEATREIVNSARSGENGLIICIIDCILHILEQIAMYFNKWGYVYVGLYGYSFVEA
SVNVLSLFQARGWSLIIADYLVDTVLLMVSICVGVITGIVGALLGILMEQNGAVVVGAF
IGAAIGFVLCSTLFGLVSSAVNAVIVCFEAEPAEFQSNHPVLSHQMITAWREAYPTEFGY
>comp5345_c0_seq1; 438 110 1816 LEN=2044; translated
MITTTCAPPKKVEVVDKSKKNKVEMAPSDQLIMYMSPKEVMNDPLGALASAAALAAEASEA
SCSDASKDATKKEPTTVKTDNRKAAEMEGENGTTKTSQTTGKKTEEETADSETIAKQTIP
PTITIRRELSLTDNSRPSKSAHPQHIYPQVPVAGYFGPLPGHPPHAPVPHAPPHAGYYQA
AYGPWVGYGEHPSAPVPYGSVPHWKHPHAPPPPPHAAAAHHPHPRPHPHPHHVYHDGH
YPPPHPPPPAPQFGFARSITADSPARSITSPAPDHEGEGSRKRKPSTKEYSPSNSPPSLV
RTSPPLPEISLRKQTAHVDSIRSKEVKSCSDNRAVFKRRASMGKWTEEEDELLREAVADY
GGKSWKKIAGRLTGRTDVQCLHRWQKVLKPLIKGPWTPPEEDGKVIELVKVHGNKKWSFI
ARQLKGRLGKQCRERWYNHLNPDINKGEWTNEEDKILIQAHSELGNRWAEIAKRLSGRTD
NAIKNRWNSTLKRIMSKDASPESKKRVKLVLDGLADSQPVKKDREGTEFRPKAKKQKLQT
RHELAAHTLSDLSSPSIKRHFRGRFASKW
>comp5346_c0_seq1; 134 810 1055 LEN=2150; translated
MGFRFVGGGRACWYSLGGSNADGHRPRPGGQTVLVRGGKGDRLSAGKSPLLLPELLLL
PPGETVLESEKRRHALTLERE
>comp5347_c0_seq1; 299 609 998 LEN=1386; translated
MSIVGGNGGSFRKVNLIQISQTIESLQLICNSINQSKDNWWLSPAMLSSVEGMRTSRILKD
QQEALLVEEEKDDIDDFAGQEGQTNDNGDETEEMIDLQADEFEKDFADTDSANCEQGTDA
NISDDETIF
>comp5347_c0_seq2; 299 707 1096 LEN=1484; translated
MSIVGGNGGSFRKVNLIQISQTIESLQLICNSINQSKDNWWLSPAMLSSVEGMRTSRILKD
QQEALLVEEEKDDIDDFAGQEGQTNDNGDETEEMIDLQADEFEKDFADTDSANCEQGTDA
NISDDETIF
>comp5347_c0_seq3; 392 229 873 LEN=1261; translated
METSHETILNNTLSAAGLLVEENKATKEMRRSISKFARLLMCPLCNKIFDRPATLAACAH
TFCMNCIDRHSKHSVCPVEGCGMPSIVGGNGGSFRKVNLIQISQTIESLQLICNSINQS
KDNWWLSPAMLSSVEGMRTSRILKDQQEALLVEEEKDDIDDFAGQEGQTNDNGDETEEMI
DLQADEFEKDFADTDSANCEQGTANISDDETIF
>comp5348_c0_seq1; 165 1 813 LEN=928; translated
IRITFNLSLAIECTRPNIQFDLMENNGVKNPIFVYVAEGTQHSIGITANGAAFSWGRSTS
MGQLGRDNTDMPFKRPGRVNLPNSVRVTKAFASNNSDPESGHSAIIDDKGNLWLMAGCDRW
QQGLGSSNSGSTGYTWQGGKQWQDRFQISQSVEELMKKDNYSGIRDVALGGDHTLVLSS
NRRFVYAYGKGGDGLGFVKGPFVSAPKRSPILSGKNIAAVCAVESC SVTLDDVVGATIAK
VGKCRSSKVSEGISRCVENARRQGLLDSNK
>comp5349_c0_seq1; 223 1 360 LEN=1468; translated
GQDSP IARKNKISDSTKKDKMMNTDNDETTIIKLSMPDEEGNVDVFEISMMAAKISELV
RDSFPEDEDEEYSDDVLEISRVKGPCLAKVDFMKHHHESPMKEIPTPLGGSSFNVDVSS
>comp5349_c0_seq2; 339 1 609 LEN=1282; translated
GQDSP IARKNKISDSTKKDKMMNTDNDETTIIKLSMPDEEGNVDVFEISMMAAKISELV
RDSFPEDEDEEYSDDVLEISRVKGPCLAKVDFMKHHHESPMKEIPTPLGGSSFNVDVMDQ
EWYQNFVSEENLGGDNTMLFDLLTAANFMGIKELLDLSCLKVTFQLTGKSADDIRKILRL
PELTPEEEAQAARTEHKWIFEDS
>comp5350_c0_seq1; 250 100 756 LEN=1021; translated
MLALKKREAEKKAEEEEAKAAVAAPSVSAPSESTEEGGQVSLFGIGGQKKTGGESSA
TKKTPGEIRIQDIGELDGGKVAEVTFPKPNDLTSFNVSITPDTGYWKGARYEFEFKVP
HYPHSPPKVECKTSIYHPNIDLQKVKCLNILREDWRPVL DINAVIYGLIYLFYEPNPDDP
LNHEAADLFRKDIQSFERLVNRTLGGTLDGVTFERLV
>comp5351_c0_seq1; 163 346 744 LEN=962; translated
MPELFQKKVAIFGVPAFPFTGTCTTAHYPPYQKLQDKFVAKGVDKLCVSVADPYAHYNW
GKTMGNDFDKISFLADVGDGAWARSNELEQDYTVVSLGHR SARFSMIVDNGIVTAFNLVED
ADGDAELLLEQA
>comp5352_c0_seq1; 280 543 1295 LEN=1445; translated
MYAPPFGVSLMVQHVHPCLPSSSGLAVEPNTADANPNANGPPSTSDSIFDLAEAAAGSA
SGGGDGEVRRITITMYRDGFVVDGYPYRLDDPANKEFLKSLARGQTPSELTGDS SSGNIT
VGLIDKRGEDYVEAFRSFSGAGQSLGAGSGASAGASSGVFDPGALGEAPPPPSGASTT
AIAVRGLDGRKVVRLSRTATVAELAASLDPRPQQAFRMVAGFPKPLVEEGATLEEAGL
VGAQVQLQKA

>comp5352_c0_seq2; 350 123 902 LEN=1052; translated
MSNIRGLYDDKNDESSDDENNRYVGGIGARGGGGSLAVEPNTADANPNANGPPSTSDSIF
DLAEAAGSASGGGDGEVRRRTITMYRDGFVVDGPHYRRLLDDPANKEFLKSLARGQTPSELT
GDSSSGNITVGLIDKRGEDYVEAFRSFSGAGQSLGAGSGASAGASSSGVFDPGALGEAPP
PPPSGASTTAIAVRGLDGRRKVVRLSRTATVAELAASLDPRPQQAFRMVAGFPPKPLVEE
GATLEEAGLVGAQVQLQKA

>comp5353_c0_seq1; 601 445 2298 LEN=2339; translated
MVSGKMQIDNNADTSTNNINTQPGHPYTPAGKKIVFWESLYRRKSNFHEHLAGPMSDAIE
EDEEDEFSTFDDFENRSYNDNENAHDNRLKSSSDSRSSDENFWKQAWKEGWGNSANYDK
YINGDDDWSIYIGDENPTLLPLSTNDMFGFMLASLGATLGSLLGGIGGGGLVIPCYYVVTK
LDLKQAIPLGSVTVLGGSSIAALMLNMKRRHPLADRPIIDWDLILVMEPLVLVGTIFGSI
HRVMPGKVLVLLVLLLSIVAHTTLTKARMYDAEKRYIEHLKSARSDYLTRVASFRTAF
RMSTGAWSDDALHGAGMDPEKASYLPPEPVRTESLDSQSLATTPISPKMDMHERQRILI
LNPDFVTLRSDMLEQEKITPRGKVMALIAKFSVLMFLNITLGGGAFRSPWGIQCGGVAFW
VVHIIMIAFLISSAWAAQTYLVNRHELKEIRFDYVHGDIKWDQRKAIYPCFFILAGIF
AGMFGIGGGMITVPLMLAMGVHPAICTATSSTMVLFVMLSSSYAVFNILWDYAVVCF
CIGFIGSLIGNGIMQRARKTDTGAVNFERNFSFIAYCTGYVIMLCALCMTLQYILQIVLFH
DDMSNSEVGLCAGYRIN

>comp5354_c0_seq1; 836 102 2168 LEN=2209; translated
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LSREEIIVTYESRKGMHANARNINVSQVTVTFHGKPLIEETDLVINYGNRYGFIGPNS
GKSTVMKAIARAIPIPENLDIYFLNSEYPARDDITALEAVMESNDEVQELEAKAEHLND
AMAEADEDEQAIEIQQTLEGIYSRLDQLDASSAEARATQILFGLGFTQKMQHMKTKFESSG
WRMRVALARALFIEPEFLLLDEPTNHLDMEAVLWLEEYLSNWNRIFFVCHSQDFMNSVC
THIVRLDATYKRLRYFSGNYDMYVQTRRDRDMVQMRQYEAQORDIAEIKDFIARFGHGT
KMRVQAQAREKLLLEKLEAGLTQLPEQDPDWDWSFPDAGELPVPVLSVENLSFAYPPGVE
LYSNVDFGVLDLQTRVALVGPNGAGKTTLIKLMGTQLNPTKGAVKRNTHLRISRFTQHFEE
KLDLTMTPDLDFFKQKVMPEQPIEKIRPLLGRYGCTGDQSQIMDQLSAGQKARIVFAIIA
HERPHLLMLDEPTNPLDMESIDALARCINKFKGGVLMVSHDMRLISQCAEQIYVCDHKKV
TLYKGDIMKFKLHQKKENSKNLAQHMNG

>comp5354_c0_seq2; 761 1 2072 LEN=2113; translated
XGCDGRSNEKRAALAQAVIDRELDQGYGREDFESNVAKDVRGAAMGEGEEELFEKKMSKA
EKKAAAKAAREAKRKAKGLTKKKKGGDDDEKAAAEKKNAAKILDPNASAEKREAALEN
ENLSREEIIVTYESRKGMHANARNINVSQVTVTFHGKPLIEETDLVINYGNRYGFIGPN
GSGKSTVMKAIARAIPIPENLDIYFLNSEYPARDDITALEAVMESNDEVQELEAKAEHL
NDAMAEADEDEQAIEIQQTLEGIYSRLDQLDASSAEARATQILFGLGFTQKMQHMKTKFESS
GGWRMRVALARALFIEPEFLLLDEPTNHLDMEAVLWLEEYLSNWNRIFFVCHSQDFMNS
VCTHIVRLDATYKRLRYFSGNYDMYVQTRRDRDMVQMRQYEAQORDIAEIKDFIARFGH
TVKMRVQAQAREKLLLEKLEAGLTQLPEQDPDWDWSFPDAGELPVPVLSVENLSFAYPPG
VELYSNVDFGVLDLQTRVALVGPNGAGKTTLIKLMGTQLNPTKGAVKRNTHLRISRFTQHF
EEKLDLTMTPDLDFFKQKVMPEQPIEKIRPLLGRYGCTGDQSQIMDQLSAGQKARIVFAI
IAHERPHLLMLDEPTNPLDMESIDALARCINKFKGGVLMVSHDMRLISQCAEQIYVCDHK
KVTLKGDIMKFKLHQKKENSKNLAQHMNG

>comp5355_c0_seq1; 533 385 1473 LEN=1884; translated
MALTIPELKKITPYVRRAEELDRDQGNPESRLVAYYCRQFAVHTGIPLATSPAGKLCGL
ELLGVLGEKEAMDSFTRDESKFLCEKFAEKIFDKADTEDQSGEANRNTARTFYAAASFL
EILQQFYNDDDSAEVAEQKKKSVYCKWKSTEILKAIKEGRTPTPGGYGEETNNADAE
KEEDTPVAIAVEDESPVMPEVTEEDSHDDNGDEDEDEDEEIKPNVPVEDSGDDSGDEVG
AQVPLGPPPAYPIGIEPVDLPLPPPAPPVKPPLVFDLPPPAPMSFPSPIVPTPTPTPTP
MEKPKMTTLFGLANKKKPKKKVGRAEIA DATELTRFALAALEDKDIEIAAERLEQALQCL
GR

>comp5356_c0_seq1; 1010 176 1882 LEN=2243; translated
MSDPVSEQYDSCGLPEKIVGTENDSEEAESLEFEKLELMCEDGATKEIDMPTTPSQKKD
PNSDGEGETEGAEQEHGTSFLEQGEDAFGGDDGRNEKKDDDDNDDAEEEEYNDYSPEAD
DRKPAKQPPNRKRSKKNPGDDGCSRRNTKGTTRTSRRTRNKIPKYFDEDEDEDAEEFS
EEGAGEDPCDSKPPAAGASASNGGDSAEESAENATEEYKSNSEAQDEAQDKGKKR
KADFQSPDKTTDRVEKSSSETSQSSDIEDGSEEPVNDNDVVKSPKKKKKKHADQEDAKA
FTNPKKKIDGESVKEEDEEASMNVKKDNVKNVKNVKKERSSERKTRKSHAPNDRMRDLLE
RKKTWTKKKETKLLTVKDVRKAYETEGTNKDDALLSMLMAYYIAGVKAVTFDKLFEGLGH

RPKNKAI EKAWKEVRAENLVEEAPATAGGGSKKAKKVFRILTQKGFDRAAPEGYEEETLSP
AKTSDELHDI IKGNKNNYSILVFEILLEKKDEGVSLTTRELADECGVDKDSHGFFYGFK
WLKDNGYAVSDGRRKNAKYSLSEKCFVD

>comp5356_c0_seq2; 1010 703 2409 LEN=2770; translated
MSDPVSEQYDSCGLPEKIVGTENDSEEAESLEFEKLELMCEDGATKEIDMPTTPSQKKD
PNSSDGEGETEGAEQEHGTSFLEQGEDAFGGDDGRNEKKDDDDNDDAE EEEYND DYSPEAD
DRKPAAKQPPNRKRKSKNPGDDGCSRRNTKGTTRTSRRTRNKIPKYFDDEDEDAEEFS
EEGAGEDPCDSKPPAAGASASNGGEDSAEEEEASAEENATEEEYKSNSEAQDEAQDKGKKR
KADFQSPDKTTDRVEKSSETSQQSDIEDGSEEPAVDNDVVKSPKKKKKKKHADQEDAKA
FTNPKKKIDGESVKEEDEEASMNVKKDNVKNNDNVKKEKRSERKTRKSHAPNDRMRDLLE
RKKTWTKKKTLLTVKDVRKAYETEGTNKDDALLSMLMAYYIAGVKAVTFDKLFEGLGH
RPKNKAI EKAWKEVRAENLVEEAPATAGGGSKKAKKVFRILTQKGFDRAAPEGYEEETLSP
AKTSDELHDI IKGNKNNYSILVFEILLEKKDEGVSLTTRELADECGVDKDSHGFFYGFK
WLKDNGYAVSDGRRKNAKYSLSEKCFVD

>comp5360_c0_seq1; 291 261 1304 LEN=1356; translated
MKVFLNYEDNENKDFHKALKITLPSWKTGPVTNLLNQFAESYNAKFQETNPLDASEIHL
AIREKKEQAYGSMAGIPETRMVPCND AVVIETIPDRSDVYICHGAGRTKAEVEAEKAE
QREQEELRKNVTIALTLAAKTGSRRVDLTRHVDTTSSLRYFMKQPSIGLAVPRRKL MVND
DSSQALELKLFFVYDVFVSSLAFPHVYFDPDFLVSMKTS DWDEFQMIPGCMTGRCSEVK
DDGKFLFLGGMDLREQAQGEKLLKSIDDFNKAQSAGGAEAAPVLERLRNAMFEIGIDKELFD
QVVDGMKKKYTQSAANESELLAAVSQELGKELKTSMKAI AVDQLRIK

>comp5360_c0_seq2; 293 261 1175 LEN=1227; translated
MKVFLNYEDNENKDFHKALKITLPSWKTGPVTNLLNQFAESYNAKFQETNPLDASEIHL
AIREKKEQAYGSMAGIPETRMVPCND AVVIETIPDRSDVYICHGAGRTKAEVEAEKAE
QREQEELRKNVTVTCTHFGCQNRFPKGGYPACRYHKLPPV FHETAKYWACCPQKKAYDWD
EFQMIPGCMTGRCSEVKDDGKFLFLGGMDLREQAQGEKLLKSIDDFNKAQSAGGAEAAPVLE
RLRNAMFEIGIDKELFDQVVDGMKKKYTQSAANESELLAAVSQELGKELKTSMKAI AVDQ
LRIK

>comp5360_c0_seq3; 258 261 1130 LEN=1492; translated
MKVFLNYEDNENKDFHKALKITLPSWKTGPVTNLLNQFAESYNAKFQETNPLDASEIHL
AIREKKEQAYGSMAGIPETRMVPCND AVVIETIPDRSDVYICHGAGRTKAEVEAEKAE
QREQEELRKNVTVTCTHFGCQNRFPKGGYPACRYHKLPPV FHETAKYWACCPQKKAYDWD
EFQMIPGCMTGRCSEVKDDGKFLFLGGMDLREQAQGEKLLKSIDDFNKAQSAGGAEAAPVLE
RLRNAMFEIGIDKELFDQVVDGMKKKYTQSAANESELLAAVSQELGELKW

>comp5360_c0_seq4; 256 261 1259 LEN=1621; translated
MKVFLNYEDNENKDFHKALKITLPSWKTGPVTNLLNQFAESYNAKFQETNPLDASEIHL
AIREKKEQAYGSMAGIPETRMVPCND AVVIETIPDRSDVYICHGAGRTKAEVEAEKAE
QREQEELRKNVTIALTLAAKTGSRRVDLTRHVDTTSSLRYFMKQPSIGLAVPRRKL MVND
DSSQALELKLFFVYDVFVSSLAFPHVYFDPDFLVSMKTS DWDEFQMIPGCMTGRCSEVK
DDGKFLFLGGMDLREQAQGEKLLKSIDDFNKAQSAGGAEAAPVLERLRNAMFEIGIDKELFD
QVVDGMKKKYTQSAANESELLAAVSQELGELKW

>comp5361_c0_seq1; 620 176 1801 LEN=1995; translated
MACGYEIEDITDPSQISQAKAIFPGVGSYGSAMKVLKEKGFEQPMREYLSARDRPFLGI
CLGMQTLFESSDEHEEGADAIPGLGVI PGKVIKFDETKMVPHIGWNGR KSHKES SVLKY
VNPEDSAYFVHSYYAPITDENKEWILTSTTYCGQPFISGVQRGSVVATQFHPEKSGKTGL
NILRGFLEAVENGTLNNAKSIPVDPKAETMLAKRIVVALDVRTNDHGDLVVTKGDQYDVR
ENESDGAAVTGRGGVRLGKPVGLAGRYYDEGADEIAFLNITSFREGVVEDMPMLQVLEQ
ASKSIFVPLTVGGGIRTYTDQKSGQTSVALEVAARYFRAGADKVSIGSDSVHASEALIAR
NGEKTGESSIETISHVYGAQAVVISIDPKRVYVASKDDADKKHVVELDDGSSGPNGEKF
CWFQCTVKGGREERDICA VTVAKACQTLGAGEIMLNCIDMDGQNGFDLPLMRAVS GEVS
IPVIASSGAGNEDHFVEVFSKTNVQAALAAGMFHRKEVEIEACKSAMRENKIPARNVCTS
Q

>comp5361_c0_seq2; 257 176 841 LEN=864; translated
MACGYEIEDITDPSQISQAKAIFPGVGSYGSAMKVLKEKGFEQPMREYLSARDRPFLGI
CLGMQTLFESSDEHEEGADAIPGLGVI PGKVIKFDETKMVPHIGWNGR KSHKES SVLKY
VNPEDSAYFVHSYYAPITDENKEWILTSTTYCGQPFISGVQRGSVVATQFHPEKSGKTGL
NILRGFLEVSYFLSFFLVANQFC SMTQIFSVQLPSDLTLCF

>comp5363_c0_seq1; 625 144 1811 LEN=1883; translated
MDEDEEDPFDFVGDSDSDNDNDAEQVVTSKESMEFARSLVDATNEKISHPKSESGRS
TAIVSTPVSSERNNDNCQDRQLEDLSYLKAWENKWPDP MYKGEILLVSPLPVGGGRGY

VATTP IAPGTLVLVESPMMTWPDEQIGKKLGMVSVKHLIEHPNASKIVDDLEDIFYPTKEQ
VDRYNGNEDGTMEIGSDEYEQIPKMIQFLKSELASSAKGEESGEPNSKEKDQELLDLVEL
SKTLHIRSRDNTELTEIDIIRLLLLVLRYNGLSEGVYRHVAMLNHDDYPNCAKFLPTGGKT
FSEVRTTRRVQPGESLTISYLPVVSHASRRKVLWEQHRFDIGVKHLKGERYKMETIASS
LPPSPIQGVADETLTDRIELATEELEKMQAEIEASLHLTSAATSAQTFETVKALEQTALE
LYKEAGEQLQNLNHILLIPIILILHMDICALVLRDSSLNSVQLGVI SRQVVSAYHLLPLQ
KLLLGADHFDIARTTLDLADSVSQQLLSRS AKTLYNLNFP SMD SFAAWSTFEHETRKEHNR
IKALYPHDVEKHINV

>comp5364_c0_seq1; 456 224 1876 LEN=1970; translated
MSEKKKGQESSGQDGKILMTEEDFDVSESSGDRFDGTGAECPTDKVEGVGPKGSRTDGNTNG
AALVPGAFVSNPLNSSGFLAHTGSDAEALVTVSTTNGSKEQYLAEAMRVDRDKIVVAT
EVNDDEEPKSKSYTKRLIAIAVVGVI AIVIVLI INFTIGKKQKPNNEPTDPTISDSITTP
EESNLSIEKYSERRSSLIEILTPLVSDPEVFNPEPQASPDRIEAELEWLVTSNPARFSIL
GLKEHSSNTTYNHSLEEQSETNSDTVVQQIRQHFLALFYFATNGPNWEEQYRFLSDLDP
CLWNTFRSTATEEDEFYVPKEVDARGI ICNTQGRVSFMHMWWDLSGTLPPPELSYFKDSL
REINLAGGSISGSIPTDFTLEKLEILAVNDNCLTGRIPGFSDLPNLYIFNTYGNAGLVG
SLNEFCNGTAYQYKNEVTA FVSADYCGNYGGLSSSGVECNCVCCNPNNFECYSQEWGLA
STVFSQIKRKNKYAKSFEKSCLTFEHKQWVEEECPCLVESHTLGND DSPYYACSNCTVDG
VRPSHPNWDD

>comp5366_c0_seq1; 248 1 523 LEN=523; translated
XSLMPSDGPSLSVLSSSKPTRAI IAGKSLPSSDDISLFPSDGPSLVPDGPSTLTPSDG
PSLTPSDGPSLSPTIPPSSGTSLLPSDGP SLIAPNHVSSKPTYAQMKPSSTSI SQRLLPPG
IFTRRTPPPTGVP SLAPSDGPSLQPSDGP SLITEDPIDSP TASQSLLPDAPSLV

>comp5367_c0_seq1; 425 285 1457 LEN=1500; translated
MGAASQTTRRITFHWNVRVNP KGFSSSPPRPRRDTRLLSSLLPSLPSSNSNSPNASL
PIVLSPLDENYFLNQVETT IARVFRQQQHQHGDNDVNILDL PKEQREAFGIGRNL DKRLK
SLRKNND CPCRWMQRKHCICSACPSV VNDGSEIHGSNDYNSGSLKRIFLVMHHEIGLKV
DTAKLILSSFPFQSKLVVGGIGPEHQHSMQEMLESIHDSKR TLLLLFPDETAKT LAEIVN
PQKSTREERQPSKDCEKCKEKTQVNER SMDTYDIIVLDGTWAQARKFHSRYFPSDESPPS
LQRVQLSEGSVDILNKGSTETGHQLRRHDI AWRQVGTFEAFRLFMRDWSREFAFTARND E
FELWKQIESYQRISNDAALRELGP PRFESK

>comp5368_c0_seq1; 424 175 1386 LEN=1710; translated
MAAMVQDDNMVPEERVSSPINSSGDAQLMARLSIADGSEGKTKLSSASNISSNNNGSNN
VRRNSKHTVNEEISP SDSLKAQAPQARDIKSSDLMRGPPARTSSGKKRSNNHNKQT TNSK
AQEASKALHSLQASAANNDRI IRATPKGSSAGAQTRASPPEEPEYIEEDESSEMSASDE
DGSWITWFCSLRGNEFFCEVDEDEYIQDDFNLTGLSSLV PYYEYALDMVLDVEMP MEDSLT
EEQQEIVESAAEMLYGLIHARYIVTNRGMHAMYEK YRTVAFGRCP SVFCQGPVLPVGLS
DLPRNYTVNVFCPRCHGLFFPKSTRQANIDGAYFGTTFPHLYL MTHPDMIPAKPSQTYVP
RVYGFKNVNESSLFYKNHEEGPPKKSIDGSGRHSRRSSGRSRRK

>comp5368_c0_seq2; 423 175 969 LEN=1839; translated
MAAMVQDDNMVPEERVSSPINSSGDAQLMARLSIADGSEGKTKLSSASNISSNNNGSNN
VRRNSKHTVNEEISP SDSLKAQAPQARDIKSSDLMRGPPARTSSGKKRSNNHNKQT TNSK
AQEASKALHSLQASAANNDRI IRATPKGSSAGAQTRASPPEEPEYIEEDESSEMSASDE
DGSWITWFCSLRGNEFFCEVDEDEYIQDDFNLTGLSSLV PYYEYALDMVLDVEMP MEDSLT
EEQQEIVESAAEMLYGLIHARYVR

>comp5369_c0_seq1; 461 1 2119 LEN=2447; translated
XVLQPLIDSKEYCSGAAPGQNRSEKEAKATDAQGTHVKKTMAERAI SISSTSMPLSRSKK
RQLRPRIRGALRFVPLIFVAVFQQEAA TKAFVATAFRPPGTTAKFPFHRHCTGSHVLSIP
EADALDDDCKERIAAGHIE SGIWKGTDDPSSSDQLLLLARDFVDRPEVFSLLMSDFGF
PALVAHQTRALAMAAIRREQA EVRREAELEV PONTQDSGDASRTSNDSEAVANPGVTDHR
DGVVGARHSIGGEPAADEKAGVA AKRF SHSELQSSVVNERARRRMR SLEDYNYGLPSDYA
KVYPKLASELDEYTFMTQ PSTYSQESPIRDATAKVYMNHAKLFLGWCCRKTEGNRDETE
ASDASL FALIPNKDKESADHI IRFVLWLR SREISVSYEANLLRGI IKLLKFRFARESNSD
PLEGQNTFDDIPLIREVRKLHRDANQRQLAPRSSDETKKWITWKDYLEVVRKV KNEVLE
LIEGYENLPASERTYPGGEKEGLYSRQKKVAEAYQRYLILAILASIPDRQRTLRELEV G
RTLAKDPETGCWTVKHGPGDYKTGKH YGERPAMQLAEELTPAIDDFLARWRPALEPSTGL
LLVQARTGKPMTSNSVFKRVVRC CFQHTGKKANPHLLRDILVTHVRETEASEKELEALAL
YMGHSIQMQRTSYDRRTLGA KVAPAVELMRSVNGSPGGRAPPRLAG

>comp5370_c0_seq1; 940 151 2025 LEN=2155; translated
MRFYASSRGGSRSLATMALATTQLIP SQSYLSSRVMVTA FSSSLAVKQVNSLKEARGYSS

SSTDNLNMSKMNQSFETWSFDEPCKTMAWSPLSAVELTASGSGLDNWTDDADLVFVGIFA
PSKEDSEEEEDDDKEEEVVEPTLSGSAGDLASLGGAI SNLMIENFKDFKNGAEAGSTLP
TMRFYEDGKTKRYIVVGLGSEPKDSSESIGSAIGKALATKCDSEKKAVSAKFLLPESI
ASDSKNLKLSSAFYSTLYADNRHRTGKVVTPAEDLKSLLTLLSDGGSDSDTMQDSLIG
KKLATGVYMTKDIVNAPHNVLNSESADTARRLAEESSGSLTCKVLGKKECEERGMGAYL
GVARGSETEPQFIHITYTPSEGDIKRVGVIGKGLLFDFTGGYNIKTQMMELMKFDCGAA
AVFGAARSIGALKPPGVECHFVVAACENMINDKAIVPSDILTASNGKTI EVLNTDAEGR
TLADALVYCDKELDCESI IELSTLTGACMVALGQSVCGVFTDNDDLAEELKDVSKVTE
AWRMPMEKSYNKQLKSKVADMTNLGGRYGGSITAAALFLQNFVNKKKPF AHIDIAGPV
WDD QIGATGFGAKLATEWIRRQGESDE

>comp5371_c0_seq1; 223 369 1436 LEN=1891; translated
MTTSGDSSKSTTAHTALSEIDDDGAFRRRTASSFTSTIEVGGRFEPANRYHLYVALACPW
AAGTLAALKHKGLDSIVGYSVVHPTWRRTRPDIEGDEHCGWHFANPGDPPVQNSNGYGSF
DCDDALIPDRVNGAKTIRDLYEMAGDTSKYSTPLLDWRKEKTIVNNESMLILKIFNEAF
CNLLGSEGEDTDRPNLFPPDLQSQAEWNELIYNAVNNGVYKCGFATSQSAYETAHSELF
AALDKLEAHFGESGHTFLMGDTLTWLDIRLYCTLVRFDPVYVIYFKTSHKRIGSDYPNLL
KFVRACYREAAIRDTTNIKHIKMHYFTSHPALNAYGIIPVSNPPLLETSTEGEHQ

>comp5371_c0_seq2; 223 195 1262 LEN=1717; translated
MTTSGDSSKSTTAHTALSEIDDDGAFRRRTASSFTSTIEVGGRFEPANRYHLYVALACPW
AAGTLAALKHKGLDSIVGYSVVHPTWRRTRPDIEGDEHCGWHFANPGDPPVQNSNGYGSF
DCDDALIPDRVNGAKTIRDLYEMAGDTSKYSTPLLDWRKEKTIVNNESMLILKIFNEAF
CNLLGSEGEDTDRPNLFPPDLQSQAEWNELIYNAVNNGVYKCGFATSQSAYETAHSELF
AALDKLEAHFGESGHTFLMGDTLTWLDIRLYCTLVRFDPVYVIYFKTSHKRIGSDYPNLL
KFVRACYREAAIRDTTNIKHIKMHYFTSHPALNAYGIIPVSNPPLLETSTEGEHQ

>comp5372_c0_seq1; 201 1 895 LEN=950; translated
XGSKTDEELLQSSVAALDLLDQYTMSSWDLSSKSRRFGSISRSARSFFRSSSRSSSRSGS
RNSSVRSVAVSSDDGIDHAYDTATKKTIIYLIRHAESEENVHMHGMQELGTSLVGGRVPTSE
NLSSSLKFIGGVAKGDIDSKLSEGGREQVKELHLSVLKSDGMENMSSVINDVDIIGHSP
LV RARDTCYGGFGLHTNGVCENVVELKCLEEATPWETA VQGRKKT VHKRIDELQRWIDN
QTD ATTIALVGHSEYFMIMLGISRAEKFWNCVVKVEYAAGKWTGLTLKHRLTSSKPMGVF

>comp5373_c0_seq1; 340 296 1630 LEN=2044; translated
MTRHKSQRVFLFGLASCALILSFVITYSRQNRKRRKSEQKSKPGACSCRDGRITKATKTT
AAATNGLRCKPMFRWQDPELTRTILESADQRAKRWVSFSLHGAHMHVGVQVGRSHDPILI
LDTVVMKPVRRKHTGIREVAFYEAIQASSKRSGFDRYCSLFS EDPGNC DRATVAEETKLL
YRLEPYTPRYFGTVEYHEGPEGTTNRAVPPDAEREPALLGIGPSSYILLNNAKTFSRP
CVLDIKMGTQTFEPGAPEEKRLAELGKYSPPQETFGFRLTAMRIYDPSHNDADADGYVY
PKQFGRSLATRGEVKEALLRFLGGAGLPEPVRSHRTSAIQRILSKLKLKIGWFRDNRSFS
FYGSSILVAYEGDTEPDDVSGVQPDMAKAKMIDFGRVRRQAGGDPGYSKGVATLVSILEE
ILRESFLEESRYISPKRNGHAMNR

>comp5374_c0_seq1; 183 108 584 LEN=1374; translated
MSSGIARGRLVEERKAWRRDHPFGFYARPTSKGDGSSDIMKWEAGIPGKEGTDWENGVFK
VSMEFSEDPYSPKPKCKFVPPFLFHPNVYPSGTICLSILNEEEGWRPAITLKQVLIGIQDL
LDDPNPNSPAQSEAYQLFIHNKTEYKRRVQAEARKNTP

>comp5375_c0_seq1; 206 340 979 LEN=979; minus strand; translated
MTLFEIYGDGFDSTRDGRKDEPIHPSAPSRNRLYPEDLLDVFFRLDSVLDGGKQSI E
ARF ADLDRSEATLGTFGDALGGFYRDAQITGQLLEVDQGFLSAVSGAGRPGAHHHGRS
FFEG GKRVASRDTCRREEAPWESPNASVPTKAETKRRRDEILGIVFGLSLIKIYSGNEN
GLNGS ASLQEVWPVLLISCTAHRYVVGCRWSVGGKEVV

>comp5376_c0_seq1; 374 81 899 LEN=1237; translated
MKSYSPIITLLALSLALRQEHAAGFSRPNPEGGCSRAVSSSAAQQSAGNRRDWLQAA
GVV VATTAAATPRVARAEKQKMFAPGGTLVDYQVGVVGNERASASRRSDNSNVVFGQ
DY YKFGTAPSF IPEGDTSFPVKMPFVLSQORYDGLKKYRERVQRGIDKVASLKSSIS
AGDFAS IPPADDPEYSIRPMGLLANAFLASENTGTTNELFLARWYINEIYLDLADIK
QAPSKEAAE TAHANAAILALNSYLGMLNRSITAKVGDPPFVLV

>comp5377_c0_seq1; 548 95 1744 LEN=2375; translated
MDNEVADATAAKQAKAAAAKARKEARRALRRKLEAETAQTLKDLGLSASAVDVGASKS
NA NRPLPAPPVNL PADSCTICLFYQYKEPAWKS KDHKAALNKVTEFAKAHNVTGR
GRC APEG LNCTLTASANDIRAFCYALRDWDPAFNETDFKLEDGVENKHRFRFTTLR
KVDEL VGYTLD GIKAPSLNRHAGKHLEATEYHKMQQKDTVIIDVRNAYESDIGHFQ
PPEGGAELLDPKMR TSQDFPKWLNAPETKEKLNKTVMMYCTGGIRCERATALLNQITE
AEPEFDTKGVVMVRG

GIERYLKTFKQGGYWKGNLYLFDKRMEQAPPEKSQEALDADVESKCCLCPKPYAKYRGQH
KCARIIPSSGLPCA VPVIVCDECQKTATDEPQCLACPLCVKGYQTPETAPDLIGQKRKLG
LIEKGGTDLVTGQKVARKNVDVASQRLFVGLPLTTTASLKRKAFGDAKIETIQWIVDHT
KAFYGSFAFCKMASIEDAIKAQSQGTIPLLQSKKIKRQKQKARVCFAPLRENELWPLESY
TETEPPLG

>comp5378_c0_seq1; 829 319 2349 LEN=2486; translated
MSEYAALHATSLLLVGNCKTSESSAATSRQVTASAAAVTTITRS AHGDTVFTTSDLFP
DDEQDFGFKQPSAKNFRKSAANDNGIETIMQLSSNNSNATHQSNLVLVLPADDLSDGPDE
SRWRSHGITRRRKLLEEDKRIGGRDFSMSFDCSVQRYFVAHWALEQFHQLYQKSSSSST
DSAKELEELYLMGHRVVAFLTECLPRHPGFARSPFVRQRCKQELDHLMKCLELVAIRIDE
QVCNQFVDDGDFFLDSMLAAEMANEDEDQEQKSPRRFRTPSKAKQNNSAFAEWEVDFPD
DEFGLKGEATKCVSFKADFERTTAESPTAETVGTNGTESLEPSDTSYTNFDSSDNSKGS
EEALSRSGSEVTRGGSCDGSNDYRPARDDDQQDVFDSEFSPPEDEGALDLPVSILK
GVRDLFLKTIACEPVLYETDSEAADSWANTADDAKSRPCLPSSSGVTPTCDPARIAFRDL
MNKLPKHSILQRNNQSKLLGGFLSRTPLNPPDRSPASSPTLIEILGERNTNKPAGVAHTD
FDDVIENEIKEYLDSSQDEEDPKQFVESCHAKMSTQSKSMDMGTIRHRKPRDDRSSVSSY
VSSSSSTVASTTSSQSLKSLTNKTGSQTSAFSSFGAHRKEQQMQGSEASKTIFEQDDWI
SFDNSSGDSFFADSSF

>comp5380_c0_seq1; 348 1 1092 LEN=1174; translated
XDDLTTSTAVVA AVVAVYIQSSLYLKPQHEAEQSKSTMVRSHEARGFGMLISAMKIPPHI
RILCPEQIGHGEDLKAALDGNPSNQFYKKEAGRETANTMLESTSEFLDVVQAGPNCNAFG
ISLGGALVYSLRYKRPEIIKKTVLVCPAIGFCLDDAFVDSIVKGTNNFVDFQSRDDVKFL
FRDLLSTGPYEDTDATNPAAPAPAATTATKQRRKKYPIPPFFMEAIYRQSQKTTPEGHYR
KMMLALLETTGRVNNCNDDEDFFGDGNENCRDDNARIFRATSDVDPKSPRLLLWPENDQ
ISNCAKGMLYFEHSIVPSSSSGADTGTIFETIPDCGHCFDGRMIYDVIRPRVKEYLLD
FHTH

>comp5380_c0_seq2; 419 83 1288 LEN=1370; translated
MKRNSRRWFEEATVGSHELLKAMELGQKHGKLVGPKSVFLPKCGIRMRYYEREAQPIAD
DQHQPQHLPTLLFCHGISEEARGFGMLISAMKIPPHIRILCPEQIGHGEDLKAALDGNPS
NQFYKKEAGRETANTMLESTSEFLDVVQAGPNCNAFGISLGGALVYSLRYKRPEIIKKT
VLVCPAIGFCLDDAFVDSIVKGTNNFVDFQSRDDVKFLFRDLLSTGPYEDTDATNPAAP
AATTATKQRRKKYPIPPFFMEAIYRQSQKTTPEGHYRKMMLALLETTGRVNNCNDDEDF
FGDGNENCRDDNARIFRATSDVDPKSPRLLLWPENDQISNCAKGMLYFEHSIVPSSSSG
ADTGTIFETIPDCGHCFDGRMIYDVIRPRVKEYLLDFHTH

>comp5382_c0_seq1; 190 227 721 LEN=890; translated
MSDRKVQFNGIDVILPSLERVEYTRQEAATWVSPRELKMKTRKDIKATVMLVLKGDRAH
LDSESHNTRGLEALTREAAATKKKRKSQTRKVVIVEQHDPELSKKEYMEVTEASRNEARA
IALQDAKYARSNRDISDDPTQPSDIEKRDDLEQIVGKAGDLGR

>comp5383_c0_seq1; 229 142 707 LEN=707; minus strand; translated
MTAIPMDHEEAASQAPEASSKSTEYASVPVVPVSPVGGPTEPSEPVSQAPEQASALEET
QGQAQAPPDAYNIFFKHTRSRIVRGLPEEGTVAETVLSIEHIVVNSTMPKQSRKSHGIS
FGDLARRIADRWKTIGTNQRALFDHYASLDMQRYRREVALWKAKKMRELAGSDVICGNVI
SSNSINSSX

>comp5383_c0_seq2; 321 142 898 LEN=898; minus strand; translated
MTAIPMDHEEAASQAPEASSKSTEYASVPVVPVSPVGGPTEPSEPVSQAPEQASALEKQ
KEKQKQKQAPKPKQSEAQAQNAAKPPEEAPKQNPNSKAKAQAKAKAKQTPKEKPKQKRRT
WKKPKDKPKRPLSAYNIFFKHTRSRIVRGLPEEGTVAETVLSIEHIVVNSTMPKQSRKSH
GISFGDLARRIADRWKTIGTNQRALFDHYASLDMQRYRREVALWKAKKMRELAGSDVIC
GNVISSNSINSSX

>comp5383_c0_seq3; 190 79 702 LEN=880; translated
MTNQRQILKIVLCSLLAASTVAMKDPATGISFDSESRARPIFGVGARKKGPICKVYVGMV
GSEDLKEELSSISRSESKGKKAVDALRKGASNSSTAFVLKMNFKVSEKMAQAIADSVKP
RHSSDEEVGQLKDII FEGVQGKGA AVKGTVIEFDCSDTDGVEVTVDGKCGKGVSSPGLAK
ALCDVYLDDKAVSPKPKESILENCCAE

>comp5383_c0_seq4; 190 148 771 LEN=949; translated
MTNQRQILKIVLCSLLAASTVAMKDPATGISFDSESRARPIFGVGARKKGPICKVYVGMV
GSEDLKEELSSISRSESKGKKAVDALRKGASNSSTAFVLKMNFKVSEKMAQAIADSVKP
RHSSDEEVGQLKDII FEGVQGKGA AVKGTVIEFDCSDTDGVEVTVDGKCGKGVSSPGLAK
ALCDVYLDDKAVSPKPKESILENCCAE

>comp5384_c0_seq1; 137 1 266 LEN=568; translated

XSSSNTNSSNSNSTNSLENLSRFELMFLPQERRVMKAVKAKAASRRLQRERSRRLHYCLL
ASVVTGIVLVVAVYVVVVQERNDDGPGTD
>comp5385_c0_seq1; 318 1 1190 LEN=1728; translated
XHSTTASNNSSLTRESAKHHTVAKQYFDRTRFVPSATGFSTIDPGTPLTEHAVA AVRNE
TKRNQTKPMSPIASASASSGTGPGDAAAWASPHRRRIRPRRDP SRSGSRGPGLVVS VVL
FLLALSRLQGAAGEQPSR SRHPSTGCISSGTELLRAVTAYYDPEGQAVDSYGTP IEDWC
LSPSVLDALYREGSDLETRFSATWEGIVDSHGETFAGGLEGLALAWLGASTNENHVCA
DLCAPAGEDVRVPVVPVFPDPEEDGIRDEDEAVGNDPHEDAASDNRDQEEPPSLSASA
TTRSTTTTSMVLRLIPVKLVAVLSLMCLALGLRQMYFSVDSDSRCWCCCKWFSVFGSR
ASYEGIDPSDVSEHQKNVEFELLELAELDAEVVIS
>comp5386_c0_seq1; 425 540 1271 LEN=1521; translated
MATGTTIGDLHSHDDVKDLQSEGLQGS PAYSLRRLQDTRPKKDG HQRLNPLEGSELKSL
VMDDR YDYTGNGYYDRKGGKGGADYFGGKGGKGGYGGKGGKGGVYQGGKGGKGGD
KGGKGGYGGKGGKGGYENPTIPPETEIPSLNSSSTPSPSDSPSKSPSDSPSNTPSHSPSN
SPSYSPSNPPSDSPSNSPFFSSSLSSQSSTDTTSANDADEVGE GSNDES LTSDAADRIG
IGS
>comp5387_c0_seq1; 420 103 1080 LEN=1304; translated
MAVANGWAFRPHLTKTIRAAGLVAATKGQAYQKHNRCV LQMGYYVEAE EEEEEAKNI IDRS
KTHMTFGIRCKEELQISIPSPSSSSGNSAITKT VVGLVPLVDDAIDKEAE EESFVFSFD
DVKDDENVEPTNARTVSRMLNLLFHSEYGDDEESSP SWTLVEIGADPIFPLAVA EWMEAV
GSEQKIVTNVIVKHSDEQRLRVLEHAHLFFNQ RKPSSSTLTFSTKPLTDDSNPWIETLQ
KGTNNKIVVLISNEKFATQLLDKMKENANPTANPAGDFVYRTIIPSTIMSREKLLLDGFG
CQSVGFGDENGDDGLDFWEIVPIRQ
>comp5388_c0_seq1; 223 184 1005 LEN=1253; translated
MSNSKPSIDNKT KPHPSEMGTGLRRLMICGGTDGIGF SLLASELLRSKYTEFYILGRDFT
RVRRLCKRRDDEMEPEKSSQKVIEIPCDITHLNEI STAVAKIGDDSIHDFVLTIGTFTSG
KIADIIPISSEENDCKNVVAEHFHLNVCSTIHLVRSILPKLVAGDSQILVCTASLALKAR
SPYGLQSATKAALRSVVDTLRIELAGKTRVMVMPPSV DTKIFEKAGDSRNTDGYPASR
IATIIQFMLDCPPDICVPEMLIEQHHRVHEK
>comp5389_c0_seq1; 410 123 881 LEN=1435; translated
MTLSSSLT TDSAMFNPINLEASIGRIEDHTINERACEAEQVSRSSPSSYFSSSQHLKNAI
HIPTTKSRTGITRTSSRTPFQTEAAANTSARS DSSNSLLPQYPPISETDHEIKERMRLTE
SVDWSNSLVIANSPKNTESVIEATENADQQSMMEVTVDDFVLSAE EANS LDTLDTATI
QDDPNGFWDTPAQVASTMSVDRDVDMTTAVPFSVTI SSQENAFMMDENEDGILVEGEDA
DASPIRSSDMEW
>comp5390_c0_seq1; 584 353 1654 LEN=1690; translated
MKFAACSTMVLLAASSSGVRANSAAIADLPGLVDG VRRHLN LNLGILGSPTRPTNSASHS
PYEKIMGHPVFQVTTSWGSA YMNMEELSQDDEDASAGAESEGSMLGVAKSGDEAAGIRKD
RYRTISLYYMDPDDAIGAHAEFKQMDGMKDADVR ITS VSLAKAVRSACNLGNLLTGQPI
DFHKGTVLPTKEGGLRHKILPPKKQLYYAAF CRGKERIGLFS DSSDEKESQKDHASAAV
IGNAALAYRNAQRKQAIRDRKLAYKPKNQLEADYAHMDGNL GIPVFYVPGMERRRRFR IKS
LVSGGVRKEIPLFFNYEDLQEAWQKTKPIGGDKD TYLPNEPQGV E VFNLDVLTSMKEQ
DKMAQKRAKESQNRVLQSLSQPFRNFRNLVDS DDEAAML DGI VIPS SDACTYKEGIT
ARGNGKARLRPMR
>comp5391_c0_seq1; 395 1 1201 LEN=1897; translated
XLPKDECKHQNTAMNPEHITGTVA AEVIGNNANCSG SVCMM SLSNHHEKTTGIDSSSCY
LGNSKNRANEDHRAVITEVKENDDKEGQYPPKTKGMKKHRVSGTDAMMEKTNKVASSLKD
AMEELDR IWDVDDDDNSCASSLSSFDEDEHEKQM QNVE SLPSSPSRNRVRQTAALLVRVFS
NELYDPAVQALAEHEELRSEAINLTHQLEISQREVKRLKGSELRSKESI QNLLKAVDRST
EEAKDSSQAKLVEAKLRADLLQTRKERDDLHHE SMVSKRSLELVTNEANSLKQEKSR LQK
ENIRLEREARSARVLAESLSRSKNANLNNGNDEHNAEFYKRKTRDLETHLQGM TARLAEK
NQELMELRHCRDRNLSQNRLEALRAGKKISNKKIRVSNAR
>comp5391_c0_seq2; 328 1 1338 LEN=2034; translated
XLPKDECKHQNTAMNPEHITGTVA AEVIGNNANCSG SVCMM SLSNHHEKTTGIDSSSCY
LGNSKNRANEDHRAVITEVKENDDKEGQYPPKTKGMKKHRVSGTDAMMEKTNKVASSLKD
AMEELDR IWDVDDDDNSCASSLSSFDEDEHEKQM QNVE SLPSSPSRNRVRQTAALLVRVFS
NELYDPAVQALAEHEELRSEAINLTHQLEISQREVKRLKGSELRSKESI QVSI VSDVLI
RFASQSIISQRFFVFSHSNYXIHFNHRKTNNECSQNL LKAVDRSTEEAKDSSQAKLVEA
KLRADLLQTRKERDDLHHE SMVSKRSLELVTNEANSLKQEKSR LQKENIRLEREARSARV
LAESLSRSKNANLNNGNDEHNAEFYKRKTRDLETHLQGM TARLAEKNQELMELRHCRDRN

LSQNRLEALRAGKKISNKKIRVSNAR

>comp5392_c0_seq1; 160 259 1158 LEN=1688; translated
MGGITEEPTTKIINSDDSDCNDDAGCTKRSDEIFKKTLAHSLHRRKVALAKQHNGKN
TVRFSTVRIREYMLCLGDNPVTRGAPISLDWVYIRDNCYELEDYEQGKHS�DRNSDVA
LATSTSIPAKLLPLERIHILKERGYSRSEIKDAMDRAHKIREQRLWTKRHCVDRFQTF
VRAMSCFSLSQDERIKCVDVETCSSTALSSSDLSLVHETDKSLREHKARWKRQPRNSLDL
MTSQRKQLQRNHLYKPRNLLKMLRSWHEKPQETDSIDTARHMSVRLEIDGSTLVILGGE

>comp5393_c0_seq1; 903 35 1465 LEN=1519; translated
MSEEAARKIKVAAEERNFLFSSESVEGHPDKLADQVSDAVLDACLKADPFSKVACETAT
KDNMVMVFGEITTSKIDYEAIVREQVREIGFDSFEDDLGSVNSKGLSCDSCEVLVRINK
QSPDIAGGVHVGKSDLDVAGADQGIMFGYASDETEQLMPLTHMMATQLGKKLTDVTRKDG
LWWRPDPGKTQVTIEYKQHTDGSVTPIKIHTVVI STQHAEPKAKRTEEQSGKDNRGKYE
GEEQIAPSMDEMNELIHDKVIKATLESIKLKSAGESALSIDRETCNLHINPSGKFIIGGP
QGDAGLTGRKIIIDTYGGWGAHGGGAFSGKDPTKVDRSAAAYACRWMMAKSVVKAGLCKRAL
VQLSYAIGVAKPLSIFVETYGTEKEGLTAAQITELVKIEFD CRPGALARDLALREPKNK
TAAACHFGREPFEKDGKFFSWEDPIDMSKYASMSTEDIDKECAAQKEAILKKWVD

>comp5394_c0_seq1; 273 105 1709 LEN=2042; translated
MDNNYTHEEDASPAVAGMMAQDVTCTVSTGGHGDENSKSIPSTSATMYSKCKSPYSTSE
FFFRLWENRWILLGQVLSLLLASGGAAQATLHLQCGLSAPTFAMSLVYLGLFAIHCPLL
WFRRWRESKSDGLSTVESEEEVVFDQHAYSNSNDANGHAIASYCRPERSEERLPITVE
HGEKDAVHPIHSQTTNDNISMRVSKPLLKTYFWYLLAFCDTQANALTI LAFRYTTLT
SVTLFDSLAI PSAMILSSLFQSTRRYQALHYLG VFLCMVGVVFNVLQDYKSDNEI IETT
DSSSYTHKLRGDVCAIVGGLLYGLNDVLTVEVTLSETRDTTEYLG MIGACGSIIAILQAFV
LERVEIQGFLSETVGISVDGDEL RACSTAEAMWLLVAFVGV TICSYLGASRFLMVSEAL
FNLSLLTGDLWSVVFVFEKIVPRPLFFCALAAVLSGVVYEMAPSPALEKRHHGGKHSN
NIVKECTEGTPIRKDGI FRET TDGGDAEVISSDSLEECGGDSNTLEIELKGI VS

>comp5395_c0_seq1; 279 201 518 LEN=747; translated
MTQKITTNMLLGLLVSSVAINSNCSVHAFTGMKSLSRNCRGNSLNARSPSVVFM SDDRSK
DDEIAKLEEQRLKKEEKTSEETA VAATTTTTIEEEEEDEDRGGG

>comp5396_c0_seq1; 235 1 905 LEN=1324; translated
XNSPKSSLTTTQSCGHYGVVSVISWCLVSHVNFTINFNTTRNRRNTSL SFFQKLPYAARV
AIVLEECGEPYETIAIDLQNKPTFCELYVRANIPNARAKVPVLEVLGKDG AHRISIVLA
ESLVVADYLADRYPDVGLTPSTSEDRAVMRLFSEL CGASVFSYWEILRARGDDEKFESAV
QKFKQGLINTNAFLEKKGKSGGPF LFGNQFTLAE CNVAPFLQRACNVLP AFTGARNAEMR
DYDSAGVDPKICEEEGLIRLKS WVC AVLARPSVKYVELSDEEMNQSVSKMLKRFEEMEK
K

>comp5397_c0_seq1; 381 150 1208 LEN=1404; translated
MAEKPISQNGKTDISMTDPSKFRPSPPAFQCGEELQEGGGTIGKSGVSFYCSLPQDEKRL
TFSCRDRSVGVLESKESAITNDEFDATQACAMD PFFFDEGYTLAGRTGFQVWSGTRLMI
ESLLFPLPDDKDRLVAIQKEINSADGKNILELGAGVGVGTALSAATRCRVLLTDLPTLV
ENSLLPNLKQNRDES RVEEATNETSWLYKASSNIEFEEDNEDVVFSLGNRGGWAS IAT
IDWTKTLNKEVSSVSLDWIVASDCVWLVSMLDSLDDTVDSL FGLNPRARLILSFQRRDA
GDNVRF TSVPSILGSVRRRGSIDCLAWRHVRQEGMTEPQEVFLFEIVPGSK

>comp5398_c0_seq1; 180 78 461 LEN=696; translated
MTSAQNHQSRVHCTTEREYWEAIESAGSNLVVVD CFAEWCPPCRQIAPFFDALSLEHP
EVVFKVDVVKVPGIGRILGVWAMP SFFFLKDGETVGSFTGAREGLLRQGIANGGRVGGV
CSSCAVQ

>comp5398_c0_seq2; 131 78 729 LEN=896; translated
MTSAQNHQSRVHCTTEREYWEAIESAGSNLVVVD FLPSGEWFVVMQRSAGQRRARPST
ERRKTRGGGFVRCFRFVSFRSFLT TSCVRAAKPSSRRGVATPRTIAQVSPLPADRPVLR
PVAGAPGGRLCQGGRRQPGDRPDGRLGDALVFLSQGRRNGGV LHGGEGGPPAAGDRQR
RPGRGSVLVLRGAVSTAYSIGDLAAPPWRAVRFVPR

>comp5400_c0_seq1; 466 487 1564 LEN=1721; translated
MISQLELSTMHQPQLLRKLSKPSKVASILDWKKASDNTVLALNIHKNRVGI AVASHPSLG
IPCIELDPLRFDDSHGNRTNISRSIDRHCLERFSDIIEDYKVRRLQSWLDQTRARVDSL
AFLRF CASDTLSFFLWFR LQVCGVVVNWPLQHD TGRMG AACGRVIFALEQLVERSNESTV
DIAEERLVGGNAAANDAKHDG VGISLRPFCLWDAGHIDVKQRADPSKRVD AFGRCASYG
REAREPPVARGQERRDNENENTYFASKEQYYEDELTVVLGVWDDFCREHWPDL YETRGGN
AEGILGKADGAHQAPASPSNDYGDSE PATPEKLP IRVSSPRLQNMAMKQKCLITMR

>comp5400_c0_seq2; 485 487 1446 LEN=1603; translated

MISQLSELSTMHPQLLRKLSKPSKVASILDWKKASDNTVLALNIHKNRVGI AVASHPSLG
IPCIELDPLRFDDSHGNTNISRSDIRHCLERFSDIIEDYKVCVVVNWPLQHDTRMGGA
ACGRVIFALEQLVERSNESTVDIAEERLVGGNAANDAKDHDGVGILSRPFCLWDAGHID
VKQRADPSKRVDAGRCASYGREAREPPVARGQERRDNENENTYFASKEQYYEDELTVVL
GVWDDFCREHWPDLYETRGGNAEGILGKADGAHQAPASPSNDYGDSEPATPEKLP IRVSS
PRLQNMAMKQKKCLITMR

>comp5401_c0_seq1; 662 56 1666 LEN=1750; translated
MEQNQQQEDIGVQASATEAKNSHSNRSPVRAKRSGRMLYESSFATSFTSARGQKRPPGFV
ASSLDYKSTGVNAASSPSLTTKPGRNLSLHNKQKKQKEQLEVEQQQLRQYRSGQSQPTRAQ
GNFGPPPHSITTIEDLESMSSEEQIYKLFMEDPELYESFIKSTETERGSTPTGARKARRST
SKKPSSESKKRRSAKAKTIKSESQDREIPYFQWIFLLVLVGVAIYQGYKTYSSSTSTKD
KNSIVSRRIKGGKQKNKGGKSDKKVRVKTKEVSQRRSEASSLMEKKHDVETANTAGRP
SSSKKKKMSKSKAKTNTFTGDSKEEQNKPDLDSSDVSEDDQALETSSKLDSTAPSN
PSTIPNREEDNDGEWQTVTKSSKGSKKEKALPPQNFHEDKEVIAIPVVESKQDNPSEKAK
DDPESPEERNTFEDSDFIEVKSKKKRRNLSNSGKEKTNNAQSAMS VETTSIEKPSVTKN
ENLSEEKQNGESVASTEEDAALALKLHEEMNLSKTDMSNSQEEGWEEVTSKKA

>comp5403_c0_seq1; 323 107 1699 LEN=1809; translated
MMHRAPSRGDSEARQAQAPPWGYVDNPAEVNNSFLSQEHLLELSYTDIRNLSSESDSN
RNKREKNAHDKVEDLLSKMLQTSLEDRNAIVGEIHGIQNLAPEESSEMIDAALSEL DQE
ISNVPPRSRQSFDRSQDIAPNGYINSSEFRLRFLRCELFDKRAANRMVQFLDVLSELFG
DVVLKRPVMMKDFSKHEEMQAFRVGHQQLLQPYRDRSGRRVFAVGGVGLDVPLLTRVKILI
YIILAASEDVETQRKGIISVIWPGTNTPSADKKS NVKLDRI MFMKRIYGNLPLR TCSIH
CSPSNELNTPFLRVFRTLITLTMPHYLGRLKFHAGQPIELLYSLKTFGIPAE LIPITDTG
NIKTIYKQWMLRRIIDNAQELSDHAKMALNFIECPGLNDVIFRTGTSLYCHPGNVRFR
CLMEQKHEIPSYIIQKTRSELAAQIIEETEAEAGGKFLKWDQRNMYWTPIEQSQVQNKVLL
AIRDFKYKSKIKRAHLEANQDKSFMFLNGEEHNANEMCFGTTFSELSER

>comp5403_c0_seq2; 196 107 1844 LEN=1954; translated
MMHRAPSRGDSEARQAQAPPWGYVDNPAEVNNSFLSQEHLLELSYTDIRNLSSESDSN
RNKREKNAHDKVEDLLSKMLQTSLEDRNAIVGEIHGIQNLAPEESSEMIDAALSEL DQE
ISNVPPRSRQSFDRSQDIAPNGYINSSEFRLRFLRCELFDKRAANRMVQFLDVLSELFG
DVVLKRPVMMKDFSKHEEMQAFRVGHQQLLQPYRDRSGRRVFAVGGVGLDVPLLTRVSNFN
VYSXSLKWNKTDVRQDI IELXII LRQLIPC NFRLMPPNLPPLKVKIL IYIILAASEDVE
TQRKGIISVIWPGTNTPSADKKS NVKLDRI MFMKRIYGNLPLR TCSIHFCSPSNELNTPF
LRVFRRTLITLTMPHYLGRLKFHAGQPIELLYSLKTFGIPAE LIPITDTGNIKTIYKQW
MLRRIIDNAQELSDHAKMALNFIECPGLNDVIFRTGTSLYCHPGNVRFRCLMEQKHEIP
SYIIQKTRSELAAQIIEETEAEAGGKFLKWDQRNMYWTPIEQSQVQNKVLLAIRDFKYKSK
IKRAHLEANQDKSFMFLNGEEHNANEMCFGTTFSELSER

>comp5405_c0_seq1; 854 148 2361 LEN=2468; translated
MDQLIPIVSKLQDVLGAVGQNTQLDLPQIVVVGQSSGKSSVLEGIVGRSFLPRGTGI
VTRRPLILTLVNTRTPGSEQPEDENRDPNSNEDGEGVEWGEFVHCPGRRFHSFQQIRQEI
VRETDRLTGSKNGISSDPI SLKIFSPYVLALTLVDLPGITKVPVGDQPENIEEQIQEMILE
FISNPNAILAVTAANTDVANS DALQMAKAVDPYGNRTIGVLT KL DLM DPGTDAADVLLNR
VYALRRGYIATVNRGQKDINEDLSIRSGLQKEEEFFNNHPVYSTDRNLRGKCGTKILAKS
LNNILMHHIRDVLPELKNRITIMMADVQQLDALGGPGQQSRNTLGGTLLGLLSKFASNF
ASIDGKGGELGSSEANTKNLALVELFGGARINYIFNDIFATSLMTAGPFDGLSDEEVRT
TITNAMGTRRALFVPEIAFDILIRRQIARLESPGIECVDLVYEELQRIAAQSEPKELTRF
PFLRERLCDTVSTLLKRCMAPTQMMVENLVKVELAYINTSHPDFIGGARAVASVTNRAAN
MEPMRNQELHIHTGSTGVPETPASQADSQYFNADASNGGEQTPYHDKDGGIMNFI FRGK
PTPIADGRSHSGSLPAVVHLPSVPANMKQTDIPPSDRELSEMHVIKSLIESYFKVVRKTFI
DMVPKTIMFFLVNHVKDAMQNELVSELYRESEVETLMKEADDVAERREQSEEMRDLGKA
LEIVNEARDFNTISQVE

>comp5405_c0_seq2; 790 349 2549 LEN=2656; translated
MGHGI TRARALIPFNSNPI SKKCVNRS AVNLQESLVYWKASSDEV SFPEEPVSLPVDXL
ILTLVNTRTPGSEQPEDENRDPNSNEDGEGVEWGEFVHCPGRRFHSFQQIRQEI
VRETDRLTGSKNGISSDPI SLKIFSPYVLALTLVDLPGITKVPVGDQPENIEEQIQEMILE
FISNPNAILAVTAANTDVANS DALQMAKAVDPYGNRTIGVLT KL DLM DPGTDAADVLLNR
VYALRRGYIATVNRGQKDINEDLSIRSGLQKEEEFFNNHPVYSTDRNLRGKCGTKILAKS
LNNILMHHIRDVLPELKNRITIMMADVQQLDALGGPGQQSRNTLGGTLLGLLSKFASNF
ASIDGKGGELGSSEANTKNLALVELFGGARINYIFNDIFATSLMTAGPFDGLSDEEVRT
TITNAMGTRRALFVPEIAFDILIRRQIARLESPGIECVDLVYEELQRIAAQSEPKELTRF
PFLRERLCDTVSTLLKRCMAPTQMMVENLVKVELAYINTSHPDFIGGARAVASVTNRAAN

ERLCTVSTLLKRCMAPTQMMVENLVKVELAYINTSHPDFIGGARAVASVTNRAANMEPM
RNQELHIHTGSTGVPETPASQADSQYFNADASNGGEQTPYHDKDGGIMNFI FRGKPTPIA
DGRSHSGSLPAVVHLPSVPANMKQTDIPPSDRELSEMHVIKSLIESYFKVVRKTFIDMVP
KTIMFFLVNHVKDAMQNELVSELYRESEVETLMKEADDVAERREQSEEMRDLLGKALEIV
NEARDFNTISQVE

>comp5405_c0_seq3; 808 148 2469 LEN=2576; translated
MDQLIPIVSKLQDVLGAVGQNTQLDLPQIVVVGQSSGKSSVLEGIVGRSFLPRGTGIVT
RRPLILTLVNTRTPGSEQPEDENRDPNSNEDGEGVEWGEFVHCPGRRFHSFQQIRQEIVR
ETDRLTGSNKGISSDPI SLKIFSPYVLALTLVDLPGITKVPVGDQPENIEEQIQEMILEF
ISNPNAIILAVTAANTDVANSDALQMAKAVDPYGNRTIGVLTCLDLMDPGTDAADVLLNR
VYALRRGYIATVNRGQKDINEDLSIRSGLQKEEEFFNNHPVYSTDRNLRGKCGTKILAKS
LNNILMHHIRDVLPELKNRITIMMADVQQLDALGGPGQQRNTLGGTLLGLLSKFASNF
ASIIDGKGELGSSEANTKNLALVELFGGARINYIFNDIFATSLMTAGPFDGLSDEEVRT
TITNAMGTRRALFVPEIAFDILIRRQIARLESPGIECVDLVYEELQRIAAQSEPKELTRF
PFLRERLCTVSTLLKRCMAPTQMMVENLVKVELAVSFNDAFEIQRKSCQFLVIHFLVVT
DSFHFVHLFGSTSIPAILISLAEQXAVASVTNRAANMEPMRNQELHIHTGSTGVPETPAS
QADSQYFNADASNGGEQTPYHDKDGGIMNFI FRGKPTPIADGRSHSGSLPAVVHLPSVPA
NMKQTDIPPSDRELSEMHVIKSLIESYFKVVRKTFIDMVPKTIMFFLVNHVKDAMQNELV
SELYRESEVETLMKEADDVAERREQSEEMRDLLGKALEIVNEARDFNTISQVE

>comp5405_c0_seq4; 744 349 2657 LEN=2764; translated
MGHGITRAARALIPFFSNPISKKCVNRSVAVNLQESLVYWKASSDEVSFPEEPVSLPVDXL
ILTLVNTRTPGSEQPEDENRDPNSNEDGEGVEWGEFVHCPGRRFHSFQQIRQEIVRETDR
LTGSNKGISSDPI SLKIFSPYVLALTLVDLPGITKVPVGDQPENIEEQIQEMILEFISNP
NAIILAVTAANTDVANSDALQMAKAVDPYGNRTIGVLTCLDLMDPGTDAADVLLNRVYAL
RRGYIATVNRGQKDINEDLSIRSGLQKEEEFFNNHPVYSTDRNLRGKCGTKILAKSLNNI
LMHHIRDVLPELKNRITIMMADVQQLDALGGPGQQRNTLGGTLLGLLSKFASNFASII
DGKGELGSSEANTKNLALVELFGGARINYIFNDIFATSLMTAGPFDGLSDEEVRTTITN
AMGTRRALFVPEIAFDILIRRQIARLESPGIECVDLVYEELQRIAAQSEPKELTRFPFLR
ERLCTVSTLLKRCMAPTQMMVENLVKVELAVSFNDAFEIQRKSCQFLVIHFLVVTDSFH
FVHLFGSTSIPAILISLAEQXAVASVTNRAANMEPMRNQELHIHTGSTGVPETPASQADS
QYFNADASNGGEQTPYHDKDGGIMNFI FRGKPTPIADGRSHSGSLPAVVHLPSVPANMKQ
TDIPPSDRELSEMHVIKSLIESYFKVVRKTFIDMVPKTIMFFLVNHVKDAMQNELVSELY
RESEVETLMKEADDVAERREQSEEMRDLLGKALEIVNEARDFNTISQVE

>comp5406_c0_seq1; 211 35 466 LEN=716; translated
MPSVIYNTRVFKIGLLFILSWGFSVAHEVVLGVSETTTTATTNHIAKSASGDTAPLRFFA
KDHTDALPLDLQIEPNATEAESAIASRRATPASFGIEGKVVPEEDDRPPLKADTASGNQN
AYSATTKTTMLLLGCTAQQLL

>comp5407_c0_seq1; 229 277 795 LEN=1171; translated
MSIIASSSPEIKALLPTTSMPPAADKTDDYSGNDSSTYGFPI SCERNIIDDCSGEISPS
LPRDIHCQHORSIGSLPHYSLEEDANHDIAEAESENKCIPTFLSTSASVDERRRGKFDGSN
NWFIEHRDQHNGP SMNRFGPTEDRDVSTNNKENSILGDETDDELTYLERYCM

>comp5408_c0_seq1; 117 367 1227 LEN=1227; translated
MAAIAIPARTRSVPPDDPRXPPP IPEPDAGQARGQAQDGGPFLDTEKLADRYALCQDRYE
AFRFRYYHLGADLDANAKRTTDSADRGTKTNGEWIAETFWPGLELAEAILLDLPEAGGWD
DGSCHTARAVAAGHASEALRLLLRILRWLEEEEDRDSFHGVS AVVFRRRKRAWAEASKGGG
HNDSLARCREYLEALRGLAREQSRGRWSTYEPMRRAVAGEWGEPEPGRELEREPVLGSG
LHKGRPHLAVGSSGKRGGENARASQGTSGFFRLDDCHAELCTGRSSVX

>comp5410_c0_seq1; 276 99 1268 LEN=1408; translated
MVRVARRKAGHRLPPARHLAVAALAVVLVCKLAFGGDGD SYKYKYNADTSTKDASASPA
RGGSPVEVSPVSRFTPLAYGTKSLKERTGELVATAISEGFRHIVTGGHSHSHNETGVGHGW
KASGLGRSELFLQTCFVFPFNRAFDAPDPLDPEQAPESIEEQVRLSVSISLKNLQTDYLD
ALVFHNNKAKRWADDEIRRAWKVFEELVDEGTVKHLGMTSVHDPEWFETFWNQSRKPEI
VQNRFHNSNRQYDVNMQEVFRRHNTQVQRFWLLNGSSRGRRSKDEAEARGVTPAQLMLGF
VMSMGSQTCLVGTKTQQHMRDDVEVARCYP SLFWWEAGSAGDTERAGSDEARVSYADKLG
KQPGDRPLPGPDEAARGAMDYRPCRSAAR

>comp5411_c0_seq1; 557 282 1727 LEN=1842; translated
MSTEPGNDPSMTPAPPSTTYIRHCDPNSTGEGLGSHARRTYPLLQVALHFVTVIWEY
DQQPCWKNNEYREYYSQECMELGPWLGFDTKLSDLDRDRTINVPLHIDGDDARFGNLRGA
PELINFCL EEFIRQHGMDFVGRQDRNRDYPFVLTLYGRFHHQDDPSPVQLQWMHRRCR
QWKDIVHQRHESL LERSSIDDDGDANDRNCSSNHVINTTKMTRVSDECSITTFVPLN

IVVHVRVPEDICTQEWKDANSVSHVLTALEQFLRQWNNIRHEQQQKSKKSGLEVVEKYTT
KLQLDVYTEESFTQAKEDFTAAALSEMRLLDHNGNDDADPTASPAIISQLRFHRQTPLL
PCVQSMASDVFFPASSYLSSMAAFHTSLIVLPNESTRHDPYFATHLKYRRKYHRKGV
SRVDVDTETSDASICSANTS GGNESSTSTTASSSHVCPIVRVEEEEEELKEATLRLWQGT
R

>comp5412_c0_seq1; 170 1 766 LEN=1004; translated
XDKPKHDIRKQEAQNSSRILAQLQYWVLQWYSSLKDVLDLDPDPDPPPRATELLPQTMPAA
TSENSTCLMMISAPCRAVSPSPLEAVAETETEMSVSSKRQRCDRVSFDPRTSIVYIEPL
SEFTDEEKETLWYDAFEMAWFKESARNLFRNRYSSSTSKRNNNRKTHDRESKERSEGHGAC
VADVGCVATAATTVAAYYGNENIVTDGEEEDSTRGMEVFVVPARQKYNKKFVRNVLEAYHV
RCTGNDEHVALLSERW

>comp5413_c0_seq1; 1094 105 2333 LEN=2504; translated
MKFSFALPALLVSYVAASGSNKSAFTPVVRVHYDDVLENEHFSLLDALEDSSGIIISMTNLPQ
NFAKVKKEVMGSLHSLCLLDQQEGGSIVGEESFGDGTVRRSFATATTAEEGPLRLELEDTL
TPSTACQAFEGNLQLFRSIAMKATNKFTAALSQEMEPHLMKPLLTKKGDNNSSYDTIQDL
VENGEQLEHFHSYQKIERISEEYHDDDHEEMETIDVHADQGGFFIAFTPGIMISHGKKDG
EASASDGFYIVEEDSNGAPIRVEFDVETDDLVFMLGDGVNQYINNRLIDGENIHRRLRA
TPHAVSLKLHDPQARVWYGRMVLPPNDALVAAETVQTTLYGDVRRRLVETPDAYIPAG
LGCSSPNMRALQHSSNHNEPSACEKGTLCWARCMGLSDYEITEEMCEEQNLGLKCINPR
GQFQTGERHGDFWPACSNTTQEVTPYPVIAQKNEVICTNATWDAFVADTDGITYDHSFDL
TTEKNSGTILQWSVVDEEQGIVNGRLVFNDFVGLALGFADPDGKHNGMNGGNILMALPG
TNYTPQFGLVPLTSAGSDEISIEIAKQKSALLATKTDPEGSIVSEYKISPHGSAFRHW
SEPTGINTAQNSMEVHTNECATSMTEFVVSINGQKFNMDGMSMIWAGNSNDYHVGYHGR
ANRARFNVNWKTEAEFWTDKEDEKVAPAEDDHGDHKKHKGNDHDDHDMEDTEMDD
SGVGRLSGYFTFFVAAVPPFLF

>comp5415_c0_seq1; 282 46 1117 LEN=1235; translated
MAHNPIFRKKYDGRKQKLIIEYFFSKALFGIPDLVFPVVGCVAFGTTAVSTAAQRFIGI
STGTFKVPFSLGFATVCGASLVSEQAAILSYELKRDPKRSFEYVQKKIRHQFLETSRNV
MGSSSLLRGEKGHFQKLPMEIRVCLLGLLAFKSLGGRFWGIAPSSYTHLGSFTRWSIPC
TENYANTKERVMIEQMGRKWGCHTCGSKMYFSSAKSGITGKSYRFVGDHMPKSVAKHMN
NQWFRKIGLWPKVKFRFYPCVSCSNVQGSILSKTGSGLGLLPKHSWASTMHGAGGGTSA
HFHGFTPRINHLAGGVLAIAIVVGADDEIAKGNPKRLKQWQKQIQKRFTNELRNF

>comp5416_c0_seq1; 344 2065 3135 LEN=4039; translated
MYSSKKRKFISDGLDVLESFSALEGDPLGVHTLILGTLPSDKSYGQNLSSKKEILLRGGDG
HQNYGHSRNSFWNIVGSAFGFHRKIAFNQVNIILTDQGYAVWDVLSQAKRKGSLDSNLV
KGS�VPTDLPGFILDHPNLNRFVFAANSAEVFCKKEVWADWLATGKANASSATTTDRPDG
IDNDDNFSCDATIETKFWIQGEVLNPETFARTNSIFGKKKTVLIVDDAAIARSYSKTTY
VEHDGTLRMIELIVMPSTSPANASNRPEKEKKWHVACYRLREPPEYYICPGCEFHRKR
HGSSATGNDEYEYEGKHFHDCPYREDWKAMKLLKSKSLKKQDADFDAIDPFGWYL

>comp5417_c0_seq1; 250 208 612 LEN=1217; translated
MPQSNKGLNAARLKANRAAGIGDEMGRLPARVKAEMICCLVCKAELKCTKTNTMMLH
AESKHGKTLLECFPGATAEAKAINAKLDAKSGGKGGKGGGDMTKAERKKKNAAMADNL
LLAGLSAGKKKGGK

>comp5419_c0_seq1; 369 366 1634 LEN=1902; translated
MGLPRSLLLLAASLVSETFANDPFLKEILMGRCYERWSGSPVVPPTTCGELVGSFLN
LLESRTESGLTERAFAEAYTSKADFSSPRDAGLVRVALGGGSQDGTETEERTTSPFGL
LEGGPWVTPETTPGGSLLDGLVFCANGNENCTRESSGAYWKFASAYASFARSAEGHLS
ILLEDERVDGAFLERAFLSHLGASGVEAVGIWGVDCASPLARKVSSFVAETVGLPCSCGG
PDVVELALCGSASTSGAAAEACAAYRRGKEAANATDNANEDAGGAPGEPDSGTEPPLATA
DGDAIIDQKDERKHGGWFFPWFFLAIGGYLWHKKKHPLSPCEPGRHRWCEDRTYDCIK
GDLFLPSTSPSFRTQGSRDEPPTSSSGSGITDSSSSMKYSSFANSYHGSGASGSTGGVAS
SQ

>comp5420_c0_seq1; 390 93 2747 LEN=2747; translated
MLPRSAAVASLGALLCLQLIYDAMGQOSETERLMLLGEKGHVYERYDRDDKTPYSSVSSP
NTGHSSVRGRRRS GSSSNKIKNNSRNSNAMRTDNITRQIPAGQGRLRRHLTTEETTCLRW
KVEIRYEEYEESHWECEFTNPDLLEATQAQTRDHHIIGTNHFDVDAFLDEQGAESGTTTL
ILSTGVELAMTESENQELHLGRNQVAMEDNAIEVTENDDL MVRRLGLADSIGNLRTLIVR
VSASDTEPPSAEKLYDDMFGEYCLKSQYKRCFSFKLNI TEYLPDEEVTVPVAEGVAGGI
VDVQININAVESSYNLQRLANSAAARDLFGVSMWSGGLNGIFDLVLFCLPPGSGSWVAYA
YLNWRDSSYNGPYCGSLSATLHEVGHNLNLEHSGVYYGDAITQDYGDASGMMGFSYLND

GPIQCFNPAKNWQLGWYDDKLLSVEPESLRNGPSTYILNGVVDYQDGNANGYVVIRIGDF
YLGFNKASFNRTGLASGDQVTVTKMTIPYRYTTGKSKLLVAMDAGSEYAI FEENVLVKF
VENANVEDAVIELSLFDPSPLEPPCETQIIVDVVTDNYPQETYWGITDPGGAI IAGQDG
YTDPNSSSRVVEGLCDNVQYTFVAVDYRDGICCEQNGSIVGTYDGNII FEASEFEFR
LAEPFI INRRTLSPNSPSVQPSAGPSYIESASPTIAPSASPSASPSTSLVPSSMPSKSP
SEKPSTSTAPSELPSASPSMVPSETHSEETGLPSLFPSSLPSEGPSDFPSTSPSHFPSS
SPTGLPSSSPTDFPTQHPSETPTVFPSEFPSSIPTIAPSVPSPSRSPTEVPSNFPTISPTK
SPTKNPTSAPSNVPTSPPTDLPSTFPNPTNSPTHVPTNVPTNV
>comp5420_c0_seq2; 79 90 892 LEN=892; translated
MYSTHLLQLIDTETEFVXEQNGSIVGTYDGNII FEASEFEFRLAEPFI INRRTLSPNS
PSVQPSAGPSYIESASPTIAPSASPSASPSTSLVPSSMPSKSPSEKPSTSTAPSELPSAS
PSMVPSETHSEETGLPSLFPSSLPSEGPSDFPSTSPSHFPSSSPTGLPSSSPTDFPTQH
PSETPTVFPSEFPSSIPTIAPSVPSPSRSPTEVPSNFPTISPTKSPTKNPTSAPSNVPTSP
PTDLPSTFPNPTNSPTHVPTNVPTNV
>comp5421_c0_seq1; 372 174 884 LEN=1014; translated
MAEVCLLEPPPSNDEESTGMDSSELWWTSNDYENNRKHKSLARRMLSSSL SALPDPNDV
DEDADGSYRGLERLLDGGYCKARMRRVIRVVRGEQARHFLDGVGEASDLAIAQVYGALC
VKSQAKRLGRFDAMEARKALEDNWEDDDATASTSTASVEDSSASLLEEESESPAID
CDRGQVEEPINNENDNATPIVAVNSKTKGKLWSGRLSLRTNYKFSMSNMNRRPHAW
>comp5422_c0_seq1; 444 157 1380 LEN=1651; translated
MSSEKTSVTPRRSLFPKSYSKKESKKEKVFVTFSPYARCLKLEPQNLSEDERACLWWQKN
DYEDFARLGKII SKAMLEGGSEVWLRSKCTPFCASPTSSCSVSEYGNAATVPTTTRDDTM
VESHSSTRANPPLHLHNHVSETEPQEFYEMQGWKWHKFGHSRRGLEHIASNSEGRQRHA
NARYAIRSVLEEQQRQEMFLPKGYFDVVKFRSVYLKQTHWARLLALAAAGESD TDAVQTNF
DESRRKPREHYLKKHFDNNIDNAATNNDVDIPNFMKTIVSTARPTKKNLNDANTISQICF
RNSQIDPRSDNSKLGHNKKNKVTGKTQLSSKPAAPESPSSPDEEGKAKETVVND DAS
TSTEDSSTSNLAKMAAGWGGDESSSQEDMSFVLIGMGIAEKPNITVG
>comp5423_c0_seq2; 598 231 1871 LEN=2208; translated
MLMHSFVLDALATTGADTF SHFEELINEHRKMCLANGDNNWNSSSSDHEPKQSRLKRLVP
TVGVFHTPLPLRRAYEAYNAKYKLD RRRHLAISFNEIRHILNLAQVMAFSEAMEPAGHRS
LSTASGNNAGRCIFSRNPLDSPAFTPLNGKEMGAMPPLSLDAPAETPTMTVTASKQT TDD
SSDDSSDSGPFGRGSPMITFDGDQTL YSDGANFESNPKLATYLYLLL RNVTVAVVTAAG
YEYQTAKYEMRLSGLLQFFRQKKPLLTEEQLNRFYLFGGECNYLLRLGSDYGLHPVREHG
AGGWMATKYLGLDSPANWPQEDVTRLLDLAEESLRGSM LDQNLQSRGRFLRKKRSVGMV
PIGGDAAPIPREALDETVLRAQDHLDRHNLRGNSRASTIPYCAFNGGRDVWVDVGNKRVG
VQILQSYLGVPAAETLHIGDQFLNTGNDY AARQTCPCIWI INPDETTYVLKSILRLAGID
LLTVEHGDADNHETTTPTATMRRG SNVDFAELEERRTNAVATMDVFTGELITKG VGTGAA
SSDAKQ
>comp5423_c0_seq3; 618 65 1714 LEN=2051; translated
MKSMLMHSFVLDALATTGADTF SHFEELINEHRKMCLANGDNNWNSSSSDHEPKQSRLKR
LVPTVGVFHTPLPLRRAYEAYNAKYKLD RRRHLAISFNEIRHILNLAQVMAFSEAMEPAG
HRSLSTASGNNAGRCIFSRNPLDSPAFTPLNGKEMGAMPPLSLDAPAETPTMTVTASKQT
TDDSSDDSSDSGPFGRGSPMITFDGDQTL YSDGANFESNPKLATYLYLLL RNVTVAVV
AAGYEQYQAKYEMRLSGLLQFFRQKKPLLTEEQLNRFYLFGGECNYLLRLGSDYGLHPVR
EHGAGGWMATKYLGLDSPANWPQEDVTRLLDLAEESLRGSM LDQNLQSRGRFLRKKRSV
GMVPIGGDAAPIPREALDETVLRAQDHLDRHNLRGNSRASTIPYCAFNGGRDVWVDVGNK
RVGVQILQSYLGVPAAETLHIGDQFLNTGNDY AARQTCPCIWI INPDETTYVLKSILRLA
GIDL TVEHGDADNHETTTPTATMRRG SNVDFAELEERRTNAVATMDVFTGELITKG VGT
GAASSDAKQ
>comp5424_c0_seq1; 235 1 904 LEN=1035; translated
XDVLTIISLNSNCVLFRTSRFSNHPDI STTKMSARKFFAIFSLGLCF CASVTEGR LFA
RASSTSSNDVAGPAEHESETTGLSRRPASVEIATRKFHDFGEP SKNTSMCARIHPEQLP
EECSCEPHPYSLVVECHKVFSSTYFN DNTIGMKIDLDPCEEGAKISLDVTEEDHNIDFP
LAGIRAGERKDVP I PGLAMIVPGVGNVGLDVSVFIAGNP TLLRLKVGLNACAQLSTDHQV
CASSIPGLSTIFPWYVLKGTYNFGG ICESKSGAGVDGNVEVDGTNNSDDTKEKKAIVIEQ
K
>comp5425_c0_seq1; 606 36 1583 LEN=1923; translated
MKYSAAALSLASALLAAPVAAQPAISVHSGT TNPSKCYWTIMDQM QIQSKNP IRMTYRA
VGSSTGQAEFIGDGVLSDNMFGSGDIPLSQEKFD SLAQGSFFHLPVLLGAI TFFHSAPVG
DQKLNLSACTLSKIFKREITDWN DSEIILANPNL DLPRPAPITVAHRVKGSSSTASITQY

LNQACPEEWPEELVGKTIWDVDTIGCEGSGGMSACIKDIPGTIGYIDMGHGHSEGLAEI
ELQNAAQKYISTKEAAELGGIMAAAENADLPDTLQGSFANVLLNQQGSNTWPI TAMTYI
YVKKDLTFIEDPAAQSLVKAFRAVYSDDYIPQCEEEFGFVRIGGELREKALAAIETITT
SPGAPEWSFEIDTQKNAGQSDYVISKRRKSYSELEQDKLVEMMNKMSFRIDQLEAQNAAAL
MSQETVSATPVSSSPASSKPASSDFMKTSSSTGAFGTFIDEELDEDQQVKTALIMSSVSI
ALWVVAVLGMIVKYASGSTASKASKPEEMMEAGMN

>comp5426_c0_seq1; 252 460 1572 LEN=1679; translated
MRQNYAYDLYPRELVGLEEKWNLTQNGADFQGMKYRLKYIVSDFILEMLRTVAYTEECE
EGGVEIPSSHMTYEVTFFDDTPPGDGLLERTFNIQTEVNPVEDSLVYKTVIDPETGAKLA
EVRFCMLTVLRTNTPNP IGVNFLTETVVGFTANLTSGFGV SANVGPKEKIVTTAAESYNVN
AYLCDEYNEELTGSALTNARTQGQIVRACVTPDQDARDDGVFMKAIQDFTWFRDYGGGLG
MVSQVAVQDSQAASNLLTILYCTPGSITCAFESILFASMFLTPGDVSGTGTALLQLGDSS
EERKRRGLESSLRSRLQDAGDLPATDFGLEFDLRLGEEYTGTLKTASSPKLELMHSIAT
MGTIALINLL

>comp5427_c0_seq1; 233 195 569 LEN=659; translated
MISSLGARAFSTARALAGRNAMARPFPGPASSTARFLAAGAGDETSVVTVCTNKIREALET
TEVTVTGAYDDPNGSHVSIEVVSQKFEQGRPLQRQOMVYKAIWEELQGPVHAVDSMVCKT
PDEA

>comp5428_c0_seq1; 900 113 2665 LEN=3205; translated
MSATANGGSGNASKAPAVSTGTPTGPSRLSNYSFVIGTTLICVFFVTLSSMETLTSHFVN
LAGMSSPGSSSSTIEIKEIPGNKIDTGSLLRKKSKSSKRSKKSATLVKSGADGAVNPAI
VNWDVVNEPKKEGKPKKEEKESKTDESGSKKKQGIENGNNDSSSPTPFTSALDSVIDAR
KDMIKKLKKQYKDNFDTIFRYDKEADDASNNEKYDGGVPTHKKLQMKYRPIRPLAPKDL
YRTNHWGKESDELKEYFLKSDAKYWNSVENLQRKMMIKLLLQKAPDAKGSNKYVWATG
GHSAAAGHGNLFKESYTKVMEATAVSVFDAAGLELEARNFAMGATSSAAEMSMCFKEVYG
DDVDIFSWDFGMLEARYYLSGRLLHYATRGLSNQQDPQSI VPAFVGLQELDESRRKSMV
ELHDAFRGTGSYAEDSLAENGLALFLTDTSYWKIMTEAVPETSGLTSAEIEELPELVRY
FKCNGGIEKGD PFCGEKKYSEEVCPKRDGQVSWHPGWKYHALLGNMFLTEMLLGSVT
TLEKEVREIKNGKGISDDDALAELLGRLLLEEKTLQNF IHSATTQKLPKSHDKVYWNNT
EDNWEMYPEVLEYLSVNATDDFRDRFNALDRQALFVGPSICHTARLPSKTRFTGTLTNQP
EMTGEQAI FGRETYFVGMIEEEFHDQNVAKQQEGIVSDDNHEITLVSILKEREKDCGEEL
AAPDYHDYFMTHSSEGWTSLSLTFPNDAEQAAAYNYKQADRYKGLIIVPRFCGFGQCEEGF
LGYREYNEGKWEMVNVGVPVTALTMMGHEAILLEHESGIVFDRNSEGRYDLEFRVNEPNS
FIKISAFIMY

>comp5429_c0_seq1; 111 155 787 LEN=1223; translated
MSSVGFPPNLSEELLLKVASYLPPRDLLRFQCVSKDLSNLDTDSIWEWHCEERWKPWPY
RLTDQKRVELNSGGTETFGMTWKRRYMFIEKDATRTTLVSRDLQNLKWYLSFVLSGIRGE
GRSDHLP IEFAGFEVLLVPGYPPLSYQIVNKTPPSNGDRIRKNLRGDQPF SRKQYLKISN
FPPHLISRKKSDAEWLIGNENVIMVSRGEL

>comp5430_c0_seq1; 223 279 1730 LEN=2140; translated
MVSSSSPEPSLTYLRPEVLK LKESLDQFIQQEVI PAEAEYHEHMEGRHSNGKGRNDSRWS
LDAMP PCLSRQLSRARELGFWNLF LPPRLLKYPHWDPKLLGPVDPNNVLCPSITLTYREY
GILAESMGRSIELGSMACNCSAPDTGNMEVLLLEFGTPAQQKQYLKPLLEGKIRSTFLMTE
PDVASSDP TNLLETVLINHKQKQNGNQSYTLKGRKWWSTGAMDPRCRIGICVAKIVDEKEG
EGNDADNSSVKGANLHGQHTIVLVPLPNPNVRMIRALQVFGYDDAPFGHAEVGLENVPLT
QEHLIGGLSGGFKVVSQARLGPGR IHHCMRSIGLAQRCELMLELSTQRKTFGKFLCQHGS
VQKDI AASFHDLQARLLTLDCAHRMDTSPNGPRGARQHISSIKVAVPALCLNVIDRALQ
VHGGLGVCQDTILASAWAGMRTLRIADGPDEVHRRSVARIEIKKVVMAKQEAQE QDQLKR
SRL

>comp5432_c0_seq1; 198 698 1318 LEN=1985; translated
MPKIDAILVLGSDGDRLAGKYYGDFLKTADDGHSREETRHNFEKEVQKIGGIVARPDAA
EVVSVRGKTVVFCGSSQGGNGEVRIVHVGPSNESELVLAHLCEGMHDALAQLMGTTDR
TMVLDNLELVFLLLIDEHCDDGII LETDGSKLASAVLLRDEDAQPGEGGTGGQPQT
PGLPPGVTAGDMTLGQAFRQARDQFLSGGM

>comp5432_c0_seq2; 185 146 781 LEN=1448; translated
MLAPLMPKIDAILVLGSDGDRLAGKYYGDFLKTADDGHSREETRHNFEKEVQKIGGIVA
RPDAAEVVSVRGKTVVFCGSSQGGNGEVRIVHVGPSNESELVLAHLCEGMHDALAQLMG
GTTDRTMVLDNLELVFLLLIDEHCDDGII LETDGSKLASAVLLRDEDAQPGEGGTGGQPQT
PGLPPGVTAGDMTLGQAFRQARDQFLSGGM

>comp5433_c0_seq1; 580 205 1491 LEN=1491; translated

MGSGRRDLLLQPVLPALRKSTIPFTPARTKVYAIAPSASGYSSSSRVLGNANGDDDDSSSE
STGGERLPHGDEGFYEGNDASGDGRNHRDREEDQELSSYPSKEHIYSLQDENS DLQKRI
QRLEIVLRDNGFDRDGKRIIISPGRATDGAADGRCIEMMSMMGMDPERPTVLTKYMEF
KVLELQDELEAMELDRDLRSMIRDLKASGSGTKPRMPKGAETGEGKELENDDESSSSSD
SDNESDSDSDSDNEHARNKAKSRSMKLRDGGVSDDETDDDETDDDDTADDETDGDESE
SSVSDDAGSQEESTRAATPGNRATPDESRKQEEKMEELRLKKSLEELLTKVVDESTKRE
TLLKQKVNELEAHIDETEHKEELLREQMRSEFETKEKEENQATIAPPENTI SSDQYREQE
EELQETKKK

>comp5434_c0_seq1; 177 1 365 LEN=773; translated
XNSNSNSNGAIGLINEYKGRLLFFVCELRDDDFPSDEEHPPPPSPGDFENKNNGRDLSSC
RQQTGIRLSLEHSGFRWFKDTADGKSRPGEELSRLLRFHSGGKVRKAIEMAYRVVKEEVN
G

>comp5435_c0_seq1; 389 108 731 LEN=944; translated
MKVVAFLLTTLSCAGAFSTSGSTRSGRKSFGFLFAEEADVAEPETMGAEAISALTSVKTHF
TSVDVDSILPHRYPFALIDKVVDPVKNKVIKAVSRNEDFFNGHFPGQPVMQVLE
AMAQLAGVILNTADGIEEGTIGFFGSADGVKWKKPVVPGDLLVMEVEIKKMNLRFGIVKA
SGKGYTDGDLAVEVGEMLMLAKPEKK

>comp5437_c0_seq1; 692 213 2882 LEN=3275; translated
MKARELSSLTALLFICSIYRYEAFVNTAPSSSTRPNSSTETSPAILFYSTRRNFDADCSS
RAGHNKRRSGYRRQHQRNFVRKPRNDAAIRHKND EAYNERKWLQATQDVLEKEAGSL
VKGKHELVS MIKGWKHKFAKMDPEAPIRIELLIKRLHDERLAGNDEAKADISMYNSLLDT
WCCVALFGTNYREQSGKSVNRLASPLAASQRAREILMGMQGN YDLAVEAAGSNTTALDWA
QPNEESFGLVFDVVLKVEGVAPARRLVAVMEHVSKTGRNDLAKPARKYMRLLNAYANSH
DTNAGNLAEGILRHMIKIGEIPD TVCYNIAIKAWSKARRGRESAEHADRIEEMQAPKDV
ITYSSVISAWSASGMQSHAVVRAEELLREMEETPEVEPNTVVLNSIMSAWVKS KNPAAIN
RTTELLEYMEQAQHAPADLVSYNTHLHALSIHSHREPDAQRANDLLTSLEARYERGEIR
FRPNLFSYNNVIDAWCRSQASDAAWNAVKLLRNFINHDSKYQPD TFSFN NVFSALSRTNR
PGTTLLEHLLD YMEIAYKNRIFKNAKADIVSYTCVIVTLARSGEADAAERGEKLLERMK
EQYKSGKTYMKPTRVVYNALIDAWAKSGRGLVSRKAEALLKEMEEMCAMGDASVAPNVI
TYNNVMTSWARSGTRCAGNMAVKYLD RMTMINGTEGKIEIRPNDKTFHTVINAIAKSPNE
MKAQKSLQILRRMDKLYQSGYTGAKPNAVTYNNVLNAAA SSGTSTDFKTKRKALDTAIFT
LQELQSSQYAQPTESTYSTFIEACYNLLSTDDLEVELRDI IENTFECKEDGQIGDMFLSR
LREAAPKDL YEDLLSEVIVANRDEVKVDLDPQSWRCNVRRGGRKSRQP

>comp5438_c0_seq1; 338 138 1103 LEN=1495; translated
MNGETLGFSLTMSSTSLDKGSAAKPLEKKKVA VFGTGGYLGCCAYGFLQRAGSLYGTGID
GVGAPRAIVATSFSGSANLNSVLSKNFVLAQADESYIRLTDMTSSESIQSKLRGFDAAVLA
TRYSFKTLPITMGSYGKGPNDKTREFFMDQPRSATTKLMQDPEYSDQVFLDTLEACKNSK
KLKKLIVETDAEFDAEESFVGDKYIQALEESEIPTYTYIRPIGRMENIENFTFKKG VQTN
LNIGRANSVEELWPVENKPIYREHIAAVCVQSLMTLGWEENQVIQVDQSPDVLVDVVKV
NTGKEWCVNSSIIQNSLAALS

>comp5441_c0_seq1; 131 111 535 LEN=1050; translated
MEAIHGRPSLWHNLSGGTIGFLGVATGRLGIPLVSPAHAYRYGVSPVLA FGVYGSISG
VMAXDAGLEALLRSNEELSEPERKANGRPNSWTGAKSRKRAKPN TTRQNTAQHDGLGGCR
LAFWSIEGNEAGKQALSPTIR

>comp5441_c0_seq2; 84 103 728 LEN=1243; translated
MYFYVDTKSWAYQKRCLTYP IQSSAVATILFSAIDIFQGVPLQNV MNPRSLGTYFGGIYC
YHAIQCPMEAIHGRPSLWHNLSGGTIGFLGVATXPAGDPPGLPGPRLPV RGVVPAGPGLW
RVRVDLGC DGRDAGLEALLRSNEELSEPERKANGRPNSWTGAKSRKRAKPN TTRQNTAQH
DGLGGCRLAFWSIEGNEAGKQALSPTIR

>comp5442_c0_seq1; 419 114 914 LEN=1089; translated
MDFGKRHEQQQPLVSSQYD LLTPSRRAQLMFGSETLLMDSKKQNE LLWARVFRQEKNIAN
LSEENGRQEKTLAHMAEENRKLADMTARLREQLEVQAE LNKDLANRNDELANRN TKLASY
LRAKDTQISVLKENKKS LIEKNSNIVSYLKEMDKFIGSIQIKQEELFAQQQLRFQHSVT
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>comp5443_c0_seq1; 428 434 2026 LEN=2072; translated
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QSP LNEKVEVIKAI DQLQGTATATITNNHTSESQSGKPSDLLSKYNPLNAPVILDGWNRT
VQVHLIVDVTGGEDINPASKLLLSAVQRSKYTQLKAVTFVRPSIETIDFFSRKPG LPLLF
LVDWGSMDRDRCHRLQLTLENIREQEKNSKRKREKEQPYFLLIDSSGSTRRTGCSYLFVS

NSDDRRDSETAISYARANDNSRIRLAKRSIVQNRIFYDRRNNKVHLGDVSPNQWDGAPSDY
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VVKTLHSSINKEAGTRMENLVQISYTDKEGMEAGNVQYKYTEMELLRCKIVVIAQRDEWE
DHFRLMESLASGALVMTDRMVALPAGLEDKVNIVIYDNPMLKDLIKYYTKPKNKNKRKR
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>comp5444_c0_seq1; 372 277 1452 LEN=1856; translated
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LPPTVPIVLPYWECEGVSSTTVPVPLSSLTIRHLLGGSKPGSFEEGCGRGDTVGVGGGIG
RGGSNHDDTHPRLVVPLTSLEIVLNSGQMRIFQPGDVILLEENCLTGGHILQGHEGNDMI
VMLLTLPHAYHHAGKDRNSLSSIFENNFVKQSPCKTGLVGNNDRTESRKNIVVPSRSS
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FWHERLLKLGGSSTPVNDGNEKEDKDQDS
>comp5445_c0_seq1; 412 126 1616 LEN=2019; translated
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DNSTLNPPTATMDTAPFNATPPEPGVTPAAVPKTAAGVAITKSAHTSDSHATTTANTK
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IHLPLQSLSSDDDPFRGIIVGCNKGYEAVEMLRIASPPNEKYNLSQWKEEFLKMGSSSEGE
IDTHFDTSVDCADGMATSNRSGRIQNAEVYCLEATPKTFAKLVETRDALGYSDEELHLS
NLVVGANFDEDDMDLGLVTTDERIGSMGVGLHHAQTCEHKKHKNVKNKCVRVPTTTID
GWIEKHPKLSSTLSTTKRTPILINILSITAETSDYEILMGSASLKNIQYIDFNHYHWYANW
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>comp5446_c0_seq1; 601 148 1263 LEN=1452; translated
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IVDMEFTFCMDMEKFFHGIKNLLASSSPAYGATASGLTDLMIENAAVGTVISTDYSGYQ
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PAGFYFQSRMVNPLLEIVEVLHQQLVMDMDWAVERAAGQKTKETERLRKSLDFGAFVR
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VQQLREMVGGG
>comp5447_c0_seq1; 405 106 1311 LEN=1582; translated
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QGAYFAEVENILAEYKQNGELREDELDEGVVSVCKRHSGPVVQAAVAEYIEKGGDRMNN
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LGVDMMSVKNPSREGPRDVSKIFPSSQRGRGRGYMSNVRR
>comp5448_c0_seq1; 280 827 1471 LEN=1612; translated
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TSSFSPTISQKTVKQEIKTGNSSATNIMASVDNIGDLAPQMNSSGGNDNNYDLTSLFTMS
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>comp5448_c0_seq2; 328 129 1340 LEN=1481; translated
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IVSWLPDGRHFVHDPFRFVETVIPSFAFKQKSLKSFQRQLHLYGFQRVHEGPDKGAYYHE
KFLRDDRDLCLSI TRAKAPKRNRTASTKTTTNTKKNKVP SLYANTKTTE TRGSEKSSL
SAMPPTINMPI SQNIFDAESQARQSLSSSEFSVATRGPLHTASSSPFQSSNAVLRQQDHF
SSSSNSRHGPTNVTHPQQTINNQQLESSVADTCRWLIDAGVPMSAFDPVSIQDISRSAPL
AVPQLNTSATSSFSPTISQKTVKQEIKTGNSSATNIMASVDNIGDLAPQMNSSGGNDNNY
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>comp5449_c0_seq1; 671 57 1517 LEN=1656; translated
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NGSSANEICVEIEYGSYDDNVNEDQSGSGSNDNNEFSGTLGCGPDGEYVIAAFESS
CDGNYFAGIVNNFDEYNEQHSAGCHNIYQYGNESVEDVTMLLSNSWSCRRLYPNGCP
DPYGGKQSYDFAIRTVAHGGNAERAYRNMMLKPLHIVSWVLLALT VTVFILT YLVKNES
RAIESKGRNFVGYLRCIGEDIVTGWGCFCTLIVNWCRRSSCEDGQSSTEGSAAKDDDDNV

STDDSDNSYVKVEEKQPKKKNRVGVALKRSVSAFVKLKGKTRGSADKEKSKELQKEKDFS
RSPTWH

>comp5450_c0_seq1; 525 1 1628 LEN=1815; translated
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VQYAFYYGAPFLGQACAGGPHHCSEDFDGENLNCAACPKVKTDENGNPNGPGHIPPHIAL
AAVQRFYNDMAGDQDMDVADIYADAFDYEANACRILPDVLLRMIRTYFPRDPETGEAYYP
PPFTELGGGYPLEFVNLVGETCEKEKAKHSEAGEMEFCFEQHSGDASLYPEYLELGHGSPH
YCTKEGKEADVINDWCPYIYFGPNRGKYRHPHVAFAAVETYLANLVMPDKCGTTWDDSNY
PPEVDTPAFPYMEDMTDIDAMAPTQPVINDDGHFVWPGPAGTKKKPAKGFNFDFLYVTAS
DAIDGYCGLPSDKTCYALGWPTCCLASDSECPEEKPACDQGQEPPEDEPTSVPGASYCTW
SPETDCYASGWPACCEDEDAETACPDERPLCEIDPPTPEPSTDPPLTGTSYCTYAPDYDCYE
NGW

>comp5450_c0_seq2; 210 211 723 LEN=910; translated
MEDMTDIDAMAPTQPVINDDGHFVWPGPAGTKKKPAKGFNFDFLYVTASDAIDGYCGLPSD
KTCYALGWPTCCLASDSECPEEKPACDQGQEPPEDEPTSVPGASYCTWSPETDCYASGWP
ACCEDEDAETACPDERPLCEIDPPTPEPSTDPPLTGTSYCTYAPDYDCYENGW

>comp5450_c0_seq3; 595 1 2126 LEN=3477; translated
XANARSYQNSCARDFSKRTTMTSPSAKTLLAILAGIVAKASIAAGQDPANSTFPSELPY
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VQYAFYYGAPFLGQACAGGPHHCSEDFDGENLNCAACPKVKTDENGNPNGPGHIPPHIAL
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PPFTELGGGYPLEFVNLVGETCEKEKAKHSEAGEMEFCFEQHSGDASLYPEYLELGHGSPH
YCTKEGKEADVINDWCPYIYFGPNRGKYRHPHVAFAAVETYLANLVMPDKCGTTWDDSNY
PPEVDTPAFPYMEDMTDIDAMAPTQPVINDDGHFVWPGPAGTKKKPAKGFNFDFLYVTAS
DAIDGYCGLPSDKTCYALGWPTCCLASDSECPEEKPACDQGQEPPEDEPTSVPGASYCTW
SPETDCYASGWPACCEDEDAETACPDERPLCEIDPPTPEPSTDPPLTGTSYCTYAPDYDCYE
NGWPACCDGGADSCPEEKPVCEVACDTLVGMVCSVDDLSQLCSLIQIRAGLVDALSTGSWT
VFAPQNSAFERLNVGDWSKDRRLRLLLHVVVADEVLYSSDLKCVSPENLITMANGFDSRT
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>comp5450_c0_seq4; 226 220 1221 LEN=2572; translated
MTDIDAMAPTQPVINDDGHFVWPGPAGTKKKPAKGFNFDFLYVTASDAIDGYCGLPSDKTC
YALGWPTCCLASDSECPEEKPACDQGQEPPEDEPTSVPGASYCTWSPETDCYASGWPACC
DEDAETACPDERPLCEIDPPTPEPSTDPPLTGTSYCTYAPDYDCYENGWPACCDGGADSCP
EEKPVCEVACDTLVGMVCSVDDLSQLCSLIQIRAGLVDALSTGSWTVFAPQNSAFERLNVG
DWSKDRRLRLLLHVVVADEVLYSSDLKCVSPENLITMANGFDSRTLRCRGGVPAFQKGRSN
DSDDIPAIVLDDAVACNGVAHIIDEVLLYKEYD

>comp5451_c0_seq1; 431 608 2053 LEN=2363; translated
MGFSFRPKISPSYNTNKNVLLFESSKLLKKKPSVGGNERSSGLPTASTSKRRSSRSASS
GASSLRIRTSSLMSLGTGSLGRDGKVVSVFVSPKARSAYGFSSFFPSSAPTRDAEISGT
RLDFDQAQPVSTTSMAPSTKSRIIGRCCSFLRVSDLAMDESVAATSVASEISYINEMQE
HTRHPVNNPPPGIEIDPKERWIALCTTAGETANDVSNNGSNSEHTPIAPKAVESLANYGM
TTALDESMWVPDSKTDKLIKASGGSEWMKHTFHEGLVKASSFSDISAKDVLVWQGSYKH
GLFGSEIPAIRSAGIVNSSAKKMVELLVDSRVKEYNKISLGRTDIITFDGNFDEEGPFG
KSITKVMKSESKPPMMSPLSLT SVLHAKKIPNGSGYLIVNRSVHRPEDET VASSMKTEIV
MGVNLVDFD DNAHESKSGGIERCLMINVNHMRSPMVP MYIAKKVAVTSAHKFINDIRAL
A

>comp5451_c0_seq2; 385 462 1505 LEN=1815; translated
MAPSTKSRIIGRCCSFLRVSDLAMDESVAATSVASEISYINEMQEHTHRPVVNNPPPGIE
IDPKERWIALCTTAGETANDVSNNGSNSEHTPIAPKAVESLANYGMTTALDESMWVPDSK
TDKLIKASGGSEWMKHTFHEGLVKASSFSDISAKDVLVWQGSYKHGLFGSEIPAIRSAG
IVNSSAKKMVELLVDSRVKEYNKISLGRTDIITFDGNFDEEGPFGKSITKVMKSESKPP
MMSPLSLT SVLHAKKIPNGSGYLIVNRSVHRPEDET VASSMKTEIVMGVNLVDFD DNAH
ESKSGGIERCLMINVNHMRSPMVP MYIAKKVAVTSAHKFINDIRALA

>comp5452_c0_seq1; 358 1 1516 LEN=1680; translated
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SPADPSYVLT TAENNPSEATLWKIPPESIDSVPADLSDGGDDNDHDGNYGHDESPSAN
YGGAGSDGASAMEERAVLRGSASSGASARLTDLAWRGAAWDDGDPSTESTMGDVATLCS
D
GTLTQWDVAFGSAESTRSCAADLSSPLRPGLPPRMAWDPHHPDLTAVSSGEAVTLVDWRE

PPSAPSLGSSGRPHHRYGITDLDFNPKNPNLLVTSGRDGLLKFWDLRNTGSGFFDADSGG
GQEIVAGGSAGRTKKQRPLLVARGGHRHWATRVRYNPFHDQLVLSAGTDSLVLNLRMSTI
SSAPLLTFDDGSAEDGESLPQGQHQNQHNTQEGPNVRVSRYEHMDSIHALAWGASDAWI
YLSASYDGKVVLNHVPSKEKYKILL
>comp5453_c0_seq1; 196 862 1068 LEN=1424; translated
MPKALPALILVHDNKILDSWKGLISPAQLQDMLAKHVKNGTKTCDNNPVATKPRPFRGIS
FFNESMAL
>comp5453_c0_seq2; 255 294 920 LEN=1276; translated
MVSSRPYIRYHGSPLFFMIKNILFFVLVSNIEKAQSFVSRPLHPPSTRSYTGNDSSLNA
VNSKSIIVAVTDSNYKELFSGEKFLLLDACAQWCGPCKLIEPLLEQCARDWKDTLVVGKFD
VDGANSESRDLKVELILQGAMPKALPALILVHDNKILDSWKGLISPAQLQDMLAKHVKN
TKTKDNNPVATKPRPFRGISFFNESMAL
>comp5454_c0_seq1; 148 1 1051 LEN=1225; translated
GTPNTPASKQTTSNRFVQSQCPLRRPSSCNWLPVVFDEYQNDVPAEVPPTHREKRKGGH
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PVGSGKTALVVALIKRLAAPGAGHPPLAVVTNDIFTQEDAQFLWRNQDVLPAZYKAVET
GGCPHAAIREDVSNLACEDLTESTLLGSDAGGACATPPPLILCESGGDNLAANFSGELA
DLTLYVIDVAGGDKVPRKGGPGITQSDLLVINKIDLAPAVGADLGMRRDADRMRSTGGH
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>comp5455_c0_seq1; 247 75 653 LEN=870; translated
MSPIASILFFCIIYCASTVDARVSGSLVAPKPSKPRIFRSSINRFVDKLFQETDANND
GQISFEEAYIGCLMLYVQLNQSAPIPPPDRKKFRIFSQAAEGNKWNNKKNALDLEQYE
NMLKKLVARAVLRLTSHKIVTIAGAPLLAEMIVRSLAKRKKGFEEELRSIIPLQFQDATI
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>comp5456_c0_seq1; 260 1 949 LEN=1158; translated
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IVKRETSRIKESFTQKRKRSHDLNDFLFKGFENKPKKQRFLLPDDENTSHPATNVPPNGI
QRVISSRSSSVSLETGELEMLNKWKQSVASNSRQGS DATITQKVRALQTNFLVSPIRYCL
ASHPSIVSSNWELKGTVDSNYLKEKCRVTLAPSSYSAVMHSSRDLSINGKLELEIEMITA
RRKELAAALRKPINSRFDVDNVYLHGLSLKIKNGLRLTDFEVDWLERMKNNTKYGSIEKD
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>comp5460_c0_seq1; 713 408 2528 LEN=2761; translated
MGVMEDESPMSFLAENLVAVVVTGCVTLGLLGALLAVKSESKSRAATSNKQAASSGAGK
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ESRSPFGADSKPDETPRAVLAATYGEGETDNATELNFQMEDILAAANEEEEEPQKPLL
LEYAVFGLGNTEYEIFNAMGKFFDSAMEKLGTRVYNLGLGDDSDLEADFEKWKDGLWA
TLKKRYVNEGALLPTSAEDGKLSLPDCEYTVSWEEEA STGPDSANRASVPLDTVYGSK
HYFTA VDCPVTVVKELRSPSDGGSTVHVEIDISDAKNLDYKTADNLGVLPNAPEVVEEV
AEALGFGQDLDRVFLGKGVNQDGEHEHEWHLGFPFSPITLRECLTRYLDLTSAPRRSDLK
LLSSYAKDPVDRKALQRLSSKDGAKEYKEKIVEGKIGLAQILKLCPSLEIPLHLIGNVC
RFQLPRFYTIASCPKVHPNSIHLTVAVTRENRPDGSLEFEGVCSTHIAQGLNQSLRVFVRP
STFRLPSTLSTPVLMI GPGTGIAPMRALLQDRKHQSEQEGAKNMYNALYFGCKREDLDYI
YRDELEGYKSGGILNDLYLAFSRKDP SKKEYVQHLLKKNASSTYTLLEKQGAYVFCGGV
KMGHDVTETLKKILVEESNGSMSQDDAANFLSKLSSEGRFVQELWS
>comp5461_c0_seq1; 216 250 699 LEN=1697; translated
MNDRELGSLPAAKSALEAPLDDDRSLRVPCYCEENVWRLAYRKTYLQKHQNKIDTPNKSC
SYHVAFVSNPKGCVPMFEQVAAADRENPFWDYHVILLMCEEDDSSTARKGHVFDIDSHL
PYPCPLDEYIERAFPNHTEWKDEYLPFFR
>comp5461_c0_seq2; 340 250 1017 LEN=1586; translated
MNDRELGSLPAAKSALEAPLDDDRSLRVPCYCEENVWRLAYRKTYLQKHQNKIDTPNKSC
SYHVAFVSNPKGCVPMFEQVAAADRENPFWDYHVILLMCEEDDSSTARKGHVFDIDSHL
PYPCPLDEYIERAFPNHTEWKDEYLPFFRVDASVYLRHFSSDRSHMFDNEKKKWNAPPP
LYDCI V PSETKKRIDLNGTNNNTSTTTFHQYMTISKNDVVD SRQQHQQQNSKYEDSPFGR
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>comp5462_c0_seq1; 906 57 2405 LEN=2738; translated
MVFVASTNEVGLDLRANARTKLSKEKNGDNFGGSNYRYGGKAEIIRSKRASDHMKYLT
KASKMGEDVESIADTKTNSALTVPGGVSDIAWYDGVFSSLFGGNTCEDRNDMKNVDGSI
LICGSPGNQTDVSLVGPVFGQMGDCQAQTQYDEERQDIDNESASEGTVSTLGKDLGDDLK
SLPSVNGGILPGEDDTHIDVDIDNLPMSPRMGT RKSFGNKTKKEVSKNENFESLVEKKIKN
LKSERSSMDVSKNVPYLRQKVFPMTAGRNDSEYSSNGHRNLDPAVLETRRKFLVRELRSA

ISKHGRFDVRCANITAALGDLYDENKEYRQSLRLHKDVVSVYSVNLGDDDKKTLDAKLRL
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RALKTYREVLGDTHPTVSVTVDSIASLYITIGEYEKASAILLEEVAKLKAATLGVTSKEVA
SSLSELATSYECAEQYGKAMKNLKKAYKIYADIVGEHGEKAI I I L E R I A L I Y Q A T G Q Y K K
AAIAYLGVLRGKKRALGGSHPTIADTYFHLGVSLRQSNQFDKAFKCIKQALNIYVGEKGE
IHDVQMIAEVMHELAI IHKANHNTSDAIKTFKQE IAVRRKLGQPEYPLIAQALNHLGVAE
FELKSHNRALNYFMEALAIYEKNRVETASKAADGTVVAGTDMAEVSYNTGLVFEESLHNKK
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RG

>comp5463_c0_seq2; 187 1 1119 LEN=1287; translated
QINKPRKKMDEAKVTNTLCFRDGNCRFLMALAVGWLCLFVPSLVQASRGPPYTEEVRVQR
HHERGYEFPFHSYNPDTPGWRRMDQRFQVMALTDQMKGWGWIQTCNAAVTAPNFTEY
GWGLTQAPDLLTDIRQTIYDNLNSARSEGGIDVIGGPNTPLFIDAPHLNERALTELQPI
LEAWSGVELVPAIAYGFRLYRNESNLWMHTDRAQTHVISCYHIASSDDSEPWPVIVIEDY
EGNTQMAYLEPGDMLLYESSKNFNGRPTTFNGSWYTSLFFVHWYPKGEWNRKDHDIESHYA
VPEEWNELTPTSREHPDLKVIGTSMLEPNCPDNWCNLAKAKKVYGPQYGTVLTGKTI
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>comp5464_c0_seq1; 228 1 1166 LEN=1508; translated
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LAVLLAVLGVANTTKHIFVDGFDLQDHRLSYGSLKSRVTVGLEYNSSSQKLHNRVPQTAA
EDDQPSKEKVTNYAFSVRGGSRVTRTAIAVSVQPKRRSQIVPIMVSLVIGSFSVLEIIES
LHKEVESVVGHAHGMFLLSLIRLRSVAILQTQTEELAEAVEELTEGKETKAGSSKKSFL
SFWKQALLRFVSRHVAIAACVMASIASIVEVVEDLKPGAHHGAVFLALSELNYQVNRFS
HIVDHSNGGKKKSEPKGLLFSFRSIVLGPLLFLAAAAFAAFEVYEDTRPGAHHAVALAL
AELIENLDRSKVLRKRFRFILFGPKMAS

>comp5466_c0_seq1; 677 84 2372 LEN=2795; translated
MAVLSQTHVSSADVTVSSPGISAEQGGSGAKVQSGGSNAPILSPSTVSQVSQEDNNTGGD
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DGEKCKERYDFLRQSQGGRGVPWTRQEDEQILALVAQHGAKKWSSIANSIAGRSKGQCR
ERWHNHLNPNINKSKTWTMEEDRI I I D S H I R F G N R W A E I S K M L N G R T D N A I K N H W N S S M K
KKIEKYLKERKVDPTAPVVDESGRFLLRREDIEGCLQALQQSGSNSKSIKNQAKSYAGRP
LGSTRNLNHHMHPNRMVPLATPMSAAQNPAAYNSMMKRQYDAMMVGAYPGMGYTPKSVKRVK
SSSEYNKNSKLAEMSPVNKKILEEFLSELKGGYIKGVYHSALERRRIVEKAVKSGSIGEL
NALGLSQSEYSRLQKAVPMNQSRRLDGPKWATPQQQLYPHHRYSNGYMVPPHPMHGWH
PSPLYPMAQLFPGYPPVPPPTPLPTNNLPTPSSTKDSTQLQQASSKIETLSNSLSLKH
SPILRTRKDNVQKDTKSKDNFELGESSDLGYTLDEYALLGSPCAKGSKSNCFSPFLIPTP
NKSSTPGMCTSWGDDAKLLHDTFSKGYVSSSKSSSANTPRVFFKDDLTEQSILLDSGTK
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>comp5467_c0_seq2; 764 252 2270 LEN=2515; translated
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ELREVQEELEERFVGVKSGSDGPRVDMLKEGLEEKEAENEQLRGTIDQLRCMDKELLE
EQQSVDRQSRMQPGGEETEGLISEARPKALRELNRVIRLAETERKNRQYKRIAEDAQRK
TKQFLQEKEQARVAGKRIEQLEQELQRAVKAEESTSEQLRHWQSLGVEMVRVVFAPGAAK
SRDPDIAVVQKHLNDAKTRASASEKHESELKKELEKANEAIQILQAEKSSFRKEAAWEE
QRLEQEKRQQLYQKDMKVLRSQEGVYKREVESLRSIVKTFDELPLKASQGGSVGTNSGGN
SHPANVRALEASLEAADQENAVLKEATNELRGDLKTSMAEKKELQNKHATVLEKFGKLRD
ALYAERAKAEKAEERANRAEILAGKGSFNPERTRVLHMGANPLTMALKEEIGVLKKQIEL
LSSAETNKKTKSAFASDVPNKLHQRLKQSFKEQISRYREGVYLMTGyrVEMIPDNDRYT
FKVRSMAERERDYLVFQWPEGKEVTSLLDNLNTEHAKMLTKSPSYEYMTKFHSLPAFLSS
VQLSLFEKQMTI

>comp5469_c0_seq1; 502 180 1364 LEN=1595; translated
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ALCKELWHPTQWRRRVLELNASDERGISVREKIKQFASLSVGKAGSHTAPQARKDFGT
GSHGSADATAGEASEQTGNTNDSEAKSYPNPPFKVILDEADTVTKDAQAALRIIEAHS
RITRFILICNYVTRIEPLASRCAKFRFQALPPSTMKERVTAIAREEGRKQSGGRNEAAV
ITDRQIDAVLAVSGDMRRAVTSLQSVQALLAGQPGTAADIDEEAIYELAGLPPGAVVE
VLYQSLLSNSFDTMQAAVKNVLDHGYSVQTLQKLLDRFLETDDLDELGRARIAIRIAEA
EDKMNDGADEYLQLMTCGLALRCLQESANKMKQ

>comp5471_c0_seq1; 358 26 379 LEN=643; translated
MKSVALFVTLATASAFAPVQQTVARAATTSLSMQAQSPKKGMIAMGAAPVTFSS
LATVATEGTSEWFGVDDTRLLAVLFFVHWAAILTLWLQQYGDADDEDEDFGEIDYTG
>comp5472_c0_seq1; 627 365 2182 LEN=2416; translated
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>comp5476_c0_seq1; 724 97 1407 LEN=1545; translated
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>comp5478_c0_seq1; 1334 505 4686 LEN=5362; translated
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>comp5478_c0_seq2; 1231 505 4806 LEN=5482; translated
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>comp5479_c0_seq1; 369 206 805 LEN=1013; translated
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>comp5480_c0_seq1; 275 1 1145 LEN=1252; translated
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>comp5482_c0_seq1; 450 140 1366 LEN=1519; translated
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>comp5483_c0_seq3; 434 1 1494 LEN=1616; translated
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>comp5483_c0_seq4; 329 1 1649 LEN=1771; translated
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ELLKRNTNEGCTSESDDCVLKNANSNAHANDNLVFCDWLMDEIEVKRGG RFLGWDKERVA
WVQMKTDQEKQLAKIRQKVFIAIYNCGRNFNSALHLPVQNNVIGQLRSSSRNDNLNTTT
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>comp5488_c0_seq2; 330 1 2000 LEN=2177; translated
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MCVSNTPGSRMIVDLFFLHG YRDKR TKVNMLFHRG SVQETRYSVRSYGIPTQLFPM TATG
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EDPNNIPMEIEQKKSAREDRQVIVECPCLNDVVFRQGTPSWGNPGNATFRQLMLDHF AKQ
ELLKRNTNEGCTSESDDCVLKNANSNAHANDNLVFCDWLMDEIEVKRGG RFLGWDKERVA
WVQMKTDQEKQLAKIRQKVFIAIYNCGRNFNSALHLPVQNNVIGQLRSSSRNDNLNTTT
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KSGNHP
>comp5490_c0_seq1; 285 123 833 LEN=985; translated
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GTRYARGGGVYGWDMKRKLT SKGANFLADFLNPGVSDLTGSFRLYERKVLEQILPEIRC
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>comp5490_c0_seq2; 222 123 563 LEN=684; translated
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>comp5491_c0_seq1; 94 1 638 LEN=638; minus strand; translated
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>comp5492_c0_seq1; 275 48 1280 LEN=2508; translated
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QLLRVTRAFYFRSIPATIYDARA KEAEGLTKAEFFERYGFVVLNHTSAMESD WSES DR
NIAALLGAYGNRSKDGSSYQAIIDDFRNGDTPVKRIYAKETTDLLRSILPRAKNVMGPS
RGIRRYPTNNLNKGF AKQVHNDYGLDFDAVVERNPFDFG SQKALYEEKQADEYMLVNLW
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>comp5493_c0_seq1; 394 146 1000 LEN=1109; translated
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QEEQKKRIDGLDAIKQALMDTSFNGRNQSSISIKPPTQHVSTNKAKRKLVAKEVEHMNLI
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>comp5494_c0_seq1; 389 79 1749 LEN=2388; translated
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EETRCKQYGVPLPRDSKSRQRRIFFGSMLANENPEVIVAHAEAYNKYDVVALVESNTT
HFATPRTMNFGPGSISVRTLQSESELFGRNTTKVVVDYWLEDEPDLKMSREVEQRNTIW
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FESTPLCVKEWEWFHPDLIAGHCILGVGDPQGRATPERDITVGGDRRIPAGNRKKGWSND
YKKYPEDVLSNDRFPLWDGRDIREINGNEDNLVNFDRPFREGMGDTAVYGTAYHLHNWFK
DLTVLRHKYATYGHANPDAGKKTLSNIQGDLMLVRCRGLGNNPALEIGKLPDDGYPPY
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DDEQRFGLSKDPHNK
>comp5496_c0_seq1; 416 156 1358 LEN=1456; translated
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SPHAEIFALLEAAGHVESGIAAAKNVLHGDDVGEENLQELIDTYKGTSEDDAISDGPEKLF
GNAFADIPVTAYVTLPEPCCHYGKTPPCAASLALAKVNRVVVGFDPNPRVDGGGVKVLQD
AGIDVDMADKGCARIVDSFVKRILPKNYDSENYSHVTGQMRRALRKMAGQQKMENTLQQ
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>comp5497_c0_seq2; 460 58 1801 LEN=1801; translated
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ARKKSSGVAAGKAQATAGADCVGGYAGIYPCENVDLVGFVVDLPLPRSGEPANAANDV
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GAEKDNHGIQIFDLNRLNLMVRSDCSSPACQSLAPDHVYRFGFSDVIGNSHNIVANEESG
YLYFVGSRQGCNGGLHIVSINDNPLDPKFVGCFGDDGYVHDAHCVKYRGPDDRYQGRDIC
FCFNESVVTIVDVTESNFEILSRADYKQTYGTHQGWLSSDHKHVVFGDETDLQAVWGG
REPRVRTMILNVENLSSPKNYRERFGKATIDHNQYIRKANAAGLNYNENNDLIFQANYEA
GLTILQAINYDEGLREVGSFDTFLYGGEDPYFSGAWSTFPYFSSGLLILISSLREGLFIV
KPNLGDALVTSEQPIESPSKPPSKPPTKQPSQPPTQSPVTVX
>comp5498_c0_seq1; 163 1 328 LEN=555; translated
XEEEEDEEMISLEEASMDMFLSEGWKEARSNYDPSNTATKKRQEEEQGNLIGTVAKLAG
GILALVLFSQLIPVQEDLSKYSSIKSGPATTTIDLGD TNKVKGQTMGDL
>comp5499_c0_seq1; 308 97 1143 LEN=1873; translated
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FPDDDSGLAMFMSASLNSRLKEVQEEESKLPLVVLDSMLPRQVLELQINNDLLIELVRDC
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KEFTSPNVNMAKNLSLVDRWIELARERERSSGQIDQILNDLGIKIPADQPSEAFWVGAL
INPIPAMGVSLAIRPALLTAKKAEQRVEVALNGLLRSIKYMEGSASLV
>comp5500_c0_seq1; 213 177 1061 LEN=1193; translated
MPKAHHRHQHTIGGRSPCSGPIPSETSNDGSLPFSSSPRKVSFEDNRSDSKSSICSDDTV
LMENNKGKQISEGTESGREQLPSTRRKRSLLVRPITSLSLVDLARSMEVEDDGSMTSGQD
GTDRLERKSKRIRSFSLSPRSVISNSDISNAHQDHRLWSPSASVVEESESIKKSPWGHF
IDMVPNEDSNYRTSTHPNFSNMLKSYRRIPSQNLMGGLQHRSLRRSIPYCESEDYRPRRT
QHATPSFIGLKTDSHLVNIMSETKNNFRLTPRSPNTKKGQQADRLIGVFSDLQL
>comp5501_c0_seq1; 198 1 677 LEN=1055; translated
FLQPKNESYRIGNRNRNRADSSSTIRIKMSNSRIALFGXFPGLLSTVLATGIEALSFSIDL
VRESTKNHLHSRRHFVGMASAFVAAAPLVSPAVSYAVQEGNAKERFVAARKELRSLIDD
YAEISKGGDAVRARLGTQGISSDLFGIQKVLKTLSEEADDLVEYTEMMEEFDAYYFQAE
GAAYQSMFVEHSSAKGTPESFLKTAKTDILQMEKYMDQLAVQLKL
>comp5502_c0_seq1; 636 441 2165 LEN=2423; translated
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ICTARPGWQSVLSYRNYKSKWNAIEMPLYDILEVDEGSMIVHVEPFVSIQQLTHALNPK
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DLFHAIPWSYGTLLALLSAKLRLLIPCKQYVRLTYTPHRTREGYVEHMRELSGEYNKEVEN

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GEETVEYIPLLDYYHRHTQSLFWEMELMIPIGNHPVFRWLLGWLMPKVSFLKISQTELT
RKLTERTHVAQDFLVPTRKMFDFLAICDEDFDRIYPLWLCLHDHAPMPGSLKDPVAVPKP
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EGMFDHTGYKKLRKYKADGGAFKEVYDKMNILL
>comp5503_c0_seq1; 365 171 1187 LEN=1413; translated
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GKIEKKYTGAARAYRAELDKQLDIAAAKRGEEETASGAVASTGGLENLSLQDQQKAAAV
SQTAVVKPVAVAVPTAKKASELAGAKGKLVVTPSSGNLLRKPTTSLKTGSLGMLRKPVG
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>comp5503_c0_seq2; 365 159 1175 LEN=1401; translated
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GKIEKKYTGAARAYRAELDKQLDIAAAKRGEEETASGAVASTGGLENLSLQDQQKAAAV
SQTAVVKPVAVAVPTAKKASELAGAKGKLVVTPSSGNLLRKPTTSLKTGSLGMLRKPVG
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APVAVVEVKKEPPKPKLSAMQSGVSRMQSMNSDFFSGI
>comp5504_c0_seq1; 320 90 1139 LEN=1449; translated
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GNVGLLVALRLSDTYKVNIGIVRNADSVKPFEGREDSISL FETDLLEEVTSTSKPETLSC
PDSLYPALCDANAIVI CTGTTAFPTKAWRSRGEFSVTSEVINALLDSKFDVREALNQLDA
KGLNTPRNVDNLSNKLVLDAWKASSKVSRAIMLSSIGVTRRESMPFPILNACGVLDK
AAGEQALMDSASEDGF SYTIVRPGQLFGGPPYDNNYYLGT LFLQDKDSETQDVNLGKGDIL
LGDTLRSTLAEVTAQLMEGNSARDVDFAVVNVKGDAPTADSVNEKLVAL
>comp5508_c0_seq1; 251 1 892 LEN=1340; translated
XEELSSVPDTSKDKHQPTAEVQRRGQEELPPLSADAI SGIKRRLWEETANGLGKVVRNLR
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PSPPELSKASQQRQGLRQVSSIKSPPTVGYLERKRKQNVDEALNSMKYFTDFLVLSLSIG
TSATLFLLEKCGNNLR TDFFEEAPLVAGRSLIADKICPGMLEL CFSDLQVRKAFEDNQ
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>comp5509_c0_seq1; 561 209 1711 LEN=1939; translated
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SNGVVVPLAGLVGNLQRNLVETS IHEALKDDHRIRLFDTSHAAGNEREVAKGITTGVKA
LKDERESLGEEDRKKKI QVHVVTKIWYTHLGYQRTKLAVEE ILENFEEAINDPNVDLKL
TLIIHWPKCFDEIPWМКCKEEDRLPERIKNAGPPPHLDDNAWKESWVALEDLYDAHNSV
DNNKNDSSSVIAAIGISNFDRASFETLLSFARIRPHVNQIN VWGLLHNKWMIDLMNEAN
VHMQVFNVMGMIRHVYENPKAHHLLMIANRVHQYIQDSVSVAAEENSGRTLEKVFV
QLMLKWFVQSGISVIPRTSKFKHLDQNSAVLSMIPDL DDEETEVS RAMVALIENEDFE
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>comp5510_c0_seq1; 318 959 2164 LEN=2472; translated
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HGSPPSLRDQLFAEKIRLIDALVVMGWEHYRCFLEESECFEKAEAAVRHIYEEALELSVE
LFC SAPPATGTSIANNRMLMLLLTLD FDEYCESLLGYQLARESTSASLTADSNGADAAA
GVRGADGR LAEILKPAAQGNAYLQQVHELWKTGA FERFDVAASHEEEHLAKIHAAGLCL
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LLADSYRKEWA EHLEGYGSGAAEELFDM DMEDEDEDDEDGL
>comp5510_c0_seq2; 318 591 1796 LEN=2104; translated
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HGSPPSLRDQLFAEKIRLIDALVVMGWEHYRCFLEESECFEKAEAAVRHIYEEALELSVE
LFC SAPPATGTSIANNRMLMLLLTLD FDEYCESLLGYQLARESTSASLTADSNGADAAA
GVRGADGR LAEILKPAAQGNAYLQQVHELWKTGA FERFDVAASHEEEHLAKIHAAGLCL
VLF RKLEYKQTDLKATERQFRYLFDEYLPRLAQP SMNNI IATKHARILFQDGTPTVYWS
LLADSYRKEWA EHLEGYGSGAAEELFDM DMEDEDEDDEDDEDGL
>comp5511_c0_seq1; 550 40 1239 LEN=1897; translated
MAATIPPTCDNDGDTVLVHLVLTGASGYLGQHLLSQWITKGLGLEEEESPAPNRKYKTK

ITALYNRSEGFPGAVESFCSSKSNKSGRGSVDVAVRSIDL TNADDVRSFVSESSLLAEDS
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TDQVYDGTTRTEAFYTTETETKGLEPVNAYGQTKLEMEKLLLRGRDSDPMGDCFALRSSIIL
GPPAPIDPGCAHGTFLDFCRSRGETETPTTFFFTNEYRSVVRVDRVLDTVRGIVVRRVLLG
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>comp5513_c0_seq1; 448 170 1525 LEN=1715; translated
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SNPANRLYQDKKCLGYLSCDVGTCDRICGQECLRGRPGRCANPCAADPATACPGAVSCI
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DRMRSDASRRRHRKEYCKHNPDENKKGGETEKGTEDEKGGDQAEKSSRAAVFTGDA
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>comp5515_c0_seq1; 197 94 387 LEN=519; translated
MTAEAEAKQLDSVTDVVKAEIDTAKAQEAIGLIRSKTNDDQQAALAAVTISRGDVELI
VSELEVTTEVAERTLREVSLDAKGGNVVEALRVLIA
>comp5516_c0_seq1; 254 1 791 LEN=791; translated
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RSGPLLHKSDDDEVSLTEEAQASPSAFPHHSTFIPREQHRHDQRDCQRGNAPVGPNDSSS
SIRSTTATAASTNGVAHATDYQPMNSLLGNLHMMRQQQQRRRQMQGARVQTQAHNATTVH
PQLQQRHHQQHHNYNHYYQQQQQ
>comp5517_c0_seq1; 327 112 1113 LEN=1212; translated
MGRFLSLGALYPFLAFPSIRALSTAAESAASKRLVQEPTWSDVAIKAADFTISQRQKL
ADLGALDIQRPMKIVGTPLENNDNIDSESKINTNSKVTKTIHFQRHGQGFHNLCIDVWRE
RGLPIDFDSTDPENPLIREFFLDPPLTETGRRQSMDDRIQCAALTPELVIVSPLLRCIQ
TAKLSFVDHLP SRNGKIDPRSADYVPWVSHEGCREELGLLVGNKRRPVSDIVVDHPDIDF
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>comp5518_c0_seq1; 423 258 2024 LEN=2135; translated
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DFEKG IARDFQNNELHGIIGV SCKPSLV SSTLQAAAEMGAPLTGTGGSSSLSEAASAFEGL
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TPTSTTADRPTWKSVLNSCLPGFWGVMLLKRILRTPVGDWLP EGDRRAL EYAMEFHV L
PMVCAVVMATSRRKVESVQMAALLAAAACRGSILGGLLSGWCAAILEERLLYASILRWKL
PATFTNLLTGGLVGVV TATLMAPLSPYLGAATGKFRNLTA VYLWGSAGSSNDNDIHESL
RLVFSLLGCLFCYGSKVGWYHSIFLPLILIE MELGDP SMLGALDVLALVLCAGVCLGL
LVTGNGEDKGLARRGMTTNLLYGDFVEAYYPHAEKYPLVNAAGYAASALSSAILTTDCRS
SAYLPFPAAVWLADDREAFLAASLIAFFIPFLGTVVNHTL FVRKRKSE
>comp5518_c0_seq2; 217 147 557 LEN=668; translated
MELGDP SMLGALDVLALVLCAGVCLGLLVTGNGEDKGLARRGMTTNLLYGDFVEAYYPH
AEKYPLVNAAGYAASALSSAILTTDCRSSAYLPFPAAVWLADDREAFLAASLIAFFIPFL
GTVVNHTL FVRKRKSE
>comp5519_c0_seq2; 340 347 1042 LEN=1201; translated
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RPSNRGDDGGKDKDPLPWLKLPRLDFVEVAGQNELPPPDAANEMDEEERQRAYEELEGL
RLRLNRELENVRKRRAQDGETSTGDDIAEARRLQTKLEGLMKLYGIEYETD
>comp5520_c0_seq2; 304 73 1233 LEN=1961; translated
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LHEFSVHY SVSTSSWITRIVTFRGAAEENERRCLSFSFSKENEARKFGKAYSPPKMMVGS
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AAEFTKAEMDLLKERNNGQPEKDTYEDITPKTSASVSDVDYGDADDSRSVSTHSMAPSIL
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KEMKKYIGLAAHYSAQGILDEILGVVEIAAIGHFMGVPQANAYIIVGTVTGFTGTISTGF
YECTGVLIPOAHGARNLMI GRYMQLGIFFYMTMLPGAIFWCFFTDRAVMFYGFDEATA
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DLFILGAVETVSGIICLIVNLA ILVNRGWLDPYWEGLFKTNGLRDWRVAVKNVINTALPLS
VAWILTYGEWEIMTFYCRYMSDTGAEVAAWGLMGYLWSTFETLTDGFGDAAEVRVGFMRG
AGQVRLARLSTDKALYVSFIVAVYATGILFVMAKYIPGWMTDPDPTLQRMIFDI IPLIGFG
QVLMVWGMVAWAILGAQGRIRIATALEFFISWGIGAPIAAIFVFLFNYNIEGIIGALSIS
YTI STNVYLYMLHTSDWENLSAVVVARSAEKGTYDEFYWDEL PDNIQDAAAELGYNKWI
WESDDMEPVSDDKDDELTPAERKAASLLGYTRKTWDCEDNTE DRDDSSSSSESSDGESW
KNLSKEAQSAAKTLGYTQAIWDNDGSPPTEEKDWDELSPTEQAAAKTLGYSEKKWNADDD
DESDLSSDTPKPRKQTGNGNVLEQAFGSIRNACTFDSNSTC
>comp5526_c0_seq2; 288 102 607 LEN=860; translated
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SSDGE SWKNLSKEAQSAAKTLGYTQAIWDNDGSPPTEEKDWDELSPTEQAAAKTLGYSEK
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>comp5527_c0_seq1; 411 391 1467 LEN=1769; translated
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>comp5528_c0_seq1; 705 273 3087 LEN=3600; translated
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>comp5528_c0_seq2; 726 273 2903 LEN=3416; translated
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>comp5529_c0_seq1; 142 348 858 LEN=915; minus strand; translated
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>comp5534_c0_seq1; 739 244 2021 LEN=2486; translated
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>comp5534_c0_seq2; 767 244 1887 LEN=2352; translated
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VFGKEDLRKKDSANAGLLSIGLNEYNTNEVMVFDDKGSETNIVLNKGKENEARYSRTAHS
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YAI AKEAGMNP DQFCRIRNGCFDQQKEEPLFGPDKIGAPTSEPLRGLIASTKVSELLGVE
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>comp5535_c0_seq1; 580 374 2308 LEN=2695; translated
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GRILLHLVVRDVVSGEPIED IACGCYHPNARGIRTTPDFNRIEDCRD VWIAHRRRVLTR
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>comp5536_c0_seq1; 262 167 622 LEN=1301; translated
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>comp5537_c0_seq1; 563 1 2236 LEN=2450; translated
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DLPFGGYGLVGCNDTAALIDRAVRGSTNMYPLLSTGRYLMHITRFLMAFHDTIAGADEH
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>comp5537_c0_seq2; 634 1 2023 LEN=2237; translated
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>comp5538_c0_seq1; 880 335 2008 LEN=2700; translated
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>comp5538_c0_seq2; 413 335 1075 LEN=1101; translated
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EIVELDEVGKKIKSSQEEKKDESETTTIIVAVGSI SQQP IPMSQIQPTEKTKQVSNEESP
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NCWYVNW

>comp5539_c0_seq1; 634 69 1358 LEN=1389; translated
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YEQAKASYQHVKLEKDPKNA AATRGIELCAKEITKRMTLEEQKRQEEKREKKEEAKKAEAA
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WRNLN PYYVLQ LPAATSTDDDISRRYKALSLLLHPDKNRSTLSTEADRDRAQLAYDQVQK
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>comp5540_c0_seq1; 370 261 1304 LEN=1397; translated
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YPNLSGEHLDLVYTKIYDSLLEALDAIDTGVEMSTTELVYRD TTGLSSRVARLNPRWNEV
NENGEPEYDERFMKASNL CGEDFLAVMTKIVESDLPAREVVEKAVLARLETDP SGEIIC
FPTGGLPWKGHLYELEKLHKVEPLIKFVLYTDQGGMWRVQAVTVEGKAFENRSLSP EEW
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>comp5541_c0_seq1; 1402 234 5003 LEN=5187; translated
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SATEAGDASYGGRIGSSI SGGLNKTVNMNASVSGDESTIASRSIKSKGQSKGHGKAPVES
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QFIEEEKMEGELSEENKEFLTKGGKVHSHKHA AKVEERN TISLRMDQMATEISEAAKLRTI
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VTQKDSYKSSLEAQLAEAERHTVVADGEAVASRKEADRLAKANESYENSGFEDISAIIEG
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>comp5542_c0_seq1; 185 358 645 LEN=680; translated
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>comp5542_c0_seq2; 217 85 408 LEN=443; translated
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>comp5543_c0_seq1; 700 219 2789 LEN=3131; translated
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>comp5544_c0_seq1; 255 58 762 LEN=1461; translated
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>comp5545_c0_seq1; 305 187 1281 LEN=1363; translated
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>comp5546_c0_seq1; 215 155 988 LEN=1149; translated
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>comp5547_c0_seq1; 999 1 1980 LEN=2035; translated
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>comp5547_c0_seq2; 1424 72 3215 LEN=3270; translated
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>comp5549_c0_seq1; 300 60 1058 LEN=1248; translated
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DAIVLRHPLTGSVPKVVQATTKPVLNAGDGIGEHPTQALLDSFTIWDDELKEDPKVVVFLG
DLKHGRTVHSLAKLLSQLRPQSDLVLRFCSPSSLVPEYIIEYCKNNGVATELFENPTEA
CKGAQVLYVTRVQKERFETEEAYESVKGSYVIDKAFMELAPKNMIVLHPLPRVDEIATEV
DTPRAAYFRQMENGMVYRMALLALVMGKSSP
>comp5550_c0_seq1; 211 283 699 LEN=699; translated
MDTPVPTSEPTAFSSSDLTTELSSDDAPKAPKPTLTDVLEDVPLPNATPVAPPTVAPVPV
PIPVPTNPPVPPPTVVPVPIVVPVPTNAPIPLPVPTAAPVPLPVPTNAPIAVIPDTPPPAPQ
VLVDVEVTEPPTHTSSTFD
>comp5551_c0_seq1; 148 1 705 LEN=819; translated
XFLSSRVFQENELKNELKNDPIDPTEPANXTAGPTALPTPAPTCKPPTVAPSGVPSGEP
GEPTLPPSAAPSPAPTTPPTKAASKATPRPRPVAQVGHSGQQEPQQLVPAPRPVPGSP
TKAPIDQSIIPVMKPRPAGHATKNTSEGVATIPVMKPRPPRPAEVESGGSGPSKQGTQEE
PRPQQENEEEEEDGSSHPHQQLLNLELHRTTQISGLRRQPKIDERPGKALRLPAS
>comp5551_c0_seq2; 142 1 850 LEN=964; translated
XYFPNGDLVGEAECLCESFGQDMCDFVPEGWVPTPAPPVAPVVPTEFPTRTPTKEPT
PAPSVSPTQRPTGSPTQKPTAGPTALPTPAPTCKPPTVAPSGVPSGEPGEPPTLPPSAAP
PAPTTPPTKAASKATPRPRPVAQVGHSGQQEPQQLVPAPRPVPGSPTKAPIDQSIIPVM
KPRPAGHATKNTSEGVATIPVMKPRPPRPAEVESGGSGPSKQGTQEEPRPQQENEEEE
DGSSHPHQQLLNLELHRTTQISGLRRQPKIDERPGKALRLPAS
>comp5552_c0_seq1; 411 1 1236 LEN=1999; translated
KQIAMASTAFESDLDPNVEQDSNYGPTGNNSHNNHRGINGRNSKRRQSQNSDNLMLQR
NSTKLNGTNLEPQNYRYGNLEPQNSYGQSYSPFPTSIDDADPSSLFNSLTAGFCSTAAAA
SGSFFSSISSTDLENDPELTPGRGNSNNDNSNSNSNIEACPPHASLPLKIEINGKIVVVG
GGECPSHLNWKTGVVTDENGVRTLLTNQQLLESLRRERNRMHAKMTRDRKKSFIATVEKTI
EELESNKRMAAALTDVIHFQRSPPCSPAATTLVSFRNENDHHDHNDREHNHGNDNANHT
EPERNDSGSRNHGQNPVSVTPCGSRSPAPAAGERDRYTSVALSSVPSLIPAPPDSFVTF
VDGDRDGDGNHGDGDRNGNNGIVNNNTKLDSEQLPPPKRFCHGFSIAPY
>comp5552_c0_seq2; 375 1 1404 LEN=2167; translated
KQIAMASTAFESDLDPNVEQDSNYGPTGNNSHNNHRGINGRNSKRRQSQNSDNLMLQR
NSTKLNGTNLEPQNYRYGNLEPQNSYGQSYSPFPTSIDDADPSSLFNSLTAGFCSTAAAA
SGSFFSSISSTDLENDPELTPGRGNSNNDNSNSNSNIEACPPHASLPLKIEINGKIVVVG
GGECPSHLNWKTGVVTDENGVRTLLTNQQLLESLRYVFLCCTAFTSYCYFWKLGGLLLVS
CLVFLSSSSDHNHSLPFLSSMFDCLDVSXERNRMHAKMTRDRKKSFIATVEKTIIEELE
SSNKRMAAALTDVIHFQRSPPCSPAATTLVSFRNENDHHDHNDREHNHGNDNANHTEPER

NSDGSNRHGQNPPGSVTPCGSRSPAPAAGERDRYTSVALSSVPSLIPAPPDSFVTFVDGD
RDGDGNNHGDGRNGNNGIVNNTKLDSEQLPPPKRFCGFSIAPY
>comp5553_c0_seq1; 250 686 1385 LEN=1442; translated
MKLFYDSPTSVLGLNQVDELSKFFESARDLDES DPVAKHVAVLMAKKDAPPSKLVSSSLR
RAVTTVAGGFKDRLARRPQEKILILPSLQEI SRNPDTLSITPAQTQIQASWIDKGSKLCD
FQSTFMNQVDMSLHMGNKPVGTNGLKRMKFCDFVIFSSSVTEENVIVGGHSIWFRSFFRT
FLPFEENHVGKKKKVNCVIAFTLMKVVRESGRSTYMIDPKSVDVYGGFH
>comp5553_c0_seq2; 387 342 1272 LEN=1329; translated
MPYITFDPILEAEKEGTLVAEVVERKTIYFVRHGESTWNDTFNKGSHRSQAFAAIGFIPG
LIKSVFELYLILLGKMSWIFYDSPTSVLGLNQVDELSKFFESARDLDES DPVAKHVAVL
MAKKDAPPSKLVSSSLRAVTTVAGGFKDRLARRPQEKILILPSLQEI SRNPDTLSITPA
QTQIQASWIDKGSKLCDFQSTFMNQVDMSLHMGNKPVGTNGLKRMKFCDFVIFSSSVTEE
NVIVGGHSIWFRSFFRTFLPFEENHVGKKKKVNCVIAFTLMKVVRESGRSTYMIDPKS
VDVYGGFH
>comp5556_c0_seq1; 51 1069 1451 LEN=1451; minus strand; translated
MEVIKNIVFVENGKLVRTKLSVPEEERAGILEAGLEKIRENSIKIDEVLPGTTPTGVWHS
FEADRAAFATVASSGPCKIWLMPSEKFRAVISRPEFSMVMAAMANRIRVGSKSIRNLLLE
KVKDGASX
>comp5556_c0_seq2; 51 952 1334 LEN=1334; minus strand; translated
MEVIKNIVFVENGKLVRTKLSVPEEERAGILEAGLEKIRENSIKIDEVLPGTTPTGVWHS
FEADRAAFATVASSGPCKIWLMPSEKFRAVISRPEFSMVMAAMANRIRVGSKSIRNLLLE
KVKDGASX
>comp5557_c0_seq1; 260 1 343 LEN=448; translated
XQQQQQQRRARATYNDPSVEMKYQVALQESYTMKVEDLQQELNSRGISTQYCMVFKDFCV
EYAKAIAENRQKVVANDEVPGEGEGPGFFGDDEGDYDPTYRDVVMQKYDPSMWI
>comp5557_c0_seq2; 260 1 343 LEN=451; translated
XQQQQQQRRARATYNDPSVEMKYQVALQESYTMKVEDLQQELNSRGISTQYCMVFKDFCV
EYAKAIAENRQKVVANDEVPGEGEGPGFFGDDEGDYDPTYRDVVMQKYDPSMWI
>comp5558_c0_seq1; 1051 1 3289 LEN=3289; translated
XDNANIGEYSGSKEQEGDGNPSDKGNQPGDEIKENTEEDVEEKTDRMTSKVEANMRDKAS
IRDDDSGKERKGDGSDSTSNKSDQPVEITGVTEEGVEEKPDRMTSKMEASTQDDASVVDN
DSGIEREGDGNLAERSNKPRDDIKEKSI PCQKDSDEILDAVPEPKVTRTRSGRVVVKPVRRL
IDGCETSIGGENQYGRAHSVDFEIDETEDHALDDSSKTVTQAASSTDVQETTNLQLSNTE
ASLESDRTTDEVTTQTKPNEKFSPPSMDDEKEEPSNGTTDNSWTEMKPIGDDEEVI INSSI
MNGSTKMSPMFGLSEDALYQNEEVHTLGDGDGDGDEENSTNNAVATILNVTSDHRPFVQR
FDRHALKDKKSFVKFVATRLTGFDIEVKEKSNKHDLDFPSSDYPI PDSVFEKRIPPIIES
STSSSVSSPPEIDMALHIEEREDGSCKNDDENDLVPLFDLIPSKCEISRESCVGEESRKL
ESNLSEESQRRKRLKQSGISQNGSLSSFSTHQRSSKSMFSNKRSSRRLRRQSSRLTL
SLSNTQHTKSPYMPVENRSLVDDKVQIEAQQGDPAVQLVGDWTDIEANFSPVPDTEEMT
EAQERSVI FHETLAAFSSLENIDFLRDLPLSRSEEVKPTSSLMWRQLIANWKHSESCA
MLARPSSIQLSKLTKDVGFFGVDDDFSSSMSTIQFQLDSGNVFFSNDFVSSRAYSLLRFT
NADNYCEADEGFLVLRTRYLCDIGPGTSSSEKKKSTAEELQHLSKLTLENNEHGCTIG
ITEILREAKAQLPNLDKI INCVVNYASQNDPSSIDLECYDITSSSGVKDYTSIRRKARRK
YSGDVLQVKDVLRGEITFPDEASLICGLHCLQSMNGRNKTVPPFQIVRLKLNLFRTTSV GK
EIYTALPTGYRHILINLKLECLII ELQFQIAQLFDIMGEEGYQLHHDIMSSETDMKESF
ASSTSGQSTTKIPTEENPEATSTHFVRSILTNPDLAIISRQMGKMKMNHCRIDASNSPV
ISSTNHSVNSESVGGIGALAAQAALRKSQKHKDIKSCLPKLPVGGIAAIAAEAALKKSQKQ
ESEHGAQKPPVVGIAAL
>comp5559_c0_seq1; 705 1 2799 LEN=3012; translated
LLSRHSHLLTPVAEALLSAIFPFRWVGLYIPVAPLKMMDILDAPIPYFIFGLSSDYFKAVD
VADRPADAI FVDLDLDTIHIGRNPLPRMPEPDAQKLAASLEEAGGSVYVIPNSGIKGCIM
AGSDKDLLVPNEQPRYAHMTTMTGLGADAFVREALFAASELAYGGGEADRTASGGGSSS
NRGNRTGDGSDGKKKPRPLFRASPGKRPPVASPIKPRFAKNKKADIILSRSHYAMNQGN
LLDMAEPEGFSVAGIRGAFLRFVATFAHYQDSLLENSGRRLFDEEKFVGDVASKGRPMA
FLRNVLKTQLFQRFLEERRENPNLPEIRFFDESIAAKRNRSKKASLAMKKGQPTPFLDDK
TSWKIREVYASPPNNFGIPDTEATYRYETFPVLDKTRFGRIRPPPQHTNLDSVRY
KKSCLKRRKKQSELVTRAMKPVLAAPKAVAARRTAKDLESTLVALSMDPTGSEAKETIGR
GAERKTKRTPSRGRVKTLSADTIMMDARRKQAILLDVIVAFQALCRGYLVRRYHHEGVE
WEQDESLDRKLAYRHYHVRKTRATMIQSVVRMFVVXEESRAHDSGNRSFSKPPASPERTA
EVRSDQMQRDRGCQMRSGKANESDLPRTEADDCTRSEPESEGRAGSVENEDRDEGMDAYA

NQIFVLWARLHVSLFFRTRLWPEISGCRFTVGLRVAESELLRLWDIAGVSNRSNGHSRTN
TKLLFRSAVGFNDTCPRYKECTNKILGDKSIASKFDNARRMEETERLQIHERLGSSVSG
DDLAELYSGFGIQPKKKLKKVALSRKLWTDLPLANLSASSMHRIFPELHNSLGVRFVVP
SKGRRFRNAPKASVPLVDHALWEEISTQGRTRKRCVQEVGMLFINKVSPMPKKVDSNTNT
FEIHSFLRATMEVNGFESIEEARRSVITQYLG

>comp5560_c0_seq1; 336 176 907 LEN=1228; translated
MLITIHFYFDSGNICRDPPTGERVLTNPCKTFTQSNGLTVSCGEVQEWVQDVRLSGGSL
EETRYCELTQYLAWKHCDGDPDIPSPNDVVDLNPVCNLCGNPDFDFEFVQPKNKLT
DTGCCGRYNCEILYYGASQGVLSANLCSVIKEKSGPDCCNLDIEAPPVNENNDNEQNDE
QNNEVDNENENEDYNNIEVEEENEQSDDEDPEEDNNEIEDNNDQIDCQDDPSFRFKGRESK
NCDW

>comp5560_c0_seq2; 302 145 954 LEN=1275; translated
MLFYGHPNCWLLGCVYLIIYFRQVYHCEGTPLEGNDYACNICRDPPTGERVLTNPCKTFT
QSNGLTVSCGEVQEWVQDVRLSGGSLLEETRYCELTQYLAWKHCDGDPDIPSPNDVVDL
NPVCNLCGNPDFDFEFVQPKNKLTDTGCCGRYNCEILYYGASQGVLSANLCSVIKEK
SGPDCCNLDIEAPPVNENNDNEQNDEQNNEVDNENENEDYNNIEVEEENEQSDDEDPEEDN
NEIEDNNDQIDCQDDPSFRFKGRESKNCDW

>comp5562_c0_seq1; 178 509 1552 LEN=2005; translated
MGITSAFKGLRRSRYAIANSPGILTPSRHASKSMRAASSGSSASSTSVVPLPTREQLSI
LAIRSAIPMVGFIMDNVVMITAGGAIDSTIGVSLGISTMAAAGLGQCCSDVAGITSGGI
VDAAVSRLNLRHHGLSPQQDLTRVARVCGTIGACVGVVTGCLLGMTVLFVCMDDKADRAR
RAKELKSIFESVMNDGHKLVAERATLFLIDEDSNELWSQVATGMEGENIIKVPSTKGCV
GTSVTNNIVCNVDPAYASEDFNKEIDVSTGYRTVSILVVPVIRSESGKVLGAIQMINKKQQ
PQEGFDGDIADNSNDATIIPFSENDEKVVSVLASHVASFIRVVESE

>comp5562_c0_seq2; 211 1169 1702 LEN=2155; translated
MDTDKADRARRAKELKSIFESVMNDGHKLVAERATLFLIDEDSNELWSQVATGMEGENI
IKVPSTKGCVGTSTVNNIVCNVDPAYASEDFNKEIDVSTGYRTVSILVVPVIRSESGKVLG
AIQMINKKQQPQEGFDGDIADNSNDATIIPFSENDEKVVSVLASHVASFIRVVESE

>comp5563_c0_seq1; 220 1 805 LEN=1087; translated
XPISAFSRTLFCMEQFSFLVERGETETTEKQHRERQSEPRNYKSKKQAMITPVSPSSRI
FLAVPILLVLMHGTSIHAVCPQEYNADRSSHHTSRMVEEDDSGNWGELLKSCPLKIALF
APCIDTESDLSECTVCVTDFVANSGLTSSGTGDDNNSNTNTTSTECDKVQTEVCSAVSV
CSEKCGLSATEGNGKIASFFQFGSDCDTLFTDLLACSLEAEDLIPTCESLDTCGSVVDS
SSSASSFFLSRAVAATLIMVAPGVASLL

>comp5564_c0_seq1; 570 341 3255 LEN=3455; translated
MEIRHRKNARASRISNPVAMGALFVAVCCLLGFNAVIRGNTGDTAAVSRKSSVVASAPNG
DINNNNNNENTSNRNTQTIGNNSNNVVYSRFGVTVFYPIYNYAKDKDGEAPPASPVE
KLEEDLRHSPSVTVVGLDTHPPSFLESCGTGHGIAVVDAAGGEQTTGAVSERFRQLRA
SRQPHLAMELLKYCALDHYQGGLYVDHSHLLTSTVENLLSRVEAGGNGNLAVLNDPKISP
ESIHGALLYIADDSKXFGAEETEQQPIDLRRRGHDPLAAVDRRVGPGILPALFAQVALRP
GGKRRRRTVREPDDRGEHPLVFAAAHLQPI CAGTEAAHGTDFSLRAEQPPVSRARS
DGAHR IAVSCRVPVCGMVWHGMAWYGGWKIRFGFVLAWACAIRLRFVVGRAALDGPKA
RLPGRNSLFLCAXD GALPPLPTGRDLTFLPPLSWSFSYVKTFFPFLFLNDRATISGDNRCS
RRLTQNCPEPNGFCCSIYDSITHIPTMMTKHLLLPYQVLPPTSDLPQPLNADKGEFDEAD
LPYISTISERVHARPEGHALLTPNF FETLLQSDCLPSDKKSDCLRNKQGSNCKTCAHAC
PCYCKALCHVPVEEKFVSKSLVISPIIYAKEPSRLVPRIVHQTYETVTSEKYPNMSRLI
ESFKQSGWEYKFYTDMSLNFLSTHFPPEVREAYETLRPGAFKADLFRYCVLLIHGGVYA
DMDIMLETNLDLAIGPDIGFMI PHDEPGTPVNRMLWNGF IAAAPGHPFLAKTIE TVVN
NIRNRFTGVDTDAMFCPNPEMSMLHSFDTLFTAGPCILGAMVNKVLGRHGQTSFEAGEID
LWERSKQDALQNGTKFVIGVDDKPSKIPGRTIILSQNKWDMGSHRFTFIEKNLVVAATD
LPGADDRANQETTKHEYSKTHVKAGIYGLDRLYTDNVRANENLRFYVDAQWSRYVQRGTR
DPGGTASGSKT

>comp5564_c0_seq2; 612 341 2872 LEN=3072; translated
MEIRHRKNARASRISNPVAMGALFVAVCCLLGFNAVIRGNTGDTAAVSRKSSVVASAPNG
DINNNNNNENTSNRNTQTIGNNSNNVVYSRFGVTVFYPIYNYAKDKDGEAPPASPVE
KLEEDLRHSPSVTVVGLDTHPPSFLESCGTGHGIAVVDAAGGEQTTGAVSERFRQLRA
SRQPHLAMELLKYCALDHYQGGLYVDHSHLLTSTVENLLSRVEAGGNGNLAVLNDPKISP
ESIHGALLYIADDSKGSARKKQNKQASTSVVGMIRLLLLSTDVSVLVSSPLFLPKSLYGL
VAKDEGVGELSASRETTAGKTHWYLLQHTCSL FALGQRPLTAPISPYALNSHRLTQNC
PEPNGFCCSIYDSITHIPTMMTKHLLLPYQVLPPTSDLPQPLNADKGEFDEADLPYISTIS

ERVHARPEGHALLTPNFFETLLQSDCLPSDKKCSCLRNKQGSNCKTCAHACPCYCKALC
HVPVEEKFVSKSLVISPPYAKEPSRLVPRIVHQTYEYETVTSEKYPNMSRLIESFKQSGW
EYKFYTDMSLNFSLSTHFPPEVREAYETLRPGAFKADLFRYCVLLIHGGVYADMIMLET
NLDLAIGPDIGFMIPHDEPGTPVNRMLCWNFGIAAAGHPFLAKTIIETVNNIRNRFTG
VDTDAMFCPNPEMSMLHSFDTLFTAGPCILGAMVNVKVLGRHGQTSFEAGEIDLWERSKQD
ALQNGTKFVIGVDDKPSKKIPGRTIILSQNKWDMGSHRFTFIEKNLVVAATDLPGADDRA
NQETTKEHYSKTHVKAGIYGLDRLYTDNVRANENLRFYVDAQWSRYVQRGTRDPGGTASG
SKT

>comp5565_c0_seq1; 817 284 2359 LEN=2421; translated
MKWTFNSVMLSTILFSTARHALAFVPGVQRAASRQMATAGSSFASRYSMRSPSTPARLM
ATVAPEKQAAEDKDTDFDELPTNDNDNLLRIRHSSAHVMAMAVQKLFPEAQVTIGPWI
DNGFYDFFFFPEPIDPETGETIEARKLNDQDLKKIKKQMDKIIQKDYPIITKEEVTREEAE
RRIKELNEPFKLEILEGLQEPITIIYHIGDEWDLACAGPHVESTKQIPKKALALQSVAGAY
WRGDNREMLQRIYATAWKDPTQLKQYKMMEEAKKRDHRMLGKKLDLFSIQEDAGGLV
FWHPKGSKVRKIIEDFWKTAHEEDGYDIIYTPHIANLDLWKTSGHFDYGEDMFDQMDVE
NEQYQIKPMNCPFHCLMYADELRSYRDLPIRWGELGTVYRYERSGTLHGLFRVRGFTQDD
AHVFCLEPQLEDEIVKVCDLIETILTKFGFDKYEIMLSTRPEKAVGSDEIWDAATIALRG
ALEKKGWDYGIDEGGAFYGPKIDLKIRDAIGRQWQCSTVQCDFNLPERFGLYEYTSKEGT
KERPIMVHRAIFGSLERFFGILTENCAGDFPFWIAPVQLKLLPVTDSDVQDYCHEIAAKAK
KAGIRVEVDRGTERLAKQIRNAEQQRVPIMAVVGNKEVETNKLAIRSRLKGLDLSFVDE
LLEELTTCVENTVEMTKMGEVEEKEEPASKK

>comp5566_c0_seq1; 235 269 716 LEN=716; translated
MTSDMPIAHSSSMSSTISANNGAQQQAEDAVIDGNAEPHDGTALTDSTNASNNERPEPTT
APGLPKPVAIRAESRDTSMCSRNSRDSLRSSVSMRSTFTLELERLFLEQLTVEGTDAQVE
AALRTVEDEELFFADTPVIGNNNSSSSSSSX

>comp5567_c0_seq1; 250 368 1672 LEN=1884; translated
MNFSAAEFNELNASAFPYSERSLEQFRMEVSDDEISKADAITEAAVSFTAAENSSSFTNI
VGMDAQHEPHRITPQSSLVYREASSSSRTTTATENNLNKNLPLLPPIAGSTGDRQTPLT
IEKRNSRALNSLVGLVDEYAVNSTARTYIGCQVVRTPRVRDAGLDLDESPGHYFNACRDGN
PTAGTYSSTDREKGIHKNQELMVNLIHPNFGPLDRERNQCHDRPTSSSNSITITYGITDC
NKKVTRRRRESHKTKSDADKSSNISNTHSKQNDFITTHSKKNKTRKTSPTRNSNTNTS
TMFSKVGECLEPRQRSRAIAINRSQPVGYNRSEGOANASEKVGCDAEYDYATWRMYNRII
DHRRKNLLRYPQAQPEGQPSAKEAATNQTVDES AVIHHPSPVIGGQYFLHQSOLPYPA
DEYQEEEDIFDFEL

>comp5568_c0_seq1; 91 141 452 LEN=452; minus strand; translated
MPAARWSRIVNGAYSTAQNNSTALPHSFRACGRSPPVVGSPVFAAEHGGPRGTRERPE
AAAAAAAAAASREKGPLHHQARQRELSLRRFRPRKGRRIAIAI

>comp5568_c1_seq1; -16 1 657 LEN=657; translated
QRATAFESSTKQPRGSARATQHRTSTQRDKTTIMKEHRTKLRPSQRQTHKLQRIEIMDET
AIPSIWNTPPSHGHGSGNTARGSGRKGRTGEQEXRKSPPTEGPRPWPVPRRLGPEARP
RKVQGRTPKTESATGAATPKPPPRTVSGHGQRGPARPGSSTGTEGHRTGLLAPTQGPAL
AEAAGTPQAGAGRGRVSPLAEALLFFVLGARRRWRWRWX

>comp5571_c0_seq1; 286 309 734 LEN=1039; translated
MNELTEENDKSLKEENKKNYDKIQTALVTETAFFSALIFSLWLASDNPFAPLSFLFGSI
FGTMYTYGLGKYVSTVGGSIDDAGAVEGAGVQARFAFLIVLFIIFLGKFRPYGLQEIPSI
MGFFTYQLASLSQGLKEEKID

>comp5572_c0_seq1; 203 248 655 LEN=1915; translated
MTSSKDDATTSSGNAAKSNTRRIQALEAKAVAEATAEADAKYIPSVALMNSSDPLALVRQ
VDGLSDLSEYEEKESVYVGRSVPISAGGSLEIPIQVAMPGSVVEYAVENKQYDFGFSITA
ERDNSVTIVKVSSPV

>comp5572_c0_seq2; 308 248 1108 LEN=1587; translated
MTSSKDDATTSSGNAAKSNTRRIQALEAKAVAEATAEADAKYIPSVALMNSSDPLALVRQ
VDGLSDLSEYEEKESVYVGRSVPISAGGSLEIPIQVAMPGSVVEYAVENKQYDFGFSITA
ERDNSVTIVKESSRDASVNGPITGKFLVGSVPCWVRFKFNDFSWMREKVISYKVTVKP
PSLETLYSGRRRRRAKACLKAI EEDLTAADKRRKAAGDQLTLETELEELRREVTQKAKSL
QAARDEEKWCMDRVALRTEQKKLLDSRLQDGWEDEENAAGDESDEE

>comp5574_c0_seq1; 187 204 794 LEN=901; translated
MERFSEMRRFLFPYRAIVSRNPTFHDTWHRNQAYQFRFKVTTSRAKSMLGFSTDSKPTVI
ELRQAYYEAACLCHPDVKEDDHKLDLFRFKDAYEHLIKGGHVTDHISDEISLDEEKEYRR
ACMDVLGLKAEIVEESKQNPMLHWLSGKTDGAQYWRNFFTAHGGLAQKLRPPAGYLASN

AKHVAKASESRRRRR

>comp5575_c0_seq1; 361 183 1518 LEN=1777; translated
MFRDNFNFNRIVLRAGIASFLLLVSVSASPEGPPAKGVPLDREHLPKQDAPTKFIGVNA
TGDPVYMPLLGAGTWQYDDDEAYESLCKAFGAGYTFVDTAYGYKNQKGVGRAIRDCWKGN
REDLFVLTKIPGGNTEQNRARFRPNKSRFGAKPTGPGLRRDPPVRGLFSRTGSAHAVLLL
YRSHGTNAFGRDHTYRAVPNATRCNATQHNAGGRNASEVQRLHETNLEELGLDYVDHLMT
HFPADWEETIVGAEARQEEWLALETIYHTGEAQTIGISHYCSRHILDVLRVATVTPALNQ
VEYHVSGDVGDMETCSDFGITFMSFSPLCGPCSYEPEDSLVNGDLVQEVAGAYQHGNA
TTPGAGKPVVGSQVALRYIVQQGIPVVPKSNTMAHVLSNREIFDFELSEAHMERLGRARA
PSAEAGDCGVEAPALASASALATA

>comp5575_c0_seq2; 387 183 1277 LEN=1536; translated
MFRDNFNFNRIVLRAGIASFLLLVSVSASPEGPPAKGVPLDREHLPKQDAPTKFIGVNA
TGDPVYMPLLGAGTWQYDDDEAYESLCKAFGAGYTFVDTAYGYKNQKGVGRAIRDCWKGN
REDLFVLTKIPGGNASEVQRLHETNLEELGLDYVDHLMTHFPADWEETIVGAEARQEEW
LALETIYHTGEAQTIGISHYCSRHILDVLRVATVTPALNQVEYHVSGDVGDMETCSDF
GITFMSFSPLCGPCSYEPEDSLVNGDLVQEVAGAYQHGNATTTPGAGKPVVGSQVALRYIV
QQGIPVVPKSNTMAHVLSNREIFDFELSEAHMERLGRARAPSAEAGDCGVEAPALASASA
LATA

>comp5576_c0_seq1; 532 82 1161 LEN=1278; translated
MTTILFVSLFVWPVNAFLPPSSITSSQSAPLRLIRGNCPVATIGAVKIDANSMTSTA
LAANRDGKSDKKKPSKAQGVYVRPSGAIEQSGFFVPGLEGPKVRLVIGLVLLAATGINH
FVLGTYTGEEGISFSEGTAVIVSVLLLFQFAIEYAKEAFLPPPQSSVSSSSATRKKIQDS
LSAVAAAASEVLEQKWSGILALDDGQEEKYRSRVQWAAAASYLAMPTTQIMLLASSGEDNR
GDIRYRLGGKEANQADDGTTIDFGVKAALDELGRSGKGGRIALPLNHPAVEALLPMAASLPA
DSESTADGEDLRPLRTVILQRIADDSCWMASSDQLLAGYTSGLDKWLGQMAEYVGDHRH

>comp5577_c0_seq1; 854 338 1915 LEN=2135; translated
MAAKATTARKRRSTGRFAVGLLLLLLLLLLVPGETAAASRRASGTKKKSHDKKQFASDNYY
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IYDRYGNGLDAYEKQDPASAGFGGFGGSGGGGGFNGFGGFGQGGGFRQSSGGGFGG
GFGGFSGGFGRGGNHGGGGFDPFMSFEEMFSGQAGGGGGFGGGFGGRRGGKGNRDRPPA
LFPKGQSHVARLGSPPKFPDQDSKHMVMVLFYANSNQASRAVSEKYEHLASQTNLPYKVG
VDCKLSPKEEKFCAEKIEPGHDLPSFGMVVDGELLRYEDFDSRSPSSKALHEFCMDHM
PKRYVRNINNVPIKERLLAPEEETASSSWFQYSSSSKPKAKPPRLPAVLLLTDKYETS
SMFYGLAYYFRDRDFVFGESRAKNLKLSQTFQVKKYPTLVAFVSPVSGSLVGKTVPYDDN
YHTIRYTGPPKKEKITAWLTKLNTVVRESKHKDSNTGRRSGRTEF

>comp5578_c0_seq1; 683 1 2889 LEN=3062; translated
XGDIDLHKDRPRGEPQGLEELKGGKNRGDRARMIGQSRRRIFNGRAVPGQNFHGTMG
NXDESEAANKNRQREPLDQDSACALRRVCGSKRNVVSLAQRRSAQEIRKSKSRLGFSEVA
FDDERRVFEPEDEMEAKNENKATVKKRGSIALFFFFPDNLFEVDGITPMDLTYPPFPATNQ
VIGDDICGSENERENGYNSRDRIIITGIFSHPVAAELALTLAERCVRHILGMSDHLDDA
EESRDLDFLMRHIPSLQLRVRGSLGDRATEDLFRDYSPSHIFYFQSDSFKTPDEDDNDN
EATDFKTHSGTNLQOICNAMVKLQCSNTTDANGVKTNLLYVTSTVSEMNDLDNGNRLSV
ATISTFNQITLDAYRMQYQLNVRQLALPNIFGPFKEGAAWLLSEKSIQARNEENLRKTQ
WYPYSSSNPNPMSQPTISIIDAVQSILVSGRLVHVHGEKSVPILEAARSQTATFVELSK
ALVPLSTKSIQTDKKNVIEALLPILSWNYKRYKPHQDPSNFDVSPVENDKIATLGLIN
TRQNLMDNTMDSAAVSQLERRQHDIFPCIATCTSYVTCKKSAWDTKVNVTQATKGCFT
LLYTADFSSALESLPEMRESVNDAPWPRDSFCQVAFVSSRSTIVNNALAENDRSTIVKND
LEDDDESKISSRESIDEWNGKVSNNGWKLIWIDADEESISQMSIMPKIVPETLLDQSVQ
FVYVVEPQHFEILPPLQLMWFMLMGRQLTAAARTKKRDSGTNEEWLIPEQHIAIFHTYRN
SDIEHLDDQKADYMAKAAQFILDQSGKTNLSKGEDQVPLKNRRQVQAYAKSLLRSEEDV
KFELIDTPLLIIPIHNRLGRQLRCEWYEEHLFWSTDDNINLEGLSLSYVLYRWRHQKRL
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EDV

>comp5579_c0_seq1; 520 389 1270 LEN=1554; translated
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EEDNTSVNDEGKGNKNEPQNTDQACRAETPEDVEKENHRVESQYQLRQSVNILLEQVI
EMKILFNLDQTNHVRNKNHDKISANIQKKIEQGEYDADRLEHLMGAISSYANMNSRKS
YVTKKKKKRKRTRNKHKQRKPTASVQTTQSLHILHDSLLALEEKFAREDQPRH

>comp5580_c0_seq1; 540 1 2406 LEN=3091; translated

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GIASSPLVRARLPLFDRRSETPRTLDDPKRASITPGTDKGGRCSTGSSNSNSYSNRNSNK
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PSAAPKAGAEVSPAAAPCVATPSTVHNPTSSRRACRTPPSPPGLAGLPGNNGTSPSRGP
PGEERERPGDGLGQILRAKDDDEEEERESPAPPVVVGKAWAPPKTLRLPQASVATSMAAS
VLLSFMVTTASPPESSSSSPSPGPPQVRVLPWKRQHPATSAANTVLGYDADDDASACTVLF
GPATKRRRKTAPRRI SNFLEQNEDDPATTDGTGDPGRRIAAEPLCEIRSGNHGNARSTFK
SGKRRKSRTVSIPTFEEETAIVSKAIEWPPLLAGSCAAPSSPGDYGPVGSTLASPGRSNK
ANTPAVSPSSAFKRI PRRYLDDPTLPILRDGMRLSAPDDKDHLNSLHCFVRKELLEVFVL
DDTIQLKAEEDSEVLSADKNSIPKRTIGRPRKSRQREQRQRYQQIHRVGI RCVHCGRKP
SERGGVTMSTFFPKSLEDVYRGVCTWQRIHFKACRHMPDHFVLYKHHKSDSKSRGKKAH
WIRTALEMGRNVDEHRSGVVWTGKR PADATNLSMVRTHGKNDPLPRLRSPVAVALDLTR
PSPERYQSDAPGHSGEHHSV

>comp5581_c0_seq1; 484 205 1326 LEN=1808; translated
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PHPTDPKVYAMLSSQAQYELVESDTHVISAYISALRSIKKEVLRLLIAIGLGMNDDVDFFA
KLHDEDNDDLRIITYFPTFSETTGNRCKEHSYGTITLLSTDGVSGLELLSSKEEGEAKW
LPVPYIEGALVVNVGSLLAGWTNGALKATLHRVAGPASLNSGSDRRVLI EATKHSRTSIA
FFADPNANVRESLETNENNQNFKGALGGMSVADYIRWRS GGNGFERSGVSF TPEERKIIA
KGETAASVENCNR

>comp5582_c0_seq1; 229 379 2079 LEN=2097; translated
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LTETEQEPSISSPENPSLPRGVILLEGGKQTRYDTHHEPVFRQESYFHWAFGVPEADT
YGAISLPSGDATIFIPQYGLDYEIYCGSSPDLEQTRSKYGVENVLPIDQLDEFIASELAP
SDDGGDDARLFLLSGRNTDSGNYAIPAHYKGI AKHDERNTESLFPCMVESRVFKTKAEI
ELMRYTNWVSSMAHVEVMRSCRVMMEYQLES LFQHFTYTHGGCRHMSYTCICACGPNPS
ILHYGHAGRPNDRDLVDGDIALLDMGAEYHCYASDITCSFPVNGKFSADQLMVYNAVLSA
QIDVITAMRPGVSWTDMHRAAERAILEGLKEGGLLKGD TDAMIDADLGAIFMPHGLGHLI
GLDTHDVGGYTEGIAPPRSDRPLGNLRTARNLEAGMVVTVPEPGCYFIDILLNFALANPA
QSRFLNADR VNEFRGSGGVRLEDDVVVTE DGCENLTVCPRAAEEVLDVMAGGVWPPEKDV
LPELRRNWVRNERGTLVRFELPSATN

>comp5584_c0_seq1; 471 1 1413 LEN=1869; translated
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DPVDHARKVVVLDYSDGCTVHHKRDEIRGNNT ELAYFKRSFVFKDDFNVFLENCTELDSG
ILPYSYSGSRVMMV PND SNIATTKHRAELFSRIGTMYNYHPPSDWNSTRVTTSTTKP
VDQGYFRDERYDNFLV PFAERRWTLTNV LVLNDEYHSHNIVR TKIIGWTHEFCRAKAHHP
GHDPNGTDVVVDGANNANGTSDALEFLDSSSEDPTFAAYVGLVRRGCDGHCFCGQNYLRHL
RDAKIIVTCNPSGYEGDFRLWESFLSGAMVMVDEMLIPD WMPNPLVHGVHFVTYEANNRT
DFLTKLAYYSHPDHLHEAEAIAKNGYRFVLEHHMATNRVEYILDNIHRTD

>comp5585_c0_seq1; 244 1 1392 LEN=1533; translated
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VTGASRGIGRGIALELGSAGYTVYCLGRSSREAEPTGVGYQRPVAKGLDLTVE SAAEAVT
ERGGRGIPVPCDLGRDGAIEDV LASRVDENEGGRLDV LVC SAYATPPTGIRGDFWEQDLE
MWD CVNGLGLRQVYAACRAAAPRMIQTARNNGG GASSPPLVCLVSSFGGKSYTFNVAYG
VGKAAIDRLAVDMGYQLAKHGVATTALYPGLVRTEANLQMEADGTWDEQSGGLDLSMGET
PSFSGKALVELAALPREAMMERSGSVEVVAELASEFGFCEADGSRPFSIRSLGYLLPNFV
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>comp5586_c0_seq1; 759 305 2320 LEN=2601; translated
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NVTEIEAGEDGVLLLEGEDFGIPQDQVRGDVLAVLIGMQENDGCSILNKTESANEMALKA
SEAKKNGDLLSALEYHTKAATLYKDI AKVIRDRNPPLASSLLLLSQTQAKSAIALKGI VK
LNPAELRQILSPSSRDSGDNVPVAAA SHKERLRAAVRGALSSHPHEADLSDS QFLGSAEN
ETTGLLATTKNRLTSVLNDSK GARKKKNDDIRNDHEGTL LVAEEQNI SNPIDVMMELE RE
LRDIDMAPELGNSISSLDTRMQNRMKGSMMGDG SFMVVPPGSSSYMASSMWGTPNNPRQI
ANNQQGTAGVRARANRVQAPASRPVHHP SQIGAAPVPSNKYAQGLESSWGWNTNTASQIL

TSSVMSLGVRGIEGGPINEISSGQSTQNTKQIMRLMDSLKTLGDENAALLREVEELQAAR
AEAKAARETMKRFKSEYQORFNSLKKALEKFRQENPTGKNGSGPVNTSEFMKNASVSDQ
LQRKDQLIEKLTRDLKKEKEESKKSLSVLRKYESFYRDIKARSAQKAAQRQTQQQRQNSK
QTRTATSRVQR
>comp5586_c0_seq2; 333 305 868 LEN=1159; translated
MELPFAVESPDVGTEDNGARNNSLQQSESDSLVTASSQGSFIHSTENNLHIIPDHCGLI
PNTPQEILLPSHHHAQSQQHQQQHQHQQQQLVVIIPGASEEHTGGMADGGYGDPEYDFTYV
NVTEIEAGEDGVLLLEGEDFGIPQDQVRGDVLAFLVIGGMQENDGCSILNKTESANEMALKA
SEAKKNG
>comp5586_c0_seq3; 384 305 955 LEN=1087; translated
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PNTPQEILLPSHHHAQSQQHQQQHQHQQQQLVVIIPGASEEHTGGMADGGYGDPEYDFTYV
NVTEIEAGEDGVLLLEGEDFGIPQDQVRGDVLAFLVIGGMQENDGCSILNKTESANEMALKA
SEAKKNGDLLSALEYHTKAATLYKDIKAVIRDRNRE
>comp5587_c0_seq1; 289 99 809 LEN=1509; translated
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SKTSVANKHRGLPPEANFKESIVLGCVSSSTTDSQSDIERNIQKCLDYLRKNFFFTPTGYH
LAYRNCNHFSSETLATALVVPAAADLLRNRAKSYPGYINRLARTSRMVLDESADKTEGTTG
PCDVMKEAKASMGVNNENLSSKSKKAVSAGEKEKQRKQKELTEAQKKILAKIKSPKK
>comp5589_c0_seq1; 402 66 755 LEN=1825; translated
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SGTFKLPVPRPNLKCCLVGNAAHCEQADRIGVDHMSVEDLKKLNKNKLVKKLAKRYDF
FMASDNMIKQIPRLGPGTLKAGKFPPTLISGGDDMQEKINEVKATIKFQMKKVMCLNVAV
GNVSMDAKQIIVNTQLSANFLASLLKKQWQNIQVYIKSTMGPAPIQIYF
>comp5590_c0_seq1; 267 130 1251 LEN=1364; translated
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SESLEDKFGDYPLASFIAGLTFTFFLLLEEYHLQMKDNELEFAQIHGPRISDSEQANQQ
RPHERSLISHDTPGNNGCCIIASENDCAAYLTSSTRSDAERNEECRTIPKKKIDIHRR
STSGTNSVLDSDMRDYSFSYQHPVHYHESHVNHAKGSLSSVLLLTALSFHSLFEALAI
VATDTASITSTTSAVLAHKAFAGYALGSAMVASHMRELHVLVLSFVFLGCSIAGVFLGIF
LLPAIDADNSVTVIGIIQAMVSGTFLYVSIVEIAMKELMTHREGKSDLPIQTWQIRKLLG
FLVGYLMMSVLAIW
>comp5591_c0_seq1; 282 169 1086 LEN=1329; translated
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SSIGSEKSLWVLLNEIGNNFKAMAQRATVKGSESDSQQSKKIVYATKACVYYTLFILYRAY
RGFFVLLPATFLQVYRKMEGAMNSGNLSLEQVGFTEGQDPANKTTTWRKLTVLSILTTV
ITASYIIGGTLKMATRFLRTIAKTSVSKSFEAAADEALDFETRISVGVKVVGGEDAGSP
SGLAP
>comp5592_c0_seq1; 130 1 290 LEN=526; translated
XNVPDFETIKTTNFIGIEILSLANTNGFSAQGISSTKEGSGGTQEAGENREQKQENHGTE
SKFDRLSPHFVRVIHGCHRATGICAAQRTETPRRFL
>comp5592_c0_seq2; 130 1 290 LEN=801; translated
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SKFDRLSPHFVRVIHGCHRATGICAAQRTETPRRFL
>comp5593_c0_seq1; 282 54 1160 LEN=1478; translated
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MRVNGQVRAHYLERNLKTSRSGNSTCQDILVVPGFATAEATFMAQLIPAMNLSPETRV
CIMEFPLHGKNVENFDGKTFPKPQQTVDYALAFVEAVGLGKTSETKIPLNLFYSGMGAI
CFQMLAQKSPGTYSRAVLLAPALENTMDDDFNALSTKDPKRVHGWETLPECKEFFTTTSAG
GFYPTKLPYVVLAVHRQRELTYPHRSFFFTNFFRRLHGGGFLEPDEAKQKLLRAHRK
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IAAEFLFG
>comp5594_c0_seq1; 144 266 1192 LEN=1415; translated
MAANLCDYRILKSEFLGEVEVSRTYTGSGNETVTTVHSIRHHIHNRMNLSQQGAPVLVL
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LTRFHLYGQSFGGILAFEYMKRVAERGSDDAPRCLSAISSAPSDVDQMDANWDARVASL
LEEDPNSSTVMNRFARHACRSISADGEKPKPLADAYENAATRVRVWNRQHCRMGGQTL
GIFSAHAILYGDEGRNDFVTAECLEAWKDAFNHKKFVRVKELENASHHGLLEDGKTYGRIV
DSFFSEYD

>comp5595_c0_seq1; 575 100 1182 LEN=1927; translated
MKFAAALATIASLGMAQAFITLPSSTSTTASTTALGAERPKEAENVLDLIGGTPLVKLSKL
NEGCEAEIVLKLESFNPNANSVKDRIALSMITQAEERGDIKPGETVLEPTSGNTGIGLAM
VAASKGYDLILTMPESMSMERRVLLKAFGAKLVLTAAKGMGGAIKAEIEIAATQGGFLL
QQFNNADNPKIHRETTGPEIWADTEGKVDILVGGVGTGGTITGCGQYLKPLNPSLQIVAV
EPTESAVLSGGKPGPHKIQIGAGFIPGNADTSLLEDEVIQIAGDDAMEMARNMATQEGIF
CGISSGASVLAATQVAKRPENKGRIVAIIPSFGERYLSTALFQNLWDEASAMKAESVEA
>comp5596_c0_seq1; 564 210 1535 LEN=1869; translated
MPSAASSSSSSSLSSSSSSSSPKSITDDNSNNNCSDTKRSSSNYYLTEEAKKNLKAITYR
GADNSLIYQYVLSPLAGYLVTTIIPKSMAPNTVTSGLAWMVSAYLSHWWFAPDLVFEFC
ESDSRDPSCDPPRWIFLWNAISLLVYQTLDNMDGKQARRTGSSSPLGLLFDHGCDINSI
FGSANVIIAMGLVPSESLLSIFLLIFVPMVFFIATWEQYFTGELIMPIVNGPTEGLLGT
AAVSFLSFWFGIGVWEETHAYDLLSAATGFGGGQDSTPWKNSEFLVGAI SVLSVQEILLK
LAFGLQKRATAALVPPFAMAASFFVIGWIGPEIWL SIPRTGMHLSMLLFVEICTELMLAH
VTEGSFRPWRQIAPLVGIAAWVGLSGSAGGNHGWVAPALVAYTWCLGAYLVTKCTLVIR
EICDALEIWCFDIVTPHCRRL
>comp5597_c0_seq1; 396 215 1212 LEN=1297; translated
MSPA VKWDQIXEPISLSPRRLSASPQDSQPNYPEGGDETDLLOSPEGESTPGGGDATGTS
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SVYTQTLQTIDMILGFAEDFVRQAQEMDAANKQLLGIKAMVTSSENDQSVAGGEGRIIS
KEDSASKREQLLDTIMKEEKNFSSGFLRHIDGECDRISNQEKLTPESTRLLDILRMIQT
RVLEELGQDLGEAALVLGQLMGYEKEEELLGVLEAGLTVRGNEFALEMASLTEEALDGF
RVPGGADPELVDKVRFIDRRVQEFLETNEFQ
>comp5598_c0_seq1; 175 541 1134 LEN=1622; translated
MKRDLTKERSSIAQNRLGATLSSDNAHETICILEKGSIH TLVQRLASSSGTKIELAREVP
VEVRTYEQVGASMAWHKDDILYDPPQVEVVFTLENDSDCVTMWVPDKGEGTAGETNNDII
QSQETHPNSMLILLAGGPDHCVTSLKRGRVILKAYVCEGATYVGEEDLHQFGSVKSNT
NANRTSKPKRRKQKRRR
>comp5599_c0_seq1; 438 475 1533 LEN=1973; translated
MNSIIEENAFDESNSMFMNNAKSTIEDNCEDQGLSVSALSGEDTDVSLLLGEEVSHCNDH
YAENGETKQPRRDDSEEDTGTIDATTLVSTTSSNASNYFLPHHKHNDSLCYSTTSSTCD
TEHQRVAPSSYL TNSNLG SFQQAFPSMFPGQTLPPHHSKRTEQPEGKSSNSNSHLP
SY YYYSSSYQNSTLNDIEVGMNLNRTPAVGSNVYQKRTKTS DRWVLFYDDGETSSLLR
PNSA NSWRGALKCFSPRVVLTVLLCSVILFNL MRYGTHFKHQFETYQHGSNSLGGSSK
VDTSV DYIKLETIGGAANSYPYSESWKDDDSL SLLSKLESKIHAVGGRENENGGERR
>comp5600_c0_seq1; 883 79 2433 LEN=2614; translated
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SSMDSNPHNVSNTSSSMKFSSSHHHQYHHGTRPSLAGFDPFSEQQTPPPTKSIAPDTRG
NSSPSGEVDLAFEGADSGYSKMEKHRPHRLGLGNVENFDNEQVDTNGVASAGANPSKKT
T SAKGPMKKVNF LRKSI LAKSLT MARQISAERNPSTQKTPSAVSPVSVVSLNDNVSN
PGN NDEHLP GKQ QMTASTITTPNPKGMPSSF I HADQSPSLPSQPLVLSKGPTSLTQD
LLELKEG FQNHATLEIPLLTTPHKQRNKPNYAPTSFLTGTQSKGIDYEAPVLT SCLFN
DATPFQLEI PSLLEVVTMARLNEFVENYRKQDQNL DLRQFVGLSRLQLEHKLQTS
CATTSNHSSNKNIA TSNNILVKEHIPIVQSLDCSEHDHDEITATTNTKGGEISIQGFT
TESGGENHSADDRTE AVIFQQRNFTVVFRTTEQQAKGLQGGGNSKSKKRAVDLND
DENGSEFPDLNKNPN SRCTIEVYSGFKESYSRIEECFRQVDKLV DENPFCDVFFSGY
SFGGALATLAAFRYAKA RPFMRVGLTLGSPKAGFAGFRQAANALPNLKV MRLELGK
DARCQGP TAGGSHAGHTVVL NHTGSGGPTGSSGNSPHNKSNAASKSTGGGNAAT
PPVSQGPFPSSPSDHRKPSVSVYKFA TPKHKNGF FKSNNPGLKKYISTLEDLAT
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EK RQMV
>comp5603_c0_seq1; 160 1 398 LEN=760; translated
XDSKYHRYSTTNESTMSALAKTLEPLMKRAARTYQV LATELNKMGLRAEDLMSRDEPE
VNEALEL ASPDVVEGRYRRLKRASDLAFKQKELQDYAPDMI LDPMKKEI SADVDKIM
KRD LEFDLLNNHKKG
>comp5604_c0_seq1; 398 51 1650 LEN=1676; translated
MNGNLDALTTIFTEFYWVTVVFMFLIHVGF CMYEVGASRRRNHMHTLMKNVMVIPLV
TV TFFFFGWWIYWAFPMFPFFGGLNHEMASANLPWSPN MATNLDDRITGVFWAAFL
LFSWTA ASIVSGSVIERIRSSALWVHAVLIGSVWWIIDAAWGWHYDGMVKYLG
YHDAYASGVIHA IAGGYALGVIMVLGPRIGKFAADGTPRDI PPHNPWMLTIGIFLI
YTGFWGFYAACNVPLI SPEVIGGQITGTTWTATNIYLAPTSLSAITFNFLMSLSG
GLMAAYV VSKGDAFWTFSGGL

AGIITASAGNDLYHPVQAMLVGAVGVVIVYKLFHWVERRFKLDDAVGAVAVHGYSGVVGL
IIAGFLLWGAPSSPFEGYATINPLGQTLGAVIMFFCLGFLPAFIVAKMQAAAGVLRIPVE
VELQGLDYQNXHAYEDAIVQVIEADKAYLNTKPTPAEXRIRHMSTIGYESWAVDLAEVGP
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>comp5606_c0_seq1; 458 292 1722 LEN=1989; translated
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TVDPGETMGVTTSSQGHAFITRHGVRENLYPEAVEGEEDKPLRIVAQKPNEKLV
PEGAA
PLRGERAEKNRCVDRYSMCAGEGETSLSSDSSVVDTSGARNRVFRLQCTLLDSV
VNLFRCLPFPATKGLCSEAPGWMIVNCCCKSCDEELNASELLDADIRCSRENLMG
GPPAWEPGDLNKLFEKWVTDEDFQOYTPNVLS SPGAKFGGRDGPWIITFDTFL
TDFESDQIWKGGELAGFDRSTDQGGQVNQFGEMEQQVSKTRTSSNAWCTDKCE
MLPGVISATEKIQKVTGVPKVNYESFQILEYQKNQFYRMHHDSSDGKDDTAAG
HRILTFFLYLSDVVEEGGATRFTKLGLDVTPKKGRALVWPSVLDENPEISDR
RMYHEATDVIRGEKRAANHWIHLDYETPNLWGCTGAFS
>comp5606_c0_seq2; 458 292 1596 LEN=1863; translated
MAFALVMGTASADLQDYIDDETGEVKSFDPNQFSIHVVNKSXYRADVYWDDGW
QGVSIATVDPGETMGVTTSSQGHAFITRHGVRENLYPEAVEGEEDKPLRIVA
QKPNEKLVPEGAA
PLRGERAEKNRCVDRYSMCAGEATKGLCSEAPGWMIVNCCCKSCDEELNASELL
DADIRCSRENLMGPPAWEPGDLNKLFEKWVTDEDFQOYTPNVLS SPGAKFGGR
DGPWIITFDTFLTDFESDQIWKGGELAGFDRSTDQGGQVNQFGEMEQQVSKTR
TSSNAWCTDKCEMLPGVISATEKIQKVTGVPKVNYESFQILEYQKNQFYRMH
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PSVLDENPEISDRRMYHEATDVIRGEKRAANHWIHLDYETPNLWGCTGAFS
>comp5607_c0_seq1; 138 1 892 LEN=1022; translated
XVKRDVFWFDGVDVDSSTNDNPEIVYVSSPAPLKSLANLELYEFATGPVQHSK
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HELEERGNTIVAEIDPRDFPLEKPEFAHRRRTVPKPLREARAVLEEADAYVCIT
PEYNHAPSPGLVNVLN HFGSSVFSFKPSAIVSYSAGQWGGTRAAIALRPI
LSELGALPVSAMIHIPNAQDAIDDDGTPTTDPKRWKEYCGRCFSQLEWWADA
AKNHKEIADPFEESEKPFRLTPSQRNAPKKQ
>comp5608_c0_seq1; 182 1 1007 LEN=1196; translated
XNTSGRYDTTHKTKNKNLHLASSISRSLQYINQSLNFSFSSGPKYRELMGEG
GWVQHRGTLERIDLEMLSRYQQNSLSGDDVTIPAFTEESNTDDNWYSITPTIL
RWEETFSAQVGN TSGAQKALEKKLENIHRELLFVNKPSGLLSVPSRSLNDCL
ATKLQSSYPGSKPCHRLDRDTS GIVLFGTYDAHRDISMQFAARTTSKYVAL
VAGRPEKDHGTVNLP IGTKRTEGGFNRTIGGYKPRDSVTEWSIDKVFNDAT
TGAVFTRVRLKPI TGRGHQLRLHMKAI GCPILGDTIHGE GSIAMCSSRLC
LHAQTLEVDWDGLRLKAESVPPF
>comp5608_c0_seq2; 285 185 1318 LEN=1507; translated
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MLLRCEKTRTESSVQTLNLPISKRIHLGGPKYRELMGEGGWVQHRGTLERID
LEMLSRYQQNSLSGDDVTIPAFTEESNTDDNWYSITPTILRWEETFSAQVGN
TSGAQKALEKKLENIHRELLFVNKPSGLLSVPSRSLNDCLATKLQSSYPGSK
PCHRLDRDTS GIVLFGTYDAHRDISMQFAARTTSKYVALVAGRPEKDHGTVN
LP IGTKRTEGGFNRTIGGYKPRDSVTEWSIDKVFNDAT TGAVFTRVRLKPI
TGRGHQLRLHMKAI GCPILGDTIHGE GSIAMCSSRLCLHAQTLEVDWDGL
RLKAESVPPF
>comp5609_c0_seq1; 570 1 1962 LEN=2182; translated
RMDTAENSSTEGEVISLLQAHERKCKQKRGVNTFDRMEVSSSESTRFSASSL
LGNVSTGGDTIEVDNSNVRDLGGNEKPLNEKNILTDVKGITADSATLVMANES
HAQKLNRYQDDESTRDCPFVLELGEVDVAATTRKSLSSNSFTLN RVHDHVQNL
VNDITIRQTSSNIDKSVSFDTEFIKTINVNSGPSDDL LDKPTNVDIASFTSM
IFEGLHPVRIQEDGLSDSFTRS GKSNDAVGKIVCDRWRQFIEAVCGEVE
RRIDQEGTAATSLRSLVEEDPGLYYSIQHRFQSSGEHSFIR
ESLKRLEVEAGQILIGYEWNSWLATVLESFHGPLTDIPQAF TDDISKIDEAL
QQSKILETDVSFMNDRRTKRARRKSLARHRMTV TALERIEIESIQCAIKAE
LEQMEREKVDLLKATTSCYDFRHN AELHDGLKVEAEISQRSFSSLRGLHS
VSVSTLSESDIEISIIIGSCKQTYLELMYKGTCKGTANTNVLSKIDSSQK
MEKSLYVYHGS IATFLEIATKRLIYMAQKSDIKGEFRINDHLLRYAWLAG
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>comp5610_c0_seq1; 631 106 2310 LEN=2388; translated
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RVKVLTEVEPDFFPVSDEGRASAQLIYDLVP

DAEIVFSSGFLNAGGFFASAI EELVEYGCDVIVDDVSESDTILLTTYEDDFVANFFRLTL
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DIFAVDIETGDILKRSATVNSGGDAVEQLVFPQFFNLVIAKSSGSPSLIKWIDRGLTS
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VLKQPRFVASDGSYNTFFGYLEPYEFSIGEQLRVPPRFYGTSCSVVNA AVGVILIQAM
SLFPGERRLLNSKKTGEEGGVNSTSAKNESEEDQDVRKGFSLPFDVYKIMEDTAIDM
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>comp5610_c0_seq2; 598 106 2454 LEN=2532; translated
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KKTGEEGGVNSTSAKNESEEDQDVRKGFSLPFDVYKIMEDTAIDMNEGGFDL SFGF
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LS

>comp5610_c0_seq3; 659 106 2190 LEN=2268; translated
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DGVAYFTVARNLASRSWENR GFKDTACPNNP I FDDY I SCHDFGNGNPLQRIAKFAPNPLT
FYWDDPWTSVSGLPGPESDL DIFAVDIETGDILKRSATVNSGGDAVEQLVFPQFFNLV I
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GTSCSVVNA AVGVILIQAMSLFPGERRLLNSKKTGEEGGVNSTSAKNESEEDQDVR
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>comp5610_c0_seq4; 626 106 2334 LEN=2412; translated
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DAEIVFSSGFLNAGGFFASAI EELVEYGCDVIVDDV RADGFEP I FQLGPTPKAADNAATV
DGVAYFTVARNLASRSWENR GFKDTACPNNP I FDDY I SCHDFGNGNPLQRIAKFAPNPLT
FYWDDPWTSVSGLPGPESDL DIFAVDIETGDILKRSATVNSGGDAVEQLVFPQFFNLV I
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SQGGIPLIFNDDGQRFQEI VLKQPRFVASDGDHDSNKPHDEF I SWMTSPQLVVVAFND
THYIFARRTFFQSLNDNIXSYNTFFGYLEPYEFSIGEQLRVPPRFYGTSCSVVNA AV
GVILIQAMSLFPGERRLLNSKKTGEEGGVNSTSAKNESEEDQDVRKGFSLPFDVYKI
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>comp5611_c0_seq1; 1234 698 4423 LEN=4927; translated
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VTDF TALDAKIPGMHVPRHQTDNSCSSKPI SVVRALVEQSLRGRLLVGYKVEEGLKALGL
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PWLNENPQDKGGEETGKSSATS RQGASWFGFKRGKVTSLNKVTPLTNGFDSIGMEMNQD
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>comp5612_c0_seq1; 349 117 965 LEN=1051; translated
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>comp5613_c0_seq1; 108 339 804 LEN=1057; translated
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>comp5617_c0_seq1; 627 197 1942 LEN=2572; translated
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HREHGTTMVSTTAAADDGSGPSIAAWASLQRKRHKSLSPEQKELLNKIGFVWDYQEARWL
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VVPTRSSSVGGNETAREGDASPEDEPPRSSSTSSSTNPYKQLGTWAANQR RAYKMGTLSD
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>comp5618_c0_seq1; 166 120 386 LEN=386; translated
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>comp5618_c0_seq2; 166 307 573 LEN=573; translated
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>comp5618_c0_seq3; 166 65 331 LEN=331; translated
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>comp5619_c0_seq1; 271 133 1044 LEN=1287; translated
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IKKQLKHRRRLREDHEGRDRRQHGT RDESNAVLRTEKKKDDVKGAETSHADDDSEKFR
ALYGSISGPPVRKYSHDNDLCMPTSNEKEPSTDTDGLAPMTVASLTALGFLDEISYFPT
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RLVW
>comp5620_c0_seq1; 370 192 890 LEN=910; translated
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PSVIVSSPRDTIGAIKKATTGGHVEFDVGGSVGLRTHLDVDIAAEKSGVASVRVASDLIP
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>comp5621_c0_seq1; 622 130 1534 LEN=1534; translated
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>comp5621_c0_seq2; 646 130 1836 LEN=1836; translated
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LKATKFTSF~~TRKLN~~RWGF~~TRVTRG~~TEMGSYFHKMFL~~RDNPELCL~~RMS~~SHTSSKYHHS~~HHH
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>comp5621_c0_seq3; 580 130 1657 LEN=1657; translated
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RSFIIYKKKKFAAQVLVKYFKVGS~~PGSFLCRFNKYDYTYITILMPFFDVVXGNDLTF~~LQS
LKATKFTSF~~TRKLN~~RWGF~~TRVTRG~~TEMGSYFHKMFL~~RDNPELCL~~RMS~~SHTSSKYHHS~~HHH
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NHPNNDGAPYQQSPPGTLPLYGGNPYPPLQPLQQAISDLDPNTPPIALTAPEPPVVGQHP
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>comp5621_c0_seq4; 688 130 1713 LEN=1713; translated
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RSFIIYKKKKFAAQVLVKYFKATKFTSF~~TRKLN~~RWGF~~TRVTRG~~TEMGSYFHKMFL~~RDNPE~~
LCLRMS~~SHTSSKYHHS~~HHHDPANPIQNAPHMHGHLVMNPGVSGFMPPGALGMPVVPF~~PF~~
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GAHASQQHPHYQNQQLHPSPTQQPPNNNPYGHNPYQYGGQQSHVPHGPPHSHQGVSN~~GNP~~
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>comp5622_c0_seq1; 149 1 554 LEN=554; translated
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DTASX
>comp5624_c0_seq1; 288 77 556 LEN=688; translated
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>comp5625_c0_seq1; 515 59 1330 LEN=1584; translated
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PLEVASQQLLKDEIHVLHTIGDDTNTQAAVL~~SKYLMDEHNGSVIVIGMPKTI~~DNDVIPI
AQTFGADTAANQGAIF~~FQNVVNE~~STASPRMLVLHEVMGRDCGYLTAKTAQYYRDILSKQN
LASSIFPSNQSSRDIHAIWIPEL~~KLDLIAEGARLKKVMDENG~~CVNVFFGEGTGVEEIVRD
MESNGEEVPRDAFGHVTLNKINPGQYF~~SKRLANYVNAEKTIVQKSGYFARSAAANE~~FDRN
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GQI
>comp5625_c0_seq2; 344 262 1065 LEN=1319; translated
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MGRDCGYLTAKTAQYYRDILSKQNLASSIFPSNQSSRDIHAIWIPEL~~KLDLIAEGARLKK~~
VMDENGCVNVFFGEGTGVEEIVRDMESNGEEVPRDAFGHVTLNKINPGQYF~~SKRLANYV~~
NAEKTIVQKSGYFARSAAANE~~FDRNLIGECAKVGVASAIEGVSGCMGQDEEKEGLPIRPIE~~
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>comp5626_c0_seq1; 229 326 883 LEN=1466; translated

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FKKQG

>comp5627_c0_seq1; 461 80 1378 LEN=1462; translated
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IVRAHQVVEEGYDFFAGRKLITLFSAPNYTGEFDNSGAIMIVDSMNCRFQMLKPSQKTD
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>comp5628_c0_seq1; 226 1 1102 LEN=1248; translated
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DCAGTFCGILAGLGCADPETVLSATRGGGSPGPKTTGLDDGGAPLLSEAATAASRRLEAW
RTAAAALVGRDFPEVAPSFSGGEDHRKVLDDLQLLDEIQETIDEAERSLEGVRQAAEIRVR
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ARQPTTE

>comp5629_c0_seq1; 511 1 1606 LEN=1727; translated
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KKAGFSACNPLNVSTSDVEVEVDIDLQSPSARKQRSRNENGF LCTGIRGPGKKFDYSCGKV
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EVD SFKTKNIGDLADSTNSTRANANSVPTLHEVGTAQSTEEARTEEGVVEVCTEESLPG
VCTEESIGEMDTERS IHPTSCTGAEAEIDYLADDVPSFDCAYPSPFDEPAEPRKGSNTTFP
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>comp5630_c0_seq1; 630 69 1989 LEN=2558; translated
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>comp5630_c0_seq2; 630 171 2091 LEN=2660; translated
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GPSDCPVKGRGCCYHPGRAWLTRNGLS AKKHMCEVENDAPNYRKDCDLWIGGVM LHEL
HAYHHGMVPDGYKNKEIQECYELAMKEGLYDRVKYHSNCSSSSSSSSSNGNKR SWNQYNGG
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>comp5631_c0_seq1; 423 1 1276 LEN=1276; translated
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IPGPVFP EHERSDGEVEEAKARQAGGKAPSGGGHPALVGPDLFLL LQGR LFEKNVSLVVC
GESHNDAIDVTRRSPGRFDPT EGWIPIADSSSPEGDLDLRSGLPRVLFVSGGDGEDRPS
GPAVEEAEREA AAVTIQTEREAETTA AVI PYTETEAAA EAEASTTETTTGPTTTAEMAAT

TTTTPTTAAAAAGPTSPSLETIAIRFLYPINGKKNRPVTLGKAKELAKEFVDKYEIEEEM
FHCHLVLLWIATTATPGSSHQRVEKQAFLEIETEENIDYNLYERYIDAEEDEEEVYDD
WVVFPSNAAYVESEIQRRNRRLALPDLVAQWMDVMMVTNRESDFYDYDDDDITVGTAEESD
DEDGG

>comp5632_c0_seq1; 342 299 1762 LEN=2255; translated
MKSNRDAKASNRHRVPHGKPLARRVTFVTKLSMAMCIVYVWVLGTLSSLHNYGYHNLHSF
RKSFGFQQSALQEFKTKRPIAEVHVVSLLLESKFVFRHRNFDFLANGGNEVDDDDDDGYN
NDIPTEQRRPKVSVRWFEALDGMDEVLDEWHQRTQLYRLNATEFAGPDAAGRKHEYASP
HAVGCYLSHWKLLERAWNSWVGKQYQRRNSKDRYSNDGEATGGTETLSDGKRRRLRLRP
DMLFVFEDDAHCVSNLIERTWGVVQQLPKDWDILYIGGKPFYHTMGKSLSDYVAANEAP
NNATNGIADKKRPSDRELLQRKCNGEFGTSLSGPFPSEGAQWRNAGKFTTNDLPPYYQT
KTTLNTNAYVVNPKRIRRVLRVLSQPMYELPIDVVLAKDMFREFYDPVGTNSSSNSAPL
KAFLTPSMYCDQNSKRLIVDRDKPPPWEGYWLPWRKKMKGFDPVSAFVWGTIAGLPNMC
SSLASKQ

>comp5634_c0_seq1; 522 85 1293 LEN=2064; translated
MVFSVPPPPLDDPNVSDPLECPPLKWGILGCRVSNDFCQAMKHLPTQSTVACAARRTES
AEAFAKKHSIGKYYGSYDEMLQDPEVEIVYVGNVHSFRRSTGEKCLLAGKHVVLEKPFAC
SVEDGEYLISLAKEKDLFIMEGMWSRFFPAVQKARDLALGGEKILGEIATVFSDFNFNAA
DSEEYPSFVYQRKLGGANLLVGPYIAAASLFFDGRMPEAVKAMGQVDQETGVELQAA
VTLSFSPTDVTVKPLMGATDDGLGNVYPKLPGSGVALLSFGFLCETPEETVVVVGSCGRMK
IESPGHCPTKLTVEVKAQGRGQVGNLTFEYPLPEDTEEIINSGGYFYPNSAGFCYEA
VARCIASGKRETPQFTLDETMLNLRVIEQIRNQLGVKAVNDE

>comp5636_c0_seq1; 251 61 576 LEN=639; translated
MNIYTITVFIIALQSAQAMVSPAVTCCEENGGTYEILDGSDGQSGFCRKGDNTEEMTFM
YQNCPPAPMPHPSNEPTTRYSVYAVNNCDATVTANFALRLSSNGGNRNSRVQVQQGQCKY
VGPTNLDTVTYTSQGSYVSRGNDSCLSIGNSNNSDCNLMGMAENACVINLC

>comp5637_c0_seq1; 134 123 251 LEN=251; translated
MPRIDSSDEAEYEEEEVETPSRKRRASRGVVTYNEDYDDEEE

>comp5637_c1_seq1; 375 1 291 LEN=1035; translated
EANNTEDENNDVDEDETDNDEENDSDSDGGDDDDDEELGKALLGPEIRDDEDA
VDFVPEEVDEDEDEMDDDDEDDEADEEGKLTMTICLLK

>comp5637_c1_seq2; 438 1 315 LEN=948; translated
EANNTEDENNDVDEDETDNDEENDSDSDGGDDDDDEELGKALLGPEIRDDEDA
VDFVPEEVDEDEDEMDDDDEDDEADEEDDDASDDQDGPQLKKQKTS

>comp5637_c1_seq3; 582 1 432 LEN=432; translated
EEEEEEEEEVLDLEYEDQDENGQEDAEAADEEEDADTADNAEEDDDDEVEAE
EGESEAEGEPEEEVEAEEDAEETAENAEAAEADDEVEVEAEEDDDEVEVEEEDP
DTADNEEDEDDEVEAEAAANNTEDENNDDEDENDE

>comp5638_c0_seq1; 218 177 839 LEN=1047; translated
MEPDNSLPLQLLYEFDGKGVGSSQIEGWNTNEDVMNPYNVTSNSNVEVVQFGD
HDSIFDIQSSSTSPRQITHDRISESAHIRENLPTEESRCEDSTSSPSQPKPST
KRKRSRSLVSSSWNERFQELIRFREANDHCFVPHNYPANPKLSQWVRKQRHQR
KRKEKRLHSTLSDERQELLTNAGFIWDSHRAMWQERYQSLELFQMTNGHC
NVPNSNFHDSLSLNSW

>comp5639_c0_seq1; 360 118 2243 LEN=2351; translated
MMQKQRRRRRNEENAMNARSYDACDESKCVSRGLSHLYNYSFTCYGDNKDFH
MMCADGYLPQVVDDEDLVLTEGLNDGAPLLLNVFGIWGAVGSDDSNFQYFTCC
PPDDLSAETKNVTRHCSDPILGETEGDSNATFTCDEYDIQPYPRMMKQPRLY
VHPDDCFNKFEGNPYMCCDASGAENAEKILEDETCVPRTESYDEAKAMNRYGGI
IPITCDFPDGGFKFPRFIEDDGSTHP SQWFHYQCCRSIPAIPFIIHDSPF
KLTVPYILVLSALAAIGSLLVILGLTIPLVIQLRTEAHRKLNQVRDTGDSG
SVIIPRLPGRSRASLYSTTICSSQSSGQQTARQSQRHTTSSYSRQSQFSRS
QYSRPSYSSYNYLIYLAIPLDALAMALYQLSMSASMINQKFNMKFHSVVV
FPLLRIFSHEIAINLAYMISAILYINALMSYEVLVLLRSFTQVRRVQPPSL
TKVTLQALSVCFAIIMVVTDFVRRTAGREFLDGNLHRSQSLLAWGGRYGITIL
VMPILFVMVCVCIIFWKGYLPAIKGNSPKERALRELVWYFIRIVAVIFGIWLP
FILLGGWTLMNQGGIGDSWYLALVQLLGPIGSLFTTSVILTKSDVRAHTL
NLITLSYLRDCFHSRCRENREHAEGGKKKEENDRSQXKSTVTVFKNMRTY
TYEDPCSLESTDMVTLQAVAEGSDPNKTEDYNA

>comp5640_c0_seq1; 394 48 1387 LEN=1387; translated
MSSKHSKGPTEFGGPIGAFGTVVALPLLVLILAHWARFGCLDLDFAAIFR
GHRDLIFGGEDAMELLAKCTLGLLWFLGLVLLWKILPGKWVEGAPVIDPEAD
HSAASKDKAPLRLLKYK MNGHATFWTVMILLVATGFPLNDYLYRHYERLAFV
DILLCFGLSAWLYRGSFQKDLPTGR

NKILSHTGRSGNAVYDFFFMGRELNPRSLGGTFDWKEFCLELRPGLILWVLLNIACAQEYK
VTGVSVSGSMVLLNVFHAIYVWDSMFMEKCILTTMDITTDGFGFMLVFGDLAWVPFTYNHP
AKFLVYHDPRLSNPVLACILGLYVLGFVFRLSNRQKDI FRNDPSDQ RVAHLTYLP TKRG
TRLTSGWWGLARKINYTG DYMMGLSYSLLCGFDSIVPYYYAVYFLILLVHRSIRDDEL
SEKYGDDWNXVQAAGAVPVHPRDYDR

>comp5641_c0_seq1; 731 113 1414 LEN=2201; translated
MPPKKYTKINGIMKLNPEYKRWKDAQNAAGSPAPATTVVNSAQALPIVSSMDDHMTMND
DLKQEIPLAESTNATIEMLQEP EIAAEAGMAPDEMIDELGAILAKYEIPIGLTNKMLLS
EYQSLEFIVDDSGSMQLPTDSNDPTTRRPMSRWKEAEIRVKEMIEI IAYVPFEQIGIEFL
NRKDRISLKREGRDPKSFLEDANRSIDAVFARKPAGTTPALEKQLQESFLRGQGNNIARYF
FGDGRPNGGQRAIDEI IKILRHRSDPESNPMTFLSCTNEDEAVEWMKDAEEIAAFCSESD
DFGDEAREVYKDQGAALPYSKGFHLICQLVAAMCPEDLDAMDESVPFTKYTLDNLLGVVS
NDESYKH YFDNFLKAQRERVVEIDERTGQPSRLDTIRKNTRWDFNQFRSTNGPATKIAQV
GDFKRQLQQASQF

>comp5643_c0_seq1; 375 1 664 LEN=744; translated
XGMAPSPSPFAGGTAPSPSPFGGGAGPSPSPFGRGNTNANPSPFGGGMAPSPSPFGSGG
MAPSPSPFGSSNRAPSPSPFGGNTSSSPFGRGNMQQNSPFGGRNAKKKGPCRFFAQQKC
KKGDNCEYSHESGGNSGFGGGFQQNNHGSSGQGFQQNYNNNNKVGKKGPCRFFAMGKCK
KGKNCPLYHETGGDSGNGFGGGNQGFSNNNWN SFGRRRR

>comp5646_c0_seq1; 505 129 2014 LEN=2058; translated
MMPSSLVRS AKRQKLD SMRGNPYEATGALNTNGYHYNTLLSLVDMLVSVQSSDTEDFIEI
IEKIRSHPFLL EHD SLRRNKVAAIH DYHKTVMISKLHGNLILRLGFL LASFKEVSLRVFS
SLVFC LRDLYTND DISMENLNT EEEFGELFILIPKV VRIIDDKIDESNVXEAIKMRD TVL
GCYQIMKSWLRAPRLK KVLAYSSTNTLEDFLLSLIIVIDQRI IKSGSGEEEEIQNVLACL
GSICNVEAEFRILLDVT KSAVQLRQASPHVNLSPPLVIFFWRCISR VHSQRQTKSERKIQ
LDFADRAVEAIMPYCASEDHLLSNKATVGITELIGETDYNTRIRLITFIVESVKKKIVVD
NDGSYGKVEENEIDGNLVALLECFGLCINTENVCDYFFQIDWEKVF DALVSI SVDQKNI
YASEKSAAVVLPILNSLVTKVEQPLAPLFHKAIEICLELTHSESI SIVKRTLDLLFDLVE
NPGVERRIRASLAPDMINALALLSPKAFLL EESTKSKLAQT FALLVEGVGNIHF LARQT
SNLAF LVRLASGSYCETLQSRAQQISVSVLMK LARNPCNRRILANQPGLLSSLI RYTRMT
PEGTDLFVESKLSRKEMKDQILLVADAL

>comp5647_c0_seq1; 92 189 851 LEN=1130; translated
MAGGEEVDHFTPGAGLSAPAMIKATPLHHGPVLKLVHPVLYSILPAFFQRLILALPFLRS
FAPSWKERHLILGGSYLYKFKD PHSQIPKGS PFVETLTTEIVGHDTSLQFPEIGNLPAG
CTGFFAVSTLRRQH FYAVSTREEALLWFRSLHDARQDSITRNMGHASNPYPSSWKYFDS
LGKSLVKT KARIKDRMERSTFDSMEMTSFTDGP IARGYHG

>comp5649_c0_seq1; 507 92 1232 LEN=1232; translated
MDNDAINDNKNDTPPTSMIPC DCEQFIPQQNLELHRLRSCRAGR SNGTGNDRGQDRART
AAAVTTLR TTT SIAVGE EKQGDHSDCNEDAQKRVV VTAIDSASRRHRKTRRGNTD DSNM
AQSP PVSRAEERTGSLDQ SNEIIDLMD DSESSSRGSDSLDRMDVSYGSTPMNDHGDSMA
VNLTGIDWEDQGEDDGRKMPARDASAHEAPSEDEALEDDAGE SHHDSGADRKPPAIDP
GDDENSSEPAENDARDQWSCPRCTLLNENTSPVCDACGYHNLEIENALIRRN NYDMLHTP
EEHPHQRPQQPLPAS PSSHGLIGSGALIGAAVGMAGNWLQGRGTL SGALNGGSTGAM
GGVLLREVLLSNNRDN NNNNNX

>comp5650_c0_seq1; 823 283 2025 LEN=2244; translated
MARTLAGILGISGVISSRAFSPTANTNLGHSRQRHQREAVVLQSI FYDDFEGFSDFSLN
QNSPDTE SNNNNNEATPSLSDTDIFASLRARQDSLKEEQRIEEQTEKAVEVDLIERERL
NYNWNEANC VSTVRLTIDDWIRMAVDLYPMVVC GSSRGNLYLGNLDDGDQLDCLEGVHS
EEIHEDIPDDVAQACIQALYDGYDGNPFAIAMKKDLVSSGREGGIYACTIIGEEVDVA
SGSRGGSVRQTKLRLQREGKFRGLEGGTDSNGKSIPPLITSLVFDNRGTLWAGGYDGKL
RGYNHEEFDLDDRPLMLRQKAPDFDIDVGAPILDMNVEEETGIIVVTTHTKGVFLYSLHD
GRFLFHCNPFAPSKLRQNASISQRQFARTAMAVLTNNSTALNESDSDAVLIIGSYGHM
YQIQLSIATDEKNPSRTLLVTSEGTTKITPKHMGPVVCL ESPSPGLFVSASHDGTMRVWD
CSGRAEDDDDDNDIDDDDETRAVAEESKGP KMPKVLYALSGYKVWLGSVFANERKLVS
DGADNTVIVHSFDEDEDAI LRSQQEDEDNND DDDFSSLA

>comp5651_c0_seq3; 422 83 977 LEN=1095; translated
MSESSPAVLGDAPIDESREQPSGVPT EAVPREGEENTA AAFSEGANSASLAPDDD GSGGQE
HDVVDDVDGEGEDED AKSMASASHAM DDEEIEDEEMEEDSEETG SVADSGAAEPEAENAN
AGVNAKAPNEAPAVDAP IKKKRGPQIPASARKGRAPVKGLNIPFR TVKKAMKLDPDIP
IVQNEAAIMTTLAAELFLKRLANQS QKICKSRGKNTIRYEDVADARSNDPALAFLERSFR

DPSKAVGFGGGTGSNTLGPEKNWHRAIPTRTNERTNRMPFLRWCVRGMACDTEAML
>comp5652_c0_seq1; 402 119 1423 LEN=1613; translated
MKKKDKSSTNKISNNVTVGTLADAQKPDQKQWETGRGALGKGSPPKDRYVYCDFAQIKEEE
YDVDYEIDQEGLLQALDESTTMAAAQSAQHQSISYLQQPPVLRASGWVRSQRFPTKLYA
LLSQPQLSNIITWMPHGRSWKVLTRIFETSVLVFFESDNYHSFNRVINAWSFRRKSSG
PDRGSYFHELFLRGKPHLQKYMRLPRTHKKLAMSKSEEPDFFELEKTSPLPTLDQARAS
LESRKYLRLRDHFDKETVVQGGMADHSRSQLPAPPLDKNGNDQAKRQGSQHDAAALQCR
TMLATKGAPPKGTGTLNNDVQFVLGVQHNVNARNGLKVPESLFRNLNHQDKQLKDQLELQS
RITGQHQQVTIRQQQEQQMIARHRAQILHQFEQEQLRAQSVHKAELTQQQSQMNLLRQ
MDLLQQQHHRNGF

>comp5653_c0_seq1; 585 143 2200 LEN=2640; translated
MGWFDDSDDEDQPREIGSLGEKLGKGTDAHNVEKKDDEEDPLDAYMKTLDKTAIRSKS
GGNTNTDDDDYNFREGDTNAASMSGRLDVENEDEATGHVWQKKKVGKKNSSSNNGKSV
VSDRVTNPRGASAKHALHGTFHRASDQQLQEDQNGNVDIRLEQVQHDMKYTHFRKCLL
PLSPQVSIHENGSNESRADPIIRNTPEGGRWREENVTCQPPTLDPIYDFLELRDILPVE
VMTWNAMKHLTSPTPVQSQTGLVALCGKDAIVTAPTGSKTLTYLWPIVSHLMVNHRS
TGSSSRALILVPTRELALQVEQIARSMFAKLPLTALAITGGNMGRYQLSQKLASTKPHCI
IATPGRLLDVLSAQKSRQWLLPNITILVLDEADKMIQMGFSNQVTQVLQNLRPDRQSL
LVSATFSSKLQRQCQKWMHEPFRISVGKTGESSQHVTQHVVCLPNTQAKIEFLKELLPTF
AGVGRTLIFSATRQRVEDLAADLSTIVPMETLHGDRHLSDRKAALKAFRKGDTKVLVATD
VAGRGLDIPQISTVITFDPAKNWDTHVHRIGRAGRLSAEEQQQHGSAYTLLLPNSVDFQA
SMIRAYEKEGRPIPREVEELVAKKNNRFTWQDRISNNSQGGRMFSDSSGANRSKGNH
GIDRGGRLHNDPSENYHGLETKRRRFS

>comp5654_c0_seq1; 842 128 2341 LEN=2439; translated
MNKTSGSGFGGSASDKQKRNGKKEARKRENGTWTWHELEKFLAQHRDSRTNASIDRS
VLNTLKKVLRCAQAPDWWWKGLQKMYLLAIKVSIVLTEQYQDWGDPDDTESAIGALEEL
AEMSKILVASSTASASDASVSSAKGHSSSEKTLSTKKYENNTHDNGSINAYNWIRDQTSK
KRSVKHKFTVKDMLLPKAVLQLKEEAMAASKKFIHQPECSMVGTHDYRQKMRPLAFSMV
EGSSFESPKHYYPAGGGCKRYRQSRLLPNSKSGSSPSKSSQSSAAILWKELSAIPTALPVEY
SSIFVRALETELTKLRVLIIGPEDTPYANGCFFFDVIMGDDYPNKPVKVQFLTTTSLFPT
ACGNKRVRFNPNLYADGKVCMSLLGTWTGSPWTPKESTLLQVLVSLQSLILGTANPFNE
PGYERMEGTPSGDRNTKAYNVMIRQOTLKVAMLPFLYNQLGGNVNECSGMNDCKAAPVPR
ANASIRGNHKKRSFCNASFPNHYFSEFKEVIQQHFRIKKRSIQTLQFLQWLKEDVAGLEA
LISEYWSVFNQLEEQKRLKLSASKRSRTITGTFVTASPAIPRSKGRGNKDEAIELLPDSE
DENSNSDNNRKMVSNTVELLVDSDDDNENCKAKHVDYRKPAAATIELLVDSDDDNNYGV
DAQSVSEKKSAAATVDLQINEKQKSVNNEDEPDEAIELLTDSESSQRDGEAQLNSKKPTE
TIEILMDSDDENPAQNK

>comp5655_c0_seq1; 608 527 2374 LEN=2506; translated
MMYCSGDADLKQKPSKDQPIRSGRSLDKYERFENWLRKNGAQFDLLELREYDDSTGSI
VDHGNEEHDEAEKKEQOMPIDNDHGSCGEGDSEMRGVHARTRLPNTVCVAIPRRCLITV
EMGQETPIGRSILRSDLDLDAKPHIFLMIYLLWDRKVNKNSFFHPYIEILPQTLNMP
FWSPQELELYLTGSYLLKQIEDRNEAIAADDYYAICQIAPLDKICTLQEFKWARMCVCSRNF
GLQIDGHRTSALVPHADMLNHYRPRETKWTFDEDRQAFTITTLQPIQAGAQQVYDSYGQK
NHRFLLNYGFAVEDNRELDGFCPNEVPLELNLSPEDPLYQHKLFWIRGEMNLVGSAAALV
ASSRPHSAHAKRVRICVSNENRTRLLFSLLRAMNCSADELRAITSPVSDMRSLFMTEHR
SSLTSYYRSCRDIRHPLSLKNERQSMVNLQIISVALAQYPTSLAVDKADLLDEHRYPF
SNQRHAKIQVRGEKEVLYHFATWARTALEVLEIEQELREEQQRGSVEVQLGKGVIVNDD
APSRRGSFDAFVRKMEQDEAEDGVHHTIVRYCADVLGSLRREELKSMRRQRATLAATSLK
SSGDAGKGGNGYC

>comp5658_c0_seq1; 275 216 788 LEN=1007; translated
MAADPEAKKETTWDRITGPKLFKTVTNWNGIHSVPLVPLRILTGMLMIHHGSEGGIGPAN
FGTAEFQGFVDYVMAPHFGFLPGPLELWALHDYAEFFGGIFFALGFLTRPAALSLVMT
MSAVYFHLAVGAQGFPLGHVSNYSYDFEELLYALIFLVFVFNAGPLSIDSIIYKNIA
PEDLSDTNSQ

>comp5659_c0_seq3; 531 123 1610 LEN=1610; translated
MKRPQLRAHASLPLSVGTSALSSARKQQQGRAGRFSSLWSPVGLVLCACSVVSFYAGAS
IGYHAGAASAGVRRPPGNDAVSPEEPGAPVYDAGELEWLRTNKEHTHQEKLEERRIKTV
ERDLMRCHKANRDGDKDKDKDEDEPTNDGGNNPFPFHSDFSEHTGQFASGMHLVDR
EDFAGAFDTGVPLDPSGFGNDRVLLLYSDPSAFPSGGEKTSKSPVVSARDATANCNLHI
VYTQTGRKKQCVALMGQYESYHLHRFMRVDKTEKRGAVDPSLPLVQVSRGYQQNGRSHK

VPTVENSETHWDNLVAYLQSLRGKDNFLEATLDPILKKVASHNDHNTVVVMVCNFGQSEL
LWNFVCNARAKGFGDVLNILLFATDKETHELATEYMGITSYIESIFGDMPRGAARAYA
DRTRFRQMMAAKVYCVQMVSVLGYDLLFQDVDIVWYQNPLEWFHDTNNPHYHFDMYFQDDG
NHSLFYAPYSANTGFY

>comp5660_c0_seq1; 397 1 1404 LEN=1609; translated
XSSDVHVGAGGLPVVANSQQLGCVGNFVQKMSVKKKSKQRGSLEKSGASKDEDSSS
PLPRIAESEPLQLPTAEMASTRIGDKSEAIVADSDEFKEYFNIERSPIWSGSNKGWQLT
WGIWHRLPRDERKKIALEHGMKSIGEFEEYVSLQQAVDDSEYSMVELVENSHTTTTISN
VASHDNTVHQTKGFEENREEESDEDDGDDLLHNEATELATELTSEELVAVGGNILLILPS
EILHQIVAWLPADAYGTLGLVSPHWKFFTRTEVVYKRICERLYLNQSKRRQLHVSFRFGGS
YRRMLEIRPRVRAAGGCYVLKYSKYKKIERDMWCEIPIGAVLETVYRYRYVYFHEDGRCLY
ALSNSPPKVMFPRILNVLHKEETDPAIVTGTQVQKYNCTIIAKQPWHTVKFEITIVPE
SVHGRFAALTIDRHVTSVSGEIDDWSYDLVEHEVPDKRFRFMKDGRL

>comp5661_c0_seq2; 261 176 712 LEN=1032; translated
MLARTTRSITRVAGRRLQAPSLAATRGFSDDKKKDESATIPFGVGKWLGEKSDHLIPTD
KDHDTRPKHMPEFFPEDIKKEMKEMGLEGIEDLDELEQKNIDGYNDLGLVPPEGTGTFFAS
PILIPSRRTSRVVGYPDSHAMFWFTIHADDNTYYIKDLGLFFKMLPIPAEEDAAHAH

>comp5661_c0_seq3; 175 1 583 LEN=903; translated
FFKLT HNASKLIQIDETNQTPSITRVAGRRLQAPSLAATRGFSDDKKKDESATIPFGV
GKWLGEKSDHLIPTDKHDTRPKHMPEFFPEDIKKEMKEMGLEGIEDLDELEQKNIDGYN
DLGLVPPEGTGTFFASPILIPSRRTSRVVGYPDSHAMFWFTIHADDNTYYIKDLGLFFK
MLPIPAEEDAAHAH

>comp5662_c0_seq1; 257 624 989 LEN=1985; translated
MDNSNREAKELYAENMGLRDSIQKLEENERLKKFVEQQHQRGAGTVSAKKNNDKTIVL
ERFEGEHLDFDTEPSTSSLSSQAVATNEMKEELWCDVLDGDQCPVEPSVSFGEALRDRA
YW

>comp5662_c0_seq2; 334 624 1643 LEN=1848; translated
MDNSNREAKELYAENMGLRDSIQKLEENERLKKFVEQQHQRGAGTVSAKKNNDKTIVL
ERFEGEHLDFDTEPSTSSLSSQAVATNEMKEELWCDVLDGDQCPVEPSVSFGEALRDRA
YWLVMFCLRDWKYIFLRIEVPVSVLWFITGNSPLLIRIVWHRFHTGLLIMQSLSGIIL
SRNELLLANHPVIIYYLTMMVGAGGNAGNQASVRVIRGIALGTLNEQTRGQFLIRELKMA
GALSLILSAAGFFRTIFFKTPFPEAVTVTSALSILVFTSICLGAILPLILERIGIDPAHS
STTIQVIMDILGVALAVFVSGLILDGPLGAFLLPKLGFS

>comp5662_c0_seq3; 343 624 1514 LEN=1719; translated
MDNSNREAKELYAENMGLRDSIQKLEENERLKKFVEQQHQRGAGTVSAKKNNDKTIVL
ERFEGEHLDFDTEPSTSSLSSQAVATNEMKEELWCDVLDGDQCPVEPSVSFGEALRDRA
YWLVLGLLIMQSLSGIILSRNELLLANHPVIIYYLTMMVGAGGNAGNQASVRVIRGIALGT
LNEQTRGQFLIRELKMA GALSLILSAAGFFRTIFFKTPFPEAVTVTSALSILVFTSICLG
AILPLILERIGIDPAHSSTTIQVIMDILGVALAVFVSGLILDGPLGAFLLPKLGFS

>comp5662_c0_seq4; 307 624 1651 LEN=1856; translated
MDNSNREAKELYAENMGLRDSIQKLEENERLKKFVEQQHQRGAGTVSAKKNNDKTIVL
ERFEGEHLDFDTEPSTSSLSSQAVATNEMKEELWCDVLDGDQCPVEPSVSFGEALRDRA
YWLVLGLLIMQSLSGIILSRNELLLANHPVIIYYLTMMVGAGGNAGNQASVRGMFAVSTGR
GASGIISTYXVSLKSTKPLCFVGLFAIHILKKYLQVIRGIALGTLNEQTRGQFLIREL
KMAGALSLILSAAGFFRTIFFKTPFPEAVTVTSALSILVFTSICLGAILPLILERIGIDP
AHSSTTIQVIMDILGVALAVFVSGLILDGPLGAFLLPKLGFS

>comp5664_c0_seq2; 267 92 715 LEN=753; translated
MPI SNCFGSKVAVTSVLLVVLGIFDTSQSLLEHYWHHSKPLHSSYQRLDWGDSKHFTFLS
NRLTSLGIASDGYDSVEAGSRVEGDPHVETVLFVECGFGNDSHGQSATKA AVRACRNSI
EFNSIPSVSRLIPNGYQGLKLDVLLAVPPKYKDSL DLSEVQKVFYPYGSVRFQIQDGMVA
PSGIAIEKLGQONEDM VVVCAAVTVGY

>comp5665_c0_seq1; 176 593 985 LEN=1683; minus strand; translated
MNGSRVAGHMAFWLADSLPEPNRVLFRFAIVRSLDLSEGAPFLALVGQPPNLLQGSVVVV
GLVLPDPASVDLWVCWSLALALLELPPLLLGACAGTSARVAVPAAYVGPQQGSRRTGG
GNLGAVAVPF

>comp5667_c0_seq1; 556 363 1790 LEN=1824; translated
MPDTLLVKKLSENATLPVRGSEWSAGFDLAASRPQTIPAGGRGIVHTDLSIACPPGTYAR
IAPRSGLAVKKGIDCGAGVVDADYRGPVGVVLFNLGTEDFEVQKGDRIAQLILEKISMAA
VEEVADLDETGRGAGGFGSTGVSDPPAGSHKKPKTGDIHRAARPVSGNRNTRRVGTRAAM
DEIKAAF GASRITNKPAKKRRTIRRPDALVLNHI VDG FADHLGRTEPDFEFALET FDDD

FMEDNYETFDFIKDYSGYESEEDGLGRRFKARVMCDYDINNRTVVSEYFAIDNIYFEALS
YTKEGFQARNHGISWMKIYLSKQGLDQFVSKFEEVWGVIKDSLFTDDEQGLVSLPVSF
DEEDPPVWTLNVLVLPDGNNGNENDEEPGFGLLEEWGTVPEVMRPPIDYRSRDRRGIYLTGTGIF
TMSFRVVADGATVETLEAIRDDREYDWGSPLLGRIDLRLVGTTRVIRETRVLPLT
>comp5667_c0_seq2; 457 363 2040 LEN=2074; translated
MPDTLLVKKLSENATLPVRGSEWSAGFDLAASRPQTIPAGGRGIVHTDLSIACPPGTYAR
IAPRSGLAVKKGIDCGAGVVDADYRGPVGVVLFNLGTEDFEVQKGDRIAQLILEKISMAA
VEEVADLDETGRGAGGFSTGVSDPPAGSHKKPKTGXVSRVEKSRVDFDETRRVEFRREK
WNRHRHQIPRRILDRTVSKLKGNSNTNKL FHVTL SFFYRFLRLHLTPVQPNAMPASFSDS
IHRAARPVSGNRNTRRVGTRAAMDEIKAAFASRITNKPAKKRRTIRRPDALVLNHIVDG
FADHLGRTDEPDFEFALETFDDFMEDNYETFDFIKDYSGYESEEDGLGRRFKARVMCDY
DINNRTVVSEYFAIDNIYFEALS YTKEGFQARNHGISWMKIYLSKQGLDQFVSKFEEVWG
VIKDSLFTDDEQGLVSLPVSFDEEDPPVWTLNVLVLPDGNNGNENDEEPGFGLLEEWGTVPE
VMRPPIDYRSRDRRGIYLTGTGIFTMSFRVVADGATVETLEAIRDDREYDWGSPLLGRIDL
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>comp5668_c0_seq1; 286 110 1006 LEN=1395; translated
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CHARGVMHRDLKPQNLLVTRDGRLLKADFLARAFCPPIRPLTHEVVTLWYRPPPEILLGS
QTYAPPVDVWAIGTIFVEMVTKRPLFPDSEIDQIYKIFRLLGTPDEDVWPGVTHLQDWN
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>comp5668_c0_seq2; 185 1 1250 LEN=1639; translated
XYVHGIGPRKPEKNKNDICIACFLMDGP IALENGSPYKSFTAEATGPVVAMYWDPSVTYVL
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SYQKIEKPDSALGEGTYGVVYKARDKQTDEIVALKRIRLEVEDEGIPSTALREISLLREL
THENVVELKDCVQELGKLYLVFEFLDKDLKMYMESCSGLLSPLLKSYLFCVVRGLAFCH
ARGVMHRDLKPQNLLVTRDGRLLKADFLARAFCPPIRPLTHEVVTLWYRPPPEILLGSQT
YAPPVDVWAIGTIFVEMVTKRPLFPDSEIDQIYKIFRLLGTPDEDVWPGVTHLQDWNAA
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>comp5669_c0_seq1; 314 1 740 LEN=881; translated
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EDNGVGVGVDDIDCNDDEDDIDRNDDDDDIDPPAFPVPDPKRWKPLGAGRFRRPEAPLG
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TLQQYK
>comp5671_c0_seq1; 480 135 1379 LEN=1426; translated
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VGKSTLFNALTESQGAEEANYPFCTIDSNVGLVKVPDEKLENLSELNKSVKCVPTALEFV
DVAGLIKGASTGEGLGNKFLASIRQCD AIVHVVR CFDDEDIHVDGSVDP IRDAELINLE
LAFADLAQVEERLSRIRKEQRAGKADPAEQAALEKVC ALETDKPARFADLLEEEELAIK
SLGLLTRKPMIYAANVADADLAEGNEMVDRLEMSVTEGAKIVVSAQVEAELVDLESED
RTEFLESIGVSL EDCGLRALIREAYDLLQLQTYTSGPEESRAWTIRKGWTAPKAAGVIH
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>comp5671_c0_seq2; 257 1 861 LEN=908; translated
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PMIYAANVADADLAEGNEMVDRLEMSVTEGAKIVVSAQVEAELVDLESED RTEFLES
GVSL EDCGLRALIREAYDLLQLQTYTSGPEESRAWTIRKGWTAPKAAGVIHTDFERGF I
RAETVSYDDLIECGSEAAAKSKGLMRSEGKDYVVQEGDVMLFRFNV
>comp5671_c1_seq1; 836 1 1825 LEN=2132; translated
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TNDGATILSQMEIHQQVARLMVELSSSQDDEIGDGTG VVVLAGSLEQAEILLNKGIHP
VRIARGFEAASQVAIQHLEKISEKVEFSKDYLDPLLTAKTTLNSKILQPYKEEMSKIAV
QAILDVADLERHDVNFDMIRMEGKTGGSLSDTELVNGLVLDKEFSHPQMPTIVDNAKLCI
LTCPLEPPKPKTKHKLQIDSAEAYDELYNQEQEYFRDMIQKIKDSGANLVICQWGFDEEA
NHLLLQQELPAVRWVGVEIEHIAIATGGRIVARVEELTPDKLGTAGKVKQLSMGTNNSR
QQDRILLVLEDCANQKAVTVLVRGKNMIVDEAKRSLHDAMCVVRNLVKDNRVVYGGGSAE
VSCSLAIKKHADTVTGVDQYAIRAFADALDDVPLALAENAGLAPIEEVTAIKSRQVKEGN
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ISHGNYQ

>comp5672_c0_seq1; 345 119 1248 LEN=1248; translated
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GRRLIHIEYDELEDSLLPPNGDAEESNDTASRRRDawnRARESALERMERELRTLGNERN
LPPSPLPPDGSGGALASHVVLMDDNFHLRGMKQIHRLLLLGYRPIRFGILHLDTPLLEVCL
ERNRNRSGRRRVPDDVIVKMATVLEPPRAAWEAGSAMTIVGGSGEDPGEKTLIEDIVRFL
EQCPAIVEVPPEAPIDPEQLAADRARTRESRVHNLDRLLRACVGTVARFDKRRAGAANAA
RKKLMEDFRAGCIDFATVDSGDGGVADAFLLDLVVPMEPPDANTNANTADADSTNPEEYGS
DAHAPSTKRSQLGELLX

>comp5673_c0_seq1; 212 83 466 LEN=966; minus strand; translated
MNRNRPCNVCYLRGVSIIKIDGAGDGNVSKFPVDAIVGASDVWASVGAADGAADGATDGAD
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QKGACDM

>comp5673_c0_seq2; 347 1 1479 LEN=1618; translated
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LDGDMKLSEDEYVLFISKRSRGEIGADGYTELPFSLISTFIYGSCFCSYMSHAPFCVGG
AARIDLDSSQSKFIEDNLITICRTVDEAIKNEIGTFGPSPTIEPSFKPSDVTQSPTSAPS
VAPSAAPSAAPTEAQTSEAPTIASTGNLTFEFPSPAPSI FIDTPPPEPDALACVNFQY GIR
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KNRLTIVNLGRFGLDEYYSPQGERISSILAVKDEGKKFRRRTAYLPVTTENRISNMDSRR
LVFYTDSNPPVISSIFDN SHCPELRIDGIVCSIVDTKVCVTLEEGDDEDDVKEALLD GIE
KSFDDGSFASAIP

>comp5674_c0_seq1; 277 402 899 LEN=899; translated
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>comp5675_c0_seq1; 488 68 1388 LEN=1388; translated
MKFASSALSLVAFAASATAFAPISRDSVAVPSTTSLSETDAMSFDFVVPVRPKRVARKVEV
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KSGAVLLPTVSDTPRTDYDSIKDYFDGFLKKQPQGEILSGNIRIGNGWCQDAGIYEF TMG
AENGAKVKGRYTYTYVMEDGVWKIAHHHSSVMPEGID IATPITKEEVQGLFHLWNDALAT
GDSSLVASRYASKGVLLPTVSDVPRDDFASIKDYFDAFLLKEPQ GKILESFVTITGNWAQ
DVGIYEF TMGATGAKVKARYSFVYTYEDGQWKIAHHHSSQMPEEVVPGPASITNDQVRGL
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ESYVTVGHNWAMDDGIYEFTX

>comp5676_c0_seq1; 187 124 654 LEN=1147; translated
MVFTI IQDPFDVGCDEDSQLDQNVMGNEHPRDKYTKGLGDRYEIGSYNSNAASRTGGMN
QLRNDSDYNATKCYKSKTAHKTNGLREDRYSNL CDANEC SRVIMTNNGM PRASLDPYDMR
ISATGHTTNNNKYSRMDRTFVDN NHCMGEYDNFKENE EVAASHIDRYECRMDKYSC

>comp5678_c0_seq1; 468 100 1419 LEN=1534; translated
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VYTS PNDGKNLNRVFP GSADGSPTER IADFLVNEIYPLADGLLDMHSGDANEQLG P SYTA
YYGKAGSEDI IQKSKDMAFSFGLGLVVEFQWELQGNSSKVSTFSGAIWAGSAAVVRGIPS
IDVEVAPGMGAAPSGSINDVYQGVQNVMGHLGMFLEENATTSNDTVEDDHPCLVTNRRFI
DAPTEGSWVALVNTGSFVKEGTL LGTITDFSGRNTIFEAKAPCDGLLLIRFETPPVLAGD
TVAVIAVLGDGSDQLRSGGQFRLDPSKVGALVLWQWSAAIGWLVALGLSIFRRSR R NG
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>comp5679_c0_seq1; 300 268 927 LEN=1858; translated
MPVDIISPDPGKTS PATVAIDVTASYPNGVRELKQLLQYNEQLYMPEELMMANDS I K VWN
LDDDDDEDENPAEKVQPKMFRNDPFRVSQEARRMLINRVSI EESTDGIHQDHRLAAAAAA
AEMVVEETKEDLMSPLYIPSEPIAPEI PRRVSSTLPPRRPSQSPVVLDRGTTRTVVLD
NDDL DIGRHAQPGAEPNPRPSHRRRGHRRNHSHFDFQF

>comp5681_c0_seq1; 306 653 1708 LEN=2130; translated
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KCITSDMVSFHIQLYAGGFKNQESITVELQRRSGEPYFLRVCNKILDAADGGQIQEETI
PARKKVPLCIMKMPVAKMKCIQGVNKP DHSQEPRRCMNRSLQILRSKEKDFDVEDFEVLC
FLTDPLKTRADIVTTICKGILQDHHYSFIRDAIENALETDVVLLLEDYESRGRLDAGGKLR
RLATILMSNVLAQTSSDGCLANAIQNEKWFADFLIPSLSDEVKNFEVSSNNAYE AISGLN

HMAACSEIARHLIKEECSLDDLRSANDFAVHNHKL LASET KLSL GILGYLI
>comp5681_c0_seq2; 403 149 1471 LEN=1893; translated
MDFNDTNTNDVTETGGTANVLFGMKREGLASMEETQPPLRAVSLLDRTTTGLQCSTDSKN
EGKEYTKNSKRMSLESKSR LTSNRNGAKDMWEECSWKVSSLSEIPLDYPLERTRRGICNA
SITEVVNRISKCLRLLSIEAKFENEYGTAKCITSDMVSFHIQLYAGGFKNQESITVELQR
RSGEPRYFLRVCNKILDAADGGQIQEETIPARKKVPLCIMKMPVAKMKCIQGVNKP DHSQ
EPRRCMNRSLQILRSKEKDFDVEDFEVLCFLTDPLKTRADIVTTICKGILQDHHYSFIRD
AIENALETDVVLLLEDYESRGR LDAGGKLRRLATILMSNVLAQTSSDGCLANAIQNEKWF
DFLIPSLSDEVKNFEVSSNNAYE AISGLNHMAACSEIARHLIKEECSLDDLRSANDFAVH
NHKL LASET KLSL GILGYLI
>comp5682_c0_seq1; 654 98 2176 LEN=2357; translated
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ANDEGECRTL GKWF PNAI LKSI SYTNTGQFITNKNCQKENRQMKANEEDLIVDNPRSSL
VLFYQYTTNDGSSDVTNERNKKWDRRQLQLLITYLSTIAHRRNLGGRI RVATEGVNATI
SAVDTTECTAKAALRHFAEDLRRFDP RVFSHTDFKYLDLDPADRQFKEFKIFPVQELVFY
DIGETDAPLDSKLVK KYGNNSNSESEVSGGGIHL DASSFHEMLQKDNTVVIDVRNNYET
ILGRFDGQQRQKEGPT EKIDSRGCSSSGTNGGAEYIDPKMRKSTDFKSWLAKPTTQEKLG
NKTVLMYCTGGIR CERASAYLRSEM KDVKVGYQLKGGIER YLKQFKDGGFWRGKNFVFD
KREAVGVDNPHGDGGILRKVERRQRKMHEKKT EGSP LTA KCCVCGDSWD RYVGGKKCLTC
GVPVLMCEKCM SLKPKDTPGMELKVRCP LCV EGVTVLAKELVFTANGIKNKIVSSAKAA
ISGNSVEKVS GDYRNKCEIVDKEYESKKNLGGTGKAADSVLKWGGGHAINKKLKKMKRR
VCQFGAECVRKDCFFYHPQRESSFKATTEGQK
>comp5682_c0_seq2; 281 81 1378 LEN=1559; translated
METXPLGSFNLHNNRVTDL PADRQFKEFKIFPVQELVFYDIGETDAPLDSKLVK KYGN
NSNSESEVSGGGIHL DASSFHEMLQKDNTVVIDVRNNYETILGRFDGQQRQKEGPT EKID
SRGCSSSGTNGGAEYIDPKMRKSTDFKSWLAKPTTQEKLG NKTVLMYCTGGIR CERASAY
LRSEM KDVKVGYQLKGGIER YLKQFKDGGFWRGKNFVFDKREAVGVDNPHGDGGILRKV
ERRQRKMHEKKT EGSP LTA KCCVCGDSWD RYVGGKKCLTCGVPVLMCEKCM SLKPKDTPG
MELKVRCP LCV EGVTVLAKELVFTANGIKNKIVSSAKAAISGNSVEKVS GDYRNKCEIV
DKEYESKKNLGGTGKAADSVLKWGGGHAINKKLKKMKRRVCQFGAECVRKDCFFYHPQR
ESSFKATTEGQK
>comp5682_c0_seq3; 531 98 2261 LEN=2442; translated
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ANDEGECRTL GKWF PNAI LKSI SYTNTGQFITNKNCQKENRQMKANEEDLIVDNPRSSL
VLFYQYTTNDGSSDVTNERNKKWDRRQLQLLITYLSTIAHRRNLGGRI RVATEGVNATI
SAVDTTECTAKAALRHFAEDLRRFGSICFELKTIVIFIGILEIXPMNAFP SLDP RVFSHT
DFKYLDLDPADRQFKEFKIFPVQELVFYDIGETDAPLDSKLVK KYGNNSNSESEVSGGG
IHL DASSFHEMLQKDNTVVIDVRNNYETILGRFDGQQRQKEGPT EKIDSRGCSSSGTNGG
AEYIDPKMRKSTDFKSWLAKPTTQEKLG NKTVLMYCTGGIR CERASAYLRSEM KDVKVGY
YQLKGGIER YLKQFKDGGFWRGKNFVFDKREAVGVDNPHGDGGILRKVERRQRKMHEKKT
EGSP LTA KCCVCGDSWD RYVGGKKCLTCGVPVLMCEKCM SLKPKDTPGMELKVRCP LCV E
EGVTVLAKELVFTANGIKNKIVSSAKAAISGNSVEKVS GDYRNKCEIVDKEYESKKNLGG
TGKAADSVLKWGGGHAINKKLKKMKRRVCQFGAECVRKDCFFYHPQRESSFKATTEGQK
>comp5683_c0_seq1; 173 379 1101 LEN=1500; translated
MSKAGVDGALIVQPINHKYDHRVYTDALKGHPDKFKGILLFDPSESDPDAALARFEELVL
QGYVGVRFNYPYLFEGKMCENEAAVKIFKRCAELKFPV GIMCFKGIDLHYEDIESLCDTSP
ETVVVLDHFGFASVENQDQFEKVL SLKNRNTVVKISALFRLGDPGAPKYERV RTERFEPL
LEAYGPDRLMFGTDFPFVTQEEIGYQGA VDTVLSWSSPEEKSAVMGGTAERLFGVWGVN
>comp5684_c0_seq1; 226 1 871 LEN=2028; minus strand; translated
XMAPGAELTHAPMEPDMVPGTAYFEVMKDIAHTLDFLMPQYNGYVRSYVDFAGALSHFT
TLANELFEGDASKIVYGFCINDCGSFNLDG FQSAEVMKWLAGEYPCNGGAFFWVANDDFN
GNWSTEVNNQIASDADLCLDQSPVDPVPAPVPNPTLSPATFSTQNPTVSPSPKPTSLPTQ
SSTPYPTSAPVVNPTNQPIPSPPVSI GSAGCCSN DYKTCASWCNESRQKCGSPMCASMVW
LENGSLSSDTCVSRWGACTNDVSSCCGGLVCKGESRWYKQCLAPNDPAPN
>comp5685_c0_seq1; 221 144 1220 LEN=1809; translated
MPESSTAGNEMPRPLRIVSLIP SATDICVHLGLGDNVVGITHCCDAGDVPSSALVVTE DQ
VHASSNSQGD IHAKVVENGQKAVETMETNTRDASDPAACSLTTEEIPTLYPINKELLKKA
DPTLIVTQDLCHVCAPSSATVFRALKEAGIDARVVLLTPMNLGDVVENMQQVADAAGISR

RGKELCDELARANLRLLLGDTVVRKHKRPEQANKKVLVMEWVDPFPCGGHWIPDMARLIGTEL
AIDPNPDGRSRRVTWDEIERADPDVVLVACCGFDLERNLDDASSSGKHFGRLRSNREGNL
YAANGDQYFARPSPKLLTGAVVMALGAYNERDEPDVVRAIRDLPFSSRAFDSIEAMEF
>comp5686_c0_seq1; 793 271 2039 LEN=2194; translated
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ESSSTTSSAQTVSLALHNLLEKPDFGSELPLILIRLAGGTTFDLGQVTDPSIATGLRS
VFEALEIYGKVKQSSGMWFMQNPCCATRRDELVLLKVIKIRSLLEIGLMEELAKFENKQ
RVEKEEQKQADETLKPDERRKKMEFTLKILEKFLKDATLGSQATLTCMTIVEGESVSVD
GIPDENLKTALLESLEKCGLEKSEIEEDEDDEDDDDSDSPLMGYGLPDSDDTDNDIVQM
KLAIMMSACREGPPKRKSIGPTRPMTAEQQALKKMPENNRKEEEDNDEGPLLPGEVR
KAPGPAMSLEMIKAQAEHRELQLKATASGVPMPTNAGGREEWMIIPGEHDFLSGIKSGQA
IKSRGFQNKSRDADKKSQPIHPAVQAEMDSIMQAHQDARGPSLMDLHRSKKSQEKELAS
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>comp5687_c0_seq1; 1006 84 2600 LEN=2732; translated
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SMDTEDRYIALLRNEDELLEKFAQVNVKYQDLLKRPAPFMTFVFCGMQSAGKSTIMERF
LNSVLNIVQQGTGTRCPLDATCIHDTTCNTAVCELYGEELEPEDERGDQLTVNDVFERITN
HNKKLGDEDRFSTEPYLYNRSANVQNMRFVDTPGIISNQSTGKDNREDIKSILRSEMRRK
PNTKLCVLLPEKFEATNPILDFCDDTLGGRKKWIDDATFLMTKFKDKLEDARTSTKANDF
FDEFFLNKCRPHLVITPTLDREDLPPDKLFEERTKLIQKADVYENDKFEQWREGHERYCI
ENGGVEDPLHIDIETKIGFPSAKKVMREIMLKDTIERLPEVISSLRNDLDKYNAEYKNLE
DKMKFNDPQNLNRNVTRMLFQVQDRILNYLDGDLELSLKFDPKQLTLDDELDEEEDSEWS
TRSLNHHSEKEDHWRGRVSNLDEFDEIYAASRFLGGKQYQRALEFFRVIMIDALPDPFQ
LRDKVANLTGFLSGGLQENWERAMVEITRVCLKDVSHPLNYVIKHIGSIFRRLFPAL
QDVKQGERFSAEFKQIPAAVERFLQSEFDSVLWNLKKNASNEVHSSMEPMYSSIDPNLPT
FHCKRLVNHQKDLFVKKDQKQFVSVDEDEKQFENSWLSSFKHRAVALINNSNNSAKLF
LKDENRKRATTKSFLPDERAAMITKEETEMILQRSFEYIVGLMEFNLIIVFRFQLNYHLF
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>comp5688_c0_seq1; 55 1 322 LEN=965; translated
XNKQSFLDKTQIDNRRIRSIKPNRIVGNRRNRNRMSRSLGFLPRGGPAVAMGIASLTFVG
AVFYSHDSQVRDRETMKAGVERDKERIKQKRAKQQQRPQQSLDHE
>comp5689_c0_seq1; 185 83 394 LEN=787; translated
MIPKINKIFSDKIPELDEKQEDLLHQVKNVRTTPRDARFPAQNQALHCWNRVNEWLVCLK
QSGDDADDKCQVYRQYSTSICPDAWIENWDEAREENRFQGIKI
>comp5689_c0_seq2; 185 180 491 LEN=884; translated
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>comp5690_c0_seq1; 697 1 4075 LEN=4181; translated
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KAEKISLCRESVRTLVYDVVYSLVHRRERLQRRRKYQRKRMHSRRNKPPPPPSVGAEMQ
VVNGNCTRSETNGKNENTSCRVSSTASKVQSDISNGSDRFESDDGRNVLARGFVVSREG
DGPPPTGMKAGISYLHPNENVTFCRSSPVIRRLHELVGDEVLRITILLHTRCFLPIVGDCH
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SHPFSQRIENQPSHPHPNGD TDYRFVNLVFDLHLENKKNQRRIRKRLEGNGRAVCEKLW
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VVSFLGSVLRQVFPAGFVWGSERNFQSVMASVRCFVRLRCNERLANKNILHGISITELWL
YPTTKHQEPRAAGENPLGGANESNDRQTHSRCRGKNKSGRKQRTNHEAATELALKALRWL
FRGFI IPLLRSFFYVTEFEFSAKEVQYRKPVWLSFRALSVRKLT TAPGTS GHRSRHSIL
PKGQAHNLNRGQTLGLSRLRFLPKPTGMRPIAQLSRNVPIRLSLPTTAEATAVVTEGRFY
RKRSLASDSQGNDRPGKRANTGSSTITATGNVMGPDVHPSTEPKPFSEFSPSEL SHVF
SRLPTNVILERVLVLTLECGRRKRPYNGMDNLQEFYTRYRNYVSHIKQQFLQEGSGSN
KMQLFFAKVDIEKCYDNINQHLYLLNLAQDLILNNTYVIQRIKLD SANFGGAENATRFQTL
VDSVDDYQSFHSNKHALARRSRSTVFDLTKCTLTERKKILDLLREHLLQHTVVTSGRYGR
KLLLQSGISQGSTLSMLLCNLYYGQVEKLMFSEDGHL PWSNSTANAKSTPTEPAMHLI
SRFVDDFLFISPDKAAFQGFDRTHEGITELGARVNSKKTLVNVR SFVQRNADDGRTQSI
SLSVSSKLNRSVLFPCWGFDFDTETGEVFCDYERFQGGKLRDGITIDYDGN EGRKMEF
RVRTFVYPRCLPILYDSSINTFETS VGNFYQMMMLFAACKTAEYLRGHI THNVDHVVR CIR

GLPQYAVWSIRCRFEKSPGTTQDFGAVFAINGHLASVLSWKAFCDVFSYLQGFVITREL
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>comp5691_c0_seq1; 663 146 1972 LEN=2272; translated
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LALLLGAAIVGLYLFQFAELMQSMPEISSRISHYRLGGNLLNLAKEIDSGMAGGEAWEED
EDQDGTKKHKYKRKKKKKNKDKKNKNKDNNDNNASIPTGVWPVSVRDEEFETMIHVGDLET
VMKVPRFWSPVHNQQRFTREQARKIGTCAVPDPSNGSSARGEDCPPDERTIFVGIASR
DFECLRTLESVFHRAKNPRRVRVGVVDQIVEGEDVRCDEPVKPCGEDPQQALCKYRDQVD
VYTM DAPLSVGPVFARHLGYRLYRGEYYATQSDAHVTF'TTDWDADIIEQLEATNNDMAVL
STYLT DVQGSIGPNGNSLRNTRPIMCNTYYEGGPQGLHLRHGSQPERTPAIHGTPQLQPW
WAAGYSFSRGHFLVNVPHYDYLQSMIFQGEEMSIGIRGFTVGYDFYAPERSVCFHHYATGA
NTKVRKKVKHFWENGSRYAGTGKKAMKRLLGIVHMNPEVDPSEWDHTD VDRYGLGAVRTP
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>comp5694_c0_seq1; 765 141 2091 LEN=2492; translated
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KEEEKEDDRGDAELYIVSSASKNVTEDPSVPFETPMVDDDGIVTNRKPTSGPARTGERDV
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>comp5717_c0_seq1; 770 1 3724 LEN=4178; translated
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>comp5718_c0_seq1; 127 1 1259 LEN=1259; translated
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>comp5719_c0_seq1; 502 112 1185 LEN=1221; translated
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LNR IHPKPKLSFVVS DLM DPESPAWTEHVPRATIL TMYFATDGLEKIRPLLEQALRGKRC
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>comp5719_c0_seq2; 332 112 1332 LEN=1368; translated
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>comp5720_c0_seq1; 178 1 495 LEN=609; translated
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>comp5723_c0_seq1; 109 233 405 LEN=405; translated
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>comp5724_c0_seq1; 260 233 932 LEN=932; translated
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>comp5724_c0_seq2; 477 1 1707 LEN=1707; translated
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>comp5725_c0_seq1; 389 104 1267 LEN=1405; translated
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>comp5726_c0_seq1; 153 1 353 LEN=609; translated
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>comp5728_c0_seq1; 445 116 1435 LEN=1528; translated
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FRNNSGLSRRFDITSINYDHKGKAFVSTIEPAMEARN TDL SKPSPFPVPYGVQYHPEK
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LYPMVFTYPRRVGHKFEKEYILPPAKHWTDKIEALDNSDFRDRNPEDDGESEEAANSWYRD
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>comp5729_c0_seq1; 558 340 1617 LEN=1830; translated
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VLTEAELDLQSACGGDGETGIDEGRLAIVKERLVRTARATKFQAPTIEDDNSKTKSKGSS
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HVIVQNRRGGPTVTEECLQFGADLAIFYSDLRNEEKAEVTAEPKHIIQKPRGAPLGAVKL
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KKNQR

>comp5730_c0_seq1; 485 68 1219 LEN=1590; translated
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>comp5731_c0_seq1; 1081 161 1963 LEN=2351; translated
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KKTFFHKWWDTRAKEMAKAALEAADSEEQAALDPSANAKKDTATDNDNENSEG PSSDNGE
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EQDVLWDFQKTRFYAFFTFVAGIVAGLIGIGGMV LGPLMLVMGIYPRVSTATTATMIVL
TSSSVAILYITSGMVPWQYAVTFFCTCFTGALIGKTYIDGYVKRTGKASVLIFLLAMIIA
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>comp5731_c0_seq2; 1081 257 2059 LEN=2447; translated
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APKPASGLSQASIFGASLGGLLLNLRNMHPFTAKIETTAVAGNGSPAEEERAVADVPTND
DGEPTETTKYYTRPLIDYDMALFLAPMEMAGAVLGVLIIQKILPNWLYLFTA AVILGF
KKTFFHKWWDTRAKEMAKAALEAADSEEQAALDPSANAKKDTATDNDNENSEG PSSDNGE
VEVTASASMAAEDNDENNEAEIVMDSEKIAKRTWFLERDARQYPVEKMF CFGVLWIGLTL
LTFKGGKGVESLVGIDCASPWYGV LIGIQFLWTLGFATFFAIKLMRETTQKKAVNYPFH
EQDVLWDFQKTRFYAFFTFVAGIVAGLIGIGGMV LGPLMLVMGIYPRVSTATTATMIVL
TSSSVAILYITSGMVPWQYAVTFFCTCFTGALIGKTYIDGYVKRTGKASVLIFLLAMIIA
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>comp5732_c0_seq1; 511 350 1798 LEN=2062; translated
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NAYTSREQTAYFAKVFKKDVVAMEIISDILLNSNLEPQAIEREREVILREMEEVNKNQE
ELVLDHLHATAFQGTPLGRTILGSEHNIRTLTRDQLVDYITTYTAPRMVVAGAGAVDHD
ELCGLASECFGALPTESPALSSDSSYEPATFTGSDYRVKFNS EDVGYMAVAFPTDSWTS
EYAFPLMLMQLLLSYDRASGMGHNYASNLCQDVAENELCYSLNTFNTHYKDTGLFGVYA
VCPDNKIDDA SWYIMNNLIRLVHVS VGDEEVERAKVSLKAAMLSNLDGHNNVAEEIGRSL
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RY

>comp5734_c0_seq1; 311 352 1587 LEN=1888; translated
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PCAPIVWETTNRFAIKMVEWAKVQQSRGALLEDPKEIAAMQYIGNTSPHLLGPVEALQ
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RDLLENILVDNENCLIDMGMCLHVPYNDPAIPGNVVDARRGSTRRLMRPQGVCGKHNY
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>comp5735_c0_seq1; 264 83 1003 LEN=1191; translated
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IPLMRNLIDRMRMWGYAHTMAAVFLLDATFVGDTSKFLLSGSLLSLSAMIALELPHTNVLT
KCDLLTDEEVEDILDHGSATQMWDREQDRQSLIMPTPFVTAASSNQGDEVTEEQRRLER
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EANDDT

>comp5736_c0_seq1; 335 240 1220 LEN=1309; translated
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GVSRDDGRRSSSSSYQGGGRGRGGRARRDTPYRGDPGSSFRGARGDRRPSYYGDRDDR
GGGRGGQQVIMGLDIQALVDRLVLRPGCDIYRELGITRESNMAVFQSGKAVTAIISNLARR
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>comp5736_c0_seq2; 303 952 1773 LEN=1862; translated
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YGDRDDRGGGRGGQQVIMGLDIQALVDRLVLRPGCDIYRELGITRESNMAVFQSGKAVTAI
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>comp5736_c0_seq3; 705 952 4047 LEN=4047; translated
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SKNEVTFSSAISACEKCGQWRIALDLLDQMKKEGAGQTAIAYNAAISACEKGLVPHKALE
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KGQMWHKALELFREIESSGGKPSIVTYNATMTALEKGLQWERALDLFDEMKSKNMPVTVV
SYGSAISACEKGLQYRQCLEYLDEMTEMGIKKNVIFGAAMSCMEKSCRADIGFQLMERM
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VKKNGGIRFDLEGYTRFKEEETTANKFPDVVQQVRPRFRPARPGQPPGTFIRDGDPVP
PYRSPDDKRELDHPVDRRSFSFRKSRDDRFPDRGPDSARPSGDDRMPPDRASSNYGRTGE
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DERDGRSSMSRPDQSYSDRRPSMDGRGGPRAPRPGPPQNMHFQDRHSDRGSRSSSGPN
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>comp5736_c0_seq4; 737 240 3494 LEN=3494; translated
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ACEKGLQYRQCLEYLDEMTEMGIKKNVIFGAAMSCMEKSCRADIGFQLMERMRLLEDVAP
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VTGYGKTRSRGARMNDDGMRLRVRAMLKYMEIHETPQPNKGRIHINKSALIEVVKKNGGR
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KRRELDHPVDRRSFSFRKSRDDRFPDRGPDSARPSGDDRMPPDRASSNYGRTGESPRNNQD
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DGRGGERQHEYDERRGGVRNWDSDGRDNMRSTNRDYDPNLRGQAGMDRRGRDERDGRS
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>comp5737_c0_seq1; 508 110 1429 LEN=1634; translated
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PAYATGITDTLSYMNSDFKSAQCVKIYDYQQSYNSGNRELKKTESKNEAEQDGKTEIDEN
TDKEDRNLQNNYGYGYNNGYDYSYGYNNNYDYSGTPLSILYYSHACFIQNYWDPDGGCP
DPYGKLEYQENFNKGVRRMSMKVDTYVNYRANMKIGQRYVIGVFLFMTAVAMLATEQYM
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>comp5739_c0_seq1; 192 98 670 LEN=1107; translated
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GESDEVKVI

>comp5739_c0_seq2; 234 98 814 LEN=984; translated
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>comp5740_c0_seq1; 473 327 1490 LEN=2071; translated
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APFSGTLVWVILGSPFVNSEKPSRRQIMACCLIIILGEVVAMFGDHTNDEGVTVEAVRK
SYKKPSFISYFVGLALYIALLMYWINFSESFIFRRFAWGCSSGGAITGCQNFLKDSLTIK
ATEPDQKLPLIFYPPLSLFAAGTAFVGLLLLTACMKRYDATYSSASFVGSFVVSASIMAAV
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>comp5740_c0_seq2; 481 327 1493 LEN=1924; translated
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SYKKPSFISYFVGLALYIALLMYWINFSESFIFRRFAWGCSSGGAITGCQNFLKDSLTIK
ATEPDQKLPLIFYPPLSLFAAGTAFVGLLLLTACMKRYDATYSSASFVGSFVVSASIMAAV
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>comp5741_c0_seq1; 502 1 1516 LEN=1570; translated
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AKERATGGENSMSWNEHMARNIMRVGKRRKMKARTAAGEDSDEEVERMKRHLDPYHLNES
GSGSSAKRAAKQLEKEEQDRRRRIDRYQKQEKITSMCSWWINSSFAKHRLLAFGKHVS
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>comp5742_c0_seq1; 237 86 268 LEN=268; translated
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G

>comp5743_c0_seq1; 485 247 1152 LEN=1577; translated
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DMKLAGVETEFYSYKADYMKAAQGMIIAFSLGLVMMMLIVCSVPNGGILCVMQWKCYGLF
FFLTSVFGQLSLLIFSSSVCLDNPILGVIDDNEKIFGRLGDTFEETCEMGI GAECGIAS
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Q

>comp5744_c0_seq1; 251 214 792 LEN=934; translated
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>comp5745_c0_seq1; 200 1 958 LEN=1315; translated
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TDFASRVGVGAVTGGIAAYISCPMEVCVIRMSNDSLPVKERRNYKSLPDTTFTRILKEEG

VSAFWRGSNPFVARAMMVGVFQVATLDQFKDFYAKALDQKRNSISNVFCSAMTSGLIYSL
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VTMFI FVQMLRDQYKGFMM
>comp5748_c0_seq2; 219 1 533 LEN=714; translated
XALTADLSSCTLPATKVLFFVPSPDSSRRVNPVGHKYLVENSWIITPATTIASTPSPTRH
KTSRNNMEKASATNDLDERNSSSGSVNEDKAKGVTDLVSDMLLEMENDFKKSNGSIRDRMR
EMGSKLDGLEQSINGLMHDAGLIDGEEESPDSNPSRRPPTNSSPRTTMTATSDSV
>comp5749_c0_seq1; 430 182 1534 LEN=1592; translated
MALSTKTKPSVDRCPMTMSIATTLTDFSSSSSTELSSSTSIDERIKQMAERAKNGTPFTED
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TLAVESSPSDASSTDFPLSAPARQLLERI IKEGNWDGAVRNANRSDRPADEKSWAVLVT
GVNGIRKTTSMYQPWFGLLSEAIICPATCGASETQKQKAPKGLPTGSNSFFRQLDHMICT
LCNEEFTRLYAWSTSQLPKVEDDGKPIPSDEVVDQYSKYKAAIFSRYRTISELLGALLLK
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>comp5750_c0_seq1; 434 108 1664 LEN=1853; translated
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MLLKHGKGLQKVKKEYSLPTSNGEQELVDRLRYFQCMWDAELDTIYTPLRPSSELVAKFK
KKERLQREEKSRAMMTGSINDSKHMKNLTSSLLNDNTRKDQKVRNERKVSATSSGNAQFD
IKFRSNFEALIAQGRKHMKGPGCPRRVYDDDNIDNPAPTNSLGSNEKISPNIDGSC
AQIVANINVRISNRTHNNGVTSVGSSEVHGSSLNRKKRPLVSPCTLERKKNTLCYTAKES
LGASESNIFNGHSSKIASNQTTSSGQLRPSKSKQKGTVINNPYRKKQRRSPSKAKADIQDK
GGNSSCAILPFQKRKFQTCNTLGDGGKRSSTVLAQENITNGNTIGSNRRIHQNKTDSSSL
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>comp5752_c0_seq1; 422 39 488 LEN=657; translated
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>comp5753_c0_seq1; 214 213 782 LEN=905; translated
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SPPNSESEE
>comp5754_c0_seq1; 293 106 1161 LEN=1161; translated
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NSKRSLMLKKSISNFSWTKLVHSHRGASTASNVDNRNNAATVSGGTTTSTNPPRECGDSA
ANNAAKAALPTPMGSSSSAVTTVPTQIEQPIPGSITTAAEVSVCSMDEASSVSKLSLQSS
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>comp5756_c0_seq1; 447 261 1667 LEN=2251; translated
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QLPLKVYYTGDGEEDRANGFAGMHRDCKALRYKVHKPMCDLPLLRMVRQSEATIEGTTI
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SFKLSCAGCLLFGHEPNGFCLVASPSFEAIDAVREESLRSKNRRADGPLHHDHAHFVAGL
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TQNGTKHGSHRKPAPAVAPGDVGDPESSWVFIYDGGSSLELDLPGGKRHLGETSLEGAIR
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>comp5757_c0_seq1; 1148 337 3945 LEN=4023; translated
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FTKSNILCLPRNLSNEDLTHMYKNEIVTMRHDNEGIDNAFVPLAKTKRKGSAIATESF
DYPKALITQEENLVAKSAAYSSFGSILTLMAKKEWTSARIVLLGVTHLALELYQLLKR
ETDTVFLSNPHPSKEDLQSKIPSDAFISWDEAHKSKEEWDIMVFCQSCPSLDESVISSI
RTKAVISVSDLLPMDKRRREEVLLTLVKRDI FEAADGISDLGEIAKVFLAGGTTFSFN
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VCAKQSYENRNI SDEEGLGSQIDVVQGSYERLNSDYSNFFDGCMSQDAFIHAFTKRSAFL
EAFRVTKGGGWLII SDLMRGDGKDGNEEMEAFVKDHNITSWATPNECVQLATEAGWSEVR
FIDCTTEINVS LHGLLKKIKSMIKS GEYEGRN LQLLKT HRVLSNRIGQADRGI FKWGII
SGRKP YD VVFMSEPPVSPESRSMINYSVNSLDGDLKFGT DVLV VNI GEKLDY EKIMELPS
TTRLIVTLSAGLDHICVKA AEER GIRIRRA AREAIVKSVADYLLSNVIFGLRNGFQNVGV
PFPGASWDLTWN SDGVDLDCSKIGF IGMGAI AIE TAKRIRSLSKSCEL VYHVP SDIRCRF
EEGTHHMYHVGIADLLSTCDV IIPMVPLTTSTTGLINYS SF SMMKRTAIFINMARGKVVE
TAGMLRALDEGLVRHAILDTTDPEPLPPDHDLWNLKNCTITPHFATNTTYVRKELVEDIP
NQVEDTLEERGILRLEEQRMRHELSDAYRITREFGLDELVWNHISVLLSDGSFLITPGSR
MFDDVGPEDLVKSSGNITADI IHEAVYKRRSDVKAIVHLHTPASVAVSCELEMGFVPLAQE
AAPF IGRVSNHPWHGVSNDREEQALLGEAVKNPKTNTLLMENHGFCTFGKTLGEAWVLAY
YFDKACQ TQLSCLQTGQKIRYPS EDVLAHAAEQSVLPEFLPGACEWDALRKMLTRKQGRF
RR

>comp5759_c0_seq1; 1018 161 2122 LEN=2312; translated
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KGVPKFEFIEIGHKSWKSSKDSKSGGAGNEGDTMYAKDAKSSKDGKKPKSYGSNGNTNK
QTKAPSTVSSYPVAPTSSAAPYSSPSTPVPTMLGSFGVK IPEYSLAYNLLTTLEPTNKEL
SELEVATTSYLDFFVDFDKDDFTVFEVFTTEIVDSSTQ GKVVVVSFGKSVARFDGLSL
IAPTSEQLDSAVVEAFTGLHMIQYEDWLKQMLPSNNIFIGSKVQYLQDDEGIADKARRGI
GATGIAASAVAF TLLVAGAVLYKSKSGDREGQTDKLNKASGDMTVAGETFAGETYDGTFA
GDTYDGTASVSAASIDYVRRFDGDEEDGMKKNLGA IPEKPGWDDSDGGENGEPYSGGGI
PANKTGTA FRKGVTSAPRTASFEDVALQAPAYGSGFRHNIMPDPSSSEDDQS QMSDSELS
QFVASTRQVGTHISGDNTLEIKSLLSMDSMDDHSSGLSVRDNSSRRLRTVAEIEALLSS
ELNDDNGASNTDGKEPETS RPRTV EIE SLLTADDD ESIVESPF SDEDESIVE

>comp5760_c0_seq1; 166 889 1101 LEN=1543; translated
MDMSDLCGRTIKVS LAQQNQLNKLMSMGGGKGQAIWSSDEWFQEHVVG GSEEDRQKAKE
AAQDRETLKD

>comp5760_c0_seq2; 280 258 713 LEN=1155; translated
MSMESSNTSGDAGIIVTSKRAVYVGGLEDVTPQILRSAMIPFGTIKSLDIPMDYKIGK
TRGF A FVEFDDPEDASEC I FNMDMSDLCGRTIKVS LAQQNQLNKLMSMGGGKGQAIWSS
DEWFQEHVVG GSEEDRQKAKEAAQDRETLKD

>comp5762_c0_seq1; 221 103 570 LEN=1438; translated
MTRAEYGSNSVNVEHNETTNLIDNEGFMKSMSETDSNGGASNNNSDDLYESETWREYLL
SWRFLELVLCVVPVLLMGMYFEFVNPEPMTDRPIPFQYAKGGSTAMVEEGIDASSDFHRS
EGGDDEYKSYTNI IWRSSNLEENTGETVSHVAYIVW

>comp5763_c0_seq1; 1030 107 2740 LEN=2740; translated
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KSEATSSDSGPETGETAEAS P SPPPLKNQKTMEFQAETKQLLDIVTHSLYTDKEVFLREL
VSNASDACEKLRHLQSASDSASDLTFVDKERPLEIHI ELDEVESLTI RDGTIGMTPADI
VSNLGTIARSGSKQFMNQLEQARAESSDDNGALDAAKGIIGKFGVGFYSAFMVADSVAVT
SKPATVTDGEDHTVSVWV TSEGIGSYELAEIDDSDEGGNTQRFDRGTTVKLFLKEDYWGLL
SESKIKDVLNKYSNFRVFP IYVNGDRVNTVEAVWARDPREVDEETYSEFYKYI ANAIDEP
LETLHFRADAPLELRALLFVPSFHSEKYGMERMEPGVSLYSRKVLI EHKSPDILPDW MRF
VKGVDSEDLPLSISREK PQDTALIGLKKALTRRFLSQLEKMAKKQPEKYVDEFYREYS
HFLKEGICHDYEFQPVL SKLLRFETNKNTTRDLISLDTYVGNLRPEQDKIYYLTAPSREA
AAMSPYLEAFEANVEVIF IYSAIDDFVMANIGSYEGRQLVSVEKSDIDL SKFEKKKDSN
DDKADSDDDKDKTSDDDNDSETKLSATEAIDVCTWMKKT LGDKKIVSCRPS SRLVNSPAI
VTDNESGMRRMRMVDNSDGRDGMPLPAQNEINPSHPIMVGLHQLKETEPVLARVLAE
QVYDNCLVAAGLMDDSR TMLPRLNDLLVSLVKGAKDSKKS RERGAHLWMHRRVLLQESAR
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>comp5765_c0_seq1; 1010 132 1904 LEN=2026; translated
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AAVAVTC PQKSEVVG RIMSSESQIQMKGII ESSLELLEDYVIEENDDFNVEDDPEMIF
SEEAGEFGVHETGKANHEASLFHANHLKQSSDADPGELEQALAEAKRELAAQKSVMTDIR
EDADKAQSKLRALVEDLQDR LAKRQDELITSEEELRDATNVLDDLKSRVGELEEEKAQLA
DELDLASAKANQLHKA EATVMA YKKKLEGVGMNQMTDLEDQAAGYLRQIMDLEGEVKK
TATLQRQVDSLQKRLGDLEKQKNDSVDSLKSSSTTEISELKD TLAEAEKAKKLYMDELKEL

RAQQAADSEVDIVGFETPAQVSSTAQRERTMRLEIENTKLLKSEVENLKKASSSGEPVTT
VSNAEVENLHNQINALKEQLEKKNNAENKKIVSDKDKLEAYTKRTLAKFQDKYLVALQECK
AKLKEKQDKIEVLESRSATEKSAQKREERLLSSTIFELGLSIMQNRLKDR
>comp5766_c0_seq1; 125 1 698 LEN=1618; translated
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SAVTGHSVKIWERDFVFRGVVAADSNVNGETKPPKCPPKERNWISMPRIDDHNVVNFLLD
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>comp5767_c0_seq1; 456 1 978 LEN=978; minus strand; translated
XRESLKKLEILKRQLCGGDAFDKDRVAIDVHLCARCGVGDVQRRKEADKTIAAVGDILNP
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RVIATAPGEKIVAVFAKDAVIALAAAHAVIACACVDGVLTGAAADVIRAIIAKDQITAKA
ARYAVIACAARERIVRPPCDHVIAVAAQDAIRPKAAANNVIALAAVDGVIARTTADIIV
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>comp5768_c0_seq1; 748 342 2117 LEN=3023; translated
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NNIQNFQIHQHPYQQQQPSYNYRQQHQHQLHHQEYQYQPQNQQQQLAYYNKQNKQQESNN
TTTVPPTVDELTAATPVELETNGLSFGSIAMTDDEMHLLQQAATISRNNPADQQYSIEN
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MSGGTNFSNFQMKLDPNAGGTSFGTMSYNMLNNSDPNMVDGGLMDVVGTSTFGSMSLDKN
SRDNLFRFRTLEIAGGGREVPMPFRNETKAFGNLLDCSDTESESSRDKDQLTKQKSQAWAIM
KTTLEKQTSKDLMPPLGRAPHENNAPQSSVTSGNPHPVFDNVEIALPTTTMEPNLSTL
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>comp5768_c0_seq2; 733 1 2012 LEN=2918; translated
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TSQALREGAPDIRKKVAAAITASTSGDSNSGFMNETVTSAQIPVPPSAPQHQQTDATDPS
KSLPSNGRMTARESQQLYQHQQQHALDNSNNNMYGRNGMSSGGHGHMNLNERGRMVQNA
VMMANNGMNVNGQHCEQSNNNIQNFQIHQHPYQQQQPSYNYRQQHQHQLHHQEYQYQPQN
QQQQLAYYNKQNKQQESNNTTTVPPTVDELTAATPVELETNGLSFGSIAMTDDEMHLLQ
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GGLMDVVGTSTFGSMSLDKNSRDNLFRFRTLEIAGGGREVPMPFRNETKAFGNLLDCSDTESE
SSRDKDQLTKQKSQAWAIMKTTLEKQTSKDLMPPLGRAPHENNAPQSSVTSGNPHPVF
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>comp5769_c0_seq1; 301 184 975 LEN=1241; translated
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VKISLTNESEGNLVKVQNEAEATKQRILLEAEGQAEAIRLTAKAQAEALELISTQINKKG
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>comp5769_c0_seq2; 574 132 1373 LEN=1639; translated
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DQIAYVIDVRERAIDIEPQAAITRDNVSVSEVSGNLFVKFQDPEKAAYGALNPLYSVTQHA
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DKQAAAERDRRENVLRAEGDKRRAQLTSEGVKISLTNESEGNLVKVQNEAEATKQRILLE
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>comp5770_c0_seq1; 263 39 1184 LEN=1337; translated
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KTPGKGESSIWYEVNLILEGEPSTRNWDVVIDKGCLDTFFLFRSRQGAQNRVYPESLRLV
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RLPLPPMYRATLESKQCCRINDNTEAGAAFRNDINSKTIIPGKESVLSPGYMFVCTRND
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>comp5778_c0_seq1; 339 70 600 LEN=765; translated
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>comp5779_c0_seq1; 405 158 1568 LEN=1568; translated
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>comp5781_c0_seq1; 259 1 1336 LEN=1511; translated
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SLLVLDLDDNKLSGSIIPDQIGMLTNLQFLLLNRNQLTSSVPSHALAKLEKLRVLLLDNNR
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>comp5781_c0_seq2; 678 1 2448 LEN=2623; translated
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VFPPPMGQVGLCNQNTQEI VGLSLISNNLVGTLPAEISLLTSLTYLES IENELGGTIPY
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GTISGVI GALE SLLVLDLDDNKLSGSIIPDQIGMLTNLQFLLLNRNQLTSSVPSHALAKLE
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>comp5782_c0_seq1; 716 1 1791 LEN=1866; translated
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INNNNLRSDFCQMPAGGSDSCGGSNNLRSHREQGLKKS PSDTATVTPFSVSSLPLSLVNA
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YSALFADAFHPEASHPSADKTS ENENNNKSNNSAKSRDHGNESTCEADASNNSGTPHPEE
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NVFVTIGFPMQTYMTMLRERRIPLTLLPLKIGDLTASLVQSELDDENCAAVVG DASGPA
RVTVKWPNDVLVDGKKISGTLIESSDWFLVGINVAHAPTVPPTTGKDYGRPSVSLHEY
CGPQQNQQQQSDDDAITEAAQIEHARDLGVGLALGIHRWIQNDPSEKDGTAE SIVEGW
KRWLDWDAELTLRNDNDADQSRKTVRLVDVLPDGRIRVRHKSGSGKEEVLVSDYFV
>comp5783_c0_seq1; 108 185 691 LEN=1193; translated
MMWKRTPMNREREAAILVPLVSCEGTISLLFTTRSSRLPTHASEVAFPGGHRDKMNDVSL
EATAIREAQEELLGKYPWEQVEIIGRASPLPSPSGMPVTPVIAVLP HDIDPDTFFGCPSE
VEDVFCVSL EELLEVE TSEW SKRFQNSAPVFHALNGKKIWGLTAIVTR
>comp5783_c0_seq2; 123 185 604 LEN=1067; translated
MMWKRTPMNREREAAILVPLVSCEGTISLLFTTRSSRLPTHASEVAFPGGHRDKMNDVSL
EATAIREAQEELLGKYPWEQVEIIGRASPLPSPSGMPVTPVIAVLP HDIDPDTFFGCPSE
VEDVFCVSL EELLEVE TSEW
>comp5784_c0_seq1; 242 37 609 LEN=875; translated
MMRISTLATIALASFLCAKTQAFSMRMGPEKQTSMESRRGFLSTATAAVVTAALNPIQN
AAAAPTIYNLSNGIKYAITQDVTKGSYPEQGDIIAIEYTG YLSNGAIFDATHSQGKKNAL

LFLKLGSSAVNEGINSMVSEMKGQKQVQAIIPPALAFGDKGICLENGECLVKPGATLVYDI
FLKKASIPPP
>comp5784_c0_seq2; 221 37 417 LEN=1000; translated
MMRISTLATIALASFLCAKTQAFSMRMGPEKQTSMESRRGFSTATAAVVTTAAALNPIQN
AAAAPTIYNLSNGIKYAITQDVTKGSYPEQGDIIAIEYTGYSNGAIFDATHSQGKKNAL
LFLKLR
>comp5785_c0_seq1; 527 135 1593 LEN=1593; translated
MAYLNRIAILAATYVAANWQLAFARRQREVVANNEHNHRRQLIEAYDSFVLYLKMTEYEN
HDEETWCCEIPDSIAESLEIGSLVCNFEQVSQEFINMSGAISGHYIMKVQGAIEQSLTT
SEVTMVPSEATVIVEKIAEKDLRHRRLASSLGTQNVLVVRVIDSNGAAQSSVTQLQND
IFLDNQCLKTRYEECSFNQVTIQPAGVGTGGVVDVTLDPVTSGLNAVLYATERAAQRQF
RASQYDLVLYCLPPGTGSWLAFAAVYGYQSYNDNFCSSMSALVHEVGHMGLGHSGRGG
DEYGDTSGMMGYSYFYDDYPRQCFNAAKNYQLGWYNNQRIAINPLALSNNRETYILNGIN
YYSTDGSSPNKIVTMRLEIYGETSGTDYYIGYNQAVGINSGTTTSINEVTVLQKESGDPN
SYGRSWQVASLGIGETHITITNFRNSNTDVFITYLSLSGNDAAIEISTLNPTPQPTAPPPP
PPPPPTX
>comp5786_c0_seq1; 285 175 645 LEN=1257; translated
MNILNLTNDTPLEIEIEQLQMDLEAPLLGKNNNSYTADDSCVMSFHIADNSSNNSNQVSK
RKKSIAKNKKKPKQLMIHVNEDEDLDQSSQTTECQVLNCSFYGGLALGIILQALSYYVNV
FVMPMLQANDASGAGSGAQDALRIPLILGLGLARYW
>comp5787_c0_seq1; 184 713 1333 LEN=1741; translated
VVLNEDGTGHFLNKTDPIDEEILKSPLAKDLFKIDGVKAVYFGRDFVTVTKRAEAKWQFM
RPEIFSAALMDFEFENPNKVLDDKPQITDTTILEDDDEIVAMIKELIEDRIRPAVQEDGGD
IHYRNFEDTGIVTVQLAGSCVGCPSSTITLKQGVENMLMHYIPEVTAVVAQEEEEDEGE
APFGEEPKKQKTYEERLAAAGIPFSD
>comp5787_c0_seq2; 351 1 1035 LEN=1443; translated
HNDSLRTAPSIHHTTHNKIRFLQEVLDIRSPGGCRSFLARRWRRVSASAVSNKGQGERA
TTAPLGVATRGFHLSMGDAFGSQPRTGQTPSQHFQNHNTLLFNYNRNGNSSVQIRTVFV
QTEENTPNPESIKFLPSNTVVLDNEDGTGHFLNKTDPIDEEILKSPLAKDLFKIDGVKAVYF
GRDFVTVTKRAEAKWQFMRPEIFSAALMDFEFENPNKVLDDKPQITDTTILEDDDEIVAMI
KELIEDRIRPAVQEDGGDIHYRNFEDTGIVTVQLAGSCVGCPSSTITLKQGVENMLMHY
IPEVTAVVAQEEEEDEGEAPFGEEPKKQKTYEERLAAAGIPFSD
>comp5788_c0_seq1; 353 211 777 LEN=893; translated
MTNMIKDVFDKQVLELKKLWANKRQLLFQLLNLAMIVFSALMIWKALMCYTKSESPVVV
LSGSMEPAFQRGDILFLNNSVEQVGVGDVVVFKIKDRDIPVHRILKVHQDGPDRVELL
TKGDNNRVDNRGLYAPGQLWLEREDILGKAVGTLRYVGMVTIALNDYPVLKYVLVGMGL
FVLTSKEG
>comp5789_c0_seq1; 426 103 993 LEN=1062; translated
MKTKLSTLLVLQLVFAHATTPTWAFSPQLEQRRASPSAVFASTEDVEEMFCGPLVSSRRN
WFHGIMVTAASSILVSLPVAEDA VVAASEAPTPLAMKEFVDPAGLFLSLRVPQGFYTLRR
TQKGDLPDAKTGKGRGSSIFTAGNMAKAEVIAVERFPPSRVLEENGINEEATGDLSTFPGI
GDPKAVAALIIVRREKDNQQTQTKTLDSELVTPDGKTLTFRKTEIDVQKPELLLEQTGL
SRLFRITVAKATLDSNDGNIMAVFASGLEQDYTNQVDGPALEDSVNSFQVTNQSQS
>comp5790_c0_seq1; 483 132 1653 LEN=1653; translated
MEDSGVEVAGGPVNAKRQRKRIEKKKKMKFLFRKVGRQIGKRTGRGKQKVEYFSSHADKS
MIEYSLDQYQOEIAERGHQEEHRQGRDDDEWIRSPDLAGGIRTNTANGVNNLEGQSIEVD
SYFNPFNWMSLTSESTPENEERKEINEDEREGIEIEENDGYLADQEKEKTPERIGRKA
NKIESAALENMERYSVHPDTSIQDAEARQVRKIKKHSKSRSSMPFASRVKSSGRIAKHP
PKVLTKETSGSPGDASIVLVSSVKRMVAANQKKAATLVTSVRSMLLSSEYKSPKLLL
SVRALIHDAESKARKRRFAWRERGRITRESKAKMETEKAKEFEDTPPMGVVLLKSPSFD
EESEASLHSDASNHGERSKDNGTDEYGTETETEWDESAGVIIHDGGTSSETSEDYVGESDW
DGLTRDSVYSTGTSFDHECTRDATYSTGTSFDHECTRESAYSTGTSFDESDFDDDESSLE
EYCATVEVVRDVAEESDDESGDDDDDDX
>comp5790_c0_seq2; 269 137 656 LEN=656; translated
METEKAKEFEDTPPMGVVLLKSPSFDSESEASLHSDASNHGERSKDNGTDEYGTETEW
ESAGVIIHDGGTSSETSEDYVGESDWDGLTRDSVYSTGTSFDHECTRDATYSTGTSFDHE
CTRESAYSTGTSFDESDFDDDESSLEEYCATVEVVRDVAEESDDESGDDDDDDX
>comp5791_c0_seq1; 105 154 648 LEN=1480; translated
MKPRRRSPFRPLPAACPAPPLLRMTCLLLTLTLTLVLSMAPGALGFGFGAATGKCGRTS
TPFVVPGHPLSLFGRNRTPCAKRPLRGILPLPSRSGDPFREPEPEEEEEGAAPVPSGGT

DPGVPPQDGFDEGEGFAKYLLPYAVALVGSVLATAALFRFVLLDY
>comp5793_c0_seq1; 487 1 1031 LEN=1186; translated
XAGNDSAGNDSTNDSTNDNDADNDSTGNNDTGNSTGTDNNDTNSDTDDKNNKDSNETDN
DEDTGSNKDSGNKDGGNGNSNASSSSRPGNPDES LAKALGLDKSDLACMANSTGFIDRS
ETLQGAEEKEYQAMAQLSPSIHQPKKVGYPAEASEEMERVCKAEGGAWFIVPRGDVTCESK
GCIHVYVNFNCVADTDSCAYMDPMVLVRFVFFKEVLGLNCHAGCDDQEHNDVYNKKYDQKP
SGTAKPPAASPKPQTRAPHATPSGSGNLFHGASQAQTQAQTSASGTSMITAAFAVCAVLG
LIGFGAVYHKKWSGRSGRQQLRQGDIEMMGNNDNEHDLWFRPIS
>comp5794_c0_seq1; 439 204 1670 LEN=1867; translated
MPQTKHEHLCSTIGTSTTLAESTLASPDSSSNRSEFITENTVCGGSPDSDRDESGSRVSDS
KNELVSQLEKYNDTLASIFTPNHSGPNDTDIGTGSSIVRVAPDELKIQLLGTGKHCQV
HLVTASLSQTGDRVGKAKYACKSIDPERVISVKDFLDAASDLASEAKMLSELDRHRIKI
RGLCSKPFASFTDTPVIPSVTRQGSYPKGTSTNGIDGFFLILDALKETLGDRLKRQRAE
AIEKASRKRAKNYNPFKKVPPCDMTAAVTNADRLALYERIKHVVVGIVSAMQYLHSRKIV
LRDLKPANVGFADNEDVQLDFGMTRPLAECSPDEACGSQLYMAPEIMNDGRYTLKGDVY
SFGVLLFELCSLQAPYAKEKQMMIKKYQPPQPKSGLSVLFRKKYRSPDDGSNIRQKSARE
VSMILVFDELSEKVGKHHLRPAEDFEELKALIPCERLCVLIQDCWSGEPPEARPDFDQIQOR
LNEIFAKQ
>comp5795_c0_seq1; 249 843 1364 LEN=1605; translated
MTSSPEGGSDAKEQPAEPTPSRQQSPSTNNKPKPATKSAPLRSTNASAKVTSTRGGPNRNK
PPVRMEATGGSSFEAMNAAAIAEEENAVVPATSMLAGLLPTLVAGLVFTTAGSMVGYVWN
SEWTE TASSVFSYFWGDETEDEASSPYGSNTNSATAEEYLGDFYNAAPVTPDR
>comp5795_c0_seq2; 249 711 1232 LEN=1473; translated
MTSSPEGGSDAKEQPAEPTPSRQQSPSTNNKPKPATKSAPLRSTNASAKVTSTRGGPNRNK
PPVRMEATGGSSFEAMNAAAIAEEENAVVPATSMLAGLLPTLVAGLVFTTAGSMVGYVWN
SEWTE TASSVFSYFWGDETEDEASSPYGSNTNSATAEEYLGDFYNAAPVTPDR
>comp5796_c0_seq1; 244 182 625 LEN=942; translated
MFALRRTTISATVGSTGRKSSLSLVSVTAPDETRSEQYEDRKNVFQTLFTTRSFFAVPS
PPQSSVDVLSIATATAANQWSYCWKSNFSSTTAPAFSLLDQLQQPMLLETLYRKGIYLIS
TLKRRRKMNMNKHKLKRRRKNRMKNKK
>comp5797_c0_seq1; 309 387 1001 LEN=1308; translated
MGIGRRLMAEVLEAFPKKEEDEAAGISAQERKKMIEDKVYHIYLDNPEDVGGAHTRWMSGV
VATDDVEKYCDPLFNKNPKIKREKELHKNEPESEKKASELFEQALYQSIDLPVVDIAIK
FFFSNGFLSGLVFSYKIIPEMRQLAAERGEPEGNMSVVVSRCSVEGAECTHYIPLSKGIGF
HAGQPSTEDYQEVFLTKGLALLKL
>comp5798_c0_seq1; 505 176 1660 LEN=2069; translated
MDDQTLESSGSAITPRMSICLKASRDDPDMAFLTEIEDDGFSLEDNNAENDNPPSKDEP
SSTSNHRSKTRRSLSSSSILLTGTPHSILSPSMSYDSVTNTTTTKMPTEDETDTQFGKS
RQRGKRRKPGNDRVRFSESVHFRNYMHVTEITSEERAAAWF CGSEYRTIFRNNMRIIRSI
AKREKELKKTIAKRKKEEQKLLKLLKKNKGKHSNNSNELGSCSDCGLCGDKSDLYWEEII
SIERDEEQGYSVIRGIENEIPKRRKRDQVYLQAKYTI LSLQADLDAHMEAMQDEYEERMQ
KLI EGF SRTKNGK KKKHRRNSFSMSSSAQOMERDERTEKEIRDITATNKFOFAQYAQS
QYNNMIEAIAERYSEICKQHAKNALEAGCGDERTARAIDWLEESSRRNSVAVESASKGVL
VDTAVLSDDADDKRRPSTSTVTDNETIIPPLSMR SIDEARNSDEVESLKETISKNAAS
RMKRARKFLRRLTM
>comp5799_c0_seq1; 302 648 1253 LEN=1327; translated
MGKDNVYDTGVDNVGTVPASLATFLAVEKMAAEGSPVQLILNGGTGCGFKRKGGAIGDVF
LTTGVANHRRRIGIPGFDKYGIGTLETTIDPTKIAEELGYKTGICTTGNSLDKTDKDEY
MMENDASVKDMEAAAIAWVAKMQNLPYMGVKVITDIVDGGVPSHEEFMENLMSAAKSLQD
ALPKVVVDYICNHNQMDVKEEL
>comp5799_c0_seq2; 376 186 953 LEN=1027; translated
MTIKHVLVPIVMEAEATPFVEHLELTQVEDFFPSQTPFLAFSGTHSETKVTVITMGKDNV
YDTGVDNVGTVPASLATFLAVEKMAAEGSPVQLILNGGTGCGFKRKGGAIGDVF LTTGVA
NHDRRIGIPGFDKYGIGTLETTIDPTKIAEELGYKTGICTTGNSLDKTDKDEYMMENDA
SVKDMEAAAIAWVAKMQNLPYMGVKVITDIVDGGVPSHEEFMENLMSAAKSLQDALPKVV
DYICNHNQMDVKEEL
>comp5800_c0_seq1; 324 1 686 LEN=998; translated
XXXQKKATKATIASMYSSSSFLILATAIALCSVDAWTATSSASSFGGRSLTSTTKQVVV
LGNGSNMMDKKGKANVPPQMRGQYARQQEMAAMQQMRASSVPGDDGLPVFNLFVRTTSQ
KIWYPCGSFKGDDRSAALAKSWSEGGMLSGISKQLDGGIAGSLYSDLAKLKDTVMRAYP

QLRKKSNEMEFQYKLAFLDGLPEDKAKQTFVPEPKPKGALDGLRNIFS
>comp5801_c0_seq1; 277 1 635 LEN=667; translated
XVNVNVNDVDVNVHTTAARGSIQKRSFSSMQELPPDDPQAQFKPTPPPELNMEMARG
IQSANHLILKHGKQRLLELLAREPEKSTPLVVKWQRMMEIYLGAQLHVVAALGYETSEQ
GIMLYTQQLAQFVGTCKDPSVQEDFRAKGRDTWREMLVVAFGLDREAIEEKYGNELSIVD
ARNIVHRVATALIEPEILEEVATRVSLVGVV
>comp5801_c0_seq2; 172 1 488 LEN=923; translated
XVCLFCWLAGWLADGLHRPGSNVSGGLSTTPELNSPRPKRFLPDPFPAPRLMRCATFATPP
QVGQLPPQTDPTQTEMGLKHSIIQDVVVNNVYLGGETPLTEELGFGTGSKGYALMQYVMAY
HESDPLCAQYTSSTMTKIWKAAGLDLGEANPVASKLPMSGPQ
>comp5801_c0_seq3; 376 1 917 LEN=1352; translated
XVNVNVNDVDVNVHTTAARGSIQKRSFSSMQELPPDDPQAQFKPTPPPELNMEMARG
IQSANHLILKHGKQRLLELLAREPEKSTPLVVKWQRMMEIYLGAQLHVVAALGYETSEQ
GIMLYTQQLAQFVGTCKDPSVQEDFRAKGRDTWREMLVVAFGLDREAIEEKYGNELSIVD
ARNIVHRVATALIEPEILEEVATRVGQLPPQTDPTQTEMGLKHSIIQDVVVNNVYLGGETP
LTEELGFGTGSKGYALMQYVMAYHESDPLCAQYTSSTMTKIWKAAGLDLGEANPVASKLP
MSGPQ
>comp5802_c0_seq1; 1786 73 4935 LEN=5040; translated
MGKKQPLVQLIPTTREVKPPRDSSDAKETSSDQLPQHFLDASRNPFGTTSSEPTSDGKYS
DTRLIWKGKQPPRNSRNETNVTMRNRSTTNTSESSKTKNSTSSCEESSDGLCSFVHS
TGSISLSAPNLSSSSPARKHDGLEWKIETEANSTSPGTGDCGSPISKRNVSQIAIQNFE
EIIELTREASDEVERKSKTAAARSKNRTRRSRQLSQKASVSEGSPESSFFSTSFVSAMD
EHLASRRPNRLPTGDSIEVRKATSQDHQTVLSTEAQVLVPEGQPILQPETPQRPEQMQL
ISFRSPSTINGLRRSRPAEAAATWFTVPPSPTWGVPEREENRTKEQIDKYESVPTFSEE
EANNESQEESEFVVKSEPKKEFSRHRNSKNTRQKHQRKRTHHTQRINKKKQKQKQEPYQL
VRVEESNAIEVLRQSNIEPRHSPKALSTAKKVLKMLSLRRHHTKSPSHSASEAPSINKLV
NIDEDNSTGAIELLSNSTIVPTTAPISITRGTASANYLSDNDDDDQSREDNILVDNTAA
PSSPLEENGKNTSNTCTVDNDHKLSYKIAGTCVSTPTLVEEKMSIEIKVAKTLLPINND
SRDDSSSSDLVEEAFVDDNMPLPDAAMGQSAASLFETSENRPSSCLDDPHSLDEKASNVV
APLENEVRKSVNDNSKHASSLQQHENGPTTKSPAIPVVKIPAPKDTVANYPTNYSNTTR
LVTNRDQSSSDSNASVSTGKVRQVKIQVHTGSGDGNINNIIEVSPSVASLSDSKLAVQE
PDVKQGTLAIAKPTNNESTPEKGGSPVVKDKKYTTMVVKPLQGAVSTKPVSTKAVAKHVV
RVNVLGVAGIVVDRNRCRDVTGYKLSAPPEQMKALVGISEPGRSVDNVSAFSGSLIHAP
MVGKERNRDTTSQRHIAVWASSHLGETPGSIVESNVLETDIADSASRVNLNLVALAKSDH
DWNHHAUVIGAAQLEITNEMMSDGNRTIDLVPVQTVAKDGPLSSNSNTNSLIKLRSTEER
KGIRKLLCEKVSDDWANQGRVSHLTAAYAIDPTGDSMIRIQVRVEEVHTSTDQEKIKRF
GSFANRTAATEETDDSSLEGFKNAFDPADFIGGTSPNSMDEGLYSKPVLELPSDFDEDEQR
AFQTVSWKEKLLKNQIEDIDEDPGCRVFGRNISIPSTSTSRLSVVKHFDDGLENIADQV
FDTNQCAGIRSDEDLFSLDRNETVTTMENYTEYADSGVTLLTREETVTAQKLLLEEMKEA
LGPVPSMTEMKSFAKELALTSGEYFFSKKVRKSENGVDGDNASVGSATPSAVLTSEESLR
KKQDDDNKTHSTVSYESEANRFSETKFDIDNDIAITAEEEKTLDSYQAVPVARNDGYKG
DDEESTLRDSTALMNEVVEEDENEDARHAGNRGDDKPSLPSVVENIAEVLISIQIQPCSFF
GTKEPAEVAFPNGTWDQNSVPRNPQTVDPDSDEL SIGELTATSLEKDEIYERNRKFMSK
LRLPTDIFSRNASPTPDDEQLGNHRQLVHRSSSVSNQDQSTSENYFSDYEDGASGVTSI
YDNSRSTGSNSTKQTKNEQRDLMRRRSDEVTKTSTTGETGASETNASLQRIEEEEEDVKSA
>comp5803_c0_seq1; 500 116 1818 LEN=2092; translated
MASFRSSXALALLAALAQPILSGRSEAEAPGHPGTAARGHFEAAPPVPRLTREAFDN
LPVPGKYLQLVPKSMPLDERESFEFFWDLATRAPESQPFLMSRVDCGREPGFCRALVG
PHVLEHMESTKTRFLLSTEFSDDGRIGINVFHQDSLDPNTVNTWVRYTISRREQESLLMGG
DDLPESRSGGRKNIALMLSDVGLGVRSDIWCFLGLAAEQDQDQVHLFLHDKSNSIGDGP
LCPMGTNIGTNVLHALANRRIFAIPGNMVLGTQWGSASLLKAIYVLLRYVYVYHPEFRGAD
RYFLVSENSVPLVDPKTLRIVSGPGYNGIDDNGNRQTLVVFQELLPGQPSPTERIDRYR
RLRPRYEREREPEEGSRGKGRGEQTTDRARTTTGHETPPHRLDLALSDFSIVETWMVLD
RAAGAWFAAHDYFAEFELSYSAEESYFVSLCRRFGLSHRLASAAHHTDAAPAAGSEHERP
ERPEESHMYTQWSTDFGTRHPDITLITQETLQRWGDGRDKHSFLFARRISEQTRIDL
PWIKDGADAASGVATTGTHHVTSNEL
>comp5805_c0_seq1; 756 231 2255 LEN=2367; translated
MASSADDYFGTLGGSLMKDLLADLQVDDNDWSLEQLEKELAYLDQEPSLVEQQSLPSLNA
ASLVVSHAQERQSSILPILPLEKNAVPLPPPGMGNSNAADAWSLSLQNFSTLSLQDDFLA
ADSARKQTRPPPPPPGLASLVGAEDYDVKEKQVVGPPGLGGGAPKPLPVQKVPVSAEM

SKTEPIVDPQPSSTTANDIPKEATTLPASNVPTMMPVQGTVVPPQPKPPSMMPLQGAVM
PPPQMNPPNMPPQGTVMPPSQMQGRMTMPPPPGQLLPPPPMGVPVQMPMQMPPAIGTPV
AAPVTGVVVGSAVSTPGPAWQTPSQVPMPVLHQPTAFAAKAYCNPYPRAPP IPATALASS
CMSGRDIAYVVHAIMKPLLLAGTSENDYYIQYIKSRVGGPGSDPINPRRIKDATHDVASR
TTKSKEWASEKSVLGHITKTNVARPRALIATPQPSTDQENKEQRQRANLWKARVYSDQAY
QAYQNVIDIWRAAPSKNGIPPQVQIHLVVKLMKCMGVVLDNEKKVYTVSTDALKLILKLDK
GRTLICRVLEQALLPPNAVQAMLPDLLDII IAMPTSSGKEMSNSAIVEEKTVGRLFQAIA
GIVPKLINITADTLVKCLEVAMVHGKSATRSIVRMGCMHSLQLKGAQVVPQDPSEDVKQAW
GNAERKFMSGLQGA

>comp5806_c0_seq1; 244 1 706 LEN=1116; translated
KEII EAETQLQPNNTSSSARMQQHHRFFLVAFAVLVSTLSQNQSLALLIPQQPLSPTTHG
RAGHRLQMSAAATPSAVSSLSPVTDASNGAVVDDLAERLKGKRVALYFSAGWCPMCTSE
PALASFRQAASDSGKDVEIVYVPSDRSDADGLERARAMGLCVSKERAADYKKEFKIWAG
SETLAFGFGRRSVPALVVDLNSDGKELAFLEPAESQGARCLGDWPLDDESNGVW

>comp5808_c0_seq1; 619 49 1767 LEN=1920; translated
MLVPFKYLVNPIAIIILLAGSVASATIRRKQSSIDNQNSDSKHERCLLQSDHPDRMTSFP
GWDQPLPSAWYSGLDYELEGGMIHTHYVLVQAEDHEGNDELPLIYWTNGGPGASSLFG
LLTEIGPLMLSDESLKTDAYKETGIPTPIYNPYTWTRLG SILMIDQPAPVGF SYCNDDDT
KNATSHSCGGIAWTDELTSLNAYTALQTFYKTKFPCLAKKELYLTGESYGGIYIPTLARR
IVEGNGKEDNSTIPLDLKGFVAVGDGCLGTETSMCGELGSVGFVDYWHLWFMAGHHQIPLS
DFRLVMKACAHSDKPGFLTTPNSKNDEL CRAAVSKVKEIGGFFEYALYDECTYENGLKW
KRTLGLLDSMSTSSSSSKDNSFVGGALNDYPCGAGPVLEAYLKLGPVVFDAFHRSTFFE
VDNAEGDFDYTPTEPDLQPFYKEMNGKLIKLVYNGDTPAITSFATQNWTSHLGFDETL
GHWRPWTIDGCQKMGYVERYEGMDFLITRIRGAGHMVPTYKPEASFAFLKAWLRDEDYPT
FDANCTDPESFSSAKSNRGAASSSSSFENIEIE

>comp5809_c0_seq1; 318 466 1662 LEN=2540; translated
MIQGRNLWIVVVLATFLGQESTGFSAPVTTNSRSRSVSNQRASTHLELIAAGGNFFDDF
RSERRDGGSGEDSGNGKDHHNRVRNERSSDSTKFVTGDDLHRLRHQVLAMRLELQEARRS
GDI GRVDDLERAIMKTQQVDAEFVYTVSLERQELALQAGDVIAAQRFFHEKAMDARSSLPQ
FQLEGLWVGKYGEEQGYEMINVTYHGDTLVAHKVTS GAKHVPRGAETFRVDLAPQFPTE
TLSNRNHNHRQTGSEPLLNQSQNDLTPIELGESAAKQWGCKYLQRFGGQGVASEG
YKDSQWMDGQLILVNEYFSFAWLP IGHQVFFGRPTAELVVKLMKDESKRESAVSSPARSF
LEKCWEETEHI EDELEADRSQQSSWNTNIYYDQDGC FE

>comp5810_c0_seq1; 375 682 1593 LEN=1593; translated
MSSTILYKFRASSTFEALPLPGAAARLFDVKKAIVKANKLDTGTMEFDLAVRNADTNEEY
GDESMLLPRGTRIVVQRLPAGRGQGF LARMARNEHGGMGNSYQQQHPSGYYTIDNQTR
ENEDEFV ESSSGAEKELAAALQAVTSMQAEGPTMVGGQAAAMGAVRGGRGPPRPAGMGG
PPTKPGFHQSIAGSNASKPGSSSHFRPNADPELREQEKKLQPKKRATGIPRTFLNLSAPP
QTDGNKEGADGEQQAPLLQPNKQGFKELVSRGGGQSESTAGTRRDLDYVLKLTSTTVPEH
LQCA

>comp5811_c0_seq1; 238 267 1748 LEN=1952; translated
MNDNRAFSSPGQSASASRRFRTAQFTSVAALALLAATSTNRVESFSAKIHKNHRPGFEP
QHEQPGAGLTVISHMRLSHRRTVSSSSLQSTSETKSGIDSSIAATNTTANQASVAKAER
AWTLAPISAENDMSLMDAMADSELQSDETEISLMSKLT SADVLGPLFTIAFVIVFLCNTL
LNSGEISDTFLAMDHLHQKLNVL SKISWFPQGQFQEAQLVVALVMAFSAFAQALTGFGFAV
AVGAMSSMPWLLHSELFGVITPVAATLGALVGFILLIPYAFTETVTEEEEPGLEWDQILPL
LIPCTVLTVPVGIQLNMMVDPLLATRVLAAALIMGFVGYKLVPTIQDALSSDESMADNEITS
LVATEPEPTDGF LQSQTAAAILFGSAAGIFGGAFDVQGPPLCVYGDAGKWSPARFRNNVLA
VVCLNSALVVAIDAAQGS LGGFYYSYFCLTSLPGVLLGIVAGQWASERIDPVLFKNLVLV
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>comp5811_c0_seq2; 375 289 1770 LEN=1974; translated
MNDNRAFSSPGQSASASRRFRTAQFTSVAALALLAATSTNRVESFSAKIHKNHRPGFEP
QHEQPGAGLTVISHMRLSHRRTVSSSSLQSTSETKSGIDSSIAATNTTANQASVAKAER
AWTLAPISAENDMSLMDAMADSELQSDETEISLMSKLT SADVLGPLFTIAFVIVFLCNTL
LNSGEISDTFLAMDHLHQKLNVL SKISWFPQGQFQEAQLVVALVMAFSAFAQALTGFGFAV
AVGAMSSMPWLLHSELFGVITPVAATLGALVGFILLIPYAFTETVTEEEEPGLEWDQILPL
LIPCTVLTVPVGIQLNMMVDPLLATRVLAAALIMGFVGYKLVPTIQDALSSDESMADNEITS
LVATEPEPTDGF LQSQTAAAILFGSAAGIFGGAFDVQGPPLCVYGDAGKWSPARFRNNVLA
VVCLNSALVVAIDAAQGS LGGFYYSYFCLTSLPGVLLGIVAGQWASERIDPVLFKNLVLV
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>comp5812_c0_seq1; 640 1 1949 LEN=2326; translated
AEPP IYPPEFYRVQQRQRDRNDATKPWRHAPNHTAVADASSWTHAERSWYRSEFEALNRD
SVFSL LLEEGESASTDTVLQWSDDQDEDFGLIKEHGRKRHQQGLYEYHVDVQSAGENGSN
QLLVLEAAWGNDAHVGNPSGKTGSTTNKSGDSASPGHRGRPEPYRPRLIVEPSLCHAFRH
AGAIANFSTPHVLVTHMNENWGALSSEVAGRTAEWGDIVRNWRALGGSGGCDPLELEELY
LDSPHTLAVFTTQHQUALFDHPKVHSIPIGVANQRGFAEDFLARLRSQKKRSDQRRARVGS
RVSPPGSETPHAPDRPQLLMINAFPSDTRAPQIEAVVRSFASSGHRVANTYKAGTGY
NELSRSKFVLCPSGMGYDTYRIWEALSMGAVPVLERHTYRYEAVGSGRGRATILRTVGDG
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FLERAYDDLAARSFAGGFYKELTSLYWIRFLESFLLLPDQARREPPQEAPLRRQSQTQ
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>comp5813_c0_seq1; 381 68 958 LEN=1437; translated
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VNTWRLNERHYGGLTGLNKQETVDKHGKDQVLVWRRSYDIPPPDCDSSEYYPANDPMYA
NVSKEDLPKSESLKLTEERFMVEWDANLVPLIKSGKKVIAAHGNTLRALVKHLDGISKD
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>comp5813_c0_seq2; 353 341 1111 LEN=1590; translated
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PPPDCDSSEYYPANDPMYANVSKEDLPKSESLKLTEERFMVEWDANLVPLIKSGKKVII
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>comp5814_c0_seq1; 401 68 1789 LEN=1900; translated
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LQODLESWPEPYRSCIRSNASYLKTIMERHNAIHYASMENMCTPFQQENSLLEFGTRVPT
MVEWNTTAKPVRNRYDALVKPFLKQHPYLEKYLHWFRGYEAQRLLLLTEDTNHVTGVEC
IFVGNECTSIYRQIYATR RVILCTGAIGTPALLMVSDLGNKESLCGVGQNLQDQALLARV
FIKAPSRKVEVASSNGIVALGHLNIPEKDCKGNCAVFQVAITDSVADASIIPSVVAMALR
WKFQNI FLMKLVENAFRCVRAFVRLAILCTPLGSILHYMTTTMIFLMHPLSKGSAISP
KDEESIREPKRLQNMSIQVDPKYL YDPRDMRSLKTAWDALERATHPSSFEIFPRPIFFAL
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VFPSMVSNPALTCALGYEFSRMISTELSKKE
>comp5815_c0_seq1; 170 201 512 LEN=970; translated
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>comp5817_c0_seq1; 423 375 1385 LEN=1458; translated
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>comp5817_c0_seq2; 465 204 1358 LEN=1431; translated
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YDGAANQGIWEAANMSNLWDLPMIFCIENNHYGMGTSIDRHSSISDYYKMGNAIPGLR
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RDP IEHVKSCLQEAGFM TAAEIKETEKRIRKEVQKEVKKAKEWAVPEANEVVEDIYAKSL
TPHDSTHPPFVRMPDMAKSFKFDV
>comp5818_c0_seq1; 490 528 2003 LEN=2120; translated
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VGFRNNKTKYIKQVAQILQEEYS GDIPSTADEMIKNLPGIGPKMAYIIENICWDRQSGIG

VDTHMQRLFPKLGWVSPDTKTPEQTRKQLESWLPREFWGDVNLWVGFQEVQQRQKIL
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EGALLEGLTK

>comp5819_c0_seq1; 442 227 1507 LEN=1629; translated
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CATTFFAKICCHCRERTASVREDETEQYDLRLLALALHRQLNEEGREKEREKERELKRR
ERRMWYFYMKPYSVVISESNLLRASGNSSPSDDLVPVNHTETETQAPSIDSDEDEAGENA
DKRRDFACTTACEEATLGGTTAFDEENLGCTIACDQADEHPTLCLELCDVAEGRRCFDGT
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HGGAWQCALSEMQKREEQAEQEAGESEPGNGESTETVATETSDSDAASRSESSGLEILHA
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CNEDTV

>comp5819_c0_seq2; 217 750 1647 LEN=1769; translated
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LSEMQKREEQAEQEAGESEPGNGESTETVATETSDSDAASRSESSGLEILHADSSDSEQH
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>comp5820_c0_seq1; 325 348 1204 LEN=1355; translated
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AGNKGVDAYPSSLVPIKIDKELNEIRTLVRSNGENKPSNEAMSQALAILQQPTYEKVN
FKKTFNKYGDNIYSDPDRANLYLGGGATPKTEQSIAYLLRNDVLTNMENTLRAELEYLIK
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>comp5822_c0_seq1; 603 1 2007 LEN=2476; translated
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PSFADFL E IACDKNGTSSSVDPSTNKAWCGNGKIEATRRTFQASVAGTRPIRRGDTLVEV
PREFQIWEIDALRSDFVESENLLKARHEQTGNPLAGGAFLAAYLAHERKRLTERS NRQQN
LEMAASANASKDELRESYLQSLPSWEELSAYHPILVSQSDLKSMLTPHSLNFAVIIMYKV
MVESEYKAMAIVSPKGFQQITL E EYQVARIHVLSRSFSPGPDACKAEVEKYFRPDDLER
VKSTWGMRRSSKSTFEDGCHAMVPI LD TLDSHPRPNVLYTYDSEKQAFVISA KSKISPQYE
LINSYGKYSDSLFLAKFGFVNGDGSYQASMA LFHRPFDI LMGEDFSLMPNVVMNGKDD
ESETQSLMDETLNHQRKEMKRYLTMD DGYDDCIQKDLHPEAFKLRKRLKLMHLIRMANDPS
SWIATLQPRKPRSRPRESINLLISEPPKFNPSNVQVNLIKLMNTCRLIVLN EEDYDGRA
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ENAFGNSTW

>comp5822_c0_seq2; 653 1 2190 LEN=2311; translated
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PSFADFL E IACDKNGTSSSVDPSTNKAWCGNGKIEATRRTFQASVAGTRPIRRGDTLVEV
PREFQIWEIDALRSDFVESENLLKARHEQTGNPLAGGAFLAAYLAHERKRLTERS NRQQN
LEMAASANASKDELRESYLQSLPSWEELSAYHPILVSQSDLKSMLTPHSLNFAVIIMYKV
MVESEYKAMAIVSPKGFQQITL E EYQVARIHVLSRSFSPGPDACKAEVEKYFRPDDLER
VKSTWGMRRSSKSTFEDGCHAMVPI LD TLDSHPRPNVLYTYDSEKQAFVISA KSKISPQYE
LINSYGKYSDSLFLAKFGFVNGDGSYQASMA LFHRPFDI LMGEDFSLMPNVVMNGKDD
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SWIATLQPRKPRSRPRESINLLISEPPKFNPSNVQVNLIKLMNTCRLIVLN EEDYDGRA
IQILEDNLENKDFVVPMEGKALEYRSLKYLGRMTASALMQYTPVKMKQEFETVRQLNK
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TDILDKDLN

>comp5823_c0_seq1; 306 1 1052 LEN=1504; translated
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EAI RQGPVEGDPDEL R KVRDLDEYNDEPISINTNTNTIGSHHSNAVGHGGRNTSHGNTVV
PSLSLSGSFAPEPDPENNFSGTSNCCGARSHNAPCRERGLATGIDPVYNAIPGLHLEPS
PLPPPTQEHTDNDDL SAAEFDFPGVIAAAPGDRSRSRSPPPG SVVIDVDAESSCDDL S
LAEFELDPLPFFGSHDKNQSNQPVFRPGLPTAVLPAGGGANNYHNNKNKNTMPMPQRTKQN
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>comp5825_c0_seq1; 838 200 1819 LEN=1979; translated
MAPFEDGVEAMTLPENRFVDTI ICTTDDHQAEFWMRKLTPTPIGGAASVFLVVAVSED

WSGSGGAGNGLGTLYAWEKACAYASEHVEGGPDLRALLAEGSISAALYHTAGKGTRMAPL
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PSHHIDIMCTLLGDTAPTAKWTDQGLDKYGVIAVLKESGDGKVAEAAQVEKVSHEATK
MLGELGTIAQVGPSLGSFSVSAAILAGLCEEYSSELTQKQGMMDTPHFWMPLTLPEDSY
VQLMSQKGVDSSTSKVHYQRMKAFSEKFKAAANAGSAFGLFGAVDVGKDACWWDYQQLKLY
SKNSLLLLDDKNPESKLLRKFLGIKEGPFQGFAPSDVMNHHSYAFDCNIATGKMRNSLL
SHVTAREVNAEGAIIVNCVAPKITAGKGAIINYNIIGEREIVAEEGKVMVAVSSEDTGTSME
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>comp5826_c0_seq1; 754 96 1727 LEN=2323; translated
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FKEPTITPSAVQVEEMGLSKAFGSPNGAMRKGNWGITISRDTIHIKGIELGYKNQVLFER
HAVGGEYAGWDKVGEGLTLLTYLPEDGSPFVVDKRDLDENNVVVVYHNPYDNVKDLA
HLFFKRCLHKTVPYVVTKKTVFKWQEGFVSTMKDVFQDYKETFLEEGLLERSGGELVH
LISDAATMQLIRWTDGGFGMAAHNYDGMMLTDQIAQVHRSPGFITSNLVGVNDDGSLIKE
FEASHGTVSDLWHDHLAGKETS LNPLGLVEAMIGAMQHAAMLAERNPDDDTKLATKLLKI
MNFTE TLREAMHNTFRYGGQTRDMSGPGGFTTEDFIGKVAWRLQRYLAMQDEEAPPQVLV
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WGK
>comp5827_c0_seq1; 225 297 908 LEN=1335; translated
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VDASRLLESATMQEPSTNTTEDYLAALRKEGRSGGLYGGPELVALSNILRRPISTYEVD
QDYLNQQESMGDDTSSEVFFPIVCKGSFGDGVFEDPCITSIPDSVIVSNIQPGAYSWR LH
ILVLDASPTKHA CVLLPQQIYD
>comp5828_c0_seq2; 526 68 1414 LEN=1504; translated
MSTRDPFKMSLR LKAVTGALVAVWLLSLTTVVVSFLPPQNGRATRTRTSLSIGLKLSSQTA AI
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ALKESNLASPCNGPDPVFLDQLEETDRALENMRGGDWKKNLQLYCETKRARNGESNPLSV
DLRFLYIPTAMYALRPESTSTPGKQRGRNRADGKKRRNEIMGLLQRQLEEFASSSEGNAD
VLYSIRTVTMDFDDCSVKQPEIVTNSNSLSETDDEFPE TKGQAIRQWQPHFIYVQGGNTF
WLHYCMEKGDWTKDLIDACCYNPNNDNEIESPFSAVYCGVSAGAILAGESMQTACWKEWD
NPSVVP GKETYEDWADVRGLDVAGRTSIFPHMTEEWQDVAERKTEELLESTLNAGNDDDL
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>comp5829_c0_seq1; 513 1 1268 LEN=1407; translated
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TKAQGSDAETTTAAAMP MAPSDPSALQSVLDPNAPPPPPQVPPTPTSAQEKASDDRSVA
NIIMSQRDLRTRCDALEAERDSFKRELQIQVEASESLRS DN TKLF EKMYLQSYNKSGG
GRQGSNAYARQNSRDLDEALEQR YEASVDPFRQFGKSERQRKLQEMSPMERTV FVVAK
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GS
>comp5830_c0_seq1; 340 258 1352 LEN=1562; translated
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RNSYNNVNE DQETTAPGKVSGLCDIRLDERLRERSYGT LQGMPWNSDRSETNKIWRERGD
SDTMPKWE SDDDIWIRVKSFLSELVEEELLSQSDKSIQQPDRLDVVETT VTI GNDEYMSG
DSCREDTASDIVNNNPKRILITSHGGVLRQILLRLVGVSKLKEMGATFD AKRKNKLI TPN
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>comp5831_c0_seq1; 182 172 423 LEN=423; translated
MTRRNPTSHFIIIAVITFACALSIIIFVAREKDLLNALQETAVPEKGLQVVDPAKESPRETP
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>comp5831_c0_seq2; 305 1 1203 LEN=1530; translated
DPAKESPRETPKIPTDASKSVSQELILQKTIPIGSIENFKIGSKIHVPSR FWTCHRNVD DR
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DSAVRGMGYNAGPCIPYDFVDGESNILERQSITSIEEIQAYNVRQKTRLFEEVSYSKLRE
YDIDIISGHTPIGLHSNWFSEDEKVVTPLYITFFRDPIDRYVSSH LQKNKEMVQQGREKS
WDFEGALAFIRNSIQKRRKDSLDPYLM TSAQKVGIKNMTEARRTNLMKSNLAELPVVIGV
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SDLFSLKLNLLRYEYEVYDYAVELHKQVKRLSEVVESMP
>comp5832_c0_seq1; 145 1 897 LEN=1281; translated
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CLEILMELYDEEDTNRNDQLPGHNGSRARVSSSLGTEFLVKFAAWCLWHRGILAQTKTRQ
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>comp5833_c0_seq2; 116 189 644 LEN=1256; translated
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>comp5834_c0_seq1; 156 99 230 LEN=484; translated
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>comp5834_c0_seq2; 169 99 353 LEN=892; translated
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>comp5835_c0_seq1; 611 1 1586 LEN=1603; translated
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SLLSGLSGRSVAEGLYGLWLRMPWPLSALLLPEQHLPSLAKAPEEARGRGLPAPPSAPL
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PLGNKAGGPDWFCPPFLSASFTEAPGSEPEPAKETNTPKKKKEKKKKTKKKKKQKPRP
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>comp5836_c0_seq1; 383 246 809 LEN=1168; translated
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>comp5838_c0_seq1; 807 1 2314 LEN=2997; translated
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AFRIGKILSFFPSYVVLGVIIGVGVWAAKQSVTVSVSPHVFDFGADEDGLWNYMITPHFFL
SAFFGLAIRPLRVFIPPERFLLLDPTYYSIPIVFCVITVFGVPPFDEVVEAGYLFKAPT
ANTTDDQPSVFAEAAELWTKFDFSKVQWDVAFQAVPQIFATSILAVMVTAPFVPP IATLL
DMDDFDLDFRIFIAHGLPNII SGLLVPGGIPACACYSSSTALYVNSGGKGFANSLLAGTSF
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QTSGLIAALFMALFTSTFSSSNENPVRRMCAATFPSSRQRNDLELAVLDNPITGRKKIV
IIQLQGSVFFGNIAKVQDQVFGYLGKREIHDSIVIFDCTLVSSLDSSACIFFDKIQATLK
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NNE SHPSHKRRSSALTVRGSFDNDNEQKHLTQICGTCFDYLDKALAMCEDKLLSMANIPI
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>comp5838_c0_seq2; 896 1 2686 LEN=2889; translated
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AFRIGKILSFFPSYVVLGVIIGVGVWAAKQSVTVSVSPHVFDFGADEDGLWNYMITPHFFL
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DMDDFDLDFRIFIAHGLPNII SGLLVPGGIPACACYSSSTALYVNSGGKGFANSLLAGTSF
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IIQLQGSVFFGNIAKVQDQVFGYLGKREIHDSIVIFDCTLVSSLDSSACIFFDKIQATLK
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NNE SHPSHKRRSSALTVRGSFDNDNEQKHLTQICGTCFDYLDKALAMCEDKLLSMANIPI
SKMTIPKPF TFIGEDEEVDDPDRAMAINMLKEYCNVKDTGLIKIIVDGMKRETLPKGI I
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DDECTFYSLDRAAYKRLFQESPEAASLLEVSLARYLSHKLRHVSNRIYQARSLPV
>comp5839_c0_seq1; 114 121 254 LEN=254; translated
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>comp5841_c0_seq1; 272 1 1002 LEN=1002; translated
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SIVELFGAQVANLEKRTSKRLGSQLLKKLDSTPPEEVASENAAAIRAAMVSFEATMGDLE
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LVAVLRPDGFGSLQGFAGYQLGGNSITLGIHNDADDPAXDFPVRGGPAAAPAHPAQAARG
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>comp5841_c0_seq2; 718 257 1963 LEN=1963; translated
MSRVSLFLASPLLALVVSALLASGAHAVTSPQYSTLMGSSGGLRLNTIASSDVSTSEGV
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SSSSVLSSALSDANERIKESGVASVALDPPHIAHAFVAVSNAHARQRSARAKIASWKS
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SIVELFGAQVANLEKRTSKRLGSQLLKKLDSTPPEEVASENAAAIRAAMVSFEATMGDLE
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LVAVLRPDGFGSLQGFAGYQLGGNSITLGIHNDADDPAXDFPVRGGPAAAPAHPAQAARG
RGDVMWKGRCGGATPNVLKKPLARDNILDNYLXX
>comp5845_c0_seq1; 350 928 2067 LEN=2169; translated
MDQMDQKPIEDTLCASVKENNDKPDILIREPEESMNDAFEVFEVSKGRRDDDEQVSVNDN
LTLGATTIEDTYSCTPSMYEIEKFHRELELELFGEVNEVPSMIGQILELPIAENRSSAT
RSSRGRDYVQNDVLNARDSDLKRVLIQSDEYPCDAFTETSRSGSTACDAMKNSQTSSTV
IPAIPTRTTTHQFPSSQNCHHSTTFHHDALPAPGTGWEQHMNYDGFREYNDSLCDPFPP
SMANGMRHSMQCHRHEIHSKHSQHIRDSTEETDSIRKHSQCRQGSLLDSSHGTDSKRAIS
NGHIVTSSDFKDLPFCHRRLCDHYRSSSSRSFRSTSLHGPVKVCHVPLSGHISASQLVNGT
NGEHCFSSNATITITEENL
>comp5845_c0_seq2; 350 1107 2246 LEN=2348; translated
MDQMDQKPIEDTLCASVKENNDKPDILIREPEESMNDAFEVFEVSKGRRDDDEQVSVNDN
LTLGATTIEDTYSCTPSMYEIEKFHRELELELFGEVNEVPSMIGQILELPIAENRSSAT
RSSRGRDYVQNDVLNARDSDLKRVLIQSDEYPCDAFTETSRSGSTACDAMKNSQTSSTV
IPAIPTRTTTHQFPSSQNCHHSTTFHHDALPAPGTGWEQHMNYDGFREYNDSLCDPFPP
SMANGMRHSMQCHRHEIHSKHSQHIRDSTEETDSIRKHSQCRQGSLLDSSHGTDSKRAIS
NGHIVTSSDFKDLPFCHRRLCDHYRSSSSRSFRSTSLHGPVKVCHVPLSGHISASQLVNGT
NGEHCFSSNATITITEENL
>comp5846_c0_seq1; 411 134 1060 LEN=1497; translated
MATWNPKRNNFTLCCFFLALLLEPQTILSSGYKGRVLRGSIDGQEKVSGNRTLKQKMVA
NKKRNSKKRQISKIATSTRPVKPKSPVQSSTIPVVLPAQPTPSPIPALGSTTPGVLPSPS
ATNAIPVAGSVTPVVPPTPPTPSPFANLFTAAPAPVAPNLLTASPIPFPAIGRIPVVSRT
ETEPSGGEGPSGTMTDSSTSEESSGSTSSTTWGFAWDSACPEEASQLEKICIGSGKITID
DCKSCIVSASFMSSTDYMMKACKTQFCNGCDGGQYLDCAQAANIQKFPVVNGGATLIREK
ELPEDGSD
>comp5847_c0_seq1; 197 81 569 LEN=793; translated
MIRSTTLAALMSWALVARTTCAFTATSCSVAAPAKSAASTTARFMSFEDFGQETPEDTKE
RIQELVDNHPVLLFMKGSKLFPPQCGFSNTACQILQSFIDFHSVDVLSDEAVRQGVKDFS
QWPTIPQLYVCGEFLGGSDIMIEYQSGELGELIEKAKADMI
>comp5849_c0_seq1; 464 1 1585 LEN=1804; translated
XESILDEENRSNNQSIRRSAVIDQFSSKERLEYSMRQQTLSMADSTSSVSSVYERPVV
AVMFFIVFIIFHITLQLKTAFAQIDIARSLTTNDLASDQISDALADQQRQEKKKKSDHS
ATSLIHNVESIKQALGGGESGETVTLFNNDNNLFPEKVVGVQEHRSDDDHHDISSPSEDS
DHTNNLLVTTRMQYELDLDFFDTEGEGNQAISEAKKTQKKKKKTRAFFGIMTYDS
ESERKRNLIKRTFLSYFTNHTNRTLSEDEYNEKHHWICSLNDLDYGRLEHPEKCRMAY
AFVQGANPNGTTMLLNFESYPLSLPPPFFETKKEQKDA SDSVYLN IQENGRFGKSPWF
RYAIDVLERHGWKDFDYIFKSDGDNLIYTPNFFRMDKLPQKRAVRVYGGRRPLNKNKCG
GDSDHDCSQMVGPHFMAGGCYFLSLDLAKFISDETTFDHMAVKLPHEDMTTGNFVYSHPK
KIRVVKEPRKKGVIRTHPVKKDRAFKHRWNKMLKKEQVRLVAAQVNDE
>comp5850_c0_seq1; 191 232 810 LEN=861; translated
MGIDLKAGRRRTGHKSSMKVVKTKNPNRLLIKLYKFLARRTDSKFCATVLKRLHMSKVN

GFAMLCAGSIRSKNVKNVLLWNLLDSCGGGIAFWITGYAFAYGGETSTAEWTFIGSENF
LMGEINHAYWFFQFAFACALSSIVAGTIAERTQMKGYLFYSFFLVGFAYPIVAHAFWSTN
GFLANVNAEPLWGSAGIDFAGSGPVHMMGGLTALMAALVLGPRMGRFYDDDGSPLETPAD
IPGHSTPLAVLGTALWFGWYGFNPGSTFMVSNNGNAGEVAALVAVNTTLAACSGALSAMF
TSTWLSYRSIGLHTYDLAYTMNGLLTGLVAITAGCAAVESWAAVVIGIVSGWVYLIASKV
LIKLRIDDAVDVIPVHLVGGAWGLIAAGLFSTPDLMDKAYGQSDHVGWVFEWGRGSGNFT
LIGIQLIGILFIIIGWTTALMYPFFYVNLNYFGALRVDPLEEATGMDISRHKGPYINVDQSK
HENEAEEELQKSRRSLLGNSSGRRSTGPETSPERANPTAVEVEESA
>comp5859_c0_seq1; 244 235 930 LEN=1202; translated
MTIASQEKSHYRYEQQLRRRHSIAKIHRSSSLVGNPAFIIIGLSLALMGAIGFFAAMIHL
TSKVEAFRPVYASHHRRHGSSTRVFLEDWVADMIDKELYRQDHRKEYEGEWMMKKNKGA
LSRLSDSETSPSGYPSSMLELDGEDRAAFADHKRDERMAFLKPEKYCADRCVATGNCDIF
EDFYELGPEDVLKFCEECVLFSEEAESDGGEYSSACEVPDAFYEKEPPLRP
>comp5860_c0_seq1; 771 1 2382 LEN=2618; translated
XTEGTQKSYTLGAAAAPPAAPAIQPSKSFMEGPPPLGSGAMGGVSI SDAFEGLSTEP
TTTTTLPSYVQPAPAAAPVVVEPPTPQPEPSYVVPQPVTAETVEPPTPQPQPSYVQQA
PVAEPMAASTTPPAPTAAATYEVSNHQEELEKLVVLQKKAENISLKSQGLNMTEEE
KNVQQLGQTVAEITALSSDLGAQRQVLEAKNRLLEARAELKAQQGXEGVSLAAWITLY
DVVLTKLNSGFRILSDXALKNWRIQPQRLLSAPKTNAFI IAPLPLFPLWLTLLFELCLHR
VLTTELISEAEQTKEAIESATETLQSNAAAPPPTSQPVAGPEVDLFGTSAPATAGVQDSQE
PEGFMNEHTIPNETKNLPAGVPSMPAPSSAEIAAPGTPTRPPQPMEQQQIAQAPPAMY
SNYAAPAPPQAPQAPPPMPSPMPERSHAREQQYLSPTNLNRPPVPGHFRQSSGFDSGFL
MGGSPTVVYPDSGAPDADNVSQAASHASTGDYGYDDQAFEVVEGMKKRAKAADGVARDA
EAASSKLAAEADELADRAEANYRSLMAAAEKKKGRFGGKMMMDGAEQAGKDAE
EIKKHFMEIQGRALEAASVAAQTREEADKLLVEAAEELKMAAVASAQQKQPAPAPVPAP
APPQTNDYYGNMAAPPKTGAMPMPQYQAMPAPTVMVGYNGYNGYNANGGAVPGDGYGQ
QQHQNYGQASQPPGPMGANGGYDMPPAAAFQMQPATAAPTAGGGALREPFLIFTDGNGL
LDLVNLETCAANGI
>comp5860_c0_seq2; 950 1 2172 LEN=2408; translated
XTEGTQKSYTLGAAAAPPAAPAIQPSKSFMEGPPPLGSGAMGGVSI SDAFEGLSTEP
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PVAEPMAASTTPPAPTAAATYEVSNHQEELEKLVVLQKKAENISLKSQGLNMTEEE
KNVQQLGQTVAEITALSSDLGAQRQVLEAKNRLLEARAELKAQQGTGKLVTELISEAE
QTKEAIESATETLQSNAAAPPPTSQPVAGPEVDLFGTSAPATAGVQDSQEPEGFMNEHTI
PNETKNLPAGVPSMPAPSSAEIAAPGTPTRPPQPMEQQQIAQAPPAMYSNYAAPAPPQ
APQAPPPMPSPMPERSHAREQQYLSPTNLNRPPVPGHFRQSSGFDSGFLMGGSPTVVYP
DSGAPDADNVSQAASHASTGDYGYDDQAFEVVEGMKKRAKAADGVARDAEAASSKLAAE
ADELRADADRAEANYRSLMAAAEKKKGRFGGKMMMDGAEQAGKDAEIKKHFMEIQ
GRALEAASVAAQTREEADKLLVEAAEELKMAAVASAQQKQPAPAPVPAPAPPQTNDYYG
GNMAAPPKTGAMPMPQYQAMPAPTVMVGYNGYNGYNANGGAVPGDGYGQQHQNYGQAS
QPPGPMGANGGYDMPPAAAFQMQPATAAPTAGGGALREPFLIFTDGNGLDLVNLETCA
ANGI
>comp5861_c0_seq1; 165 949 1269 LEN=1853; minus strand; translated
MPLKSAYVQGSTFPNGFQIAAFASSCLCLARKALAAPVIDAENARRVDCPTFFCMKPLW
RSVGRGTAIEWLPEMRQKKIWD SIRIERILRDVIVEW IQSSQGRMV
>comp5864_c0_seq3; 192 176 790 LEN=1630; translated
MAHQSSNVFWKQQLPNINAIENDDDKNIERNVCMVQISDPDRREMMPPPEKKTRNHSAS
RTMATAKLVGSHKRDYRCRVGDPKGLLLLSFPLKHLHILESIEFARDRRKVNKRLKSI
GGNWNTHKNDTHETATCRFCYKNGASVKKDEIIIGWLPNGNAFKIYDKGRFVSEIMPHY
FLGHGKNAFSFETFLRCLDLWYV
>comp5865_c0_seq1; 488 64 951 LEN=1401; translated
MPTKKKNEAALKKLEDTMVDDDDGEEDEVEDVGGGSGRGRKRRESKSYEPDDFTMASHNH
TLKLSVVPKGRGKGLGDI PAVKSSMNKYKLNTEELLFAYKFVFSNRGTANKKAMKSKLLE
FSGYLPPLPKGKYNKEQQDEKDEVFETKYATKAFRMNLNQIKTLCTFFGVYNDENGKPL
KKDDVIDRLLDFLGEPEDESLKKTISSEKQKKAQVQKQKQKRAAGNLPEDPFSLIRDYKKGK
FPSDSAMRQWVKAYIVCIDMETATTKDAVHTATAKFGVDMVSKKARIKELLAAEEI
>comp5865_c0_seq2; 416 64 1057 LEN=1507; translated
MPTKKKNEAALKKLEDTMVDDDDGEEDEVEDVGGGSGRGRKRRESKSYEPDDFTMASHNH
TLKLSVVPKGRGKGLGDI PAVKSSMNKYKLNTEELLFAYKFVFSNRGTANKKAMKSKLLE
FSGYLPPLPKGKYNKEQQDEKDEVFVSPASFSGGRHLTLSEIHFQSARLSFSKPARKL

MKTKYATKAFRMNLNQIKTLCTFFGVNDYDENGKPLKKDDVIDRLLDFLGEPPDESLLKKT
ISSEKQKAVPKQKQKRAGGNLPEDPFSLRIDYKKGKFPSPDSAMRQWVKAYIVCIDMETAT
TKDAVHTATAKFGVDMVSKKARIKELLAEEI

>comp5866_c0_seq1; 287 1 1403 LEN=1509; translated
XEDAQHRIYYPIMVKPTSSAASAANSRRGQRTIRSLMEFLRFQARLEANKPTFGQFLGLS
VSGNDAETNKEDYFSTVREDRFWFLDASPSNSIVRSGERRRQEQSLVFRYRFPNRNLQG
LHKGTRKTSISESGMNCGPVGLSTYTSILDEVTSFSIISATGPSYPRPGVSVTMQSQWGP
AYDATSSLSFLEEVDIVTTITKKGRNLAFVRAEVRDPSNYDGIICYFDHVKYLTVGWGMG
LLLTPVGMWFLNLYSRYILPYLYRRKQRNHSNNNNIESNRHTIHSIDILDSFLLTSDTTAT
FQFGPPHTNGFGGLHGGVQAILMERLGEVARRELLKVLQSTTNSGADDVGGAAKISCTS
NSGDWMEAECQRLVISYQSSASRVLELEAHIINPPRLDHPSVTLRIEILRNGNQPOANNQ
SSSSNNESINSIGNRGSQKPTSTEFKRVVSEGILTFVSTSPKTKVQ

>comp5867_c0_seq1; 435 143 1132 LEN=2173; translated
MTSETDKKETCSSTDAKKEGIVKTTREFAEKLEKLSKPALEFLIVLIPMVVETGNKLYAI
WIKLDDAIVKSIIGFAFCFFGGMYPTVFAGLQAAEQGGRALVVKSIGELSEEATRIINES
KKDDKDSGTDKLSNKDYMKQKTLFVLQKMNPEKVN TALCNIYSVWLAVISVLVVFHARTI
QMANSIAEFLAKPADRYFKPIVATALPPEYQQWVPIIIPWTCRTVGM SLAWTLT SIQVAF
ASSLQGGMLLARSAYQVLRKRNITLGG L IVDQSNSTVDEYLA YGLAALGLSFQLYFRLN
PPFPLNIILAPFKLFEWALRYGMMKATAY

>comp5867_c0_seq2; 456 143 1352 LEN=2393; translated
MTSETDKKETCSSTDAKKEGIVKTTREFAEKLEKLSKPALEFLIVLIPMVVETGNKLYAI
WIKLDDAIVKSIIGFAFCFFGGMYPTVFAGLQAAEQGGRALVVKSIGELSEEATRIINES
KKDDKDSGTDKLSNKDYMKQKTLFVLQKMNPEKVN TALCNIYSVWLAVISVLVVFHARTI
QMANSIAEFLAKPADRYFKPIVATALPPEYQQWVPIIIPWYVQYCRHSIFVACIMAPLVL
IPVENQTL LWDVSVKISSLIVPKSIQSLSPPTCYICSPKSFCLAFIRACFYRTCRTVGM
SLAWTLT SIQVAFASSLQGGMLLARSAYQVLRKRNITLGG L IVDQSNSTVDEYLA YGLA
ALGLSFQLYFRLNPPFPLNIILAPFKLFEWALRYGMMKATAY

>comp5868_c0_seq1; 330 186 956 LEN=1245; translated
MKVLVGIKRVVDYAVKVQVQKGSVSLNNVKMSLNPFC EIAVEEAVRLKEAKAAEEVVAVS
IGPKQCTETLRTALAMGCDRAIHISTDLRTDYMELQPYAIAKMF EKIVDQEKSDLVLLGK
QGIDSDCGQTGPMLAGFLGWPPQVTFANLTPNDGGKGITVERETDSGTETIKIPSLPAVV
TCDLRLNEPRYATLPNIMKAKKKKVD TINADDLGVDLT TYNEVVEVFAPPPRQQGIMVES
VDDLVDKLRNEAGVIS

>comp5868_c0_seq2; 330 424 1194 LEN=1483; translated
MKVLVGIKRVVDYAVKVQVQKGSVSLNNVKMSLNPFC EIAVEEAVRLKEAKAAEEVVAVS
IGPKQCTETLRTALAMGCDRAIHISTDLRTDYMELQPYAIAKMF EKIVDQEKSDLVLLGK
QGIDSDCGQTGPMLAGFLGWPPQVTFANLTPNDGGKGITVERETDSGTETIKIPSLPAVV
TCDLRLNEPRYATLPNIMKAKKKKVD TINADDLGVDLT TYNEVVEVFAPPPRQQGIMVES
VDDLVDKLRNEAGVIS

>comp5869_c0_seq1; 187 84 566 LEN=1135; translated
MRSFMDVDVHAAQRVGAMTLAGFLGGAHAFAFKGFP RRAAALGAASSCALVGTSLFALER
VASVAMRENNRNDKSDEELDARDWRSTLSSHAFGGVFGALNGYLYHRQPLRGMIAFTP
FMLF IGMIEVEAKKRKQORLDEL LDQRQNQTQAATTTTPE

>comp5870_c0_seq1; 354 1 2159 LEN=2849; translated
XMTSRFLEEGSILRAFFSFYLVQLFFAAIAALCVYIEPI SGGSGIPEVKCYLNGIDLPRV
LDVKT L FCKVIGVTC SVSAGLPVGKEGPMIHS GAVVAKMVSSGNVKNDRQLRDLVTCGAA
AGVCTAFSAPIGGILFALEEGASYWSPSVTWRTFTCSMIALTALMMLESIGITFGRVGF
DLFSGNFIF EKGQSSYAIYELGIFVAIGAAGGLIGAI FNDVNERITHWRMKHVNTSKKR
RFMEVMLI STLMSCVMFFSSSLAWPMCASISDIIEEESDRQNL YEKLVFRCEEGEYNELA
TLIFAE PGDAIRLLFHLHKNASTYALLAFFLLYIGVAVVTYGI AIPSGLFVPSLLSGAA
FGRFFGNQLRKLPHLAFSNTYSLIGAAAVLGGMARM TISLTVILLECTGNEQFVLPML
VLMTARIVGSVYND DLYHIHHLKKGVEFLEAELTSITLH HNLVAGQIMGANVIFIRPVE
KVGVVYDILMSAKHSNFPVVD TDDRNVLDGTIGRNTLC ILLKERAFGYPMNDTHVGPNGH
TAISSNFLQVYERKYHPLVQWDVLYRSYPRYPDAKDLRITDEDREQLVDLRPYINNAIT
VQETSSVEDVGD SWRAC SAPDHFQFNLVQYCAIPALVSHSCFSISIRPMLCNAEIVMRA
QRTYSMFRNLGLRFLPVVNKYNQVVG TITRSDLTPDALAETMLQKGKKHEPVNNGSFMR

>comp5870_c0_seq2; 389 1 1999 LEN=2689; translated
XMTSRFLEEGSILRAFFSFYLVQLFFAAIAALCVYIEPI SGGSGIPEVKCYLNGIDLPRV
LDVKT L FCKVIGVTC SVSAGLPVGKEGPMIHS GAVVAKMVSSGNVKNDRQLRDLVTCGAA
AGVCTAFSAPIGGILFALEEGASYWSPSVTWRTFTCSMIALTALMMLESIGITFGRVGF

KLFSFGNFIFEKQSSYAIYELGIFVAIGAAGGLIGAI FNDVNERITHWRMKHVNTSKKR
RFMEVMLISTLMSCVMFFSSSLAWPMCASISDIIEEESDRQONLYEKLVRFRCEEGEYNELA
TLIFAEPGDAIRLLFHLHKNFSTYALLAFFLLYIGVAVVTYGIAIPSGLFVPSLLSGAA
FGRFFGNQLRKLPHLAFSNTYSLIGAAAVLGGMARMTISLTVILLECTGNEQFVLPML
VLMTARIVGSVYNDLHYIHLKKGVEFLEAELTSITLHHNLVAGQIMGANVIFIRPVE
KVGVVYDILMSAKHSNFPVVDTDNRVLDGTIGRNTLCILLKERAFGYPMNDTHVGPNGH
TAISSNFLQVYERKYHPLVQWDVLYRSYPRYPDAKDLRITDEDREQLVDLRPYINNAIT
VQETSSVERTYSMFRNLGLRFLPVVKNYQVVGITITRSDLTPDALAETMLQKGGKHEPVN
NGSFMR

>comp5871_c0_seq1; 253 417 875 LEN=1233; translated
MLAGVVVRSIETSIQIYREIIDKAIDHNNLLLIGFSWGGAVVAEMIARGMLGGQDQPS
ALLIAPTSLVAKVAFQRDAATRICKERASLSLMNSTPKVIVVHGEFDDVFCPNQDRWNR
IRGVNVHILPDSHIFHRSSSQHALIELMKRQL

>comp5872_c0_seq1; 510 126 1259 LEN=1733; translated
MNPVGMNIARSSRYRLPSRCRRVRHPQSASLMKTRSLAFSSTTTKHEKVYLLPKRIIL
LRHGESLGNVDDTAYSTIPDWKIPLTRRGERQALRAAKELVDLIDGELFAYCSPYKRAI
GTWDIIEDYIESNNKKKNDDEEQSSNDKDRVGEIIGMREEPRVAEQQFGNFQNPCHKVRT
AKSERRTFGRFFFRFPEGESGMVYSRCSFLATLSRDIKQIDLRYSLRNQETNNKANE
NETEAGNPLCAMADMNILIVCHGLTLRLLLMRYFQLTVEEFESSYNSQNAKLVMNRFVY
DDSDADTDPGNRKYYCSITDTHQFREYYKLDEVSKEALNLLGDISNKKPSYWRSSSTRMDD
EFNGGLLLVDGDDDDLEE

>comp5872_c0_seq2; 437 126 1386 LEN=1860; translated
MNPVGMNIARSSRYRLPSRCRRVRHPQSASLMKTRSLAFSSTTTKHEKVYLLPKRIIL
LRHGESLGNVDDTAYSTIPDWXNTVDEAVSKSLRLISRIIFSIXQYLLLRPIEIQEAHI
QFDLSILDRLRGERQALRAAKELVDLIDGELFAYCSPYKRAIGTWDIIEDYIESNNKKK
KNDEEQSSNDKDRVGEIIGMREEPRVAEQQFGNFQNPCHKVRTAKSERRTFGRFFFRFPE
GESGMVYSRCSFLATLSRDIKQIDLRYSLRNQETNNKANENETEAGNPLCAMADMNI
LIVCHGLTLRLLLMRYFQLTVEEFESSYNSQNAKLVMNRFVYDDSDADTDPGNRKYYCS
ITDTHQFREYYKLDEVSKEALNLLGDISNKKPSYWRSSSTRMDDDEFNGGLLLVDGDDDDLEE

>comp5873_c0_seq1; 150 203 587 LEN=811; translated
MAQRDPNSTDSLHPGVVTAEHVRQKLSKQLRIDLDDSEPVHILRTASPPSSPSEETTPSS
TTTTTNPLNFAELDDSKIQALADDLVPVDEEGRCLIRINRLGEYLAVIIGLGGYAVPLR
VLVRQRV

>comp5873_c0_seq2; 334 328 984 LEN=1208; translated
MEDLPHGKAYKGDVVTVKAGYARNHLVPQKLALYATPQNF SKLGIVDPDFETEEERIARL
QRESNMTAAEDRYLKSDLLKYLNRKVLQIWRNVDPNSTDSLHPGVVTAEHVRQKLSKQ
LRIDLDDSEPVHILRTASPPSSPSEETTPSSTTTTTNPLNFAELDDSKIQALADDLVPV
DEEGRCLIRINRLGEYLAVIIGLGGYAVPLRVLVRQRV

>comp5874_c0_seq1; 282 154 933 LEN=972; translated
MAPSDDEHSGSETSTGEPDSGSSVESERNEESETIKPKKIHRSLTETEDFNKKLKRGG
VIYVARVPPRMTPTKIKSLLSDFAEVTRVFLQEEASVRKRRKKEYGNSGGKRYIEGWVE
FASKRKAHIAESLNLTPISNHKRNPFGTLWNLKYLHKFKWSHLTEKVAYERRVREQKL
RVEMMQARRENAAYVEMVETGKKLDKIEERKRKRGDSEFTVSSTKDKKTGGEKRHKHRQR
KPVQEGTRATKSAILGGLL

>comp5876_c0_seq1; 459 130 1641 LEN=1950; translated
MPPPPPPSKSYLLVLDSDSSSDESESYFQQYNRTFENINTVAPPQVLDTKNNINGRV
NNDFFSSLVDESKNDQNOQDSSSTKLTKNQKNQKKRLQRKKKKAQKEANTLKGV
FSDVSIREFPRAFSTDTVPAHGGWPLGMKLEGHEDLDQIPLDEYETSKQKRLHERWTTML
SARDKVPGPSKSPSKSSPSSKSDPVAPFDEKVIQMVGAGAACGESCSSEENCNVVYE
TRQWDYKSRIKNPIFRSVSEDERHAIFLDASEFTCSEIQKHVNSNSVRRARSNSIGNHN
HNSNNRRRSNSVGNHDLGNSMKGFNEEYNQAMVHHRNELEQIRFERNKSGATGCNC
RKLVVYLPSPDGSGGKKAQHRRLLKPSKLVQELKKNLYDSKVASSSREQMEKILHKAWEK
EPCKDADCFVRNGKACQADACSCWHDHSHVHPKHSSGSDGRGLTNDDIRTRCGNPLGTY
LVETEAEIAYRTNILKAQKLQME

>comp5877_c0_seq1; 317 94 1020 LEN=1586; translated
MRAGEASSAPGNPGFSFSSQLSRTSIATLSFLAMVFCGTTFFSSAMIHHNVRAGTKAS
SATSGALSSSFPRRVFCFGDSLTAGTSPPNHDLFPYAKHLEESLNKHKLNPSDNVLDNI
ERTVQVRWKGYPGWTAPSLLRNGGLSDIIEKAAQQQQQETEGSVSSSEEEGQHTAIDL
VVLACTNDLAHSDGQSIFESIKSIEHQAFSQGHVHRTIALGIPPSGWQVHSESARSAL
EVNSKLESWSATTSTSDAKTVFVFPFIQEYDRNSDLWSPDGLHFSKPKGYQSIGESLAPIV

ADILWNNK

>comp5878_c0_seq1; 911 118 1413 LEN=1467; translated
MAKKGKSPSKKQSRKTGKDSAEKKKGVVDVKITWDDIAAMSDSDDDAGGEKAIELSCKKAK
DLRQNIANNLSGLLASINQKDGDEEEFEEAVLDESSDEEDDAQSEGDGDEDEGQGMEE
EEEEEEEEEDSDNNESFIDKIKIKSND AEDDGDSDSESSDDEMDEETKKKQEKYARLENN
NNINSKALSVVAAELNSVHSMKMPWAETFVIVPPTPLPFGENGDPESNPLDIHDDLKREVA
FYNTALEAVNLARPKCQEAGIPFTREGDFFAEMVKTDDHMANVKDRLIFENKKIEAVAQR
KSNKEQLRAKESQANRLAEKAKRKRDRHFRDVEDWANSAAKNRGGGLRDDVDDHFLNNRY
DGGSPSKKRQONADKKYGYGKGRFRKQONDRKSMNDMSGYNPRGNFAGGMKKTGSGANRAG
KRARDAKRSRR

>comp5879_c0_seq1; 603 1269 2393 LEN=2940; translated
MTTASVSASSSCSNVSEPTANTKKKSTASVAPHTPPTTTSKFGSELEKDERFKRFKRRSE
SFASTEGSSTPKKDREIMESIAMTTEERQRLEEEEMKAQHCHPLVLKIEAEAEERRELENDR
AYRRSTSGNNSRTQATGNRRLLRVRSGSARNVDQLANFLEGGDDNDDLSALERAI IHSIGQ
GERGSRGSANSNNDSSSTQNDLDQQEGFP LLRSLLTGRLLDIHNGNASSISAAAARRSTWYR
RQRHPHSAFASSLMALSEEEQIAMAIAASMQDQEQQSAQNDDSNEDGSDNDETAEEESN
ETDPGNNSENEEDSNTITTPDNEDPDADGVSVAASSAVASQQCRHQNGDEASTITELARVV
TDSRSPNVDTGITA

>comp5879_c0_seq2; 638 208 1788 LEN=2335; translated
MGNQSSSSSPIDIERLRHFSRNGGSLGLSRTELDKRCQPSGLYGSCNWDDKVVRRLLISD
GKIAARLKGEEYPDPSSGCNMEECPICFLSYSAVNITRCCNAVICTEYLQVRPQKEKDS
ACPFNCNENFSVTISKKKSLSLVPGTISSASSMTTASVSASSSCSNVSEPTANTKKKSTA
SVAPHTPPTTTSKFGSELEKDERFKRFKRRSE SFASTEGSSTPKKDREIMESIAMTTEER
QRLEEEEMKAQHCHPLVLKIEAEAEERRELENDRAYRRSTSGNNSRTQATGNRRLLRVRSGS
ARNVDQLANFLEGGDDNDDLSALERAI IHSIGQGERGSRGSANSNNDSSSTQNDLDQQEGFP
LLRSLLTGRLLDIHNGNASSISAAAARRSTWYRRQRHPHSAFASSLMALSEEEQIAMAIA
ASMQDQEQQSAQNDDSNEDGSDNDETAEEESNETDPGNNSENEEDSNTITTPDNEDPDADG
VSVASSAVASQQCRHQNGDEASTITELARVV TDSRSPNVDTGITA

>comp5880_c0_seq1; 341 451 1917 LEN=2105; translated
MTAASVVLFSSTAMMAPALPAFADTTDTDFITVATTTSEKEQESMLLKGVSQKEIARRA
AEQRNGDFSSSVIDEVWTLLSNYIIDQSFNSQDWNKVREKVESKGVKVNFNNDKSMKIVT
EMVQSLGDKYTRVLDDKQYAAIQKFDLIGVGVTLMPNSQKDIIGAPPIAGSASDKAGLK
MGDYVTAVNGIPIRGRNAFDIIDQIGENPNAKQVSFSLRDKGPSTIDSIGNPQADNFV
VTLERQTMVEVKDPVQFKISETRSDGTVGVYRVVSEFNLSLVNSSLQHALSELNKEGANAYV
MDLRGNTGGAFQSAIEISGLFLRDRVATYVVDNSNOVELPFRTPKLQDLSIDPETPMVWVI
DGLSASASEVLAGSLHDNCRAVTMGDKSFGKGLIQAVYGLKNGAGLVVTVAKYITPSGSE
IQGLGITPDVLPGLKNMPAPVYVPLSTDTSKIDWRDVRERLSSKFCVSPEDRVPKPTPT
GAVAEAAAL

>comp5882_c0_seq1; 956 134 2392 LEN=2446; translated
MVKFTSGALSACLLATGATAFAPKSFSGKHASSLSMSTNTAPNSSDVLWTPSWKSGERDE
VYGEIGKYCEDLSFVTRRKRTRTVHCGPIKFGSEHP IVRQTMATNTADVDATEIQVMRCA
DEGFDLVRITVQGRREADAAKIREGLFKKGYDIPLCADMHFQPKVALMVADCLEKIRIN
PGNFADGRKDFEEDIYETEEDYISERQYLLDAMYPLVERCKELNRCMRIGTNHGSLSRV
LSFYGDTPRGMVESALEFADICRSQDYHNFVFSMKASNPLVMVQSYRLLAAEQYRMGWYD
PLHLGVTEAGEGEDGRMKSAVIGITLLADGLGDTIRVSLTEDPEFEFEPENRLAEIAESR
LAINEDARERQA AVKPYKDRDVTSYQRRTGSLPEQKEGDVVDARGFLHRDGSVLSVVT
EMLSKENVQYLYQELGCKTAVGMPFKDIATSDSIYMPTIPSSD TDARTALRRLIEVSMG
VIVPAEELEKDLPLNAVALVSLKDAIANDGKLP EGAIRLALALDGDDETDEEILKVKDLEP
IMCILKPKKGISHLHSSRRVFEIFNDNEIETS VVHHFTTDTDESNEALALQIGTQIGSLLT
DNGDGMVEQVGEKTPFSVDFLRKTSFSLQGARLRNTKTEFVSCPSCGRTLFDLQETT
ANIQEATGHLPGVTI AVMGCI VNGPGEMADADFGYVGTLP GKVDLYYKKEVVRKGI PNDD
AVDALVDLIKEYDMWKDKDEEEETEAEAVTA

>comp5883_c0_seq1; 316 191 766 LEN=911; translated
MKTYGTLEAESIKCAFSFTFSRDFPALVT CYAALGFTTPCATLWAHFAATNGSKCAAEICI
PGKGGITELNGPAPECAPSACMECQDEFRRDDDFAGLEMQNAGITERITRDCDDFYRVI
HDPCIGLDPDYDVGGAVDNSGDDTGGTTPASTPEETTATQTEEPEPSSGTTINGKTTYAM
AAWLAFSFAAV

>comp5883_c0_seq2; 271 626 958 LEN=1103; translated
MECQDEFRRDDDFAGLEMQNAGITERITRDCDDFYRVIHDPCIGLDPDYDVGGAVDNSG
DDTGGTTPASTPEETTATQTEEPEPSSGTTINGKTTYAMA AAWLAFSFAAV

>comp5883_c0_seq3; 467 77 1147 LEN=1292; translated
MTRVLLL VVVASTASLATAADFLGTARCGDCWCITDDGTTCPSDTVGISDSFSDDTDLFLG
TFELTNSPNFLKLSATGGDCFPFKDSVGAIDRYEESNLDQCIASDEDDDDVVCGYVYDAS
STTCEGRKYSIQNFASSNDAMASNAHIVHKGSCGVCSSAQDFSTRMKTYGTLEAESIKCA
FSFTFSRDFPALVTCYAALGFTTPCATLWAHFAATNGSKCAAECIPGKGGITELNGPAPE
CAPSACMECQDEFRRDDFFAGLEMQNAGITERITRDCDDFYRVIHDPCIGLDPDYDVGG
AVDNSGDDTGGTTPASTPEETTATQTEEPEPSSGTTINGKTTYAMA AWLAFSFAAV
>comp5883_c0_seq4; 297 77 823 LEN=1484; translated
MTRVLLL VVVASTASLATAADFLGTARCGDCWCITDDGTTCPSDTVGISDSFSDDTDLFLG
TFELTNSPNFLKLSATGGDCFPFKDSVGAIDRYEESNLDQCIASDEDDDDVVCGYVYDAS
STTCEGRKYSIQNFASSNDAMASNAHIVHKGSCGVCSSAQDFSTRMKTYGTLEAESIKCA
FSFTFSRDFPALVTCYAALGFTTPCATLWAHFAATNGSKCAAECIPGKGGITEVTRTRSTR
NIVPTFVQ
>comp5884_c0_seq1; 498 110 871 LEN=1048; translated
MSDNKLR CALIYRIGSGGTAVCVAKYDHAGQYETHGGADSSLYGGHDKSYAEAVAGVVTN
DPPSGLSQSGTLGGFKVVQSDQH QIVYGADIDGLCCATITGTQYPSRVAIGMLQDLYTDF
SAKYGDAAKIAAENSLSKKAKSILQAVSKKFEDPSAVDKTSKILGQVDAVKGMQDNIA
MLKNT EKAEDMAAKSEQLNEQASVFKKRSTDLKKQM QWKNLKM TLLLGGIVLVIVLSITI
PLV NKAKQVASSF
>comp5884_c0_seq2; 216 110 400 LEN=652; translated
MSDNKLR CALIYRIGSGGTAVCVAKYDHAGQYETHGGADSSLYGGHDKSYAEAVAGVVTN
DPPSGLSQSGTLGGFKVVQSDQH QIVYGADIDGLCK
>comp5885_c0_seq1; 269 106 1125 LEN=1376; translated
MSGSVCAAGGAVAETDPPAMSLPGGDEARGGFGRFRRYREELALRQRKQKQKVR LQDQPD
GFPDAPNGTAPGEKASNDGPGENDRKDDDDNDGGGTVLRDL SGARLVVDENG SVSVSFAD
TEGGP VHGI PSMVPEGTTLLLRNL RDCRVAIHLPLPAVHLV GIRGTEVDF FNGGSRVPSG
GSLPTNTTIHATDCHGGSVLRFERPAQQLRIHGSIGLGIGVAERPGAHRGAASTTPASSP
DRQWKPGSII LEASRDLCFTVPPIDHRALEADTRAYWHGVVVRDFH WLRKGVPSPNFRVE
VLGGNPPRGEGLPGEERGPSGETNRGEDSSDDSDDEL
>comp5885_c0_seq2; 82 1 626 LEN=877; translated
XLCLLELPCRIAFGVSLAARHLPLPAVHLV GIRGTEVDF FNGGSRVPSGGSLPTNTTIHA
TDCHGGSVLRFERPAQQLRIHGSIGLGIGVAERPGAHRGAASTTPASSPDRQWKPGSII L
EASRDLCFTVPPIDHRALEADTRAYWHGVVVRDFH WLRKGVPSPNFRVEVLGGNPPRGE
GLPGEERGPSGETNRGEDSSDDSDDEL
>comp5886_c0_seq1; 467 181 1209 LEN=1287; translated
MVVEARKLSDSIQKKAADGEEDNEDIVRALDAMGYDEAAQYVYGMAYPDWKKRHAQKASD
DQMEKFNESKPLWAAHDKKVLAKRSEELPPPLPVDSNGKNTADAPVCAINPSKDNNGTT
TKPSLLSNVCCEDIDSIDH SKPKTATENTLSSAVQSTASSAFAPPDLPADLSFSLGILTV
SDRAFSGGYETGDL SGP AVRQAIESILESSAGATLEGVETAIVPDESEAIQQKLTGWSS
SAAPLDLVITTTGGTGFAPRDVTPEATAAVIERSCSGLMAFCGMHTRSQQPLAALSRTAG
VRGKTLIANLPGNPEAVRELLPVLLPLALRAVADMKT TMGEF
>comp5886_c0_seq2; 536 55 1266 LEN=1344; translated
MATEIDNP NYVETHLPPSVIKRLESGAFEQLCTHLRERSDEVQNI DLM TVSGFCRNCLSK
WMVVEARKLSDSIQKKAADGEEDNEDIVRALDAMGYDEAAQYVYGMAYPDWKKRHAQKAS
DDQMEKFNESKPLWAAHDKKVLAKRSEELPPPLPVDSNGKNTADAPVCAINPSKDNNGTT
TTKPSLLSNVCCEDIDSIDH SKPKTATENTLSSAVQSTASSAFAPPDLPADLSFSLGILT
VSDRAFSGGYETGDL SGP AVRQAIESILESSAGATLEGVETAIVPDESEAIQQKLTGWSS
SAAPLDLVITTTGGTGFAPRDVTPEATAAVIERSCSGLMAFCGMHTRSQQPLAALSRTAG
GVRGKTLIANLPGNPEAVRELLPVLLPLALRAVADMKT TMGEF
>comp5887_c0_seq1; 325 291 971 LEN=1419; translated
MTRGLNPATTFSAEDVQTLRNVRDIY YQGIIGGGLG LCGGLV TYTGAQWARKLGF IKGK
SLNRNTGMLVVLSSFAFGQFFMASTTGKELVHLLHPIYDGWKGDPSSTNDERANHNASSG
LVDPKRLREMYRARRKSLMETLHHQKGGISDSHSGHWVEERSSEEGAHDV GSESPAQVDP
QRLREMLARRKSLMDTMFHQNGGISDSHSGRWVEENSETKFKKEY
>comp5890_c0_seq2; 440 314 1619 LEN=2293; translated
MTASVLP SHLSQAHVKNVRLCGSIPRIALSMMQOEATR RPQSAPHLPMFTSSDRQDMFL
KSNI AVSEKDENC VAKQLCSQLSTVKQQLEQTFESQKLTTPQHSLFSGTIPSTLRRTP
PTYEAPSWAVPATGESRLEXEHGLSNFCTSESSMPIVLQNQTNTNAXFLCFVSSQP VFD
VERQAPVDLTSRAVFRVGRSPQSDVQLMHVTSRRHAMVFHHTNGSCYLVDCGSAHGTFI
NGVRISSTPNDSNVVPTRVRRGAI VRFGGPGAPS YMLKSF SFGLEQMKETLIPDMNEYA

ANLPTPMLTAMVEHNTRFNLSLGSASKEELMVQRHFSKRSFDSMETVLDQCSDDEMDEN
RHTAPVRLSSPPMSPEQPLRLVSPELNCSTSSQTPNFKRRRVTFSDETLLAVYPTLVTPD
VSSDEQDQDIECCS

>comp5890_c0_seq3; 492 314 1513 LEN=2187; translated
MTASVLP SHLSQAHVKNVRLCGSIPRIALSMQQEATRPPQSAPHLPMFTSSDRQDMFL
KSNIAVSEKDENCVAKQLCSQLSTVKQQQLEQTFESQKLTTPQHSLFSGTIPSTLRRT
PTYEAPSWAVPATGESRLEPVFDSVERQAPVDLTSRAVFRVGRSPQSDVQLMHVTSRRH
AMVFHHTNGSCYLVDCGSAHGTFINGVRISSTPNDSNVVVPTRVRRGAIVRFGGPGAPSY
MLKSFSFSGLEQMKETLIPDMNEYAANLPTPMLTAMVEHNTRFNLSLGSASKEELMVQRH
FSKRSFDSMETVLDQCSDDEMDENRHTAPVRLSSPPMSPEQPLRLVSPELNCSTSSQTP
NFKRRRVTFSDETLLAVYPTLVTPDVSSDEQDQDIECCS

>comp5891_c0_seq1; 281 249 665 LEN=852; translated
MREFQHVFGDKYLRNDDGDEMGRGIGDVSSASASTSTLSAELLAIPTNQHARHDLVAIGD
HIEAEKDRLLNCFLEFGEEVCSKIQQAGYWADYIDPCSGLPMLTKNCNKVYSEVDGMECL
LNYRAYNAGFCKVLTHPRW

>comp5892_c0_seq1; 371 94 1431 LEN=1535; translated
MISRTCHIASFILIAVSFLIGESQGFTTSPSGSNHRQGRTOHTLTYSAVDEFSLAETELS
LLKKAKKGQKVTASPSQSMYGKNNADELLDAATQKATIENEFKRRITAKVRETGTDSMKH
YIKSMCNHELLNKNEEIIILAREIQILLKWEKQREKLEEEELLRPPTYAEWATSIRTNMTVP
ELKKQIRRLRAKTALTESNIRLVVSIITKRYQNRGMAFQDLAQEGILGLTRACEKFDPER
GFRFSTYATWWIKQSIMRAIADQGRITIRLPVHIHDQLSALRKAERELKSDFGRQPTTAEV
TERTGFTSERIDFLNRVSQQSISMEQELTSSKVKGSGAGVGGGGNSLTIGDMMGDPDQK
PVDQASYQMLKDDLSRLICTLNSREQAVIRMRFGGLDDGRPKTLEEIGKRFSVTRERIRQI
EARALHKLQRQPYRNHAVKCYVKEYS

>comp5894_c0_seq2; 240 1 618 LEN=850; translated
YDRLRGKQVETIDNRQSTTLLSSTTVYHVLNNPTGTSTHFENPKSPAIRQQRHENMFSSR
SILLLIALVVAVSAGTSKEGLEFLAKKATEEGVVKLESGLMYKEISPGNNSGKKAKVNT
PECHYAGTLIDGTEFDSSYKRGQPLTFAPNQVIKGWTEALQIMDEGAKWELYPSELGYG
DRGAGASIPGGAVLVFTLELIDIKL

>comp5895_c0_seq1; 535 493 2370 LEN=2544; translated
MRGISVETKDTLFEIKGGKGN SAVANGGGSRKKRKSAGGNSKGGTASSTTKARKKAS
QEGYFRLKVKDNGCGMRHDKIPDLLGRVLSGSKYGVRQTRGKFGLGAKMALIWSKSTGV
PIKITTAHLLVPKSKSKAYNIDTSSLEPPKVVSTCVLDIDITNNCPNIEHRLRKNEDGW
VGTELELVIAGNWTTYSRIVSYFQQLAIIPTPYARLELVYENRSEPHRNVTVRHDRSEQ
MPPLPKEIKHHPSSVNNIIVSQLIERSNHKTIIELLTKELSCVSRALAVRIVKECGWDK
DIIEPSDISGRDLTKLVQVLRVTKMFKAPDGSCLSPGLEYNLNLGIRKVLPEFEVATSRD
KPSAYEGHPFVVEAAVSLGGKEAKEGLNVVRFANRIPLLFEAGADVCTRIVATSKINWSLY
KIDQKRDKIGVFSIVSTKIPYKGTGKEYIGDDITEISVSVKALQLCCQQLRVHLVKRN
ALRDQRDRKSKLVKYPDVSRSLSFALLEGMRRRDDIAEGVNPMSPPRKRPRREQHWQEK
HVDTVVEELEKGDITISIRKSLEETVDAQNLNEEQEEAKKSKTKDRIPIFMKPMPDMN
SNFDIDHPLFTFRPMVCPVMPVVDK

>comp5895_c0_seq2; 600 114 2264 LEN=2438; translated
MARVNSSDSGSSTTKTKTKTSEGGQGEIQKQSPAEFFADNQAIAGFDNHGKSLYTSIREL
MENS LDACESIGVLPISIQVQIEELTQDEFNIMRGISVETKDTLFEIKGGKGN SAVANG
GGSRKKRKSAGGNSKGGTASSTTKARKKASQEGYFRLKVKDNGCGMRHDKIPDLLGRV
LSGSKYGVRQTRGKFGLGAKMALIWSKSTGVPIKITTAHLLVPKSKSKAYNIDTSSLEPP
KKVSTCVLDIDITNNCPNIEHRLRKNEDGWVGTELELVIAGNWTTYSRIVSYFQQLAII
PTPYARLELVYENRSEPHRNVTVRHDRSEQMPPLPKEIKHHPSSVNNIIVSQLIERSNH
KTIIELLTKELSCVSRALAVRIVKECGWDKDDIIEPSDISGRDLTKLVQVLRVTKMFKAP
DGSCLSPGLEYNLNLGIRKVLPEFEVATSRDKPSAYEGHPFVVEAAVSLGGKEAKEGLNV
VRFANRIPLLFEAGADVCTRIVATSKINWSLYKIDQKRDKIGVFSIVSTKIPYKGTGKEY
IGDDITEISVSVKALQLCCQQLRVHLVKRNALRDQRDRKSKLVKYPDVSRSLSFALLE
GMRRRDDIAEGVNPMSPPRKRPRREQHWQEKHVDTVVEELEKGDITISIRKSLEETVDA
QNLNEEQEEAKKSKTKDRIPIFMKPMPDMN SNFDIDHPLFTFRPMVCPVMPVVDK

>comp5896_c0_seq1; 233 132 1042 LEN=1042; translated
MAGVGCNNILLVKVGGSSITRKALETLDAESLAWFSTTIRSI VNRFLDDAAGNVVETS
TEFDCEKPSIVVVHAGSFGHHTAKKHGLGKSSPPPDGMNLTRDLVTGIARTRQSVKKL
NGAVVSHLIENGVNAVGISPCLNVPGLMTHGGDEYNGVTVLVQSIRETLSAGLVPIHGD
AGLYGTYRDP SARDRFQSMSAGILGGDTLVEIIATHPLIRRKISKAIFLTVDVNGVYTKDP
KVFQDAVLVKNIFIDPVSGDMNEVSASGSQHEHDVTGGLEGKLC AATNVAKTGIPVVVA

KCGS

>comp5896_c0_seq2; 179 132 1144 LEN=1144; translated
MAGVGCNNILLVKVGGSSITRKALETLDAESLAWFSTTIRSIIVNDRFLDDAAGNVVETS
TEFDCEKPSIVVVHAGASFGHHTAKKHGLGGKSSPPPDGMNLTRDLVTGRKKSGGCSTGF
VCGCMERKKINEGSSDTLHCRKVLRGHAKAVKLLNGAVVSHLIENGVNAVGISPCLNVPG
LMTHGGDEYNGVTVLVQSIRETLSAGLVPVIHGDAAGLYGTYRDP SARDRFQSMSAGILGG
DTLVEIIATHPLIRRKISKAIFLTVDVNGVYTKDPKVFQDAVLVKNIFIDPVSQDVMNEVS
ASGSQHEHDVTGGLEGLKCAATNVAKTGIPVVVAKCGS

>comp5897_c0_seq1; 460 1 1192 LEN=1296; translated
XPFEPHCTGHTPRNSDRSEQQHRRRKMWGAITAKAQMLGDSAANKAKQAKLTADILMIDN
SMDSRKRAFGIAMYDYL SPLTKSADFYAASDKLTELVRPNIILAQKEIQALAARRVKQKE
ALAKAEADRAAAFPTKAENYGQKLFNIGKAGLYHGGEAKIKTELTVTDRLIKGHKEDFGV
ALFNFAFAEAEDEKGF LPTDRQIRNVYDTCRQDLTTLEQQKKAKEDEIVELGGRRVSSETP
SIVQKPSAVPANATMNSTGANSTFVAASTFMETNDAPFSATNQNTGYGATTTTPQQSAPFP
TTTQQSPAMVQVAGSGIFSHIVPSNASAPASGGYSNAGPFHVSQGGFQNGAPNNAFA
PQPAAAPVDPFSAFTNQPPSSSSQQQGSADPLVGGF

>comp5897_c0_seq2; 469 309 1334 LEN=1438; translated
MIDNSMDSRKRAFGIAMYDYL SPLTKSADFYAASDKLTELVRPNIILAQKEIQALAARRV
KQKEALAKAEADRAAAFPTKAENYGQKLFNIGKAGLYHGGEAKIKTELTVTDRLIKGHKE
DFGVALFNFAFAEAEDEKGF LPTDRQIRNVYDTCRQDLTTLEQQKKAKEDEIVELGGRRVS
SETPSIVQKPSAVPANATMNSTGANSTFVAASTFMETNDAPFSATNQNTGYGATTTTPQQS
APFP TTTQQSPAMVQVAGSGIFSHIVPSNASAPASGGYSNAGPFHVSQGGFQNGAPN
NAFAPQPAAAPVDPFSAFTNQPPSSSSQQQGSADPLVGGF

>comp5898_c0_seq1; 229 1 900 LEN=1135; translated
XSSFTWVSNAMFYIMLCRMLSNDVVCFRCAVSRFWEQKRTTSIHFNLLRDSIQFKSNTI
ELTPRPFFAVHFLLFETNRNTVGEVGLQYRLKGYGIPVDLTPLTDSGNIKTMYLKQWLR
LRKIIETGITPSGVKTSTVSIIECPGSNDVIFRPGTSM LCHPGNVAFRGLIEAKQNRITV
KRAEKEEVALEIIQEVRSTGGRFLMWDNGGWSELNDIPLISVKISISYRDFKTKVKTIV
QQHQEQQRKQNLASATNDFLPGGDKKRKRSMIPTFCGTFEXATNNDYHDNDDNQIAID

>comp5898_c0_seq2; 462 110 2067 LEN=2302; translated
MPPNSQQQSNANAI FDEMVDSSDENQAYATSHSSKTASDFDTRIHSMGCEYNGKGNINA
NANVNVNNETRDRGRSTKPRRTKESDDLDP SAI IKKYEIQCSNMGSSDQRM LGS HHQL
HPQSQQQAAPNTQGLVGEEDADTDSTSSSTAASAIATATLSEAGSPFASGM DVDEMLSR
ELLKLSFQDRIANDEEIHGVRCLAPEENRLLSLALASLEREIERIPYKPAYDKAQAYAL
VPRFAKTSYVNTDDFRLRFLRCELFDVRKAAVRLIGYLELMVELYGLFALQRRVKLQDFS
KEEMQILRSGGFQVFPFRDRSGRRVMCTVGNMGMDFPTLRLKANFYFWMTAAESVESQQ
KGVVFLVWPGPNDTLRAIPNQTDRALHCKCNAAPIRIAAVHFCLPNKPFHLLRNIMAA
TLGLAYRLRLKFHVGEVGLQYRLKGYGIPVDLTPLTDSGNIKTMYLKQWLR LRKIIETG
ITPSGVKTSTVSIIECPGSNDVIFRPGTSM LCHPGNVAFRGLIEAKQNRITVKRAEKEEV
ALEIIQEVRSTGGRFLMWDNGGWSELNDIPLISVKISISYRDFKTKVKTIVQQHQEQQ
RKQNLASATNDFLPGGDKKRKRSMIPTFCGTFXIATNNDYHDNDDNQIAID

>comp5900_c0_seq1; 95 1 283 LEN=1256; translated
XNEDLGVLELLDKPTCILNSNNDTDSIMNNNVEDTFVDYAEVEIDGVMGDTDS SPLYRTIV
VTLSATMFGTVLASFQGM LCGEGASITREYAG

>comp5901_c0_seq1; 337 217 858 LEN=858; minus strand; translated
MVRLADARCPVPFSSAPAPSYLRRVLD FRAIRRALAVPLATTGALPALKPPALLPPKPGA
PPAPMEKPPFIPRGGGLPMFDGWDFMKPFDGAGAWFSLVLPNENCEFVGLGWL PNDIGF
ACWGAGAPNDGAVAAPKDGAGAAAPKAGTGAPPNDGAGAEDAGAAAPKAGAGVAPKDGAW
ADGAGADAPKAGAGADAPKVGADGAGAVVPKA

>comp5902_c0_seq1; 585 139 2967 LEN=3163; translated
MARFSRNVGARTEALIYRNRVFW SLLVFATAWLCVMMSFVPKLLIGRVGEETKAWSLSLK
GGDGARIFSSYPFQSLPGGDAVSGVVFGRGEKTRSYEGERIFRSLPSSPPSKDTTTTPK
ALPLMDPAIRCKNWNVVTTIFDPSEAVRRASWVEGWCTVIVADTKTPEGYMEKLRNMGGI
VGSDESRFIRTGRRRSEKQEGKDEDEGIVVFLSIDDQKEWMKLERGSSSATS DSTAVGK
FLEAIPFRSFARKNIGYLYAIAHGAQKIFDFDDNLLPVSLGKDGEERVFAPFHNRDALE
NPAMVVTGPTAFNHHNIMGISVNGT SWPRGFPLTQITNPATRGRIALESKAFRDVP MSEI
GILQFVADNPNPDVAIHRLVQGMNPTTGETVHFKRHVKYDSNSSREEAANYNTVSEIS
TEGSLLVPSHAYVSFNAQATVFT HQAMFGLLLPHTVMGRVADIWRAYFSQRIFREVRTPK
RESSFGNDGLKVVILPPDIVQERNEHNLLGD LQSEEHLYCRTEALLSFLDKWEYEGDKDG
DNRSIPAMMEKLWIGLYERDFIEKQDIEVLQLWLSALVEVGYEFPKVQSN SARQIRDVVV

MGQFNYGSSKVADNQDELMTNLLFWYQKWRQRFRKVVIRGPF SADLAKEFSEQHEIDVE
STRDRLSHDKGFVSPMDNLLSTLKKYEDDPTISGVLYVHDDMI VNVTVNFDG VNRRTTTLV
GTRFLTAPQPYRIHPSWASNSKPNSTDKTLIFTAPDGFRT EKWYELLGHLENWDHNPECI
HQFSNIANDPRIKPYLEHDETIENGNPYLSVPYRMQADFLYIPTRLSRKYEEIANLLIEH
NAFLECGVPKIVQHVTASSNVIFKFVDLCTSF LNRRRTRGSLNMITRCEPEYANSQPNTPL
PSPHGAIHPIKINARGYKTWGM LFDWATSGTTRLNVADYEN

>comp5903_c0_seq1; 631 288 2645 LEN=2919; translated
MASSVAAKMMQVFARSKTAPMPIMKRARNRLISPSSITIRQASVFSHFITENTNTLTAKQ
SSVNAANKDWHSPFFMSDTTIAEKEAWLEDLLTETNNSNTNIISTTEHHQRNRESESSI
DVEAFLVVLKALASPAVEDAGAPRRADVMMNRLKLKNHYNIRPTSECYQYAIQAWANST
KEQSMVIRNRSQRWFNEIVGKSGDDLSSIIQPTYGNARTGQDSFNVEPTIECFNAFLDG
LSRGRQGKSKRDRQILLENAKMGEVILRRLHSLYTHR SKRENNSKNEMSHKNRDIKRQTE
TSIAIRPNTETFNFVIRGWTRCKHEPFIHERVLAAILRLMESYQRGNPAAFIVDRDAPRPN
TKSYCMAMDALISEAKRKARNYMQRRRNHVEFGDKYEETENTHLNGIDEINEAASILK
YLHDLYDAGVEGVVPHRVPYNILISGWAAIASFSQHKHYQTQNSNQGEFKAEEILRTM
ISHRENGFIEASPDVISYERVMLAWANSHPNAGKRALWWLKQLWKDYDLYPDSTSESSH
KSSLLPTVRTYNVVMKALASSDGALAAENMLLDLGEKYRGSTDHPGLCPNSESF SIVIRA
WLESAKQTRNVDERISSLRAYEWLSSLRGIENENNLSTPELFIGLLTMSKSCAKQRPH
VLDLAMQIFEDYRQSRHRLDCISYATLLQVGLRAHSRRSGEIREAFVEKLF AECDDGLV
SNVFI RTLVDDPSNECKNLVNRVSQDWPLPSSWSRNLKNNNNRCTLIDTKSSSERRVLR
RRNTN

>comp5904_c0_seq1; 530 226 1422 LEN=1853; translated
MKTSSSTLLGLFVLLILLCMISIMQSIHLMEHHDVHVTSEESIGNIPIDAMV SIGTEPLE
HEKMFEDTLKDCMPFVFEEDGDRKKNKKECKTFVPEGSKERIGVLAPPKMTSALVKFINI
VLAKAKKEGGDEIAATGAEVISTHMAPYGYGKTHGLTRMIRVVPQPLLLGTTDTLKA AV
QSSPTPMSLNDITINDLKAALRQQIRYHCRNLHIAAHTAMWTIGVEDFAEIGREVLVETA
QEFFSLDMDQDDLNLVINEYDKLGDDEENQGVVEKDDDDNSLAQLNMYADGAKLMGL
MQTKAKSEVRKAKAKEKTNDILKMLDDVLLDEM KISNNLTNWPCE SFWTVGEPDNRLELS
PIIRSISAAMSPNCTAPYTTCTFVKKDKCEAKGDGVCN

>comp5905_c0_seq1; 1272 46 3129 LEN=3164; translated
MSKSTKAPKAGPDPLLLSRKEVDVLYDVFDVVRKALALLNVEYIVTGGSL LGAIRQHSIL
FCDDDIDIAVIDHRCGEEDGGASAPSIYESVVVPR LQ SALDEVVADESND CRDRCVYQIK
PWEGGDRIRSKRYNSVFDLFLVLRKYPTLQSFRSVVGVKRNGRAQPEAYVDSILD TVQAS
IGARRAGNRD SHGSVAVEDADADARARESVFPWFQFATRKA IEMWPKEVYCAAGASSTE
PSNHRESPSQSMNTVDELFP LQTNLKLGLTGVCGPNMPVTLLKRAF GDDCFDVYRSL
HHQQKQS QNKSQAQSETQQQQQQGTEIKGTEGNKKDADLPPLVAPGGT WEDSPKVPLED
EHYLPMQPLARKRRRPTLHCKERLFEFLDVQAKKEAEERERFSLRQPSGSDAIPPSGGA
KTVYMDGVFDL FHVGHLEAIRQCAELGTRVILGVTGDEDATGYKRKPVVPQAERVAIVSA
LEQVDAVVCPCPLVVTKEFMDAQKIDL VVHG FANDADAERQKEFFEVP MALGKFQRI GYY
RGLSTDRIRTIQERDRQDQHRLSGDGENQAKDGSDEQLTIQTKGEEEEKEDSVAMSVPS
DVAEPRIQNGDGAGRDSL ANETAPTKTASQPNPQWFGAALAAATNDAPLLPTDFPPLSLR
TVIEPHIEKARRRRREALGAIRAATGEPLYDSVMKNFLRQQEQLRVGTTREPLEGNNSID
RKLSEGLSSLLSAGLPPD TDL SRLHEIPLLDGRPAKDRLLHSLTQNP GPFQTSYDAYV
RTVCI PRMASAIEASERRNGNESFCCEEIYYQAFPCRIVQPHEFSIGPHADVAYGHHPC
SINCYVSLTDPTYSGISSDINGDEMGS SPSSSLFLESRPGAEDWHALFSGNDEGFPRLEL
FAGAMNLHWT TENKTPRTRVSLDFRLLDGRV FQSLKCGGHLEGGQMDVYRATPGYYHRCL
RSKEPVTKPVAQNKTGGTWD SWIRDKDYL NNGSGGEFPHPDFRVGFPWTVKNWDKFWRK
NTKPDDK

>comp5907_c0_seq1; 473 577 1779 LEN=2123; translated
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DKDCQGGRPDYGDASIEEILHLITVGA AVYPSKWGGSFESEVGVAIEEANGNCGWHDG
NYVNPSSNKCSGQYAFEGVYKNCRSCEVWVLM EGIYWAVVSYIGGLYTI GRAEFAMNE
WLMSTPDSNMEITPSGVTNAISLEAGSPALYAMVSDSTSEGLHLWLP T IMPNGNYKGFDDN
PPRPTLPPAPDKSPTSPTYDGTSLITSTTTSGCIDDKDFR FKNKEKKSCEHWVAKGADK
LHKRNVRRAIKRKRKYRNKR VWEYCPATCALVDLGDC A

>comp5909_c0_seq1; 474 357 1490 LEN=1701; translated
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GNNGGEQNQEEMEAFLMDFSMKFMECIPDQVLTADADYNDHFGVVIFRLCPANSCSDNSGC
KSGYADFAVDVGTYYVDAFLTDQADNMNWD DDKFDGDEMGECTQFKAEGGNDGVSYYVGP

CTSDGKGVKLGFLFEDQYCYQESETS FETISNGWGLPY SNGGLVSTQCT SCTEDGGLREMC
SDLYENSPHRCEKEFDKHYDYDTNFEMYRYGQDTTGCTKIDVMLNPKGVFSQGA VWTDA
ILAVMLLVVTGAGYAWYSSWWEEQKLNLEEIDDDDEDSQAYHLGGDEDEDHSEFSQHGA E
LNDSTLTPEVVAEGTMA

>comp5910_c0_seq1; 574 238 2376 LEN=2459; translated
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NPVRS SPHIRKLTASN RWGADCISQMNKNLNHYTL SNH SRDGLV VSSSHSSESRNRWY
PDELKLP SRGNSSSSNNKNGKSNDT NSTDPSIRRGVSDSCLTMPRRSWKQQLEPQLEIEE
DSTEELVEQLLNAKT NANTNTKRIVSCNNLSAYIEPNHTTATPSSDIVQAKKALAKSFC S
QKSSSEDLKAASKAVQRDLHRVDSMELPNSRCNHKFP TQQQPRKQQRKSKRPVAPGGP
SSTALLLNRRLLDI ISSPDGQESLRRLT SAATAPGECV PKPAVKDKEEISNRLLDKTVS
TSTL KLLQKRRQTSSKTNRITVYKSIDNSSHSIYSSVGEGESAFSSSTRSKRRNNSMKKIT
RSSSSTVSILEKALGEMAPKV KTTSTKTKS KTIATSNSKSTSPKVSKTSSMP SRSGKKL
ERSHGVP SRSGRHTSSRRERNS IDEEYSRSIQSRNDS SSKMLLETTIGDDKPLPRIKKV
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>comp5911_c0_seq1; 832 1 846 LEN=846; translated
QQQQQQQQFPMSNAVPPPPPSLSQDAIGNDNSNGGGIAMGGGMFMGRLTQFLDVVAPQQE
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TVQTNQAVVAPIPNHPPPPPPPPPPQCQANDRVDESFGGETLLSSAAVGTASTLGAANDV
LDTDWETNDPNSNNDVGGGGWDDDDDDGFSFGDDAMEP VAMGAE EADENKPLQSPPEPVH
VVPPPPPPPPQSNFANNNDVHVS VVENDDDFGLDQDGDGWGDD

>comp5912_c0_seq1; 541 1 1551 LEN=1683; translated
XVLFGN NISIRLLPIQIRFDLKPVAFLSCRQDFGWL R DENLRCHR TTTTCRFLHGLGGVS
ARCWNPSICL FVIGVGTIKSVEKTIESINASAKGRKPRGTAENGGETSGNDEECGYD H
VPWLGSV SSTNGQGIDEAARYEELPPSVFSPTGRLHPVEAAVRAGKVATPLSNLLVAIKC
RDG LLVVSTYPVSPNVDARIASLAGSNQNTNISSASIQQGNDDNSGHSDDGIESNQTTN
ETLDVSGSNNSNPHTGEESH TYP SLFLFEETCASTSTGPIFDIHP CMV GATAGNAVDNRI
LGEKLLDLGLATTNFEEDDPLAGAADRVAKDLANQLQVVTQDITATQKQRLGRMLASSAV
VLGNKKLWRIDPTGQFWDQATV LGHDADRAEEAFCCRLF EQCERRHGDDKNGIHPREL
LESMT HDEAFEFAKEFLRHQTATQRQPKSNTALRSSDTKASIDASATKEGGIELPVTELS
SQTYWQAVILDYASLTTRGT PRRILRRGSFGIQNKE

>comp5912_c0_seq2; 355 115 1092 LEN=1232; translated
MRICGAIARQHAVSCTVLVEFLLVGILLSASLSSASVSPSSRSIKTIESINASAKGRKP
RGTAENGGETSGNDEECGYDHPVWLGSV SSTNGQGIDEAARYEELPPSVFSPTGRLHPV
EAAVRAGKVATPLSNLLVAIKCRDGLLVVSTYPVSPNVDARIASLAGSNQNTNISSASIQ
QGNDDNSGHSDDGIESNQTTNETLDVSGSNNSNPHTGEESH TYP SLFLFEETCASTSTG
PIFDIHP CMV GATAGNAVDNRI LGEKLLDLGLATTNFEEDDPLAGAADRVAKDLANQLQV
VTQDITATQKQRLGRMLAVRCD CDVW

>comp5913_c0_seq1; 635 228 2207 LEN=2263; translated
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VSSGVSP TTNQGSQLSHQ TGMSKPESEESLNIARKENMAVMTWRLVMFGVLIVTTVAVAV
LVFLFVSNTENQEFVKSFDVDSNKIEESLLSTMDTKLEAVDSLAMFMVTNAREKNQTPY
TTLNDFGSKAAKMRILSHAIALQYVYVTEEQRPEWEAYAKANEGWVQETIEIQREDTTF
SSPTYIPDYDTNHSTSIRYAGVPNGTGPYPTPTWQTYPMLPTGTMSAYNWNAIQHRL LGP
GIEKV VADHKVIGPVLNFDDSNEGSGTNRMVVWAGRHS SSPDVNPKEPIIRVLYPILDT
ATGAI TVDEEDSKVVGIIASSFYWKSYLEN ILPNDENGLV VVFENACNQTFTTYQINGHEA
EWMGTGDLHEPEFDGMGKTLTFEEIGMNSANS GGRYGGLPIDMDYCAITVKTYPTVMKD
SYQTNEPVLYTIIAVGIFVFTALVF IGYDKLVSMRQKKVMSTAVQSTTIVSSLFSPNVRD
RLLEGNGDTKAANNVTGSIFQPTKSRLRFTFLNDGDSSTDSTKPIADLFTDTTVLFDIAG
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>comp5913_c0_seq2; 1044 228 3788 LEN=3837; translated
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LVFLFVSNTENQEFVKSFDVDSNKIEESLLSTMDTKLEAVDSLAMFMVTNAREKNQTPY
TTLNDFGSKAAKMRILSHAIALQYVYVTEEQRPEWEAYAKANEGWVQETIEIQREDTTF
SSPTYIPDYDTNHSTSIRYAGVPNGTGPYPTPTWQTYPMLPTGTMSAYNWNAIQHRL LGP
GIEKV VADHKVIGPVLNFDDSNEGSGTNRMVVWAGRHS SSPDVNPKEPIIRVLYPILDT
ATGAI TVDEEDSKVVGIIASSFYWKSYLEN ILPNDENGLV VVFENACNQTFTTYQINGHEA

EWMGTGDLHEPEFDGMGKTLTFEEIGMNSANSNGGRYGGLPIDMDYCAITVKTYPSTVMKD
SYQTNEPVLTYTIIAVGIFVFTALVFIGYDKLVSMRQKKVMSTAVQSTTIVSSLFSPSNVRD
RLLEGNGDTKAANNVTGSIFQPTKSRLRTFLNDGDSSTDSTKPIADLFTDTTVLFADIAG
FTAWSSVREPTQVFTLLETIYGAFDNIASRRGVFKVETIGDSYVAVAGLPDPRKDHAVVM
AKFARDCRQQFSELCSILESSLGPETGDLNLRIGLHSGPVTAGVLRGQKSRFQLFGDTVN
TAARMESTGTVNKIQVVSQATADLLRAAKKSHWLQARTEKVEAKGKGLMTTYWVEPKNYAS
SQASTASTALSHEVQFSSTRVSSQTQRLISWNIDVLERLLKKIIARRIALKRKATPVNWS
KPHKNMIVLNEVKEVIKLPYDSKYHYHAENPDSIILEPRVKFQLSQFVTEIALTYHDNPF
HNFPHASHVGMVAKLLSRIVAPDQDFEHEQLHDHTYGITSDPLTQFACVFSALIHAD
HPGIPNSQLVKEGTEMAKLYEGKSIAEQNSINLAWNILIEEKYPPELRKTICETQQEEAR
FRQLVVNAVACATDIIKDLKSARNKRWEKAFSTTNPNLKLDQDLINRRATIVIEHIIQAS
DVAHTMQHWHIYIKWNERLYAEMYKAYVEGRADKDPDTWTGEGFFDFYIIPLAQKLS
ECGVFGVSSDEYLNAYAIMNRNEWEKKGKDVVASYEKKYKDDKALA

>comp5913_c0_seq3; 575 228 2299 LEN=2299; translated
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VSSGVSPPTTNGSLSHQGTGMSKPESEESLNIARKENMAVMTWRLVMFGVLIVTTVAVAV
LVFLFVSNTEQEFVKSFDVDSNKIEESLLSTMDTKLEAVDSLAMFMVTNAREKNQTPWY
TTLNDFGSKAAKMRILSHAIALQQYVYVTEEQRPEWEAYAKANEGWVQETIEIQREDTTF
SSPTYIPDYDTNHSTSIYAGPVPNGTGPYTPWTQTYPMLPTGTMSAYNWNAIQHRLG
GIEKVVADHKVIGPVLNFDSDNEGSGTNRMVVWAGRHSSSPDVNPKEPIIRVLYPILDT
ATGAI TVDEEDSKVVGIIASSFYKSYLENILPNDENGLVVVFENACNQTFTYQINGHEA
EWMGTGDLHEPEFDGMGKTLTFEEIGMNSANSNGGRYGGLPIDMDYCAITVKTYPSTVMKD
SYQTNEPVLTYTIIAVGIFVFTALVFIGYDKLVSMRQKKVMSTAVQSTTIVSSLFSPSNVRD
RLLEGNGDTKAANNVTGSIFQPTKSRLRTFLNDGDSSTDSTKPIADLFTDTTVLFADIAG
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VVSASASFCQTIGDSYVAVAGLPDPRKDHAX

>comp5916_c0_seq1; 303 1 1601 LEN=1701; translated
XSSSSSSSPGHATAIRRWEDPKGNIRRLYQWHTNLSTISSSTENQLAANKRRLALVGR
ILIAPEGINGTVSGNRAFVEAYVERLREYDSVFGATETGGSNITDADLRIFRDVDYKMSY
DSSPEPLFPDLKISIVKEIVSTSGLDVVDVPLETGKHLTPEEFHQVLEDSKNQEQSKEI
ALIDVRNTFEHDIGYFVDPRTKSKAIDPETTTSSFDKFCERNAEELRNKKVMYCTGGI
RCEKASVLLKRRGVEDVNQLSGGIHRYLEKYGNTGHFKGLNFTFDKRVAMKPNFATEFCN
DTGKDLESDDHKAPSCDDTKDDSYDIVGRVCEDDPFDELCSRVCTVCRDLVLVCEKCR
SRSSLREYHCKRHSEWKNCYFSFLEIFDLNELEAQLNALRALRDEDSMAKSVRRTLTRQI
NKVESRIRAVNDGSQSVKDNAPRRCRSCQEVLGQACDGKCGWGFWRKVEVLPPLTTNENKT
QGVGICDDSKNTSNDSTKRAKIAAKRGRRAKQKLEAEMEFLRPPAGSTLASE

>comp5918_c0_seq1; 275 1 1583 LEN=1752; translated
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SARVDIELPLQEWEDNNDDDIKLCIRFGIEYPVTNEVVSHIDLPMPTINAHNGEYVGSFSA
SGQLADDSNVVTSLTDIQVSDKVDVQAFLCGVPVQGITGLGTPSATHYKVGQKFRICV
DIMEVDHTYYVDNIKKMVCKVEGQYEKTIIEDGMATDGLTDVKWSGDVSEGWIQIGIVER
QKVS GGVTGSVVTSTVVS GYVGADAGTIQCEGTVEARLWAEANALYSLDNDVEVHYIHTL
PIGVA FKECYDLCELESYWYYGLQCLNIDEGVIDCVC SNPNYVSGGSVDVFHYPELPRRI
EQTDQFTKNRNSGECSDIEIYSGFFLGGFNYPFVYETTYKRRLQESNAETESEEFGFSI
TIGIQNEVDDLRLQDLAAPGADPKVWTIADLVAGLATAVALAMAAI

>comp5918_c0_seq3; 315 1 1567 LEN=1736; translated
XVGAPVAPPTEKPVAPPSEKPEPADPTPRPTPAPTLSNFRIMFRQDLFEDVVKDDNSITF
SLRFEHFSDPCTGCSLVARFYSYTDENRCVTSNDSETPIPQIAYDTEMPKNAYHEITRVD
IELPLQEWEDNNDDDIKLCIRFGIEYPVTNEVVSHIDLPMPTINAHNGEYVGSF SASGQLA
DDSDNVVTSLTDIQVSDKVDVQAFLCGVPVQGITGLGTPSATHYKVGQKFRICVDIMEV
DHTYYVDNIKKMVCKVEGQYEKTIIEDGMATDGLTDVKWSGDVSEGWIQIGIVERQKVS
GVTGSVVTSTVVS GYVGADAGTIQCEGTVEARLWAEANALYSLDNDVEVHYIHTLPIGVA
FKECYDLCELESYWYYGLQCLNIDEGVIDCVC SNPNYVSGGSVDVFHYPELPRRIEQTDQ
FTKNRNSGECSDIEIYSGFFLGGFNYPFVYETTYKRRLQESNAETESEEFGFSITIGIQ
NEVDDLRLQDLAAPGADPKVWTIADLVAGLATAVALAMAAI

>comp5921_c0_seq1; 284 72 868 LEN=938; translated
MENSFLALPLSVLVTQVSSFASPSTAVALSAGARSWQEGPLALLNDNNQDNHYAPSRAE
FLSKTSSAITAAASLSLVPIDPAFARGRATLEQAYDRYSSRIIDGGNFYKTMKTMVAKD
DWAGIKTALQEPKKTAKADNAKIDGGIQERAAQAGQFSDARVVLVALDLLAAQFSDNSISA

KTKAMKDVVEEIRSVVEMQSI CKQALGEE SAKGGFFGVGKKQASKKELSNRMKELYIIG
GTAWNRYAYEANAGIPKTVQQLPFL
>comp5924_c0_seq1; 525 1 1906 LEN=1906; minus strand; translated
XVYTRKFMVIESINLLREPSSVGLSRINNQT KFFHSSSTGFEESTLLEKYGDKMPGSNLNS
SRSTGGAAAILSRKRLPASGAGEESNGVRTTNNESR TTTIGR GDGNSIRDANTGIENNNS
SSARSSTSASTNSNNGSTRKMRRGSFRRTLMLQRNKRSNNGSSSSSHSKREGNAVDGGATP
ATAVTNQLPVSKRNSTYHDQSSAPVPLKGSV GASVAFAL EERETGAC SPTLTSSNV TTPV
RGSQQRHERLPRGHIETIRKHYGSNREGVLDIYEDVLKISP D ASDREIRIAYFRRGREIL
GDNASSIKINKKNQKAIKQLDPAIKSRFQAVSMAYEILSTPAWKEAYRKQGGILNTPGAR
ASPLVPKVVEQDGVGLSHPRITVGKKKQQEQEPDFVSYPLASRASFWENTNANTGNP
SAMFPTTFSSDPVLPAPSTASRSPKRLV GALRKS KFLGNSGDVDNSNSRSRRQRPSAS
VRWKDHVEELIFVNHPDEHGSSDEESSE EADYSSD DENLRGDDSTGNDAGNSRASSRPA
LPVAVDLYSEPADPGYNAQENNSNNSLSYSSRSGSGSTRRRKKNKARIVIDSEELSHLKL
MDSEAEKH FVQDFWDFEESMDGILTLVDSIGGGGX
>comp5924_c0_seq2; 582 601 2362 LEN=2362; minus strand; translated
MVNKMPGSNLNSRSTGGAAAILSRKRLPASGAGEESNGVRTTNNESR TTTIGR GDGNSI
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REGNAVDGGATPATAVTNQLPVSKRNSTYHDQSSAPVPLKGSV GASVAFAL EERETGAC S
PTLTSSNV TTPV RGSQQRHERLPRGHIETIRKHYGSNREGVLDIYEDVLKISP D ASDREI
RIAYFRRGREILGDNASSIKINKKNQKAIKQLDPAIKSRFQAVSMAYEILSTPAWKEAYR
KQGGILNTPGARASPLVPKVVEQDGVGLSHPRITVGKKKQQEQEPDFVSYPLASRAS
FWENTNANTGNPSAMFPTTFSSDPVLPAPSTASRSPKRLV GALRKS KFLGNSGDVDNSNS
SRSRRQRPSASVRWKDHVEELIFVNHPDEHGSSDEESSE EADYSSD DENLRGDDSTGND
DAGNSRASSR PALPVAVDLYSEPADPGYNAQENNSNNSLSYSSRSGSGSTRRRKKNKARIV
IDSEELSHLKLMDSEAEKH FVQDFWDFEESMDGILTLVDSIGGGGX
>comp5925_c0_seq1; 346 134 1123 LEN=1446; translated
MQHQELIHD TCTIDATPPLRRIE IYPPHLLAQKLN RAGYLIT TGDYDGSIAL LTKALKL
TEENVAADKSMQACCKYCGLESILGMSTDSRVSILESEKEDCTGVTADDFQQSACHACE
RDEDMNYS LGEDFN SFG LHGHPQKSY PASPSAFE ERVGFVYDRPFLVNKNSIEEGHFMGI
TSLIILVNLALAHHLKAVSSSYANSR SILLSSNMQVLRQALQLYE IAYQLHNDYIQKP
TKTLSTAQPEDCNRNIGSLRFTMILSNLGEIHR IAGNAIKHKMCLEHLLSAIMYMVDCN
IIMNSAEMDGFYHNVIPIMLTDNCAKAA
>comp5926_c0_seq2; 153 486 848 LEN=1135; minus strand; translated
MKRHNYATGSNKG RQFPDAAHLPTKTPKTGSI AVDWFGWITWLSYHV VLSYHMWERAVQ
QPIDFDKIGHEYDKNALPGHIVIRQGRYEYHGIIA AFVLDKNDHIRFTIVCTTGSHLELN
W
>comp5927_c0_seq1; 129 296 1066 LEN=1066; translated
MKSSSFFFTAFFSSFLSGVVHAEYDQGLVSDG SFLRRGLQAPLPTCTPMGVSPYEYTVY
TKISYEGVDFDFTNLTVLTQLED SFKTSYNSF IGCQTVSANAFKILGLTLVLG SNTTEKS
FLIGSSIRSNAGEFECTPAAP ELFSNATHPQV LSSPND C SCKGPTSTIMKNGYNIAIHTG
DCPQNI TGVKQLCMGACTENTTDV TYTNELVSI PCNLGTDVQSTPSKSPTKRPTKRPTKR
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>comp5927_c0_seq2; 93 1 387 LEN=749; minus strand; translated
GSLGSLGR TFRWPLRGT LGGSLRGT LRWTFGWSALDIGS QIARDANQLIGIGNVGGIFG
TRAHAELFHTGDILRTIASVNRNVSVLHDGGSGALARTIVGTRKYLRMRRIREQFRGGG
RTLKLSSV
>comp5929_c0_seq1; 802 107 2045 LEN=2063; translated
MTAARLLL VVFLAATTPTPVASAGSGSHDESDCLPWIAPSYITEQAATIPKFLFAGRN
YEQNSTLPLSELAIPLVDFDFEDFTRQRAYGAQV LALMENFMWTQEKIGSMWEGYFSSPAV
VPGVGILANYHSTYSNADFLHASMLLRETGDEF PKAGEASPSRGAVTPYFNATLKATQNI
PAGMEIFADYGEVWDGNFTENVFQDKIHR YDYHLADEMVKKLV DLYEKHPDMSLDMQEDV
MDFLIAKVLTTVAGPNAKTIESLIPANPRK LKQIQDMGGTFMYRYRDMVRSQEWLE TNGF
CLDTIRQEVSKIPDAGRGAIANRDIKKGETITITPL LHIADKTLTMYPVDEEEEFDEE
NGPIGKQLLLNYAFGHPE SNMVLVPTG PLVTLINHGGSKASNAKLEWAGEGDVLSNPGEF
FSYDVDQMAEVEDTVLVMKV VAKADIKEGEEITINYGT SWQTEW DAYEERWKQNRGKPH
PLKALDLRNSYKNKPLETGESLAANPYPENVPACFLYVRQFPDGRQMVHQEFGTEMNQF
ESPTRYEDYDTSVLYIVEVLD RREAPGFFYNYTVRASLG PETNDFADIHDVPHAACTFFD
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>comp5930_c0_seq1; 1076 119 3104 LEN=3104; translated
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MGTAQNTVDSTRDEENDGVI PRACHDLFNTIRERC DGQAKVDCSYMEVYNEEIRDLLIDS
EKNGGPKQDLRIRETLDGQIYVRGLTERTVTSPLDVYKIMEEANKRRVVAFTKMNASSR
SHAICVLR IKGVI VVADENGNPNAGDDGVSRTFEAKLTLV DLAGSERL KKTQASGGRAKE
GISINKGLFVLGQVVSALAERGRILSEIEEQKLNKPRKRKVLPPRKPYPYRDSKLTRLLQ
DSLGGNSRTIMVACCSPADFNVEETVNTLRYATQARNISNTATANLVETISQEEARKLKR
DNTLLKQQIADLESTISKLTQQVTPDDLERSMSILQQEQNFHQHQQAAAERAKRRMTVA
IVEEEEEEESSSDESDANSTDAAGLDRDTSRHSNTSSKDGKKLKNKINLEEHFERSARL
NDERSDDEGSLLADDIFDNRDKPLYERPKRSPKRSGGGAESVHSVKTIDEVEEDNVELEA
RLLLAERDVRATAFDSAVVLPALKRVRKQLED SLDES RWIQSEAEKLKEELVQTKSEKES
AQKAAKQLSEFMKKQKQDLGFQGNEVMMNQLYFCRHKL NEDWVYLVVIIVKYFKEEMRL
GDYFQLVSKIVDSPDVLG LLGTLNGKMRNDKLNAGKGWWSKEQKAKELETVEAEKRLR
NDMLRTHLQFFNERLEEVEDHVDYRSQSLEDILEVLTLERAVLQNEFESDEEVHDIQDLF
LRKGRKLLAELRVLMTTEKPF IKDNGNAEEKEEEEEEEASGIDEISRSAIGSTKKKKKVLNQ
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>comp5931_c0_seq1; 692 238 1939 LEN=2613; translated
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DALSSLAQTILALLSGDEDSAKALTGTAAEKRELIEQIFESYDACSGTLSVEEAHSLFI
DLSRSIVEEIIADSPSNDTAAAHSTGNGSDDSNEGSDDSNEDQHRGRIQQGEVARSHARRV
LDADENGTHTIERVATKLLLLADEHDGKISLTELASIFDTVQKAQSGDIDTFPQPLRAL
AGSLQLLPTEGTEVAEAAAGKALSWHIGVPGDDHTLRRVELERGLSIVGLGRSADASTYF
VPELGIVFDAGFHVKSLRPKTVLLSHGHRDHIAALPVHAADKAKIFAPGKLC SLIERFLL
AEAQLNYGDETTDEETIAALGGFDVNPVSDGDEVLLPRGSYTGSPKPLGVQVFSAPHKN
GVPVAVAYGLYKAKARLKEEYASLPKSELGELIRRDVQITESYNQGLLFYTGDTTIDLLRE
RYQEILPKYKHIIEHVTF LGQPSSSELDESTRRKGHTHYSQLHPWICAFPETTFV CVHWSL
RYSREDVLDFFDHQYGGV PKNVVLWV
>comp5932_c0_seq1; 287 114 782 LEN=939; translated
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TAENIGQVGYLASEEDQLLMEEVAKEAIPFSLDKPGRFQLKGEHQLVYSAE GASSGRVF
GNVVGKVSQLFEDDET FYNRVRFGPLEISLRAKREIKNDSTIKVTFLETSFNLF GKTLKK
GEVSGGGVWKV FVGEVEDEKGGKLV RIMETPSLFILEQDL
>comp5934_c0_seq1; 242 200 793 LEN=1180; translated
MIVMVGAF TTSLQQICLRNVVSQVNGFNPMYMTESRCNVVIRQGCSEVAVEISSQTRE
ANAASNQFLLDRRSYLTFLGLAASAAAATWSAFAQPSSAKSYSENAKNLERINNGDYSGGA
VFDNNPSTERGKKRRAMTGCKT TLSREEASNTILKR SKMLSEKECNQMMAGESEFMLQA
LRNLDCPTCANGIGRTN
>comp5935_c0_seq1; 378 158 1168 LEN=1566; translated
MRLQFSLLA VGALSAILDHSVVSALSVD SKSLRTSQNRLFQPHAGIAPSTLSQKAVTKAS
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ANEIIA ILLWMRSESSIP SLSLYFNVP GGLLR PALAIYDLIQQTKEQGVEIETCNLGLCT
GMGSFLCAAGTKGMRRAMPNSR FLLQRMGLDKPVRGQATDIVLEVKNIKMWNDRC EKELA
KLTGQPVERIQEDLKRDFYLS SDEAVQYGLIDEVLM PAPARRAASKEFAALGAFEGEEEQ
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>comp5935_c0_seq2; 286 1 782 LEN=1180; translated
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AMPNSR FLLQRMGLDKPVRGQATDIVLEVKNIKMWNDRC EKELA KLTGQPVERIQEDLKR
DFYLS SDEAVQYGLIDEVLM PAPARRAASKEFAALGAFEGEEEQKYQGREAAEGGGWGSQ
QQASPNKKDDDDDGPKIAKG
>comp5936_c0_seq1; 298 1 656 LEN=656; translated
XQEQEPEQEPTQSGSNAKANAKANAKTKTKDGAEDHQVSVPTQTFSKWSFAERLSEAFCE
GIDHRFSCGVGRGMEVYHDYDDKGHAQD DSILGNDGDAKGSKEQEGDHGISGFRLAKQL
SSDSSAAHGDDRPSPAEPYSTNQIHRHKAFVSEYHKTRRATIHIRERERKETDAACASDS
KESHLIRTQNDTTQGNHRGWGKASTTIIASNSTSESASNT
>comp5937_c0_seq1; 361 61 642 LEN=1975; translated
MSEANA AETTKAPEPVAPAPAPAVVNT PAPAPAVNT PAPAPAVNT PTPAPAVNAPAPEK
PADDAPAPDGKPAEDAPAADKPVEDAAPVSDIKVGSRVAKKFKKRNY YGEITEKWTDDAA
KAPRWHVKYDDGDEEDFNEKELARAVRLYEKVKKNDQKINPRKPRSTPTKRKSFDGKPPP
RSNKYPKRKSTGK

>comp5938_c0_seq1; 380 429 1793 LEN=2351; translated
MLRYPFQONQNSTYSDRIPSLPHSAIKTKNFNHNLQAKTNMPGLHFYFHDNHDYHFSNNGS
KMSLGMKRFCKTCDDDAGRHITKSHSSVFLNRNIGTRLSDPVQEFALPNNSHRRGLFDSI
SCDRKLNLDILATVSNDDNDPMFFPLTDLKDSRLNVESSQTWIAGGRSPEFVDLDSRSFP
PASSHLRFLFSKDSTRIDSTTSSSTQLKPKPSTYTSARINTDETTNPSLRKGNIVVLFAS
DTKKNHPNVKNKATRARFSSHPSNVSRKPATSSSTRHKHWTREDEILRHAKAKESRGKIF
WRKISEQYFHGTRSAAQCRVRWNNHVQPGIVRGKWD SHEDQIILQMVSKGCSWKRIADKL
PGRTNENIRYRFINKLDPKPKKTAWTKNEDDILFTMQRRIGNKWAGIAKFLPGRSDNGVK
NRYYNKRNAFLRKTRLPEKERNGSDETYSSWEPV
>comp5938_c0_seq2; 176 1783 1962 LEN=2520; translated
MQRRIGNKWAGIAKFLPGRSDNGVKNRYYNKRNAFLRKTRLPEKERNGSDETYSSWEPV
>comp5938_c0_seq3; 331 429 1877 LEN=2435; translated
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KMSLGMKRFCKTCDDDAGRHITKSHSSVFLNRNIGTRLSDPVQEFALPNNSHRRGLFDSI
SCDRKLNLDILATVSNDDNDPMFFPLTDLKDSRLNVESSQTWIAGGRSPEFVDLDSRSFP
PASSHLRFLFSKDSTRIDSTTSSSTQLKPKPSTYTSARINTDETTNPSLRKGNIVVLFAS
DTKKNHPNVKNKATRARFSSHPSNVSRKPATSSSTRHKHWTREDEILRHAKAKESRGKIF
WRKISEQYFHGTRSAAQCRVRWNNVNRSTFDXLSGEEGSKLTIFFLLFLLKALQPGIVR
GKWD SHEDQIILQMVSKGCSWKRIADKL PGRTNENIRYRFINKLDPKPKKTAWTKNEDDI
LFTMQRRIGNKWAGIAKFLPGRSDNGVKNRYYNKRNAFLRKTRLPEKERNGSDETYSSWE
PV
>comp5938_c0_seq4; 303 737 1878 LEN=2436; translated
MTLEDTSLKSHSSVFLNRNIGTRLSDPVQEFALPNNSHRRGLFDSISCDRKLNDILATVS
NDDNDPMFFPLTDLKDSRLNVESSQTWIAGGRSPEFVDLDSRSFP PASSHLRFLFSKDST
RIDSTTSSSTQLKPKPSTYTSARINTDETTNPSLRKGNIVVLFASDTKKNHPNVKNKAT
RARFSSHPSNVSRKPATSSSTRHKHWTREDEILRHAKAKESRGKIFWRKISEQYFHGTRS
AAQCRVRWNNHVQPGIVRGKWD SHEDQIILQMVSKGCSWKRIADKL PGRTNENIRYRFIN
KLDPKPKKTAWTKNEDDILFTMQRRIGNKWAGIAKFLPGRSDNGVKNRYYNKRNAFLRKT
RLPEKERNGSDETYSSWEPV
>comp5940_c0_seq1; 229 141 752 LEN=752; translated
MPRSPLPGTQRGKDLVCSLVGSIEKANTTVIHGRRGRSPYGRVAMEDHDNDEDDKNTNGT
VEADEQGGHGIARTPRHDPEDYRNFCEIDCDDIDYGDASDDNDEMLRPALQAPFPSSDDG
CDCFARHCIHYHPQSPTPPQNYICPLTLQIMEDPVRDRCGHVFERRAILEWLETTSASND
GQPAICPISRKPMIQAHAYSSSSS
>comp5941_c0_seq1; 212 106 315 LEN=665; translated
MDEQAVINAFKVFDADETGVKVISEEIVEALTTYGEMSTDEAEKMIKDAGGKSSFDYTKFV
KEMNAKAKG
>comp5942_c0_seq1; 291 271 1368 LEN=1809; translated
MSTVITLCATGVAMGVVHVLTPGDHLSAIATLSVNAESRWRAAGYGIRWGIGHSIGLVLV
ASIFIGLENSHPGRPDSSGSENDDVNDGTRRSIEVPERIESMAECFVGGFFMLGLGCYSL
YQHRKRDSIFGHHHHYHAHFLPRENESTSQERSDHPFGLGEGVDEASHNVLPNNAAG
EEVDDEERSFNSRARDQPHRPMEAMGIDDSHASFYDQHDHESHSPSLSKQFLALCVGIVH
GVAGPGGVLGVVPAVKLHNLWHSIAYLGSFCASSIATMGGFAACYGAVSTRLSNAGSSPG
LYDSVEDSDDGDASTDNNSNDDSGNREKFFTTAYRIEVFSASLSVLVGCTWLVLVLYFGIL
HDVFP
>comp5943_c0_seq1; 219 411 1661 LEN=1792; translated
MASSDDSVGNIGPRRRRISRNPSEYVHRSSCDRDTNVTIDTLGSVSSNSKSETDFALAPS
LAQRLVKRTEARVSQVIASSEYVRKNCTLNHI PRFERDDFVLGNLIAFGGF SNVYAITHF
NVESELTEKPEGIKKFVIKHLNPKLALNPKKLVVGA KDLVMEAHFLSAFDHEHI IKLKG
WSAAGIPGFSAGRADGFFLILERLSITLSKRISGWREEEKVRKTLTKGRQAANKLLNV
RLKAAIDIASAVAYLHERRILFRDLK PANVGFDKQGLKIFDFGLAVEIPYHEDPEATFK
LAGNTGTSRYMAVEVIRKETYNLKADVFSYSILLWEIMALTKPYDGLLGPQVKETVSLFG
ERPSVPKSWPTAIRRLMRGWSETISNRPTMDVVLETTLTKVHDASSKTSKILLRT
>comp5944_c0_seq2; 140 1 216 LEN=398; translated
AVNNAMGTANDAVSNAMGGVGDILSNLKD TNETDTEADAIMDEAEADESSSAAYGMLAGA
VFSVLATVVS L
>comp5944_c0_seq3; 116 396 536 LEN=536; translated
MFRLTISKVFIAILAAIASYSGANA AVEEALGTASEAVNNAMGTAND
>comp5945_c0_seq1; 380 103 1484 LEN=1721; translated
MNF SKLSLVCLALDSGSRFVQVQGVANKNPV GKWELHSLSDAEIEVSDSDTPNTAAVETE

IFYEGLFADGQDPIVEIYAGVETGAPCVTGTTPATPLGETTPSLSVSFSTADTNDHPDLVE
NMVTSNGDIGSVHIHQTLTGEDNPFWTPYKDDRPDVGTFMCECXDIKHSTTVPYPCRLL
ILYCSFCLSFATSYRFRVGNTHLVFLLLGVRVCKKLETRYISYVDSLITVRYDHEG
VFQSFASIDVEEISSTNEYVRDEFNSVPVEAFPCFTTGSPIQETYKPGQRFSCVVRPGE
DDLQNGFGVSGFQEVTCAKESQIVKEGSYVAAITSVSSDSDAVDFLDKEEVAVGPGTAVL
TTTVLPTMVSGSGSMTCTGVVELTFTAPGSRDLSPVGRRLQATDAGVGESTPFSVSIKVS
EEKDWSDAFASPAAGNFEGSDGLVVAGAATTAAVVMAAAL

>comp5945_c0_seq2; 433 103 1332 LEN=1569; translated
MNFSLKLSLVCLALDSGSRFVQVQGVANKNPVGVKWEHLSLSDAEIEVSDSDTPNTAAVETE
IFYEGLFADGQDPIVEIYAGVETGAPCVTGTTPATPLGETTPSLSVSFSTADTNDHPDLVE
NMVTSNGDIGSVHIHQTLTGEDNPFWTPYKDDRPDVGTFMCECXDIKHSTTVPYPCRLL
ITVRYDHEGVFQSFASIDVEEISSTNEYVRDEFNSVPVEAFPCFTTGSPIQETYKPGQR
FSCVVRPGEDDLQNGFGVSGFQEVTCAKESQIVKEGSYVAAITSVSSDSDAVDFLDKEEV
AVGPGTAVLTTTVLPTMVSGSGSMTCTGVVELTFTAPGSRDLSPVGRRLQATDAGVGEST
PFSVSIKVSEEKDWSDAFASPAAGNFEGSDGLVVAGAATTAAVVMAAAL

>comp5946_c0_seq1; 266 1 1368 LEN=1474; translated
HLLGALVLLSLKASVASRQSPAASNKGFTFYRHISIQTMKTLITAVLIFLACHHLTGAF
PSQSAIQAPRKVTRQSNYGPPTTAAFNFRWDPVQLGSGSTFVSTQLLSSASDNTGDGA
KQENEAENRDLTILATLTSAPFFVLGGALLAFFRPSLFLWTKGDLITLMLALVMWGT
GLTLTKDDFTVVLKNDLVSPVGVLCQFVIMPMTAFTIGRTLNNASASHGSALFLGLCL
VGCSPGGTASNLVSLIAKADVALSVMLTSCSTILASIAATPLLKLLVGSTIAISGWTLCA
ATARVLLPVLLGMLVNAQAPKLASRISRFTPFASVLLVALICGGVVAENASLLASTSGR
LIPLIVSSVLGLHSIGFLAGYLVPRRGAGFGERTSRTISIETGMQNSALAVVLLARSIGAP
SIASLPGALSATAHSCMGSILAAAYWRGVDKRKKGN

>comp5947_c0_seq1; 389 91 1728 LEN=2024; translated
MHQRKPLEAEAGPRTAGLSLSGSSSGSFASETNGSSSARQRHAHSSSGSLSRSPGERARK
QRILALHSGRTQWSRFLFLGLWISIGAWGLVGTWVLEVRRELLDGGADSNLRSRPIQGT
KTALRWPGRPKPAEAFQRISEAAPECYDLEDPEITLTLVTQVSHDRLLWMEHHCDRVRVT
GPEDQRKQQRMSIAVYSNATKGEIVDELEAMGCGVITNPESSDATYNEVGVEVSVLSAR
THGAWNNYPVNELRNLALSRRVTRTHILYLDVDFWPSDSLIEMLLGDDEGNGPPSPVQQA
LLADPRQALVIPAFQLWRQCAEWADCRGENLPHMEAARTLHGLAHEVKTYKSVSIFDPTN
VGGHGSTSYPWFQRQAPGSVLPIDCLQSNRYEPFVVVRYCRDLPPFQKAFAGYKGNKVTW
VMHLVAAGYVFRQVGGTYLIHYPHLDSASRQHWNNSGKKKEPGEEEKPPGESSGNSERN
SRSGGNSKRSRVDHLFVEFKDWLADTIPASDRRLPLCDDAQDDDGKLVVDHHSKRRQRH
SGDDG

>comp5949_c0_seq1; 683 128 1426 LEN=1451; translated
MTRKSSIVACLLFLLGTSTAAAATPPVVVPSVTHHTGKAAAQHQSQFQHPHDALSEHVQE
WVSSRGQTVNEWFGVPPANAAEASGPPTKNEILTLQKAAFAFYGTQRDPEALPLLDES
KAFERQPADERAGLYRVRGDCKMALKDPVAAVEDYSMAIDLKLPKPAKADPAELPAST
LGRARAIRSLGARATPEQAKSAVGDYKEALILNSRDDWDTEAEQIEDGAKTNPYAAWEYG
MALRRNGQYEEAKAMHTFTSDLFDSIGDRPRSVISLLDAGVDAASAEAAAGSASKGGEDAK
SLLKRAISYTTTTESRDVSLLRVVAKEGEGRIVLAAIEWADKDKSLRADAKEKELSTACE
RLDQLEQDALSRGRKAPSSSTSTALAVRFNIDDYPGALETSCSRITKNRDFQRDRLELPDL
LQEKIQKLNQLK

>comp5949_c0_seq2; 342 1 909 LEN=934; translated
XFLMLRLDLVPRKTLREKIIALQCPEFTTRADTGSFFFMYKSMNGIRKTGRARAIRSL
GARATPEQAKSAVGDYKEALILNSRDDWDTEAEQIEDGAKTNPYAAWEYGMALRRNGQYE
EAKAMHTFTSDLFDSIGDRPRSVISLLDAGVDAASAEAAAGSASKGGEDAKSLLKRAISY
TTTTESRDVSLLRVVAKEGEGRIVLAAIEWADKDKSLRADAKEKELSTACERLDQLEQDAL
SRGRKAPSSSTSTALAVRFNIDDYPGALETSCSRITKNRDFQRDRLELPDLLQEKIQKLNQ
LK

>comp5950_c0_seq1; 189 1 1223 LEN=2016; translated
XMTDPRKGNIDIVLRNOKILLVRRPNGLPQPEDFRLEQENIVVSDAKLNDSDDRNSLIVLE
TLYVSIDPAMRGWMSTQRSYLPVPLGSMVRASTVSRVIAAPRALERAFVPGSLVRSEI
VGVQSYFVMEGYSEARARKRLTRLEMASIPRSTGLSPASHLGVLTGTGMTAYFGLLRVGE
PKPSDVVLVSGAAGATGSIVAQIAKHVVGCKTVIGTAGTDEKCAWLEANGVVDVAINYKT
AGSSLSRAIREASSPGKHNAKRAKRMQGGVDVFDNVGSEFLEAALGNLAEKGGARVVL
GAI SRYNQTGASAGASNGPRNYMNLVRRASMKGFVVFVFDYKKEYPTAIRDLVKWISDGKI
RCYGEDMRHVIGIQFYPALLSLFRGTNTGKVVVKVNEENAVASRSL

>comp5951_c0_seq1; 224 389 760 LEN=1239; translated

MGGFVEVNETAEDAVKRELAEMSITLRSPTLVGIYSDPRRDNRRTASVAYAVHVAAD
IRPHAGDDAKEVVKIPINEIVDYEFTHDRTILLDYRSSLRGEVVEDHSTEGDFAADIQR
STC

>comp5951_c0_seq2; 224 389 760 LEN=1102; translated
MGGFVEVNETAEDAVKRELAEMSITLRSPTLVGIYSDPRRDNRRTASVAYAVHVAAD
IRPHAGDDAKEVVKIPINEIVDYEFTHDRTILLDYRSSLRGEVVEDHSTEGDFAADIQR
STC

>comp5952_c0_seq1; 450 178 1617 LEN=1662; translated
MKFSGSFVLAACIFATVADTSFVDG FVPLSGVKTPSLSTRLHYDIQRDPQPNDNVWAILS
NTEKWIAN TLADAQTGNSNPLSRKEVSVCETSNDPAMILANIFRKVKEARQLGESHAQD
QEALIDEKGEDKHN RITLRQTQVLVIPANEELNQS FHFVDAVINAVNAAR KAARDLVTDH
SLEKLDEQMYGEAEDRDWVSVNCAHLHPEY GKKTPQQELKEMQEEEEEGEVDLNLKEYK
RQRILARRSPYPSV VIEVRSMAPPEFAPPPSPGPVSPKSID EIDVESEEGESSGAADDK
IDADV NKL EALFSKSSLDSDRTEEGDFYESIGSHIETFSSVTPLMVAQN WINKNDASFE
ITQCAFTVSDATYVDEAYEFVFTNLGMQTSQFLESTGSTGGAASKAQAKDVQKRQYMVLP
HFLSSSATSLEKFTTQATEI IRTLPSISDKVELTCFHPEAVDEGKRC PVPVIVLQWKGD

>comp5952_c0_seq2; 367 178 1782 LEN=1827; translated
MKFSGSFVLAACIFATVADTSFVDG FVPLSGVKTPSLSTRLHYDIQRDPQPNDNVWAILS
NTEKWIAN TLADAQTGNSNPLSRKEVSVCETSNDPAMILANIFRKVKEARQLGESHAQD
QEALIDEKGEDKHN RITLRQTQVLVIPANEELNQS FHFVDAVINAVNAAR KAARDLVTDH
SLEKLDEQMYGEAEDRDWVSVNCAHLHPEY GKKTPQQELKEMQEEEEEGEVDLNLKEYK
RQRILARRSPYPSV VIEVRSMAPPEFAPPPSPGPVSPKSID EIDVESEEGESSGAADDK
IDADV NKL EALFSKSSLDSDRTEEGDFYESIGSHIETFSSVTPLMVAQN WINKNDASFE
ITQCAFTVSDATYVDEAYEFVFTNLGMQTSQFLESTGSTGGAASKAQAKDVQKRQYMVLP
HFLSSSATSLEKFTTQATEI IRTLPSISDKVELTCFHPEAVDEGKRC PVPVIVLQWKGD

>comp5953_c0_seq1; 215 91 534 LEN=1446; translated
MAEQFFQKVADDVDA AAEQLWSIFGAGSAEQEDKADATGGPGADSGSFAHQFDFSDTDID
GLSDEEIQRLLGEE MMRNNPLQDIANDVTQNI VAGQVRNTRKRSQDGGKRSLEGEV TMRG
IILQQKHERNRSRPLK SGLHLSNDRCC

>comp5953_c0_seq2; 369 91 846 LEN=1238; translated
MAEQFFQKVADDVDA AAEQLWSIFGAGSAEQEDKADATGGPGADSGSFAHQFDFSDTDID
GLSDEEIQRLLGEE MMRNNPLQDIANDVTQNI VAGQAQPQSAREHFDAFRSAINWSEK FV
IGLVCFQIVMFL LCLYFSKDRGLAPRISLLVFIGIVVRAAEWLNSIGADHWESFATQDY
FDKKGIFV GIMLCAPLLLDLSLMLLFFMKEASTLLVQV KRNEIKQKQKKS SDDGKKEK
VGGRTKTKKQD

>comp5955_c0_seq1; 771 1 1702 LEN=2171; translated
XQQQQPSQLQTNNGGTDANGVPK TIAAHTHLELSDPDGSR LRAFYRLSVDELFGFPPTP
TDEEYCARLNIPGM TPRMIPGTHLAALSAARFAEVALGAI VHNEAPLAMELCNAV VHCLK
ESVQEPVQPPYMF EVARSYFLLAVFRAF RGD TVRYFKYRRVCLTYVSKLENATSATTLVA
AVSFLDAWAYMIYNADEKKVPR IDTSIPPVERPPQSMLARPTAVEMEYNVRCNPACIASD
PRNQNW IQGAPPVFLNNEAPLRARSLDALACAVRTCCDQANGRF AAISKEAKADNMEAI P
QESIITPTTTAVLAH ENELCSRNMVLSGFSLEQYEQVTPNSHKNQGMHLVMSAMDAFLD
NGDDGEGGFTDSQIQSLLSVANIV IENPLLLHHAGPTYHMVSNAAVMLCHLLNSMYVMK
GGAEGIRKDQELGGGMEAMFE EILDFTALRKL LVIHRRKLP I KLRCHSIPRPSLVAFE
NGKPFVDLGETLLCACRGCQGFVLMACSPVVAQAQAAATKR SVEAAREAQVEAADEL D
KTLDDL SHDFNLDDDALLGMLSQLISG

>comp5956_c0_seq1; 408 100 582 LEN=683; translated
MFSRSSAF LRSQVGRMLRNAQQQTHQSQRSMGGGGAYMQTNEFGERLGEAFGTIAWLW
VFWRFKQDGKVL LGMHPWDHGHSGGDIY GSELRVQGLTHQFQVKKQTEEEMI ANWDKFN
EKSIVPGE DDD

>comp5957_c0_seq2; 598 149 2005 LEN=2402; translated
MRHQHSLNSRREYRGGWSTSIGALLDDPNRKSNCALTC CGIFLYDRTNYLV TGNRPNW
KRRRTTHIRIPL LILITIAISGMVSTCDDFDNCTSGGLIVFFLELFFVGYLIFL CCLGG
KNHGVL RQAVHQMRDQQLGGSEEQQTPTDI STNRKPLGCCSCYPYDVVLSVNEGDDPDD
ADDSRGSKGMASPD LSTCLFRAWSSFCGALCQCWCQCCGMCAIGQEDRELELILEK DGN
SAALHIDYITFPYSEYFP AIRDLQNSREGSFAKHLALSDLSKRILRYAAFIVLLYCAL
FIVSQEHYGIKIGVALGVWAQPCVVLYFVWWRWNRFDISLDAVIKYFASGYLIGMFQALI
VETIIFIPYAAFMAIGIAIEIRGEV GQDTVPATYLT YFSDGKNTAQMMKDYWGLNAIFM
FVLA FVIAALVEEIVKYYCYWTLETPEQVGRQKSKLSQANYITIGMVS AALGFACKENM

QYVFQSKNVRDEILTLVLRSLAVHPVCAAIQSLGVVKRDIQGDPSSSLGRILFPAILLH
GLFDFVELLLSYFFAIDMLNTKGTLDSENEGVVTTVGVGVIFMIVGLTYFYFCRARQQRNEL
ALSDFSEGTSSLELNPIL
>comp5961_c0_seq1; 202 183 884 LEN=1616; translated
MRKVVSSFPAILGSFVFFLLWLAVVALLGNQLCGLSVHSFAWTAPLRVGAVVGIPTTAE
AATPTTKNRTLLGVPPALSATTDSDIDYQSDAPTFGRGEYHLSAVVEEGDTPVYRTGSWYV
DGVLVGDAGEGAAPSYELCRIDTIQVWVTHNCEHGVLRLGLAVGADTDAGENCSSVFLFK
EPLLEDVEFGPEQLIARIRGVEWRKSVGEGEFGTGPVSLHESMWKENDANAIYD
>comp5962_c0_seq1; 264 1 1239 LEN=1770; translated
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QHCGGGYSCNSDRDRDESPGTIVAIVKIVRNIQRYYSASAKIEADIVEDVNRKKGKRGVTHCA
VLYDFTSFRGHYCMVFESLGPSTLYDFLKGQNYHPFPIHCVDFDFARQLLETLEFLHSFRLI
HTDLKPENILLVDGRTISQRGGHSIPQSTRIKVIDFGGATYDDEKKSIVNTRQYRAPEV
ILGVGWSMPSDLWSIGCILAEELYQGELLFATHDNTEHLALIEKVVGPFPRAMLKATQRE
VVGAEAFGANGAHKMERVLPADQLSYVNKTPPLESIVATHYEEDAWLPRLLRRLVIDPNE
RSTARDACGISGSRSGRPGTGEQSTSLSNAAILVSGSGWDVGNEEHARKMSRH
>comp5963_c0_seq1; 197 1 460 LEN=639; translated
XVHQGVHQVQKQEHHTRRRSKNAAEARASSLRKARLLYELLSAHTASLEEHEHERERND
PSSNYNRSRFRMALSNNLARIYGLIGDVTLEERRCLGDLLSTILVEHARTANGAGATGNT
TNNSNTNSSVGCLEGLSSASVLWVDPQAGAA
>comp5964_c0_seq1; 319 1 699 LEN=2428; minus strand; translated
AVTMEAFERKRAILQALERCATDEDNDTSKHATWLLANLDQINRTLKAASMLQVLYGSL
YGSPVSGTETPEIKREKMALRTELPKTNEFREFMASLASATDKIGEFAFSFLGDGNGDSS
NKRLQSDFLDSAKLLLIANYLAETSSTLLASGIEKTIYSGMLNPALKSLLDNFVNNCLPS
TSETLLVGKRLKEESGIEFELKQLGLAVGMLRAEVAIAADESRAFELNNAMA
>comp5964_c0_seq2; 280 1 699 LEN=756; minus strand; translated
AVTMEAFERKRAILQALERCATDEDNDTSKHATWLLANLDQINRTLKAASMLQVLYGSL
YGSPVSGTETPEIKREKMALRTELPKTNEFREFMASLASATDKIGEFAFSFLGDGNGDSS
NKRLQSDFLDSAKLLLIANYLAETSSTLLASGIEKTIYSGMLNPALKSLLDNFVNNCLPS
TSETLLVGKRLKEESGIEFELKQLGLAVGMLRAEVAIAADESRAFELNNAMA
>comp5965_c0_seq1; 555 168 1199 LEN=1286; translated
MSGKKFFRMGKQLYRPPVEDDEDVDEDESEDESSDDDEDTKPASASKASANANLSDSD
DDDDDEEEDDEEEDDEEETKKRRRSASKGSSKRPKVSSFIDEAEDDDDEEDDEPYGTHHD
PDDVVRKHYTEEDIRKEQMDDEALELMRQQDRRRAQAGGRYVHERSVEEQAQIEEDRHL
SRTAADDRSLSSHQRREPSSTKMSSSRPGASSARRHSSVSDDRPGGPEATNAVSQQSL
VPSVNDPSLWMLISCSTGKEQELVLQLMNKCVAAYARQGRPLGICGVISGQSKGRIYIESFN
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>comp5965_c0_seq2; 1036 168 2810 LEN=2810; translated
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DDDDDEEEDDEEEDDEEETKKRRRSASKGSSKRPKVSSFIDEAEDDDDEEDDEPYGTHHD
PDDVVRKHYTEEDIRKEQMDDEALELMRQQDRRRAQAGGRYVHERSVEEQAQIEEDRHL
SRTAADDRSLSSHQRREPSSTKMSSSRPGASSARRHSSVSDDRPGGPEATNAVSQQSL
VPSVNDPSLWMLISCSTGKEQELVLQLMNKCVAAYARQGRPLGICGVISGQSKGRIYIESFN
EPAVVEAITGVRGLLQYTMRLIPIQDMTTVMTVVPKPKKPVKKNWVRMTRGHYKGDALV
VAVRESGLKCIQCVPRIDLAALGLPPEEARIRKTRVPPQKFYNEQEVAALGYADRRHR
QRFPNMDYMCDFENNNYDGYMLKEVTVGSMVKPCAENKPTLEELQQFRKRNKSANDDG
NDENEGSKMAASLLDELSELQKGTGFVSSSSNGGIMTGDKIEVVEGDLIGMKGKVMMSMG
TTIKIKPLDTSLDIGGTGEIEFLASQVRKHIAVGAHVKVVDGRYTNETGTVVAVEEVEGE
KDFTAVVLTDVTNKEISLRVSQLRESSEQYSGQDKLAGYELYDLVMLSGGGSANEVGIIV
RVGREDFTVVNNHGISRDVRPEELRGKRNSTSNRAVALDVQGNQMRQDQVNI AEGPHKG
KTATVKRMSRSLFLYSQTRSEHAGIFVVRSRKCLLAGSRSQQRGAQVGDASPFATPQSQ
SSRGGPGGGRGKQDLSLIGTKTVRIQAGQWKGYLGAVCDATATHVQVELHSRLKVMVRE
RVAVVGDKYGAVEDVNQNDMQNGIPTSFTTATPMHGGATPM
>comp5966_c0_seq1; 920 118 3168 LEN=3300; translated
MKVSSVALAALCLLANHNGCVESSSPSAGIPAATARRSKFLPWTKARVYNPTGGQTVLQ
QDQEASESLGVSIPLSQSSTLSANDAPLMRDIEMLTDILSDLVLSNPKVHELREFIN
GQQRSENPNDAILETMVERAKSLSASECLGMNRYISTALSLVNSAEVQHRLRAIRQHEL
ENKQQLPGPLYHMEDSIKGTIHHLLDTDGVSKEEIFQKLCNQKVEFVLT AHPTEVNRKSV
LRKYRKSELLAHLERPDLLPHEQLTGTIDLQRIISSVWGMDEIRRTKPTVQREAAAGLA
IVDTILWKAHPNYLRKLNACQASLGKKLPLEVCPKIFASWIGGDRDGNPNVTPKVTREV

VLHQRLRAARLYLQDFAELESQLAISSKFSPKMIELAKSVPGTFHQRELYRRVISHLRKR
LVKTADDIEMKLENENLQESDESTASKTLVGDGEVDEEDIELITKSEDLLQPLRVMHESL
METGYDLVADGLLSDIFRRLKVFGITLVLPLDIREESTKHTNALDAITRWLGIGSYAEWDE
DARVNWLSSELSSRRPLFPSERLNKMDFDAGVKKTLQVFQTASELEPEALGAYVISQCQT
ASDVLAVMLLQKQFGMTSENGNMMRVAPLFFETLNDLNNAPERLKTFLSVPAYVGAINGKQ
EVMVGYSDSAKDAGRLAACWAQYLSQERMVEVAKNAGVELCFHFGKGGTVGRGPNPALYR
AVLSHPNNTINGRFRVTEQGEMITQNYGSIPIAEHTLDIYTA AVLRETFTKHVEPKDEWR
QQMERVSDVSCQDYRHLVREEPRFVFPYFRQATPELELQSLNIGSRPSKRNPCKGGIESLRA
IPWTFAWTQTRTHLSAWLGVGAGLDASEEDLAQLQDMYNEWPWPFRELIDLIAMIVSKTDF
SVSKNYDDQLVNSEESKLLGVEVREKMQTRQSILDVTKSENVAGHHVALQRASNSIRAP
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>comp5967_c0_seq1; 327 328 1131 LEN=1187; translated
MTTLVVMLLALPSFPASVIPSVALTTTTTGTAAHLPASTRHSPPLRPFVDSYQTRATAV
DDASTSERWTLQEMEDFADSVGVVSLTTFGPGYRAVARAKHDESIIMGYVEGFLRPTQP
ELLHIDKMEIFQPVMDRVRARRPGSLEFGGISIGLGLLMGYRCLLHATAEEESRGRKPR
IAEFLAIDDEEFQHKRLVRYRYAGFKVVKYVGDEFESIPDRLVWGGCGTLMEQDISVLM
DKWSSFLDLMKTRAENGTNSTSDEKTK
>comp5968_c0_seq1; 332 159 1638 LEN=1774; translated
MPGDDNERDCIVATILALGKGEWSDGDVIMEGESETQTQRQTQTQTGAEKYQGKSHRSHR
RGRSPVLPGVVIRDGILSYRPFRLKVVLVVLRGSAARSKPDQGGGCDPFRKGCFFPAGQNY
HGDASSLHSCYALTFSTNRGPLRFEVFEEMPYLPPRRRNHESPVFPGERAPGSRFLRGNH
ATKDGIGNGIGIGCDYDYDAVYRDADGVVVSFCIARFFFEFCDRYGYDYASSSILADV
SRAGRTPPPGGRTSGSGTRTRPHPHPNYPNPYPRPNPPKNTTVVLCGNTTDVTLAEARL
SCVVVRDQARAAEADRANPTGSFIDGPGHPFASLARAVTGDGGLSFGVFGSGLGGEPATP
EGRSRSSFCSGENDDRIQHEHALHWNRLRARVDSYQSASRPGVAHRGSERNAIQPNATQR
YPTPSNATEPIAIQRNGTMHHATPRHIKKWFLAACCCVLPASAALDSIPHNFVWHESIDR
GGAEGIPVGVVAV
>comp5968_c0_seq2; 342 42 1518 LEN=1654; translated
MSDDNERDCIVATILALGKGEWSDGDVIMEGESETQTQRQTQTQTGAEKYQGKSHRSHR
GSRPVLPGVVIRDGILSYRPFRLKVVLVVLRGSAARSKPDQGGGCDPFRKGCFFPAGQNY
GDASSLHSCYALTFSTNRGPLRFEVFEEMPYLPPRRRNHESPVFPGERAPGSRFLRGNH
TKDGIGNGIGIGCDYDYDAVYRDADGVVVSFCIARFFFEFCDRYGYDYASSSILADV
RAGRTPPPGGRTSGSGTRTRPHPHPNYPNPYPRPNPPKNTTVVLCGNTTDVTLAEARL
CVVVRDQARAAEADRANPTGSFIDGPGHPFASLARAVTGDGGLSFGVFGSGLGGEPATP
GRSRSSFCSGENDDRIQHEHALHWNRLRARVDSYQSASRPGVAHRGSERNAIQPNATQR
YPTPSNATEPIAIQRNGTMHHATPRHIKKWFLAACCCVLPASAALDSIPHNFVWHESIDR
GAEIPVGVVAV
>comp5969_c0_seq1; 500 191 2801 LEN=2801; translated
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NLRHWYNDGSICVPANFTNTSDFIEFGDGVSNLLVNLDTGPPSPWYCSRYMTFLNRLHDY
NVVIAFVFSLLWFKQSHTKAKEEYHYNATVKEDRIQLLSPTTIETRSSSNDNSNQKSR
WSQVKCMKMYNPSFVYRRIILRMALLPVGFYIILFQLIRGLMNGKWLRYRELLIDQPANE
TAYLLLQDPKEYVTIEVSRAHAKMSTIFAIFLYLKYHFLSVTAVAKAELDTHYIPQLRRK
LVIRAFRNRNFIQRLKTVLKYVRWIKYIIPLVVKNLKLRGNTMAALRKRQFTKAKKEA
KRQRLQKSIVKTTSQLEDSAAIILQVWRAYRNYMHHRVLKHFQSNKKLNAAMKIQLVF
RRASLRAQIKLARKRTELQRLIWLNRKIKKLDDEERRRLELQDEFMTEATNTINKRLL
MRPNTWFSVSWNSLFLFCILVEISHNALRPWLEIPKGEQINNQKYKSMRMFFAESLIP
IETPACKEFLLKKS AIRRLFRKDHCEPTRKEVMSAFIDEIIDPEYDLEQLRGDTNNT
SKPVVPWQCSDPVLTRNNWRTIVRLVFSNPISSESPSCQQPEKTLVDIVITRFHQKIDR
PTPWYCTKPYSSIHDFYRSTWNFVIDQIQIVISVICFLDVFVKFFTGEIDPNTGELRPR
FFRRWIFPGLLLQLLVNPAIETFSVGFRCMGLGMEIGPVRVFRWCIAVAVPIAYASKKI
TIAALHEAEAEYDRELAQYGMMSDYSFNG
>comp5970_c0_seq1; 1071 94 3126 LEN=4096; translated
MEDQLSFLSGCLSIIVIGASGDLAKKKTYPSSLNLFADGLLPKNVEIWGYARSDIGDNG
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NRLFYFAIPPSVFAETALAIKTSMQDEEKGFTRLIVEKPFGRDLDTFEELNKTLSQFT
EDHMYRIDHYLGKEMVQNLTVIRFSNVWTERIWNADNVKMVILTFKEPFGTDGRGGYFDQ
NGIIRDILQNHLQVLTLCCPEPTVAHGPEAGNAIRDAKVHVLNSIPPIKLEDCILGQY
EGYEDDPTITNKDNTPTFACIRMRINNPRWAGVPIILKAGKALNERKAEMRIQLKDAPA

AEYLFEGHDCPRNEIVLRLQPKAEIYVKTNVKRPGFTSQPLQTEMELNYDTRFFANNKMC
NPDAYTRLILDVLQGNQGAQFVRDDELRRRAWKIFTPILHQIEETNVRPIKYLQGSRGPIEA
DEFIATLGFTRNDAYVYNDSSGKAKAVSGAHGKSKFDFSDDEKSEIGLWGLAVMGQNFAL
NMASHGFKVCVGNRSPAKVDTTVARAKLEGDFPLVGAMSAEEFIARLSKPRKVIILVQAG
KPVDETIKKSASFMEPGDILIDGGNEWYPNSVRRSTELLNKGIQFIGMIGSGGEEGARNG
PALMPGGPKQAYELVAPIFEKCAAQVERTGACVGYLGPVGSNGYVKMVHNGIEYGMQLI
AEVYDVMKTLTSMNNDIADVFAEWNKGELDSYLIEISEICLRKKDDTTNGYLVDSILDK
TGMKGTGLWTAKESAERAVAAPTIVAALDSRVLRSARKDERVAASKIFGSPMINAVDKDQV
IADLRSALFASKICSYAQGLSLIKAASNEFQWGVDLAECARLWMGGCIIRAKLLDNIQMA
FSTNPDQLNLMIDPGFAKEIDAEPAWRRTVALCATSGIACPSLCSLGMFYFDYRRLRERLP
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>comp5971_c0_seq1; 383 328 1569 LEN=2813; translated
MVDDNDNTPLHVACQLDPPVNIIVISLKEAIAQTNSWGATPLHVAASHRCNAEALKKLIDF
SPGSLSRLSRMNRTPIHYACMSYRGLDLIAFRVLLLEETLIESRRRKEEQHLHYDREKENS
ECDSKVSFVIDI IKETNENVKKTTEMLDDEEISLLITDNVSRRTMAASPSDSLSTSSSDMG
KMNTTDQE QDYSIDNGLYKNNSNIIVTWKDTTGKTPLGLLFCRYRERVKRVIEILEQMKSS
GTRSPQSHTSLQTDLGHLLWGKARLIVVRLSEECNQQLQQRNKEFQGKRDSDSVDEAHNY
CSSLGQQWLSLAASWSKERLSCYSRVKEEGSDFSTDNEFVEMKSSDNDERQFRIVHASVGL
TGYGCPPEMIRLAMSIPYQVREMEDEGDLVLRKLFPLTYCLFFSLLVNIDFIF

>comp5971_c0_seq2; 418 328 1938 LEN=2707; translated
MVDDNDNTPLHVACQLDPPVNIIVISLKEAIAQTNSWGATPLHVAASHRCNAEALKKLIDF
SPGSLSRLSRMNRTPIHYACMSYRGLDLIAFRVLLLEETLIESRRRKEEQHLHYDREKENS
ECDSKVSFVIDI IKETNENVKKTTEMLDDEEISLLITDNVSRRTMAASPSDSLSTSSSDMG
KMNTTDQE QDYSIDNGLYKNNSNIIVTWKDTTGKTPLGLLFCRYRERVKRVIEILEQMKSS
GTRSPQSHTSLQTDLGHLLWGKARLIVVRLSEECNQQLQQRNKEFQGKRDSDSVDEAHNY
CSSLGQQWLSLAASWSKERLSCYSRVKEEGSDFSTDNEFVEMKSSDNDERQFRIVHASVGL
TGYGCPPEMIRLAMSIPYQVREMEDEGDLVLRKLFPLTYCLFFSLLVNIDFIF

>comp5972_c0_seq1; 214 230 887 LEN=1214; translated
MPGFRCRNGTFVYTGSTSRASNESTGNEGILVDQPDAAATSPSVDSVEEATRILSEWDKIF
NPESQGGKQDTEANEILTSSRDALKASVLLLSAAATEERNRDSVMGRCMLGICAPSAEDG
VAALKAWVTALELPRGLLHGMDKDGVPIDLSGSVYIKYNSGGVYTFADIRKSGLGFDAW
KPGDALLESYDGTYRGVYFQVELQDGEFRQYLVPDLIF

>comp5974_c0_seq1; 394 65 1593 LEN=1950; translated
MARLRRKVERKQTDTRVGRPLQLLLVGAFLCFMAMNSLDTVMLEIKTAVLDSYQTVAKV
TYSVTNSSFLQQQQQQRRRQQHTLPPLEELVDSITNSTHPEKSYPCPNGTIVFPDTPLP
PTENGTHHKIPKIVHITAKSRCVPPNIYKHLKQWEFKGYGLYLHDDTAVHKLLRYAILDN
DGKGLVPDLEAVLSCVTSGATLSDIWRYTFIVSYXRSAVMVGVLKREKIIDLCVLFVSF
PSYALLCLGAQCIPLSVLIIMHVDTRPSSNYKSSSGYGGIYTDLDNSPTGFSENTISP
DAFFPLEGLGIVAQYFFAVSPRHPVMLQSLNSGISNLKKIKHVMVNNPAINTGPKAIIKIG
FVEFQKAVGISTDGYIDAGTYMGTLEPLRSYQTASGGNSKIDDELYQNRTILVVGKKQE
SQEYVDRGGLQHHAKLNYMEAHGMPHYHGRWKKYAGVRDQISCKQHIEMQEERIRAQNLT
LPPAYAPGMEHNEWYPRYHRANYTYGKRL

>comp5974_c0_seq2; 489 65 1405 LEN=1762; translated
MARLRRKVERKQTDTRVGRPLQLLLVGAFLCFMAMNSLDTVMLEIKTAVLDSYQTVAKV
TYSVTNSSFLQQQQQQRRRQQHTLPPLEELVDSITNSTHPEKSYPCPNGTIVFPDTPLP
PTENGTHHKIPKIVHITAKSRCVPPNIYKHLKQWEFKGYGLYLHDDTAVHKLLRYAILDN
DGKGLVPDLEAVLSCVTSGATLSDIWRYTFIWIYGGIYTDLDNSPTGFSENTISP
DAFFPLEGLGIVAQYFFAVSPRHPVMLQSLNSGISNLKKIKHVMVNNPAINTGPKAIIKIG
FVEFQKAVGISTDGYIDAGTYMGTLEPLRSYQTASGGNSKIDDELYQNRTILVVGKKQE
SQEYVDRGGLQHHAKLNYMEAHGMPHYHGRWKKYAGVRDQISCKQHIEMQEERIRAQNLT
LPPAYAPGMEHNEWYPRYHRANYTYGKRL

>comp5975_c0_seq1; 82 1 834 LEN=1178; translated
XQNTTQTQPTLPHPNHTEDPRQSAWNPDEDPVGEAPDPGARDALASRSCGPLACNAYALV
CGSTGEEAAVVDPSFSTPCDLGALESFLEAGGATAVTRILLTHGHPDHVAGVSELTKAWPG
ASLSLHPLEAANYEGAKRMGRDLFGMDFPNDGPLPAPTHALEDGQVLAIGSSIELSVVHT
PGHSPGHVAFADRRTSRGANQGGSESDKGRGAAGSVLLSGDLLFQGSVGRDTDFHNSLDD
LYASIRRLYELFDDDSIVLSGHTTPTYLKKNESQILS

>comp5976_c0_seq1; 426 110 1234 LEN=1896; translated

MKRTSEHLCCVLYGLLFSTFYICISYNLGFLLWTPKHSIECGIKKNEDLIPPQRSNVLHNA
NKETNKKYRNPYDETDSEALSFYNDLELIKMI GEGDVSYAF EARYKNQTVVAKIAADDEL
YFSDIEIDFFRELNAPPSISNIPKLYYAVRSMNPFFAGNQTYLKKDLKIPSN SARRLTK
KRRISV LVIDLLENRVDPKGLDDVRRMLKSMLETMQFVHSRNIMHCDLHGNNYFWDGNKV
SFFDWNAAFKYEPNRVPIHYDRAPDQLFPPEAEHNTSSVHTSVYAFDVYTI GRLLKMLLE
KNCGVTLKLRKSLKLDTSNKSEARSRLLD SALAYELAEYMMIPDPYKRPDTAAALMH
PFFEKLTAE EQISR

>comp5977_c1_seq1; 511 1 1057 LEN=1408; translated
XEHDEGSSREGEPKPPVPSLGV LGNVAAQEKEGAELLLGDPTRFFVFSGGEGGAGAGD
ESSKAPYAGSS LGVPVAIRDPLRTGQPQGRVFPVPV GKLKPKDLRTEKEKQRQEREERLW
AAAAGKASGESDEDMLIAEEDREIGEAI DYEEAHANWDSDEDEDWAKGLDKDLDRDLLNL
PREFRYNQEDIEAVIERLESRAE IYQSHVKN TIRTMEQEARSRLDRSDTGDDEPGKQEAA
DSSSSGEDKAPFFDASTAEKLR SVGADVEKYERLMASLTDDQLLTMFALEANSSSSGTSK
GETEGSEPTATESARTQVFEGIPGLSPQQIAELTELESFIKVAETESSSATN

>comp5978_c0_seq1; 389 675 1622 LEN=1730; translated
MAQKLRSEASLEAEQAEERANIAKMAFEKFDDNSDGKISKEELKAGLENSLKTEISEER
VQKLMDFDISGDGYLQLEEMVSV DQFRNQLEAFAREEKQLARDAIVEAQKEEEAARMAE
ARLALLNDKEPTQTDKIVSVLPYLFPLLD SLQFGRFLILDNPENPLFFALALLYAAYRTI
PFSGFLAFIALNTLSNNPGLNKLVRFNMQAIFIDIALFFPGLIAALVGGLGGMAGIQIP
AAVNQAGSTAIFGALLLVV TYASISSLLGIKPKDIPLISKAVEDRMPTIDMFDDAGRFIP
RNERQEKDDEGEKKN

>comp5979_c0_seq1; 173 144 696 LEN=696; translated
MNL LNFGPRSLIRILQSAIVFSV FSSMWLLQRSETSRTLVDVDVEVWRVGLRKGKDFAL
AETIQKRNVLLSRRLDITETPIQNVIGF PSKNRSELSAPQSAHLQDVLANPEKEKRQEG
SYAAVTKDQSVDSENEKQMED IAGNSFRDGRKDDVGSSESHIESYEGSSAGANNDRNEL
VTTRX

>comp5981_c0_seq1; 466 1 1339 LEN=1546; translated
XMASTVTEDDYSKYS AFNETDSGMGDSSSFAIRSKAGTGASNSLADGDFDNSLVVKQRNQ
QERVFTRDEF LYLALSSPSSIGAMAWILSAFVAVLYGSSVVVLINFCIPLLLGPFVINEQM
YAQLGLVSLVDTDHSLAMSDMLQALS AELSIFLLIXIFVSLIAIIFV FVKAVRRNYHKI
RDEANKLAMINVR LKGNLSRLHRQEYRLSAVEVRF EHL CQRSNK DITQMKHLAKRNATLR
QKLANLA AKKIHNLLTTMLGLDYNGNCTISEKQIDEIAML MKVFAGKNAYS KFD FHEIHE
EAI VNSLVKNKKVILIPPSIDDT DSETKESEREYNDERSNGNFTEEPDSVQPSFEGDVDD
STKEEQSLNAPTDEYEDPSVRSDPSGLLAPEEYARDEV SDEV CNDDFSGMVQKTVTNGTM
E EPI DIEKLVFSDHDGMAESNNMYQK

>comp5981_c0_seq2; 405 1 1321 LEN=1528; translated
XMASTVTEDDYSKYS AFNETDSGMGDSSSFAIRSKAGTGASNSLADGDFDNSLVVKQRNQ
QERVFTRDEF LYLALSSPSSIGAMAWILSAFVAVLYGSSVVVLINFCIPLLLGPFVINEQM
YAQLAPS VRRNYHKIRDEANKLAMINVR LKGNLSNSIAKNTGF PPLKYVLNIFANVEQGY
YTNEAFGKEECHPSTKIEGKKNLRRIFEGILCALRRSNIGYITL GQTLKFD SVAQFQANL
AAKKIHNLLTTMLGLDYNGNCTISEKQIDEIAML MKVFAGKNAYS KFD FHEIHEAIVNSL
VKNKKVILIPPSIDDT DSETKESEREYNDERSNGNFTEEPDSVQPSFEGDVDDSTKEEQS
LNAPTDEYEDPSVRSDPSGLLAPEEYARDEV SDEV CNDDFSGMVQKTVTNGTM EEPIDIE
KLVFSDHDGMAESNNMYQK

>comp5981_c0_seq3; 334 890 1456 LEN=1663; translated
MLGLDYNGNCTISEKQIDEIAML MKVFAGKNAYS KFD FHEIHEAIVNSLVKNKKVILIPP
SIDDT DSETKESEREYNDERSNGNFTEEPDSVQPSFEGDVDDSTKEEQSLNAPTDEYEDP
SVRSDPSGLLAPEEYARDEV SDEV CNDDFSGMVQKTVTNGTM EEPIDIEKLVFSDHDGMA
ESNNMYQK

>comp5981_c0_seq4; 498 1 1204 LEN=1411; translated
XMASTVTEDDYSKYS AFNETDSGMGDSSSFAIRSKAGTGASNSLADGDFDNSLVVKQRNQ
QERVFTRDEF LYLALSSPSSIGAMAWILSAFVAVLYGSSVVVLINFCIPLLLGPFVINEQM
YAQLAPS VRRNYHKIRDEANKLAMINVR LKGNLSRLHRQEYRLSAVEVRF EHL CQRSNKD
ITQMKHLAKRNATLRQKLANLA AKKIHNLLTTMLGLDYNGNCTISEKQIDEIAML MKVF
AGKNAYS KFD FHEIHEAIVNSLVKNKKVILIPPSIDDT DSETKESEREYNDERSNGNFTE
EPDSVQPSFEGDVDDSTKEEQSLNAPTDEYEDPSVRSDPSGLLAPEEYARDEV SDEV CNDD
DFSGMVQKTVTNGTM EEPIDIEKLVFSDHDGMAESNNMYQK

>comp5982_c0_seq1; 388 154 1965 LEN=2511; translated
MSEAITDTSKGGGTVEIVDDSSSSSGFHIDTLVKLTEDDPDYSSTSGQIKKNDATEQQQL
DLERGIDANFASDSTVAKES ETNKQDCSSTTLNSNHDS SAQQQEILRTTPGAFAIERLIG

ESGVVSGPSTAILRTTPELRQMSLGFVRAPDETLPTLAQSETACALLSSQDIYRESGE
EEQTNVIRAVLVKNNTTHIYEASPVESVAEDNMKNKWSKTLFLCAASAILFVLVTTMAFV
VAGKTKGEKSMKMNPGSTPDPLKEKRRDYLLSLLAPLSGPAEEQVFNRGNNTAMSMRIN
ALSWLVEDTRNKISLTTERNDPITNKSVAEVPVPLWKLQRQYVLALFYFATDGVNWDQYF
FLSTQDECQWTKRFPLANGEKQMGVSCNDEGRVTGISSRWGLAGTLPHELCFLEDTFEH
LNLAGDLMTGTIPEEYERFTKLRTLVLDNDCIDGTIPQSLRLPTLTRVSFVNTPWLSAP
MNEFCNRQDYKEGTISIAGDCSGETNGCECCTCCNPDTFRCTDRESGNSWNSYNLNAFTE
RGFVKFRKNTCRTENSKHWIANECPYIINSNTNLDNTRFEGETKNGAQKGAQISHDAF
LWF

>comp5982_c0_seq2; 432 154 1380 LEN=2626; translated
MSEAITDTSKGGGTVEIVDDSSSSSGFHIDTLVKLTEDDPDYSSTSGQIKKNDATEQQL
DLERGIDANFASDSTVAKESSTNKQDCSSTTLNSNHDSSAQQQEILRTTPGAFAIERLIG
ESGVVSGPSTAILRTTPELRQMSLGFVRAPDETLPTLAQSETACALLSSQDIYRESGE
EEQTNVIRAVLVKNNTTHIYEASPVESVAEDNMKNKWSKTLFLCAASAILFVLVTTMAFV
VAGKTKGEKSMKMNPGSTPDPLKEKRRDYLLSLLAPLSGPAEEQVFNRGNNTAMSMRIN
ALSWLVEDTRNKISLTTERNDPITNKSVAEVPVPLWKLQRQYVLALFYFATDGVNWDQYF
FLSTQDECQWTKRFPLANGEKQMGVSCNDEGRVTGISSSEYMLNATIN

>comp5983_c0_seq1; 782 166 1971 LEN=2049; translated
MADFQSKRKATDITGGDDKPDSSAIVACPYLDTIQRSVLDLDFEPSCSVTLESQPHVYS
CLVCGKFFRGKGHKTPAYTHAVDEGHFVFIHLNRGTFHCLPDDYEIKDPSLADVSAALHP
TFTEEEIQRLLDSNTGLARDLFGRRYLPGFVGLNNLHKTDYINSSIQALAHVRPLRDYFLR
LSHRNTFVLTSASDKKSKKNKPPKAPRRMSDLVQCFGELIRKMWSNKRFKSNVDPHMLI
QAISRASKKFRVGHQAEVGEFMAWFLNQLHVGLGGTRKPGSSIIYRTFQGTIELTTRQR
KTAALAEAAEAGDEEDGNGDAKNGGGGTGMEADNGHDETTTEPLTTDKTTDPDIEETTIE
FLQLTLDIPEKPLFRDDDGLVIPQEPLVSVMKKFDGITFSEAIKSGVAQRKRYRLLGL
PPYLILHLARFKTNKYSREKNPTIVAFVKNLGLGSYTFPKNGKEVPPTAEVRAMTVAE
LRALLNEHGREDLSAHALEKSELVEAAVDFVTKSLPDLADKYDLVANITHNSPADVGRE
GKHDPLEQESYKCHIEHKSSKQWFETQDLHVEETMPQLIGVSESYLLIFERKAAQQMDLS
R

>comp5984_c0_seq1; 265 72 551 LEN=922; translated
MVSSRIERFLVAAALAAPTAIEALAGAPQKEFTGAGIGRLNMDELAKGAGTWNCHYDMI
LVERLQKQKGPQDVEDDGLFVPESDMPRFHLCRVLSKGNREEENGVMVAPDINGLQVGD
VVAKNPWGIGPKDEELSDGKKLSFMREIDIAAKVTGELN

>comp5985_c0_seq1; 715 379 2892 LEN=2936; translated
MVSGKKNVSHKINKSKIIVSRILIVVVVTCILRQLTALTAVSRDLLQVSTYDDAASKLVEI
NSVPKSIKRTNLSKGLEIEHKAKEESEIKSITTKATKKILSNEMNDGGDREYEDNIERSF
VIICMGDSAIDSNYVERFVWSARKIGKFTGWIVLLTDAPEQRYAHLNRNADVDNDKFTI
LRPEEKHYIRHYDHAPAMVFKQFKTYVLQYLSQDSRLDNVCLVYLDVDIVFGNPVGPLF
NDLEQKYQIGTNSTTTAQTNTGGNVAAMMMFKGNSKSKSIQGGQMILDRSTSQPCLDRF
RSLMDPKTSTIDQVHLMQMLSDQKLARKTEDYTSKCEIVIMPQEEKHILFSPSKTLIKDI
ADGKINDDDPVPLNHIKNTGGDLKSSPEDIAEAYLRYLFRFETDQKDTLGITTKTYLDG
GQREKGGKEQHQEKSEVKSAAEKKSDVPRSNHDEETTQESSESSNVLFRRSSQNDNWNKNV
SPNELVTTLADLSNSTEIVSSRAKRRRRRGYRDKKGGKKEKETYEDDIERAMFVISMGEKA
AKMNTVERFVYSAREIGKFSGWIVVLTADPSDRYANMNNWTEKVI FMDPKKEDTKTHYKV
SNMVYKRFKTYAIEYMNDRMRLEQVELVYLDVDIVFGSDLGPAFHGIEKTYGIGRLGVN
TTANVTDSIARGKMMWFKGNKSGKWQIQGGQMVLDRLSLSQPCLERWREGFDQKKVTDYAKD
QYLLMAMKSEQEAMNRTMNSTDPDLVDLACEIVTMEQAPYIDFPLVTTIKQRSKVLRK
HPKRKFHYSPMVHVRNDGGTANMRDGNIRPYMRSLLRFKQDPDPLKILKKVHMDTT

>comp5986_c0_seq1; 567 80 1087 LEN=1291; translated
MTGTNGNGNGNSAVVGTSTVKQGLAQMLKGGVIMDMNVEQAKIAEAAGAVAMALERI
PADIRRDGGVARMSDPSLIQEIKNAVITPVMAKARIGHFVEAQILEACEVDYIDSEVLT
MADDVHHIDKTQFSVPFVCGCRNLGEALRRIAEASMLRRTKGEAGTGNVVEAVRHARQVQ
GDIRRLQTMKDELFAAKELRAPYDLVKQIAEDGKLPVNFAGGVATPADAALMMQLG
VDGVFVGSIGIFKSANPEARARAIVQATTHYKDPKVLMDVSTGLGPAMVVICDIKGPVNF
RDREGGEYTYSGKVPKELSGYTETQMYGSSWNN

>comp5989_c0_seq1; 455 62 862 LEN=909; translated
MATKFADLAKASKDLLNDYTTKQSLKCKKNAGPVAVTIETGRGEGGALTSKVGTFKFN
KLNVDKAQATADGGQVLETSLAVAPGVKVSFKSGKADLGDVYTKGNLYATGVLDVVEMS
KFTTSACVSLPSGIKAGADATYGLSGKTGITGLNVGASYATGSLLGAVTSVKNKFSVNLG
LLYSVNSKVTLASMTSHSGDSAFNLTAAGGSYKADFGTVKAKYTGDAVSAALIKELAPK

VSLTVSGTASVSAPSESFKYGMGIVM

>comp5990_c0_seq1; 370 289 864 LEN=1204; translated
MNRFAQYIIFFLALMMINTPTVLGSSSTLEVADTKRASLEQIDVKKRILSSPHPHPSVPS
SGGSSGGSSGSSSSGGSSGGSSGGSSGGSSGGSSGGGAAAANASNLASHNAQKGVG
LMLGIAAVAGMVIAAVVPIPRRKTATEAKHPLKGLSLNKRIDLAFANLAKHTSSAERPPRDE
EGRYINADSIV

>comp5991_c0_seq1; 281 215 991 LEN=1611; translated
MPHSSSSYVFEPPISSLPVVGTSKQFPVRRVYCVGKNYVEHVIEMGGDVKRKPKVFFTK
PNIDGVVYAGCLGNSSDKPTSIDYPPDTKNLHYEVELVVAIGKEPNDCVPNDVLSPNILD
CVFGYAVGIDLTRRDLDQDEAKSKQWPWDTAKYFDQSAPIGPITPRKEGNEDYFDDNTGKL
EKRTMALTVNGATRQSVLDLEKMIWKVPEILSELSEKSFRLKPGDLVMTGTPSGVGPVVGD
RLIGTIDGLVEPVDITLV

>comp5992_c0_seq1; 393 288 1970 LEN=2166; translated
MPIPEMPGTSKNPLRGAVEVIPNRLYYCALKNKETLQNKILIPNPHTNSTSPDQKETVF
CFHIDDELVYWNFFLDFGPLNLGQLWRFTKKNLRLALAEKDGSTVLFYSTTHPNKRACA
IFLICAWQVLELHRTDAMDAMFGFSATAYNANHSTAKTNGSNASDVNRSNPPLPLSGLGS
QTINPLPPFHADSPYKCTYQLTLRDCLGALVKARQFQFFDWGDRFDIKEYEYFEQVENGD
LNWIVKDKILAFAGPSYVRTVSPEGYCTLSPDDYIPYFKRKNIGLIVRLNEKKYDETQFI
NAGMDHFEEVYTDGSCPRMEVLQRVLAFAFEKLPNDKGFVHCKAGLGRGTGTCIGAYLMKH
YRMTAKEVIGWMRICRPGMVIGPQQEFLEYIQSIMWQQGDAMRTKSSQLTSPLPLAPRH
KHI TNLHSAIHSSSPSSRSTSTATTVPESSSLVLDKTS SHEIGQEII LGGSTGYDHLEG
ELETAYERERLEGRPGQAEGLLAARQNRNREP IPPQSPQPRGHEQSNSNDSKTAIPVTPD
TRATSTTSSSSTSLWSRAFA

>comp5992_c0_seq2; 308 288 2122 LEN=2318; translated
MPIPEMPGTSKNPLRGAVEVIPNRLYYCALKNKETLQNKILIPNPHTNSTSPDQKETVF
CFHIDDELVYWNFFLDFGPLNLGQLWRFTKKNLRLALAEKDGSTVLFYSTTHPNKRACA
IFLICAWQVLELHRTDAMDAMFGFSATAYNANHSTAKTNGSNASDVNRSNPPLPLSGLGS
QTINPLPPFHADSPYKCTYQLTLRDCLGALVKARQFQFFDWGDRFDIKEYEYFEQVEVVE
QIKCESVEVPKRTHQSIPEGSISERILLSHCANNFFCVFLFNKNFPKNGDLNWIVKDKIL
AFAGPSYVRTVSPEGYCTLSPDDYIPYFKRKNIGLIVRLNEKKYDETQFINAGMDHFEEV
YTDGSCPRMEVLQRVLAFAFEKLPNDKGFVHCKAGLGRGTGTCIGAYLMKH YRMTAKEVIG
WMRICRPGMVIGPQQEFLEYIQSIMWQQGDAMRTKSSQLTSPLPLAPRH KHI TNLHSAI
HSSSPSSRSTSTATTVPESSSLVLDKTS SHEIGQEII LGGSTGYDHLEGELETAYERER
LEGRPGQAEGLLAARQNRNREP IPPQSPQPRGHEQSNSNDSKTAIPVTPDTRATSTTSS
STSLWSRAFA

>comp5994_c0_seq1; 670 80 1702 LEN=1913; translated
MVAKKRN LASSNGASRGMRGNSAAGGGGGGVSSKNAHRDTLPGIVWSVVL CIVKCSI
WFAIAFPFAVATHSLSLVFRPPNLVYLQQT LRYLGFVWKS LTFATPEQERHMQSFSVTE
KIRLTTTILVHTICSPLSAFGWILDEILYGRRLNGLEPKKAAVENPVFVVS AFRSASTQ
LARGLVSETRYTCEKGGTSTTEPCFVAPNAMMCAYPYLWLWKL VYAI VGDIPDTLVDAER
AQTEGGLTKEDVREKFNAGFTPD SMARHANDP FQTD TFDGTF LNCHLN GFVWQLCRGLPA
SAIEQEFNYACQKEGDALNRR IWQTD MVRHIERLARKTILFHNEGGGETAAGGVRPPQRF
LLKGHFLSVCPQLREAYGGRARFVTILRDP CERLRS GIN YMAVNPTLYASDP RQQIPWAA
FAEALGETEAQYCERELQWFGGTGGDES DRLAVTFDSFVADR GKAMGEI VNWLG LVPEDD
PGEVAIASTSQAKKSKSPRKKKTPSASSAATKKAYRIDRSLAELGVDEKAYRERLS DYLA
W

>comp5995_c0_seq1; 222 231 570 LEN=762; minus strand; translated
MKSTKDAPNIVADRVVPSIKNFPFAAFDEFFSTSLWPAIRIPSMKPKTHPVMDPMHPPKA
AFLKSSPHLKGILAW EIDDVDAGVDVVEDKSPA EEDAGASC GDDLRRRC SNNW

>comp5996_c0_seq1; 717 317 2224 LEN=2306; translated
MDVAKMEKVETPKSPAKMSFFRKGW PALVALVGVFALNASLFGPTLSDMPDMSEKMLNRR
ALAEKRTADVLAMAPTQESTKYTPRSRFGFSRNL SAEDGGVMEYTRRRHRYLGEYVHVDV
SDQFTKFGKWTVSI IYFAYWVFLMFPNWFLPIGRPGIALGGLSMVVWRYIILMVTEQGPF
FDAERVIILEPLFLFLFGLMLTTIYLEKMERGGLFDKLRDSLDDPVNWKRSAKIMLMSTIG
SAAVMNDSVVLIFSGVVV DLCVRHKVANSLPYLLSLATTANTGSALTTLTGNPQNILIVSL
MYDDISWLDFAANMLLPVVAASVINASMMFLYGAELFPGSSGMMENIGIMFFGNRTPEM
LAQEHAYYARQAATEGESDGN GWT FWSKLQVLIIVLFLIFFACGF DVCVVSITTGAILMV
IAAYKRQHYDPKPDHTQYDVEGNLPPKKT YDM DGN EIEPEEEELVTESETTLTEVDYGL
LMLFIGQFLLIGSFDDTGVPQAF FGLSMGKCADQMTEGACVYWFVTIVTVLSNIASNPV
CQMLAATFPYATPYDWLQVSFSATIAGNLTMLGSAANMIVAFQAAKVGDRFTT SERHAPF

GIPSTILSLYAGTFLLATFHFAPECSERLGECDQAQ

>comp5996_c0_seq2; 655 1 1951 LEN=2033; translated

XREDILVSSSKTSTIMDVAKMEKVEETPKSPAKMSFFRKWGPALVALVGVFALNASLFGPT
LSDMPDMSEKMLNRRALAEKRTADVLAMAPTQESTKYTPRSRFGSRNLSAEDGGVMEY
RRRHRYLGEYVHVVDSDQFTKFGKWTVSIIFYAYWVFLMFPNWFLPIGRPGIALGGGLSM
VVWRYILMVTEQGPFFDAERVIILEPLFLLFGLMLTTIYLEKMERGGFLDKLRDSLDDPV
NWKRSAKIMLMSTIGSAAVMNDSVVLIFSGVVVLDLVRHKKVANSLEPYLLSLATTANTGSA
LTLTGNPQNILIVSLMYDDISWLDFAANMLLPVVAASVINASMMFLYYGAELFPGSSGMM
ENIGIMFFGNRTPEMLAQEHAYYARQAATEGESDGNNGWTFWSKLQVLIIVLFLIFFACGF
DVCVVSITTGAILMVIAAYKRQHYDPKPDHTQYDVEGNPLPPKKTMDMGNEIEPEEEEL
VTESETTLTEVDYGLLMLFIGQFLLIGSFDDTGVPQAFFGLSMGKCADQMTEGACVYWFV
TIVTVLSNIASNPVCQMLAATFPYATPYDWLQVSFSATIAGNLTMLGSAANMIVAFQAA
KVGDRFTSERHAPFGIPSTILSLYAGTFLLATFHFAPECSERLGECDQAQ

>comp5997_c0_seq1; 206 294 626 LEN=626; minus strand; translated

MVDMWRKHFLVAENMLEMECTNLTPEVVLKTSGHVDRFTDLMVKDPVTSECFRADKLLLED
AIDDLLEKNPTLDAETREEHLRVQRQADAYSPEELDKLLKYECKGPSGEA

>comp5998_c0_seq1; 749 86 1996 LEN=2307; translated

MIHKTQSFCSLAFFLSAGTLLLLLDSNAHQVFGCTVFLVGKNASADGSVMCSHNSNDGEF
DTPRLVKVPAADYPPDSLPRVYFSPENYPRYVGYDRGIPEYYPREGEPHEPFQPIGFIP
QVPHTYAYLEETYGAVNEMQVIGESTCSGVFGARPIHQHPNGTALFSIDELSRIAMERA
STAKEAVQMMGDLAVAHGFYGAGEFEGTSESLAVTDPEEAWIFHILPDPTGKSAIWAAEK
LDDDKFAVIANMFVIREVDPTDTERFLMSKSVHDVAIDYGWWTVEADGLLDFTKIYSDG
EYSHKFSYGRRVWASYRLAAPSQFPPTDYDLDQSDPVYPLAVTPDRPVSERDLFRFHRDT
LQGTKFDLGAEGNLAGGPFPTDRWKAGPNEETKVQGNWERAIGLYRTSDTYVVQSKKEE
RQQPDGSGGMGSGGPGAILWFGPSSPLATIFTPFVVGMSDIPKSFRRSGHQSVMFSRESAFW
AACYAHNIANLKWSYMIQDITKRQDELEGASLDLVASIQEEYRRHNNMGLVEDAFAKNAE
AIVASLWLSDELFRYADGFVNSNESEVDQGGIEITKRVGYPAWWLEAVGYKNGPPPPPT
TPKCCDPPKGRKKNAGEPSPHLLRGAESSGTAIEID

>comp5998_c0_seq2; 702 86 2106 LEN=2417; translated

MIHKTQSFCSLAFFLSAGTLLLLLDSNAHQVFGCTVFLVGKNASADGSVMCSHNSNDGEF
DTPRLVKVPAADYPPDSLPRVYFSPENYPRYVGYDRGIPEYYPREGEPHEPFQPIGFIP
QVPHTYAYLEETYGAVNEMQVIGESTCSGVFGARPIHQHPNGTALFSIDELSRIAMERA
STAKEAVQMMGDLAVAMDSMERENSRERVSSSLVPGFHEVVVDLIDHPKLSFYRVFLV
HNTTAESLAVTDPEEAWIFHILPDPTGKSAIWAAEKLDDDKFAVIANMFVIREVDPTDTE
RFLMSKSVHDVAIDYGWWTVEADGLLDFTKIYSDGEYSHKFSYGRRVWASYRLAAPSQ
FPPTDYDLDQSDPVYPLAVTPDRPVSERDLFRFHRDTLQGTKFDLGAEGNLAGGPFPTDR
WKAGPNEETKVQGNWERAIGLYRTSDTYVVQSKKEERQQPDGSGGMGSGGPGAILWFGPS
SPLATIFTPFVVGMSDIPKSFRRSGHQSVMFSRESAFWAACYAHNIANLKWSYMIQDITKRQ
DELEGASLDLVASIQEEYRRHNNMGLVEDAFAKNAE AIVASLWLSDELFRYADGFVNS
NESEVDQGGIEITKRVGYPAWWLEAVGYKNGPPPPPTTPKCCDPPKGRKKNAGEPSPHLLR
GAESSGTAIEID

>comp5999_c0_seq1; 369 564 1504 LEN=1775; translated

MEQDYGESGKYDVKFHMARGENYKVSTRDGFVNSIDGDI FISPEDLRAFENPEDVGPVDW
VIVCIKSSSLDDIPGLIHPLLDKRTRVLAIMNGLIEDDLVRLKERNGEEFCAALYGGM
ALVCSNRTGPGKIEHSYAGLLSGGVAMSRRSFTAEDNQQA FRDLWAPTSIDIAYEP SLLG
GRWRKCLWNLFPNGISVAMNGITVDKIVNDSGLRRLAFKIMDETVAANADLEANGFGEE
FFLGDVDKMMMDLSDNMGAYRTSTMIDFVEGRPLEVHYLFTKPVQKARKLGVPTPYLET
LVTQIEAFQRLRY

>comp5999_c0_seq2; 407 206 1399 LEN=1670; translated

MATAFRSISRSSLSTRRGAISKRVAPHRFGKHSSLKASTKSFRFLSSSPSLRFLTEN
GIGEKGGSERQSVAIIGAGAVGGYYGARLWESGKYDVKFHMARGENYKVSTRDGFVNSID
GDI FISPEDLRAFENPEDVGPVDWVIVCIKSSSLDDIPGLIHPLLDKRTRVLAIMNGLI
EDDLVRLKERNGEEFCAALYGGMALVCSNRTGPGKIEHSYAGLLSGGVAMSRRSFTAED
NQQA FRDLWAPTSIDIAYEP SLLGGRWRKCLWNLFPNGISVAMNGITVDKIVNDSGLRRL
AFKIMDETVAANADLEANGFGEEFFLGDVDKMMMDLSDNMGAYRTSTMIDFVEGRPLE
VHYLFTKPVQKARKLGVPTPYLETLVTQIEAFQRLRY

>comp6001_c0_seq1; 140 38 409 LEN=521; translated

MIKSILILTALIASGDAFLSSPLHPTRPMAKKLGASSSDSNSFVDTLQTSFRIARE SNAE
NGGFKQVLADVLGDDYDKEAVSATIEDTISSAPCGKNVLCIVIDRTVQLIPSTASYGHF
ILT

>comp6001_c0_seq2; 162 38 616 LEN=1145; translated
MIKSILILTLAIASGDAFLSSPLHPTRPMAKKLGASSSDSNSFVDTLQTSFRIARENAE
GNGFKQVLADVLGDDYDKEAVSATIEDTISSAPCVMYTWENSPSCKKAVEAFETIGATV
KIVRLDDPWEEGNPVRAVLGRKVGRTSVPFVFGGEYIGGFDGGVSTSAPGMVDMAFQ GK
LREALSEAGAMK

>comp6002_c0_seq1; 565 320 3412 LEN=3963; translated
MDDGSAGNDGARRDELVLLFELVGARNLVLRRDDYEICQGIDPNSLQPFVVKYNGVRIHK
TKPSEELGCNPIWTPHSSRSIFLVRTTAIELSRSIMNISVYIKKESALPSMLTTVTSVFM
GQIHVDSKTIILSHCDEERFELNIEDELGEQTRNLGKLAVRCRVATPSDIEILSVLNKDLS
ASHMERIGDMMLDSSTRPMEETTSTLFHKRSRDRPLATMMTEKDEAEVAQSSIFQSVGNIFV
SQTSTCPESGQVMKRVKPYDPDRQEKTEFLRPYDLNVETRLPSWKWTEAGSGSIGKLFV
EVLSCDDLPNLDSGGEMMGNF TDSFCTLVYEDTCAMTDVIDDELSRWMPWTNRAF SFNI
MHPASILYLGVFDFDVLGTHDPIGRVAVNVCNLQRDVTHTLTYNLYPSSNVTERKAAGSI
TIRVRLEWFDPRALLAAMKSRPNMHVNVLKEKTFRVVRYTCYGEYGDKEGFDITLMRSY
INEIF EYKAGVSYAISDTLRSLILWKGQVEIFSIMLPLHSLILFVVFSTRLVEKPKQLIVPY
SLLAIAWMMLANLTI RRQHPSPWQSRLSFFDYLNILRTGKSSIPVKCIKEYEGAAEARAY
ELAWEKRIEKDRKIAERKAELLQEINDISDVNIHTEVSNQALIPVDLLNRLARYQGIVGR
ICKKLR FVKIILTWEESIVSFLVTATFLSAGIVALALPWGFILTWVGR LIVWGFLGPHMK
LVDLFLRANEKRDGKLNLDLIKNFDIQSHQARLSREEALKIKDMKEVAFGTYSVHVPSFNL
SRHHRPLPQSSSRVYRKPPPHRKVGNNARVSVTDLGSRCTLI PGQQLYGAMI PRPEHEE
EIHKHQRILA EKRMKSVKDFLRRLNEVEGLSEYETKQLKMDIDTATPMAIGYEVVPFEE
CESVSSDTESESGSTNKSAAALCSLRNFSIKLMSDR LGYVDCREARDLILRSDGVTTTCIS
ENCEEEDEGMEVIGTGRFQSFQSDYGD EMRSSIDSKDPNVEERLTCALNSTEGSQMVYYRPP
ENGEVKLKEE

>comp6002_c0_seq2; 495 320 3567 LEN=4118; translated
MDDGSAGNDGARRDELVLLFELVGARNLVLRRDDYEICQGIDPNSLQPFVVKYNGVRIHK
TKPSEELGCNPIWTPHSSRSIFLVRTTAIELSRSIMNISVYIKKESALPSMLTTVTSVFM
GQIHVDSKTIILSHCDEERFELNIEDELGEQTRNLGKLAVRCRVATPSDIEILSVLNKDLS
ASHMERIGDMMLDSSTRPMEETTSTLFHKRSRDRPLATMMTEKDEAEVAQSSIFQSVGNIFV
SQTSTCPESGQVMKRVKPYDPDRQEKTEFLRPYDLNVETRLPSWKWTEAGSGSIGKLFV
EVLSCDDLPNLDSGGEMMGNF TDSFCTLVYEDTCAMTDVIDDELSRWMPWTNRAF SFNI
MHPASILYLGVFDFDVLGTHDPIGRVAVNVCNLQRDVTHTLTYNLYPSSNVTERKAAGSI
TIRVRLEWFDPRALLAAMKSRPNMHVNVLKEKTFRVVRYTCYGEYGDKEGFDITLMRSY
INEIF EYKAGVSYAISDTLRSLILWKGQVEIFSIMLPLHSLILFVVFSTRLVEKPKQLIVPY
SLLAIAWMMLANLTI RRQHPSPWQSRLSFFDYLNILRTGKSSIPVKCIKEYEGAAEARAY
ELAWEKRIEKDRKIAERKAELLQEINDISDVNIHTEVSNQALIPVDLLNRLARYQGIVGR
ICKKLR FVKIILTWEESIVSFLGSTDPDTLSQSSIVDNVSSYIPFVVTATFLSAGIVALA
LPWGFILTWVGR LIVWGFLGPHMKLVDLFLRANEKRDGKLNLDLIKNFDIQSHQARLSREE
ALKIKDMKEVAFGTYSVHVPSFNLCKFEMIFI IHYPEKGYLIHILIVEIDPARHHRPLP
QSSSRVYRKPPPHRKVGNNARVSVTDLGSRCTLI PGQQLYGAMI PRPEHEEEIHKHQRIL
AEKRMKSVKDFLRRLNEVEGLSEYETKQLKMDIDTATPMAIGYEVVPFEECESVSSDTE
SSEGSTNKSAAALCSLRNFSIKLMSDR LGYVDCREARDLILRSDGVTTTCISENCEEEDEG
MEVIGTGRFQSFQSDYGD EMRSSIDSKDPNVEERLTCALNSTEGSQMVYYRPPENGEVKLKE
E

>comp6002_c0_seq3; 572 320 3493 LEN=4044; translated
MDDGSAGNDGARRDELVLLFELVGARNLVLRRDDYEICQGIDPNSLQPFVVKYNGVRIHK
TKPSEELGCNPIWTPHSSRSIFLVRTTAIELSRSIMNISVYIKKESALPSMLTTVTSVFM
GQIHVDSKTIILSHCDEERFELNIEDELGEQTRNLGKLAVRCRVATPSDIEILSVLNKDLS
ASHMERIGDMMLDSSTRPMEETTSTLFHKRSRDRPLATMMTEKDEAEVAQSSIFQSVGNIFV
SQTSTCPESGQVMKRVKPYDPDRQEKTEFLRPYDLNVETRLPSWKWTEAGSGSIGKLFV
EVLSCDDLPNLDSGGEMMGNF TDSFCTLVYEDTCAMTDVIDDELSRWMPWTNRAF SFNI
MHPASILYLGVFDFDVLGTHDPIGRVAVNVCNLQRDVTHTLTYNLYPSSNVTERKAAGSI
TIRVRLEWFDPRALLAAMKSRPNMHVNVLKEKTFRVVRYTCYGEYGDKEGFDITLMRSY
INEIF EYKAGVSYAISDTLRSLILWKGQVEIFSIMLPLHSLILFVVFSTRLVEKPKQLIVPY
SLLAIAWMMLANLTI RRQHPSPWQSRLSFFDYLNILRTGKSSIPVKCIKEYEGAAEARAY
ELAWEKRIEKDRKIAERKAELLQEINDISDVNIHTEVSNQALIPVDLLNRLARYQGIVGR
ICKKLR FVKIILTWEESIVSFLVTATFLSAGIVALALPWGFILTWVGR LIVWGFLGPHMK
LVDLFLRANEKRDGKLNLDLIKNFDIQSHQARLSREEALKIKDMKEVAFGTYSVHVPSFNL
CKFEMIFI IHYPEKGYLIHILIVEIDPARHHRPLPQSSSRVYRKPPPHRKVGNNARVSV
TDLGSRCTLI PGQQLYGAMI PRPEHEEEIHKHQRILA EKRMKSVKDFLRRLNEVEGLSEY

ETKQLKKMDIDTATPMAIGYEVVPFEECESVSSDTESESEGSTNKSAALCSLRNFSIKLMS
DRLGYVDCREARDLILRSDGVTTYCISENCEEEDEGMEVIGTGRFQSFQSDYGDDEMRSSIDS
KDPNVEERLTCALNSTEGSQMVYYRPPENGEVKKLEE

>comp6002_c0_seq4; 488 320 3486 LEN=4037; translated
MDDGSAGNDGARRDELVLLFELVGARNLVLRDDYEICQGIDPNSLQPFVVKYNGVRIHK
TKPSEELGCNPIWTPHSSRSIFLVRTTAEIELSRSIMNISVYIKKESALPSMLTTVTSVFM
GQIHVDSKTIILSHCDEERFELNIEDELGEQTRNLGKLAVRCRVATPSDIEILSVLNKDL
ASHMERIGDMLDSSSTRPMEETTSTLFHKRSDRPLATMMTEKDEAEVAQSSIFQSVGNIFV
SQTSTCPESGQVMKRVKPYDPDRQEKTEFLRPYDLNVETRLPSWKTEAGSGSIGKLFV
EVLSCDDLPNLDSGGEMMGNFTDSFCTLVYEDTCAMTDVIDDELSRWMPWTNRAF'SFNI
MHPASILYLGVDFDFVLGTHDPIGRVAVNVCNLQRDVTHTLYNLYPSSNVTERKAAGSI
TIRVRLWFDPRAALLAAMKSRPNMHVNVLKEKTFRVVRYTCYGEYGDKEGFDITLMRSY
INEIFEYKAGVSYAISDTLRSLLWKGQVEIFSIMLPLHSLILFVSTRLVEKQPQLIVPY
SLLAIAWMLANLTIIRRHQHPSPWQSRLSFFDYLNILRTGKSSIPVKCIKEYEGAAEARAY
ELAWEKRIEKDRKIAERKAELLQEINDISDVNIHTEVSNQALIPVDLLNRLARYQGIVGR
ICKKLRVFKIILTWEESIVSFLGSTDPDTLSQSSIVDNVSSYIPFVVTATFLSAGIVALA
LPWGFILTWVGRILVWGFGLGPHMKLVLDLFLRANEKRDGKLNLDLIKNFDIQSHQARLSREE
ALKIKDMKEVAFGTYSVHVPSFNLSRHHDRPLPQSSSRVYRKPPPHRKVGNNARVSVTDL
GSRCTLIPGQQLYGAMIPRPEHEEEIHKHQIRILAEKRMKSVKDFLRLNEVEGLSEYETK
QLKKMDIDTATPMAIGYEVVPFEECESVSSDTESESEGSTNKSAALCSLRNFSIKLMSDRL
GYVDCREARDLILRSDGVTTYCISENCEEEDEGMEVIGTGRFQSFQSDYGDDEMRSSIDS
KDPNVEERLTCALNSTEGSQMVYYRPPENGEVKKLEE

>comp6003_c0_seq1; 195 1 676 LEN=676; translated
XNNQONPKHVRI RTANTPTNNVRTSHSTNTIISSQRIAMFPSLVPVPGMNSYDDAGRAD
DDDDLGLSAMMAKTVSAATS SRPARGRSERDRGASRSRSRSSSILRRMVESVRAEKETK
TTATVNHHSRDGPSIPRRGRSRDRIGGESAAADENKNENDTSTIATNTGRSRSRSVVKS
IKSRDEKTKTSSKEKEKTKTKRKS KIRRI SLPVT PSEEKSETASS

>comp6007_c0_seq1; 339 1216 2337 LEN=2792; translated
MVKRLPKTKPDVRDVLLEANATPDSDTQIAFRKLRDQLEKDGWWRDLKHESKLLGIWGS
LVAFGAVAARTGHPVIGTVLLALSMTAAGWLGHDIHGVDPFSDKLRNFAAMAAGLLPVW
SDKHKHHALTNEQGVEDIATDPFLFQWAPSPENDHPLRKIQHLIFYIPFSFLFALWRI
DSVKVAISSVRQKRAGSKPGLYSILFHYTWLFAIFPIKVWLP AIFMSGLLSALIVTPTHQ
SEEMFSEYQPDWVTAQFQSTRNAVATNPFSEWLWGMQYQLEHHLFPSMPRMNYPKLRPI
LQKFAKDNNVPGGYRESGEFEILKMNWDLYRRVAKADPVP GAPSSRGTIGQQGGILSDN
SPAAALARASQIA

>comp6007_c0_seq2; 452 491 1990 LEN=2445; translated
MKIIANSKKTMPAAAAALAMLP AISTDAFVMPGRKAAVASVTSSFSPTSLVASTLET
PNV VVDNELSKDSNSKPRTS LDVRIHGEWYDLTGWRKAHPAGEHWIDWDYDGRDATEVMDGFH
SEKGRKMVKRLPKTKPDVRDVLLEANATPDSDTQIAFRKLRDQLEKDGWWRDLKHESKLL
GIWGS LVAFGAVAARTGHPVIGTVLLALSMTAAGWLGHDIHGVDPFSDKLRNFAAMAAG
LLPVWWSDKHKKHHALTNEQGVEDIATDPFLFQWAPSPENDHPLRKIQHLIFYIPFSFL
FALWRIDSVKVAISSVRQKRAGSKPGLYSILFHYTWLFAIFPIKVWLP AIFMSGLLSALI
VTPTHQSEEMFSEYQPDWVTAQFQSTRNAVATNPFSEWLWGMQYQLEHHLFPSMPRMNY
PKLRPILQKFAKDNNVPGGYRESGEFEILKMNWDLYRRVAKADPVP GAPSSRGTIGQQGG
ILSDNSPAAALARASQIA

>comp6008_c0_seq1; 580 1 1046 LEN=1185; translated
XLLESKNPEGELLASVSESDSDSDSDSDDDYLPTSNQRRNVFAGFAAAGFSSSDSDSSE
EDDDDEGDRDQKLS PDRLKDP PPGSRGGKQPQDDGEDRIDFDELIAQNEILRR
ELDERREKRESEEEAEQAPRALPFHETYDPDDYDANEQR IASVQHRLRKT LASRGVAPRD
RSSETFDPLDAIAMGKTLQEV LQANI EDLQNKLDAYKRHKEDCQLMARQFALQGGNSKA
LPAQYVRKQDAADNARRRANVHHAGSHYHMQCSRSMQFGKKYKGLMARHSSQGSRLQASR
MAAKEMQLQQRSHAKQVTSKKSQ QKKRGEAGGSKKNGGKKGKGGDD

>comp6009_c0_seq1; 377 213 1538 LEN=1762; translated
MKMEKMSFRDKEYV PSTSQNLIESSWDSGILSHEWDGVEFTKSNKLSACSSFFDSL LHD
HNIADIDFVPD NAKPRSNVPRSVYFHSPEDEKKSANRWNSCITRSNPRTL RGKLNKVS
SRSNVAPSIETGQGAASRYDESLSPMRSKHPKPGDLESTHRVSTPRRADKSPSMQSDC
DEPMPTPAAAPSSLKDTGFLPPLWERLNNGNATHQLPRSIPLSAKQVKGRSPSYHCSSP
PLLI STPPYPLRGEDLQRR TMSKKT TAQNSNLWHDVGS LKPRRAPRNDLIAAETQSKPRF
PVLKETSSSRSTSRVDGADC SNCR TSLRSLRGKHWGGDDTVAESTISSFKIVKLATDLLN
QNPPLVSSSTPRNSLRRRSIRVSHALDNRRHSRLHP IRQHS DNSNMERC PKPPVRRRSVS

FDSPIPPVRRRSVSFGSDEEV

>comp6010_c0_seq1; 148 88 888 LEN=999; translated
MMQTGTCCAPMDASSPPRPPSPRHPESSAAPGPADSLGCGNDRSPDAPLPSPLVRFEAR
YLTSRHRSLFVRQRCYVHYRATYGRWPAPGARRGLPPARNDGDNDSGDNSDVFLGHN
KRSPPRSPLVRQDAFRSGGPPGSPDYRSAYRSACRSAPSDAYSRSASGARRRRDPG
QNGQRDGGTRLLAEGVRKQPALGACGRARLRLPAGNALSGVSPLRHQSGARGGSPNGP
GEGPAQKRWFFDPLISKTSAMNNFLE

>comp6011_c0_seq1; 555 54 1907 LEN=2397; translated
MMKFPLLSSVFCIVLLQFPLRVQGSSEEEERWQRTTTRSRPRPSRRQRRHGFDANVEPD
LQDHAYSEFVTDYFSLKQDDRQKPRDIVEGTISAFQSLLVGGLASLSTFLGIPIVTVISL
VASNAVVNENEINGGAVLPAIFGLVVGSIIGTTFTFFISIFSLWRAGVSFLDGLLET
ALKSWILEGKIWNPYEREWKSKTQSLENERRELLLMMEAQEAARKRRGLVVVDTKLYD
LLEVSPDASTSTIKKAYFSKARELHPDKNKDDPQAHERFVEVHEAYSVLSDEKRRSQYDR
WGSSESGSDDGIISPNDFDANVFVAVLFSNGSGIVSTPTIQKYVGDLGIFIDKGYKLT
ALAQAIALLKEQQGDGEPLNRVLGTLADELFGLENSEMRRKTRSEIATHLVSRAELLS
GQQCNNSGDGRTYNQKSISEETFRHVVRDEAQIMLRESGFYGPVYLEIIGSSLLFESSLH
LIPHRAQTFYQKWTSRKQFVQTLYDLVKNIDPSVEAKSHVLEIFSTGNLQGILKLI
TLYNRMDISTALREAIWRVLDNPSASRSERKRNRAIRIIGEEFSILANTEMALDNDSE
EAVNQFESNLVLAIQVASKLTT

>comp6012_c0_seq1; 257 1 1276 LEN=1645; translated
XATAIMITSAGTHCYHWRNKMKYVAETS NKWGGRRRTQASIDSRNEIPAEVEAGDNDY
EINDDYDDENRDENDGQLASSRAIQNDIISKFPQDHLVHCFGYGSGVFTQSLSREKGA
ANAGMLDLILVVDVTQKFHNENLQRFPHHYAPWLRFGGPNLARMQRQGLPWLPAHVL
FHVVDADSSGLPNMKYGVVDKDLVGLVWYSLYLAGRMHKPTLNVSRRDDDLVRAQTK
NLRAATSMALLSSSANDTATS AVSWPSLYRQIAALS YTGDFRMQVGGEDPLKLDKLI
QAPGQLQRFHDMYRPIFKSYEMSGFLSTSYSSGGGGSGGVWNPNDPSVINQLVRLPK
SLREGTATGTATTKSTKHLRVNHDVLAKALSAIVAPAARNQSFKGVFTLGFRKSI
RYASAKLSKGLFARKK

>comp6013_c0_seq1; 443 403 2127 LEN=2173; translated
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AESSFQQNYTKSSSRTPTTNSKANNDNSDRHDSSECESRHFHRVGECEGKAVIHK
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>comp6013_c0_seq2; 438 159 1823 LEN=1869; translated
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SRTPTTNSKANNDNSDRHDSSECESRHFHRVGECEGKAVIHKPKDGPPHIDFIVND
QIECYQGQDSMSLAGTSLAGRSEKSLDSYWPSKCLKKEVDEAGPKSCAKSVGAQF
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DVANC

>comp6013_c0_seq3; 443 215 1939 LEN=1985; translated
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PEWTFDATDGAGIDNVAMGLFELGREVSSDVANC
>comp6014_c0_seq1; 250 1 1001 LEN=1337; translated
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AATLNSMSVSHRLRMLPHVVASAFPSRFKADQVRDEGQKEGEEVHADSENGDASVGKAV
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>comp6015_c0_seq1; 443 152 2292 LEN=2533; translated
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SRV GKFRDTSQGYRDENIYDPTKAKEGKKLASNSVAARRKRAAASSAAVSAGQHSPLSDPLTF
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TGFENSKADNYFFFAFDGKGIQQGSGANDGFDPDVF GTTGWGDSIQDNMENFQRMKLD
AIDGDKSKEDNAQRVKSRRKSGMKFRSNRDI DAKNPGTDGEGKNERRSRKEGDQKGEDDKEY
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>comp6015_c0_seq2; 543 152 2065 LEN=2306; translated
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KEQKNPEETTKKDTQND SRV GKFRDTSQGYRDENIYDPTKAKEGKKLASNSVAARRKRA
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>comp6015_c0_seq3; 488 152 2180 LEN=2421; translated
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GEGKNERRSRKEGDQKGEDDKEYRQRRRSSSRKGRTPRQSGKAFDEKEGFSGDSEKFS
SKLGSFRAVFNRKQGT
>comp6015_c0_seq4; 498 152 2177 LEN=2418; translated
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KLG SFRAVFNRKQGT
>comp6016_c0_seq1; 454 201 1655 LEN=2114; translated

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GVVSNDFADGDISRWTELRTVNYHATLNSVLGAPTEFRFLNKPNSGGPRNFRVGYENQH
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KMRPQLLADGMRVTLVICTDGCSEDMETVLESLKGLPVNVVIRLCTDFGNVLDVFNALDE
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LAME

>comp6017_c0_seq1; 776 183 1604 LEN=1903; translated
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VLLANAVILGTLFLFGFFQATGGPVGTAVMGNWFCDKDAVKNRGSIFGFWTCHQYVGDVS
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KKEMA EKGETIEADTGLQAI SFVDAFRIPMVANYAFAFGFFKLTNYCLFFWLPYFLGKHF
DPVEANLIASLYSVGMMPGGIIVGYVSDIFGGRRALVIGVFMGLLIVFLSIFAKFSEAPD
LNPTVLLIMLFCMGILVGGPNNIITSAVAADLASHPSVRGSSKSLGTVTGLINGCGSFTS
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>comp6018_c0_seq1; 455 1 878 LEN=1292; translated
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EFQVDYGVKGDDSKFSTLKAPTPIEGDGTCTVTSAPSFSAAIATNAYQTGELTSSDVLAT
GGYSAMLHLLTAKSLEPSQKKHTVAPTFSHNSNNQRQQQYHEQEYKHLHQQQQYQPPEQQQ
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>comp6019_c0_seq1; 423 265 1311 LEN=1460; translated
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GAAYYDDEVYDKRRSTRTAIKANQEPEAPVRFNEQAERPPIFRQIPRGA KSKPKTATS
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>comp6020_c0_seq1; 257 78 953 LEN=1245; translated
MKHRQLYLYLLFCVVPRSVSGHFFWAETDQDADHLTVAFSEHAGVPDKVVERFADRVET
MAYHNGDTTKNVALALNEENLLEGNLPGLYPPGPAFVSGYLDNGPYERFKDVQFSFGAQ
IYDSEADYDGFRRPLLRDVG YVPTIVMRNCGGSPGKGSYQFDVAGLPSQGPFGVCLYRK
GGILLDCGTFSP PQVQELRGEDA HGATPTSVDRFRRLRGRDVANGDRGNSYTMNLSMDSM
SIESLDEPSLASPNLIYALANQTVVDDASGDISIYIASTSVYFQGPCQADF

>comp6021_c0_seq1; 109 1 208 LEN=1351; translated
XRAEQHDRERGEKQTVSSTKANLKD VNVYDTVEYDVRKEQHMRKEKWKETGKQNKKNNTN
FDMARALFN

>comp6022_c0_seq1; 222 158 403 LEN=1115; translated
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>comp6023_c0_seq1; 760 1 2875 LEN=2991; translated
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DDSGEETASCNATNIVFPERRHYNILLDGYARLVDEVRDRQGP NLDIAVKKIGFSK KKT
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PQTL LGHVHGLTCTEAVVCILD LMTSKNAQTYCVAASALQYAPLDEQSRYTPSSDGVDEK
GTNTP LGLQIFHNATKNGIHADGRLVNAIFRCYGD DIAGALDGWKTHIRRATDQYENRTR
LSTRKNMLAAYNGLLYVCGRAERPDIAVRIVYAMKKEGLEINENPYNCYRSGKTTRESLL
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>comp6025_c0_seq1; 631 181 2391 LEN=2431; translated
MSSLSDNSVCSTKTSQAWAILRRHARDEISNLRLQELCRDNDRVSSLSVSYNATTTPSANS
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RCEPFTTCTAATLLPLSIVFGWPAVEAFLSGAHDIDKHFVETNPRHNLVLLALTDVWND
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GGDESNTFVDEQEPAEHNRSNGNRPSTLLLCGR LDAFTCGQLVAMAEHRAVIKAWIWEID
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>comp6027_c0_seq2; 209 160 540 LEN=742; translated
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LGARRG

>comp6027_c0_seq3; 178 61 279 LEN=481; translated
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>comp6028_c0_seq1; 496 1 2694 LEN=2859; translated
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LLDESEYIARAPPPTAEEDAIAEQSEGPLVTYQGSCHCESIQFTALAPRELKAQDGPVKI
QFRHTQVRASNFR IYAGYEHLKTYVVFYHSSGNKGAHAF CQRCGVHVLVYAPSKSTPFLSI
NTRCLRDEDNRKIKLTSKKDGI SEGIPVAGQFDNTNMFSDQLSTISEVTQPFHFQMNH
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>comp6029_c0_seq1; 301 1 857 LEN=1016; translated
XLHGNI FVKTQTPNTLLLWHP SKRKTMRKMNSDDDDHQISPTHTPGPTMDAEKDTNI
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KRQRVKQKDKLDDNVSCYTGLDMVCDEALEARKLLVEKALD TVLRTQEVHGKTDGPSAR
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>comp6031_c0_seq1; 319 223 861 LEN=927; translated
MSALNLKTAASLMVHLLLVP TTVVEGFQHYHRVSI CHLASSSSTAERGNTVLFNTQGDDND
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>comp6031_c0_seq2; 248 223 693 LEN=1450; translated
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>comp6032_c0_seq1; 158 124 431 LEN=431; translated
MNQGSVPAAQPGARHVSQNVVDTSRLPQPLAKVAPSVDDDAQSLGVIAAPAADETQAHT
QTQTQSQTHQSSEIGTNNNTNSVAPAHIPVVEETTNSSSSSSX

>comp6032_c0_seq2; 149 124 362 LEN=362; translated
MNQGSVPAAQPGARHVSQNVVDTSRLPQPLAKVAPSVDDDAQSLGVIAAPAADETQAHT
QTQTQPVVEETTNSSSSSSX

>comp6033_c0_seq1; 477 1 2297 LEN=2411; translated
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>comp6034_c0_seq1; 513 1 2635 LEN=2779; translated
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FRTLLKTALSPLSQLESSPDGIYAQTIKGNLRSLLGSGQGLPLLPYELDFSYGAPGEH
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FIVTGTTADELRTISTRDLPAQLATDETPCAFCIVEIVSSTGVKPDDTLPSLQKSLQKGL
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>comp6036_c0_seq1; 842 292 2745 LEN=2844; translated
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DMFLTGTQTSRLIGVIVALGNGLIDREFIDCVFDENYPHLVPTPPAPHFGVVSSEVQYANQ
EGKTRRILSARMSDRYTEGWNNNEATIRRVKDWQNEVYKYVDSKWKDGRDEQGRLRSEQE
WTEKVLLPWAEKAKEHLEDYKRWKKKQHQSDDLSESSAKHDSHTESSYAPESSRIPQIE
PIDPTVPEVYKDVLLHHLRKLDAASGEWPMPTSSKRQLVMVSSSDGVKENGKGTESLALACLK
AKRNELTGSSAYSFAEQGGASGSFVSGIMPGGDKKQPKANSMPDLVKAFFLETKLFP
DREPSSTIAVNRNAQFRPHTDSGAGAGQSTSLIVGLGTYGGGELMVEGDKHDIRYKAIEF
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>comp6036_c0_seq2; 842 457 2910 LEN=3009; translated
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GSSCSKSIMIRNGEDAGHILMETINELENEINGFSDEDDNGDGENPNSSSSINNINRSY
GYSARSAECVKQDEDTAAITEVMTARLYPLHKDMSMENWLDLVQKLLDDKFDEGHDNTMD
DGNSFRVTPVRIIGRQDMPNLRFNEMDITYRRVEYVLPVDFFSWSPRNAEFKEKIHETP
IFKENPKHIDHVKETTNPDPATKAFMMELKNFFKLLTTRVVKLDVTDEASVLEKGFSA
KKLMKRKRDKKQDAEDNRDKCAGCSTSTNAQQKLEGASSVDFKDSRPTKKVKPTKKP
KKTNVLKRKRYHNFTEKLMAHEYLTYRRLDRIYHRSTLKFPMESSESKMKTTSYMLSMSG
DMFLTGTQTSRLIGVIVALGNGLIDREFIDCVFDENYPHLVPTPPAPHFGVVSSEVQYANQ
EGKTRRILSARMSDRYTEGWNNNEATIRRVKDWQNEVYKYVDSKWKDGRDEQGRLRSEQE
WTEKVLLPWAEKAKEHLEDYKRWKKKQHQSDDLSESSAKHDSHTESSYAPESSRIPQIE
PIDPTVPEVYKDVLLHHLRKLDAASGEWPMPTSSKRQLVMVSSSDGVKENGKGTESLALACLK
AKRNELTGSSAYSFAEQGGASGSFVSGIMPGGDKKQPKANSMPDLVKAFFLETKLFP
DREPSSTIAVNRNAQFRPHTDSGAGAGQSTSLIVGLGTYGGGELMVEGDKHDIRYKAIEF
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>comp6037_c0_seq1; 50 1 498 LEN=691; translated
AKAANGGLPSGVPESPHGFPSDGPWHASCHMSVVLPTACPDALAAALEVIEANVDTGT

EFKGTMSVFDGRSDWIWSSRLTYDRRYTDDQLFGFAGAPGDPSSCFLAMRSRSRSRSLVD
YGVNYCNMWNVVSRLPGFEGAGAPLVSECYSRNVPSDFVATCARY
>comp6037_c1_seq1; 156 1 514 LEN=514; translated
EWETTSNTKMQQLRYVVTYACHRHADYSNPSILAIQRTVQRDLATKVAERRPTNHSSTTKS
VQQEPQQTATGTAAPNMLQQHRSSYDDQLGTARVAAATVDAPDAKASPSAPGRARS AVL
VFLAAAWAI AVAVAVVVVAPRSLRPGNSKGNKGNRSRSGVREATAKAANGGG
>comp6039_c0_seq1; 482 279 1835 LEN=1988; translated
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TEVPSTDDRRPMHILFLSADTGGGHRASAEALAKQFLIQFPGSTYELVDIWSDHGIFPYT
NHVELYKQWSAKPWQWRLFYHLSNTKVNVEVSNLHSRFLCGDSIRERLKS D KPDVIVSVH
PAMNHTPLKSTHKNSKELGKHIPFFTVVTDLGS AHCMWFERKVDKLYVASDRLYKLARRR
GGTAPEDIVRTGLPIRHGFADQAEKLGQDRSAPQGIQYQAQVRKELGIAPDKQMVLMVG
GEGVGSLSDIVNNIYAELSSKGV DATICVVCGRNEKLNELATRN FDEVI E E I KAKAEKR
RNGVRGVLGKVR RNRI AARQAAEASTATMSQKGNIDVMPLGFLTNIPEYMVAADV L VSK
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>comp6040_c0_seq1; 282 148 529 LEN=529; translated
MDPSASEARGNNANRGSE D GANSSSNDDSN GTTFRASRPTPLTPYSFIDPLGLGMDS PY
ILPNPQMAANYFAFMNGLNGSAASPATAAAGAGTAPAPASSKRVTVHIVGTNHKNKNNNR
TSNSNSNX
>comp6041_c0_seq1; 344 614 1609 LEN=1697; translated
MGSKKDQDTTITIGTNE SLVVLHETLSRALVTPNSSSNLHEKALQEKQEETQRKALSPRP
LKKRKISIQGT MATQVSATQVSEAVDAGEDEALIRRKQLAAKLRAGVCSKLVLPSSFA
RTIFVKNTRQYSSSPIELPPFYDPTPADVDI HQNHSHKLYNYVRKGTDMEGFKEFVREL
RRKYNSSNTSMQGNQPFRCCKNFGESLIHLTCRRGRTEMTRFLVEELVENNAVAARQTLT
VRDDCLKTPLHDACWTPTPNFELVELILKHCPEQVLMADIRGNTPFDYIRKEDTNLWLKF
LWQRKHLLRGISTSTTMTRDATPSNVAIPSN
>comp6042_c0_seq1; 116 1 694 LEN=1055; minus strand; translated
XVTTDAIKGN GAVESPGEQICNLAVKCAPVAQGVAMWAREITRGGEFVSSASYVVISPSI
MTLARIVYMHHPFTRDDVVEVAFQFLKHSNSEVVYHTMNTLKEQSLRLLLFLCTRGEAPV
VFSQLMPLLKDPGRSGLDASLIRYFVSGLLEIASPPFSIPFVRS LMILLKAPGSVDALKT
SYFDKDSKSR LKSVMNYLRTRL SGKLRPLAKEDISLINSVLSIYSPTSG
>comp6043_c0_seq1; 324 339 1604 LEN=2380; translated
MPAQE LDFVIHDMLAMSAFCYHFHSIRTIVRSKDNTTVKTGFLGFGKPREIKFFRPELI
ITRNSGIERDPNQQLLHDITPAAIQEFIEENRSLFQDDMDGSLEFDPSDTKKDEPFLVE
GVLKEQMEDNLKI IDYDDRFSTDKGGLVYMIVTNL TQKTITVCFRGTIGTTDMHTDRDFR
LNTEAFFGSEDDF SVPKSESHNPATHNGFTTYLTSNRETDSIERPYAQRILACLNAEFGN
NKDVKGKGFKLFVTGHS LGGGLANLFAFRAAQLKARGDKAVEHLPDMIKALTFAAPCVGN
EGYEA EFQALEKKGFLRHIRVANEEDVVPTNCISL PFS LAIKGDTSLYRQNGVNLQFHPD
KTCDIVYGNTKSMLSQFSPTRSLNTHYLTEYRVRVVGKPENEKVYDQTI EDIYKEATNNFA
A
>comp6044_c0_seq1; 86 232 615 LEN=1684; translated
MAGRHLGAFSRTLPAKMAVGPFARLIAQAIIPVVAVLARAIPAAYGQALNNAKKAGVDAS
EAAAPVFGKTI SRSEALMVLNLT EDEVKADPKAVQKVSIDHRSAARRCVFSFVALVVGI
AVQFDRVW
>comp6044_c0_seq2; 130 232 675 LEN=1237; translated
MAGRHLGAFSRTLPAKMAVGPFARLIAQAIIPVVAVLARAIPAAYGQALNNAKKAGVDAS
EAAAPVFGKTI SRSEALMVLNLT EDEVKADPKAVQKQFEKYFEANDVSKGGSFYLQSKIY
RANELLQEFQAEKQKEASSTTAGDKKQ
>comp6045_c0_seq1; 415 119 916 LEN=1003; translated
MFRNQYD TDVTVWSPEGRLLQVEYAMESVKQGSACVGVKSGTHVVLGALKRSVSELSSHQ
KKLLEIDDHICMGIAGLTADARSLAKYMRNECLNHKYVYGAPITPAVIMGDLADKHQRTT
QTYVRRRPFVGLLVAGVDPQFQTPHLYQTCPSGNMYEFYASAVGARSQSARTYLEKHYES
FPEASLDDLI VHALQALVGCVSGDDELTKENGSIA YVVKDQKYVLLLEGDALQP YLDKLEV
KNAQEDED D D D D D E E E K S E D E T M E T
>comp6046_c0_seq1; 601 122 1510 LEN=1649; translated
MVGSVKLLIASLCLGQVNSQREQLRGRNAKESLDERERNLQVAPTFTFEEQEGYDDYFEL
PTDVA FSGGQAASDYFTETGDGMEYHWESASGGRVESGGGYFEDATDPATDPPKIGKFTK
AVKSAKSKEGRYFAKSGKSGKAFKSAKKGKSMKGQHMNTRAYDDKHDGYYEGDVVVEAEH
DDYFAGTSFGAAVVDTPSYADYFAYDPTTTGRTESDDYFNPAPKPRSEVEGRSSSFQHRS

SANQQQQQQRQRQPTTFDDDFNNEEVVIFRPRPVVTVGGSVFVSNPQTLIPPLVPDGS
GNTLTVGTQYLFSEEELEDAANVNSQLVPVEVDNARVNFVNLVDGYCDRIGPQDQNSVQGY
CFFTYTFIDPQTRFISGAFTAQGIIVNSQVPGQLTITGGTMMTGASGLVEVLPAAIDNG
RNPPLLIQPQAGADPFNDVSGWAHFFEFVDVDFLFFLPDLYAQ

>comp6048_c0_seq1; 189 1 1123 LEN=1916; translated
XSVLLGTLRTARFQGIQTKATFRSKTKATRMTEASPTSTAMP IWITDSRIDPSWIEENMP
GDFPSVSGCTAEDISNDGRRGNPNRNGSTLLLRVTRRDDGIETNTATKIKTLVAKQIPPS
GLALSQRLGLAREAMFYNLAPRIKFPVRCCTPKIYCSSGSMDDGSKIIVMEDLSGGFVD
SGILFGPGNPNNWSRDLWAAIAGAYPTLSRVPTPFVAVANQSFVAMASVHAAFWRDSALLG
DEYSWLRGSSWTSGSDEASWRASQGVVQASWARYTASEIENDNDGGNNNDEQRIQWDLV
REILETAMKGISWESQRQRLNAGSNFCLVHGDFWPGNVMISKDQGPATSVIENDGRKGC
LRQLRLLDWEMVGE

>comp6048_c0_seq2; 220 1 1447 LEN=1784; translated
XSVLLGTLRTARFQGIQTKATFRSKTKATRMTEASPTSTAMP IWITDSRIDPSWIEENMP
GDFPSVSGCTAEDISNDGRRGNPNRNGSTLLLRVTRRDDGIETNTATKIKTLVAKQIPPS
GLALSQRLGLAREAMFYNLAPRIKFPVRCCTPKIYCSSGSMDDGSKIIVMEDLSGGFVD
SGILFGPGNPNNWSRDLWAAIAGAYPTLSRVPTPFVAVANQSFVAMASVHAAFWRDSALLG
DEYSWLRGSSWTSGSDEASWRASQGVVQASWARYTASEIENDNDGGNNNDEQRIQWDLV
REILETAMKGISWESQRQRLNAGSNFCLVHGDFWPGNVMISKDQGPATSVIENDGRKGC
LRQLRLLDWEMVGLGSGPQELGQYIISNMDPSERLVCEETLVRNYYQQLVHELGSNGSSC
NYSWEECWSEYKIGGLERWLWFLAYFSGQPSMVEWTRFFHDQVKAFFVHDHKIGPANVTQP
RP

>comp6049_c0_seq1; 436 98 1387 LEN=1458; minus strand; translated
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NPNDYRAIVKISDLYLQFNRRKAPTLDQPEDVDRVAVVSQLTQVEGTQSWKLGNSLDV
GEMVESGIWAVKVLSDTEATIPYAKVAVYNSKHDFDEPMVDEARSQMPFPTTAPLPITKR
RATKNPTPLPTRPTPIHNTHP IHSPTSPSPNPTKDPTFLPTSNPTNGSTPFPTKDPH
LPTPDPTKVPTSLPTNGPTSSPSVTSSDLVIYEVFPNPKRENDKDAEYIKLFPSTVATV
SLSEYQVYDSTSNRYSVLTAKPTLGPREFFILCRNKRFDDVESVIPSGASDGCDDQGHF
LLHDLRSTIILQRQEGGEHEDIDSVQTVDARDHGDKIYARLSDNVNAETECATCFDWFPA
YDGPKAAQG

>comp6049_c0_seq2; 426 116 1753 LEN=1824; minus strand; translated
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FNGNDAPQLCYNAAKSWYLGWYEEENGHEEVPWNGYWEGKLVAVPDYLEKIKGIGNPND
EYRAIVKISDLYLQFNRRKAPTLDQPEDVDRVAVVSQLTQVEGTQSWKLGNSLDVGMV
ESGIWAVKVLSDTEATIPYAKVAVYNSKHDFDEPMVDEARSQMPFPTTAPLPITKRRATK
NPTPLPTRPTPIHNTHP IHSPTSPSPNPTKDPTFLPTSNPTNGSTPFPTKDPHLP
DPTKVPTSLPTNGPTSSPSVTSSDLVIYEVFPNPKRENDKDAEYIKLFPSTVATVSLSE
YQVYDSTSNRYSVLTAKPTLGPREFFILCRNKRFDDVESVIPSGASDGCDDQGHFLLHD
RLSTIILQRQEGGEHEDIDSVQTVDARDHGDKIYARLSDNVNAETECATCFDWFPA
YDGPKAAQG

>comp6057_c0_seq1; 233 727 1394 LEN=1555; minus strand; translated
MKHGVVLARQCFHVSRCYEGVLELRRTLSVNGRGRPVVWPVQNLVAPLADHRFDRKCV
PFRHLSVGFVAVVQDVGSGVEDAANSVTTKVSDGRKAKRNNVVFHDGPPQFFVVPAGLNK
LAGFDPAIVCCLQQLPLLDVAVYKHFVAVSVAVQVYRDIDIDNIXHPLVSDRLEFRG
KSPRLHSYNSLEIRGSSVELLVKQNRFTTRTTNKNTDKEESE

>comp6057_c0_seq2; 444 179 1417 LEN=2035; translated
MPLAAAFRPSGLSPRMVPSTFSQTNRVENDRTSSSPTALFMGKKGKGGKGGPPPPAGKG
FGGAIATDSPIDKFPYAGTVRPGIQSPQRKIVLSSEEAKKILPDYALDGRPKKGSNSPLL
PWIEVKKPEEIEKMRVSGKLAREILDLAGRAVKPGITTDEIDTIVHEAAILAAGAYPSPL
NYHGFPKSCCTSVNEVICHGIPDDRKLKGDVNNIDITVYLNHYHGDCSEMFFVVDIDQQ
GKALLQATYDCWIKACEFVQGRDYKELGAIMEDHVPLGFSSVRNFCGHGIGSVFHTTP
NILHYRNNEPNGQMAKHTFTIEPMICEGSKVNLNWPDDWTATTVDGKRSAQFEHTLVVT
SDGVEALTCKNENSMLHFWEKESVYKGFVLSSEAAKERAEALNTKILGDL

>comp6064_c0_seq1; 242 512 1105 LEN=1238; translated
MPGKHWPVVSFTGGLRELRVVEDGSFISMRGNQIVKPLKGCWELVWRKGDPDGTLTFGLE
LDQVYKRNDATLPGMIYISLTTWSSEGLKNAQSFKKRSTERADMALKKRDEEIEFKMNH
TNIHQKGLHYKALCAFDEYLMENLKMRRIPSEDEVVHLEGDLYICKSGKVWTHDSPMG
KQATIGTVSLELLSKKM

>comp6075_c0_seq1; 182 1 543 LEN=671; translated
CPSISFILFGSFSIFPAGIDLVDGVDVPTFLSVLFFRLKNSPSADFDRTKGRFSEEEFP
SSALPLSIFSLKLARRNNSPREFLDLLRLKEGFSIGGLSRTWSSTLWLINSSNPVRSAS
FSTPSSWMEGSTSDLARRCCEILGRSMEGGDKDGVALLWLRDRAILGDLERFFLNEILF
>comp6078_c0_seq1; 104 1 238 LEN=238; minus strand; translated
XGDYMASIGLSDRTEAIIAGSFLEEFPAELSKCDAFIMRYVIHDWGDEENVKILENIRAVA
SKTEKKKVVVVMDQILDGTGA
>comp6088_c0_seq1; 275 188 910 LEN=1378; translated
MAKESKGNRNNSHVNGHALLLYPSDGALPLQMYLENALSTVDNEEDPAVTENDVQTAIT
SAKNDGNSRNSNILVVVDGTWAQTQSMVQNSNDLLWKLPRVMFDETTNSLFDLSLRQEPAP
HCTSTLEAVSRAIRLLSGSPASAADNDCTGSRGADALEKSLEAMVDGQLRFALDDENARP
RYRKNETGEGTKPVSKREAGRARKLVSKRRQTSLSLPKAKSKEEIELDRIRFVYIAHMG
>comp6088_c0_seq2; 293 1 977 LEN=1445; translated
XSTAGSRGYCPRCKRPNVVCICHALPDEPIDCGTRILILQHPREARKRKRSTVPLIGLS
IQNVEICVGTKEFERGSHPLLDALMAKESKGNRNNSHVNGHALLLYPSDGALPLQMYL
ENALSTVDNEEDPAVTENDVQTAITSAKNDGNSRNSNILVVVDGTWAQTQSMVQNSNDLL
WKLPRVMFDETTNSLFDLSLRQEPAPHCTSTLEAVSRAIRLLSGSPASAADNDCTGSRGAD
ALEKSLEAMVDGQLRFALDDENARPRYRKNETGEGTKPVSKREAGRARKLVSKRRQTSL
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>comp6089_c0_seq1; 502 194 1609 LEN=1909; translated
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NAAAAEAASTWSRKSMSYADGFVEPICRQDDDGTRFSLFPIEHPDLWSMYKHVASFMTA
DEIDLADLTDWQENLTKNEKHFISMVLAFFAGADGIVVENLAERFCRDVTVPEARCFYG
FQMAMESIHQETYCLLIDTYITNPKDRELLFSAHTRVPSVEKKAKWAQRYIGSDASFAER
LVAFAAVEGIFFGAFCSIYWLKKGRLMPGLTFSNELISRDEGLHCSFACQLYSKLERRL
SEKDIHQILIGEAVEVEKEFEVCDALPVSLIGMKNKSLMAQYIEFVADRLLGDLGYRPMFGSK
NPFDWDMISLEGKTNFFEKRVEYQKSGVMANLDQTTAGTRGNLNFDAF
>comp6089_c0_seq2; 316 194 1049 LEN=1349; translated
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IEGMQTCCLLIDTYITNPKDRELLFSAHTRVPSVEKKAKWAQRYIGSDASFAERLVAFAAV
EGIFFSGAFCSIYWLKKGRLMPGLTFSNELISRDEGLHCSFACQLYSKLERRLSEKDIHQ
LIGEAVEVEKEFEVCDALPVSLIGMKNKSLMAQYIEFVADRLLGDLGYRPMFGSKNPFDWDM
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>comp6093_c0_seq1; 561 490 2043 LEN=2958; translated
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AEYGYENMEDSDEEDEDIEPSPYKRRGRSLETGKANKHRRIRVGPQQNNDKSGAKKQP
PQVHLTKVENMLHRVSKNISVEHVHFPPPQLQNLGKEVNAKGPAGDVLTAKEKKHYDEF
DKLLGYRLKPNPNIVKITSSFLGPLMRIIRIAIYGSRISFNVWTRDPYLTFWIFSLWTL
LMFVLLIFPWRTFFFCSFILLGPQNIQVVRKYLERRAKQREQEEKEDEEREALKAQLKIN
DPQRLAEQQQLQSRRTTSPDENKKSEEKDGRRKRSWGLSRKKEEIHQQQDEIHEADMFLS
PRPAFYAHCKPNKRTSLVPRDVAVPYFRFRKDRFYDWPDPVSRATPMFITSSLGELEG
GQYSTINYGPRVGSPPHQGPHEQVGLRNRGRINHQKDH
>comp6093_c0_seq2; 733 389 3310 LEN=4225; translated
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QMMAGSSNFVFLTSYLTPTKATRHAKVSAVQRHFHGFSPKEDGRIGSLRLEILGCVGLD
RFKPEVSVYAVCGDCAFTTDIEGTRSPMWPNSKTRATVFLHAYARAFIGVFDVKQQK
EKEADYLCGRVTIDIASLKPDEYDITFPLRVSSFIYDRRPRGVVRVRFSLHWFERSAL
LSYLKRPNPLAFSRQAKKFTIPCGDPKTFRNVAVTVHGQDFPGKYTRAAFRSTMREFN
LSQQNIRFLLKVIILDCILYENPLMSIYFLTSMYCVSVNSIRLAPPFFVGWLIYLLLEN
NFYFTRTQEGNLGYQGLTIQELFFSLVFDGKKNRKMRRPLLIIKKRPRRQVIGEDGKYMDI
ELHNHREFPFSEYKPFSAADAIASAPTTNKKPKGKNKDKGAVPIDISSRRQLQTARR
LSMYIAPADLQOQDETDEESDESHGADDDEEDNILDEAEYGYENMEDSDEEDEDIEPSPY
KRRGRSLETGKANKHRRIRVGPQQNNDKSGAKKQPPQVHLTKVENMLHRVSKNISVEHV
HFPPPQLQNLGKEVNAKGPAGDVLTAKEKKHYDEFDKLLGYRLKPNPNIVKITSSFLGP
LMRIIRIAIYGSRISFNVWTRDPYLTFWIFSLWTLMFVLLIFPWRTFFFCSFILLGP
QNIQVVRKYLERRAKQREQEEKEDEEREALKAQLKINDPQRLAEQQQLQSRRTTSPDENKK
SEEKDGRRKRSWGLSRKKEEIHQQQDEIHEADMFLSPRPAFYAHCKPNKRTSLVPRDVAV

PYFRFRKDRFYDWPPDPTVSRATPMFITSSSLGEGEGGQYSTINYGPRVGSPPHQGPHEQVG
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>comp6095_c0_seq1; 448 1 1851 LEN=2238; translated
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QLAGLPDSVLSLREAI AIEIGFEQSLGRKNVYEGTQIHKGI VKAIWSRAANEKNSDSGNEQ
RGPADRQLVAWQDSIRGAMEKELAVASSAATAGSGVKVEFLGFLRRVMLRASVEMFLGKA
FLAGWTGDFDFLEEFVGFQDTLEDVTAKAAVLPWFALVALLWPLGRKRETLQRVIEKRLE
AVLGMDGDNDAGFWLEAVLAQGVPSDVAEFVVGLLFAAHKNPAIGAAQTYLLLLREHGSE
EVLERCSEAEALLSETDVPVWSGLGEALPTLRACLESLRLTAHSIGGIRKAQRDITVT
VSAEKGDQLLRNEAAAAAKTITYQISRGTTVGFAHTTSSLDPSIWGADAARFDAGLDRYP
EDKYQDDYSFTTFSNGTHRC PGRV LAMVQLQLANALLLAEYEVELPETLPALDFERATLA
QREGPVLVSITKRTRT

>comp6098_c0_seq1; 204 1 574 LEN=741; translated
XPTLGMSIGLTVRMGHI IAYDIVKAKLLAIWCM LFTVVF GAILSTSLYIFRVEIAMLFTD
DIEVVEGCKAIWGLKSCYVFLHIFGINSAILRVLGLQWRMAIIIFGFLWFVTLPSIIF
AVHRGGGLYAVWSILPIFYTMQVLLAFS YLTADWESIGKEIHDRAHGEQS QKVPTTEDE
TKALLPSEQKR

>comp6099_c0_seq1; 499 311 2368 LEN=2483; minus strand; translated
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LTRKPKTINRDNDRSNNNSRVQKDNANTNDGDSISR IKNNNNTICGNRRRQCCPGSTAWI
VAWIVLVLCRQLMTETGLLR TALASYGAPCHYFDRGGWTEQGDECGYGRGNRNRPSRSA
HGSSVDASSNQT LGSNDKNSSSINITVPSLPSALDLLNPPFKKNYTIRVLGGDSIGDIY
NSNCNGSDTAVTTTSRKNKNSNNRNIIVTAYYKIPSKHTPERYRDWMKNFLGRFRDPVVA
FTSPDMVDSLALRCPLSNSSSSNSTSDKDLNRSLSQSPACFPTVLVALPLEELPLAELY
PKSFWVDQLDRDPEGKIHAPLRGDP RVGGRFESGELYWIWLSKAWFVHEAVGLLMQEQHQ
GANEEKKSVEEEVAATTRLTSTATAAEGEKEHC PERDKRGDVF AWIDIGSFRQSENETET
TPTTITSKARHKV LIRHPEVVPDDEVLFWSHSPA HKISSGNDKNKQKKHDYSPVPPNLSP
YSDDKLSNGRKHFFHAGAHFAGR PESIEKLYFRFLETVDVFVHRNMLLADDQAVMQSAC
LGYFDGQGYNRPSGGSVNTSGNNGNL CAYATRDMVDGRGGSKWFLAGLLQYGPAAKAY
RSDRSKLLGAYWRPPSREHYSEYSA

>comp6110_c0_seq1; 412 1 1648 LEN=1787; translated
XCIEEEIATTKKKVEDAEAMRIVHPSTQNERNLTKAKAAHERAKMGLCVMAREHHRTGHI
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NRTTVVNLNTFEVLQALKKGDTEKTNCPICYDVLGNGD GSHGKVYLTRCGHLSCKCCLNH
WINQKERQGSTISCIECRKRITRNQLICVDPKKVDQDHLMDSKQKARALVKQAAKMLEEN
FGKLPKPHLWEALYLVIDLPPGIDQDLDESFTAIPGLFLAHLRHFLRGSMPLGAPPNFPAG
AVSKGSNECNLSSKFRALLSDLPRNELSVVFASSKSI VLHLKRVLETKGFTSKTLFVQGS
EEQSECAISDWEDSNGSKNPMVLIVQAGAAACGLTLTAASKMFILEPFRKHEEEKQAYAR
LHRYGQTRREVHCKVYYTPVSVESR LLEWRRRATAHSP EEEKTVYAPLRQNDCKDEDDGT
DGKSTDQSQSNERSADPEENASGIEDENQIRFL LGIDPPLATTTSTSTVESTTLATTAES
SSSTNSSSY

>comp6111_c0_seq1; 497 1 1347 LEN=1899; translated
EAAGLEAALDGSSNNELFSSLTVFAPTNVAIENYDLLGFSDSMFNNETDAGAIRDILLFH
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RLVGLSRNDPEGVELLNALD TTAATV FAPANAAATVFSPPNEGLFAYTSEGSFDLTNP GDV
TKILRNHVVLGTKL LLEDLVCDQ TLEMSNNSTTTTECGMNQAGTEVVKRFQVGDGNSPGN
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ATPGVSGEVSSNSVDVTGGASADT SASANGTPGPSTDASASSNGTPGLPADGTPGASAD
ASASSNDTPGVSAGDTPDASSGVPPPWA

>comp6111_c0_seq2; 181 1 600 LEN=600; translated
EAAGLEAALDGSSNNELFSSLTVFAPTNVAIENYDLLGFSDSMFNNETDAGAIRDILLFH
TIAGSVIESSAIDCSNSSLT TANGGSAEISCALDGFVVTGDANANTTAAEAVVRIT
PDVAACNGILHGIDGVVPSLPGTISP PGLDGPPPDLVLPDDEDCQSF GNETIIFFMGXG
FRLFHAVRSETLKSSLFLT NX

>comp6113_c0_seq1; 165 621 1200 LEN=1200; minus strand; translated
MEERVYSKAVNKIGLGNRVIDGKELHRFFSTDEIDSLARDNDWVECIRCKQWRMFPPDHT
ANVAKLPKEWVCEMMNEYDARMELTCSFKEK DSEWYHHFKKPNKKVLSRTSHTAEAVIR

ETTNVISAAQSEIKVDRDVILKLVTLFTRGKNAARIVTKHYFHEALFSDASTRTNASRT
NREHPASDTEIFKX
>comp6113_c0_seq2; 165 714 1293 LEN=1293; minus strand; translated
MEERVYSKAVNKIGLGNRVIDGKELHRFFSTDEIDSLARDNDWVECIRCKQWRMFPDHT
ANVAKLPKEWVCEMMNEYDARMELTCSFKKEDSEWYYHHFKKPNKKVLSRTSHTAEAVIR
ETTNVISAAQSEIKVDRDVILKLVTLFTRGKNAARIVTKHYFHEALFSDASTRTNASRT
NREHPASDTEIFKX
>comp6118_c0_seq1; 365 258 2154 LEN=2246; translated
MQGFKSTTLFVVILLVSTSLPFLEGARSRDDCRCLTASELNAGDFVLKENLEEDIESLVT
QVGLANGIADGNATESFQNEYGIGCKAHDAGLSECGAAGKPGEWCDYEWCVVDNGCKLDF
EPSRIFKKRSYSYAACGFIDESDRGPTLLNGMVLQGVIHNDHRGVEGTECEDKDNPTQTT
CHGTTMDLARYLVEEPTLNITINKDRAESYGPFFVENLENMDHGACVYAASLGVVVICIGA
FTKNRQRTMASSFLEMVTAEYLVVHEHTEQLSVMDKVKSIFEPFSPALWGMTFLVFSFL
GFLMLQEVSWETLREKPSANVKMSLYGSVMAFFARRPGPYCSKDVTSWGGRLTTLAICI
QILLSGAAYGAQLTTLLVRSVGFVSTIESIDDMVLYKFPICVLRNKIKVLDNAYGDSRFNY
AINPEDGLPGFNNRTELLAMDKGLCDCLLADEHVMAAHYSMGSHCDKIIVGKPVIELPW
GLPVSTNYAAPLNTAVTRMMQRGKWRDIMEDAEPENICPEKDINTKTTTPEIHNMLGAYV
LSGVIAATGIVISLWSYFRKRSRGRSCLKELPSEGNGDEGEQTLAHMEYGSTSNTDYHHL
QSAMSGLMAEIAGLKATMMEAKEEAAKKKDV
>comp6124_c0_seq1; 339 1 516 LEN=550; translated
XSFCFVLFCLPPFCSLDEAMATDPANLLIALADLLACRFLALIAIPGRAEGTPVTDET
AEWRDKFNAEMEELKAQQKAEASADTRKKGGAKGAVKEVDKSGRLTGYQHFTDKTGGTLN
IEAMEAAAENAQEDINEDLFDVSDDDFDDLDMDMDFDSSDEEDEDDEEEDPI
>comp6124_c0_seq2; 334 266 784 LEN=1199; translated
MSEELREEQEMEALEAIFDDCLEIISSEQPFWEAVDLYPEQLAADEEDEDAPQNHVGV
KVVAKIPLDYPEESLPEFNIKVLKGLTEEHEQEELLELANEEAENNRGMPVVYAVCERLRE
WLENNQKGMDDRSMTMLKRQKEEKRDEVRSESNESVWIQRKLDERFQNDW
>comp6124_c0_seq3; 685 266 1174 LEN=1208; translated
MSEELREEQEMEALEAIFDDCLEIISSEQPFWEAVDLYPEQLAADEEDEDAPQNHVGV
KVVAKIPLDYPEESLPEFNIKVLKGLTEEHEQEELLELANEEAENNRGMPVVYAVCERLRE
WLENNQKGMDDRSMTMLKRQKEEKRDEEKAKQVYEAQKKKEEMTQAESEELAVRRRR
AEGTPVTDETFAEWRDKFNAEMEELKAQQKAEASADTRKKGGAKGAVKEVDKSGRLTGYQ
HFTDKTGGTLNIEAMEAAAENAQEDINEDLFDVSDDDFDDLDMDMDFDSSDEEDEDDEEED
DI
>comp6134_c0_seq1; 123 894 1690 LEN=1690; minus strand; translated
MLQNWYMASQLHLQWAVLALDNELYEELGPSRAIPAKEEFTVSGPQEFRKGSFQGLTCN
KVRMALEVASACKMNVVFTDNDVNFQNPFEHDLGRLIRSQRYDYVYQPNQPAWAPLEDQ
CLKGNPRKEANTGFYFNHKKSEIYRNIAESMLEVCVRPENKIDQSLFWKEFWKAEKRIT
SRNQTEGSDASFHHCDSLSEYVNPWSQQNNFSKTSKSGSNKRIFQYCCLDPYFYPIGKHNARD
GPSNKNPVTYHANYASKYGRKVEKLV
>comp6136_c0_seq1; 256 1 880 LEN=1087; translated
XGIINRDGINDSAPTSVGLRPPDKRPARFSDAMKDDLVAVTEQASKRRKLAMSAQPPPS
SAALALDWEIEAESVGHGVSAAEDCRHNFVTADLGEDDPAEAATPGSGVADGNPTAGVSNQ
KAFVQSLIDSSDPKVVEAMFEAAVRATGGGSPADTRAAAILGIHATGAVANARGHEIDLA
LRLSKLLDARMQKLENRMAMLDDEVEGILEAEKVALEMERRDLYTAXVPALVRGRLTGSMQ
PVPPIDFGGALSFLSVACNTGTICNSNNIVETCPVPRNETFVELFRSKRNDAEW
>comp6144_c0_seq1; 147 172 540 LEN=815; translated
MKTKRISKDDSSASQDTNSTVSLYSGNNSVLGKRAADV LASSDLSAFGEKPKPDSKTLR
EIRESAERLAYELNDFLTKNEVPTTKLLKYNEGNGSPDFSHMTDEAIAIDLQLATARKLRE
VR
>comp6144_c0_seq2; 969 172 3072 LEN=3114; translated
MKTKRISKDDSSASQDTNSTVSLYSGNNSVLGKRAADV LASSDLSAFGEKPKPDSKTLR
EIRESAERLAYELNDFLTKNEVPTTKLLKYNEGNGSPDFSHMTDEAIAIDLQLATARKLRE
LLPRNRDLFTARENQWIPILLNWLTFHDRPAVQVESLLALTNIAELCAQQSYQHTQAQ
SSAVAAAAQAAAAVKGDSSSSFSMFYKDGQATYPYPSLVAPAPGSVPFPPLSFSQTL
SPEAVASFDASLTATI QNSKVF DKSSKDGKSSFSLPPAPLFPSSAQSSHGLFQNAKASQA
AGINFTSLAPPPGGAHSAVNNFTLPPPTPEPSLTCFPQQLSPSSQHLLLRHADAIPTLI
SLLSSSNKEVYEQSMWILGSI AVGDSPTSSSGSSSSSHEL SREKSVSARDVILAAGV
MNQLLRCL EAH PGNLSLQRIGSWT LSNLVEGIFQQQSHGKGGKASDYSSSDEIEMPILL
PVLRRLLRMADAEVLSYTCWTL SHLCDGPSSHIAEVVTTTRDES NAPKGGLVPRLVELLLLH

PSWRVTKPALRTIGNIVCAECSDDTNQIGTVTDYTEVILECGAVPRLKELVTHTNREIQK
EACWTLNSNIAAGTVDQIQAVIDSGAIPPLVKLVNRNKKTDQEVRSSEACWVVLNATSCGSDS
QIEVLVDEGCVSVLGLVLLSEASMVMMALEGLERVLQVEETREMIRREQUIENGEIKDVQKT
RNP SLVNSSLIEKARESHNSTAVTKRAERIWKQHFVSCALCKKSF SKHRPSDASFCPECK
CYVCCNCNCKVYHLDYQEELWAETEKTEQKSSKKNKNNKKKKEKAKQKKAKQEMNLVTF
EGVKEGTRVPQQAAGAVGDQSRSTVSSESVDKELKSTDDIRRTDSSKNSEPIEVDHSE
GQDEKQHQQPPIDFVLYLQQTGSIIALAKLMDALEYGEDLDEGLDDSELQLIREQQVLNQ
QQATT

>comp6158_c0_seq2; 190 99 545 LEN=768; translated
MRLTAELIASSEQRTNPLGEREIVLRGLAIPVVEHLGVTRDAYDAMDLDNRLTRLENFP
RLLRLSSLSLSGNII EAIDSSNLSKNLPLNQLYLDLSHNHISKLHEISNLGKAYHNSNAK
SESHSSKGNLECLNLHGPNVQRCMRYHK

>comp6158_c0_seq3; 245 99 992 LEN=1113; translated
MRLTAELIASSEQRTNPLGEREIVLRGLAIPVVEHLGVTRDAYDAMDLDNRLTRLENFP
RLLRLSSLSLSGNII EAIDSSNLSKNLPLNQLYLDLSHNHISKLHEISNLGKAYHNSNAK
SESHSSKGNLECLNLHGPNVQRRQHYRLTYIHSIPSLKVLDPHQIRITKSERDRARRLAVSA
AGAALESADVQDEAGKSKTFTFPEGASAEQSFVNFVVEEKELIREMVANAESPADIEEIE
RSVQRGVLP I KYLKKTD AIQRKDV DENETNSRKRSLPVPESGENQSNSEKIKKHGQ

>comp6162_c0_seq1; 329 1 931 LEN=1020; minus strand; translated
XVSVEKSDSSENP GIRMGMKETS SGRAVCISEISPSSLFARTPLRMGDIILSINNVS LHD
NADVF DAYAAMGKSEKRITLVAKKGGESLNDFLLAARSQPVMKGKLNHSGHDSFDSQLSS
KTAGTVGTTASGESGRGGSNDSFESFDGKSEDGVIGFKSTE EWKSNFRHDAVNNTSKAVS
SPSRRRNEFEFDEESYGASLFGYNASSNVRI IKS YCEDEDIGFKMLEITTEWGRLLVVS NV
TPRSLASCTDLKVGDAILSINGISFRKKASAARASSI IRDAHREVYIEYQKLSSFS PAVP
VDLKEDRILR

>comp6173_c0_seq1; 773 30 2242 LEN=2359; minus strand; translated
MVSLSGAPSLVRRRRTTTLAAVLFPVLLVLTAAATVWFRPSSYYHDFHFDGIGIGEVAQT
DPLASASAPKSAPGSPNNHEDDGP AKMVP AELELGLVYDESRDFVNERGFSPTGWEEPN
ADPTVWGPCRFTPVPRPGSSFSMAADVSWADRRRWTRSNETANATALLSRSDDYRNADPD
DFEYRVAVALS QLTGHNKSNEKHPPFKGGWCRPGFLI IGAGKCGTSSLYHYLMGHPRIVP
AIEKQIHYFKYHANTRPLAWYYGHFPTPQSFLDHGALMTGEASPGYLPYPEVAKLVHQTY
GGTGQDGAGTDVGM SLQYLLGDPAYRKRAPAVPPRI IAVGREPLDRMYSSYRYNYVPTI
EHLRSRGHPAIRKHRRYGTAKKKKSSHKEHASEEFV FELNHPDDEEYMPYLF TLEEFVRA
ELKQLRGC FYDWGKNLLNAFLGFVRLFRLTECTLXYLFELTRGLFAYRSTPFSPQGRKT
YMQWRRDSIYGKTIKLRNGAFVDNESSIAAGKNATDSSAPPPLIALDDVCYGKSVNKT VY
REQWAEMQMNNPEKKVLLNKNLHLTQALIGRSLYTFPLEWWYLDVHKSPQPPIFVCTDEL
TDSETLSELTAQLGLPAFDGFDQVLAEGAYNVGGHGRGYDTATSWEELELEKQKEQQQQN
NDESSRYSSSGSGGNRTRHRYAAAEDVPTAPKGAAPGTLTNGIPLPEDLYRELKDFV
DPLNERLFALTGKRCNW

>comp6173_c0_seq2; 691 1 2156 LEN=2273; minus strand; translated
LLRCGFVLLVLTAAATVWFRPSSYYHDFHFDGIGIGEVAQTDPLASASAPKSAPGSPNN
HEDDGP AKMVP AELELGLVYDESRDFVNERGFSPTGWEEPNADPTVWGPCRFTPVPRPGSS
FSMAADVSWADRRRWTRSNETANATALLSRSDDYRNADPD DFEYRVAVALS QLTGHNKS
NEKHPPFKGGWCRPGFLI IGAGKCGTSSLYHYLMGHPRIVPAIEKQIHYFKYHANTRPLA
WYYGHFPTPQSFLDHGALMTGEASPGYLPYPEVAKLVHQTYGGTGQDGAGTDVGM SLQYL
LGDPA YRKRAPAVPPRI IAVGREPLDRMYSSYRYNYVPTI EHLRSRGHPAIRKHRRYGT
KAKKKSSHKEHASEEFV FELNHPDDEEYMPYLF TLEEFVRAELKQLRGC FYDWGKNLLNA
FLGFVRLFRLTECTLXYLFELTRGLFAYRSTPFSPQGRKTYMQWRRDSIYGKTIKLRNG
AFVDNESSIAAGKNATDSSAPPPLIALDDVCYGKSVNKT VYREQWAEMQMNNPEKKVLLN
KNLHLTQALIGRSLYTFPLEWWYLDVHKSPQPPIFVCTDELTDSETLSELTAQLGLPAFD
GFDQVLAEGAYNVGGHGRGYDTATSWEELELEKQKEQQQQNDESSRYSSSGSGGNRT
RHYAAAEDVPTAPKGAAPGTLTNGIPLPEDLYRELKDFVDPLNERLFALTGKRCNW

>comp6177_c0_seq1; 524 1 1334 LEN=2111; translated
XRAGTGTGRPSLGSVLEEHRSPVAAASGSDAAKALVARPPTPLPPPPMAVPVAPPPSRAE
PPRKALSSDGVKDMGLSLAFARIDRMAIQREAEARDTPRRV PNRKLC KTRSGTVALSAK
EVDRRVMALS LDGILNETKKGRPAPVVRKMVSSKSGTLHKARKKNSKKTGTDKKKDAKSK
TSKKEKEKATTRASKTGKTKVMEITDDEGGSSPKARSSSRTSRSKSRDKDKKPKDSKA
GRKSVTRQKSESSRTTTCVSDDDDEEFLQFLEDFASPSDEESVFSDDVSI STCYDS DSSF
EHRMPLRERLAARAPRPPRRRSPSKKKSSGKKAASSRSGSDTDETKAKKKKKKKK GAGS
DYSDRDKDPEKKKKKKRRRESAADVATRESLARRGKNQEPATRATKTSKIRRIDHQKRP I

NHQKMPQRQDVQRLDQRGNTCPL
>comp6197_c0_seq1; 306 66 959 LEN=1143; translated
MGVARLVLLSVVLCFVPSNGFSAAPASSGTSQLSIEDLVRDQLGYFPPNYVKVSAWKKK
SNESTPLAIQTYPLNGGAKRRQNKAKLPQDQSKEKSEQQPIVQSPFPTLFWLTCPDISRA
VANLERRGFVQIFEDELNSRSDLAIRLFRCHEEYARLRWKSLEEDRNVLTSSSSSSSPLT
PSLQMRNMMEHSGISGTNFTDISSWDKDYDSNFESDCGSIVEAYVGKRSVQKKECGES
SLSSTEAGLVKVPPIKCLHAHYAHYRSTVSEKSTTYVNPVGELIHRQLEKDFPDLDL
>comp6198_c0_seq1; 380 1 1856 LEN=1856; translated
GGSITRNIQEMPQAENTKVWNEDLVTALRCREEKCRQQFSQRQYLWRDGAAAIASVRKDI
YQYKNGRIVALPRTLNTNVEEECRRIIEGERTILPEGYLPTTLDEQNMSRGPVARKSVNP
YHKDPYLQRIKMRGGSYAILMALHFSEAKVMTQKQICNAAQKYCDEEMESNFYSGRSYGA
WSSKKTLVKHGLIKESRTTQMGRHGQVCNGVFEYSLTEDGKLFIDALLVKFPQSSEERST
FRANDSNATIHKKNDLYQTKKSTINIKLGKKFIDKENFGRNGIKVPNRLNANEKIEDHH
CLLLSDSDEDDHDDYDDHGMLNKSNGHRYDEQEIMSSKSQCHVIDLLYSSDEESVSELFE
YHQIKRNETFDSQVRGLQKSHENILNPIPSSSVIKKEVNLSSKLVIVIDDRERNKNRTPR
YMRIELSRHLSHASGSLCQIWP SNLPIGEVEEDQLNYGDF AFLIKSKSAFNSKAPVVIER
KRISDLAQRSSRAHHWQQLHRMRDCCDHAILLIEGNVKMTSNFSTYENIEGESWNPDHHT
IDDEHAFYRFLGRAILSSPIVKILQTPHEQASYSIGATGLVASLLSWDGNAPKKLPNTK
VRLNHLYNKLSRGIPWQX
>comp6203_c0_seq1; 230 649 1669 LEN=1669; minus strand; translated
MTNLMTREGLVFLALMAVFVCDHYAASFLLNQATRAYQPAPFDRSVVKTFTSTPFSASSG
RNNERDNKNNSRKP KSVTDRSQEEAISLIQDIIRAAVDAGPQAGPVRTLQAYKAFSETA
REFLPRFGQSPPVFSAPKATRTLFEKLGATYVKLGQVRL LHGVMCFRLTWKFARFLKALS
TCCCCFNPFSGSXVASSPTIFPKKEYVLEFQKLLDKTEPVEWRIIKRVIEKDLGPI SKTFDF
VDEKPLASASIAQVHAARLKTGEDVVIKVKQPGIDASLKADLSFV FVASRVLEFLQPDWE
RTSLSGVVGDIRSSMLEELDFTKKAKNTEEFRRYLAQNNLX
>comp6204_c0_seq1; 396 171 839 LEN=1222; translated
MIASLTA CLSLLVIQAYAFQEASNA AIFSSRSQLGSIYTHVSLHESSQPFDSQERNLQER
RSFLSKLALIPAVVLP SLATLPTS AQASGGATAGGAYLLSAKKRYYERVKESVTGLLKA E
DGLRNGDSKVAKEYFSSSEDGGSWKDLTAAGYLLSNAFRSSSTAPDSLPAVKKYKAFAKE
VEAFQKTLKKKGAAAASEAFPTVEAALDEWLSEIELPAAREL
>comp6207_c0_seq1; 261 1 827 LEN=1044; translated
XLNVNDNIDSIRQNI SHWIFTKMKFSKILLLSYILTF SVKVNCTGNLRSSLDDEEVTGD
LRSVVSNLVRRIEALEEASWNDQEKIFHMENHIITLENKIIQVEGALDAGLEKIQSLEQN
IRTVEQRNLQLSNGPLTNRPVVSLGNSKKD TDNDSSPCMPVFENNRCIFGNTDTIAFRF
ESPTFFND DVEFNENVGFDQDADCMPVYNSTSGQCLMNSNFVYQSGNHYYNPNP SKVFFRS
KEVWMPK KVVFRNTQTSFQGGKLEIKKDVNYTNA
>comp6207_c0_seq2; 313 315 1079 LEN=1296; translated
MKFSKILLLSYILTF SVKVNCTGNLRSSLDDEEVTGDLRSVVSNLVRRIEALEEASWN
DQEKIFHMENHIITLENKIIQVEGALDAGLEKIQSLEQNIRTVEQRNLQLSNGPLTNRPV
VSLGNSKKD TDNDSSPCMPVFENNRCIFGNTDTIAFRFESPTFFND DVEFNENVGFDQD
ADCMPVYNSTSGQCLMNSNFVYQSGNHYYNPNP SKVFFRSKEVWMPK KVVFRNTQTSFQ
GKLEIKKDVNYTNA
>comp6209_c1_seq1; 530 1 1433 LEN=1531; translated
XQPLLSLVD TAFVGLSAKVPAESAAQLASLGPATTFIDGATYLF AFLNVATTNLYSTALA
QKGGQSD EAEAVVCTASRVALRCGIGIMFFLFAFARPLLALYIGHGADPALIDSAVDYVK
IRAVSMPT SLLLGVVQAALLGAKDSVTPLIAILYSTVNVVVGDFLLVRVASMGLKGAAIA
TLAQLAATAALLGPARRRLVRDRSLGLWKKKPAEGSQGEEAVTSKAFLGFAAPVLTLLI
LGKLA AFGMTHSAAAVPGQPTPLASHQIILSLFFFVSPFMEVISQTAQT FVPSYLAPVN
EYVEAKEERTLADPLVKPWLDRAFDLG SYLLKLGFI SATIVASLASLIPAFFGMLTSDP
LVKNGVKPLAKYLWAGAFLTAPVAVSEGILLARRELGYLAGVYVLT TALLPSALLRVKSI
GGSVDQVWACFAVFQLCRAGFFAGRIWGSVLRKIAGLFGGKEAPAAAAEGSAPAAS
>comp6219_c0_seq1; 410 1 1465 LEN=1577; translated
XDHTTAE EETQCFLSVVEGDGEC DKRKSIP SARPVLMALSSRTDQRQNYQTCAAASIEKT
EKYSKSKTQTIDNIVPDIQENRNMGLVQVEERRHEPVKQNYDFENTIPVGESSEGDTSIS
ERKMNLSPQNMGLDENVGPD LGIVLDKDFDTALNNRDRKESSEI INYNSLDFEALMQDSI
THASSDQTATEESI QPDSISDDGCESNFDIELEKKLDLMILENPLWRKAMQD TYTKEDIS
ATQKVGESKTSTPTDLIEGSGGSKIFDESNVVNDKQKKEMKKEPYTAVQYLQSNQWSCV
RPDAGDLETPLASNVRKPDQDGVGVTKGFSKYPSRSQPTSLPTLH SKDDGNGNATNVDEE
YSGNNSANPLDLPRFPAISTDFTVDSIALTSTVQTNVESLGD ESLVTRNMINAGTDPLSR

DSED TGRVVDENSTFSTKAIQGF CADDIKKFFAKPSILFQCTGPVAIHSVSSPSHGIFGD
TGSETEKR

>comp6226_c0_seq1; 378 253 1329 LEN=1368; translated
MVQSA GTRNGVYGAWGNQKTNI LLLLVLMPNAVAFHTMHTPSSPVRGFANNPSLSHKASE
LNMM SWEDAMFNAQSTASSMASISLDDPSNLLSSVPIMYGAGLLTAFSPCVWGLLPLTIS
YI STAAGEREDKEIVLPTLSFAFGLASVFC SLGLIAASVGGAVYGNSTNIILPIFSNA
ICCLMAFQ LLELIDIPALPKTQTTTNSQSSNEQILIDGSGKILSSTKDSSSKTKGEQGS
LFRTFLLGGSSALVASPCATPVLTSILAFVASSNPLLGGFLLLFYTLGYSTPLLVTAAAT
GGKALVGLKELGGKDETSIYASIA PWVTPFTAGILLWYGTNGLLTAVLGDP SLAGLLS

>comp6226_c0_seq2; 307 253 1425 LEN=1464; translated
MVQSA GTRNGVYGAWGNQKTNI LLLLVLMPNAVAFHTMHTPSSPVRGFANNPSLSHKASE
LNMM SWEDAMFNAQSTASSMASISLDDPSNLLSSVPIMYGAGLLTAFSPCVWGLLPLTIS
YI STAAGEREDKEIVLPTLSFAFGLASVFC SLGLIAASVGGAVYGNSTNIILPIFSNA
ICCLMAFQ LLELIDIPALPKTQTTTNSQSSNEQILIDGSGKILSSTKDSSSKTKGEQGS
LFRTFLLGGSSALVASPCATPVLTSILAFVASSNPLLGGXPAAILYPWVRQCYTSMFFV
FKIKQRVITFYALFYHLIFLQIFD TLTVTAATGGKALVGLKELGGKDETSIYASIA PWVTP
FTAGILLWYGTNGLLTAVLGDP SLAGLLS

>comp6235_c0_seq1; 291 72 1022 LEN=1669; translated
MTR EEQT IAGGSGANGPPPEKCCISWTGGKDCNLALLECWDRP SLNVTDLV VFRPESRAD
FEAHPMELMKAQADSLGLALRVMVLSASQSYRDAYVDAIRRLRDDL GIRVIATGDM DLVE
IENSSDNYIKECCEMLPGGGIRAYLPLWKAEREDCLRTLLVDNGCKVVFSCVKSPWFDAS
WCGRTLDETA VREMEAIRRGEVDRVSFTEAERSGWGTKDPRRIPLDLGGENGEYHSMVLD
GPLYRYGIELRAAPGGDAGGIDSRPTASVPLRSVVS GPAKNGEDRWWTYTGTQRWSLVGF
EVGGVPENGSPEARER

>comp6242_c1_seq1; 230 1 806 LEN=897; translated
XRFSTYAVYWVRAAVLR CIAERDDVVRVPGHVSQAI VKINKAAKRLGWVLQESGGILVTE
HGK GSKSVVSGAACESPSWRAARA AKCLAE EAGLSEQHFEEAMRARRRRYSGGYVPVEQW
MESSGRSGAGGYHTDENEDQDRTRMESEANEDIRTVLSRHLRPKEMEALSWRYGLFGDE
QPAERANRQLLEMEDRLFGPSAVEAAPGAKPASAAPAKGGRWGEAMTFVEVGKMQVSAE
YTRRLCHGALDKLRRAAEEGTLEPAFLC

>comp6247_c1_seq1; 339 92 842 LEN=1118; translated
MSEETAAAATATPPAAADEDN EEEDELEKLOKEIERMEAEARITRETD DLEKKKEPGEAS
ASTPGANGGGGDTGGSEADKGE GGSREATSIYVGQVDYSTTPEELLGHFEACGTVERVTI
VCNKYTGKPKGYAYLEFQTEAAVENATKLDGSEFKGRNLKVM PKRVNVAGYHYQQGGDDG
GAGEEDVATPAGEATGAAAEDGAGADTA EATGEDGAAGGVATIPTRHCFIR TNRMESNR
IRRHL LGTR

>comp6247_c1_seq2; 284 92 511 LEN=1593; translated
MSEETAAAATATPPAAADEDN EEEDELEKLOKEIERMEAEARITRETD DLEKKKEPGEAS
ASTPGANGGGGDTGGSEADKGE GGSREATSIYVGQVDYSTTPEELLGHFEACGTVERVTI
VCNKYTGKPKGYAYLEFQV

>comp6259_c0_seq1; 200 1 1322 LEN=1322; translated
XFSNSSMIARRSYLSTPML EASNFEESTKRKYLKPI LVLA IYGAIFL FVEHRVNSSILSG
DQVSERLNATNKIPTTTTGKEPGYEDESIE LDPTDGS AKHSIAIKPKFCSRERIRKGEWK
AVRREKPLYALDEDAWENKCYQKKQTEKPAI IDSWEWIANENGGDDKADCSFAPFEVHRF
CQLNSNRTIAFLGDSISWQQFN SLNYLLGATDEYRTTATIKINGVMTGSINNNACSGNTK
LLWLRDNRAKVSRLHHI IGLYDPDVI VLNRG AHYVESSVLRMELNLTIGRALEWQRDCDK
RGERDCLLVWRTTAPGFPDCENTPGPIGIDRQAMAKDTVSDP SHPWYQTRLN GHKFWHW
DFAGQNAIVEDLFQSRIRQLRVSFLDFYEMAILR PDLHIGKGDCLHYCLPGPHDAVNAV
LLHEMEVXKINSEVTLSPLAAX

>comp6266_c0_seq1; 540 1 1877 LEN=2480; translated
XDDDDEEEVIEGEARLEIQHYGCSEKNLLKTSVYLEALLIGHEEMVTSVAWHPNPKALYD
EEMILVSSSMDRSIF IWSVTDDGVWTPISR VGSPCGILGGPVGASLLGYLNIQIEPHFGR
WIMGHAYGGALHFFSCERNTE DRNLNVE SSEQSHMSIEERAALVKWKAQPCITGHFDEV T
DLCWEAIKGEYLITVSN DATCRQWAPITKLLDAWIEISR PQVHG YTL SAVTSLSTPDHEY
QLVTGADEKELRAF DGTKSFLRMLRLI SEARGETNCGATRNDISRVD RAYMPSLGLSNKD
SAADGADEDTAGASTTSTLLPIEKDLGSTSLWPEVRKLYGHNSEIARLTSTLSARTCLST
QYSTSYFNQVLVASTTKARDVNTAAIRLWDINANRCLQNLQGGHRSTVTALSFS PDGTYL
ASSGKDRRLCVWKRRTDDNTSAQNELFFLASAVNSSHKRIVWSVHF CPHNPTTLASGSRD
GTIKLWKITEGAGQGDQNTTVVEYSKFVPSVDVDTGHASKDKPEAVTSLAFSPCKFNNQN
NGVIAIGLENGFIQLWSVPIIPSLDGNVVERPSTLALF DAHFCHIGAIWKLAWRPRRDE

IGPFVLASCSSDNGCRIFSVWLHNE

>comp6268_c0_seq1; 130 1 819 LEN=951; minus strand; translated
LFSLASKSWLPIPLQRNQYAVAHYRAKYPGEPFRETQNRVTLRETTIHAVECAKTRVGH
RTQDNSQNNRHSSSVASERSVAVYMASDTGXVNILQRFRRSTSRMQALILRMVRKNSIVS
FPLPIFEQTKSTIRLLTSPGIEAAREAYVSLNDSGSKDGDHEKDSLNVWTYLDLQSYDTD
YNIAASDGIGQIKTKNTIALAEDPPHLNFAKPDHLSTFYISIFVDLFLMSYSNCVVYVYAGG
FGRLGSLVSYRPRCGMAFTENQGVLLQCDPYD

>comp6272_c0_seq1; 409 79 1550 LEN=1748; translated
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KINVKKGSGSSRRPSKNPDDLVAATTEIVENGTEHFTEVKVEVYQRELPLPSIKFEIDHSS
TSGSPTMGDYNELSDVAEEYLDLDFLTSVFEDVPVRHDGTKLFTVSDDEDQYTFVEFKLVLD
FLIPGEVPTIKYVFLVLLKDXAYQNTGIKSLTNSVSIKRVLPWFGLHYYQFRDSFLIDQ
LREGLETETSQFFISKLETMSETNPFSGTEKYNVVSRRPMSAAEIIAGEGRKPQVNTVEH
TGKHYILASVLAGMGCVVLVGAGLLWRNKHSAESSTPVSGQKFSLFDKSRKNDDSSGANS
TGLYGFDTETMSYLKSLRLRYSKDRDDKTPSLSPKSNIAAVEQTGSYDDGEEESLSDSVNS
GSGLERVDIM

>comp6272_c0_seq2; 448 79 1419 LEN=1617; translated
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KINVKKGSGSSRRPSKNPDDLVAATTEIVENGTEHFTEVKVEVYQRELPLPSIKFEIDHSS
TSGSPTMGDYNELSDVAEEYLDLDFLTSVFEDVPVRHDGTKLFTVSDDEDQYTFVEFKLVLD
FLIPGEVPTINFLIDQLREGLETETSQFFISKLETMSETNPFSGTEKYNVVSRRPMSAA
EIIAGEGRKPQVNTVEHTGKHYILASVLAGMGCVVLVGAGLLWRNKHSAESSTPVSGQKFS
LFDKSRKNDDSSGANSTGLYGFDTETMSYLKSLRLRYSKDRDDKTPSLSPKSNIAAVEQT
GSYDDGEEESLSDSVNSGSGLERVDIM

>comp6279_c0_seq1; 255 1 1162 LEN=1162; translated
XDAVDPSSGRRRSSGEPLIARVDLWHGPDSTPQNLAIYLEEEADEDDDDYDEDWGASGSA
AQGHSPRERSSSNGNGNAHTSSVDTPFSTIIETPQGHNTIAIRNIAETSDDLACVEGEER
DYDYGHQESWFTPSAPPASDSGHSPLQSVIQRLKATTPQRIDSTIANPKHTQGEQYQDY
DDYDEDEANQPVVGSCAVELPSNIAASVQVLLQTQFMQPLQARIELELREGDSENTPTGG
YRVVKRTIVEVFSDEGMHRPFFAVLEAPRKAGWFGSESGAAPPSTRYTTSMRVVNLSTTEF
PLFATVEPHAVDDHEPRRRPAPSGDQRGEEAGDGPASQPEWTHFGGXEQLRRRVQLHDP
GRGDLVGRRSKKSGLAGWLALSSKTGGDX

>comp6282_c0_seq1; 503 131 1380 LEN=1380; translated
MVGARATMMRSSMTTRRLVTLFILSSILVSLRHAGMFYTRQLGNVDDGYYSYSDYSNGEERP
QISVITLDGLETPPDWNNTTAKSTSGSGNRHTATIDSRSEKNHISGNTTIDDKDFEKRAI
VLISMGQKAENMSMVERFVWSARNIGKYKGIWILITDASYDRYADLKAAPVISEERGQEM
DGLQNNPTTSLPSLAMKGEEDNLDADMMVTTKEDSDQNAMENKFLVFRPKKRFKAITKH
GRFTQSKSMNSKIFKTYILQYAKKEPLLDSELVFFYLDVDIVFGNNISPLFKGLEGIYDF
GLHTTSSEYNQSTNAQIHFFEGNGSQEIQGGQIVLNRYSQPCLERWRELMOATRREYR
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>comp6284_c0_seq1; 587 1 2652 LEN=2769; translated
HSSANESVEESGTEVTHSGNAELHMHAPHAVLYPPLILTLGVIVYYCLSRYLHWLPHYAL
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YLFAMGIGQLLIFAFPLVLGALTACVAYYIFPFGWSFFLCLTFGSILSATDPVAVAAAL
LEEVGAPPRLSTHIIAGESLLNDGAAIVFFYIFSRIFYTEFRVVPVGD SIGWSEGKIFAQM
AFGGTAIGMVAGGTIFVLSKLSRRFGKEENIVQVTAVVGLVYLYFIADLICHTSGVIA
TVAAGLSVKFFGRSSINDIHLMDDFMGVLEHILNTVLFSLGGLVWGEVLIETHMEGYWGA
KEWGYLILLYVLLHIIRFVLFAAAAYPITVRIGLRTNWQETAQIYGGLRGAVGIALSIAL
DNQVLEYGNAQDLSEERRSVKQLYAMVGGIAFLTLILINGSTAGPLLLKGLADSTEERK
IIEAYKVRLRSEQIDNCVKLLTFKMFKSVDFQFIQDHMPYLRLDTIEQLAEAVESLKDST
PSSKYSPPHLENVLSVLKRQDRDANVEAHTILTEDSARFLRMQRIESRKKGRKGVCRSSM
HHMMTGDP LSAKELRLLFISMLQAQYEKLIDEGFLTSQHGLTIAFEQSLEMAESDVNKG
ALNDLTHLTFYTIALNCTRVAFAKATAWLRDKISSFNDFELHHFILLELAFVTAHERAQ
DFFQQLGSDAQLSEAGKIVIRESKRQVSKVEEDLNSPELTKFVIEVATYKVCVLLSQ
SIHGVERLVRYGLLKESEAEHMIEMIRVQKEVRRGKCNMNAHASKRHVSILDVNRRETR
NSFLGGTGKKKPPATVAENARMASVSADLDGLMESNSIHLEEA

>comp6288_c0_seq2; 190 400 1032 LEN=1577; translated
MIQTSRFLGRLGFTSLILLESSGAFQPRKQNAQASTPSKSSSDEKKTVMSEMNILFE

RHDRVANDLIDKAQEFASHFGKYSYGEVENMRDNLHKKHRVQNMAIGNDEYSSDMLFLERV
LEDDLNFQLAALEADMPEPYLFRYPDKDPVATASVEAVADPIIFHESLEEDKVANYEKS
LYGELVQEGVIESIAICAILGLMVTPAHVW
>comp6290_c0_seq1; 588 299 2028 LEN=2028; minus strand; translated
MAPSPMKTPGKASGPKKVYLFNCPYKEKASAKKAGAKWDASAGCWYVLSSQNLEAFNKWH
PNENKYLVCYDEKDDAKRAGAKWDATCKQWYIAANQDESRFARWLPSSAGNRATKATKL
IKGKKSEIKTTKTPTKLSTKSQLATIPRINGDMTVAQLQTECKARDPSIKGITTKRKDFW
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MTVAQLQIECRARDSGIIIGISNKNKNWLEHLVDVGSKWVSQGWKEKDLQNLISANKKKAS
SQTQQSSSKHKDSVDCRDI EGMARQTSSKNNSKKRLGDFPVNNITIPQQVGKKAKKDST
SAKKPSVKLVAEVHKNYQQNDFVKKKEAIARNVEIAKQKSLHVHKFPRVHRCAMAKSN
RLMMNGNARDGECDCYQKREHFFVGRSSTAIYTCEKCFDICQKCFDEENRSESEKE
KIRKKRQREEREETRIQEREEQRAQRWDSNLRFKNTITKVKGKHLDAESGLKFTVWCSD
GYDYDGRHSYEGEPTKEFDSVWKTKEEANSRAEYSS
>comp6290_c0_seq2; 584 299 1602 LEN=1742; minus strand; translated
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PNENKYLVCYDEKDDAKRAGAKWDATCKQWYIAANQDESRFARWLPSSAGNRATKATKL
IKGKKSEIKTTKTPTKLSTKSQLATIPRINGDMTVAQLQTECKARDPSIKGITTKRKDFW
LEHLKVGTPWISAEVPLYDYEPEPSPXKAKQKLTTSALKASKSNSDTKKNNSAVARISAD
MTVAQLQIECRARDSGIIIGISNKNKNWLEHLVDVGSKWVSQGWKEKDLQNLISANKKKAS
SQTQQSSSKHKDSVDCRDI EGMARQTSSKNNSKKRLGDFPVNNITIPQQVGKKAKKDST
SAKKPSVKLVAEVDPDASLQKRPAKKEQNKNYQQNDFVNAQERSYSKRRDCKAEIVAC
TQISQGPSLCHGQV
>comp6290_c0_seq3; 632 299 2073 LEN=2073; minus strand; translated
MAPSPMKTPGKASGPKKVYLFNCPYKEKASAKKAGAKWDASAGCWYVLSSQNLEAFNKWH
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IKGKKSEIKTTKTPTKLSTKSQLATIPRINGDMTVAQLQTECKARDPSIKGITTKRKDFW
LEHLKVGTPWISAEVPLYDYEPEPSPXKAKQKLTTSALKASKSNSDTKKNNSAVARISAD
MTVAQLQIECRARDSGIIIGISNKNKNWLEHLVDVGSKWVSQGWKEKDLQNLISANKKKAS
SQTQQSSSKHKDSVDCRDI EGMARQTSSKNNSKKRLGDFPVNNITIPQQVGKKAKKDST
SAKKPSVKLVAEVDPDASLQKRPAKKEQNKNYQQNDFVKKKEAIARNVEIAKQKSLHV
HKFPRVHRCAMAKSNRLMMNGNARDGECDCYQKREHFFVGRSSTAIYTCEKCFDIC
QKCFDEENRSESEKEKIRKKRQREEREETRIQEREEQRAQRWDSNLRFKNTITKVKGKHL
DAESGLKFTVWCSDGYDYDGRHSYEGEPTKEFDSVWKTKEEANSRAEYSS
>comp6290_c0_seq4; 540 299 1557 LEN=1697; minus strand; translated
MAPSPMKTPGKASGPKKVYLFNCPYKEKASAKKAGAKWDASAGCWYVLSSQNLEAFNKWH
PNENKYLVCYDEKDDAKRAGAKWDATCKQWYIAANQDESRFARWLPSSAGNRATKATKL
IKGKKSEIKTTKTPTKLSTKSQLATIPRINGDMTVAQLQTECKARDPSIKGITTKRKDFW
LEHLKVGTPWISAEVPLYDYEPEPSPXKAKQKLTTSALKASKSNSDTKKNNSAVARISAD
MTVAQLQIECRARDSGIIIGISNKNKNWLEHLVDVGSKWVSQGWKEKDLQNLISANKKKAS
SQTQQSSSKHKDSVDCRDI EGMARQTSSKNNSKKRLGDFPVNNITIPQQVGKKAKKDST
SAKKPSVKLVAEVHKNYQQNDFVNAQERSYSKRRDCKAEIVACTQISQGPSLCHGQV
>comp6301_c0_seq2; 39 1 498 LEN=555; translated
XTIVVGKNSDRDRREHTARQNGLESTHTRTAPGCSATSPARGEPKNYVRYGATNGQNLFL
KVRRNLGRPIGQRGTEMPRLVPGPIPGDPKPGAASPGTTAGKQHDVAPVTPHMANXTQQY
AQNASNERAAGGMRCNDNGKEANEPMGSIGACMHAVHNKSPQSTKMN
>comp6308_c0_seq1; 636 90 1780 LEN=1780; minus strand; translated
MSFSAPRRPLDLAFVVVQSPQVPHPMGDNNNSNNYADSDSDETFDDMPPLTDMDTSTS
IHANIDADNDANTGGTGTNVVAMTGI PSESDIYEETNLRTEYIVSEVDEDEDEDEYED
YFDEDEDDADTAAEVMMAHYLQVLEDIPEYDTGDVFEDEDEYEEESHAYDDFDEDLEGS
CNCPCQVLRHIVGRHSSCYEATDSCSDEGDEHDNDVPLDPLASPCAICMEPETAARRFAC
LPCCSSGSRMATRQDSHGHLPGTLPPTTTDTSSSTRFCYKCLVTCLVKNCGVHRTL
DHDHGSSDKTNGNTDAQLAGECPRCKLLVLEELPLEDNKDASKPKWQHPLPGGLPKQCL
AKPPLARKASEEIAHYKRTVAAIPSTEAMFWYVASRNHLRIYLVVLATCPNRYIPEELL
LTIDPSSSTERIRLLCQWGLIAKRQNSPACASTKSRSLRKRKLSIMQQLWQRGPLGTAAA
AAEMPDRSDAFWNKHYQAILGSVRTWIRSRACCSLAEASRNLPNRSQTVYQIDPTVQHTL
HRLSAMYQLGDLDDPAIDRVGEX
>comp6312_c2_seq1; 201 1 1144 LEN=1144; translated
XPGGTPDAGARRLPDRVVRSLRYERVLGAGSYKRVYLVSATSRPPEGGDIAGATAPRTF
RYAMAVERLRNKRDVKNFRGVRIPDLIREGPEGGTPVDAGDRELFETIVDWWVQASDVP

EFAGGRPVFPQAQRGDGPLPGLDRAIGRTRSAPRKNFVGSRWMLSFKPVYETDLKRFVRN
SPALYPVGGSSSETLRGSPVRDEYWSEPVLMGFVLEVLRAKLMHDAGVVHRDIKPKNIMV
SLSPSASDGLRRRPVI IDYGFSEIGSPTVLDEGGKGGPPGRTAEKASDVCVVRPGQLKGE
IGYVLVEDLANYRGCQRGDTYAMGKTLYEFIFGSAGLQEARTEQEDRDQEEISVEAARVQ
ANEFHSLLFGNPTAGNESRFRL

>comp6320_c0_seq3; 165 1 709 LEN=1157; translated
XLLSSNSNIPCNSDKRKMISMNRKIRKRNFRRLHPISMTQFIRSSYVVVCILYPCFCLAI
IGPNWGHQRQI ISSVLTSSASTVKKNASSKVETLSEPKEEERLQSFRTANELLTFVSR
KPPRYVQHVLVYWTATDAILSVILNKYCSFSMSSPLIAPQAEQSVVREVYSKLFYFARM
RPRLLYSIGALLRALSCTPLRHLFDPTVGVGAGIHFFASLASSRWGEYCLLLRSS

>comp6320_c0_seq4; 197 1 853 LEN=1047; translated
XLLSSNSNIPCNSDKRKMISMNRKIRKRNFRRLHPISMTQFIRSSYVVVCILYPCFCLAI
IGPNWGHQRQI ISSVLTSSASTVKKNASSKVETLSEPKEEERLQSFRTANELLTFVSR
KPPRYVQHVLVYWTATDAILSVILNKYCSFSMSSPLIAPQAEQSVVREVYSKLFYFARM
RPRLLYSIGALLRALSCTPLRHLFDPTVGVGAGIHFFASLASSRWVKPLILGWATTKSF
WTWLGARPVDRAYVPITLSIHEWEEKRKRKRAKIENTKSKKDDAS

>comp6341_c0_seq1; 1092 413 2421 LEN=2612; translated
MYGDNTTSNPKDSFSENNRKLSIPAIPRPRPTLGAMASASSLSSSSFRFGNTEADSTNS
SRNYSDDSDIPWGDRKPAKVFPFSDYGN DYQHFMEDIDDDDDDDYXNGPEDYDDPDMD
LVEYPSKEKFESSIATGSDEEFELNTPTKDGVLLPRNSPSQRI IKRLASSSSVVAKPSPS
PDKKGEATLKT DSHST DDEENGRCDREDDDGHDHDDSSALLAANGPRTTKTTVFG
DGTAINRELLWAASIFFLVVGISVLTAAVLVIKQSSSILDANSEGRIPSTPSASPPFG
EPPTPPPVVVAPRLSVQNEWKLVYAAIRDNPLTQSLLVSGDGEEVLPADPTFYEGLVEGM
VFSEHRDWIPAVMPLSDDNDDLVLNLYGMTTDDQQQIAGNNGNSINTNNHSGGQHIGMP
PSAAKKNMTPNQKATAWLLYHDRKDPNESVWRWALASIYFKMGGHGWTIFRRDQEADR
SSPKWFTDAPLCDWERLEGCSGYFKGNGNRNPQAQTHLHHAHHREL PVDLDFDDSNLSG
SIATEFSLRLYNTGSDEDEDTVLRAITLTDNRLTGRIPGRVFEFLFPSLGKLYLDGNELT
GTIPYELGGLDALYVQNNALTGDWPEEFCADGENPAGSESENGLTVVDDFGMDCDAIECS
CCGILQCY

>comp6342_c0_seq1; 622 15 1819 LEN=1819; minus strand; translated
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SFLHHESLRHQERVGLLIKSSANAMAVIYGINIACAIIVLDPEKTPIDRCKMIFDDAN
ANVVIVDDEYHSAFQELASDVI GRKLC LISEVVSFNSSSDSSTAKVEALPEDIFGIFYTSG
TTGTPKGVVIKHSNVLNLVCWKEFFDVTHKDSILLFSSLSFIMSLRQYIPTLHAGATVV
IPETALDFESAIVAGKVNKLVC TPSALAAALDMERVANRIEAIQLAGEAPRKNLTDVWSTK
VSKVFIGLGPTELCAHAVCSQYDGETLCIGYPAANVKLYIVDPNTGLQCPVNVPGELWIA
GENVSFGYLNREEATKKSHTWLKNGSXLGLAKRLPCGRIQF IGRNDQQIKVNGFRMEA
GEIYNAMPKTVEKSHVMVQNNALTLFASPTSINVNELKSHLLKILPTYMVPTVIHTLDDF
PLNKNRKL DVQSLLLMVGTSQPEEEEAQEDADFGLSNRTE TTKLIWCQILNKDVKSIGK
DDNFFSLGGTSLSAVVVSRMINQELQMELSVHDVFIHQTIHSLAQLIREKEKNVEDSTSD
PH

>comp6345_c0_seq1; 708 241 2624 LEN=3072; translated
MTTSDQGEEEKTFPSIRELRNELRKELKNTSPOGAIKAKGILDLMFLRYGLDKNTENTTV
SRNERRRIQKTRPMVDAIDCTQVINAWSKSRRRDAPQALATLRRMYTTFQKDGNCPIRP
DNVAYNSVINAFKQDFNGACSVFALQTEDFKEGGNTKAKPDAYTFSTMINACSRSNRE
DLSETAEKLLTTMNDWHARGDLEIGPSTMAYNSVINCF SKSDALDAPERARRILETMVSR
FESIGSDSNDGHDIARPNAITYNSVLNAHARRGDVEGATEVFERMKKDFESGNGAKPQV
QTYNILIDGWSKSNNKDAPENAESLLQEIRMESEGKFERGEGPDCITYSAVINCF SKSN
AYDAPTRARTILETMI SEYENSSEKNSVRPDTVVYGLMNA YARQDTKGASEVFDMMKK
DYHSGNQDAEPNVPSYNILIDAWSKSNNEADPNQVELLLKEMI QMCSDGDIKKGPDAITY
GAVINCYSKSNLQDAPQRARDLLESMAIQCKGNDTKEDIRPNTITYAAVMDAYARQDAE
GATEIFEMLRKDKNCKPNVQTF TILIDAWSKSNSEADAPLEAALLLQEMMGSSSNKKQPK
TGTLQKDSLGRARDVLAEVFARYSYRMYRPTVVTYNAIMNAFAKRGDVQGATAIFNAM
DSDYSYSYNKESRTHEKTGPDVRTYNILLDAWARSSDNASAESERILKEMNHRCDKGEA
HMKPDSITYRTVIRCLELFEKTEKRIEELKSIPSSAAXMTRRQGSRKQLGNRNYGMNSN
GLRWA FERQLHQCG

>comp6346_c0_seq1; 93 1 221 LEN=221; minus strand; translated
XFMESLTDELYNKAKCIMDDVESKGGMTAFVNDGHAKLLMEESA AKKQGRIDSGVDVVV
GVNKYRLSDEEEQE

>comp6353_c0_seq1; 438 1 1384 LEN=1458; translated

KKNPNDDIGWEPLDRSTSFNRLHPQKNRRNANNRYSYAYAAQKIISSAHRMTMSPAISGL
VLGLLATYQQVPSAAAFMAPNTNQAMAAAFLKEPSVAASPTSTLRMVGEEFDLSGASGD
ETNEVRVEPDTHDELMYALGVNLARQLGDIRPLVESGEEAQAQVAKGLLDTVVGRLNDDGQ
RLLLSKRGRELDQLIAGRANALREKLELRGREMLQNMADTEEVIALDSGVCVHVLEHGPE
GPGQGARATAGSVVVIHYHGTLSDGTVFDSTLGGEVVKFPLAQVPIGWREGVLAHMKGET
AMLGIPPEEAYGAEGTPDGRIPGGSTLFFKIQLVLDILSGAVGGAPTFLGADGQPVSSNDD
SGGSLIGVDGQALEPRRPTTAEPALPAPGRVRRRRSGAPASVPRFPGEATTRKKPCPL
GIKKPRNTVELFEPILDCSCSQNLAMGLVSLASNNKKQK
>comp6353_c0_seq2; 196 388 1123 LEN=1197; translated
MADTEEVIALDSGVCVHVLEHGPEGPGQGARATAGSVVVIHYHGTLSDGTVFDSTLGGEV
VKFPLAQVPIGWREGVLAHMKGETAMLGIPPEEAYGAEGTPDGRIPGGSTLFFKIQLVDI
LSGAVGGAPTFLGADGQPVSSNDDSGGSLIGVDGQALEPRRPTTAEPALPAPGRVRRRR
RSGAPASVPRFPGEATTRKKPCPLGIKKPRNTVELFEPILDCSCSQNLAMGLVSLASNNK
KQK
>comp6360_c0_seq1; 341 44 1195 LEN=1311; translated
MFGSNQSGKQKRLTSYFGGTKDDKAKNRQSSGKKRPRPVSGTSFRSHNGGSGFGVCPLC
QLSFAWHILENHASECTGIAINHKNKSAKRSTATAVESKSPEEKSTPKQPTKSEERDEIIP
LENVIEQNSSFTKTPNAKRKRQSCIVTPRLAPIFQAKAGERGNNQALHSHKQHQQLRPHSY
EPIPLGLFVYEDFITEEEELILKACVNVDRDVLPAWKQCRFNGKHIGKRWGVHCNLRDRR
VDSPENLPLEVLSEIVFPKLRQLNLPATKNFWPNEANAIDYRRRQGHWLKAHVDDRKLSK
EAIANLSLLGDCYMTFCNVSKHRNLAVSEQRVLLKRRCLQVLTGKARYDFSHGIANCDLL
TDRRVSITMRESPLTRTSPTIDN
>comp6392_c0_seq1; 134 1 855 LEN=855; minus strand; translated
XEIERVKLGSKNSMKGRFFPTYEYRLFIRHRPADPMSDLFDSQGLIDGIERRDVLMMAK
NRGRKHTESSMQASKKGSNNYYLSLPLQDDLDLHHRVSVNRLEETKKPSPNGAGLRTCSSD
LSGQLGRLQSNFVGTQIFTSHLMMRKKPDSLLSKSMHSPTMSDDEALSDSGRQGES
RRRSCFGRLSLRGKSNNDGRWTFSEPPQPHSSPLALLRPRSGDATPGRNRKVSAAESFE
SKQYIAETQPLFYEQEDGAIITYTANLLGSRPRIMDVCIPRVNHDGX
>comp6398_c0_seq1; 326 138 1142 LEN=1142; translated
MRSVSLFVALAFVALGTTVGFTQYRRVEFDGARKTASAALNRRLVACAMSSLDYYSIRN
TTLEDEREALKSRMPPPVNEDMTKFQVEFRELLEGILYTPPEELSTVLNPRMRAILEGITA
SYEFVYHAFEILYEDYIPLRLAGRVVYRELKRVVDESKNYKESQINAAMEGTGMPRSE
VEACWSTFAEIVSDRRLPLEDLESYVGTMTLKYVLDGSGESIGNRAREEGGVSFEEELLVC
LNNYRIRYSGNDGEETNATAFMGKPATGNLLQALNPSGDAQAARKGHELSPKRQKYNQ
KYDDMLVQFSKWKPLIPSGEGRRQLILKGCFFVGE
>comp6399_c0_seq1; 282 103 795 LEN=968; translated
MMKQTLSSLLVTLFAAPSLSFVPQSQRGYIGQNAGRMNRILPSQRAAGSSDDDISTATT
ESTTDSNDENTGADAGKRSSVFSVQEEAREVLEKVGWAGVAPDMSDPEQPMTSDDPFV
QNIDAGIREDFGVGLDLDLNPAAKVVNLERELYQLREELEGTDESTIQSITKSIEKKEGK
LAIERRSVFRGWLKNIFVQAVISFGISYVMATNPSSLFGGFDWYYYNSM
>comp6399_c0_seq2; 381 103 1128 LEN=1575; translated
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QNIDAGIREDFGVGLDLDLNPAAKVVNLERELYQLREELEGTDESTIQSITKSIEKKEGK
LAIERRSVFRGWLKNIFVQAVISFGISYVMATNPSSLFGGFDWYYYNSMDSIQVLGYW
FWWLFIVPSLRRRRPRGFKEALDIAFLGTPLVSLAAPVLTKDTGLIWFANFVIVAGAYG
FAYLTDGDDSDSDSNKPAWLKFVYKSLDFGSGRERGARQ
>comp6401_c0_seq1; 654 70 1278 LEN=1494; translated
MKFLLNFLTFLGLATAALPIYGNPKNKAPVKKFDSLNDVKADSALGMSLLSKARKLEDENE
IDFTWVSNFSIKFQGCHHISQWNDEADGEEDVRIETKRLIRFRLCPAYECSPDKAGGCD
NYGDYVIDMNTFLESYYEALENYNQYKCEYTANMLCDECDGDDKGGDDFDAEICEYDCYVE
HGIADTCADRNPYNDEQEQQEEFNLAEYVECKQAEFQNEERRRLDEEEIEYFIGPYCAE
QGGAI FMGLFTDDTCTSFADYGGQETYSSMAGKSLPYGSESLISMDCVSCKEPEDFNND
GNDQDEDQVIEMCEQIYQAGKCEQGLESTGYVSSANNNACNYIQGIKVVVKDGIITQV
GSKANKTASIFIGVVFVAFVLLAAYVYYLKTCLDRASINLSD
>comp6401_c0_seq2; 654 199 1407 LEN=1623; translated
MKFLLNFLTFLGLATAALPIYGNPKNKAPVKKFDSLNDVKADSALGMSLLSKARKLEDENE
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NYGDYVIDMNTFLESYYEALENYNQYKCEYTANMLCDECDGDDKGGDDFDAEICEYDCYVE
HGIADTCADRNPYNDEQEQQEEFNLAEYVECKQAEFQNEERRRLDEEEIEYFIGPYCAE

QGGAI FMGLFTDDTCTSFADDYGGQETYSSMAGKSLPYGSESLI SMDCVSCKEPEDFNND
GND AQDEDQVIEMCEQIYQGAGKCEQGLESTGYVSSANNACNYIQGIKVVRKDGII TQV
GSKANKTASIFIGVVFVAFVLLAAYVYYLKTCLDRASINLSD
>comp6403_c0_seq1; 48 1 94 LEN=472; translated
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>comp6405_c0_seq1; 651 92 1729 LEN=1802; translated
MTGLNKKSNMGDMSDDDIDFDEDEDEYDAEKVEKKAIDQQEKLKLKLLQLNLEVYCNDSEYDD
LRDLGKAVKSGAKLAGTILSGGYTNYSYKIHLDSDGSDNDEGNYGKKEIAVFAKIAFPYA
LWNPDTSPYDLDRVTAEFDLMKRFSEELKTTSAIDGSEKSPIPRPYVLIDVPAAVDGT
PRMKIFVAEWVAPTDEQWGNQYIEGEIDL RVVDQCAKTLAVINLADCCDDINQGYVETFA
KIAKFGDGPVLA VL DREDEDKAVRYVRDVVGKEKMI AIMKEWHIRNRKKEALVHGDAHV
NMLVERKPNPFQLSSSFGANGDFILCDWEMAHKGHKGRDISNFFSFPTMSACFMAARGQK
DKADNIIASLKQFWTTYKTALAEGLDTKQAGSANGDDVLDVDRYMEEVFNSAISFFGYFS
FVAFYIVGVMTEYNETEGLTEKEEKHVMGVLGWIGIRSMEVGFLEPAAEEAFGDHDNQR
SRMESFFFGMIEQEINELFEARKTSHRRSRRSSMLRESSRRVSDSESGFGRMVRRMSQQ
VTDEN
>comp6405_c0_seq2; 265 141 875 LEN=948; translated
MLVERKPNPFQLSSSFGANGDFILCDWEMAHKGHKGRDISNFFSFPTMSACFMAARGQK
KADNIIASLKQFWTTYKTALAEGLDTKQAGSANGDDVLDVDRYMEEVFNSAISFFGYFS
VAFYIVGVMTEYNETEGLTEKEEKHVMGVLGWIGIRSMEVGFLEPAAEEAFGDHDNQR
RMESFFFGMIEQEINELFEARKTSHRRSRRSSMLRESSRRVSDSESGFGRMVRRMSQQ
T DEN
>comp6413_c0_seq1; 191 1 561 LEN=657; translated
LLWICLWYPLFTPPNSNRCLLQEWEEKLTEAKEQAETFKRKYNNVKEGKDL SLMEDARSM
MSQKFSQSVDTNEGESSTLRSSSFRSTTSRPEFKRATESVASMGSNLAAHAKTLVGSFAC
AGNNERTGQVLSSE RATEEWRDRRNANGVDHSRHP S APYQQGGHPGLEMSHSTSSRSYRD
TRRV DV
>comp6413_c0_seq2; 696 1 1852 LEN=1948; translated
XNNNSNNYNQ SASTPSSAARSYRSNSVGRISTGSGKSGPSYRQSL SIRERAMASVEKESN
SNLNTSYRSTGSNSISPTKMQQQQPQSKSQQQYSSPSPQQSEGNRSRRKSPAHSVRSRA
RSLSRGRSSTGEDKPAPAVQPPPQEEGQAAQGEAVVSPPELLVDALSGHEDGLLAIAERL
MEHYDSGYDAMGEAIDAFADVQKLFQHVVEAAHMEGA AFESSRREEEIRELKRRVASGD
VDHGMADDNDGANDLASPSSSGPVRHDEFIDQDVKDCLEAIRNGVTFKEEQKHAQCFEL
YERACQAASALLPVDS DHRGRLQLS IARAESMTPDRGCAILRYAMDDVLRSGLRAGKIPK
NYPLSDPSKRADVLSKPSMGN TQSS EQLNSLVEEMKDVINAPVYENTPLQDVARRFW
EALQENQKIRSKNEDRLEHNLGKLG DYLLARAEWEEKLTEAKEQAETFKRKYNNVKEGK
DL SLMEDARSMMSQKFSQSVDTNEGESSTLRSSSFRSTTSRPEFKRATESVASMGSNLAA
HAKTLVGSFACAGNNERTGQVLSSE RATEEWRDRRNANGVDHSRHP S APYQQGGHPGLEM
SHSTSSRSYRDTRRV DV
>comp6421_c0_seq1; 510 1 2390 LEN=2390; minus strand; translated
VEW IETIRNASLKASNSTDVHVCSQFSL LHNRP PKTRNLRDQRKEH LLET LKKG YFGAAD
EILLVSGSGTKPLSSSPCSETPWNTADGIDAVNDYYENRGDNDVCQTTFPHISVSYNPYL
SDPHLQDQENSRLERQLATGCLSKIYLPFGTDLDR LRTGLEFCADAIHTAKRKHQRAGDV
SLVGSFVLP TPRWMAHQKFFRSSQKRVMLDPRFFKSDENQELTAIVVQVIRMYEKHGF
ELLLEASPSANTLSCTKDDL SFLFDILKRVSASRDDGLGNRCNDSERSSSMGMNFRNN
SNGVDFSSNSKGTKTGAESSQSPEILKKS LPSLRQDWRSRSSPCILLFGSHDVRLQDN
KALEAAARSHKLLPVFLWTK EERDGDQWGCPRNTAVAVCLEEALKSLQDSLQSFGLPLI
YCNCCGPSRHDSREEQLHQQENSHGIRELKHVVEAVGATAVYWNKDPTPEGRDRDAYRR
RILEQHRLPRRIDVFEAQSSLLYDVSTIELPTGFRGGHFGT LMPFLNHCRKQFGVPSRPT
PYFETFRILEESSPPEAFDTIFDMHGSTMSTHLRDLKI IDTFKLSHKWDQPIRARFPMS
KIAQSTVDSFVRNGMKRYETDRSRADISDATSR LSPHLRIGTMSPNQLYWR IEDSEL PYK
DTKTLGRRLIWRDLAYFQLHCFPSMKK K CIRSHYEAMEWVETIEEDRRFRAWK TGT TGY
IVDAAMRELYATGWM TQSIRMVAA SFLTEYL RINWTKGA EWFHHTLV DADSAINAMWQN
AGRSGIDQWNFVLSPTT
>comp6428_c0_seq1; 452 533 1518 LEN=1518; minus strand; translated
MNSKYMKPVGERTSRGKTTAEAKGLEWTKNVPVTKEYEFVRRDDSHMAKNETGFLEIGK
ADPTYAYDVGGT WKLLYRKPDEKPIGP GIKPKNEQPMKIFVRSWNDEIFPLDNV K PQDSI
DEIRFRLEEEHCIPREQQLRLGSGQPLVKDRKSLEEYGIKDEDILDLEPMSITVRL LGG
QTVHLEVEPQDAIKDIKWL VGNKLDIPIDDCILLFKDKSLPETSTLDENDIHHGDVIDLQ
QMEIYVIDLDGQKLEYLVSPSDTIESIKNVLEEDTGLKREDQRLCFQDNLLKNDKMTLKD

AGIKHQDTLALQVTVRSTTGGTVDLL
>comp6429_c0_seq1; 105 434 988 LEN=1165; translated
MVLAPRQLAVAVLFLPGSLSLTNPRCQLQRRRHLASTASGPPRPLLALETAPSSHHGQAS
DNADADSKPDAIAEQEKKFKIVACSKKRQSLGLDPLSTFGALYSRAAATGVRVEEGPCIG
SCKRAPCAAVEHDEYFGSVALEGMTSEEFESDAFLNIVTEEDADRVWSCVENAVKIMAAA
EEDD
>comp6429_c0_seq2; 17 576 1037 LEN=1520; translated
MVLAPRQLAVAVLFLPGSLSLTNPRCQLQRRRHLASTASGPPRPLLALETAPSSHHGQAS
DNADADSKPDAIAEQEKKFKIVACSKKRQSLGLDPLSTFGALYSRAAATGVRVEEGPCIG
SCKRAPCAAVEHDEYFGSVALEGMTSEEFESDA
>comp6429_c0_seq3; 67 434 895 LEN=1378; translated
MVLAPRQLAVAVLFLPGSLSLTNPRCQLQRRRHLASTASGPPRPLLALETAPSSHHGQAS
DNADADSKPDAIAEQEKKFKIVACSKKRQSLGLDPLSTFGALYSRAAATGVRVEEGPCIG
SCKRAPCAAVEHDEYFGSVALEGMTSEEFESDA
>comp6429_c0_seq4; 105 576 1130 LEN=1307; translated
MVLAPRQLAVAVLFLPGSLSLTNPRCQLQRRRHLASTASGPPRPLLALETAPSSHHGQAS
DNADADSKPDAIAEQEKKFKIVACSKKRQSLGLDPLSTFGALYSRAAATGVRVEEGPCIG
SCKRAPCAAVEHDEYFGSVALEGMTSEEFESDAFLNIVTEEDADRVWSCVENAVKIMAAA
EEDD
>comp6430_c0_seq1; 290 235 1140 LEN=1615; translated
MIVVCKTTHKLGLLADRQILIKSKTKQNHAKLQKAVPILQESYSKTFNDRTEYQAGAPF
DTDGSKQAGVLGIVNELFGMYFRLNLRCKNLIRPVETKKLSEKGSMAEMVTTYTYVGR
LSMFEDDHARAETNLEYALAHCHRDATNNKKRILKYLVPVKLYRGKFPTRLLDKYGLEE
FKPLVEGMRKGLDRTFQDGLVKYQDRFIGQGTYLLEKCKTVVYRNLFKRVWKIMDSYQI
KLEQISKAFKWLGMPIIDLDEMECILANLIFKRYIKGYLSHAKRTLVLVLSKRDPFPTS
SAVIS
N
>comp6430_c0_seq2; 345 106 1338 LEN=1813; translated
MVKIREIKQTLLENALINKDPHRLAQVFEPLVGVASSAIATNGGRQSQKHNPQSFTVNGKN
CGGLLTSLLDAYAAAEVGDNEAAFEAQVKVHPKFNQLFSSSEGNWMPAMIVVCKTTHKL
GLLADRQILIKSKTKQNHAKLQKAVPILQESYSKTFNDRTEYQAGAPFDTDGSKQAGVL
GIVNELFGMYFRLNLRCKNLIRPVETKKLSEKGSMAEMVTTYTYVGRLSMFEDDHARA
ETNLEYALAHCHRDATNNKKRILKYLVPVKLYRGKFPTRLLDKYGLEEFKPLVEGMRK
GLDRTFQDGLVKYQDRFIGQGTYLLEKCKTVVYRNLFKRVWKIMDSYQIKLEQISKAFK
WLGMPIIDLDEMECILANLIFKRYIKGYLSHAKRTLVLVLSKRDPFPTS
SAVIS
>comp6431_c0_seq1; 1221 1 2264 LEN=2264; translated
XEISKRLFLDIESMGKQYQALHEAQKASQRGDGERDRNLDPLSSSVLSGLQELYIPPDV
DVTDTLDPETIFGQVDLQONVALAKLVKKSTKRLNAASTDGDDAIRLLDLSIVDSDGDDDD
SDSDSDSNSDDNSDDGENEASEANSDDDEDEDDEAERIRRRMERAMEDMEEEDGDSGDEST
EGPGTRKQAEPKKPEEELYDPAEDMNDGFFDLNEMEEFADEEEDFLPNEAFGQPSDDGP
AKKQNKKS FHRQREGIHMDDDSDNELDSDDDSDGGGLYEEVKRDVKKRYRQDQEDID
ALYELYQETNPEDDDEDDLDDVVNMTAADYFGAPRRNYMERYKKNHPPAKPSPRTNDGDD
DSWGEYDFENEDQEGWRDENNDGDDEDELEDMDKDPAPGEGESEEELEAPRRSNADTSRK
LSTEDKLRKQTDLELEKELINEKPWQMRGESKSGSRPVNSLLEGTPEFEMASKQAPIITV
EHTMNLEDVIKARILAEDWDDVVPRELDPVGNQKKGAEPEVSQEKSKLGLGELYEREYL
KKAVGYDKDAEEKQTEEDKAKDEMMLFANLCSKLDALSNYHFAPRPIADEAEARPVTV
AIAMEEVLPLHVS DARGVAPEEVYATKRGREGILRADSEMDRDDRKRQRQSKKAARRKKR
KEKEADDKLI SRLQPGLGLNNPYEKRKAREELALARSRGKVTEGEREMDGKYGSSGTFFK
RLQAEAQQTIQDRSSGQDDAPQKXNKPQIQCLQAVX
>comp6440_c0_seq1; 315 256 1044 LEN=1559; translated
MLEGFELWVPPTVPNYKDEMPYDILGTDAQIVQFPVRAGRQIMCFSGAMAYMSEGMKME
CKLAGLGKTFGRLAGGSLFQITYTNDSTEDGYIGMTPDYPGVIVPINMAKAGKVIALRD
SFLCATVGMGETMTDVGAGFNPASSALAMCCSGMDFIVQTVENGWAFMAMGTVIKKT
L NQGETLLVDGKSILCFESSVSDVVRPVGIIAAMCCGGEGIFNTELTGPGTVHLQSMSIDK
LRMLFPPNVQSNPDDGGDGE
>comp6440_c0_seq2; 283 256 942 LEN=1704; translated
MLEGFELWVPPTVPNYKDEMPYDILGTDAQIVQFPVRAGRQIMCFSGAMAYMSEGMKME
CKLAGLGKTFGRLAGGSLFQITYTNDSTEDGYIGMTPDYPGVIVPINMAKAGKVIALRD
SFLCATVGMGETMTDVGAGFNPASSALAMCCSGMDFIVQTVENGWAFMAMGTVIKKT
L NQGETLLVDGKSILCFESSVSDVVRPVGIIAAMCCGGEGIFNTELTGE
>comp6446_c0_seq1; 290 473 1524 LEN=1982; translated

MVASREXNILPEKRVARPDFAFVPSRQPNYSYQHSNRQGVVMEQRNPEDEQREAOQLQHVM
HRSVSMNNNPSVAVNPSYQFGPADNIDERDAEDPLCATEYVQDMYDHFRAKEGITSVRP
LYMENQTHINERMRSILVDWLVEVHLKFKLVPETLYLTINLIDRYLERQEVSRPRLQLVG
VTSLLIASKYEEIYPPELRLDLYVICDRAYTRKEI IEMEEQILKTLEYNITIPSAHAFLVR
FLKAAHADKRIVQLSCFILDGTLQSYNLLHYLPSQLAAA AVFIARRTVGRNSWSPTLLRY
AIYREEEIAPIARAVMAEKSSAAHELRAVNKKYTSSRYGAVANLALSCDF
>comp6446_c0_seq2; 347 175 1335 LEN=1793; translated
MFHRSSNIAQPSQSVTGNPRRGAFRDLTNANQQENNGGKSGKNILPEKRVARPDFAFVPV
SRQPNYSYQHSNRQGVVMEQRNPEDEQREAOQLQHVMHRSVSMNNNPSVAVNPSYQFGPA
DNIDERDAEDPLCATEYVQDMYDHFRAKEGITSVRPLYMENQTHINERMRSILVDWLVEV
HLKFKLVPETLYLTINLIDRYLERQEVSRPRLQLVGVTSLLIASKYEEIYPPELRLDLYI
CDRAYTRKEI IEMEEQILKTLEYNITIPSAHAFLVRFKAAHADKRIVQLSCFILDGTLQ
SYNLLHYLPSQLAAA AVFIARRTVGRNSWSPTLLRYAIYREEEIAPIARAVMAEKSSAAH
ELRAVNKKYTSSRYGAVANLALSCDF
>comp6459_c0_seq1; 245 1 938 LEN=938; minus strand; translated
XGSTYKSNKGNNGGFSSSNNDPMSIKGNVCLVEVARVEWNP IQPWQRSPQSKSSGTAFVI
EGEQLLTNAHVVKSAIDIRVRPHGSTRRFPAQVVCYAPDVDLALLELVGESEKADFFGHP
SAGEADGDEEEERIARRRRTTKSLEFATELPGLOETVHVVGFP TGGRTICVTEGVVSRID
LYNRIVAIQVDSAINPGNSGGPAFNSKGQVTGVAFRKRISTKSQKVDNIGYLIPAVLVRA
FLGRVDREKGTQYLSGTIPYRCHSLENHSLRLAHGVPDFVHGILITSVADAVTESTEDGT
SAEESPLQLQPGD
>comp6459_c0_seq2; 187 1 638 LEN=1195; minus strand; translated
XGSTYKSNKGNNGGFSSSNNDPMSIKGNVCLVEVARVEWNP IQPWQRSPQSKSSGTAFVI
EGEQLLTNAHVVKSAIDIRVRPHGSTRRFPAQVVCYAPDVDLALLELVGESEKADFFGHP
SAGEADGDEEEERIARRRRTTKSLEFATELPGLOETVHVVGFP TGGRTICVTEGVVSRID
LYNRIVAIQVDSAINPGNSGGPAFNSKGQVTG
>comp6466_c0_seq1; 224 464 838 LEN=1276; minus strand; translated
MVMTFHFHTLSAFHDLSSSIDLSSSTAVSVLNVNAMQHMIKQEEPPSQPKPALAIQKL
AANHNNLVHPVAGLDCTEHDGPQEMEDAQEMAYWRDIKADNSWTS PFLKKDTRQYLT FEP
DGGGW
>comp6475_c0_seq1; 137 1 286 LEN=286; minus strand; translated
XTVITDDLADRVLMMSIGVGVLTGLVGLLVGSVNPGLLEDFGVEDGGGVATVAFVVGFF
VGLGFC SILMSVVGSAVNTVIVCF AESP AEF EANH P
>comp6476_c0_seq1; 101 1 515 LEN=515; minus strand; translated
AALDRPAGDHLVAQITELMNNELMDRMTALKLVARQQKDKKDEELRFLKSELDRLRAE
RDQQNLEKLRPEKPPSSMQLVVDKIWNQKRDATEQSYRRQIQDLRDRVRGLEASNCKLREL
GRVTVEIKSDDDEETRKAKEMARAVSRGRLTRTRSAQRVRDR CERQLERSKX
>comp6481_c0_seq1; 486 102 1613 LEN=1800; translated
MNRYVLEE QIGQGT FGI VYRARKKETE IHEL YAVK K LQVFP SWKDVVVEREFKAIEMFM
RKREKERATNDESKENKECFDCCGCHNGSDHLVSVFEVLRERDSCLYIVMEYMKDGCLQD
YIAAKAKSKAES PQCIQKISQNGHTFRDSETR SILCQIFHGLRHIHSLGYVHRDIKPENI
LLHGRTAKLADFLARPF GM DRK LKKEAPRRSCNQASSAFHCFKAPVLD DDTGCTMTNYIG
TRWYRAPELLRTHSATHP I GNGDES KHDVAFYTEAIDTFAMGCVA AE LYRCRPLFEGRD
EPEQLRLIENLLLTDPPHYRTP TSFFGDDRAKCCDFLDDYGQDERNEG MVRNRLASKIET
TDQETVRF IHALLHLC PERRPTAWEALRHSYFKVECKNRKSCETQSVLTTALARASSLQR
TSESMVTPPLASDRCGIYEPRSTAYPR SIGNTGAKSSRKITPTPMIAPT TDCNNTGHKMR
LETDAVEQYIGIPKQSPWAFHESW
>comp6482_c0_seq1; 706 1 2299 LEN=2299; translated
XKAAPKLSCFAPDLERTHRAVTRARQEWKREQIQRSKPGDAVLGLPLLNVGMPKSGSST
LLRFVRHDLKWKATHNVVERAASERDGDQRLSPTRTLTP IPTSPPTPPRRSYVGKLMKQ
AIDVGHSPSFLLSQGYRAHTQMDYTVVSSSQEDDET NF FPQISLLDEIHASEPNATFV
LLFRPIDDWIRSVRSWHRLPFRWMEASKPYYGAATQIPGLVLTEDQRTTRTERPEEPLAA
TESQLRDWWCHVHRHIRRFVDEYPSHTLVELDLYDNHNRDKHEAGDSSSLSTTETLRELF
FPPGERNRTITWGMANANPAAAFSIGSRPGPIARKTKYEQWNHETQRLELERE LEAST
RTKGHQSSNSSATNSTLPKTSLEILETVLREEREESKEEGRDWDEECFLPRPFSVEKDVS
HGSMNSNSAALS NPTNNSDDEVTKGSKAAGTVLLPRVPYPI LNVGLPMDPWS DALRDF
FSCGLKVVRKALGSNGTRRIGSVGKKMREAVRDAHVGPI SGFFGTNRQVFSALDYTPS
LDSASAASSSSSSSSSAAIFPQIQLLDELHEEDPSFTFLLPVPPIDEWVKWAQTFHNFSE
RWARMEMPGLVLTDEQRSARHRPCPLVEKSTDGEEQQQNNNSNNGNHTATLKEDTGNHRD
TEEQPEETRRCLRLTDQQLRDWWCGHVRHVRSF AE AHGDSHALLELDLSPASRGPTSSAL

NKVFGANQTCIAKLFXETDARGGRILAVQEATHPQDPLDLWYTLQEA
>comp6491_c0_seq1; 52 1 215 LEN=215; minus strand; translated
XLHEPKTLDEVKSLLLRAGSAGQLVVIDFTATWCGPCQMIAPLFKEMSSTHDDVMFLKVD
VDENPDTAQQYSX
>comp6501_c0_seq1; 623 1 1775 LEN=1880; translated
XEELRARAVQLIAERSGSLYLKSETVLFVDMIPHLLQLLGETTGNFLQQSVFAAIDSIG
RNSCLSSDSVINDRNLEIFSSAVFKASSVISTASQEISEGLFLNIPPESRQLVSSAALCA
STAIKICGPRALPVLPKLIKPLLNQSAATAFAIKSSISGDDSIDKKELSQARLMQLAILR
TFTAIIDRMPMLLKPYLVDILKSFQVSEINIDQSHSIQTELIALQNMTTSRIPARLLI
PAASKSIITTPNLDLNLSTLSIMTDSITKSKSSQVSGMVSIIIKTATYVFDQETNQDGD
LVMQATDKLLSIVMKLSEIQLRSLYRKIRDWRGDFDATNPEQSSQRRSAFWRFSSALSD
QLKSIYLSCLSSVFSDAVDELEMAAYYLSKKDSVKKSDGKKRQRISSEESNGLEISSLN
ALKSLLLCLEVSLRSDAHEGGLWIREMESQRYDKLLTPLGKLLQCRLPCDASNCSFDAIV
LGGDNHSGSVVECLVALATAAGDEQLWKPLNHSVLQACSDENRPEVRKAGVSCLLALINS
IGEEYMVLIPECLPILSELLEDPEDEVAGIAQECISQSEELLGESLQDSL
>comp6501_c0_seq2; 553 1 1851 LEN=1956; translated
XEELRARAVQLIAERSGSLYLKSETVLFVDMIPHLLQLLGETTGNFLQQSVFAAIDSIG
RNSCLSSDSVINDRNLEIFSSAVFKASSVISTASQEISEGLFLNIPPESRQLVSSAALCA
STAIKICGPRALPVLPKLIKPLLNQSAATAFAIKSSISGDDSIDKKELSQARLMQLAILR
TFTAIIDRMPMLLKPYLVDILKSFQVSEINIDQSHSIQTELIALQNMTTSRIPARLLI
PAASKSIITTPNLDLNLSTLSIMTDSITKSKSSQVSGMVSIIIKTATYVFDQETNQDGD
LVMQATDKLLSIVMKLSEIQLRSLYRKIRDWRGDFDATNPEQSSQRRSAFWRFSSALSD
QLKSIYLSCLSSVFSDAVDELVSPCLFHHFSLISLHALTINFICELEMAAYYLSKKDSVK
KSDGKKRQRISSEESNGLEISSLNALKSLLLCLEVSLRSDAHEGGLWIREMESQRYDKL
LTPLGKLLQCRLPCDASNCSFDAIVLGGDNHSGSVVECLVALATAAGDEQLWKPLNHSVL
QACSDENRPEVRKAGVSCLLALINSIGEEYMVLIPECLPILSELLEDPEDEVAGIAQECI
SQSEELLGESLQDSL
>comp6509_c0_seq1; 701 244 2478 LEN=2577; translated
MMERNKGRSLHRGRMNATNALSASTLQSPDALCLHVAIIFLVGVSPIGQAQTQANT
PSTPNTPPPQSSNVASPVDSALPTQPPLSPPIPTNAVTPPIPMPPPIAPPPSPFPTSIPG
PTVLPNTNFTGTPSVLPFSFSSQPSSLPKSFSEPTISDSPTAQPSAAPTQGPSWLEPSFKE
NKFRQNIQVGNRVTDDDEQNI IETIYRLQTRFAPVPETELKIMTVCTVDRQKIYTPS
EESTEGEWLSYHSNVNESEALLRRRRRRRRVEDALDVENNDVTVVVDFTMQYESRYFNV
TQYPKEFQIWTNDHLDEILIQMQLKLNVTKVEKAQRIVVNTQAPSMPISSSPSIAPSLF
PTVSHQPSVPLPSLPTGENEDPGGVETTSLIAISASVIVAVGILLVGVFFWYRKRQIS
LQREESAKLDYQTNAMRLSELSDGRWTTTANAGSNLQFRNSDSKAYGSSFAKQPKTPTG
LSGAGVILSPNGSLRSNPSLVSEGLIGGDDSGDEADATQILADEFDQYQDQONLEKMRAD
VEGNLKGCDGMSQAVARALIDDVDYNPYSGAYWGGDGEDASAAEIEASALGSVLDWLKR
HGNASGREKREFFQETLNKMTASVR YGFGVPEDGARTIHECAGLLGLQLAVEIPVTTIVI
SGMRKSTTEEDIRDTLGVFGDIAVA AVAPKQKGYGILRFTSDSAAERVMNRFRTTEEIVLD
DVAVQLIVIKPGSSLEAKEPNGVI
>comp6509_c0_seq2; 255 176 553 LEN=652; translated
MTASVRYGFGVPEDGARTIHECAGLLGLQLAVEIPVTTIVISGMRKSTTEEDIRDTLGVF
GDIAVA AVAPKQKGYGILRFTSDSAAERVMNRFRTTEEIVLDDVAVQLIVIKPGSSLEAKE
PNGVI
>comp6521_c0_seq2; 356 1 1000 LEN=1565; translated
XPIQSKPNQPKQQRANERNPPSSMFSSLSTAGGLRLASRRILDASRSVAPRSRATPQL
HLPQRQAVSTA AFRAGVARARTAGHRYLSKDTAKTAAEPAKVGWWSPEFWGFAGSIAAW
GMSGAAIYDSALQGPEVIVSLTMTPLVMVYSGLFARWAWVKPRNLSL MYCHVANVLAQTN
QLRRALEYKMENGEQVKEMAQQVGM LGGVAGAAV LGGPAARSALSGANLGIVSTIAAA
DAGPFTVHFWAPMSKVVISGASMLELDRPTDKISLPQYAALTATGFFFTRYALLVTPVNY
TLCAVNIALFLSSFWHFGRKVKADFVDAKPD AQ
>comp6541_c0_seq1; 106 1 496 LEN=943; translated
XGDVGNSHCDGNEFVSYYLYVTYSIGCILMKKVLNLSLHDDVIPLNFFGRHRLRMGTPV
MAGCFFGTFMVMLPSYYFCYRRREHQEQVIEMMMKYNQFGHATDLPEEPPL EHPFWE
QNNEGDT SNAETKHDREFRGLIKERKEWQKQDPSFDEIFQERK
>comp6541_c0_seq2; 178 147 734 LEN=1181; translated
MSGSGTSQTVETSVDGILTSVGGAAPNPNTNRSDPLETAKWTRFLPEAFGIRESVRKSSY
RWCVREGGMWGIATATAMSLHRLRMGTPVMAGHCFGTFMVMLPSYYFCYRRREHQEQ
VIEMMMKYNQFGHATDLPEEPPL EHPFWEQNNEGDT SNAETKHDREFRGLIKERKEWQK

PQDPSFDEIFQERK

>comp6541_c0_seq3; 190 645 863 LEN=1310; translated
MMMKNYQFGHATDLPEEPPLLEEHPFWEQNNEGDTSNAETKHDREFRGLIKERKEWQKPKQD
PSFDEIFQERK

>comp6559_c0_seq1; 540 206 1480 LEN=1982; translated
MIHIPVQSSMSLLLVMLLQLDSKNSLVGATTASQSSQTH TIPSSHQIFKAHFIDDTYLPS
HSSKSLWVARILGDLRGGGAGDEYDEDESYDVYDDYDEYDSDEEDLEEETPIQRGDRNR
KGGYDHS MIDPSRPRRQRPPSGYHANDFRGKKGSSSLSSATNAASAATKLATKSLSVT
GSLAWNALVKQPGKLAHFVIRPKHVLDLVETFGWLRLDQQVVEKSNKGGGDQRTIASVATI
ELARPPPPSRGSTGQSKRGRSRHRSGPPPPPIVILRRSKSGENDDNEGKDNDIVYRAPFTF
VRKNKYLGASLSSFTQTSFVAPAFVGENQTRLYGYKGSWQRKLADKSVIKLKGKIYQVH
KQKFGKKGSGSYVYGPVAVGTFVMRRRISMSEEEEEEDYDDDLDSDEFEYDNDSDDEEYSEAEG
DEYD

>comp6559_c0_seq2; 540 206 1480 LEN=1946; translated
MIHIPVQSSMSLLLVMLLQLDSKNSLVGATTASQSSQTH TIPSSHQIFKAHFIDDTYLPS
HSSKSLWVARILGDLRGGGAGDEYDEDESYDVYDDYDEYDSDEEDLEEETPIQRGDRNR
KGGYDHS MIDPSRPRRQRPPSGYHANDFRGKKGSSSLSSATNAASAATKLATKSLSVT
GSLAWNALVKQPGKLAHFVIRPKHVLDLVETFGWLRLDQQVVEKSNKGGGDQRTIASVATI
ELARPPPPSRGSTGQSKRGRSRHRSGPPPPPIVILRRSKSGENDDNEGKDNDIVYRAPFTF
VRKNKYLGASLSSFTQTSFVAPAFVGENQTRLYGYKGSWQRKLADKSVIKLKGKIYQVH
KQKFGKKGSGSYVYGPVAVGTFVMRRRISMSEEEEEEDYDDDLDSDEFEYDNDSDDEEYSEAEG
DEYD

>comp6559_c0_seq3; 540 206 1480 LEN=1779; translated
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HSSKSLWVARILGDLRGGGAGDEYDEDESYDVYDDYDEYDSDEEDLEEETPIQRGDRNR
KGGYDHS MIDPSRPRRQRPPSGYHANDFRGKKGSSSLSSATNAASAATKLATKSLSVT
GSLAWNALVKQPGKLAHFVIRPKHVLDLVETFGWLRLDQQVVEKSNKGGGDQRTIASVATI
ELARPPPPSRGSTGQSKRGRSRHRSGPPPPPIVILRRSKSGENDDNEGKDNDIVYRAPFTF
VRKNKYLGASLSSFTQTSFVAPAFVGENQTRLYGYKGSWQRKLADKSVIKLKGKIYQVH
KQKFGKKGSGSYVYGPVAVGTFVMRRRISMSEEEEEEDYDDDLDSDEFEYDNDSDDEEYSEAEG
DEYD

>comp6560_c0_seq1; 275 254 980 LEN=1148; translated
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PKTAENFRALCTGEKGVGKSGKLLHYKGSVFHRIIPGFMCQGGDITNGNGTGGESIYGGK
FEDEWYENELFITHNTPGLLSMANS GKNTNGSQFFFTTARCKWLDCRHVVFGQVEDGWEV
VKAIEAVGSASGKASDEVI IADCGELKDFKLPKKVVNGDYNNEWKTDHLDEYQAHEAKKN
K

>comp6560_c0_seq3; 436 94 987 LEN=1155; translated
MLNLKQKQTAVAFVALSLLCIVPMVSAFDPTAFVADAIAYWNSLNLFYKFLVGAPIFFL
FAAATGLDGGKPKFLIQFRSDHVT SKNNPRVFFDIEIGGKAGRIQMELFKTINPKTA
ENFRALCTGEKGVGKSGKLLHYKGSVFHRIIPGFMCQGGDITNGNGTGGESIYGGKFEDE
WYENELFITHNTPGLLSMANS GKNTNGSQFFFTTARCKWLDCRHVVFGQVEDGWEVVKAI
EAVGSASGKASDEVI IADCGELKDFKLPKKVVNGDYNNEWKTDHLDEYQAHEAKKN

>comp6571_c0_seq2; 140 112 804 LEN=1580; translated
MITARSTLTRNLFRSRKDAQNALAAFVQTPSPSPTSDEQQKPGFARHMTSPAYRRYMQKQ
KGDVAIKGNQPSIGAAQDGIQIPTNEVARSMGWKFSEMENEALVIAEMKNHGARVEVLR
RHIMATDDIDYEAAAGEVIEKIAAKNQDGMTRAALPYKVAIATAVVTGFGAIPMVFSIDVA
KWFNLAFVTMEIPEPSDLETALETGAWTWNWMEPVLGTASYTLLCLOVAR

>comp6571_c0_seq3; 187 112 945 LEN=1416; translated
MITARSTLTRNLFRSRKDAQNALAAFVQTPSPSPTSDEQQKPGFARHMTSPAYRRYMQKQ
KGDVAIKGNQPSIGAAQDGIQIPTNEVARSMGWKFSEMENEALVIAEMKNHGARVEVLR
RHIMATDDIDYEAAAGEVIEKIAAKNQDGMTRAALPYKVAIATAVVTGFGAIPMVFSIDVA
KWFNLAFVTMEIPEPSDLETALETGAWTWNWMEPVLGTASYTLLCLOVARQNMQNLGIKIP
YTSRLMEKRAAALYEAFFPQYNRRMLHSFVETDAMVKV

>comp6582_c0_seq1; 559 1 1797 LEN=1970; translated
DEMDELGREGVYTIREFEDVSDPRSTVLKFC TDGMLLREAMHDPLLSRYSAIVLDECHER
TLATDVIMGLLMEILPKRKKGSEHGELKVVIMSATLDAQKFQEYFHGAPLMKVPGRTPFPV
DIFYTAKPERNYVEAAVRTTLHLHQCEEPGDILVFLTGEAEIEQACEEIREKGRAMDSEL
VVYPLYSSLPPEQQRKIFSAAPGPRTPGGKPKRQVVVSTNIAETSLTIDGIVYVVDPGFS
KQKVFNPRIRVESLLVSPISRASAKQRAGRAGRTRPGKCFRLYTEKSFYDDLQETTYPEI

LRSKMSSVVLTLKKGIDDLVHFDFLDPPAPETLMRALELLNYLGALDDEGEMTEIGYQM
SELPLDPQLAKLILVSPDYGCSAEIVTIVACLSPVQIFLRPRESAKQADEAKAQFHHES
DHLTLRAFNEYDQIPDNEKRQWCWDFNISERSMISVMNVRRLIGIMKRLDIPLVSSDV
KGDGSFASADVRKALTAGMFMQVAFRQRTGDYLTIKDNQHVAIHPSVNNRPEWAI FEE
FALTTKNYIRTVTVTNVDWLVELAPHYFDLENFPKCEAKGELEKAYVRLAHSRKKRGR
>comp6583_c0_seq1; 164 1 454 LEN=553; translated
XDKVSI IQNKKQHAGQNTTVEIGMLNMRKFLWAFVAEWSFLARDTTAFSVDHRAASPS
LGHR TASTSEASPAPLQFPASPHRQLRRPSTQLFSLQPLIEDITQSAMSPASGKKTIFVG
GKGGYVGGRRKREHHSRTLNTIRSNHAFTSV
>comp6583_c0_seq2; 841 1 2479 LEN=2494; translated
XDKVSI IQNKKQHAGQNTTVEIGMLNMRKFLWAFVAEWSFLARDTTAFSVDHRAASPS
LGHR TASTSEASPAPLQFPASPHRQLRRPSTQLFSLQPLIEDITQSAMSPASGKKTIFVG
GKGGV GKTTVSSSLAVELATKHDLKVLVVDPAHSLGDALDADLRRGRGKPVVMDPLT
RGNLYAGEVDAAEALGDFRESLASFDVDRLAASMGVPMDLLEGLGLREFSGLLNNPPPGL
DELVALGNVMDENKVDYDVVIVDTAPTGHTRLRLALPQFLDGLLGKLIKLRMKLSGVTS
TLQAFFGDSGAQERAQTIDNALDRLDQFRIKIKMETALRDPERTSFLVVTIPTKLAVDE
SKRLVSDLTSQGI AVSDIVMNQCVGDLTETTESNGLLNYQRRQEGQSQWVDKLRASE
VSATEEYQSNQSPPIAVSEFPFFDVELVGPALGYVGSQHIMTNPSFEYLMNDGNEPDG
EPRVVICGGKGGV GKTTTSSSLAVSMAAQGHRVALISTDPAHSLGDAIDMDLSGGDLVSV
PLIGVPGSTGEGSLSAMEIDPSSALSQFKGIVDKLIGTSADTSTGGGSDLSATLRDLESI
FDTLPAGTDEVALAKVINLVKKGDFDRIVLDTAPTGHTRLMLGTPGFLAELIDRILDIS
SKINSNAAVKMFITNAASQQGATGEQLDSAATAAKSQLIGFQLQMYDLEDLFANPDQTEF
LIVTVPELAVRESVRLNLDLTFEDPDMPIKVRNIVANQVLKNDGSDVYTFLSHLGKTQA
SSIASLEQSMQGMHPAKITKVQYLDTEPRGVFGLKVLGDALVQDE
>comp6589_c0_seq1; 192 1 366 LEN=986; translated
LLDGELAPVDGFVVVLAVALAAAATAAAPLRMGIATDRLAVERNIDVLAGKVQEGDLEIE
RDP SLAVDRSSLRGREAVGFAAAARQHGMRRFRKVRVGSVRKDVDTDLAHKEQKGRRG
G
>comp6595_c0_seq1; 323 236 807 LEN=807; translated
MDHHNYNEAFATPLKRKLPQQRNTD TDVLTPTLAWEDSDAETLSVGSTSQSSSPATPV
SCPPTPVSF TTKRRLADDALVYSTPPCNVPGPLRSGLSRRPPPAVPR LAMDLSRLGEDGR
RDEEDLSFLAFPALYEDAGIPAPSPEDGLPSRAFALEPRPNNGFPALPKRLFQDGTNTIA
SDPSSSSSNX
>comp6595_c0_seq2; 323 346 917 LEN=917; translated
MDHHNYNEAFATPLKRKLPQQRNTD TDVLTPTLAWEDSDAETLSVGSTSQSSSPATPV
SCPPTPVSF TTKRRLADDALVYSTPPCNVPGPLRSGLSRRPPPAVPR LAMDLSRLGEDGR
RDEEDLSFLAFPALYEDAGIPAPSPEDGLPSRAFALEPRPNNGFPALPKRLFQDGTNTIA
SDPSSSSSNX
>comp6595_c0_seq3; 323 165 736 LEN=736; translated
MDHHNYNEAFATPLKRKLPQQRNTD TDVLTPTLAWEDSDAETLSVGSTSQSSSPATPV
SCPPTPVSF TTKRRLADDALVYSTPPCNVPGPLRSGLSRRPPPAVPR LAMDLSRLGEDGR
RDEEDLSFLAFPALYEDAGIPAPSPEDGLPSRAFALEPRPNNGFPALPKRLFQDGTNTIA
SDPSSSSSNX
>comp6600_c0_seq1; 473 1 1521 LEN=1868; translated
CLSKSWKGGKERNMNL LAFQIITFLFFGLFIFKGLYGNLAHAFSLSTAARRGRNPDHGN
NANQKYKPVVVVVKI IIDEYGPYPSSGEKNTINKHGDQSSYEPRETEASPLSISIGGGG
PQAAF GAAAALAVWDSYHVNGIGDKNSSVSMKLT PSCQQP IPPVFLAPVVGKDWTKSET
IALLSALNTTTSRSSSGDCKECITPASITSQGN NIVTHLIQSEDSITPRIRLWHDQD
QVVHWYAINDSFGPKGADGLWRNRPSAEDLVSVLSTENCSECDGIILHVIAEAGKDAAGG
QLDCLPLITDPTLVESHLSFLGIEPVASGESIEEEDALSAGTILEGSWKKTSSLDSVFWC
PDYALDQAMRKHNIYDTFHKNKGKDESTSILVSTRDGPRGSQI WYPFGDGSSRDITIPA
AALSTKNGEPIDPTGAGNAYSAAMTALLGNSVPLNIAASIATGVGAVVCEYEGLPTAMIN
KATWSKIVERIHEAATEVRAKLEEH
>comp6601_c0_seq2; 261 90 779 LEN=1114; translated
MTQFLRNSLALALVAIASLTAVRGFVSNGETRRGFASSVAGIVTGSSALLIDPSRVFAE
DAAATPLARYENSNCKFSIDL PSEWTMTEQSLPDRRKI ILYIKPDSNQKTLFFIAFTPTR
DDFTSLGSFGSVDEVGQATILPKAELA AKQIESEMLSAVSKKQAYFFDYVQSVPSQPKT
HFRTIFSLATGATGGAGNVLVITTAQTPESDYAAMEPLFNKVLDSYKNA
>comp6606_c0_seq1; 656 273 2372 LEN=2690; translated
MSGSSSSSREAAVVMFEMVTASHWTARSSSES NVVDDL RPLLLMMDIGSCASAEKHTRVN

CVTASMGDVVIEHYPRIGELLELRAAPVSVGRTSLDISVLVVAHGCNESNGSAETKQVCE
AFFTYVTTRGPDGKKRFAPPLAAREGTGSYACEKTWERTMAQFRKQLIRSEQTLVKRHNN
HLLLEEQRSGGNDAAAPSALAI FECSEVVLPRHQNHMEHLFGGIVMGWMCKSALAGCVLACR
KPPSAFRIRSIQRVDFPKGADVQDHVVLPRITAI F D GGRHAEVEVRVTKRSITREQPEP
SSGEALMNVGHFYVTGVSSYEQAGSKRRSDIGNTDGGPEEKLSCAVAPFADLLNKRSDLY
GSNPKDKPSLDLEMARERLNALLTRMNLLAGIGDSIRWDASMELQAPILTILSVLRLCDD
YIEESTSTYSSNGRGVDENHSGPIWTVPDLLL SHNPPNTTVEWARGEESLFGHSNTFLLR
GKTVVSRRRPVEPNLSGSGFLEAVYATIRDKRPEWDPACMAIECLERSSSDKNTEAENGKE
ALEWAVVEYQMKSAIADFRLLCLLQAGAYLRRDGS IAGSGEDDDGDGDSTQEENTSAVLAS
RSVRHQRSKGT H R V L P S G W V L K T M E D D G E D N D E A K T T D E R L E I T Y V A E F D Y D T V R Q S G A L
KGHEDYATEELIAGYVGLFVGQWFENLASFYHYRSNDGD
>comp6614_c0_seq1; 362 302 1237 LEN=1499; minus strand; translated
MSPLTRFLNGRASAHAPLHIPHCTNTSEDEFKSEVLLLRLLENNIKDDKLVAVTQSLHEK
EQEVIDLRANMSVVNTSIHRLKRNIAATNTELERENKQKVIDDLLLKIKNYDQRLKEQS
AIIAQQHQLLQKQTSQDVDLNRVIPFLMNSVSI LRPSVTNITAIYQKGGYQQQEHQQRL
QYSKLLLESTKAHLSSNTTTTNSACSSTKSTSQALSSVESTSKKASKYAHISMADRW
MNRYNELIEYKKEHGSTLVPQRYKKNPKLGKVVTHQRSSCLTEERKALLDEIGFVWDATR
KGPLPVSILKS
>comp6614_c0_seq2; 238 441 1118 LEN=1380; minus strand; translated
MINSPLSPSRCTKRSKRSSILKICNYDQRLKEQSAIIAQQHQLLQKQTSQDVDLNRVIP
FLMNSVSI LRPSVTNITAIYQKGGYQQQEHQQRLQYSKLLLESTKAHLSSNTTTTNSACS
KTSTKSTSQALSSVESTSKKASKYAHISMADRWMNRYNELIEYKKEHGSTLVPQRYKKN
PKLGKVVTHQRSSCLTEERKALLDEIGFVWDATRKGPLPVSILKS
>comp6614_c0_seq3; 124 859 1089 LEN=1351; minus strand; translated
MADRWMNRYNELIEYKKEHGSTLVPQRYKKNPKLGKVVTHQRSSCLTEERKALLDEIGFV
WDATRKGPLPVSILKS
>comp6615_c0_seq1; 307 115 558 LEN=717; translated
MKTAAILLATVSGVSAFTQAVSQNRVATALS AEPVPLANGAMSFNRVCREWRCKYEGDKA
TSASLEAIAKVVDESLPEIKKASSEITVNRLVCGGCLDFKLMMTVPLEDFGPWEEAGFP
ESDFLAKIKAIEGVS SVVETQTITNMEI
>comp6642_c0_seq1; 263 1 1403 LEN=1475; translated
RADVSQVLR IYQNKASKSSSSSCGSNLLSIAETVLLKEMKRAIRGRTKQARNAKIAASF
LALNGEHSSNNNSDNHYNDDETRNERHMR LARVLLGIGTPEDTEEILSQSLLDNEH
LLGIIRHNAFGPDPFHYYHRMERELFDANHADTTTTGGNNTTSIASLYSRVLGHYPLAAMI
NHSCGPTNAARV F Y G E T M V A S A T M D I P R G T E L V W P Y C P P I L P F P E R H S R L E R G Y G F S C S C
QRCLLEGAAL EGGIPPLPLMGATGHGGAEARLGPDEWSSVLESVEAWYRAVTAGEPPKH
SNNNSEPRSPNLNGL ECLRLGHTQLYIDYFNQSLAEKGAVEVLLDQATELHRSFARVHNAC
TEHLSLLHLSYELEAIGGSTSKETGNGXADLDRAPQAGTPLQVFERDSREGPGNTTDGPQ
AYPDRPKDEEWMSQQNTGGREFFMRMERANAHACRRLAQVVLQQW
>comp6670_c0_seq2; 429 149 958 LEN=1054; translated
MTCATTTTTTAFASLFFCLALIGSISEQKVDAFTLGGLSPGRFGSVAVTKMPQPVTSIMS
MAEEDAAEEVEESSEAEETPEDPEVTALKESIAELEGNLADKKSKLQYELEKCEEYS
KSGYARKVADMENMKRVRSNIASTSKASATAAVLKDFLPIYDTLNSLRETYSEDEFGRKY
SELNLEQTFATLGVT SFDIQAGDKINFRMKVLESENSNDFEKDTVLRMV EPGMELEGNV
VRAAICVGS LGAEGADDESSEGEDTTEEA
>comp6670_c0_seq3; 385 149 1250 LEN=1346; translated
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MAEEDAAEEVEESSEAEETPEDPEVTALKESIAELEGNLADKKSKLQYELEKCEEYS
KSGYARKVADMENMKRVRSVSRTTIEIGKRQEGRSNWRHAQILCHLKM AIHKFGSTTRL
PATVILSLTVSFLVSLFANVFLPEHFVAGSTRVFTNTIRSCSITIPQRAFLFNLKNIAS
TSKASATAAVLKDFLPIYDTLNSLRETYSEDEFGRKYSELNLEQTFATLGVT SFDIQAGD
KINFRMKVLESENSNDFEKDTVLRMV EPGMELEGNV VRAAICVGS LGAEGADDESSEGE
DTTEEA
>comp6673_c0_seq1; 378 372 1160 LEN=1655; translated
MSYNNNTVNANPNYNNNSYPSGNNNSYKKT LKIVIVGDSGVGKTS LMNRFSTGKFTGQY
KATIGADFLSKDNVIVNDNFMQQRHLVTLQIWDTAGQERFQSLGVGFYRGADACLLVYDV
TDPHSLDNL DHRKEFLEQVGGGIQGLGDASTQFPFVVGNKIDKANDRLVTREQAEDWC
RTAASATIMGSQPLPYFEC SAKTSESVEDAFQEAARRAIVYEEYKRSQPQLFVPPMGS
SNAPINLRGQYDQSNKQPD MCC
>comp6673_c0_seq2; 113 1 121 LEN=910; minus strand; translated

XSAMKMETSVPATSSGVVVKRVLVNVGDKVDGDDLLVEIEV
>comp6688_c0_seq1; 75 1 801 LEN=914; minus strand; translated
VGRTWKSTSEQITGKTNNVRIKWRSFIFSVLPAPILGALVPGATLATKSVIVTALAAAQV
AYTLAEAEFCLARATDAVAIKARSAAVCDTYANQGARSAAILPFTSALSGLCAAATAAIV
ELPFLLETLSASGTVASLTGEMAIVGVLPLFSTLFAAAAASVSKARCEVDAEAAVQAASTLA
LEYSSNEDEDPILRPFRGVAELIRLVSTSTLEPYQRFYRRFRFSMSRSWNKFKNIFRLFS
RRKRGGSEDETSNASDSGEEGPVPALA
>comp6692_c0_seq1; 275 1 1063 LEN=1063; minus strand; translated
XAVYFPTSIDAGVIEAKDSGVNSIRVLIHHLDDDEIIELSATLDVRSYRPEMASIPIALS
FGLFLVFNIMVHSLFLAIFIGSWIEGSMTRGFKATFDTFLEAATDNGXRVNVSDLKA
SSSQSHFSTGRISNNWFSLLSMLLLPCYDSILFIVGIFGLMAMVNRSGGTSAAVIKSLTQH
SSKTRLAQFVIFLMGLAFFFNYPYVSIMIVGNIIGSIFKSFPLSSEKVSFLIDTTAAPVAS
IFPTSSWVVFSTDLIEREIEKIKALGYEEVSGVSGHSLIISIMYQFYPIFVLGLAVLQI
LTGREMGLVLDAENKARLSYNSIDPRKTSFSRLKERSFNWYIPVVTLNVFLWYAF
>comp6695_c0_seq1; 339 81 1163 LEN=1840; translated
MLATKVPSELLPKFLPFRRELTLQSLTALSGNGNGRTSLTSPSTPTSTFSSSSSSLLQTOQQ
STNSQKRSYVSRAPRPIPEFSVPIGLQMVLDGVEERKKARAAKWERNKEKRRSRGIEDV
GEYRNQNETIDLSINLNVDPRRPGQALRGSVVLPHGTGKTVSCLVFTSDPSTIEEAKSQG
HEAGGEELIDSILAGEASIDAYQALATKETMPLVQQLARLLGPRGLMNAKTNTVFDE
GKVLLEALQEQSSTITYRTESSGILHFPIGKGFDTSKQLIDNLQVICQAVQDAKPEQYGR
GKKPKNKGGGAGTKGNSKKQSKNVKYWLKAHLTATQGGKSVRLDLRTVDPASPFMKEPE
>comp6695_c0_seq2; 226 682 1409 LEN=2086; translated
MSENIGIXNETIDLSINLNVDPRRPGQALRGSVVLPHGTGKTVSCLVFTSDPSTIEEAKS
QGHEAGGEELIDSILAGEASIDAYQALATKETMPLVQQLARLLGPRGLMNAKTNTVF
DEGKVLLEALQEQSSTITYRTESSGILHFPIGKGFDTSKQLIDNLQVICQAVQDAKPEQY
GRGKKPKNKGGGAGTKGNSKKQSKNVKYWLKAHLTATQGGKSVRLDLRTVDPASPFMKE
PE
>comp6701_c0_seq1; 163 1 519 LEN=1060; translated
VRLASDVLDDQDPSATLAIIVSEFMNPSGDFADRLSSWWTVDVGGGSARALLLTNEKALDA
AEYAKRRADNDKEAKQWEGHLGNAIEFISPLMFLRRNQRKSNLTGDNTTTAVDLKHVV
VPKTRREGSIWTPTNIVGRNFTSRHIQKFAEWNTVPPDVTVDHGDGRQAITKH
>comp6704_c0_seq1; 643 284 1948 LEN=2353; translated
MEPTKDDATMETPEVSVSAPAPGGPDPEEGSFDSPQPKNTTPIPPGPAQAVMLAPTTGK
QPDRDRTLVEPSGALASPETAVTGRSSDEADERLELMYSKDVAAHKKSSDGPGGDKERRKR
WLTIGLLAFLAVCTIAAASAVVVLRRRKGPLASSAATAGLAEPDTVSPAPTRTPVPTADP
SEGPTTGPTESPSAGPTGEPSSVPTGAPTTSEPSSAPSPMPTRDHVALLQEFLLFGSYAVD
YNETSNMLAIEWLAEEAARIDSFEPDERLVQRFALLSMGFALRGANSTLDAPVNVVPGVD
HCDWDGVCDDGGDEEGSVTEVRWAYQNRTESGDGRISPEVRLAEDLVHLDLSNNDLVGT
IPEELYDATNLEKLYLFRNELEGTISTKIGNLDSITHFHLSHNNLSGSI PAEVKSGASGI
RPLEYFNLYRNRLTGTLPESMRFRDMIYFDVGRNELSGTLPDDIGEKFVSLRHAHFDHNY
FWGTLPESYNTVGNRLESFSDHNYLSGTVPGKRDLTNKLVQYTLHSNKFDAMDKNCK
MEVPQGEMIEFRVCV
>comp6704_c0_seq2; 591 284 2217 LEN=2298; translated
MEPTKDDATMETPEVSVSAPAPGGPDPEEGSFDSPQPKNTTPIPPGPAQAVMLAPTTGK
QPDRDRTLVEPSGALASPETAVTGRSSDEADERLELMYSKDVAAHKKSSDGPGGDKERRKR
WLTIGLLAFLAVCTIAAASAVVVLRRRKGPLASSAATAGLAEPDTVSPAPTRTPVPTADP
SEGPTTGPTESPSAGPTGEPSSVPTGAPTTSEPSSAPSPMPTRDHVALLQEFLLFGSYAVD
YNETSNMLAIEWLAEEAARIDSFEPDERLVQRFALLSMGFALRGANSTLDAPVNVVPGVD
HCDWDGVCDDGGDEEGSVTEVRWAYQNRTESGDGRISPEVRLAEDLVHLDLSNNDLVGT
IPEELYDATNLEKLYLFRNELEGTISTKIGNLDSITHFHLSHNNLSGSI PAEVKSARAES
APSVSYVFACGEXVRETLDPAHVLLCGVSVPEYFNLYRNRLTGTLPESMRFRDMIYFDV
GRNELSGTLPDDIGEKFVSLRHAHFDHNYFWGTLPESYNTVGNRLESFSDHNYLSGTV
PGKRDLTNKLVQYTLHSNKFDAMDKNCKMEVPQGEMIEFRVDCWICECNGFFDLCDXAM
LLKQKAPADSETYFGDWRYSHHEHNQGLGRWEKMMILIGSTFLDP
>comp6704_c0_seq3; 646 284 2130 LEN=2211; translated
MEPTKDDATMETPEVSVSAPAPGGPDPEEGSFDSPQPKNTTPIPPGPAQAVMLAPTTGK
QPDRDRTLVEPSGALASPETAVTGRSSDEADERLELMYSKDVAAHKKSSDGPGGDKERRKR
WLTIGLLAFLAVCTIAAASAVVVLRRRKGPLASSAATAGLAEPDTVSPAPTRTPVPTADP
SEGPTTGPTESPSAGPTGEPSSVPTGAPTTSEPSSAPSPMPTRDHVALLQEFLLFGSYAVD
YNETSNMLAIEWLAEEAARIDSFEPDERLVQRFALLSMGFALRGANSTLDAPVNVVPGVD

HCDWDGVGCDGGDEEGSVTEVRWAYQNRTESGDGRISPEVRLLAEDLVHLDLSNNDLVGT
IPEELYDATNLEKLYLFRNELEGTISTKIGNLDSITHFHLSHNNLSGSI PAEVKSGASGI
RPLEYFNLYRNRLTGTLPESMRFRDMIYFDVGRNELSGTLPDDIGEKFVSLRHAHFHDNY
FWGTLPESYNTVGNRLESFSIDHNYLSGTVPGKRDLTNKLQYTLHSNKFAMDKGNCK
MEVPQGEMIEFRVDCWICECNGFFDLCDXAMLLKQKAPADSETYFGDWRYSHHEHNQGLGR
WEKKMILIGSTFLDP

>comp6704_c0_seq4; 588 284 2035 LEN=2440; translated
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QPDRDRTLVEPSGALASPETAVTGRSSDEADERLELMYSKDVAAHKKSSDGPGGDKERRKR
WLTIGLLAFLAVCTIAAASAVVLRRRKGPLASSAATAGLAEPDTVSPAPTRTPVPTADP
SEGPTTGPTESPSAGPTGEPVPTGAPTTSEPSSAPSPMPTRDHVALLQEFLLFGSYAVD
YNETSNMLAIEWLAEEAARIDSFEPDERLVQRFALLSMGFALRGANSTLDAPVNVVPGVD
HCDWDGVGCDGGDEEGSVTEVRWAYQNRTESGDGRISPEVRLLAEDLVHLDLSNNDLVGT
IPEELYDATNLEKLYLFRNELEGTISTKIGNLDSITHFHLSHNNLSGSI PAEVKSARAES
APSVSYVFACGEXVRERTLDPAHVLLCGVSVPEYFNLYRNRLTGTLPESMRFRDMIYFDV
GRNELSGTLPDDIGEKFVSLRHAHFHDNYFWGTLPESYNTVGNRLESFSIDHNYLSGTV
PGKRDLTNKLQYTLHSNKFAMDKGNCKMEVPQGEMIEFRV

>comp6709_c0_seq1; 111 451 1105 LEN=1232; translated
MSPSAVQLRGVWYDPWVQPSCKWAHSTPTVIRLYIFYNPFDPDAMPGRGFCRAPPHEGIGH
RSRDTVHSRRFLAWCRGCCAPVRAASRQGTDRTPKVPRRQARPRRRFGFLQDEDDSRNG
AIVCARAAEARRPHRELVAAPPMLALLCARRGPTPPGARFPAAPPGHGGSIRFPRAPPLA
GRGARREHPKRHRREPRARLGPVRAAIPLERTQDEEHL

>comp6709_c0_seq2; 111 470 1124 LEN=1251; translated
MSPSAVQLRGVWYDPWVQPSCKWAHSTPTVIRLYIFYNPFDPDAMPGRGFCRAPPHEGIGH
RSRDTVHSRRFLAWCRGCCAPVRAASRQGTDRTPKVPRRQARPRRRFGFLQDEDDSRNG
AIVCARAAEARRPHRELVAAPPMLALLCARRGPTPPGARFPAAPPGHGGSIRFPRAPPLA
GRGARREHPKRHRREPRARLGPVRAAIPLERTQDEEHL

>comp6710_c0_seq1; 316 1 1121 LEN=1237; translated
XIASHPQGVFSSYRTNHIPIIDGNFCTESIFQSKPIRSNTIQYDPIQFGTAMAPGSNERSG
ETGQQHQQQAPPLPPRPAPSDGPALSFEADPMVSDIPLCKDGDYAGLVLVTNWPPSPLE
GVGREYSEFLAAVRSCFDPCDTSVQMAPGEAPTTVPVAVYFQPI SALHVTIATFSRIHKID
DDGDDRGEKRQRDRERKRALALVEAAARLPGWPKKPFRLVVE SAQIGKKAGILLWRDLS
GGIEAARAACREAAAAAEQGAAPANGNANANTNKNSNSNTTTKAYPTIPGIVHSTVLRFS
RVPATPGETVQERFRSGVLQRLGTDLFAAGSAIASDTVRLADETTPYMHFAPDEDHVLWS
CGLGGGSGSGGAE

>comp6712_c0_seq1; 574 61 1539 LEN=1617; translated
MNTILRVSIRITNIHPFFAIVASVGTTTAGAAWYKNTTRCEVALKADVNEADEQTFRIESH
LMDRIQQKYLNSNAKDSIPSTLRVLAIDVPEMRTEAFTGECVISHDKVFLDDIAAPKVVN
VVLDNQDKERNDDKKEKLKIVQKSLARSIIYCSSPQSQQHVGVELLEASFNSLNRFKVRK
KQSFQNYTYDPGKYDSSNSNENDSDDDNEIDEVDEGELPMDKETLDEIEAPWNQYAWS
EELRLRINGHIEFDGPVEKSSRYQRVLFGKNYKSTVPAVSRVMDLFI PFSFARSDPDGID
GRNQSNVRACNKPHAVVANGAALQLVPSLRLQLKCKKADVPLFVVHDPRQWGGNTQAS
LQEALIAMRSTVKNRIIGKALEQQGSSAFTRGRMLGQVETEAKWQLKDKTKRAKELLGLE
RGRRRKVEKEDWSLLDADTIKSKLIERKAI RVEKDGSDSKREVCTEELMKIARECCDGSR
EQTAQKANPDQF

>comp6726_c0_seq1; 655 242 1618 LEN=1793; translated
MGVSEAEKIKEVEEGPEALAAAMDLAEDDGGGERDGGDDASTSSTLDRKLIHADEVVPPKS
LVLIWILFAAELGFDLITTAIAFFSTIGKQECGTYVYLGPLPMTTTPFFFLIVTEIVF
LGRAILLTLWPSVFEARRLELHGGLDEDDDNIGNLGQVGFVTLATTEDDEESGSRGESD
SDGSKTPNGEEPETEGSVTQADASDAEKHESPSPESEEEATEIADEPEAAEEASHPCTS
ETAREEGGDPKDRAPFIDTSAAPPKGEAFWKRACCCLLRWARNVILMVLNFLTLLNPF
GCLIAIYILLYQSDKTECFVVLGIESLSIVLHFVSVRMEGGLRTVWSRALHSLVLLPFFVT
VILVFLVFLREGGMCYSAESRIFLFSGCEICPDTEEPPIDGMCNSTLEGAGGLYEDLQDL
GSSFASFSDLQKIASIAKRGAEQGDYCEQTNFCFFEF

>comp6726_c0_seq2; 420 594 1828 LEN=2145; translated
MGVSEAEKIKEVEEGPEALAAAMDLAEDDGGGERDGGDDASTSSTLDRKLIHADEVVPPKS
LVLIWILFAAELGFDLITTAIAFFSTIGKQECGTYVYLGPLPMTTTPFFFLIVTEIVF
LGRAILLTLWPSVFEARRLELHGGLDEDDDNIGNLGQVGFVTLATTEDDEESGSRGESD
SDGSKTPNGEEPETEGSVTQADASDAEKHESPSPESEEEATEIADEPEAAEEASHPCTS
ETAREEGGDPKDRAPFIDTSAAPPKEXFLEEGLLLAPVERPRDPDGAELSHPAESVF

RVSHCLHPAVPIRQDGVLRGPGHRVALDRPALCFGPHGGPPHRMVQGPALPGSPPLFRH
GDTGPGLFAGGGHVLLGREPDLFVFRVRLDRHGGGAADRRDVREFHAGGSRW
>comp6743_c0_seq1; 102 146 595 LEN=1791; translated
MLQEEDGRNRAQKTSATTASEPTTTGEGAPDPKRTPNPGNTRKVFYTTCREGMANEYIR
RHNDIPDVCAGLRTAGIAFLSIHKLPGASNVLVLTITETAGSNLNLGRATGPGSVYRQNP
VCQKWEVDMETHYHNGWTEMEEIHSSDVEW
>comp6745_c0_seq1; 347 1 902 LEN=902; translated
XTKLDYWTITARNHCYQQTQVARKKMVFYTTIRGGQCKNSHSHITLTSEEDITCYVGRDK
HENEYLIKYGWPGDIWFHVEGLSSAHVYFRLDCFGNTKNTSNTSSIKGLLGQIPIDDLPD
ESVEDMCQIVKHNSISGCKLASCKIVYTPHNSLKKTFGMESGAVTYHNPQLQRFRCDKD
RQRIKLLEKTKSSDLQIDYEEEMKANERRIIEWKRFLRKQGGGSGVEIYDPVLDLDRGA
KAKANRQGDDESSGLDSGLAALAEELGLGGGAVQHQRDRDPTRPVAPSTGKTASGNDDDDD
D
>comp6746_c0_seq1; 297 504 1130 LEN=1130; minus strand; translated
MNDIFGFVKSVMKSIKSPGNSSENSKTPSSPRDEGNSSDNLQAETTSMPRGAHIPGI
TVPLSSQKVLKTNESPIGLVSTKDQVIGGDGRCDGKEDTGRALRIHGRSLEANLKTIRK
ESSAERCNVTDLKTPTSPSTKSPSLATSDTSNVYFDEEGNGEGKENAAATTSVTTTSVT
IISKPFEDPLETSTVTFGNTTDPKSSLLA
>comp6748_c0_seq1; 460 1 1078 LEN=1240; translated
XDLLVEVAIAADTSFDYLLIESTGVSEPMPVAETFTFEDSTGLRLGDIAEIDTLVTVVD
GSRFMSEMHSLENLQARNWHADPEDQRTISHLLCDQVEFANVVILNKCDLIGDDERVQVK
SLIRKMNPDARILESKFGNVPLDCVLTGTRLFMSDAEKHEKWLQEARYGEHTPETEEYGI
GSFTYRARRPFLPDMLERVLEDLLGGTEVPFDSSKIIRAKGFVWLAGCSQLQGDFSLAGN
HYSLLPGNPWWAEIDKSHWPEHLESSIAPLWHEPYGDRQQEIVFIGQGLDREAVCKAFDT
CLVPPDSMEAGQETWDAMVHEYGDPFAETWDAALALAQKEGEGHSHDHDHSHEAATAAQ
>comp6750_c0_seq1; 708 186 1376 LEN=1506; translated
MKTPTMGILNSMAAIAVIASISNTMDISIEAFLPSSHYPRPAALGKLTGSRGVETRICM
FDWVNDLFGGDAKKKEEAAAAAKAKAKEEAEAKKKAEEEEAKAAAEQAAKERAEAEIAK
QKAQEDAAMLAKAKAEAEAKFAEFEAQQKAEQEAIASISARTKAKAEAKTAVESETEKVE
DETTTKEEETEIKDAAVETMKTEKKVVAKIKEEAEATVATEAQAEKVKDAANSTAEVED
VAAAQKDTEEKTTSETAENEDDGELARFNAYLDEVIKKGDRIKGVVQWYNPKKGFIFK
FQTADEEFEISKAIRKERAVKEHEKKVVTYSPGIYVHHNSLYTPDETYFRKLYPRESVEL
EVDYDNEGRPTAKDVTGPDRTDIQAILKEKLREAS
>comp6752_c0_seq1; 397 164 1942 LEN=1979; translated
MAATPNGNRDPSPNKKNKTRNGSGDGGAKQQGGVAPSPRSGGSSAASLNNASKAAAQMOKM
RDANSKYKNLLKMAKERIEQQEVELKELRGEYQNEFSILLFVSFAKQLWLERSEM CWIRI
MKVIQDGHVRESMNIXSYHAYAVLFFNSVSLIEYAHFYKFS TMMLVCSGYGETEAERKRM
EEEVASGNSREITANAKPLEDANDDLNSSDWNLTRVSQLIRVDLESHELNTRGLNHEIWA
LCHFEELETDEQKFLINNNNSDSTNKKKQWKRFD AESDLTDFIRCDRGEPLTLPPYSLTP
RQSSRTVSEADKKVSDITEEYRRFRVKSEMTRKQMDAQIRDLQSSQVEATTRQIEGQEA
EQGMESRGT EHSQ LERMRAE AARQEDQWREAYDILLKENEALKSSGSEALLASQWRQRY
EACLKERDEAVNKLQSAQQRHEQH KQQHSASFSSPPGIRDGKISKGVGNEGKYEMKYRD
LKESFRLYRKKAKEIFESQAAAAATNNSAGGKNAADMMVLQMSQQHSNAEEESKLDYLK
NLMVNYLTADQETRDHMEMAIGTVLKFPTDIAAIIKKKKEDDASWGAYIGYT
>comp6752_c0_seq2; 494 164 1690 LEN=1727; translated
MAATPNGNRDPSPNKKNKTRNGSGDGGAKQQGGVAPSPRSGGSSAASLNNASKAAAQMOKM
RDANSKYKNLLKMAKERIEQQEVELKELREAERKRMEEEVASGNSREITANAKPLEDAND
DLNSSDWNLTRVSQLIRVDLESHELNTRGLNHEI WALCHFEELETDEQKFLINNNNSDST
NKKKQWKRFD AESDLTDFIRCDRGEPLTLPPYSLTPRQSSRTVSEADKKVSDITEEYRRF
RVKSEMTRKQMDAQIRDLQSSQVEATTRQIEGQEAHQGMESRGT EHSQ LERMRAE AAR
QEDQWREAYDILLKENEALKSSGSEALLASQWRQRYEACLKERDEAVNKLQSAQQRHEQH
KQQHSASFSSPPGIRDGKISKGVGNEGKYEMKYRDLKESFRLYRKKAKEIFESQAAAA
TNSAGGKNAADMMVLQMSQQHSNAEEESKLDYLNLMVNYLTADQETRDHMEMAIGTV
LKFPTDIAAIIKKKKEDDASWGAYIGYT
>comp6752_c0_seq3; 117 164 566 LEN=566; translated
MAATPNGNRDPSPNKKNKTRNGSGDGGAKQQGGVAPSPRSGGSSAASLNNASKAAAQMOKM
RDANSKYKNLLKMAKERIEQQEVELKELRGEYQNEFSILLFVSFAKQLWLERSEM CWIRI
MKVIQDGHKRNENGX
>comp6754_c0_seq1; 122 81 515 LEN=708; translated
MQRNAVDT SARLGPCQIPHTDPNFLSFLVPLFSASPLPPPIPRKDCHWVYQKNKCFGYQ

HGVHIGENYCRKSCGYCNDLPPPTPLPTPDPTVSPTKSPTRDPATAEPTRFFVFRPPPTAA
TPAPTPKETESSSLVSTLGESIGG

>comp6754_c0_seq2; 479 74 1585 LEN=1778; translated
MASTCSRFSVLLLLLFLGLLLRQAEATDRYVPFVANALDYNDAVEKDNKVKGNCKAGQPPLD
EPDAQTTKDSVCRETGPCQISYTEEGESVTYKFKTSGSDGKRYADITARVSSKNPKKFEM
KLFNGRNADETEQFRTKGGKGFDDFYDVTWRRVPIDMLYDHHRVVVFTDGNINMCSIRVD
WSDKNPTPAPHKKPTRKPTPKPTPSPHHPEPTRSTPAKWSAFEYSVAYDNSYAYEGNCHK
GDRDDGVDGSYTSKVCINRDDSECHIGWTRPGEWLQYDFFAEEEGRYNVRARVSTNLYG
KYIRFRLTADDRAPFGKEIDVPAYGWRDFSDVVWKNVYLYRGHYELQVYFSTGYVNLCSA
AVYRSASKPTRKPTRHPTRHPHPTHEHDNYNDCEDEGYRYFGYHWKDCHWVYQKNKCFGYQH
GVHIGENYCRKSCGYCNDLPPPTPLPTPDPTVSPTKSPTRDPATAEPTRFFVFRPPPTAAT
PAPTPKETESSSLVSTLGESIGG

>comp6761_c0_seq1; 125 738 1097 LEN=1475; translated
MAQFCKDFNEKSGEIIYETNTPLRVELRAMSDRSYTFSSIRSPPTAWLVKRAAGIDKGPNKP
NMSEQPFGYITPEMVHEIALIKQGDDNTWHLPLEGIARQVVGRTARSIGIKVAEEEDLPE

>comp6761_c0_seq2; 125 402 761 LEN=1139; translated
MAQFCKDFNEKSGEIIYETNTPLRVELRAMSDRSYTFSSIRSPPTAWLVKRAAGIDKGPNKP
NMSEQPFGYITPEMVHEIALIKQGDDNTWHLPLEGIARQVVGRTARSIGIKVAEEEDLPE

>comp6764_c0_seq1; 443 48 2024 LEN=2147; translated
MQLFAAVLALSSTFFGTSFVNADQGCLGGVYGNKTTTKLDIMDSVVRENSLHQIGGQLRY
ENVGTVRDRPVSLVVTVVDGDYADIAQVWIDRKRKSPYEMNGKKEGGKFANINLQTVGK
PKSGEGNFRMCFVDTEETNELTTVEKFSWTVYDLDERGNDKINKPVIKEKLIIDTNQARAF
QLWPNEAQSEVKLSCEDGSQVPCNAGVRTVFHSSTDGTGDDNPTDPNILDQLKRSRVTFT
TFIDTDCWEFTYDHYCPVEQPEYDGPSPRKTCKKYTGGNFLFAGESEEIINGGECLTPPP
SPTASPTPVPTAEPTTSPTPSPTANPTASPTVSPTVSPTAGPSSRPTVPPTVSPTTSPTA
GPTSGPTTSPNSPTAAVDLPTTSLPTESPTSFDTAFPTKFENSDFPTASTTSFDTASPT
SLDTVAPTVPFTILEMPTTSPTTSPTKSPTPLPTVGATESPTASPTASPTTEPPTAKATES
PTTSSPTDAPTFTETEDETSKPGDVTLIKNGITDIPLANAIVKQDKSTVTVELHQSWTS
GTKRESVDSIFYSFRTSIFDQKCYESRDVGSQRYDTIELTCEVLKPIAFVEICVVDATH
GILVPGQGNNDATVPKCHPEEISPEVPVVCYTVEIKCQTECVVEIERGRRGLRGSYP

>comp6764_c0_seq2; 426 48 2188 LEN=2311; translated
MQLFAAVLALSSTFFGTSFVNADQGCLGGVYGNKTTTKLDIMDSVVRENSLHQIGGQLRY
ESKTIESMQLKSLILFLNSNQTVLREAGTLTPTLSFSDATQSDICYPSNIFMTSDVGT
RDRPVSLVVTVVDGDYADIAQVWIDRKRKSPYEMNGKKEGGKFANINLQTVGKPKSGEG
NFRMCFVDTEETNELTTVEKFSWTVYDLDERGNDKINKPVIKEKLIIDTNQARAFQLWPNE
AQSEVKLSCEDGSQVPCNAGVRTVFHSSTDGTGDDNPTDPNILDQLKRSRVTFTTFIDT
CWEFTYDHYCPVEQPEYDGPSPRKTCKKYTGGNFLFAGESEEIINGGECLTPPPSPTASP
TPVPTAEPTTSPTPSPTANPTASPTVSPTVSPTAGPSSRPTVPPTVSPTTSPTAGPTSGP
TTSPNSPTAAVDLPTTSLPTESPTSFDTAFPTKFENSDFPTASTTSFDTASPTSLDTVA
PTVFPTILEMPTTSPTTSPTKSPTPLPTVGATESPTASPTASPTTEPPTAKATESPTTSSP
TDAPTFTETEDETSKPGDVTLIKNGITDIPLANAIVKQDKSTVTVELHQSWTSGTKRES
VDSIFYSFRTSIFDQKCYESRDVGSQRYDTIELTCEVLKPIAFVEICVVDATHGILVPG
QGNNDATVPKCHPEEISPEVPVVCYTVEIKCQTECVVEIERGRRGLRGSYP

>comp6767_c0_seq1; 309 1 1327 LEN=1327; minus strand; translated
XDAKKQSLPLHQSAMDERLDTSQKVMALKESEQDIITGPPWRENSFMRLSACSQIRNGSL
ETGDYERNISSNCEASIQDDFMGPKAAQTTQAGSINIWSNKNKSHLTRDLQDHLEAPA
CFRQNKQKMSVGRSMREFLEGCKETVAMADCSSNFDSVPVSLTPRGQEILTQFSNIQDYGL
DSAPFTHPGKKNQTSSTGSNNKIQVQHSSENTADNQLQTTTATTPFGEKLNQWSPSTTK
KTATLKKFKNLNGSIDNASGGGEESYVSTLAPDSYNSDNDQFQFQPENSVLKCEDLVWE
TKERNFENDQKERKSRGRIQTSSHDDGTSTKIRCRKRKFRSSDYFRNRAPAGEPENNI
AWSSEQGSKETDTSVELIHVTMPDPLKKGSDSTRPYRKSNYVTDWVPSNGLQSLSEDFLK
EEIWDIAAPDLQTSSTMPKSI

>comp6770_c0_seq1; 206 338 895 LEN=1369; translated
MTEQQQQMATSASHIETAKNGLFNKMFASCAPDPRGSVHRAWGISLLFVVVYFSLSIFEM
VSLHQSGDASIALVIAVWVTGLIHLALGVLGTFVLKRFPTSFVSGFFLGVLVVLANQNIL
LYASFHKYTQGSARANQVFASLGFVLFVLAFMALLVHFKNVVI SPMETMGDNDEEQV
NNTSN

>comp6771_c0_seq1; 298 387 950 LEN=1177; translated
MQLVIPIEDTSSGKCSNHCVEQQQELESASGRWEPRNNGSILSKDLRDQFETMQSVWRQ
ARRDGEDVDSSSSNNSNRERGGNMRSELKRKERETAVETAIKVDREIAFWQEGEADLEAL

LAAEDEQVTNEEGASAAANNQHAVEENGPPGIREISFVRRNHLQAPVRPAQIQFFFLPPAI
PTEEESD
>comp6773_c1_seq1; 119 1 1329 LEN=1329; minus strand; translated
XTIVLYRKQQQRHAQTKHRIVFXESFLILNSSNRVVP CRAVPADRSIAKARNGPPAPPT
LPTNSTRLEKRVAGVLQLLHDLPHRPVQLLRDPRLLLRQRVEEGVAQLAVDHHVHRRIV
RPVGLRVPARRLGLRPEVLLQLGVELDVLPGPEGDQRPDPGHRGIDQGLLHARHQGRP
GQARHDLDPDVLAQRLEPGSTAAPLMGPRPGGGLPEGPLAARGVHGGGVGPPGPEPEDAHV
PELVDPDRDRVEIEELLADDRDTGGRVVRDQHQPVGLGLVPDNVQGP HHVAEVGPIPRRLER
LDKGREALQLALSQQPLPLPHLVQAERPSPDPHQPPALKVRHGQHRAVSLRAVHGRLVQELQ
PPFVDDPVQDHVARGLLQRVHRHPRHGPHRQEGFPAGVEAHRRAAQGRLVPAHLDAIQA
LARVGGIDQADAGSPRGPAGGNRP
>comp6777_c0_seq2; 42 1 887 LEN=1264; translated
XFETRAKVVVYLCFGVLAEDVTTQRNGVVSLGFFSYDNDLLFVERESFLRFFDAVPLRW
SGFHLCPNNPAYSIMKALLLTVIPKEMRRITRIHSGTNLECDYSLRCFGVPTEDIPTTC
TGKVKTKHLAKWIKVQTSIDDHRRMMARNNYNMYLTPATERIFPGIECPEVNCVLFERSG
RLASRHPGNVEFSIFLQEKAEAREHMKTLLQOTDDYLYRIQQQTVNRGFRFLAFDETDFWY
REINNYEVLRKHIFQAQRDVLKRTKAREALQLNKSNTTFVAGLDAKILQTDRRRE
>comp6780_c0_seq1; 667 110 1498 LEN=1939; translated
MAQPTSSSKSFKKKKNTRAPMLVKGTTAASLAKKRAAADREEASGTSRLSSASRKRKRK
DRASENNGNNGNNKNVFSSTAESLAVISEYHTLNKRLEQAENDES LTPEERQKIILD LKK
QQDAMGGLDRYQKASIYGAKSSKFVCADWVPLLKKLEKEEEEEERHAGAKTMTAKSQSD
KQSESNPRRLRILDVGAIDNQYFGKGYDDWLDVAVIDLHGGQHDTVLVQVDFDYAHEYCA
GKDLAVAKKEEGKTKKQNNAKVHRDASSVSPSPQPFDAIVMSLVLNFQGDPRKRGMMLA
LASDSRLLKSSSGDNHGSSSNRTRKGGGMLFVVLPSASLDNSRYCDLERFIEVTTNPLFQ
LELVEKKRSSKLILLAFRRRTTKASRQQKLDDEQDAANQYGEQQKSNKGKKQKRDQNAHCYD
VDKMFYGNHEMKRLQPPKPGAKRNNFAVILKSCHNRTSNK
>comp6781_c0_seq2; 189 1 1066 LEN=1066; minus strand; translated
XSAPSQIELGGDQRQLLTGGSQQGRDSIGIIRMAVSLPRSR LIVFFLNICNAVAFSRKM
NPKSPNSISIGNEGPKWCEASQIYIGVPENEEVQKLI EESNGSVKIFGYGSLCWNPGA
DGGLSKASQTLGRVKGYKRVWSQRSTDRGTVQFPPIVCTLLTKDEYHSVVESVAKGSGS
DEGALSPIDGTHDNETKDYAESMVTEGVIFSVPPPELVQETLAELDFREKGGYARDVCEVV
EEGSDKTYRALLYRGTDPNPAFSSRCLVDLPFSAAIMSASVGPSPGPNDIYLNLDGFLDR
IKNSAAQQDDTKTLANMVRSFQKGYQLYFLTGGGSNQHNQLMLNRP GIPSLIAAED
>comp6785_c0_seq1; 691 1 2062 LEN=2153; translated
XGFRVSSHHPFTSSPPSSLQRSGKMNTKKGDATDGGAKKIGFSLATNKKAQNRATSAAL
SGSAFSDDEDQSLDEGNDVNTDIPKPLVIPKQKDSRQSLQE QARARRQKEAGHPDVE
SGDVGNHDAARRAESKSAGVEVPVKREENTQ EADGNSSDGATTDRDRAAIEALEREAAAA
QGGGHDGTVSGSSQKRVI AVSGDTFQRQRE RERERIDPTKTEDQKKLDEDIEDLPPDISVK
SQVYKKVIPGEFGAAML RGMWGTGGDNSSNKRKNNDATMPRP SRLGLGATPKMFATGD
APDTHSRRRPRRQDQVQREERLQQQQEMEKERQRLALDKQRLVQIGSIVYVQRDGRS
RKEQLPRARIKQLAGVPLNMI LVQYEGDAAPT KTKKGSIELVDRSHLNERPFQEAEDR
RKSREGDRGERERDPKRSSRGDCSDGRRRDKMGS RDRSYRASDDYEDGRDKDRERDRDR
TRDRDRDRERDRERNRDR
RRGDDSSKRHQSSRPSGKTNSGSLAFSESWLTPNIRVIVSSKYGRSMYKEKGVVVDVTR
NGVATLKMSSGQVLTVPERHLETALPKAGGNAIILSGHQRF SKGQLLERDGGKKNRGVVQI
FEDMSVVTSLDDMAEWCGLDDDLAH
>comp6786_c0_seq1; 403 155 1480 LEN=1582; translated
MTIKTLFFGSLLFATAVPIAGFSPPCSEVSTYRDRKQQSPLFPTELKMSTTENKVTATSP
RAPPRTGLAQTLNFALESPLWKLILVPQARANIVQTAEANEIPWTA AKEWISQTSLEE
LDTALNEKVSSSSWSSSIPPYYQKAFHAYETGNLSWEAAFEVEIASAAVGARNFPEYGAKG
EDAFRGAFESALTEAGANVPNSEGGDVVRIIDFGCGTGMSTRQLAQNFQADEIIGVDLS
PYFTTIGKRILLELTPSSFLEGGPVVSTIQSDPRI EYFVGDAAKASQLEELVGAEGTADV
NIQFVLHELPPDASRDMVDEAFRLKTTGGQLWICEMDFESPGYAAQRANPLLFSLIRSTE
PYLDDYAESIADLFSYIQSKSQFLTVPATGRHFALVATKGEESMDRIEGVMKDLRFDKD
GNYRVEDTHLPTFKRKSETKS
>comp6790_c0_seq2; 60 1 461 LEN=745; translated
XMNMDMNMNMNMNMNMNMMPNNDNDNRTRVLRALLFYHVAPNVYRTQDLFCNGPNRYV
RMLRLGTSRTRCEGNRRTAQLGTCNGRGNIPYFTQORDILASNGI IHVISNVMIASPDGTL
QGCGLLRSRPTPNPTRKPTRNPNTRNPTSPF
>comp6790_c0_seq3; 3 1 518 LEN=518; translated

XMNMDMNMNMNMNMNMNMMPNNPNPDNDDNRTRVLRALLFYHVAPNVYRTQDLFCNGPNRYV
RMLRLGTSRTRCEGNRRTAQLGTCNGRGNIPYFTQRDILASNGI IHVISNVMIASPDGTL
QGCGLLXKPATDPKPNQEAYEKPHQEPYQKSIGKSNANADGLPVRNADGCSIVX
>comp6791_c0_seq1; 189 1 458 LEN=1133; translated
XQTPARKTTRFLNLVQNYSDPFTADNSFKNMFVGRVLAASRVAVRANTSLFTGVRQAQ
AVRTFAASTFLDPAEVSGRVTDVIKFNFDKVDANKVTDTSKFTDDLGLDSLDAVEVMAIE
DEFAIEIPDAEADKILSVADAVEYISSHPMAK
>comp6791_c0_seq2; 231 137 502 LEN=1177; translated
MFSVGRVLAASRVAVRANTSLFTGVRQAQAVRTFAASTFLDPAEVSGRVTDVIKFNFDKVD
ANKVTDTSKFTDDLGLDSLDAVEVMAIEDEFAIEIPDAEADKILSVADAVEYISSHPMA
K
>comp6792_c0_seq1; 457 114 1037 LEN=1398; translated
MKLSLVSFFAALTTLADAASHGASRTTAPWGI PRGGASSKYASKLDAVKEQVLA LASTLPSIE
ELRKSIVNESTTTVEDLGLKADTIVNKALEEFASSAPEGDDSDVYEAKLEQIEAALDAPLQ
VLYLKQLALLREQALQNYRAASKASGGGTSEYEAMLQADAFFAREAERSTRDEVSDASEA
DGGWDFTGAAALQTMNRLAESGQKATEVQMKSAQQQTAMQFLQSQQQMIQQQLQMQLY
GQSSPWNVGVAYRIPDTNFNLQGSYQQGRANVQLSCVPDEYAPFLGPNGFTNGVGPGLG
LSLNL SV
>comp6792_c0_seq2; 188 114 359 LEN=610; translated
MKLSLVSFFAALTTLADAASHGASRTTAPWGI PRGGASSKYASKLDAVKEQVLA LASTLPSV
R TICNESHKMLETESDAVGAI
>comp6793_c0_seq1; 377 1 2236 LEN=2403; translated
XGDAASLDWHPRWPFVATGGSGDRFVKVWDLLESSLDPIVSSQNDRHSKRNNPRKEVLHH
HQENSNTHGSTKSSSSSTYSASSGESLHSSAGGASLSSYGPPNKWDLTSRSTASAWSMGG
RHHKSTSSGFSKYVLSISASVTQVRWRPPSNDFGPNDKNSDDPNQNETMVDRHDSMLAVA
TARLTSAGSGTSLWSFHRPFMSLSIVEGHEESA VSD FVWVTRTPQTVPHRKHASEQQEH
DRMGFKHLASESSLALTSSQRLRKKSWDFSDLDYRGDEQATEVKSVSYIWQNVLSVGRD
GQCIMQSFARGERRIRHVPSSCFAMANLSPFQEGYGLQCFSVYQDVPNRAEDDFMLTGL
RQDEHTAKAPGVFFEDLQKHLVNKKKEVEGVGKRLPVLVPKLRFVLDQGS LDANGMPI
ENEEETLCIAPEVLHLSRFARLYKMPDNQCQTRVELCLYNSTIAEQLKCRPLARMWKT
ATLLDASGLDELPAHDSASPANAFQFVIFPTVKSLLEFERAEAGDVQTNVALCEVLQVVD
GGEKTRIPGLGIRLVREWYLSYIDLLHQMCLFSEAAFLIKHSDPAIGALSQQSTTFHES
CPRCGKPLDSTADTSGANGVSNAGSSGSSRQVCKNCRRRV GICFICHEPVNGVFWCPCG
GHGGHLEHALQWFGGLDGRAVRTVCPTGCGHKCNFVQFASTFPRTMSMALSDSSPIDHTT
LAIPGHQARCOMPATSSLYNLDKTF
>comp6795_c0_seq1; 471 68 1402 LEN=1414; translated
MDLKSGVSPSPSTSR IETVEREENTVARHVPIKGRRRNLGRQARKRRKKYLEIEAAASAF
VAAAAAVTACTIENQSSNPESTVLESATNPQNEKQKSGSSNIASTNCILPTDRSYILDDV
RRRTMLSENDRRDLIQQLGYLPGNALQVMARVEDAFSTEDLQHI IAATVAGSKTSSKNSP
NATATMESSTNCKEIKTNRKDPGMTARMVQTMKPEPLVIKLYPLALRDESSSTKRRRKR
REEKEDLSTSSDKELDVICQGTSKTVREDQSIHPAASAPHTIPLMEPFPTIYWVTHPLI
KALISKLELDKVNVRFEQRLLEIRERKAPEKCKYKDNSSSSSLES MKCAHKS YGRERRE
LLSEQHREYVKKRRWYEDSISSNNHDSKMTPTSKAPFGDGC GVAGIRNPRAVKCLHAAH
HYWSGNRDNLVGYWVEQELKKRRRT
>comp6796_c0_seq1; 331 178 1314 LEN=1971; translated
MDDFNDSFVKDDVVFDESDAWN AEEGVDFPFQIGAACA EKLQSKKLTADPTVSTDNQSTR
SENGSTVKSNTSSALPRLMINFQVHEEISSSTAHL SNEQEGASDVQIQGTLMEVFFGRMK
VSLSLFDGFDQDSDRIGTLPNPFPSQFQENENXAQVSSDALKNIPFLLESKTRKQNGSFE
FIPNNVYAKGVGQDENNFKNMSVVTIPKEVLGFVNVGTYR IAQSMEHMPLLLEQKVLHS
KSTIKVAIQVRSKLSNPDDLSEFSIVVFIPSAVDKDSVTIASNGEFDSFKRCITWGMEM
LPKGESFMVSAKCALDKIFVASQGAKVLEELNFPVMLRCSRKDR LGSVRFETMEADGHPA
TISSVVGKSYRIVHRLN
>comp6796_c0_seq2; 391 178 1194 LEN=1851; translated
MDDFNDSFVKDDVVFDESDAWN AEEGVDFPFQIGAACA EKLQSKKLTADPTVSTDNQSTR
SENGSTVKSNTSSALPRLMINFQVHEEISSSTAHL SNEQEGASDVQIQGTLMAQVSSDA
LKNIPFLLESKTRKQNGSFEFIPNNVYAKGVGQDENNFKNMSVVTIPKEVLGFVNVGT
YRIAQSMEHMPLLLEQKVLHKSSTIKVAIQVRSKLSNPDDLSEFSIVVFIPSAVDKDSVT
IASNGEFDSFKRCITWGMEMLPKGESFMVSAKCALDKIFVASQGAKVLEELNFPVMLRCSR
KDR LGSVRFETMEADGHPATI SSSVVGKSYRIVHRLN
>comp6798_c0_seq2; 241 917 1551 LEN=1551; minus strand; translated

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MTSDNTEHERRSPSILPSTFGNMNSSRTNSQNLVYHHQAKTPRWVLLVMCGTIMLSWFR
AVQYRTISYGILSSMDTELESIEFQKRQSTRLWKDATDTKNSFAKQHWKLLKKTQKNFQHE
TRMLEEMAELEAASDNDNIEIPEAAREKFQNR
>comp6798_c0_seq3; 241 502 1136 LEN=1136; minus strand; translated
MVMLQRQQAMSMRRQSSCPGMLRNQQSNYSHGGSFMSCAMGDDDDNGSISVVSSRQSSSFSS
MTSDNTEHERRSPSILPSTFGNMNSSRTNSQNLVYHHQAKTPRWVLLVMCGTIMLSWFR
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>comp6803_c0_seq1; 265 1 767 LEN=940; translated
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FDLPGPSSDNDIVEMNSFIVFPNGKRRDIQMRGSRGSLQRSSMRLESTAGDGPITYIITE
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HQVWRFSKQDESSWE
>comp6806_c0_seq1; 149 339 605 LEN=818; translated
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>comp6806_c0_seq2; 149 122 388 LEN=601; translated
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>comp6808_c1_seq1; 233 1 1222 LEN=1409; translated
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AGNPAFGPTPLLFGRFTTLRSLFRDANLTNRDLQTIWFELPGFPALAKLSVARNPAID
SFRQATARPTAPGRESASPDAVVAEAERGRPSNLKSLEILHTKITWTKAEVDSLWVWLE
TIGASVGTLDVFSWTPSPRFDHPRNPRISHLVERTRTIEYLLARNATNTCSMLTGGSAFE
SGAGENANSTGTGGTEAIARPRNVGGPPRALWLSLALARAYARGYSTFSESNGTFSVQAS
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>comp6812_c0_seq1; 313 1 620 LEN=620; translated
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DVERQREIDELQMEFDMARDQILEIERQQQKREEREFLLGGLGGEHGAANKSNRFLLSPS
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>comp6814_c0_seq1; 913 287 3544 LEN=3781; translated
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FAMAKLMRTIARSKQSVVIVIDDLHYAQEHVFEYLKGMVLDDRNKSMVFLGICRSIDILPS
DAPITKFLRGIEDSSVRITNIELENLDFHDVEDMVKDCFLRSHEQITSLSNFMFKTSFGN
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LMVMACLGSCSTLNMIQEQALQYVSDAITQLVKRGNLKHANMNTYTIRSNVQAEACYSL
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RAAEKATVSFSFREAHDYLSAAHSLGSPSHWIDAYKLSLSLYNNLAETEFILHDGDRVDS
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IIRPSIAPFQYSFEILREGHRVGLLSDIDCAMLNAHLQFGLMMVMTDGIKVVDIIGSMK
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MCNLKSFLLMAGQFQLGLDATAFASKTVLNSITMKTQDSILNGFLLYVQGLLTFGAARQQ
TNQTIIRNKLIRRKRVTVMVMKVFTSKNPTRFGGQLALLEAEFAALSHNYTLAKQKYTEAI
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NNMKE
>comp6814_c0_seq2; 672 287 2875 LEN=3873; translated
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VELLRQKIQHEGGYFCTGTVDQFNQRGPIAPLADAFADYVQQLFNQGDPIEIEYETQCRIR
TTIDETELERLQGIVPSLKRLLGNDTIKSIQYDSEEDYVDIKHESDIQDENMEKRGRCF
FAMAKLMRTIARSKQSVVIVIDDLHYAQEHVFEYLKGMVLDDRNKSMVFLGICRSIDILPS

DAPITKFLRGIEDSSVRITNIELENLDFHDVEDMVKDCFLRSHEQITSLSNFMFKTSFGN
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LMVMACLGSCSTLNMIQEALQEYVSDAITQLVKRGNLKHANMNTYTTIRSNVQAEACYSL
IGEDIQPGFHLEIGLRLMRYLPAEELDDNLFVVRQMQQLGVNLLQAQDQETKYKVAILFV
RAAEKATVFSFREAHDYLSAAHSLGSPHWIDAYKLSLSLYNNLAETEFILHDGDRVDS
LLSDIDKFGRNLSDKLRAYTTMVHVLGVRGQKIAAIDKGISILADLVHLPVHRSAKFV
LSLAKIERGLKRKTNEMLLRLPRMEDEKQSRAMKILNLLFVYSFEYCPDLFPYVVFMMK
ITLTQGLSAMSSVAFAGYGALLCLLGKVDHGQRYGDLALDITNRYSTILFNSRCIAMVYG
IIRPSIAPFQYSFEILREGHRVGLLSGDIDCAMLNAHLQFGLMMVMTDGIKVVDIIGSMK
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>comp6815_c0_seq1; 633 1 1807 LEN=1905; translated
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RCVRSEMKNLTVVLAASADGMALKYAPKEMKNLQVVTAAATKQDIRAIKFASDELKNN
LERVFPFVLLSKCALESASEELRNHPLVMEAVVNWGGKWFYFPSEEVMEELEILTKNPMELE
ETASEEMQHNFQVASLAVAKNGEALLFGSLKIRSTPEVVTAVTQNGAALRHANPVLN
VQIVTAAVTQIGFALDYASEEMQGNKEVVTAVKNSGDALKFASDAMKKDEEVVIAAVTQ
KGGALRFASNELRNLLKVVTAAVKSQAQALMFVSNELTSNMDVIMS AVTKHGHALAYVPE
KWGNNAEIVTAAVKTCNWVLGQASEELRNDLVLTAVENHGKALEFASKELRSNLKLV
TAVENYKALEFASEELRSNLKLVTAAVKQDGNALYASKELRTNKQVVMIAVTQHGAL
QFACEELRSNMSVVTAAVKQDGNALQYASKELQNDTRIVTATVKQDGNALQYASKELQNE
A

>comp6816_c0_seq1; 772 1 2151 LEN=2240; translated
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TSTSTIAPWPTKMVESHGDRDEAWLEELAHNKDTTYKNQSSLPQLPVPPIEDTLRFLP
TALPLAESEEEKRALENAVQKFPQAQKLERLLERAASVQKNSWLQHWNTLGYLQVR
DSVCINVSYYFQFADDRTLGAGKSGKNSLQVQRAASILYATGQYRNIVASGR LAPETLGR
KNIPLCMTAYKMFHACRIPLPQQDSYRIYDPHYYKHAVVARKGRFYKIPLIDESTNEVL
SVESLEGHLSQILELADEEDSKTEAPGLGYLTGDHRDAWATARAALLELPGMAEAMEVLE
SGCVLVNLLDDASPSSRAQCGKQLLCGNGDASNRWFDKSVQMLMVCPNGKAGLLGEHSMMDG
MPVVGLANHIVSTTYQARDESTTGNNGLETFFGGVADIFGSIEMTPKVLEMIETSKGNFR
EWTGKHDLVQSFQWYGSFGFMKSGFSPDAYVQAMQVATARLFGKQVGTYEASQTRVF
RHGRTETRTVSPASAAFVQSLGRNGGQPLSATDKIALLNKACKSHARYIGNAAKGLG
VDRHFLGLSMLVRDGEAAPDLYSDPVFVRSKWRVSTSNLTHPKLDNWGYGEVVPDGVGL
SYSVHKDRVIFGITALKEHGGWPERLSQYLEDALVEMRLLVEEAAAASDAAPPTRSKM

>comp6817_c0_seq1; 333 1 1084 LEN=1084; minus strand; translated
XAFARAGGKEYVVASDSHRSLEYIIQHFPDPVQRMIRTOGSFVVRSSWKWPAHMLEKHHR
VNSEALVDVLAMSKCQFLHGNLSAISEAAIYLNMLNHNQSVNWEDPHRLSPVEFYSMVEQ
VLATSSGKVSKNANANEVRAEKTSVKIDAKISKGSQNHICKRNAIVYLGQKNHSSYDRNS
FNSLLESLELMNTNYLSLNNHQNTDVI V FHTADFTDNDMNLIEGRLGSKFREALLYFIDL
YNTSYWRRPSWHSQDNPHDWYAYPLFSEGYRQMMHWYAIWIRFFEDYRKTGHCLYEYIM
RFDEDSFLRSPVKYDVDFDMKENDFNYGFR LCSYEMQVTRR IWKIWRNLKGS PAPIR DID
LD

>comp6821_c0_seq1; 414 368 2878 LEN=3159; translated
MDLTCVICTENFDLKEHIPVVLPCGHTYICRVCVKKIKICHQCREPLYWTPPRPQPPHS
ITNHPHRSPATGRYSRYNNRYSHTHSPSTPPHPGTGVTKPEEIPPCPKNVVLMVEIEAK
QRQERLMAEQKARKDQKRKEQRDEKERKRREEREEQKRLRASRQADTTPGSYRPGTHCDG
QLNEIEVVDIEGDQVKNHVCGNDGQSEEEEDYDYDEISSSSSTLPLGDPPELNSGYAA
LSGTCGTYAVREPEGLVVLVLPYDTPRPHHITSTQQRERQEPMSDEKKEDEFEDISRKF
SSLFTDNAKSSDAAIALNDNKGSCAGSRTREPFTIEQGGKQVQVGVLESNDQGVQQLAR
GRGYVVATTKQLVKGAVNENFIRHCITTHCFLGLLLIIPFWFVLGSCGLFALVFSVISHV
FGFFSIQLDGTTCIYTRVHTHMILAVGGPMETSCKLEGLMLQSVMGKQQLHKKLNQVTDL
SMMLRKEIILEQDKTEVPVITPSIQKKSASGTGVDEKNGDAHPTTPTKRLTAAHSHSPA
EGSLGVTSIASADSTAVELGMENRPTPCPPSTTASGSYVEEHPLAAAYNRQYHPPQTNH
YAYS PAHSCPTPTNHVEAAHLEQPFLLDDSTYSGVLRVNNDDEMSGMGWAGVLGCGS
SLFGERLLQPTQREADAAGTIFHSTANVNREFLGMAENSLIQNSNVQRAEALAQVAAAG
ATTSLRQHRTLESSGSADSPLRGGSF DAGVGGSVNFRGGYSNHGGLGRTRRNLYDQQG
THNRNASMTNAHHSGESHEPRRQLMMSQMSQHRGVGVASIQRRGLNADLVQMSSSR

>comp6821_c0_seq2; 668 368 2665 LEN=2946; translated
MDLTCVICTENFDLKEHIPVVLPCGHTYICRVCVKKIKICHQCREPLYWTPPRPQPPHS

ITNHPHRSPATGRYSRYNNRYSHTHSPSTPPHPGTGVTKPEEIPLPCPKNVVLMEVIEAK
QRQERLMAEQKARKDQKRKEQRDEKERKRERREEQKRLRASRQADTTPGSYRPGTHCDG
QLNEIEVVDIEGDQVKNHVCGNDGQSEEEEDYDYDDEISSSSSTLPLGDPENSGYAA
LSGTCGYAVREPEGLVLPYDPTRPKHHTTSTQQQRERQEPMSDEKKEDEFEDISRKF
SSLFTDNAKSSDAALNDNKGSCAGSRTREPFTIEQGGQVQVVGVLVLENDQGVYQLAR
GRGYVVATTKQLVKVGGPMETSCKLEGMLQSVMGKQQLHKKLNQVTDLSMMLRKEIILE
QDKTEEVPVITPSIQKKSASGTGVDEKNGDAHPTTPTKRLTAAHSHSPAEGSLGVTSIAS
ADSTAVELGMENRPTPCPPSTTASGSYVEEHPLAAAYNRQQYHPPQTNHYAYSPAHSCT
PTNHVEAAHLEQPFLDDDSTYGSVLRVYRVNNDDEMSGMGWAGVLGCGSSLFGERLLQPT
QREADAAGTIFHSTANVNREFLGMENSLIQNSNVQRRAEALAQVAAAGATTSLRQHRTL
ESSGSADSPRRGGSFDAGVGGGSVNFRRGGYSNHGGLGRTRRNLYDQQGTHNRNASMTNA
HHSGESHEPRRQLMMSQMSQHRGVGVAIQRRGLNADLVQMSSSR
>comp6822_c0_seq1; 447 65 1417 LEN=1450; translated
MQRTKRNCPCCSFDLDFLPDSEKKGKVEEDKCEDDDIDSPLLSSPPNISETFDRLVSAS
SGVENEGGSQIIIVDTHGHAQLDRGRNNVYELQIARNENSVNHEERKNDFGSRNENFHVK
TLACSVEPADFGITLKYAATSDSILPALGVHPWYIENLNFASMTSRNIDGSHGDDPENI
DDFDEIDSEWLLPMEKLLIEHPNCLVGEIGLCKIAKWVRTHPDGKARAMGIQKRIFKKQM
ILAAKLRPVSVHCVNSHGIFVAAIKELVEMQKNEEDTARAADNERHSGSRRFLLPTVIA
MHSFTGTAHHVKELLELEDQIDFPNDRFRTAMGKKKVPKDKKEKCSRIMKAPLTSTRPPL
FYFGFSHTVNYAMCTSEKSRKKGVEAVQAVPLNRLLVESDVHSDADVAGGTIGAISVSW
ARDIHPREIASATSKNGSVFLGSIGSSNGF
>comp6825_c0_seq1; 208 1 773 LEN=773; translated
DDDDDTPKTTRKQLLLTVLSNTSSPAKTTLDRHLNRLGFDRSRFIGAVTSGEAAARYIRE
TFGGPPAAQAERQTERQTKRFFVWCTWDRDNQNPDPLEFLELCGPGIEPTLDVDRADFV
VAHGSGAIRGVRDGGGGDRGLEVRSMGTFLDDGDLGEGTPIHGLLSRCADANLPMVCANP
DEVVMYHDGSLKHMPGKLAGAYERILRERSTAEGGEGTGERTPTIRIFGKPHREHFACL
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>comp6827_c0_seq1; 733 1 1581 LEN=1728; translated
LATKHTDERVHDHSPGLDKDLPMFVTVEEDFLLKDNISTCLSASENRSVVCCKPDPLLYSV
SQKAMALMASKTSKETITNDSNQKATTQNFILKRQESLRKMSKEGCRREPNASKEVAGS
NNERTVTDDKAPQHQLYNRVARKKVSSQFHRHSIAQKETDDNKSTEDTSGNEPMPKNESE
EKIQRYNNFAKTKDSNGENEEESNISNQPSFHRFKYSRFFKIGTKPTSPIEPKREQPSTL
RKEGSHNAGAEDKGLIKPSNENKDDNEVGKAAPHRFKFNRFTKIDVAPTSQTEPKRE
DVGNTDTEDDKDVSIKASTGNERKVAKSKVAPSHRFKYSRFTKNDTALASGVQSIREHPS
RSEIVLDEKERADSEALPLSEKKERNQMNKTNDSHRFKYNRFTKKDAPLDQTVPEKKESE
LEDDDTAQFNAKQKQNKTDASLQSLGLKCNRFNKKPLNVDSKEIQDGLDRTDDENNEALT
ETQEAQTSNSAEQPEASSQPMARSMSIRERRKFFESQSKNYQSSRF
>comp6828_c0_seq1; 141 1 863 LEN=982; translated
XRVWPLPEARRFDSVAFITFADGLRFLRALSREPRGMPACVRLLDNAHFRLGQALRPDEA
SWLGRTKDALSKSLAHAWLGKDFGPDIVCATISYEGSASEVREQMAAVSRLSRAGGGVL
LGPGVGRAGYELTYMIAYLRDFAMTYHVLGESFETFVPWSRIEPLVEATKARIAREHSSR
LLPGAPFVGCRTVQVYHEGACLYFYLCMGFEGVGSASRVYSELERAADEILAQGGSL
HHHGLGKLRASFATRSSAAFRSALVSIKDALDEDNVFGARNGLFAA
>comp6834_c0_seq1; 226 684 1544 LEN=1544; minus strand; translated
MGVGGMVVAATAAPVVVDRPLEVGHVVVALDAPLAGLALDAPAELLHHGPMDDPAVDQV
LVLGPVQEVPHLGLDPVALVGRPVEHRRVLLAADLERARVLPGLPVDLDRDLALDDDG
GLPALAELLGGAQADPDLAQVEGPPDRHDVEEAVLAAAGPVAGGHAGVLFVVRQRQVQQL
LEAVGPGERRGPGPGALRGRGHARDVVEALGPLLDGGPRQLDLAVHAGRVGVQDRVPG
RPEGDSPGVRVDVQHDDPLRIRRQGDLDVAVGDEGNVVAEVDRGSLDN
>comp6835_c0_seq1; 190 1 378 LEN=566; translated
QMNGQMNGNTKNQTNRMNNGNSNNQMNGQMNGNTNQMNVQMNGNNEKQTSQMGNG
GNNNKQTSQMSNGKSDKDVQMSRRRRPSKIPTKMPVQSPTFHFGNSSVRGHAVGVSLTA
PPTSQ
>comp6835_c0_seq2; 326 258 693 LEN=693; minus strand; translated
MKSVALNWHLWCYFGRPPPARHLDFIAFAITHLSTRLLVIVSIAHLSTRLLLVVPIAHL
HIHLIVGVAVVHLVPHLITVVPVIVHMSVRLVIAMSMNCRSIVLILLTGAMHSVHLIAIF
AAAVVAAAPLATADVAAAIVVVVVVX
>comp6837_c0_seq1; 353 1 1755 LEN=2516; translated
EEEEEEKQQQEHQPACRRLLVLFVVLIGVVVRKANSAPNPSKEPSTCETARNSTLPHQY
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FPSGRASQIHGFGGAQQTLRGALAEFSPADGSLLPVPLRLVPEELVAWGQAPKTLEILVS
EAI EAETETETKTLTGPAPEKCGAPSRFFRRRTVTVLPAVGCGLDSLDIRSEEHPCRE
SNSNSNDDDAFEWNTSDPIVHIWNDETNGVGIIDRVVGPAAATPAATKPAASAAAATTTTT
ILLETTFALPGSHRLRVAFGLDAASDRNGNCRYGLSSSSPIRVHLERWYDTPDPFSVQGA
ARNAEDVNGHLDAATVACLGLGADKQQRQLRAIAAEPPIREAAGRGETVDLALFGRGLGIS
GRDGSDDGWSLDVALGLPFPPEEEGGGKRAANRHRNDGAARVPGTVLHAVLFRNETASG
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PEAIRNIPRGNLKNCRDFSTLSHRGQGNPEARPKCEASFTLAWK
>comp6841_c0_seq1; 261 29 598 LEN=1118; translated
MASDEDKNRNEGEQPGTEAAAE T GKTTAMVDEPLPRKVYQDDFRPGRGNALQA AVASVFG
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LRGKSPRGPF GHVVIARTSVSGPECVHRGAVFEMVHDPHPDESFLDESEPFGWCMFFTP I
EEQATQLTS
>comp6842_c0_seq1; 459 379 2163 LEN=2330; translated
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KGIDALPDIVEPFVEQGLKASAA RNKGRKGDPELPDIEASVQDLKSLVSGVETVGLFTV
VERGSAAFEGLRTNGELSKNMFLSIQEF AESIESVSGSVRGLKRESMTAKSYLKL MGPMK
TVAKDAWRCLRLSGLMKDFAEQVGR LIHWIIALFQTASAKLGAIW GALANAKDAMAGCLV
YVTESIRLCDDSKTKSLLLRDTSRNIHHHLSNILKFRKTGAAKAVDSLRELADGDEILLC
IDLGTNIDDMFTDCVEQVVATIDQINGAIVKMPDVLTRDVP ELACATNCVEYDDEIKQCV
RGTTNPPGIRATASSLNVD D VRQLKSIQSSIEEASPLTVIHR SADGFASVGSTIETCGN
MISTSRGFAKTCQTSIESFTNAEWDLESARGHILELVAVRDAGVQMKEFVHGVL ELVRAN
LALMKAVRSKSKGVAGGAESTNIGSLVGLATEVDIDDLQAIGQGIQKLGSLFK
>comp6842_c0_seq2; 554 42 1937 LEN=2104; translated
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RETSGLCKTTIDKANEMVAFGQELQTTLDVCKSKYKSRGASGAHNSKGIIDASKFKIIQ
ELVEGEKMQSATLLAKELSALSLECVDKSKAMMLSMEKGIDALPDIVEPFVEQGLKASAA
RNKGRKGDPELPDIEASVQDLKSLVSGVETVGLFTVVERGSAAFEGLRTNGELSKNMFL
SIQEF AESIESVSGSVRGLKRESMTAKSYLKL MGPMKTVAKDAWRCLRLSGLMKDFAEQV
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RNIHHHLSNILKFRKTGAAKAVDSLRELADGDEILLCIDLGTNIDDMFTDCVEQVVATID
QINGAIVKMPDVLTRDVP ELACATNCVEYDDEIKQCVRGTTNPPGIRATASSLNVD D VR
QLKSIQSSIEEASPLTVIHR SADGFASVGSTIETCGNMISTSRGFAKTCQTSIESFTNAE
WDLESARGHILELVAVRDAGVQMKEFVHGVL ELVRANLALMKAVRSKSKGVAGGAESTNI
GSLVGLATEVDIDDLQAIGQGIQKLGSLFK
>comp6848_c0_seq1; 344 102 1046 LEN=1832; translated
MTTNDGNSRSPKAIMARLLSRQPSEYETASPSPSPYFSSVSPRVAKMFEILELRANFPQK
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AIRCFPNVICRRSSTISRSEYNAPIEAQITLQSVAFPLPLARLGLIELGDGTTFATEQRGG
LVPPKATWCLDNQSSPFDGLNYHLRHPDSRHLRNNQTSTNSLVRL LAPHL SRCTNRHS
SCNVLFELATTTTELHDP ELSERIDKAFLAVIQKLRAENLFFQH DICGSSKSIYNRNNTH
SDWNMVTTL CATNPW
>comp6850_c0_seq1; 172 361 1332 LEN=1332; minus strand; translated
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NLGGIKYSAAPFNGWFV SIEVARNLLERYHVTEPLAIAMNMNLSDKFLAQKVS AELES AI
IHSFEKSDFTIVDPD TVGH SFI THCKRERSAGRECPAQWSSCFSGPTNPVWHLEMRDFR
VVPQFEYCCDPWRVLDIDGVSGTKAIDTTGHILSEDDFSQKVSMP EVLIA YGSETGKAEA
VANSLARTLKF CRPTVLTLNGALE
>comp6850_c0_seq2; 120 361 1102 LEN=1102; minus strand; translated
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NLGGIKYSAAPFNGWFV SIEVARNLLERYHVTEPLAIAMNMNLSDKFLAQKVS AELES AI
IHSFEKSDFTIVDPD TVGH SFI THCKRERSAGRECPAQWSSWIGGLVGKTGTNLDHFLFDH
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>comp6851_c0_seq1; 341 1 1397 LEN=1615; translated
XNGCKLIRSSLGLVFQVLD SWWIYHDGVRFLPIPSLILPLFYFRYCV DGGKVDITDTTKE
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LLRVLKNDFSRYMELDDEAIEEEEESGWKLIHG DVFRFPENPGLFCAAVGVGNQLIVTTFC

HLGLALTGLISTTRRGSLLAGAVVLYCLTSFVAGYSSIRMYRQMNGKNWVRCILLTASLF
PAPTVAIFMWVNSVALAHGSTSALPFTTILTVTCLYGFIAFPPTTVFGGIVAKNYVPAEFN
APTRTTKVAREIPTEIPWYRSRPFQILIAGFLPFSIAIYIELHYIFASMWGHQIYTLFGIL
LLAFILLIIVTSFITVALLYFQLAREDHRWWAAYINGGMTGVFIYIYSFYFFFQSRGMS
GILQSSFYFGYMAVVSFGFFLMLGAAGFQFSLVVFVKYIYSRVKCD
>comp6851_c0_seq2; 742 123 2009 LEN=2227; translated
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SFDDSVWRLLCKKHMLPVDIKKLKEAIHNNYFFEMFVEDLPMWGYIGDIDNEDMIVGEM
QDSKTFLLPHLNFILGRNNNQIVSAKVTDTTERKVDITDITTKELHIQFSYSVEWVDEPDL
VWRRRMDRYVDSRFLPSSFEIHWLSIINSIVLVLLLTAFLLTIILLRVLKNDFSRYMELDD
EAIEEEEESGWKLIHGDVFRFPENPGLFCAAVGVGNQLIVTTFCHLGLALTGLISTTRRGS
LLAGAVVLYCLTSFVAGYSSIRMYRQMNGKNWVRCILLTASLFPAPTVAIFMWVNSVALA
HGSTSALPFTTILTVTCLYGFIAFPPTTVFGGIVAKNYVPAEFNAPTRTTKVAREIPTEIP
WYRSRPFQILIAGFLPFSIAIYIELHYIFASMWGHQIYTLFGILLAFILLIIVTSFITVA
LLYFQLAREDHRWWAAYINGGMTGVFIYIYSFYFFFQSRGMSGILQSSFYFGYMAVVSF
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>comp6851_c0_seq3; 657 82 2013 LEN=2231; translated
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YIGDIDNEDMIVGEMQDSKTFLLPHLNFILGRNNNQIVSAKVTDTTERKVDITDITTKELH
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RVLKNDFSRYMELDDDEAIEEEEEESGWKLIHGDVFRFPENPGLFCAAVGVGNQLIVTTFCHL
GLALTGLISTTRRGSLLAGAVVLYCLTSFVAGYSSIRMYRQMNGKNWVRCILLTASLFP
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TRTTKVAREIPTEIPWYRSRPFQILIAGFLPFSIAIYIELHYIFASMWGHQIYTLFGILL
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>comp6852_c0_seq1; 183 1 1119 LEN=1316; translated
SDDVLGGRSRILASPASACLVTSPASLKLVSIGTSNALVVKADTDTDTDAFGNETRASP
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STAELCNLFQAAPGPLWKALEGVHAVVSHCAPGGGEAWFRVEGEEVLKQORALVEFLCEE
DEDFEAEAGSDASLALGAVADRVGKRLAPLLADKGGPAMGREERSLAIARKTVLLASAPG
TTGGSKAWRDVDRRRFRPDASKIAFCVLRDLFSKYPSYAWSDLSEQWSSRLPLGERYERI
TSTTEWIEDPDLGGHGLVDPQLVFSPPSAAGDAGGGEGADRRTGKKGSGAGNNPKGVGLGL
VDPHAVLVWRGG
>comp6854_c0_seq1; 791 325 2699 LEN=2982; translated
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IHLNREAMESAHRAIQRLAISVSKKIEPKSKKKRKKVAPASALRDGTNPLPATETIVSPS
RLIQYTDTIENGNDDNHIEDIDTKEITTIELCRRLQSLPESKIGLDLSIPLRDEMSAAC
IDEAPSHPARFRCRIRSNPPVILATSTFESFRSKLFGVGIPIVNTILLHATRAEISWFLV
NGVNGKEAEELVLRDSPSFIKHAHVGRKLLVVVRPLRESKTKGDSYKADVYIFHNV
IQDFPRMPIVSPLRDGFIKGEKESDQKSMDTLRVCTYNI LADLYVSRQNGQDSPTTYSH
VKYEHVEKARRIPMIVGELMAYQADIICLQEVDSVYDAFLQPVLLTLGYDGYYSNKASS
QREGCALFWSRNVLLESEASSFQVRDLFRPSSNNEKDRGEWKSREIYQLLNSNRQLKT
VVVEKLGQILQIATLRLKNSSQEHAKEIVIANTHLFWHPMADHIRAMQVYVVAKKIDEVR
RKTNFDNSLKKNHPPRPFLLCGDLNSDPLSGSQLLCSRSLAPDQHECWKYLHRYKWDID
DCEVDENMEGGTSGEERRAEHRDGRCEQSI SFAKSCNASPPHIDLPCFPTIVSGCKESP
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IVCDFDLIRYD
>comp6856_c0_seq1; 492 95 1321 LEN=1405; translated
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VTLPDTSQPLNPQTYAGMIEEGLKKKFNETEIERVLT SWRLVDQGYRKEYVGDKIDASE
IASSNMIQECHSYVPLSIIKPFWDTKFEDWTQTLESRYTEIREEFDAVMGNMEKLQREGN
NVWAGALTEDASSYGEWKTLLVMDRGRWDPTNANLFPKTAQAIHASGAPATEIFFASM
GPSSIKTHSDFTNFVLTSHLALDIPYGENRCRLTVGDETRWINGKSYVFDTSLLHDAE
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>comp6859_c0_seq1; 361 1 1652 LEN=2030; translated
XLEDRFRGIAGGSPAAPLEKDGAGGGPGTEGSPGQAGPRFDRDRLSYLSQRIRAEEREV
FSDPSAVEPRGDRTEHLRSAYIEAETRRLWNFLQGGEDPCPDRTREQTAKTKTATTMAVE
TACDRVLVSARAVDQQLWPLTLSMVMIGLSVGVTTTAPFPFVQNLGLSTGEYGMVVSFAF
ALTKLFGNIPFAVLVETNGRKPYPYVTMIAISTGVGCIGLASGFEELYACRLVTGLGVAG
LSCAATMTVTDISTPLNRASSFAPISAGFAAGTALGPALGGVLIDQIGVNPTFFYLVGGSF
LMLGGVNSFLLDETLLRKNQSFQWREETKTESKTDDDEGSIKNAFHKALGQWVPLLSEAP
VRSVCIINGFYWVALAGSQMTLLPLVLTDPHGLAMTATQVGQVYMGMSFVQVFGNPLFAR
IVDRAGTVPGIVGGCSLISGAMFALPHATASGDLGQMAAVLGVWSAGSSLLSTAPIAHIS
DRVDDARRAQAIALLRTSGDVGFVVGASTMGLLSDWTGGLDTAMQSSAAILATATSWYCV
RSAMTSRQKQ

>comp6863_c0_seq1; 338 587 2137 LEN=2254; translated
MEPRTISNAEDASGIVGNAPRARVLSLALRSLPVSGCWAVPVTLSSDDDEFFDYLAVVD
GSPFLTAPPGAAGALRQTKQRSVTSKRGGNLGPKKTTMLFRSKESFRLGDSHHDDDTSYE
QYGNTVGGVQWRIAPHLTLVGNKQVADIVARGIKDYACDENGKICCSRSDSGVDTPKGVR
LLGESEIEPIVIQDES VFTVGVPSDEVITETGGIFFGLMTVDGARPTTLQQLGYDAFVMR
FGENEASLSSGSRKKDKSNTDPATLVLWNGKQNDGKTNPATPLVDPDFPCSMKLFDLTP
FGPNLHHYAVLCDFECRWVGNDSISFDCVQENGSNICTSPLKGENGVLSRPLIAVFD
GLSGCIFSDTLWEEVQRERRRRKHKNEAGGQRRGRGTPENPEESYPVGCTVRLPTISNAE
KSGSTPTVLPKSSSSHSSTISIVELSSISEHWRVQSFRLPWWYADSVEEKNGNASQAQERD
NNFPHVIVLGSTFWRNPNIQELAVDTISQRAKIETT

>comp6869_c1_seq1; 553 1 1514 LEN=1675; translated
XDGDGNGNGNGAAARSSVSDQIVKRYLPAYLLAVFSDWAKGPCGYELYSSGEYNYDSHH
AYLLCSVVPFVSSMLLGPVVCGLADMGGSKRAAVVFAIVAALGNVAKHFRDFRALVVG
ILEGVSASLLFTAFDSWLVRSHRGAPPETKPPATTISPWTSKAAPSLRLSRAFATAEYR
NNMVAIAASFVPSVATGAMPFQPLALPNEKGSTAVVYAGGVLNADFLLSTLALLCGTFIG
LVWDEIPTPEAEERRETRPGSHAEGAGADAGRRLPLWRRHRSLGGASFELLRSEEVFLG
GAVCSLFETAMFVFAVSWTKAIASRVDDDENIPFGLVFATFMLGCMVGTSVYALLIDETK
VRNETIGEGLLAVATCTFIAMASTRSATPAVFLVWFFLFEATVGVYFPMMGTLKSEIVPD
CHRTTVCNLYRVPFNLFMVAFLWVLEHRGMCPESCFCALCACMAGAAFFQVALGRCRETR
LLSRLSKQHEASFRDRGMQKAA

>comp6874_c0_seq1; 551 137 1732 LEN=1831; translated
MFAKLLVTALVWLINLSVSYGEDTADDNIFVGNNGNSTEDEFPIDWDYEAIIVVRWDIES
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PIGPGLDENVKVVTVSNKLNSTISQSEIYSEDSLETGTDASITYCVLFGWLWNGDGP
PDAMMINDMAVTVILSLDLGDDFKITGQNVAAKARDVEISDDRFFVEAFFCDETGKPTL
VAPKRQGSIVRVCVQPTKQAADVGFQMSIDFDFQAQGSTSQEASIDGKESNALTRLS
KEGAKQCFDFTVLLASFYESGPEGAPGQINGDGVATLQWGGEGVDRRLQDIFLDQSLEFA
TVESNSEKDYTISEQLDFDFERLLRDRTSQKSIQLPNFAVQIEEGSQRPPLKADVAKSG
KLNPLLIIVSAVLCALVVLVSLIYIHYTSPKVRKVEVEEGEDEENNQRNNSQTLPLPSPSD
EDASECECECEDNSNAFDHEEQRTNQLRLSVIDENPTGVFSARSVLSRGF

>comp6880_c0_seq1; 396 163 675 LEN=1354; translated
MKPDWDKLMDFADSPALVADVDCCTAEGKDLCSAHGVKGYPTIKWGDPSALEDYNGGRD
YASLETFAKENLKPMS PANIDLCDACKAEIEKFLGMAGEELDKLIAEGNKKIEDNETN
FKNEVSKLQAQYQKLMDDKDLEEIKIKASGLGLMKACAAHAAKSKGSDEL

>comp6880_c0_seq2; 396 314 826 LEN=1505; translated
MKPDWDKLMDFADSPALVADVDCCTAEGKDLCSAHGVKGYPTIKWGDPSALEDYNGGRD
YASLETFAKENLKPMS PANIDLCDACKAEIEKFLGMAGEELDKLIAEGNKKIEDNETN
FKNEVSKLQAQYQKLMDDKDLEEIKIKASGLGLMKACAAHAAKSKGSDEL

>comp6880_c0_seq3; 343 1 518 LEN=1197; translated
XAASIPNNSFPPLRDSFSFFLVLSILSHDAILRTHTIYLLFRRQPTIKWGDPSALEDYNGG
RDYASLETFAKENLKPMS PANIDLCDACKAEIEKFLGMAGEELDKLIAEGNKKIEDNE
TNFKNEVSKLQAQYQKLMDDKDLEEIKIKASGLGLMKACAAHAAKSKGSDEL

>comp6882_c0_seq2; 363 138 818 LEN=900; translated
MAAALPITKLAALVVKTLAKPLSKSIKNNFRENQAACKVLISIGQTNHTVTSYMTI WASG
YRVRSIKPIEAEKALKDGAIEAGESFVVAVTAATVIFEYNRSSKSAARKAEKREKRIED
QKLNALNLDIRLKAIEDLVRQQRIEDKSLLTQIVPVGTEKAKYVEPPKEQLVPI
IDNDEVDVSATGINEESDVKERQVAIDSSRTPSEKENDQKQSHSSWW

>comp6882_c0_seq3; 321 426 947 LEN=1029; translated
MTI WASGYRVRSIKPIEAEKALKDGAIEAGESFVVAVTAATVIFEYNRSSKSAARKAEK

RERIREQKKLNAKLNALDIRLKAIEDLVRQQQRIEDKKSLLTQIVPVGTEKAKYVEPP
KEQLVPIIDNDEDVSATGINEESDSVKERQVAIDSSRTPSEKENDQKQSHSSWW
>comp6883_c0_seq1; 137 1 263 LEN=263; translated
XTKAARKSAPATGGVKKPHRYRPGTVALREIRRYQKSTDLLIRKLPFQRLVREIAQDFKS
DLRFQGS AVLALQEAAEAYLVGLFEDTN
>comp6887_c0_seq1; 476 115 1215 LEN=1253; translated
MNPTEPPGTASTGEASSAAEPKTDTKTNPKTATPSESDVYDRQIRLWGAEAQKKMQNSRV
LYLHVTGSSEVLKLNCLAGIRAEICDPRPASALDASPCFFTHPNHKSQSGDGESESEP
ASKKPKYGSVALAVRPLVEELNPLLGSCPIVDKAISELTRDLKGYTVVVASQVPLSEVV
RLSQLLAEGSVLYTVDCFGMRGASMIIEFGKKDFCYRPEQGKLLDPTPIKDYVSLPDMVR
VPLHKATNRFHKKGPPPTWIMYRVLMEHQRTGKWLGDPSIDPWEAKKASEGFLAGEGVA
LTETELDDLVTAGVAQVPPVCAVLGGMVGNEVIKIISGKGEPANNTLLLDGGACKAWTFM
VKAKET
>comp6888_c0_seq1; 407 118 945 LEN=1177; translated
MSDRNLFNSNRSPLAKNDEYGVTELLREVSKRNSLSDEERKEVSEMVKRVEQHNAKPS
MDKMKKKFAELSVVNDMGSNRRTTKNSTVGESDDNGDDPRADKSVKFFANDLFQKFSNMD
TISAGQPKDPVFDGNGRKEFFRSLSMKGIQSPLKMTNSASTEQQTPSRAEGDRRPEILKA
FEQSSQSGKELLRNLSKKIQSPLSSVPNKDPPPSAAETA AVSEAFRDIQKIHSPIADL
PQKEAIDISNEDQKKNATNLNSIQTP TIVDFPEEE
>comp6889_c0_seq1; 295 257 1255 LEN=2042; translated
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SDPEKIASGNSSNDGSDLA AAAATPFSFSKFLADNDEPF SLSALPPPPLSTIERSRRL
VEIKLIECLNDGDDVISELWDHWYSERGSAKQKLQOSSGMFMDESKWEECEQNLIELVV
EHGIYFAEPVNLATLYFIQKRFDL SYKLCQVVLAIKPHHIGALSGIVEVALGSGDMGAA
RYWAAKRLPKHVPASVSGSDGAASVYDENEDKKSVDTPRRVEVWQKAVARAQDTLDQAER
RTKQKFFGEADIHFDSDGGGDTLLDGDDDDGDAW
>comp6889_c0_seq2; 295 257 1255 LEN=2204; translated
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VEIKLIECLNDGDDVISELWDHWYSERGSAKQKLQOSSGMFMDESKWEECEQNLIELVV
EHGIYFAEPVNLATLYFIQKRFDL SYKLCQVVLAIKPHHIGALSGIVEVALGSGDMGAA
RYWAAKRLPKHVPASVSGSDGAASVYDENEDKKSVDTPRRVEVWQKAVARAQDTLDQAER
RTKQKFFGEADIHFDSDGGGDTLLDGDDDDGDAW
>comp6891_c0_seq1; 171 227 439 LEN=778; translated
MTVSAVNWFKRVLGFGPYFRRRSNGLEGMIVASFLGVTSGIYIWKPILEEMEINRARREL
EERSASKERT
>comp6892_c0_seq1; 413 583 2115 LEN=2333; translated
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QNDANEIKHAYWIQRTIREAIYGRVLFVILKRRRPRSLVLS DGAWEVTRDHCAVKEMSL
EHIRREKDRLAEDPIKEVASMQYLNRRWRY SQQCSIQQHQLHQLHHDHMVIPPLOQADNN
SHADVTQSFFAMRDTNIMMPLDLLLDERNLYSIMPYCDGGELFERLDLNERFSEDEAAVL
DASGAQRKSDIREGIFPYGTVTCLALNASSMVAFFP SHAMDNLPLPSVKGIYTKRVFYVL
SYLLHLFCVQGLDTLQKVGICHRDMSLENLLVHKDGALI IDMGMCLLVPFCDEDPSSLAA
PLGNMKNMGESKLNQSTLPGRLRRRSLIRPQGTGKWIYMAPEICRNEEPFDGFAVDMWA
AGVILFLMLTGFP PWERACHTDERFHYMTAGYLVQMLTEWDIGLTSAMDLLQRMLFLDP
KDRLSLEQVRAHPWMIIRRQE QPLGLQRNM
>comp6892_c0_seq2; 492 583 1923 LEN=2141; translated
MNCVPVGLGSLGNNNNNIKCDGGLAGGNMSSDSSSSQSSSDDDSMALDDDSVDSSSWSPHI
QNDANEIKHAYWIQRTIREAIYGRVLFVILKRRRPRSLVLS DGAWEVTRDHCAVKEMSL
EHIRREKDRLAEDPIKEVASMQYLNRRWRY SQQCSIQQHQLHQLHHDHMVIPPLOQADNN
SHADVTQSFFAMRDTNIMMPLDLLLDERNLYSIMPYCDGGELFERLDLNERFSEDEARYW
MHQVLNGLDTLQKVGICHRDMSLENLLVHKDGALI IDMGMCLLVPFCDEDPSSLAAPLGN
MKMNGESKLNQSTLPGRLRRRSLIRPQGTGKWIYMAPEICRNEEPFDGFAVDMWAAGVI
LFLMLTGFP PWERACHTDERFHYMTAGYLVQMLTEWDIGLTSAMDLLQRMLFLDPKDRL
SLEQVRAHPWMIIRRQE QPLGLQRNM
>comp6897_c0_seq1; 179 1 715 LEN=829; translated
XNSNSNSNFTNGHGYENSGSRVETFDIAVFEVDPDHCTSRNCDLSKFGVGDLSHFNGGSY
SNLCKAGRNLNDHSVFKGHHTQLMVP IEGPMQDRIKQRKTARFSGTKERHYEVVLANCHR
HGRNVRVNGQVFDLVETESIANNLTRGSAAILSSVALVFLALSVA VRVRLGTRSDFE
RELYGLVPS TDDDG DVAGDGEPREPTEVEDQYEDDNDERGAEPGAGSPDLALANTRVV

>comp6897_c0_seq2; 120 597 1043 LEN=1157; translated
MQDRIKQRKTARFSQTKERHYEVLANCHRHRGNRVVNGQVFDLVETESIANNLTRGSA
AILSSVALVFLALSVVAVRVRVLRGTRSDFERELYGLVLPSTDDDDGDVAGDGEPREPTEVED
QYEDDNDERGAEPGAGSPDLALANTRVV

>comp6899_c0_seq1; 508 303 1391 LEN=2443; translated
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TVGLHIYKGMAMGLAIQTIMGPFNLFENPLVKAILMGNGFRPEDKIFEEKDLQELTESDE
VVDETGNVPIPKHQLLASSKTQKAKKSQSPEDAFAEELLLDWDAGNGADVSKFVSAVTKKN
CNQRSKGNEWTPLMILSGLTNKEDTASAIRKVIIGMGNPVTDKDGNCLHWAAPFHGSL
AAKALYDYDASLLDVKDNEGKLPLEMAQQEDNKEVAKYLEEVTATAAASKTDGGDEGIRK
RK

>comp6899_c0_seq2; 508 303 1391 LEN=2340; translated
MAGPANPPGQPKGGFNKLFVMLPVMLAARKLDAEDPQTVQYLRMAYGSMQSLCVLVVLYT
FMKASSIDDKKASNIVYIPAPPTPFADPEAKKKYTSSEYRAHVLSTARSLVGSTLFGICM
TVGLHIYKGMAMGLAIQTIMGPFNLFENPLVKAILMGNGFRPEDKIFEEKDLQELTESDE
VVDETGNVPIPKHQLLASSKTQKAKKSQSPEDAFAEELLLDWDAGNGADVSKFVSAVTKKN
CNQRSKGNEWTPLMILSGLTNKEDTASAIRKVIIGMGNPVTDKDGNCLHWAAPFHGSL
AAKALYDYDASLLDVKDNEGKLPLEMAQQEDNKEVAKYLEEVTATAAASKTDGGDEGIRK
RK

>comp6901_c0_seq1; 333 148 1422 LEN=1481; translated
MFIKKDLRKIPTILSDAVDCRTYDEGNDESNNGTKIKRTKREEPLRILKLGRRKQEFNG
CVRVLCQPEHFPKLGHLVSVNLYECDIHDLTGFGPVFGASAPNLETNLGRNPLSKGIPD
DFSEVKSLKHLWDDCKLAGALPRALLKLPNLESLRPLNNRITHLDIGEADMTNGSGSNI
GNSGKNRDDGEEFEYEWDDTAMKDASTTTNEVTPLKNLILCLDRNLLGTTDADGSRDGA
GEGDGTGNANPNTSKDAGDDPREAEQSGTSPARAVLPNLAEWFPALAEELLLRHNVHRR
GVRDWPEHLRILHLSSNRLESLSELSSGGLRSLAHLNLLGALPEGILSDHPGLRRL
VVSHNPPRLDLPVEVWERMGLLPRAAAGAVDEAPLPPCDIVWQPNPNLSAPAAGGGREDG
AMEE

>comp6903_c0_seq1; 392 1 1340 LEN=1546; translated
XFKTLTTPTPCQFLSLAVDPAGEIVVAGAMDPFHVYAWNLRNGRLLDVYTGHTGPVAQLA
FSGGGLLASASWDGTVKLWDMYKANVATESLSHNSDVVCVACRPDGKELVSGTIRGLLS
FWDTEGTGLKHELDGRDIAGGRKENDRMASDNNASGRYFTSVCYSADGSCVLAGGNSKY
VCIYEAQQRILLKKFQVTFNRNLDGVLDELSSKNMDFGVPVDEHAGDSEDETTYNALRLP
GAKRGDDGSRSSKVEVLTRQVSFSSTGREWAAVSGEGLHVYSLDGMVFDPI SLEEAITP
SAVKENLSLKNYSLALTMALHLNEDALLEQALEEIPHASIGSVVRTIGPEHLERLLAAIG
TAMESSPHVQYLLSWCLEMLRTHGVHMDRHRSSFMRAFRSVHKAVQTKHDELKTCINQR
YALEFIESQASLTATAAALAVGKD

>comp6905_c0_seq1; 226 1 622 LEN=897; translated
XMGTGEGGAPLASANLTGASFAGYTNVDGLNWDLFATHQQTGMGVDLTSAFMGTAAYAVDE
GKKFNTLAGLVLVVAGALALLAVFVAARRRKNRKAFLHARCIDGLALDAEDDPSLDR
ARCVVDDASLFGQESLPAGYRVRTEGPGHDYGT CANP SCKLCSARDRPGPVFKTDPNH
SFTHEHRSTLESRRDKEEAERRYESVML

>comp6907_c0_seq1; 203 113 889 LEN=1402; translated
MSSASSSVARGSLYRAYSRSSTSGSISSVENLPRTIARVSKEVRDLMKTPPGGINLVVD
PETGMPSSLGEIVAEVEGPGQTPYENHYFRLKLVLGVEFPASPPRGFFLTKIYHPNVDMT
TGAICVNTLKKDWTPTDTTFAHVLSVIRCLLINPFPESSLNDEAGKLFMESYDEYSKRARL
MADVHGRPNSSAMSEGDDKRRKADLKDEHDS PQRRKSR IEPGMNPLGSKNSNSISSKSI
GAKQVSGRLKKKSLKRL

>comp6907_c0_seq2; 246 741 1163 LEN=1676; translated
MTTGAICVNTLKKDWTPTDTTFAHVLSVIRCLLINPFPESSLNDEAGKLFMESYDEYSKRA
RLMADVHGRPNSSAMSEGDDKRRKADLKDEHDS PQRRKSR IEPGMNPLGSKNSNSISSK
SIGAKQVSGRLKKKSLKRL

>comp6910_c0_seq1; 384 1091 2059 LEN=2080; translated
MSQSPVFITVNHAIQDDGEYDDSSMANSAIQDRVIERLEQIRDIFASDDKGDLLPAE
LLPVGSIRIPDNLGGVVSKWPLYDEGAWWQDVSATLPAIALFNLSLSSKHEEQHVQDMHV
VDLCSAPGGKTAQLCSMGFGSDAIELSAKRSRSLRQNLKRLGMEEICNVVVEDGREYEP
DAMSGPVRGILVDAPCSATGVGSRPVDLRSIDITELSAIQRELLVHAADNILEVGGVL
VYATCSLLKQEGEDQINWLLSEVGSNASNAQLETIPFAPGEIPGFDDCIDENGWLRVIPG
VLPGLKFCGDFVARLVKVS

>comp6910_c0_seq2; 460 674 1882 LEN=1903; translated
MDVVPKYAAIYETVESLRLHPKIKVPKQSISFANAVLRNIDREGIPVLKTTSSINNLDLWL
AKQWVKQYGKDTTETIVEAAMSQSPVFITVNHAIQDDGEYDDSSMANSAYQDRVIERL
EQIRDIFSASDDKGDLLPAELLPVGSIRIPDNLGGVVSKWPLYDEGAWWVQDVSATLPAI
ALFNLSLSSKHEEQHVQDMHVVDLCSAPGGKTAQLCSMGFGSVDIAIELSAKRSRSLRQNLK
RLGMEEICNVVVEDGREYEPDAMSGPVRGILVDAPCSATGVGSRRPDVLRKSIDITELSA
IQRELLVHAADNILEVGGVLVYATCSLLKQEGEDQINWLLSEVGSNASNAQLETIPFAPG
EIPGFDDCIDENGWLRVIPGVLPGLSKFCGFFVARLVKVS
>comp6910_c0_seq3; 539 1 1713 LEN=1734; translated
FCSKAKGTTTKQKLFDRSTSRKHVFKMKDYVACLPTHRLIFIAVFCFVILDQCNGLSG
KTNLNATPEASRQITHRASAI FALMESMKRKNKFAIRVLEQDPSFLDLQKDRAFARLLL
STAERRLGQIDIVIESFQRKEKKKNSKPRLSEILVEAALRIGAAQLLFMDVPKYAAIYET
VESLRLHPKIKVPKQSISFANAVLRNIDREGIPVLKTTSSINNLDLWLAKQWVKQYGKDT
TETIVEAAMSQSPVFITVNHAIQDDGEYDDSSMANSAYQDRVIERLEQIRDIFSASDD
KGDLLPAELLPVGSIRIPDNLGGVVSKWPLYDEGAWWVQDVSATLPAIALFNLSLSSKHEE
QHVDMDHVVDLCSAPGGKTAQLCSMGFGSVDIAIELSAKRSRSLRQNLKRLGMEEICNVV
EDGREYEPDAMSGPVRGILVDAPCSATGVGSRRPDVLRKSIDITELSAIQRELLVHAADN
ILEVGGVLVYATCSLLKQEGEDQINWLLSEVGSNASNAQLETIPFAPGEIPGFDDCIDEN
GWLRVIPGVLPGLSKFCGFFVARLVKVS
>comp6910_c0_seq4; 384 922 1890 LEN=1911; translated
MSQSPVFITVNHAIQDDGEYDDSSMANSAYQDRVIERLEQIRDIFSASDDKGDLLPAE
LLPVGSIRIPDNLGGVVSKWPLYDEGAWWVQDVSATLPAIALFNLSLSSKHEEQHVQDMH
VDLCSAPGGKTAQLCSMGFGSVDIAIELSAKRSRSLRQNLKRLGMEEICNVVVEDGREYEP
DAMSGPVRGILVDAPCSATGVGSRRPDVLRKSIDITELSAIQRELLVHAADNILEVGGVL
VYATCSLLKQEGEDQINWLLSEVGSNASNAQLETIPFAPGEIPGFDDCIDENGWLRVIPG
VLPGLSKFCGFFVARLVKVS
>comp6913_c0_seq1; 534 1 1088 LEN=1126; translated
XDVLDTNVGFSWGAALGSNSSGAGAKEGSDSDSDSDSDSDDDEGEFGNEKSNSRRSRK
RQAKKRLEEQETSRRRETALADGTADSNPETAGDFERLLSGEPNNSSELWIRYMAFHLSLAD
VPAARKVAETALERIEFREEKEKLNVSALLTLEHKFGNDETFQGVIDRACQONNPQVY
MRACEILANDAEQSSNDPVSVKKADALFATMCKKHKSKKTVWLAHMRYLLKQSRDKDAHA
LMKRAMMSLGSHKHAETMSRFAQMEFELGSPERGRITFDGLLLKYAKRLDLFFVYLDKEC
KFGNLEHARSMLERKVEERKLSDRQMKSLFKKWYRMEEEHGTEETQEHVKESARAYVTT
TK
>comp6917_c0_seq1; 245 149 1179 LEN=1244; translated
MPNKKRGRXIPLAAPGLLRPMTSRKRARRVTTMFHKLTKERDQALKEGDADKARSCERSL
EEMGRPEYQRASQLSTSFHSTSRWVLGHLANNGWLYGIKKQALDESGGSTRERRRQSA
RRRTTRILEVGAINTELLDAAGIPAAAATARPSRKAADASGATPRSTGAAAKNIHVRAI
DIHSMEERIEEADFLLEPLVHPDREERYDVIVCSMVLNVCVTTAVDRGKMLALLYHQLRPG
GLCFFTVPKFCLTKSAFLTHGLFKKMLGEKGVGFRVSTRESRVAFFVLERPPEEKDGG
GEESRPARQLDPVFTREIIRNKGKKFPNQFSVLRSEHVFGTD
>comp6918_c0_seq2; 199 150 542 LEN=942; translated
MLRFISAIILLSTTSGFHFNSNRKVRSLGTSLSQSDSSSSSERYETYTDGTVNPCWQDIYDA
DCTMDSIF TARFVASEWIKELPCGSGLEDCDFPEGTVPPEMRPESHNHPEVDVMDFLNIK
RVDDDSKLSP
>comp6923_c2_seq1; 327 1 762 LEN=1126; translated
XSNSSNAHLLLPHGKKGLDLALLRKERKRLRKKDEDSGAANANANADANAPTTPPSNA
DGVRSGIPSMHEAHRILRECLESDGNGNSNSDDPVSGKAFPSAPMVEYLRRELLRWKAL
DPAAWDGASTQTAAGGLAGRTSYALAI DGDPDTERAWVPRALAARGGTIEAHKGRSWL
PVGEQRAVEAVFARRTSVRXEAPVAPGTRGGGVNERNRPGPKKAGNKVDDYFNDESND
DGEDDDDMFGGLDD
>comp6927_c0_seq1; 503 165 1505 LEN=1586; translated
MFPRIIIAATASRGPAASLARNVRLKERVAVASSPPPGLWRWLGSSSQTASLIQSRSN
ETETTDPEQNDEPIQIQPQHQMMLKDKHDTEAKRRDDSPRSLPQAKKWRAPFWLPPSS
QGKRTPHHRRNPKHQQQHRPKPRFRNERLPCRQHLDPNGSAGLPESDWVQLFGAFPMT
SLDEILESVEGTLRKELEFDPAANRNRRGGVVDLADWNPTEEDPPLVSEITYCTPDAPR
DDRPEYALDNDVRGGIPDDGDGNDPNPNSDDDETDDTRVESFRVVKAHVVLSPFGRPTG
WNLKLASPSMVNALLSVANNARVRSIRIGWRFATVKEHVPTPIKMDPRDTRTMLVNDT
MVRFENCPSDLTEDFLRHLLSRYELTAKGPTIIKWKGRTDGKAPPLTYVVRFASAAAYAR
AAIREMQKLLKGQAIKLIQYPKQLI

>comp6929_c0_seq1; 201 1 1285 LEN=1445; translated
XHPGRNKTHR VHQPQREMAEGEEAPVRNANEIHGKGVPE TERVPPAERRSCLALVEAVAT
TGGGGGLPGGRRKVRLELPPRLPPGQREGEDDDRDLWLEGVDR TLAGALGITGCGTIELYDP
GTQAFRR LDRIDEIPSSCCRLRVAETVPEGPISSTGDGGFLALPWREFSGDIDQDGRFVL
GDHSIVVQEE SNGSLGTGTNLWDGAVALASFLGHHQGTARSNKDKDNDRDP SLSVEGKRV
LELGAGTGLV GIIAAHLALGASRVLVTDLEYSMANLEANLSANRCHRTSAERRDSTIDARV
LDWC DPSSCETALS IWNESGGAHSHSPPPP DVVLAADV VVWDFLVPPLVETLRRVCTWGG
TGS DTDPPLECWPPVVL LSYQRRSQVVEDLLFQSLREASFRTE DVTIPELASSKIRIYRI
TYQH QGV L

>comp6930_c0_seq1; 468 132 1217 LEN=1652; translated
MDIQSHYESNGSGPEEVADRLADNGRRYSQFLAQSLNNKASIQISNGNYDEAISDLSYAL
DLSTSDLNENGETSMCPFQEFSLGSFLMVALEKEEEEQHFC LDVDRPADIQQPERSSFCSE
NTDRNYEDLDDCVT MEDNDESTFVGFDAA TSNMIESGGSHRNQRSSPLSRDKAQELISLK
SNEDNEHKEGFIYSCLPCVNSRCIAEGHNLGLVLPVMILFNIAIAHHLKAISLSKIATAG
STTAMESFEMMQQASKFYH LAYELQRKKT LRRQOHTKRNSDCWNEEHVSMRFMMLITNNL
GQIHRFTGNPHKQTMCLQHLLGAML YMFHNCDRTVLTQKELDRFFDNLAPVLGTKRCAPA
A

>comp6931_c0_seq1; 1180 516 2945 LEN=3698; minus strand; translated
MAQKKS RKEEETPSLSPVDSGSE DENTDDEDSVYDS DVPYEDGVDESDEEEFEDQGSSD
EDEDLLEKQEE DDESDDGMEKLEDNMSNAYETAPRKWNTGKRTISGQKSE PSESNNTEKS
AKWMHTDDFSSDDEDEDGTGNRIGRVPLH WYDEYDHI GYDAHGKKVIKTASIGGNRVDQA
LSNADSKGKDRFMVHDALNDKNVALTPRQLELIRRIQGGAYAHPEFDGNAEYIDYFSGVD
PELSGINSNR TLPKSKFQPSKWEKMQVDELLRKL DKGDI NMDYLTGKIRDMNDANKSSKD
KDKPFLMWTGGE EDELNMRKGPQHIAAPKLPPP GHAESYIPPEYIPT EDEIKEWEQMEV
KDRPHGLLVPKKFPNLR SVGAYEHSVRET FERCLDLYLCPRQMKRRLNIDPESLVPKLPK
ASDLRPFPTAKCIQYKTPHEGDEPPMIRCVTPSPDGKFMASGASDGYVRLWEVETGRLLK
SWNVSKVALSADDEWEESTGSESVKPVVALEWNP NRAHHCLLA AVGKCAI VIATGTEGQR
NAEITGALLSSAKRGGNVSSAKASKAVQWVSVSEKETPISMFASASGPV CALCTKSNMTK
IRWHGKGDYFVTISP KAGASSVLIHQLSKGN SQPF SKAKGEVQAACFHPNKPFLFVANQ
QHVR IYHLVKQAMVKRLISGCRWISSLDI HSSGDHLIVGSLDRRMVWF DLDSHTPYKTL
KYHERAVRSVGFHHRYP LMASASDDGAVHIFHSMVYS DLMRNPLIVPVKILRGHEIKNKH
GVL SLSFHPTQPWIF TAGADGKIFLYQDI

>comp6933_c0_seq1; 111 141 502 LEN=502; translated
MAEEASASADVP MEDAAADPAPVSVXP FVIAIKGMTDQNTGNPPKVASDCPI SCAFLSYF
THPLFLFAVIFLIGNAMSNTHHAYIFQAKPAAKAAPGAAPRFEIKK WNAVAMWSWDICAD
T

>comp6933_c0_seq2; 235 141 539 LEN=861; translated
MAEEASASADVP MEDAAADPAPAKPAAKAAPGAAPRFEIKK WNAVAMWSWDICADTCAIC
RNSLNEPSIEYQANP SPTNDNGLSIAFGNCGHV FHLDCIQRWLKTRSVCLCNKEWDFAK
IERIPGYGQLGI

>comp6933_c0_seq3; 75 1 159 LEN=841; translated
AKPAAKAAPGAAPRFEIKK WNAVAMWSWDICADTVSENIKHPKPYDVILS

>comp6935_c0_seq1; 188 311 518 LEN=518; translated
MSSETNDDAIVRGT RNDIGIDTGVHPIHNSNNDNDDIDQVSTNSSLAPPDADQILSNDIG
IDTVAHP IHX

>comp6935_c0_seq2; 188 438 645 LEN=645; translated
MSSETNDDAIVRGT RNDIGIDTGVHPIHNSNNDNDDIDQVSTNSSLAPPDADQILSNDIG
IDTVAHP IHX

>comp6936_c0_seq1; 991 1 2173 LEN=2293; translated
XCSQNQKLNPIDLALS YNQEELMQMEPSKERIYIGGLNPPRLSARDIFRRLKSINQIEIE
SASIVDKGVNGDSSDEDEGTRPYLHITASSKHSDSALSII SKQYHNVKWKGCKLIVEKA
KPHFLDRLEEERRQR RERTTGERANEIRDSIEVKEQPEESEGIPSRIPRRLRVRK KFGDT
ALHVDTKPWTVESWSRFHKARGKLQKQEEKHKINVIAYNSASKDEHISQPGPMMHRAVHI
RFSGGETGLNGGIGSNKKNNE SRMVISSASSSDSSTS DSDSDTEASNESINKKEQSER
YTWSEEDSDSSHSE EEMEQNPD DGSQSTTEILLNQKRKASSNDQKDDGKYQWSTEEESSD
DEEDGTNRWSSTSPRNNEPLRAVHG TDEFAAGFEDTS SFDRYENDDNFEGYDHGKSGNLE
SDLTGDVTSNLNILSSIFPDMVDAKP INPNGDVTKSTMGSTESSNVPQSKNTTAYGIMP
RFDPTAKSSKQFEVEEEPEEEEE PNSGDEESASETRSSIEDADLSDNKENSHTGDIREND
SGAEVSPAPDIYEQEKLENVFRDARDAWGTEDTGAAA PRDTSATDEDPDKSSGKSSFSFG
FNLDNDNDASKKQKSKSATEAFSFSFSIPEQDQATEHDKPNTIQEKEDDEHMETATQCDEER

DSKNVNDKVDMITTENVATRLKGLTLPEGDLKTYVDNFFALNDGARIMKDPEGFRRDEK
EKTEW

>comp6940_c0_seq1; 235 118 606 LEN=846; translated
MRSVTIATRRCTSMDRNVFRRRKRITQHDQHCCHRRQQHSSIRPAARAPLAPSVPNRHNS
VLYRRNPVNVVSLGREAAVVQQHSGDTFGGGYILPLPHDEKVGTDTTATASTVAFAATN
NKDSDLLPSWSAAETVMKMMKASYHASHTSGVAAAGGGSRE

>comp6941_c0_seq1; 577 279 1702 LEN=1702; translated
MNVSPSSQETSIPFSESLGSGEVLHRMQGNLPSNTKPRLDIDMKIGKPGGVSIDGVTT
KIDKEVTKSDLVLPSEGLKQLVTVATAEKEAHSFYADSNPRGDSREDTGRGSTGDEKRE
TECQLSGTASAQMTEDI STEIGADNDDDKEMKNTDEKASSYVDAAEKI IDEPKTEEAKSE
QPKLEEGTKDELKEEQPKKKPRKRWKKPADKPPRPLSAYNLFFKRERSIMLGDAAEKDDQ
EQGKKRVHRKTHGKIGFAEMARIIGAKWKKLPDEDKEEFMVVAKAEKEKYAELLANWREE
KKKQSIANSVEAGKKRKDLDDDDTDELIKTINEDREQLLKRHSAFRQMCMYEEMALSRLG
REGRPMPSLDYMRNMPDRPYFGERGQYPNAAEDSGRNILQHMLSLSGHEGPGPMSRMSD
GPMGSSMGNTMGSMGSMNRGSMGSSGNQINKPIGNSMGNQHQTGHMPMGHPMPX

>comp6942_c0_seq1; 703 214 1974 LEN=2152; translated
MSTRVVTVTTPSFDVAGSPTTKDCNNGETTPSYRPNSSHSYLLCDDPSNHSPFVNPATA
GGSTGGGSFDACKDRPGGRPHRQRRNWPSTRSTTPVWILQSI AFADKIFVSWWLMWVLDVW
HKHVPLFLKRLCFWAWGWYFVHTLVVCGWMLYSDDRFYRLSPPSPHSDGKKGKSGSDF
ISNEYKAYSTLCYPSQFFVVDVPRMRFALSQLNVISSRDIPCEECVERVADGTNSRGVDQ
TGTNHRSERPFVVPDAQRDHQTVRGLYVTNPNKRSNDNTLSHTRSILFWFFGGAYLAGDA
EGNLSLANEFMEDCNADAVFVPEYRLAPEAKIDDVLWDAAWAYRYLVKRLQKESSQQNQH
TDTEIVFVGISSGAIARLLQLLRDRSLTTKEGSSLPVTPSFLEPVLDDIVSRTIKSAE
PSSSKTKSIRVAGAVLFAPYVDYRDPQPPSGSFVQNSEFDWVVTQAVQHYGLPYLNEFVP
PLGDDLLRTNDDHSGYNTNGRIQYSPLTHDMNGLPPLCLIASEHEACYDMAIAIVNKARQ
GVERGDAACPPTEVTIGVWKYCHVFSMMQAFLEPKASIDFAKGW

>comp6944_c0_seq1; 407 1 1082 LEN=1162; translated
XFFMSPVAVSGTSSAFLSCALNVYGSVVLKGDRLQLELYILKFPVSCRGLDATGLTGSG
KGGRVTKGDVLAALRDGTPMPALVKVEEKGP ELATAPAPAAA AVPKAPT VPAEDLPLPEV
DTYGSYEDVPNNMRKV VAKRLTASKQEVPTCYTSMEVELDNVLKLRKTLNDHDVKVSV
NDIVVRCSSLALRDVPEVNGKYDPKTDVSLQDSVDISI AVAI PNGLITPIIPSTDKLGL
SEISDKVKDLAGRAREGKLSPEEYQGGTFCISNLGMFGIDEFTAIVNPPQAAILAVGGGV
RRVVP TPYVDGAE EQAKPAIKT IMTARLSSDRRVVDEATAALFMSAFRHYINKPELLLL

>comp6944_c0_seq2; 840 273 1892 LEN=1972; translated
MSPMSALRRLSTSSVLRGRRTVATAIVGSHRGASSSTAATIRLGLKGNNNRYSLPETNGL
NCTSSIGRRQFHQSVAVLDYDPDHVVIFFPALSPTMEIGTIAKWEIAEGEEFSAGSVIASI
ETDKATMDFEAQDDGILAKILKDGSEATDLPVGTPIAIVVEEPEDVAAFADYVVSEEST
GVAGADITMDEAPSSSLEELSTATAPVIGGSAGTSLLLPSARFLAESKGLDATGLTGSGK
GGRVTKGDVLAALRDGTPMPALVKVEEKGP ELATAPAPAAA AVPKAPT VPAEDLPLPEV
TYGSYEDVPNNMRKV VAKRLTASKQEVPTCYTSMEVELDNVLKLRKTLNDHDVKVSVN
DIVVRCSSLALRDVPEVNGKYDPKTDVSLQDSVDISI AVAI PNGLITPIIPSTDKLGLS
EISDKVKDLAGRAREGKLSPEEYQGGTFCISNLGMFGIDEFTAIVNPPQAAILAVGGGVR
RVVVP TPYVDGAE EQAKPAIKT IMTARLSSDRRVVDEATAALFMSAFRHYINKPELLLL

>comp6951_c0_seq1; 681 1 2696 LEN=2696; translated
SSCDDQRGYVHLQGA FEKPKR KASPNTQQSESPYWKSSSEALEEAILLALRDHYKRLQLPF
PVL SVRSDGKNLSRLRLEYNCPYEALQIYA FRDQRISPQTILAPIVNSRGDCVTSKSD
GCALFGSRPCQATMITTTPLPKDTSSFWPRSNPPQFRRL LHNRGDDEQERSQTRFVYVTG
LIDNNNDSEVTTGRTLSDWWGKPYAVYRALRQVFGTDIEIFLPKKQNRKQQLIQSCHLGL
RSASDAQRIVREYQGRVVAWNDGTTKTSQQQSNEGEIHSGQLFLDYATITQSKAKEKG
EYKKGKGDASRPECTSTTSHVHPGLVVVENFLTEPEEKILLAILTGQPAPWAPQQTNKS
QTGAVKRLVQHYGYVFDYQTADVLRRENTPF SANCPPMPA IETTAENNDPISMDDLIRQ
GRGWEVLAQIVEKTRRHEFETEPPSSDEEKSDGPN SQESMTRKMTFPHLNQMTVNYKPG
EGIGSHIDTPSAFGDGLISISLNSGIVMEFTKVGAKTEGEARVKKLVYLPRRSLVLMAGP
ARYEWEHQIVTRRTDTHDGTTSRGLRVSLTLRTALS LDGSP LDFESSVFPVWGGSD
GKRGP GSNALVTPSTERNHVHAVYDAIATQWHHTRGKRGLVWPSATQFVQNLPEGSI
VADVCGDGKYPFAIWEAGSYVIGTDISLPLESSFDESSGSTVPGTRTVSGYRQSLQKR
PAVAVADAMTVPLRSDSCDAACIAVMHHLSTDRRLRCL EELERIVGKGRIHVQAWAM
EQASNSKRRFAAPDVFVFPNAQPKYLDRVSGGAGGPEPE SHGSGGND SVAPHGPKSVAE
LYSEAYEKADFDERKGLVVFQRYCHMYREGELEDLVRRVPGRLRLVESGYESGNHYVILX

>comp6952_c0_seq1; 590 372 1605 LEN=1605; translated

MPSLKQLFGSPLGKSKHKKKPNKDRYNGMDILINDHKKKYTTTPKFLATENSEVTVSLFK
EEEEETERGTLIESTACHSEEVREDEEITIDFRNYKDCVGDALKKSGMKTAKATKEIQDH
LHEESEKDETIYFEQRDHYDNRCGDEDFRTAAMPSSKESPTTKNFADKELHLPNCK
DINCENADIWCDNDDNFRIIVVPATASLSKPEEEQEKREKAKKHESLAESHHRQQQQNE
FSMDEDEGIYDKVDDFRTTIMPTRISSFAREEKEKSSSAKESSENKEIYVPQQQQQLQH
ELLVHQNDDFQTTVPDLQGMGESEPRSKESGNLKRVARDDNRYQVSPVNSVEFENHIHTT
LNANEGATNSRSSRKEYSNKNDKTSSAIYPIPSHLNTTGYHLDDLDDGDDEKX
>comp6958_c0_seq1; 274 33 686 LEN=929; translated
MSTSTLVKGYELHGWQPSKSLCKDENFMDLCMIITRSKCLKQGSMAICLVKEATTQREEP
MPATAATELAGDMCGAII SVANNRPLFSETTSDVHAEIAALGEASRNGVSTENATAYI
TMPPCKNCFGALT VAGIRKIVTRYGPNQKIQAASKNNIEWITISNHAEMMARVNAIVCP
GSDGKKRKRDRHSDNESVDETGAKNRKSDCTSSSLTKC
>comp6960_c0_seq1; 126 1 990 LEN=1066; translated
RVLFRSGNRGGGPQWTFRWNTGGGSRNHRYKPKRLKDRFDVKQAQSRILHIVSLEQLETI
ITATIDGEAVLERDIMICFYTPPLETHLMDEMVYPWPFAAKSSQGIWEDLLQTSVVRYP
NSNDLTEFFGIPRGRSLEKPVFIFGKKGQKFWDKAAWDRRLSTDERQVFDQWTWKQLEVE
VVFVNHHDHPVELFWIHDRGGHAKGIIDANGGRAVHVTTLASEWVWRDARTDTLEGAPGR
WKMTDGTCLYNVKILSDEHRREYVIPKRLCYDLSGHCPFWNRSKGKEDKNPNFMHQWCRK
ECRRCTPDVDPKANEKRHDGTDYPGSDEL
>comp6960_c0_seq3; 359 66 1409 LEN=1485; translated
MSVLSAILSFFIFFACSSNNSINHFTWFFPPTVANAAASEITDLYEILGVSRTASVQE
IKKAYRKALDTHPDKNKGPVPAEEAAAFAHKVVHAFEILSDKSSRNRYDRTGQTSNGNNT
SNGGGNRGGGPQWTFRWNTGGGSRNHRYKPKRLKDRFDVKQAQSRILHIVSLEQLETIIT
ATIDGEAVLERDIMICFYTPPLETHLMDEMVYPWPFAAKSSQGIWEDLLQTSVVRYPHNS
NDLTEFFGIPRGRSLEKPVFIFGKKGQKFWDKAAWDRRLSTDERQVFDQWTWKQLEVEV
FVNHHDHPVELFWIHDRGGHAKGIIDANGGRAVHVTTLASEWVWRDARTDTLEGAPGRWK
MTDGTCLYNVKILSDEHRREYVIPKRLCYDLSGHCPFWNRSKGKEDKNPNFMHQWCRKEC
RRCTPDVDPKANEKRHDGTDYPGSDEL
>comp6967_c0_seq1; 421 1 1403 LEN=1468; translated
XKISSDAHFGSDRTIPEQNAMGKQSKSKTVEPANDDKDGNSSVEMEISDEEYQELLSQA
KELTLEEAEQEWMESECRYGEVDVVRALAENFPSSQETLIGFVHPDTGNTGLHMASANGHT
NVVKKLLVRQYGHSTFKNASGNTPLHWAAANGKAEVVKFWTSQTIVEVDVLEKNAHGRSAL
TEGFSSQNEVDVAAILEHDSASEEKLSTGSQKGTGGNEDGEEELLD SHVHSFFDKERPL
KIRELAMKNADNPFADTDRPDQDTTGLSIWSASLVMARWMQAVGMTGYWKDSSVLELGS
CGVPLMVATSDASRRRFLTDLNPQTVDNLRYNIELNEVQDFVEAKCMDWEDKSTWPE
EKVDHVIGSDLIYIKSLVPLLT SVIFGTIKPGGKFLYVCPDTGRDGLDAFVEAMKQKCPG
WVEQVAPKEYHSNPLTNEDEECFLHFQELSSLTMYLYEFPINNN
>comp6968_c0_seq1; 213 86 928 LEN=1213; translated
MIGIWIPLDRESTDGLPLATKISDLFLGFYDRVPENWILQLVLPVHSGVVFAMLA FYLVSK
PLFQQIAKLVDPKATWFI VSI AEHNFLLA VFLV VVINSWP IVIDHYQRYGAFD TYCDPE
GRLWDKNGSGFGPWALIF YISKYWEFVDTWILVLK GKPSFLQVYHHTGIAFCM WVGVLS
QSSWLKAVLLNSI IHTLMYTYFLIKTISPATQIRSARYLTKAQIGQFFT GIFYSAAVLF
MGDKCDTQSSRFLACLQVYGYGLIALFMAFSKRKYQKKD
>comp6969_c0_seq1; 211 385 1158 LEN=1335; translated
MVRTNNLLVSSLALSTCCVSPTYGFTPE SAASRRSHVRLDLDLGFDATEASSSVTIRNKP
LASIDVDDQINAVESSELPPVLQQITDERRNFQMN LGKAMD TLRKDMPIYILKDT PDYS
IYHSDITVVDPSGVQLTGIENYKSSIKFLQQFVAFWFQPERNGLQYRLVYDFARSSIRVS
WHAVLVPKMPLGKPLHVDGISMYRLETDTGKIEHKLENLSINNTPIVPPYGVFSLVQQE
WLAGTGVPPGGQIPMGV
>comp6971_c0_seq1; 324 196 765 LEN=955; translated
MVATKSSSKSTVSKAKTGA AKSKKGSKAAMPSTDRIVLAIASRHGLGEEKPSRDMVMG
LALITNKKSFN TLLNIRKKEGWIEYDKDTVWLTEEGRNYVGNNAVAVPKTNDAMQARLR
EDMVKGLKPRQIFDIMLDGRWYTR EELADAMGIPNNKSFGTYVSSLR KVVVRD GKKIRLS
DICFPGRP
>comp6973_c0_seq1; 342 38 571 LEN=571; translated
MKHCISTGMSEEECQTLVDTCKEVHNQIEAQCGSIKEQCKVDELSTEECKEKVEDCKRGL
EME ECKVLFPSKENNQIEQCKSTGMSEECQALLAE CREVHHQIKEQCKPIKEQCKENEL
NPEECKGKVEECKEGLEKEECEVFHKPNNQIEQCVSTGMSEECQALLAECKEIGEMI
>comp6973_c0_seq2; 312 38 501 LEN=501; translated
MKHCISTGMSEEECQTLVDTCKEVHNQIEAQCGSIKEQCKVDELSTEECKEKVEDCKRGL

EMEECKVLFP SKENNI EQCKSTGMSEACQALLAE CREVVHHQIKEQCKPIKEQCKENEL
NP EECKGKVEECKEGLEKEECEEV FHKPNNQIEQCX

>comp6974_c0_seq1; 794 1 2046 LEN=2162; translated
FSRDGVCLVLLHQ NPLSRRQDKREYRIQSQTTPHRTAQHRTAPPENPYDTKHTTKQPPPK
HSPGPQTNMTLLEFQTAQELKTFVESNPVCVVAFA SAHWCGPCKASRPGLEQLARDSQKVP
VSLVHEDDNDIGDYLHTFRVRAFPTYVLFASGTEAERVEGANLPGLKAMIERHEAKAGPS
MPSSGGNTLGGSHSEADARALRLARLGGGGGPAEAAATVAEAQ PETKEEQAVPMETEDSK
PAAETEAVAPQNSNSNSASNSNSNSDEPKQSPVDSL DPEALRNLT EEMGFSLVRAQKGL
LYSSGNTVESAI EWLM EHQDDADIDDP I PEDPSGGGGSGAGSGAPKAVSYKCNATGKIFA
TLADLELHANRTGHTDFEESTETVKPRTPEEKAAKILEL KALLKKKRAEREEAEKVDHTE
REKQRRFMGKEMAQ TREQMEAEQRKRDARARKKEKIEFKKERERIRAELEKDKRERMANK
GKLKGR LGVDGYAPSAIQYENGSGEEPAAQRPKTSGAGAAR IDECISKVASYRAGDGGK
CLKVLG LLVGNAA DHPEEEKFKSINMETKTYKNKVKPFV GAKSLLLAVGFGLPEKNNDGT
HLVLR EDADLELLKATKAKLQ EALAKY GSSSRTDDAAWVMAGAKPTENPTFARED CPTG
FSSAVGGDPTNSRKRETMLQL

>comp6974_c0_seq2; 550 1 1445 LEN=2169; translated
XQLKQEQLRNQQNRAS TPIGADSS EATPVSSVADPAGNKNPAANPDAAANANETATNTKP
ASALASAFSPVRTNGNGSNAANTTTTATSNSNSNSEGTVQAFAGLEEMARHSRIRQKAME
SEVFHDRGGDEEEEDDLNGNVYVNVVNDNDNNHTAAGDATKNQQRQNHDRHVPTSTNR
RAPMMLAPTKRRLRWHALVDSGMGR LGFKTDPVTTEDHGKRRDTVEILKELADLEVT PDC
PVEFYGMCTHMADASNSTSTFTDSQMNRFKSL LKRVRGAGISVPTISTDNSAALLTTNLT
HFSANARVLLAQNDADSRGFVRTGGAIYQRP SF EQLKAVSTLVASVRHVATLRAGESVG
YDRAYVAPTSVRIATLTIGFADGYPRELGNVGSVSIRGH LFSVAGNVCMDMLMVELGPA
GETNPGAAVAVGDVALLWGPDEGEEGEGHVRLRDVAEALGTTQSALTCGLNKERVLRKY
A

>comp6975_c0_seq1; 440 254 1549 LEN=1587; translated
MEMMRLKKGNGNVRSLSSRRERVSLLGDVQIRSSPTSRSNSGLRGREQRRRTRVRAHP
QDDDAEERISLLNDANSPGK LKRYNRYESIINDGVPWTRSRLMKYVAILVVSSSMSFFLL
RRESKVIRWEEYHSILEPEGSKKARCFETSRYSLDERCSCDPDNVALKNDDAKLWDSNHD
HMVSQAKNAPGDL DIVFFGDGIEQLSGTRGLGAEIVEGMEEYFERTFVKKNGGTFNAIA
LGSSGDTGPNLLWHWENGIRQANLRPKLWFIMVGSNDL FVHKCTDEFV MANALNVAKRIF
EDQPEAKIVIHGII PRKDNPESTSNALGHLWNRAQGLNLQVRKWKIKHSSRIFFMNVGQV
LMQNGGMKGRKFLDPNLIDEKMNPTAKGMEKWGDLVVKL LIPILKGFDMAKHRKQTKPPN
KEEKSQTKGTR

>comp6975_c0_seq2; 359 254 1694 LEN=1732; translated
MEMMRLKKGNGNVRSLSSRRERVSLLGDVQIRSSPTSRSNSGLRGREQRRRTRVRAHP
QDDDAEERISLLNDANSPGK LKRYNRYESIINDGVPWTRSRLMKYVAILVVSSSMSFFLL
RRESKVIRWEEYHSILEPEGSKKARCFETSRYSLDERCSCDPDNVALKNDDAKLWDSNHD
HMVSQAKNAPGDL DIVFFGDGIEQLSGTRGLGAEIVEGMEEYFERTFVKKNGGTFNAIA
LGSSGDTVCYVCFVNNNISXKIDL FENIVWSCNAQMCLFP GSRNXLNASTFLHQKGP NL
LWHWENGIRQANLRPKLWFIMVGSNDL FVHKCTDEFV MANALNVAKRIFEDQPEAKIVIH
GII PRKDNPESTSNALGHLWNRAQGLNLQVRKWKIKHSSRIFFMNVGQVLMQNGGMKGRK
FLDPNLIDEKMNPTAKGMEKWGDLVVKL LIPILKGFDMAKHRKQTKPPNKEEKSQTKGTR

>comp6976_c0_seq1; 123 111 404 LEN=737; translated
MDNVGNLPPYQQQEFMKYLEQMQLKDSL TMYNRLVERCAEGCVTSFRSKTLDKHEISCLE
NCAGRYIKMTQRVGLRFAEHQAMQQKRAAEAAAQGS P

>comp6977_c0_seq1; 571 276 2664 LEN=2715; translated
MAELFNGPVSFSDPQDPDRSRPFVHEAMPEDGVEDFSRKDLEEKSLQLMAELLRPLFP
LGKGVGSEETE GECALDDKVYAEANQMSNELAKGRFVDFCCESEGETRVESFFLQAADTK
VGREI IKSGMSEDLILFRKVV EGAIVSLQSLLVFGMTYGLTLHPTGVSRAVAHMKDDAEA
LDVTWPTNGQWKP AHSRLKYL SFLDHDAD EKV PGLQLLSTLKWKRTP LRAYELLTQIG
VWGKHENLALLRSGVPLRFT ESEEEAAEKVAEESKKDLGDDADT LLEIRRDFRGQKVFTI
DSASTKEIDDGLGVEVIEGEDGQKRYRYWIHIADADRWATRDSDLFEMARRRATS IYLP
RSIPMPASVSEQVMSLRAQSDVCALSLGVELNDDGSIVEDNIVVTPSTVRVTYRLTYDD
ADEMLEDGVGYSEEWQLGRLYTAAQQRQFRVDNGSAEDFIPTQIPQYTI STFPDQGAPD
DVGIKIDLQVSHNGGKNQSSIVAESGDGNSDKEELPVSSS FLLVTEMMILAGEAIGKWAY
RETQTPCGNHRKNTLELPFRSQEKPDYRTRERERKIMMDLLDCNIGGGYCHAWYARRFFS
PAKVTP EALPHSGLGLECYAQWTSPIRRFQDLQVHAAVKRFLRRQRVLELLETGEPVPNG
LSPSDLGCGLPTQNE DGTLELPLEDADGDI DYGDGVKLLKPVQFVMRNTNKFWMLEHIRR
LKEADPQLSTEVLVLCVNP SKRQYSVYLYEFGLEWRYN SPAGIQAGDRFMVRFGNVLPQ

NGQMTLVREPNSSKP

>comp6981_c0_seq1; 409 1 2546 LEN=2621; translated

XLLGRYQFRQSRGSGQNPTGGLVSAVGSIDNTFPRPQREYIRCLSRLQESSSLRGLDVI
GRPRELLTAYNHLIECYAGEGMLQAHCRKLYSYIHNNVQSSTSGTNHLASKGDAGDKSK
SEPPSGPGCPMAASASNKTSPPGQQSGCPVALSSLSNEKPPSERTGCPMATSSSEGKEPP
SQQSGCPMTMSSNDSLNAIDNHKFAITMFKHMREAANDRWRLRPLMNEVTKIISTSE
SGGF'TTVALDLSGTGLLYEYGDVVKVILPNDDRQTRSWLHSLKSMNQEYFKLEDMRNLQK
STGNGWGWGDGLWEALGWGRFEEHGGSGVPLEMIARYIEQGNIRDESSKKFNWVHSPDLDS
VGGASQMFASPPPIPTERIGSLEPVSPRIYSVSGVEPDRVFLVSKPDDLARHHGYAAMS
DPKITKVHCSFSPATFFLVPPKDVNLVCVASGTGISPFVGLVDSIRSRTGSYTIHVQCKS
SDMFCNSQTWLDFTAMNPGAIVMGYISGDRSRRNCPMRYVIRNGAFEETTVLRRRRIISA
YYFECESFQSRLLETYKSNGLNLAYCCGGVKSAIMPLRFTTESCGMQFEFTCESYGVSP
LTKESNLLSQIGGTIDLNVHSPIHGGDQILHQATDIMTAMAKMKNSENTNTPDHSIAF
YELHPHAYNLHRCLRTPVDADAKAFAQFLERQAMSKSVLGNMAMKYAQAVALSSPSSKIV
KIATELQSSAISAQLSSGDTEQAQKSASYLKELLNHVPESDADSERWGESLSLIPPVSRK
SSSVFRSSTFSNKTTMSGGEALKRVSFLQEVSLKSAAYEDSDDES WGESLSLMLPSRRKS
SSVLRRQE

>comp6982_c0_seq1; 447 66 1130 LEN=1597; translated

MMMVAAKVQNLAKNFTKRCRVIVCGVGGRMGAIRTGLVYANPRFELCGVCDVNMEAADRI
ASKYSTRAFDFEGLLDEFSGSKDSTATLDGLVISTPTPTHGDLIKNAENGLGMFVEKPI
AEIPQEIIEELYQVCEQHNVPLCCGFQRRFDESYARAASVQQGLIGKVSNAHIFFGDSGP
PSFEFLLEGGNIFYDLSCHDVDFIRWALNDEIESVYACGSSSREELAKCNIQDNATMMMT
TTRGCVVTLTMSRRAAYGYDQRCCEMFGDFGKVSIGNEYETAIVSDQNGDHL SRLKNSFD
SRFHDAFGNEMNAFADTLMEKTPWMVKKEDVISVQKVAAAACKSLETNQIIYVD

>comp6982_c0_seq2; 347 380 1272 LEN=1739; translated

MHFTFCYRXRAFDFEGLLDEFSGSKDSTATLDGLVISTPTPTHGDLIKNAENGLGMFVE
KPIAEIPQEIIEELYQVCEQHNVPLCCGFQRRFDESYARAASVQQGLIGKVSNAHIFFGD
SPGPSFEFLLEGGNIFYDLSCHDVDFIRWALNDEIESVYACGSSSREELAKCNIQDNATM
MMTTTRGCVVTLTMSRRAAYGYDQRCCEMFGDFGKVSIGNEYETAIVSDQNGDHL SRLKN
SFD SRFHDAFGNEMNAFADTLMEKTPWMVKKEDVISVQKVAAAACKSLETNQIIYVD

>comp6985_c0_seq1; 292 62 670 LEN=817; translated

MNLSGMKLCGCIALLPSSTLAFLKLNLARSEPRNSALLPELERLIAASDSGIDGSYEESI
KDTMVEISKSREGDQRESLPGRWELIFTTEKEVNFFKTSWPF AEVSLITQRLDITDEK FV
NNVIGFKGGAFAVTSAGPVDGDDEYDRVAFEFTSAKAVVWGVEISLPLPGTGWFD TMY
CDDTYRLSRDSRGDWSVFKRIG

>comp6987_c0_seq2; 509 1 1611 LEN=1677; minus strand; translated

XAGELTFTVGAQSDSSANN SVTAKWCSFLRKSHDDMVSQLCERVKLGRHASIRCLWGVI
AGSPITSVSKVTNNTNRKGYKNSSSSSSSYKYVNADILKNWMRAMALQESSVMDKMRHMI
EAEFFSPYRDIQYFSLGAI SKIASSVYDGDDDDDEKTKVGGKLELLMMIPVPSSDDDL
GSKQFLFP PPSNVTPVDETEVESEEESEETDEESDMDSEDESSDTERLKEETLESRPKK
RQKKESTHRFSFQQTRMFRREYK KAWLAVLRLPLPVASLKKALHVL P QNVLNVAQPLRF
ADFFMQAYS DHSSGIIGVLALDGLKSLI IDCVKDGL EYENFYTQLYKLVSSRLMYAKYRA
RFYSLMTKCLVLNTMLPAHLIAAFIKRLC RCALSAPPPSALFALALVSNLLK KHPECYCL
VQRKEGMEIEDCFVADVDDPVECRALQSSLWELAVFERHYYP AVATLAKSIGRAEEDQAP
LYNIDEFASHTYASLFDQEKKKKTALTFKKPTSLFTNDDIFFGCVETGDTEKEN

>comp6987_c0_seq4; 410 1 1408 LEN=1474; minus strand; translated

XAGELTFTVGAQSDSSANN SVTAKWCSFLRKSHDDMVSQLCERVKLGRHASIRCLWGVI
GDIQYFSLGAI SKIASSVYDGDDDDDEKTKVGGKLELLMMIPVPSSDDDL DGSKQFLFP
PPSNVTPVDETEVESEEESEETDEESDMDSEDESSDTERLKEETLESRPKKRQKKESTH
RFSFQQTRMFRREYK KAWLAVLRLPLPVASLKKALHVL P QNVLNVAQPLRFADFFMQAY
SDHSSGIIGVLALDGLKSLI IDCVKDGL EYENFYTQLYKLVSSRLMYAKYRARFYSLMTK
CLVLNTMLPAHLIAAFIKRLC RCALSAPPPSALFALALVSNLLK KHPECYCLVQRKEGME
IEDCFVADVDDPVECRALQSSLWELAVFERHYYP AVATLAKSIGRAEEDQAPLYNIDEFA
SHTYASLFDQEKKKKTALTFKKPTSLFTNDDIFFGCVETGDTEKEN

>comp6987_c0_seq5; 385 1 781 LEN=1041; minus strand; translated

XAGELTFTVGAQSDSSANN SVTAKWCSFLRKSHDDMVSQLCERVKLGRHASIRCLWGVI
AGSPITSVSKVTNNTNRKGYKNSSSSSSSYKYVNADILKNWMRAMALQESSVMDKMRHMI
EAEFFSPYRDIQYFSLGAI SKIASSVYDGDDDDDEKTKVGGKLELLMMIPVPSSDDDL
GSKQFLFP PPSNVTPVDETEVESEEESEETDEESDMDSEDESSDTERLKEETLESRPKK
RQKKESTQVFFPTNSDVST

>comp6988_c0_seq1; 478 152 1822 LEN=1862; translated
MASCANDHNPPRKITNAALSKTLAEFQPRPSQVASCALNLYRGKLPKKGKPKPGEEWTVY
AAIVAFHRVDNRMWVSCATGKCTAQRHNECVLHDSHAEVLRRLIRVILSEIMEKKK
GIENNEKKNTDSRSLLVVSKGYHSDSEERQYRFNPNIDLHFIYISDPCGDASIYSVPCD
DATRNNNGILYTGAKVIVSEATKVDATDCGGNHQLLSTKGTNASNKVMSEVARNEKDLND
ISEKAGPVFAEAIQVLGKLRKISGRSNLPAHMRSHSHSCSDKLASWSVLGLQGGLLTKF
LDPPIVPLASVVVSRDSRLSGNDGDFDNGRAERHQSQRMALQRAIPGRVRSVWEHLSTHQ
EHELPTWKPSIPKVHIVPETFEESGKAQMIAPRNSNFSGKKRQKQSNNGENMISNKTKEI
EHGTIGKKAASPCGMSFNWNQNEDEIVTVGVGVKHKKPKTPQDIEKHASRLSRARFLR
EYSFLWESKDLASSASSIPMYCKRYHQFKEENASHEWTDLKNRILTQNGSPLAGWIRYVP
ANDDLIDSKGRKADR

>comp6989_c0_seq1; 575 161 2142 LEN=2283; translated
MSFQLHHRFNEDGSSTYTVMCGLDYIEDHLGNITENPIRRLRWSEANLYEVIIEEGDEVN
DPGRTLYKQSSSLDEDGLLKTGLSGVDSILYQNRTKDNIVLARECWCAAIQGTLINEPGQ
PVDSTSVVRNPPVWCPVDTNDFNDGKPSFGDPNVCRAQAIQVQDGVVHTAPGSYLAACY
VEDRLAEFVRSAPWPLCCFWVAMLIYLWVFATNYGRRRCRGYVWRRTMLFMHGRCCVMCGGSP
LRQIEAPPPDVEEGRSPVAARGEAGEIAVGTTLQDQSTPETNNSNENEDQPNNTSMEL
VVPTRNTEDSVQNGDDLPPYIDPWFSGSYENYEMLDHDMRDQAERTNNEFISWLWYSAV
QMEERRVKRERLRRRREERRRRRREGEDPDEGSMLSTEQENLRAMLAPVYWWPPAYPDGGR
WEHLVNLTSLDARVRRRRRRRMLRTGDNNEDDSDNDDSQPQEQECLFLRTKVFPCSKPE
TIADHEHFEGKRDRDDNQDVSVEDTNKIRTIGGADSTPSEKKDDSPQTSTIAVENSN
SDDSETNDPDTTIANYSNLEEEEDISENTCSI CLCEIEEGELVGGHPLWTLFPQGLPQGM
ADEEQPLPVVPASRHCVPKNTAMSERNTSIQSGGTL SYVMVRIEYAGGDDTSSKHCKDV

>comp6990_c0_seq1; 674 332 2707 LEN=2751; translated
MVDIYLKAPGMKRKIRETRGRLYQRIVARKRPRYLTSWEESFRMPCKSGTFHSKNDS
CDSTKQHWFGVLDFGGNRWACPPGEASSFEKNTIHKTNFAIGKSKRAGQPSNNGGHPSPKT
NMPKFFFTLRMEHRQGGAAAKHVGEERFLLFRSDQAGAIKVVFS SSPVTIGDSEDA
STKMPKAQTCKNPDEEIFTMANAKIHVLYVKD TYRGFNLGGFLFVLC TTYLRERYCNS
FNPQLSNRPILRGISSVRCLLDAEEDVRRHDKLVQFYEHLGLRRRTRAKTVFINNNDGETY
RKIPMKIDLVRKNREIERSKWKINHGDHFAAEYSSFLPAVLKSSSGESARLNDKRIDS
WLIMESGGGNIQLRTTDGRKLEMDQWGNCR LVPVHEGSSGCTNTGFD SFKLLRVSD
MLDKVLYDKEEYEEERFCLRDKLLREHHHQKYHWLAKKELWMIRSSVFGTFMRLTQ
SNDLFFSEASFWQADDNFCLTHTYD SPARRQHRRMWMKQSVDYVTHMRHRYSEFNL
QRMTEEALNITKNLQANPFSISMRREQKDFIERLNTSPSPSFRTYL FHTAELARREG
HPDWVQFVALIHGLASALTCVRSSSGSIFQSEDSVTHDDQDDFDWTIYVDTRIMGCK
ASINSTFAEFRLNPDKGDTRYSTRTGLYQEHIGLERVLLSWTGS DYMYWMLKHNGVK
LPREAYAILKLFPLVDWHSRGEY TALSNDDDEELKPFVADFYDLRYRAHILVLSNP
AVEEMGDEECRALWANHYSLIANKYGAGSMLRW

>comp6991_c0_seq1; 206 445 1104 LEN=1334; translated
MDSFVFTVANAATGLAVDASMDNTIVNGNLYYFSWAGFVTSILLIIEYLRGVFGVDVYGT
VRNRAARLTLWAGLLACQLVVLGASANIFD TDCTDFNGYAPESAYCKRTKYGLSLGVI
GTLFSLVIVAMKMLTTVAPVVVEGV LAFVLCIMNGCGVAFL TSAEGPGSPIGNLYYF
SWFSWLVSFVLLASVYEDYRGM RTPENEEVKVDGEIPVEAID DV

>comp6991_c0_seq2; 280 47 994 LEN=1224; translated
MAVDPSTGELINNGQSPRFKLWLAFFAFSTIVMGS AVGVKKRENQVSSNSVWAVFCSA
FSTFTVTGVTMMHLSPLSDYIVGTKWEG IITVLAAFWSATVAVVANAATGLAVDASMD
NTIVNGNLYYFSWAGFVTSILLIIEYLRGVFGVDVYGTVRNRAARLTLWAGLLACQL
VVLGASANIFD TDCTDFNGYAPESAYCKRTKYGLSLGVI GTLFSLVIVAMKMLTT
VAPVVVEGV LAFVLCIMNGCGVAFL TSAEGPGSPIGNLYYFSWFSWLVSFVLLAS
VYEDYRGM RTPENEEVKVDGEIPVEAID DV

>comp6991_c0_seq3; 206 466 1125 LEN=1355; translated
MDSFVFTVANAATGLAVDASMDNTIVNGNLYYFSWAGFVTSILLIIEYLRGVFGVDVYGT
VRNRAARLTLWAGLLACQLVVLGASANIFD TDCTDFNGYAPESAYCKRTKYGLSLGVI
GTLFSLVIVAMKMLTTVAPVVVEGV LAFVLCIMNGCGVAFL TSAEGPGSPIGNLYYF
SWFSWLVSFVLLASVYEDYRGM RTPENEEVKVDGEIPVEAID DV

>comp6991_c0_seq4; 208 79 747 LEN=977; translated
MVHNFQCFVYSTHNTAYESYFIFPLYVHDHDWQNWQSWAGFVTSILLIIEYLRGVFGVDV
YGTVRNRAARLTLWAGLLACQLVVLGASANIFD TDCTDFNGYAPESAYCKRTKYGLS
LGVI GTLFSLVIVAMKMLTTVAPVVVEGV LAFVLCIMNGCGVAFL TSAEGPGSPIGN
LYYFSWFSWLVSFVLLASVYEDYRGM RTPENEEVKVDGEIPVEAID DV

>comp6991_c0_seq5; 239 272 1015 LEN=1245; translated
MMHLSPLMSDYIVGTKWEGIITVVLAAFWSATVAVVANAATGLAVDASMDNTIVNGNLYY
FSWAGFVTSILLIIIEYLRGVFGVDVYGTVRNRAARLTLWAGLLACQLVVLGASANIFDFTD
CTDFNGYAPESAYCKRRTKYGLSLGVIGTLFSLVIVAMKMLTTVAPVVVEGVLAFLVLCIMN
GCGVAFLTSAEGPGSPIGNLYYFSWFSWLVSFVLLASVYEDYRGMRTPENEEVKVDGEIP
VEAIDDV
>comp6992_c0_seq1; 300 199 1134 LEN=1327; translated
MTVDSAPEPEPAVEVCLTPPASPRTATPHSHLLEAYETLKTKEKESLTALVLLKTADEANV
QLELDETRKRLLEEKTKKMEEMDDRLKLSVSIIECQLSEAEGSAMDQMCATIKERDLWKDK
ASELESKLEQLQMKESLSQEVETLTSRDLQTATIETSRQEIARLTKDLLSFEDRFSSL
ADKAVEAIVSGSGTSTGDNRQEPGQESQNEQDERVRTLEALVKELRSSAESNSALLT
KLSEQKKQWDTERRAALQHKIAGLVEEKESIEKEVAEIAELLEKDKQQRYSGATEIEVNV
LNPTKPSSVVE
>comp6993_c0_seq1; 287 121 852 LEN=1006; translated
MSSLTPEHRREEVTASAWNDGMVNGAMMFVPTLGLLWAMKNPRFRKLTNAQSRTAIIM
PPLFTFAVTSEQKLTHRMHEVASESEHNLETVAWAERAKNKGTTSEEVQLRQLYRQSILD
TGVRLVDTPTLSAYQSTANFVQSNPFKICIAAIGMPVAYIFYGQGSKNGVAESFQMRLH
TRVFGQFAVICTLGLVMSLKEVMDRYGRYVTEDEIEARVREMEQTRRLLTKQEYQNALR
RPS
>comp6993_c0_seq2; 257 275 802 LEN=956; translated
MSETHNDKTTRAAQPKTHRQRQTVAWAERAKNKGTTSEEVQLRQLYRQSILDTGVRLVD
PTLSAYQSTANFVQSNPFKICIAAIGMPVAYIFYGQGSKNGVAESFQMRLHTRVFGQFA
VICTLGLVMSLKEVMDRYGRYVTEDEIEARVREMEQTRRLLTKQEYQNALRRPS
>comp6996_c0_seq1; 169 1 1373 LEN=1477; translated
XHQRKRLD'TTLHDETATTRYFRAQTMVDLVPGGLSRTCGRHRQWVPAFLWVWVLLSSSG
RLPQRHHTQEGPPRGKGRPPAVSVSTPGTGPCSVLGFSA TPVAPARRNRASGGDRRRGGR
SGGSLSRVHGSFRPPPTVLPGPSAGEDPGVEPERATDTRIEEVSIIEFCPCGRWGPRAF
ATELLSVHGSEGGSTDTDAGNACAPGRIGGVSVVPADPGVYRITARVGGSEGWVLLWDR
TEGGFPMDGRALAEVRDRLAGDPSFPPLAPPEDGETSAPVAVVSYCPGGLPGSGLRR
SYYGQELLATFATGELAGVSLRPHAGDPGNLRVGLRDDGDPNRWLWDARLHGGAFPQP
KDLKRLVRD'VDPKDLGHS'DVSRGAGGAAASGPAMEADGGECRSCETS'DAGSNSNGENE
NDDGDDEHNDDGNSNDGFGFMDDDDAE'EARRYFGVM
>comp6998_c0_seq1; 628 577 2382 LEN=2602; translated
MPIPFLQDPNNHNSYQIGFSLSKDVKAKLNNFQPTIVHVTVPDVTCLHLIQYAREKQLP
LMGTYHSNIPEYFTHYQIGWLKHFAGYERHQYNFLQRLFVPTPFIRRHLMTEDHYRLQ
NVTELK'VWGRGVDLERFNP'SHRSDYRSRYGFAPNDVVV'TWVGR'LVPEKRPDIFAYVRR
LAREGIPFKALIVGAGPSE'NEMKSLPNTV'FAGWASGDELAVAYASSDVFLF'PSAVETFGN
VTLEAAASGLPVVVDGGCSGHLVQHG'VNGFACKDGD'AEAYYKGTLSLVLDKSRREAMSKD
GRKLSLKYEKRVVCRK' MIDNYSTITEEFYGLYQGDHANRDRKYEQK'PDSFSLSGCYVRPTS
LILVEFV'FILIFRIMYRIAQCLNKIQ'RLFVSI'GTRK'VSTAKGEAVVASLSKELQSQPFSP
SSVITAPTDDSSSNATENEEDLTSYS'DMEEPSDDQDTSS'IASSCCSVSSTTEKNR'LPIS
HVIAILFVKAVRAQGLIECRIRK'WYCR'TMLPSSSS'FSEDIQCKQ'RKRCSEELTPDDLYD
SDMIALQLKESLLPNSCCNSV'ASTRSSENSLEEDKDAIVK'PTTADKALDPRKATSSSNLL
V
>comp6999_c0_seq1; 247 492 1082 LEN=1202; translated
MRFLIIRHKSPLIGPPP'GCRSTIATSTKHKNLELEDLVEIIRSDWKPDRQHKGYITGR
LNTT'IYRDCWFDGPD'PMPVRGVRKYLNAASQLFDTSKSTAELLAIEIGNDAERNHVPK
TKSTIVAYWKLQGV'LHLPWHP'SLPTWTGRTVYHLDEENMIYRHEEHWDISVLQAF'TQTLW
PEVGNVLWET'TTPDAK
>comp7001_c0_seq1; 431 1 1564 LEN=1860; translated
XLNNQGLKAQAFSPLAVGSRVASMK' MIGGSFLSLLPQGLFNF'AVDGGVCGKMSEMS'EDKV
RKRRRDNVGGSRTPLLVV'PPTGVFACGNRVLGHENS'DENDRPRKRM'RGESKIDDFV'ASSP
STPSPVVEETCDCC'CHKPVQCHEDL'KKSQNSDLIKKLP'GDAVAHCL'SFLGSTEDR'HALQN
TCKLFQAI'NSNDPMLS'KVDVFGNLETGKGGIIQ'ENDNPATASAAL'APFARAGNLQALYML
GIVKCYCYQDLKNGILMLK'IASTRGFVRSYTLGIILR'DALADEAAK'FMEIAAAK'YFPA
LQEILPAREMKERF'GEPNADELRRHLD'PVGLNRLLLR'DYVNSAELRGMNT'SHCWN'PLCGK
WAYKASSNSGCANNSKVNLRMR'SAAAQVQPTYD'VDENMLD'TLSPSNNNEEGT'LSPHRGG
GIQRL'LGTTNSNSLGFGR'LRPHYHAFDSVAVYLSKDRR'VGLSPSPKVTQALAWN'ENG
EVD'RVARMKMC'RRCCRAKYCSKLCQVYDWRSSQHKMECQFI
>comp7001_c0_seq2; 367 1 1287 LEN=1583; translated

VCSSDLDRPRKMRGESKIDDFVASSPSTPSPVVEETCDCCCHKPVQCHEDLKKSQNSDL
IKKLPGDAVAHCLSFGLSTEDRHALQNTCKLFQAI SNSDPMLS KVDVFGNLETGKGGI IQ
ENDNPATASAALAPFARAGNLQALYMLGIVKCYCYQDLKNGILMLKIASTRGFVRSYTL
GIILRDALADEAAKFMEIAAAKKYFPALQEILPAREMKERFGEPNADELRRHLDPVGLNR
LLLRDYVNSAELRGMNTSHCWNP LCGKWAYKASSNSGCANN SKVNL RMRRSAAAQVQPTY
DVDENMLD T LSPSNNEEGT LSPHRGGGI QRL LGT NNSNSLGFGR LHRRPHYHAFDSVAV
YLSKDRRVGLSPSPKVTQALAWNENGVEVDRVARMKMC SRCCRAKYCSKLCQVYDWRSSQ
HKMECQFI

>comp7002_c0_seq1; 643 564 2804 LEN=5040; translated
MTTF SHIPSLV L DSNTTWYSPDLFTNAFNKSTAGVTLRMLTTVIVCFIIYTYTCVLIWEE
WIQNLALRRVYYLEYNHYERRKSELEYLQKLEDPEDINTDRPIFVVHPEFRDTPVNI GL
YSVLFRLPGVNLEDDESRASNSDSGVNRQLKVAIEFFDKIVPNQPGFSSSIAALTILPDT
KRLSQAWKKWFECAGKVRRLKFI RQRLKELENDKNIRSVDDADHQQNI SYTEVSPSHGIQ
RLYNLDS DTHDALPERNTGPRTRVSRRAYVGSELETARRTASIEIREETNMEMYLNDD ET
EQMAVYYREFARSSASCGRGCDEHSIRQADYTTLKDFEQEAAEEVHLAIQELHTARKQI
KGEETSLPEIPEIHSTPSDNLVIKDEDDHELDFPDDVGELSSHADVERGDFSDTGNMFPN
VTLSLWEEAEKLVGTEQYMVKLGNOVLKRKLNTGRWYNPFKANASEDSRSRSRRVMEKF
IPSGVLSKIAKSESYAVVTFSTRQAIAARQCLSDGSGLEGWREVDKIPIPPLADAVPWN
IFDCRGCCR PVTVTIPPQQRFRFKIVVLF LIVFSTIWTYPFYLFTSATTPEALVKAFKE
VPNIEFYAQYLS PWNLSGIMILFFAILPQIFKMLANS DGASTSIQEAERHALVYYWVWML
VFV FAGKSLGNIVWSAFRNNQANLESATSILQDLAKIVPTTQSFYWITWMITQTGIILPF
MYFLQFNNFMFTALRWHCCARATAGG

>comp7002_c0_seq2; 838 564 3698 LEN=4953; translated
MTTF SHIPSLV L DSNTTWYSPDLFTNAFNKSTAGVTLRMLTTVIVCFIIYTYTCVLIWEE
WIQNLALRRVYYLEYNHYERRKSELEYLQKLEDPEDINTDRPIFVVHPEFRDTPVNI GL
YSVLFRLPGVNLEDDESRASNSDSGVNRQLKVAIEFFDKIVPNQPGFSSSIAALTILPDT
KRLSQAWKKWFECAGKVRRLKFI RQRLKELENDKNIRSVDDADHQQNI SYTEVSPSHGIQ
RLYNLDS DTHDALPERNTGPRTRVSRRAYVGSELETARRTASIEIREETNMEMYLNDD ET
EQMAVYYREFARSSASCGRGCDEHSIRQADYTTLKDFEQEAAEEVHLAIQELHTARKQI
KGEETSLPEIPEIHSTPSDNLVIKDEDDHELDFPDDVGELSSHADVERGDFSDTGNMFPN
VTLSLWEEAEKLVGTEQYMVKLGNOVLKRKLNTGRWYNPFKANASEDSRSRSRRVMEKF
IPSGVLSKIAKSESYAVVTFSTRQAIAARQCLSDGSGLEGWREVDKIPIPPLADAVPWN
IFDCRGCCR PVTVTIPPQQRFRFKIVVLF LIVFSTIWTYPFYLFTSATTPEALVKAFKE
VPNIEFYAQYLS PWNLSGIMILFFAILPQIFKMLANS DGASTSIQEAERHALVYYWVWML
VFV FAGKSLGNIVWSAFRNNQANLESATSILQDLAKIVPTTQSFYWITWMITQTGIILPF
MYFLQFNNFMFTALRWHCCARATAGGGPGGVVYR VYVNSGVIFLCVVALAPLCPMVAPF
STLFFLFITPLLKWFIFVYRPTFDAGGMRWPLLHRILMISVIVSQILLALSFLK KAYL
LVLICVISIIP TWTFTKTVCEDTFLQSFDDAALLQ TSEL DGWNVNEQMSFDERERYR KWI V
DCHKAAYV P VCVNAEDNYLTSEPAVVVMDGEGIRSEDNLFQPGETHDSREQSSTSSVMT
NGRQRTSTIDSYNLSRSQKNYGNRQPGAIYRRMSTRFIHLNSTGENNTIIISEECESK GSP
NFSRQFEEADLSTFLNEDTDKSL

>comp7003_c0_seq1; 656 41 1426 LEN=1560; translated
MPKAKKL RAPALVSQQVRHEPLGQVIEGDSQRGSKYAPSTSRKRKRKDQVGEGEFLDEKT
SRKILDMSREQQIEEEIEEQRSWHQKNRRQQEQQAIGKKMLDSDDEEEIEEIEILEEG
EEDYIENDQGYVNLKDGALGLSAEDEAIVAAMNSGGGIEERKTLADIIMEKIAEKEGEKH
GDMDEDDEGLPPLPEKVVEVYTDIGKILSRYTSGKLPKAFKVIPSLSNWEQVLYLTRPD
LWTPHAMYAATRI FASNLS PKLAQRFYLVLLDAVRAD IYQNKLNHYHYIISLKKAVYKP
AAFFKGILLPLCKEECTLREAAIVASVLRQVSI PVHSAVA IHKLAQMKEYNGAASIFIR
TLLNKYALPVPVIGSLVRHFASFLHDERDLPVLWHQALLTFCQRYKNEIQDQARESLRL
VMKAHFHHKITPEIRRELFGASAWKDERAAASTQGGETSMVM

>comp7004_c0_seq1; 300 33 509 LEN=744; translated
MSDEDYAIESTDAGASLTIPMEAGQIKKGGYMMIKGKPKVLSISVSKTGKHGHAKCNFT
ATDIFTGKKLEDMIPSTHGTVP IVNRADWEI IDIDGDEL TLMDEGGNQKTDLNLP TYPD
SMAEDIRTAWADGENTVQVTVQGA V GIEQVIAWKKVDN

>comp7006_c0_seq1; 167 94 456 LEN=1059; translated
MFFLFFSTRSSKAYGGYQHSGYHQHQQQPYGYQAQGGYQQQPQYGGGGYQNSGYGGGPP
IQPYQQGQYQQGPPQ GAYGAPPSAPPVSEWKTATAPDGQTYYYNERSGETSWQKPPGMP

>comp7006_c0_seq2; 697 140 1843 LEN=2446; translated
MSTDDTAENATEAVKRERPEDDNGTQEPSSKLAKNAEADDPSETKTEANGASEIKTEADA
VAVPTAQAEAEESKEVATGQNEIIQTEGSKETTESAPKETAGAGAGETATPTGLPSGLP

TSEGQPVQAAEIPNIEATLEEKGEVSAVYVGRVIGKGGEMIRDLQARSSCRIDVDQNVPP
GQPRLLITYRGRKTIDFAKQLVRMLCQENVNEADLPLGDAKREFLVVPATSVGKIIIGRGG
EMIRELQSRQAKIQVDHKGMSGLDSSEKQVTMTGTEIAVVKAKEMVLFLVANPMMDAMQ
SLTMLVDDKIQRNGVWGSPPYPNLPOGGQNMQPTGGGGGYGYDQPYGGGGGGHYGGGPQ
SYQQPPSYGSGSGGMESEIFFAAKHVMGRIIGTKGVTINDLQKRSGCDIQINQDVPPGRD
CEITLRGMRQGIEMAKNMLREVIDTGNHPYAGGSGGNSYGGYQHSYHGHQHQQQPYGYQ
AQGGYQQQPQYGQGGYGQNSGYGGPPPIQPYQQQGYQQGPPQAYGAPPSAPPVSEWKT
ATAPDGQTYYYNERSGETSWQKPPGMP
>comp7007_c0_seq1; 281 249 965 LEN=1026; translated
MTLKKYILTLIKVFGLCFSSSTAAEDESSESHVLTCAATTKPSGCSTEPSSPTYTNLPSGAQ
KFQVRNVYDGDFTFLIDERRVRLGVDTPEMKPPQPFKEAKEYTKLRNCKEVLWLLIDG
KDHYDRMLAHVFVEDTSGNFLCINEGLVHEGFANAYIPKKDKKTFNWKLLDLQRGAREN
KRGIWKSFVDATVYKTTNGSAYHKRTCSSLNIRKLIIEIKISEATDQGLHPCRSCMVG
>comp7008_c0_seq1; 511 1 1704 LEN=1837; translated
VSDFAKCDKDTGIATASIVILVFEVSI SERKHQQEKEVANMERQVILSVIVLVCINVM
DSIMGAVVGPTLIFYVFELGKNKDDY GMMKSVVLSAMIAIPLFGNWVDSNGNKYLVPYL
TSFFLGIISFVMYFLVILLPKGP IAIYSLMFSRFLDGAAIAGR TLSYSWVASSIPP NKQR
TIF TLLSSSRTLGMVLGPLTNYLVSEINTEITIFGTTIKIDPNNSIGLLMVGGEIILIVI
TLLFFQEPPVKDDK LKSTTETS SVTESKGVFYAL THFDIFFPVFTMFVVG CNFSL LGTAF
SPVARNMGWTPVNI SEVTAYGSI IMAFGMVAS MVVTTTRDVSDAQMLLFGFGTMMFFSGFFM
YEW WIDGVGYWRFTLPMYLVYFSYPFIGPANRSRYTQAVHSNKELEGSHGIMMSLINQAG
AAAGLVAPT LVASFVLR TQEDIDASPDKHQLTPGGLYVP IFCAVIITGVIYQH FTEIRTK
NEPVGDTGADSESTKLLSPRENRTPRASVVEISETFSRASEVNR RMSVDCMGISNPVETK
YEQELATK LLEDKKIWEELQELDEIED
>comp7008_c0_seq2; 292 1445 2230 LEN=2363; translated
MGWTPVNI SEVTAYGSI IMAFGMVAS MVVTTTRDVSDAQMLLFGFGTMMFFSGFFMYEW WID
GVGYWRFTLPMYLVYFSYPFIGPANRSRYTQAVHSNKELEGSHGIMMSLINQAGAAAGLV
APT LVASFVLR TQEDIDASPDKHQLTPGGLYVP IFCAVIITGVIYQH FTEIRTKNEPVGD
TGADSESTKLLSPRENRTPRASVVEISETFSRASEVNR RMSVDCMGISNPVETKYEQELA
TKLLEDKKIWEELQELDEIED
>comp7008_c0_seq3; 616 151 2100 LEN=2233; translated
MLPVP IEWRVMCNSDTHCFPELLCVYVQESFGPSFVIGMSFDSYVSTRHAGEM LGDNSF
RLLFVSGSAYDGLQEKSPLYFLTLDNSFRILIKDTGIATASIVILVFEVSI SERKHQQEK
EVANMERQVILSVIVLVCINVMDS IMGAVVGPTLIFYVFELGKNKDDY GMMKSVVLSAM
IAIPLFGNWVDSNGNKYLVPYLSFFLGIISFVMYFLVILLPKGP IAIYSLMFSRFLDGA
AIAGR TLSYSWVASSIPP NKQR TIF TLLSSSRTLGMVLGPLTNYLVSEINTEITIFGTTI
KIDPNNSIGLLMVGGEIILIVITLLFFQEPPVKDDK LKSTTETS SVTESKGVFYAL THFD
IFFPVFTMFVVG CNFSL LGTAFSPVARNMGWTPVNI SEVTAYGSI IMAFGMVAS MVVTTTR
DVSDAQMLLFGFGTMMFFSGFFMYEW WIDGVGYWRFTLPMYLVYFSYPFIGPANRSRYTQA
VHSNKELEGSHGIMMSLINQAGAAAGLVAPT LVASFVLR TQEDIDASPDKHQLTPGGLYV
P IFCAVIITGVIYQH FTEIRTKNEPVGDTGADSESTKLLSPRENRTPRASVVEISETFSR
ASEVNR RMSVDCMGISNPVETKYEQELATK LLEDKKIWEELQELDEIED
>comp7008_c0_seq4; 467 1 1834 LEN=1967; translated
VSDFAKCDKDTGIATASIVILVFEVSI SERKHQQEKEVANMERQVILSVIVLVCINVM
DSIMGAVVGPTLIFYVFELGKNKDDY GMMKSVVLSAMIAIPLFGNWVDSNGNKYLVPYL
TSFFLGIISFVMYFLVILLPKGP IAIYSLMFSRFLDGAAIAGR TLSYSWVASSIPP NKQR
TIF TLLSSSRTLGMVLGPLTNYLVSEINTEITIFGTTIKIDPNNSIGLLMVGGEIILIVI
TLLFFQEPPVKDDK LKSTTETS SVTESKGVFYAL THFDIFFPVFTMSSWDAILVCKLFLC
FCCLFQDFEAPDKLVFETFLKELLFLFIYFHILQWTCRLGTAFSPVARNMGWTPVNI SEV
TAYGSI IMAFGMVAS MVVTTTRDVSDAQMLLFGFGTMMFFSGFFMYEW WIDGVGYWRFTLPM
YL VYFSYPFIGPANRSRYTQAVHSNKELEGSHGIMMSLINQAGAAAGLVAPT LVASFVLR
TQEDIDASPDKHQLTPGGLYVP IFCAVIITGVIYQH FTEIRTKNEPVGDTGADSESTKLL
SPRENRTPRASVVEISETFSRASEVNR RMSVDCMGISNPVETKYEQELATK LLEDKKIWE
ELQELDEIED
>comp7009_c0_seq1; 171 364 727 LEN=727; translated
MERAHTLSDCRAPIDFINRFAHNSVSKKVKTKSNPIQFLKIQTMFSSKILFAFLLLAASV
QADLRGASSSVLDNTRRELRRAMKMGKGNKPNRECR TLMKACIESGSTKEECRALYPDCK
RX
>comp7011_c0_seq1; 243 1 714 LEN=1550; translated
XICFSS IETLCFGEHVERNERNNTNGLQVSISTASTKLN DLKRILADEECFGPEEAPVRR

QRIFHLGREFKSGGRSLSNLGLGRFNNRIIHLSSIRPCEEEECERNGNAGFGQQQSPVAAVGA
RKRRTDGNAGGEEGVDASSLLPLPVSSPLQSSFLPPFPFMNQNALGMNNDNDPDNRLN
NAIHASNALCEDRGMPTTYTNTNTNSNNLTANNNSAIDLMDSSDDEEVEVIEIS
>comp7011_c0_seq2; 326 91 783 LEN=1619; translated
MNQEEPVTFTVVRTSDAATKEVSISTASTKLNLDKRI LADEECFGPEEAPVRRQRIFHLG
REFKSGGRSLSNLGLGRFNNRIIHLSSIRPCEEEECERNGNAGFGQQQSPVAAVGA
GNAGGEEGVDASSLLPLPVSSPLQSSFLPPFPFMNQNALGMNNDNDPDNRLNNAIHASN
ALCEDRGMPTTYTNTNTNSNNLTANNNSAIDLMDSSDDEEVEVIEIS
>comp7012_c0_seq1; 366 89 1069 LEN=1110; translated
MPKRKSSSVKDALSDVLSEREKALEEGEEKLRREEREAELEAEAEKASFYGETKPSDV
LHLNVGGTKTSVLRRTLTSPVGSMLAARFSGRWDDSLKDKDGHFFIEQNFETFEIMLKY
LRNKANGTEKYSIASPSLRREQKQDFYRMLHYFGMTDGIYPTKLMKTVPKIEDAVEIIG
TKKVIAKEFTTFQMAPDGHSRRVKGFEIRLGTQRIQVGSYKNDVMEKSVGHYEGSFA
LDLTGSSFLVGGGAKRLSYIEHPEGTVVRSENFGRWTWYVNGELLTVNASNDQVEKIWRRY
WSNLESLRPLISIEGEVEVTSVELVD
>comp7013_c0_seq1; 148 1 1178 LEN=1178; translated
XENKDSMVERNEKFGYIPLVEDIWDPALQLSTLCILVFVIFQPDGLCKTKSRSLTFW
VTIGAVAIATPETTLNLILSTI IHTRSTYAYIIVIPHSFIAAATYRSKHGNNVHYLQSF
LAFFLYGFGGSIVSDDLMLPVTALSHARIVPCYIIGWSLVWLFPFLLFKKYSNTSSSL
HYFLNACEAIDSVTTPMGRISRSARELGNKTSAPIVAGLFAGFGGAGVRHAVGESASIAA
LEAGFWKTLSSYLLWVAVHKCQDEGGNIPNEQERDIMRENNNCDSSYSGDLLRLIMVG
TAYTLDDTSWNGPGEWAPTCMVLQGGHDQKNRIRIRIPFSDSPGIRSETFAEKGEQQKE
EYRKNQKTGLGHHHKEKLDLSHKLATTKRKSFRX
>comp7014_c0_seq1; 467 172 1293 LEN=1450; translated
MNRAGSFTSSNSWILPFMLGASTSLSLLWISKKLEILIIATSSTSRSDKTKPREMKQDI
LDHEELSFRMLRKA EAVIQWRTSRLILVIERCTNDHNYSAILRRTAEALGIQTVYIMIDPPA
VMEEDGRRKGTQKEISRTPEEIEQRRLHHIFAQNATEWLTVRDFDSTEDCIACCRKEGY
KLWVTDLSQEA EALDIYNPDSNEIPEKIALVFGTEAVGASTYMLEQADKRIYLP LRGYAD
SLNLSVATALITQALFFMDPSLIGAMNEGERKRLRTAWFTKLAQQRILSSKQKKNRKKLA
SLVKKCETIDKRLKEEPNYHIQPSEQKRLDEWGSYNRELQALDALIDPVKVQKGESSLLE
IRLVCDLPINEIF
>comp7014_c0_seq2; 506 172 1479 LEN=1595; translated
MNRAGSFTSSNSWILPFMLGASTSLSLLWISKKLEILIIATSSTSRSDKTKPREMKQDI
LDHEELSFRMLRKA EAVIQWRTSRLILVIERCTNDHNYSAILRRTAEALGIQTVYIMIDPPA
VMEEDGRRKGTQKEISRTPEEIEQRRLHHIFAQNATEWLTVRDFDSTEDCIACCRKEGY
KLWVTDLSQEA EALDIYNPDSNEIPEKIALVFGTEAVGASTYMLEQADKRIYLP LRGYAD
SLNLSVATALITQALFFMDPSLIGAMNEGERKRLRTAWFTKLAQQRILSSKQKKNRKKLA
SLVKKCETIDKRLKEEPNYHIQPSEQKRLDEWGSYNRELQALDALIDPVKVQKAVQEWID
NPPDALTDVRRADTHRVCVFGKNTRDFHKEHWKDMVATSNKGTVQGITATAFREKMGIES
MGDTSKLHKSGQDSA
>comp7014_c0_seq3; 390 1 1041 LEN=1157; translated
KTFFQDHNYSAILRRTAEALGIQTVYIMIDPPAVMEEDGRRKGTQKEISRTPEEIEQRRLH
HIFAQNATEWLTVRDFDSTEDCIACCRKEGYKLWVTDLSQEA EALDIYNPDSNEIPEKIA
LVFGTEAVGASTYMLEQADKRIYLP LRGYADSLNLSVATALITQALFFMDPSLIGAMNEG
ERKRLRTAWFTKLAQQRILSSKQKKNRKKLASLVKKCETIDKRLKEEPNYHIQPSEQKRL
DEWGSYNRELQALDALIDPVKVQKAVQEWIDNPPDALTDVRRADTHRVCVFGKNTRDFHK
EHWKDMVATSNKGTVQGITATAFREKMGIESMGDTSKLHKSGQDSA
>comp7014_c0_seq4; 351 1 855 LEN=1012; translated
KTFFQDHNYSAILRRTAEALGIQTVYIMIDPPAVMEEDGRRKGTQKEISRTPEEIEQRRLH
HIFAQNATEWLTVRDFDSTEDCIACCRKEGYKLWVTDLSQEA EALDIYNPDSNEIPEKIA
LVFGTEAVGASTYMLEQADKRIYLP LRGYADSLNLSVATALITQALFFMDPSLIGAMNEG
ERKRLRTAWFTKLAQQRILSSKQKKNRKKLASLVKKCETIDKRLKEEPNYHIQPSEQKRL
DEWGSYNRELQALDALIDPVKVQKGESSLLEIRLVCDLPINEIF
>comp7016_c0_seq1; 189 235 1038 LEN=1755; translated
MEESILQTNNDGVSLLRAGNNKGMVRLTRSLAIMKKCPLEGERQVRYRFLQSSQHTQTN
TDPETSRRIPRYIFGSPIEVIACAQQEGTSRSTSFSETSFLTDTEGRTCKLLSIVLFLNS
LAHHLWAQEVSEKIYHNVRDELSRSHEVCSALTKTLRLYELCHSTLIFSSGLLCSDLPI
AVVVKSNVGEVHKELDYQLGQNEQGLYLLNPHQYDRNKSAIACSEQLVQIFMFFFTANGEA
ERLEDFSDIFSNAMATLNGRVVFAPAA
>comp7019_c0_seq1; 140 291 560 LEN=769; translated

MESQQQPKSVTASSDQYVPETIREGFEEKIIGQGAAGFVLGGMAGIVLSRGGSSSARRVLA
GFGAGVGMGSAWTRTSMIDIEEFTSTFKKS
>comp7019_c0_seq2; 140 211 480 LEN=689; translated
MESQQQPKSVTASSDQYVPETIREGFEEKIIGQGAAGFVLGGMAGIVLSRGGSSSARRVLA
GFGAGVGMGSAWTRTSMIDIEEFTSTFKKS
>comp7019_c0_seq3; 140 363 632 LEN=841; translated
MESQQQPKSVTASSDQYVPETIREGFEEKIIGQGAAGFVLGGMAGIVLSRGGSSSARRVLA
GFGAGVGMGSAWTRTSMIDIEEFTSTFKKS
>comp7021_c0_seq1; 296 97 1077 LEN=1335; translated
MSPLTDVSNADPAKKKSGKTTKKSREVLSTEEKILNRFTQTVDNAPPSMNRSPELIPLY
MKWEDTKKLRLLVSLATDYAETARTMHESRSKLVNQMAVLSSENSPIFDSVGETTSLGKS
LKAIQSIREEPPVGKRATISQIVKSSIESESRSLSLQEIIVTTQGI IQERDFRAQVIDY
ATEWEKVVSEKVESELKKVRALQGTRSHYEKKLEKLRQWADDLQKKGKSIPPAQAEKLER
NEAKLLEAFEAEHQEAGRLCVLIEEATTNGWRELYHLVKYCKWESFRVEQESNIYSRLL
PTTLESMKAAFKENPSSLSTNKNAKP
>comp7021_c0_seq2; 296 97 1077 LEN=1335; translated
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MKWEDTKKLRLLVSLATDYAETARTMHESRSKLVNQMAVLSSENSPIFDSVGETTSLGKS
LKAIQSIREEPPVGKRATISQIVKSSIESESRSLSLQEIIVTTQGI IQERDFRAQVIDY
ATEWEKVVSEKVESELKKVRALQGTRSHYEKKLEKLRQWADDLQKKGKSIPPAQAEKLER
NEAKLLEAFEAEHQEAGRLCVLIEEATTNGWRELYHLVKYCKWESFRVEQESNIYSRLL
PTTLESMKAAFKENPSSLSTNKNAKP
>comp7024_c0_seq1; 181 1 605 LEN=658; translated
XGIDHSFIHHKSLLLILYLEKMLMRKNNKNGVRSTAVFLVMFLFSLTSVVTSTRAHSSSFST
SFETASSPFNTNGKTYFLHDKDTARRPLEGNLARELALLSTTYGIDESWKLVPKGGWLIP
AGYNPFQYQITELGQKFLFEDGSLSDIGRFLASVKSRRKFEAIKSQWLEILRVSKKQGS
MRIYKSLEELISFCLKAGFLD
>comp7025_c0_seq1; 901 149 3595 LEN=3684; translated
MTSDSQENINISTANSSYDYDDERSAEILSRIQNETNRIKRRNRDFVEGAPGTPGGNS
SYDDISLGGSLASSSQGSPQKLNWINDIVSSKRSNQRSSEKGSNFLSQETTKDHRTHLT
VELKRTSPHKSNNRHESEPSVSSSDLIYSGIELKGSSGESTSSKSGNSVVQSNQRKSS
FFPLRFSKNMSTTAAEIHKENEAFRKKLIDEVLGKESGKVPMEKVMMI IWQFRDDKEVI
KFMTRFVSKFAGHRDVFEGIEFYLPQLAHMI IHLETEWDDAILERFSLVIAQQSIHFALQ
LNWILAGAI EDYQPELDPGTPNPNTHNPLYVRCVKLLTNIERCVVYRKPRSRELQRLYEK
GNITKAEMHSLEQADRRFTAMQITANTPEVEDEE IFGGELMYKRAVRTSCFKFKRWKKRY
FAIEERMLNLCYNVEGGTLVRSMPLEGATVQVMKSKYDNMFRVTNRSFEFIRASSLEER
NKWTKMLGTEASTRRVFGHTDASLALDDNEDAQRVIEELTPSQDRYHFYRQERDFVRRLL
TDVAEDLRFDPADRKKEAPGLMKKLEIPSYSPMLMSSTDIFRRIHSALWKDTRVFNTK
ARCPTVMYFLGVRGELEYKGRHANMDIAEYIHLKFDSSLDLDRDTRKVTTFENGQEMLEV
KMDTFPSPSLDEKETLVVKKVVPTEIEGDENEKSSNDLTELDRPTDSKSPDFSTPQKEDR
SSMVWGSFTENAVEATPNKRQSGKSPVRANRQLRKFLRESMVSMPRKLAAHHLERKQGR
QSHNGSSRSTISDVP IAMGRRSSETHGIGEAVYVGKSSVREQNKILKGKLRAGDIDQES
MARAKEIVCGGETWAEKSFRLMELGKDKPEDKVVHLEIVCLLSKSNDDLROEVFVMQMIH
YYKSVFIAADLPLWLKTYKILSTSASTGLLEFNQDSTSLDGLKKSEHYPAEGGLKYYEN
TYGGPDSKSFKAAQRNFMQSLAGYSVVCYLLGLKDRHNGNIMIDMYGHLIHIDYGFCEMGM
CVGHEFTMERAPFKLTEEYVEVMGGSSECYKEFVHLFVEGMKEARSKCQIALGLVEIMM
FKSNYPCFSGRRYGGGQALRGFRERLMLDVPDKMVERRAKALIESARNHWGTSAYDKFQK
WSNGYAI
>comp7026_c0_seq1; 159 393 617 LEN=2413; translated
MIMGSRSRNRGIGLMKCFPIPKKGRDSEHWDVFKQKYPTDSFAKTSLYGKGYVYASRR
NKCMGQSLIKNVFG
>comp7026_c0_seq2; 159 523 747 LEN=2543; translated
MIMGSRSRNRGIGLMKCFPIPKKGRDSEHWDVFKQKYPTDSFAKTSLYGKGYVYASRR
NKCMGQSLIKNVFG
>comp7027_c0_seq1; 263 386 736 LEN=1014; translated
MSGSGDYNPPSADGGNMGGQSRMTVAMQQQDAMIDELAVGVGRLRDQTQVIGDEARMHVD
LLNDMEQNLDAAHGGLDSETRRAARLKEDQSVWRLQLMVAGLCVLFVLLFFMGMSP
>comp7028_c0_seq2; 56 1 375 LEN=375; translated
XPEAGPEADPEAGPEACPEAGAXSRSSFSSTETFFEIARHGVRLLIDGVAEYERRRVGRN
LGGGANVAQQDGLAIRDERHVVANLRQRINADQEP IQDTMDDMALAAEIGLNGGRLIGE

VGNLFP

>comp7030_c0_seq1; 223 527 721 LEN=1076; translated
MPYENLNATINDTITFFWDDDENHTVYINPTGNCCDDTGSLLIGDSSPASYTFTETDALNT
TNYN

>comp7030_c0_seq2; 618 100 2097 LEN=2452; translated
MAATRTRASAMMLKSMMDSAKMKHLARSHLFLSPQAGLKRNSFWRETMESDVLVYDFQDG
CPPGERGNVMKGLHQAHEIYPNTPLSVRVTELERDKKTNEGTSITYDELSTSLKQKQVYW
LMLPMCNDTRDIQEYIDMINHIDEDWLKSHGGLQIICETPLGLHNLDDMLANYPQVKGVI
AGSGDYFRFAQCRDDTLLPKFRWEIINACL RHGVFPIDAPPLVLGIEDGAAIDHFQGGAN
AGYRAGLILHPKQVRLSNEIFSPCPSYLEECERLIDPWLQERETGYVRASGDHFRGPPHL
KQMHWSLKYDHQIRGKKTSHIQAVDPDLFADVASLLSKAHRVTDKASENGVTSENETSVE
RFLNNTSMFLALSSSCHDRHEDVLTNLGYFNVEISATEDGTPRS YKEGAFVASQIKGRRLT
SAGKLIVTTDVHVLDKDFKTICKMEKRLMEKKNLNFDDHAEEGAYTHVDPRATPRYTRFTT
EIVRSITDGAVCINEAKDKTVSVDVHDDYCSILNLDAPLHHTHKAVSDSKIKNKEDNLAK
PVVPSTLHISHHDIQGIMNEGYDCRNVTFHSPMRPEDEFTNRKYVVEEIGSLFDRNSST
TTKHE SAAMGPGFLSVIWNANGELLSSILLSRNSINDTGSLLIGDSSPVSYTFTETDALN
TTNYN

>comp7031_c0_seq1; 427 885 2526 LEN=2526; minus strand; translated
MSYHVRLPRLNEPLVTYSTRAPNYPIGYSCAHTLVHSSNGIKGIDSSPHDPMNLSHSE
ESMVLSETFVPIPLEFFIPASLSGDYDKIYSNVEALQWSILNEVAKRSGLAKGCKVNVQF
DDRPLLTALTSLNELHSSATPETTLRHNSDQHTTLSVSSNARSSSQNQGNQGNQRNR
RARTIGTNRRLSRLPYPM SVYSIESTRPQWTGKQNRH SKLFTVLDYV FHPVPLTDHFFP
HHKIESCSSEMIHSDESESQCF TAEITLEVFRGTTGESNLIEEYIQSIVHNQIALDASQ
LFVEDIFGLKWSSVQEASSLTQPPSNSSQESNGPISFGPENVEDSSDSIGTTAKDKSNSL
FASIIPIIATACIVFVWYCTRRYYNRDRKRARGARDHQEKSQAVVRGMKQSTDIEIGIV
RTETTQSSHDQLSKSSNSNGNPEDEVISATASSDTISSSSSSSTSLKSI SATSDFSDRSIT
GLPPRPNVVKREGSKQLKPKRKKKKRRKKKVMSLQ RINSRDNISEMPMISESESECDSES
GGEDEDYX

>comp7031_c0_seq2; 524 885 2739 LEN=2739; minus strand; translated
MSYHVRLPNRRALRKEDQHQRMRKENEALNPDLQWTFIGTKRVSNSESMDEEDD SGLHE
NGDYVSVVQKDEAAFMYLPRLNEPLVTYSTRAPNYPIGYSCAHTLVHSSNGIKGIDSSPH
DPMNLSHSEDESMVLSETFVPIPLEFFIPASLSGDYDKIYSNVEALQWSILNEVAKRSG
LAKGCKVNVQFDDRPLLTALTSLNELHSSATPETTLRHNSDQHTTLSVSSNARSSSQNQ
KNQGNQGNRRRARTIGTNRRLSRLPYPM SVYSIESTRPQWTGKQNRH SKLFTVLDYV F
HPVPLTDHFFPHHKIESCSSEMIHSDESESQCF TAEITLEVFRGTTGESNLIEEYIQS I
VHNQIALDASQLFVEDIFGLKWSSVQEASSLTQPPSNSSQESNGPISFGPENVEDSSDSI
GTTAKDKSNSLFASIIPIIATACIVFVWYCTRRYYNRDRKRARGARDHQEKSQAVVRGM
KQSTDIEIGIVRTETTQSSHDQLSKSSNSNGNPEDEVISATASSDTISSSSSSSTSLKSI
ATSDFSDRSITGLPPRPNVVKREGSKQLKPKRKKKKRRKKKVMSLQ RINSRDNISEMPMI
SESESECDSESGGEDEDYX

>comp7033_c0_seq1; 360 132 1028 LEN=1291; translated
MYGRQQAHRGGGMQGRQIVLPEPGDVGMVLRGASAFARRHKVVTGGYLLGIVVILLVG
SGTKLNYDQRREYNIMNTIDVDAEYDASSDFWRANQAYKATKGWFS CDGLCQRNKRKME
DAKYRLDIIRAEGNQRM SDAKAVAGLFSEVGVGEVQDSFWSYFSAGKQFAKRQSMWDAMF
MGMRS MGRDESMIEYGLKVLQMQLMNF SMGLIIALFTFVIGLWSIVRSYQPNP IVAVLFF
ISAACAAFSFVATFLLAMYGTAAGGVYGV LKVAESNLRLQQGHPGQQPRHMHNRP HYD

>comp7034_c0_seq1; 310 293 1033 LEN=1138; translated
MKVPTLSLLL CYLSTASSLSIQPALS AVNAAFEYNPYAAGAI VAGFKAGTADILAQRQI
RNAAKKVGDAVESVEAEKTAGKELDVQRTLAFLMYGAIYQGFCEFTYNHLYPFLFGSE
TTTITVLKKVFCDMCIQTPLLTLP IAYYSKALLAKNTFK EAMAHYVDDVKNKGLLFFKFWG
LWTPVQCLTF SIIPEHFRVSFIALVSFFWV IILSSLS SSSNDELADTTSSTAKIAGVNGQG
ATKEAY

>comp7038_c0_seq1; 459 248 1666 LEN=1933; translated
MVANSDSITERMPSPSKDFRAAQPSQLPIAEATTKSTASDVLSSVDSNGPSVMAVSRSGL
MKQSTIYRRHEARLARSYALRDDPRPAFLRVLSGLPGFR IIPPYQKERNQEAGKQDPKN
QQKETHAPRTVIDTYSQENSFAPYTNVADNAV GSTFGDANTNDNIRAVKWEETMQAMLAT
GVC SAIGEYVFAHHSNISTAKRAVRNSNTLGPMMMTTTTAA PQTPHSMPYTG GFALRGG
SLDMPRET NKNHRA LAATKSRPSNVALSKAMSASFSTLLFGTKVFLDATI SERQFGNDA
NRNSNTTVMGSLVSSATAGGVIGLSQLASLQIKHRRDPSSFSVAQNHYLTSDGSSKLIGR
NVLASLLYFSIYEAVSFFFASTQTSTSIHPRDSISLSNGKAGGEKGTLSIVMGGAFAVQAQ

AGTMNYHRYARYGSTIWWTRVMFPAASRSAPIHALVFYGYEKMKEGIKTAHR
>comp7039_c0_seq1; 253 65 1167 LEN=1191; translated
MDYVRKQFYRSKREPGGDNDYDDHDQVEERAIVIHGQVEEATHIISFPGRISLEELRF
WAYVPNLHENTFEPTGYTNNNIKLDGSSSLQNTQAKTEQKQKERRRQTNNNSYVDIAVIE
IPLEFAQVNSHHXDLTSGKIGKIEHRDDTSFLSLCDETTGRLLIDHEVFRGYHTVLHIPP
TGMMMMDRIIDPKAKSIPSPFSQDSKYDVLIANCDQQAYGTGRNIGLSGQIIFESDPLLE
KVICGDENKNSEQGTRFWSTTPDSSRAEHYYNHVGTKHQQEYGGVPLDSVSMRLLAMG
LSICFIFSLLSLRIHNGTRADYFTARLNRRNRILENLGSDDEDTDDDGNERSSSSNYRD
NVNIPLV
>comp7040_c0_seq1; 308 75 749 LEN=1217; translated
MKLLFSILVFAICNDTVESYITGSSPIGGANWMMKGNNAINHISTKKAPSTETTAAADVED
LFRKEYNEWATRYGKTTTTDERRFEIFKRNYMMQMQHNNKKTGSFRLLEFGDMTEKEFELG
EYETQKSENSPKSADNVVEVELVMDDPVKVRMLDSETIPRVSDFEIPHNRRWHEITQQQ
QRQRQQAPVGFEPKVNPIRYPSMEEPRRRKRVRVRLQVGPDRIL
>comp7041_c0_seq2; 314 313 1710 LEN=2492; translated
MHSVSQAMELIFSFGVALLASNIDAFSGQPQSSKNPVRVLVTGAAGKTGRIVLSKLEE
DHRYEPKGLFRTEKSARRIVKNVDTKCPLHVVVIADVTSPFTLDDLSSNSDSSNSNDHH
SETTVLCGKTDQSEKCNGLAKMDAMIICTSAVPRIRKRSLAAMLVLPWRALRGKPI MNV
RSMRFAWKHGDYPEKVDYKQKAQIDLAKRLGIPHVVLISSMGGTNPDNFLNSVGKHHHQ
QHQEEDKDREKQRRYKQGEHGDILLWKRRAEKYLVESGLDYTILHPGGLVDSPPGKGEF
VFGVDDHLELNHNEEQPAVRTRISRSDIADLCVAALSAGKGGKVS LDCITVPSSTRSTL
MGHGHSFRMVSPGMGPIPEAKGSESGGRKSKSRKPVNLGSDTRRSSTTAATPTATLSAD
ASTTAEARLAIETEKQGRQKSAEESLSEFVDSLITANYDLGVDKL
>comp7043_c0_seq1; 520 1 1540 LEN=1588; translated
XVWNSPEEEAETGALS VSEPQVVLHPSCVWSAMGLPGGDFATCCQDGLRIFTRTSDRMA
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QWSASSQTWIEVQVMGSSDSGTVDGVRVDHVLPIEVDQTTGGGVAKLQIGYNDGENQFVA
AQRFIDAHMLPQHHLNEIANYIEQRAKSEGRTLGGPPAGATSSAPAAAASGMPMATYEHL
PAPAYKSFELSAKSAATTLKMKKKIAEHGGVSESQLAAISSLSDTLAATNRYHSSRIQP
SELETIARMLETLPRAEVFPALDLARLVVAHPSASGPASAGYWTAVVDRALALCTGDDNL
AGPAAVAIPMLSLRLFANAFRGGPGSLEAVGGRLTDVLA CSQRFLGSANKNVRLSAATLL
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ARSASLSSLVEPAASLHGDLARALAREVYSVLS
>comp7044_c0_seq1; 497 360 1358 LEN=1656; translated
MKFQIADIALILSIACLSSAAAFSPSSLAPRQSAGASLTNRISKTTTTSSNTKLF SQWDEE
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KRSAAEIAADQAAAMQKAI EQGEGLVGAAARSNPDQLSDMLDESQVQRLDLSKISNDAPR
GPDEDVPAIMYDPTNDMTQEEMEEADPIGFKPINEQVAWVLEKSEFPSPPLAVLGETIVTV
VTVVVTAVIFTQWDELCREAAFNFNFPVPRPEEVQKALEGMLAPGDTILGMGANSMSGQEM
LQMLQDGTKETIKAVQDGSIKDILAGDVP AEL
>comp7044_c0_seq2; 279 1 772 LEN=1070; translated
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QKAI EQGEGLVGAAARSNPDQLSDMLDESQVQRLDLSKISNDAPRGPDEDVPAIMYDPTN
DMTQEEMEEADPIGFKPINEQVAWVLEKSEFPSPPLAVLGETIVTVVVVTAVIFTQWDE
LCREAAFNFNFPVPRPEEVQKALEGMLAPGDTILGMGANSMSGQEM LQMLQDGTKETIKAV
QDGSIKDILAGDVP AEL
>comp7048_c0_seq1; 761 344 2668 LEN=3187; translated
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SHAVLTSRAGGASVSNYNFVQ SARVAYDRWSPDGGTTWKYIGGAI SDPAGAGGF CRFCS
SQFYPADAFGTGRGFQDAIYMTGEECWDSNGRLFALDANDSARDLYLVSGVTGSMPLVRP
MEYTAAGAWLSAPVPQTA FE EGHGMPFDSWENAALIDTGETNHVALLL SADGGSETLKL
YIGKFTNAYGYTDRFGFLARNGLAYGRWFYLGGLEWTMNDATDLWESTTKGRFVTDEDD
AWSESKFEDIDTNPVAPNQAVLAESNSGVYVLDLDFDLRFVGDGSRVDQSGFSVRMVTSS
DHKDMQYPDNVDWTKNNLIFVNKDNDSSGIWYMNPDGTGKVQVGETRSSGESTGILDVSA
LLDYPPASAMLT SNQSPSSITLLLNPKLRSVLKEESGSSLFPPPTAVATPV PATIPKP
VAPPVPAPTRKPLAPLPAPTRNPVALPPLQQSDSTFFETTLDCPKSDSRGRYQVLQAEDA
ELYSALIKTKARNYCGVGVDFDLDL DAFVPPSSGTDGGYSASSGKSPVFSKKGIFPS
GNREPVVASRQGNVVGISFEVEITFPGDYEVTVRYANGGPLSSRRSGMFMVDGNFPNNNY
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>comp7048_c0_seq2; 121 344 838 LEN=838; translated
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>comp7048_c0_seq3; 677 344 2855 LEN=3374; translated
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SHAVLTSRAGGASVSNNYFVQVSARVAYDRWSPDGGTTWKYIGGAI SDPAGAGGF CRFCS
SQFY PADAFGTGRGFQDAIYMTGEECWDSNGRLFALDANDSARDLYLVSGVTGSMPLVRP
MEYTAAGAWLSAPVPQTAFEEGHGMPFDSWENAALIDTGETNHVALLLSADGGSETLKL
YIGKKFTNAYGYTDRFGFLARNGLAYGRWFYLGLEWTMNDATDLWESTTKGRFVTEDEDD
AWSESKFEDIDTNPVAPNQAVLAESNSGVYVLDLDFLRFVGDGSRVDQSGFSVRMVTSS
DHKDMQYPDNVDWTKNNLIFGKXETANLYASVERTPCVLSFADPYIKQIVVRIYFVSFR
LPRFDMDFAHMVLSPSFLHVRNKDNDSSGIWYMNPDGTGKVQVGETRSSGESTGILDV
SALLDYPPASAMLTSNQSGSPSSITLLLNPKLRSVLKEESGSSLFPPPPTAVATPVPATIP
KPVAPPVPAPTRKPLAPLVPAPTRNPVALPPLQQSDSTFETTLDCPKSDSRGRYQVLQAE
DAELYSALIKTKARNYCGVGYVDFDLDLAGFVVPSSSGTDGGYSASSGKSPVFSKDKGIF
PSGNREPVVASRQGNVVGISFEVEITFPGDYEVTVRYANGGPLSSRRSGMFMVDGNFPNN
NYEYRFGN TYGWNIFRESKTVVFETEGHTLDFFWTEKRDRPNIDWVSVKLLAEY

>comp7049_c0_seq1; 594 1 2246 LEN=2374; translated
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FVFAFLIVLGLVLRRRMRTRYIIVRARAQEDHLFYASSGSGIKRVGFQDSREDQYEGAC
SHTLTCGCTDPPREGDEIEDEVQVNDGVSQRKKKPHNEDFVGRGFNCILGMCCGVVCR
CWFQCLSICALAQEAREMRLLVPTRFQVVDYITHQPFHDYQKEVIDLRRGWMGKTRKKS
IMPHFNALSRLSRHILVLSISLTVIIGATLFLNPLASFSWPDVILSATFLQSFLVIWIV
HWIFHKSDLSLDAVIKFFAAGFVIAVPSAFFFEGLLINITLSTAYFGYGLQFMGGDTFV
EWVSQQYQVFWILVEIFNAYIVA AVTEELCKYYTFRCVEHPDLIFLTGLVSNTO DERALE
GGVVKYPFSSHQVQQTNAKNPYDDDASHYSRSSHRKSSGRNTGLDPNEDDFEEDDQDVR
THRQKAAAVTTAMISVAVGLACAENFLYVFLGGGTGAGVSDDGSSAMDGYLQEWIVLLFR
SIFPVHALAAAMQSVNMIRKFVEAQDVNGHRIGVGRILPAVIMHGTFDAILLGINIFIE
TSWDEYLEANGNIDDENATPYSFPVNVVAWLSITLVMLSGFLWYYKENRSQRLRLIEL
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>comp7053_c0_seq1; 570 130 1743 LEN=2341; translated
MSLTFPRQLSDSRLGEKHETLDDFHRCTSRNTNVQESKEYTLVVVTETFPKAETQAPTND
KIDKEIPQPTISSQAENTRILLGMKNRFGCGYYNSFGGKFLNDEETA EACACRELEET
NLKVGLDEMAKSKVGIQRYTFENHPTEMVMHVFWIHLEETL AYKGGCHDVRECDEITPMW
FDNINAI PFDNMFADDSLWLTLLSSPLPIEINGSYHFQENCQDTNTILHYHMDVQKKK
KFSMEQRLFHTLHKNSNLLSIFKEFCYAF CNGVRTTFGRNKNKISFDIVIDVAGGHG
ALGALFLICTSASKAIVLDPANVGGRIQQAWGKFMGQDKQLSYRRECLRTGLPDELKQA
LQMTTRYRILVVACHACQHLSEEILEIACRFGVHA AVMPCCQKDRSVGSTWKAASKNLSI
PVAKMMDILQCGKMMALGSHNVRLKCIDSKITPQNRIVCRALDENEIESRRHSQTEVD
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>comp7053_c0_seq2; 573 130 1626 LEN=2438; translated
MSLTFPRQLSDSRLGEKHETLDDFHRCTSRNTNVQESKEYTLVVVTETFPKAETQAPTND
KIDKEIPQPTISSQAENTRILLGMKNRFGCGYYNSFGGKFLNDEETA EACACRELEET
NLKVGLDEMAKSKVGIQRYTFENHPTEMVMHVFWIHLEETL AYKGGCHDVRECDEITPMW
FDNINAI PFDNMFADDSLWLTLLSSPLPIEINGSYHFQENCQDTNTILHYHMDVQKKK
KFSMEQRLFHTLHKNSNLLSIFKEFCYAF CNGVRTTFGRNKNKISFDIVIDVAGGHG
ALGALFLICTSASKAIVLDPANVGGRIQQAWGKFMGQDKQLSYRRECLRTGLPDELKQA
LQMTTRYRILVVACHACQHLSEEILEIACRFGVHA AVMPCCQKDRSVGSTWKAASKNLSI
PVAKMMDILQCGKMMALGSHNVRLKCIDSKITPQNRIGKFRSSLCFLAHISDIEFFALN
QQHAWGFSQSLQSSRRE

>comp7054_c0_seq1; 378 98 1369 LEN=1615; translated
MINLKRLGKHLKDNSSATSFSSTIVKDKPTVRQTLGELDDCLEQIGLRKLIQTRSRSQTA
RTVVTDVFSECENDLRDDESSKQASLASKTCVERVHRHDFKTI SYLGKGA FSGVQVKNH
SGETFALKALDSSRIKTPDELTTAAIDLGMEAKILSELNHKNI IKLRGVCSSTFSSYSE
CTDEGYFLVLDLLEDVLSQKLI RWKKHSRLRLALENRRAILPTANVKMMYKRMQSV ALGI
VEGMVYLHKKGIVIRDLKPANIGFDRNGNVR LDFDFGMARRLEDCDKGEICGSLRYMAPEV
ANSEGYFFKTDVYSFGIILCELCSLTVPYDQMMKKPCGSKEFSRRVAKDGM RPSLDQIAC

DATKELIKDCWKPSQSPSFEEIHERIVRITSCDRSETRGDLTRNYRKKFCSRLEQGD
RNV

>comp7056_c0_seq1; 600 396 1391 LEN=1949; translated
MGTGSSAKSTEQDNGVRDRIDSGEFQKVSPGSPSFESNTKTDEMSYSGILVEKPDETGG
KEQPPTAKTGVPSSEGAIFAADLTSPPI SNRSKGRTKTGSGAADSSRAQAQPRRIVKATP
PPRVAPQAAQESGTGASSVSVHSGKSNHNSHNAAPLSSP IGNNANAANELLEESIEKNDP
KTKQREHRTSRQKNDRERLLKEKRSQRTAEANASGTGEKQKPRVEANPF SRFLSAFVDA
NPKHKRKEQSTADAENKRLKYGFQDTSGTHGGAASDDTPAAAAVEDSSSSSTREEKEAA
LPSLLSSPWMAAAAAVALLVVAIAKGSRKK

>comp7057_c0_seq1; 513 269 1401 LEN=1401; translated
MTNLRSDYTRDGDDAPSQRNGSRRSGNGIRDKWRLAIP IRKVGRIGSNGNSNSNSINNAK
AGNDDDRQC PVSAAKVDPKQTVVLCASCDRCRARKTRCDGKRPCGNCASRYMKKHKLT
SIEGVDVALFECNYS PAKRRGVPVGRAGQTRKAAEAFGNSIGGRGRFGAPNFLSHAGVNS
DALQTLGGVAHRSSGMMSATTSALEAIQMRQMMAMKMGNGMGTVVSRGGGGSIQGIMG
RTLGGAGASGHGSMPPGGLAAMNSGSQQRQHIQQQLNLIQQQLQAQQQMGSGGGVADGGLGA
IAQRGDSSSGIIASAAMGLPSIDGVEAARRMKLNDQTNQSLSQLQLQOERQLLQQVQOQQ
HQOQQOQHRRRRQQOQQOQX

>comp7057_c0_seq2; 512 269 1564 LEN=1794; translated
MTNLRSDYTRDGDDAPSQRNGSRRSGNGIRDKWRLAIP IRKVGRIGSNGNSNSNGKSNAL
NKDYCEYEADSEEDVYADLPP IEVKNDKESRSTNRRRPLKSALLARTKKQNPAAASRTT
SMMPDMLLETGLTLVEQEAAALLSREDGFNF EYTHASATNGGRFGTGNENGFDPATTKTT
KNTSTSTITIRKAVRIDENRNTTFQGS LPTGTPVQTRQQVQDASSNGNGHSENKDADAYRG
VYGSPYGC PSTDSTSSSSNSNSYEP IPRDPEDWTVEDDLSTIEDNDNR TLLQYYKRGAG
KDCDSL SCLSLACALPLACGLLCLDSLADTKLLEEAMPGSRARRSNKTEVLAPWGRRRTP
AKTATRSRNTKKNQNHQRRRGRSR YNGDEDGDEGSS ILDGNNCFVREGNCDVFPSSIE
LPVNKIIAPCW

>comp7058_c0_seq1; 265 84 677 LEN=846; translated
MNVIAAYAFLLSLLFSTVDGFSFVLMGRRGKGD LKRALSGNDGQSKRRGKNQDPTAAMNDG
KGQEITGVSLPEEGTIKGEWFEFGDKKVVACANVRGEFYALQGD CPRCSFDLYRGDLIVDDP
GFEDLPRVACPTCSTTFSLKTGLYGPPLKRTGLAGFVSGLAKTATANQERNADAYTITVD
PETGRVYSKKKVLKVVY

>comp7059_c0_seq1; 625 49 1947 LEN=2528; translated
MEVPSIVKRKSTIFLAHETKAMILIDEKKMKSKIGVKHENDDSSLFSSVSSVKPDDDEN
CSSSTALMVSSAISTECSVSISSSLSLSSDFGKARGNEEENDSF SFPRHSFSPFSLRAN
YLLVILIIMLADGLQGGNRVILMYSISFGNXXTEGWYFSGTDFSAFFLIPGTHLYVLYEG
YGFNVASLYALGFIAGGV TTPITGPLIDKFGRKRSAILYCALEIGINMLEQYPFLAGLLV
SRIVGGVTTNLLSSVFETWLDTEFHNR CRAAKPGVDAFARSSDDTTTVSESTNEWNVVED
DEDDIAKNEYELIMRDSV IISNLASIASGYLAHMLAERYGAVGPF RGAVSCTAIAFVVIS
LLWKENYGGPSTLSCADKQTEDTLLGLETDIDNEGHSPNNQGNSSSSSKSIRAYIMKGF
STLRADPKILYLGV IQGLSAGSLQLFIFLWSPTLQNFAPGQEATFTTNNLSLFG LFRWAV
DRNGEPNYGLIFGAFMAAGVAGGFCAPYIRHAVAL LFLQSD ESSLLQTVHVGT KRVSVRP
MELEFLLGVNYISA AVLMLVPSILQKSSPESF SISI LAAFLFYEF LVGVSMTYEGVVRSLH
LPSNARATMMM VPRMIVNLAVSLGVLLTKYIA

>comp7059_c0_seq2; 690 49 1842 LEN=2423; translated
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YLLVILIIMLADGLQGTHLYVLYEGYGFNVASLYALGFIAGGV TTPITGPLIDKFGRKRS
AILYCALEIGINMLEQYPFLAGLLVSRIVGGVTTNLLSSVFETWLDTEFHNR CRAAKPGV
DAFARSSDDTTTVSESTNEWNVVEDDEDDIAKNEYELIMRDSV IISNLASIASGYLAHML
AERYGAVGPF RGAVSCTAIAFVVISLLWKENYGGPSTLSCADKQTEDTLLGLETDIDNEG
HSPNNQGNSSSSSKSIRAYIMKGFSTLRADPKILYLGV IQGLSAGSLQLFIFLWSPTLQ
NFAPGQEATFTTNNLSLFG LFRWAVDRNGEPNYGLIFGAFMAAGVAGGFCAPYIRHAVAL
LFLQSD ESSLLQTVHVGT KRVSVRPMELEFLLGVNYISA AVLMLVPSILQKSSPESF SISI
LAAFLFYEF LVGVSMTYEGVVRSLH LPSNARATMMM VPRMIVNLAVSLGVLLTKYIA

>comp7059_c0_seq3; 712 49 2127 LEN=2429; translated
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CSSSTALMVSSAISTECSVSISSSLSLSSDFGKARGNEEENDSF SFPRHSFSPFSLRAN
YLLVILIIMLADGLQGGNRVILMYSISFGNXXTEGWYFSGTDFSAFFLIPGTHLYVLYEG
YGFNVASLYALGFIAGGV TTPITGPLIDKFGRKRSAILYCALEIGINMLEQYPFLAGLLV
SRIVGGVTTNLLSSVFETWLDTEFHNR CRAAKPGVDAFARSSDDTTTVSESTNEWNVVED

DEDDIAKNEYELIMRDSV I ISNLASIASGYLAHMLAERYGAVGPPFRGAVSCTAIAFVVIS
LLWKENYGGPSTLSCADKQTEDTLLGLETDIDNEGHSPNNQGNSSSSSSK SIRAYIMKGF
STLRADPKILYLGLVIQGLSAGSLQLFIFLWSPTLQNFAPGQEAFTTTNNLSLFLGLFRWAV
DRNGEPNYGLIFGAFMAAGVAGGFCAPYIRHAVALFLQSDDESSLQTVHVGTKRVSVRP
MELEFLLGVNYISAAVLMVPSILQKSSPESFISISLAAFLFYEFVLGVSMTYEGVVRSLH
LPSNARATMMMVPRMIVNLAVSLGVLLTKYIATQSAFVVVALLMTCSGILQLSFVSSQEW
NTIRRKSSHRARSLSSSAKLVWSSAFKPKDD

>comp7059_c0_seq4; 777 49 2022 LEN=2324; translated
MEVPSIVKRKSTIFLAHETKAMILIDEKKMKSKIGVKHENDDSSLFSSVSSVKPDDDEN
CSSSTALMVSSAISTECSVSISSSLSLSSDFGKARGNEEENDSFSPRHSFSPFSLRAN
YLLVILIIMLADGLQGTHLYVLYEGYGFNVASLYALGF IAGGVTTPTITGPLIDKFGRKRS
AILYCALEIGINMLEQYPFLAGLLVSRIVGGVTTNLLSSVFETWLDTEFHNRCAAAPGV
DAFARSSDDTTTVESESTNEWNVVEDDEDDIAKNEYELIMRDSV I ISNLASIASGYLAHML
AERYGAVGPPFRGAVSCTAIAFVVISLLWKENYGGPSTLSCADKQTEDTLLGLETDIDNEG
HSPNNQGNSSSSSSK SIRAYIMKGFSTLRADPKILYLGLVIQGLSAGSLQLFIFLWSPTLQ
NFAPGQEAFTTTNNLSLFLGLFRWAVDRNGEPNYGLIFGAFMAAGVAGGFCAPYIRHAVAL
LFLQSDDESSLQTVHVGTKRVSVRPMELEFLLGVNYISAAVLMVPSILQKSSPESFISIS
LAAFLFYEFVLGVSMTYEGVVRSLHLP SNARATMMMVPRMIVNLAVSLGVLLTKYIATQSA
FVVVALLMTCSGILQLSFVSSQEWNTIRRKSSHRARSLSSSAKLVWSSAFKPKDD

>comp7060_c0_seq1; 484 59 1351 LEN=1505; translated
MKFSTVAILGLIVSTASAFSTSVSRPNRAPFSTSLGLVETGEYVDRDVYTFDEWATSCGVQ
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GGVANQIPIFRLGVKILAEWEKGEQSPWYWLNSMPRIFMNGVSMTSACFDALPPYAGWL
AMKERANFVNFKKALLSAPLNEQTVTNEELVKWAYNVALTRSYSLSSSCRRIAPMVDYFN
HASEPNLDIQYDDYACTVYASRDIAAGEALTI SLGTGTNPSPLFATYGFLEDESSPGTFCK
LMDLQDDMPDMKLGFKDLLFYKNGEIAPEVYDLVLYSILKTDPNFELGPFDDACMAGDED
TKNAYHSQYFSYTYLEYLKNHVDNTLVELDRLSNMAASYDPNAHPRAPLILQHNAFVKQTF
EAVKYNLDSM

>comp7061_c0_seq1; 224 294 584 LEN=662; translated
MKRLIDANKVVVFSKSYCPFCVATKNLFKSLDVVEIEVLELDRMGKEGEELQVALFQETG
QKSVPNVFNKGKHMGGNDDTQAAAARNGTLQEMLKSA

>comp7062_c0_seq1; 372 1097 1840 LEN=1952; translated
METPSPPLILEEFMEVQFLRQHARQQAIEVSHLRKPYANLTFCEKGSSEFPNGESKAAP
REEGDI AKHHEIMLIVARGEKGVKGGARWLGHLFVPHAAHEAPVPQIVGDLFGNGECKSK
AAVLLVHRGPDGVVKDSGLHASAGLRQPPDFRDAKEATADQGGEERSEKKDAGPVVLLP
GCFPPLLLSLLL VGHVSGSEFFGGYGFCSGDPDLDLLEYTDSVGE PYSNAWDDRLLDVGT
RVGSVRR

>comp7062_c0_seq2; 372 843 1586 LEN=1698; translated
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REEGDI AKHHEIMLIVARGEKGVKGGARWLGHLFVPHAAHEAPVPQIVGDLFGNGECKSK
AAVLLVHRGPDGVVKDSGLHASAGLRQPPDFRDAKEATADQGGEERSEKKDAGPVVLLP
GCFPPLLLSLLL VGHVSGSEFFGGYGFCSGDPDLDLLEYTDSVGE PYSNAWDDRLLDVGT
RVGSVRR

>comp7063_c0_seq1; 633 119 2105 LEN=2144; translated
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QVPVSHENILWYLLVNAERSWAHANEIQKANQIKRRQPI LKKLKRANKWAPAPSGKSKFS
TDEETQKECEAYAAMWSANYALEQM QYQIASEGYARAMSLCHELSGENDTDNSANDRTND
VQRLERHDLFITRADTILRPLFRYCYELKQAGQPTMEEPRLQSSGQEQEHEDEDSIVFR
DRELILDNKDLRVL LLLKLSVEQEKEEA EKSSATLKETQFLTALSILDDAMEVVQ LLE
QGLSKASSSSGPAVQAKLQYSLWRGYLQYSKTRKVM EHTENLLTTDSGESSMGP AEKVHI
YDAVLQHA KSLNLPHPDDGNNSSGGSANEDEFILQVQANILRLRALKAYYMGWCY YTQL
FKYGPALAXLEHSAKLSERAEEIEAACDEDMPHADKYLQQLLEDLPLESATGAVRAAMALQ
QRQHARKLQKAAGAAAANGSSPSCWQEPVTTDRPLLLRLYEYDGGAPDVPIADLRPMLPLP
CKPVFYDLVYGHAFDTAKSVDALEDFLYQHTAAPVSSVVDKEEKDLGNGGSSSGMFGWL
RG

>comp7064_c0_seq1; 283 137 580 LEN=791; translated
MTPTQSCSKSGVSNTRQRFMFGGAGAGSPTEDDTEYDPEAEKGIANAAAAMGMSAE EYKLA
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INKGSEEAR KGRQEQEMLKWWQSQG

>comp7065_c0_seq1; 251 96 695 LEN=1104; translated
MRFESQDFIMSQREWQENRRRAKANDHSATKQDGSLSRDGTQYNASGSGLRKQYGYSSQT
KNIARDDSRSTQKKNVAQHEVRHRRDEADSDSDSDVDSRDESTPNVPSDFSKKELQE
LVRSRRRQKQDQSTQVQSQEQRQTSTYSYHGYADKFRQESLDSFVAARNKVKESNRDLG
VENTRGMDCLLLCLMPTNVW

>comp7067_c0_seq1; 129 1 1280 LEN=1673; translated
XSRSLCPTSRIRRHRYRILRTMVSGCENGEFDETDVDERYRQLSGSPGPGDEEDRLVGL
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HQGTVETDERYVVCVDFAGPHCKVETGMATVLDPLLRSLGDGVLRRNRKVSVTDKEDRV
RIETEGGETFEAGVCVSTLPLGCLQEHLRRPQGEPPGFRPPLSRAKEEAVSSLSWGSYKK
VFLTFDRVFWPVDPPMIGLVRSTPETGAKDPLPGRHLVLYNLWAGRGIPVSEAILCGDL
GKWAFGRTEAIRDAVLGFLAAAMGIPGADLSSSCMGCHVTRWEEDPFTRGSYSSVCLDT
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VPTTRC

>comp7068_c0_seq1; 261 137 631 LEN=1782; translated
MMTENKIDGKVDANLSGGISQFAKGAFTSENFEEAGRYTKEKVAELKAQAQEGDRSLRFL
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KYALFLKFLWGRGFLFFLCGTLQLTQIDLFNLIAGKFKSKWNR

>comp7068_c0_seq2; 387 137 943 LEN=1646; translated
MMTENKIDGKVDANLSGGISQFAKGAFTSENFEEAGRYTKEKVAELKAQAQEGDRSLRFL
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KYALFLKFLWGRGFLFFLCGTLQLTQIDLFNLIAGGYMCAVGILYIIVGNNTAKKLKAIK
KSLYSEGALRTKFAANVEGDGLDVKQFRFLCDDLGLDFTARETEAAYGHIRKMGAEATND
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>comp7070_c0_seq1; 221 674 1782 LEN=1840; translated
MGYLCSATESDLQAGTLRERAYESSPPTPRASAPLALHRKKRTRAEAFSCSLTRTHARRP
TRPLSPNPVSSDDSSDEDDTERETVEGTHACCTLAKRRLGRPRKKRVGFGDVAATTTYL
ASDLTRAEVKASKRLLWSTKQDRDLDAQAECQVVKAFRASHAREVRSFSSVCFTSMQVPL
TLEASDLLERARISVPLAIRGMEWGIAPRLRKRKEHVSSVLSAQAAISESLLEKVVAS
RSLRSSRSARIMARIIGEGDVGIASTTALTVTADGGEPVAKAEARATANATAGAKEDGP
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DRMTMAPNL

>comp7072_c0_seq1; 428 1 946 LEN=1313; translated
XRHWAMVLPNDEAVAGSNLMEVARHSVRDAIPNDQDAEPGGGWDEEMRRLVGFAEASEEQ
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RMNKLLEDHRARASSGGRAASSSPNGSESSRLGMAFPFPRHGHQLMQALTKRMQLDSR
TDADTLEVNALPVGFKKRLHSYFRASELLRHFFGLQRLAQETDANGSGGGADRDAYK
QKLEKIKNGLRTHLGDIDAMRNEQEMTSEEGKTMAGMCKQIMDQLNSAFKSSEEAATNTGG
FVPSGSGGFTTVETF

>comp7073_c0_seq1; 171 1 1098 LEN=2246; minus strand; translated
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GINNFGGTEYGVYKVFVSLVGTDATVEVITSTTRVPPSCGGVGRFRIGLLTDDYSYDTSW
VFRDSSGAVIDQDDGYAKYSYNTQYFNSAEGYYCLSPGCYQFEIRDTHGDGLTEGDGRY
TGTLDGVEIFSGSEFGYSEVKDFCIGAAPVPVLECEDDGTFSFRGNSKCKCGTKWLQRF
GNINKNRXEAATVQEEVGGKTGLRILQGNLRPGRSGTLRLGAEGLYARPGPCCWSGGN
REDDDPGFPCPGRTVAVPAGGLAPXIVRSDGAFGSETAATEVACLGSFEPIGIESGPEHR
HVLAN

>comp7074_c0_seq1; 656 204 1811 LEN=2025; translated
MVIDRRGLALFVTTALATTCAAFSFGVAPGATRQSSSLKAFASDRGENAAQFDHFTVSD
DSSSPSVSTGTGTFGESTTIPLSPPPMARPAESSNLARAQSAPPPADMEGEPEPAQPQLSV
WERQKAAEVQGGSLRTWSFADQHKIDMIQVHMKTDRPMPNANVELWQGPDPNPQKVAIYC
EDGSTRPFRCFLATPYTGNSISIRNTGSLEYPLQAILEGGKVMNDPETKEKMERVQTAK
PKICQGGAVITERFEPGVQSAQIFLQSEGRPLQCRIELIQGPNNVKQVMEVYTEEGTTRP
FYAIIQTPGYGTGIVIRIVNTSTLEFPFSVTVQPWDVGFADDDYDARPTGGSPFFEISGGA
EGRGIGNSNLRSVGSPTDSMGMFGSFGPSSSTTSPAPSPAKAKVKNMIAPKEQPPSL
EPEPEPSPIFLQNEEFVSSSKSSLSQDPIILTTVVPAPRRKAAPKASPPPPPEPELETEVE
AQLEVEADPTPIANDPPSPPRRKGPVQKRYVPPSPPPPPKSMVFLDIDPAYK

>comp7074_c0_seq2; 463 395 1306 LEN=1520; translated
MERVQTAKPKICQGGAVITERFEPGVQSAQIFLQSEGRPLQCRIELIQGPNNVKQVMEVY
TEEGTTRPFYAIIQTPGYGTGIVIRIVNTSTLEFPFSVTVQPWDVGFADDDYDARPTGGSP

FFEISGGAEGRGIGNSNLSVGSPTDSMGGMFGSFGPSSSSTTSPAPSPAKAKVKRNMIA
PKEQPPSLEPEPEPSPIFLQNEEFVSSSSKSSLSQDPIILTTVVPAPRRKAAPKASPPPE
PELETEVEAQLEVEADPTPIANDPPSPPPRRKGPVQKRYVPPSPPPPPPKKSMVFLDIDP
AYK

>comp7075_c0_seq1; 413 1 1159 LEN=1418; translated
XMIVTFMRQQKHTPGKHPKPEQKDNDEVNLANMSSNEDSKKSGSEKGAGGILGKQFQKMR
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NQDSMIMKEETKTNSVIFCTLDGHGEHGDHVSFAWFRDKLVKEMSSHPSWANDMNVAVADS
IAKVEKDLLKNYRIDAEFSGTTLMAIVRDNHLTGVNIGDSRVILGKETNGKIVPVEITH
DHKPDTPKKERILASGGRVFAVEYDDGIDGPPRVWLGHMDVPLGAMSRLGDVVAHSAG
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WMAEEQVIDDTTVIVANLFGWKPSSA

>comp7075_c0_seq2; 361 778 1764 LEN=2023; translated
MRRRLTVTGSKLNIDGAFDPSAFTSGEFRIKKKDEGMKVKTAVTEFHGVSCKGHAPYNPR
KKNQDSMIMKEETKTNSVIFCTLDGHGEHGDHVSFAWFRDKLVKEMSSHPSWANDMNVAVA
DSIAKVEKDLLKNYRIDAEFSGTTLMAIVRDNHLTGVNIGDSRVILGKETNGKIVPVEI
THDHPDTPKKERILASGGRVFAVEYDDGIDGPPRVWLGHMDVPLGAMSRLGDVVAHS
AGVISEPEFTEFDLDEADKFLVIATDGLWEFITNEETVDYVVGQSGPAAAVDTLVTEAG
TRWMAEEQVIDDTTVIVANLFGWKPSSA

>comp7076_c0_seq1; 209 25 739 LEN=739; translated
MSSFTRTITHASGASCQVHDFGACLLSYKTGAGRECVFLSRDAKLDGSKAVRGGIPLVF
PQFGQPDKSMPQHGFRTNFVKVDESSVFDNEESAGITYTLELKDVKNSRGGLWDENEF
DCSCSYHVEITGKTFSTRIEIKNTGGKEIPFQTLHTYYLVDGKAALDGSNCYVTGLEGY
AVSDKVSGAEYTMGSDPIVIEGLTDRVYTPAVGKDVVDVVGVEGKAIKVTASGKCSX

>comp7076_c0_seq2; 211 63 738 LEN=738; translated
MFLQKVHDFGACLLSYKTGAGRECVFLSRDAKLDGSKAVRGGIPLVFPQFGQPDKSMPQH
GFFRTNFVKVDESSVFDNEESAGITYTLELKDVKNSRGGLWDENEFDCSCSYHVEITGK
TFSTRIEIKNTGGKEIPFQTLHTYYLVDGKAALDGSNCYVTGLEGYAVSDKVSGAEYTM
GSDPIVIEGLTDRVYTPAVGKDVVDVVGVEGKAIKVTASGKCSX

>comp7077_c0_seq1; 894 143 3076 LEN=3107; translated
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SVLRPETDAGGSGSTGYSHDSREENKMARQLLKSSPLPLAWASNSPSWHVRRVLRALGLA
RLSSPGDRVMFTPDRLPWYPTKNQPEAFFASSNDEDGDDYSSCLDLEKISIFLDDSLFNL
NRVREAFPHIVDRVHHINRKHENERGESSKLVGNGEENVVQALLQDFGLIDPGFRLSQTK
YLESKNKVDIKSLNVIWNKVVEGELEDKLLKGVPNQDGNQTLIVDLGAGLLSMLDLLLHGD
DENGLAALVSAADSKVNTIRYTAYESNQELYESCNRLLSWGFGVVEDGTSDAVDYQKEH
NGKMFVRVLRNRFVEGSDGLAEGTTHPDLIIGCCFADLMDPEQLVPDLMRSFGLVNL
SSLSTRGTLIYFPIFTTGTQFLPPGPFGRSDGKTIPSDTVGFRSYSRALDVLGHNLD
PHLLQDIMEDYGAKLIDFGASDWKIDPEKDAYLHKTMLYFFGSTGGPQLLKEGWDAPGWI
QRARNRPAIRVSNRDLFRVLPDGERDPDHNDTEAEKEAQLSEISFTAPYQVTTVQKD
IPSQLGPRQVLVRASYSLISGTELKIFKGNFDDDAALDVNIKDMEDERMAYPLSYGYCL
VGVVDCGSDVSRKDFVGNVFTFSPHSTHVVTADAVQILPSGIDPKDAIFMPSVETAL
SLVHDANVRIGENVAVYGQGLIGLLVTALLSQGRSDEPGWFNSITTFDMFPDRLAASSK
MGASQALVPGNKDHEGFVDSIEVSGNFRALQSAIDQTLNNGRVIIVGSWYGSKDVSLKLG
DFHRSHKTIQTSQVSEIPANLSRLWSKERRFAYTWDLVKQIRPSRLLTKIISLDEAQDAY
EALDNGSEIAIAFDYNR

>comp7079_c0_seq1; 315 1 614 LEN=692; translated
XSANTGFYYVRNNPRTQFFFNSLLMAGDLILSTSSHQIALIALNEHVSLYGLTVKIWER
NKREFPGGFLYHNRKAAGFMKELMAFGDNHNRDEPAGDNNNDNNISNSNENKTYIFHMSW
TKNKNDKVKFFQMGVEYLDGSCKSTEPKDLAKKHKPKISDENNNNNNGCCLAMPKIQCH
YRDKPSKIPCNDSPTIDKKGKPFW

>comp7079_c1_seq1; 75 1 499 LEN=656; translated
XRIESSRVESAPRRLGRTRFDATQCDGFPCHGMRRKSGMHGAKQASTTLRCPFDLPGHR
AGKPAAFRGRTGIPPRRVTPCAGTPPPRRLLARSLPPADTACVHSVAACLQTATRAALF
VSFGWTATGTVLWQTANQTRAAEVVRSRDILQAMTNDKMLRKVTKY

>comp7080_c0_seq1; 633 55 1521 LEN=1632; translated
MKIETVSSSANGSAAAGSRI SAHTHISGLGLDENGDAIVPMAEDAQGSAGAVAVNTSGLIG
QVAAREALGVVSDLVHSQRLAGRALLLVGPPGTGKTALAMALAQEVGSNQS NKLPFCHMV
ASQVFSREVKKTEVIMEHFRKAIGLRIQERKEVYEGEVTELTVEETEDPLGGYGRITISHV

ILGLKTAKGSKTLKLDPTIHDLSLSKEGVAVGDVVIYIEANSGAVKRVGRSDSFATEFDLEA
EYVPIPKGDVHKQKTVIQDVTLHDLDMANAHPSGGSSSSQRDVLGLLRSMGKPKKTEI
TDKLRAEINKIVEQYINQGIAELVPGVLFVDEVHMLDMECF'TYLNRSLESPIAPIVVFAT
NRGVT'TIRGTEPSGIKAPHGIPLDVLDRLIVPTLPYSVQEMISICQIRARTEKLDLTPD
AFRLLGAIGEKASLRYAIQLLTPAKLVAETQGRTOIVPEDISQVDELFLDGKASQAQMLLS
NDSIGLMS

>comp7081_c0_seq1; 597 447 2165 LEN=2295; translated
MFPMAALLTTCLLL SLLADNTDGGGPEMDDMNLGLGRRLRFRNPSTSRWLQITEPMKNDF
DENAPELVGGLRYLTLGGPSTFGRGLGEKRTSEAYPYLLSSEGTIGQERVRNVAQSQYET
GDLAFAASLCTQSLVEGESARERAKEGSSLESEIDSHLDSWSSSSVAYDVITLEYTKDG
TSDAASAAYTSSMNLTRRLRKRYPSTIVVVQLWSPDLVYYDPVANRNVSF AEWRNRN
EQNNQQYQDKNRLKMKKQKLLSVEAMKEHVWTFRDLSPAEQQRSDLENMVVIEEGEYR
MSRPRNINDSLDIIMDWFL EEEIKEEEEDNTSLSLHYTL SRRGHSVVAAGLRDVLALSAV
PRTRQNDSGAFQVQSAPRQYLGWSGSDSCQLWYRTGKDRIPDSLEYSIGLKSEEFYPKQ
YALEVVSSKGGTLTVYNHFDEDRIVYLTYLTT SARAAANKVYPKTKVSMVKEPMQTGHTT
IVLDPAHDDNSDVMHRTRTSAVGLVKARSKGILEFTPLEEYTVHHRIVGISFLTKEKTP
HDVPEFAISPRKLLISKSDDAIANEDMEGEE

>comp7082_c0_seq1; 541 198 1448 LEN=1623; translated
MKFSHVATCIAAAATTVNAFVPATSYRSTRSQLMSTATDASAYADVDRYVSDHPNINNIPP
HIAALVGRGLHTKEDHPIGIVRAKIQDYFNSLDEEYKIFDAEDPIVTCQCFDDLR IEPD
HPGRSPSDTYIIDETLLRHTSAHQSMHLKDG YERFLCAGDVYRRDEIDASHYPAFHQ
EGVKLFDKDAVSGADGLTKEEWLASPECKMIADDLKNVLEGLMDHLFGPVEKKWSEDFFP
FTEPSMECEILYEGEWLEVLGCGVIHTEVLEMAGREDRRGWAFGLGLERLAMILFKIPDI
RLFWTDDKRFHKQFKAGTITTEFKPYSKYPPCFKDIAFWLPEDFVENDFFELARGIAGDLV
EKMELTDEFNPKTGRTSKCYRITYRSMRSLTDDEINALQMELEQVGT LGVEVR

>comp7083_c0_seq1; 197 88 492 LEN=1479; translated
MTMEDGILYVKRKEGMPETATKATYEMEYDKHRDDQLNTSVVSALVGGFSLTNSWELERS
GSFLDTITYVLAIVAVHACTCSALTSALLYRVLTCSDPEKATVWMQKHSFLATLPYGFV
FGTLCYLASVVLVAW

>comp7084_c0_seq1; 420 464 1573 LEN=2307; translated
MPKNKSRQQRVSSDSSNISCASEKIQKRQKRASSPALLHNTTCTRKMFCMAAATVLAT
STTSMTITEAWAFNGIANNRNK PALLYSHSNPNPLRCGPSASLYLATRKGTSPLSKTST
RLYSSFRTRKRQKEKEHEDARKEIFGFRRALRGVARKILPTKWFGTAKEKEALERKQQV
KNRVQSELDQMLKGAPLFRMLGKLVAAPLMSKVA STVAEASYQQAETMEAILDETRSYL
INDPTTVDLIGTPIQIQPHSQRSGTTIINGKRQMRMEFTTEISGPKGSAISRVSATNEG
IGQLLVEGNSRVYQVDISSKAKSSSRFGRSSSSSPPRSNGGNSFFGGTKGNTDDDNIEA
EIEKKTNR

>comp7085_c0_seq1; 1098 675 4526 LEN=4849; translated
MATTSPNGSTKICTGKSGHDRTNSSNSTPLPVANIYVDSTIPLTRSRTVPNGKVTLGQQ
QLHPHPQILETSPSRQPERCYNSSGINNTINHSEGMI PASDSNDWHQQQIIISNSPSRQH
HFSQAF PDSQEALFEQRLCEDIYGVAVRKINQNGKSNLRYVKCLYVDSSEILHSSDDP
STTNLNGPQNFSSSRVSSSRHSRGLSALSRFLSGGNHSSAAGTPSDHDAHRSLSSGS
HHQIPTHNQSKNKTRVLVWGKKKDVVPLDHFTA VRKGVNERSRNP CETSRI LSLVTV
DIHSEDRKNAVSLDIEAPTRLDRDKFATAFSRFLNVPLLEEGESMKSQQFTPRTPNTSFP
HQQYSHHSFSQQQQQLLPLNQAGGGDSSRSIARSIKSDLTAQSWKGDPHNNSIPDIAL
TATNSQTTNGGSSVRSSSNKRQQQNAPLPVVTARVGGAPLTNGIISSKPPRNMRST
PPP IHPGTNLTAQNNSNSNSKHPQQSTANGSSRTGSEVDDPPLASLPSSSTRSRGAN
NCNNDNAHDTYLN TISSAATKRGMVLEIPMATKSKLVSKTSLNNQNPAVSTPTTTATG
AHVNSNTTLHTPISTTLSTANAKNHYNQGEAAMSDMDMDGSIVSSITGVGFQDLVE
ELHLALERMVELDESRAEASRAVVAEQAIQSAENSNSKDWNTVTHKAAEAAAATAQKR
SAEAMAKARIAEERLEMERKTSALRKKQIKEAEQMV AHWQTRAVAAEVQRFVAVAEALETE
RKRIREFVLQQQQEDLINQQPPNTFVSSSELNTSAGNVGTTEEVDRLRSNLAMESARRRKL
LDELQDLRGTIRVYCRLEASCHDSKHSATLEMVSNEILVLHQNSSEKGHKISDTNQSQL
SFEFDGILSSDMSHEDVYAEFEAACASVVEGFKICVMTYQGVNSGKTQTMLGDIRLNAV
RSVSIENEGIH LQAMRQLFSILEQRDRFQDIVTMNLVEVHDERLTDLLAGTKFGEEHGK
VEESRKSQRQQDLKPTGTAEKQHPMGANSVSSSRPKLEIKTNRDGETVVRGILSVTV
ASYQDVLRVWTESLTRRTRRLTEQDLVDHRAVELD SHVVASLKIISKNICSGVTTTGRMQ
FVDLASSEIVTNRPFSGSIDGVSSATS KRNSSSSPSEQLEDWKFSNKSLNTFREVVLA
RNQYQRAVPYRNSTITHILSDSLEADTKVVVIA CVNSRDEEPSTTACTLQFAQEMRKKVVV
GKATRHATIAPVGTNISNIKPK

>comp7086_c0_seq1; 353 1 791 LEN=833; translated
XPPKVDLLVQRLNDSIGAALKTSEEWASAAVAEPPGDSVPDGMAPACIVIDEETDRQA
KDIRYQESQVEGGWIEDHALIDEDGRARCAFHFCKRKLFKDSSFLKKHLIKKHSEFLRAEI
AKCHDSYMMTSDWAQEQRPVPPILVDCGHRFGLKPSVPLGAAEPIAEDPEPELWKREER
REFEKEAELELRRERFQNSQNYHNNHSGESMDATLSEGRSQGRKNNFEDVDDMKVEKVEI
AFDSLEIPLQPPKKKKKKKKLL
>comp7087_c0_seq1; 74 1 257 LEN=363; minus strand; translated
XRNSKKVLERIKMKSMLASSSTATVKELLKVLGVRISPAVPLVFKDGFATVVFREFRI
GKDLVSFGNVLEFLFSFFNVVCGDV
>comp7087_c0_seq2; 744 154 1716 LEN=1736; translated
MTVNLLYVGRQCALATLVYFASTARTIAANPSNTNARDDINNWSAGKLSRGEEAFSLRQ
FDEALRLYQKATQVEPSNGTNFYKLFVRVHNRMRKFSALSIDIEKALELEPSNNAWRMOKA
KLLQALGQCDRSFVEYQQVMQONQANGEGASASTDNI EELLRQAGECDRVIITTAQTALMN
QNYPEAAQYFQMAKYVDATQATDLLLQKATATLETGDYYSVISDTGLILKSYPKHLEAF
RVRGMAYFWLNEHEHAVRHFRFREGKLDPEHKGCKEGHRLVKKIDKKKKKGD TAMEAKNFE
EAI EHYKGAI AIEPGHKNFNRLTTF LVIQAYSKNKQHDEAIQLGREISATDGSTEAFWAL
GDALTEAEKFEEALRIFRDALQAAPEGDNETQOKAQRKVKEAEVALKQSKEKNYYKILG
LPRTATPKEIKKAYRALALEWHPDKNADNVEEAEEKFQDISEANEVLSDPELKAKYDRGE
PVFENQNGGGNPHAQHFFHRGGGGGQHHRFHFNSF
>comp7088_c0_seq1; 590 21 872 LEN=986; translated
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NKVLAGHARKMRAAKFGAKSAEDLACIFGNTEVVATATNGMVPYALPVIAGSGGAKKR
SRAGETETKAKPTGSSDDDGESSSTSSSSGDDQANAAQTTAATGDSEPEPTSKERKRAE
KKRKKEDKENKSKEASSSSSESKKAKKEKKS KPKKSKSEI
>comp7089_c0_seq1; 262 141 815 LEN=878; translated
MLIASTTFVSTRRLSRHYNFGAIEFKYFINHVNKRYDGTKTSAKLTFHEDEHQKPENHR
ACNRKYRGILKIRESSSGKGLGFATKDFAI GDLVMSRPVVTTKERSSHTVQIDWDRHI
LMDLPATLVNHSCDANLGIQNNNGVRDEDDGEEYFGAYDFYAIHP IREGEELTWDYETS
EWELSTFFQCTCGSTKCRGFLRGFKQNADMIRQQNGEYHAAYLK
>comp7091_c0_seq1; 112 1 664 LEN=1193; translated
XPRETARAI CCAFSAIDTSPEALRVATPGGGIKTERDSGSGNGSLRSRLQSHSQSHSYY
YPPGLRAIEVTANLRTRWFS LPYGDQCLCLTARVFEHVGGFPDQCLMEDYXAGPVPADAV
HREPPP VCGDAKRGGPF EATERIAVLSGHSAVCSRRRQKHGVLVFTYTNSRCVGRYN
DGSVSPGELFCEYYGTERPPARSGGEESPWEKGI PPPAGFA
>comp7092_c0_seq1; 432 215 1571 LEN=1732; translated
MTKNKFSTSAVALILLGFHHL YQQQPWARVYGFQFDPNI IHRTPFHRGNHRCQEIIKQRD
ALAFKGRAESNIDPYI SPARVGARYPLFMVTEGDEQPPSFDEGSTSINYQLVLQNVANQA
LIGYQIWTGGTGFRLLSDQAHFGPGAI ILALPXLIPLLQLSRAIETSESPFVSGNLSTN
MAVLRIFGPRKKP IMAFLVSLLLATSTGIVEETVFRGQGGVFLVKENTYFSDLALS LTI
IYLLLSIALPGFANAYGNGDI FTGALLSTLLFAVLHTNPLGFFKGD SFIDNFSLLILQ
IINGGTFCTLYLLTGNLAVP IITHALYDFYTFYKTHLVDVAGQMTYAEEEEALMPCSSNG
VEDKWIQKRGEDWLKDAKQSFYLMDTNRD GELSRKELRIALYSYGITLSKI QSEEEVQA
DIDQSGTIDFDEYLEFIGPTGSRYKAIRNTLL
>comp7092_c0_seq2; 473 215 1482 LEN=1643; translated
MTKNKFSTSAVALILLGFHHL YQQQPWARVYGFQFDPNI IHRTPFHRGNHRCQEIIKQRD
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LIGYQIWTGGTGFRLLSDQAHFGPGAI ILALPXLIPLLQLSRAIETSESPFVSGNLSTN
MAVLRIFGPRKKP IMAFLVSLLLATSTGIVEETVFRGQALPGFANAYGNGDI FTGALLST
LLFAVLHTNPLGFFKGD SFIDNFSLLILQIINGGTFCTLYLLTGNLAVP IITHALYDFY
TFYKTHLVDVAGQMTYAEEEEALMPCSSNGVEDKWIQKRGEDWLKDAKQSFYLMDTNRD
ELSRKELRIALYSYGITLSKI QSEEEVQAADIDQSGTIDFDEYLEFIGPTGSRYKAIRNT
LL
>comp7093_c0_seq1; 531 606 2591 LEN=2942; translated
MESEVLIERQDEDEEQSFMEEIGEETSEQNEKTFSEEDQEQLLIDESHMRLAIEYAKSQ
TAGNNSAYPMPTVGC AIIASDGQVLGLGCSSYKND AIQDALEQTGLDVMPLREWCVTWPA
QAAACWKLRRDDLASATLYVTLEPLASRRGETLPPLTQLIELSGVSRVVI GTPDPVPERAG
MGSQSLHRQSGLDVSMGSVLESECRELVEPYAERTNSKLQILARKHRARTGRPHGLLHCS
VVDSDDIEAFAQLGNAFGKLSGGQTL SFRDFGSYEMAPPEQIWAEGEGEEENLFPELE
VEDDIQVDGDDDDIDSFFRDSAETKRSNSGNVIMPWYSQVDAVIGTFPREGNNGPMKENN

TIKSRNLGLKWLSTFGRELPPGVERILVLDATDLENLPLSNDDPNLPDGV DVEQFWRGTG
RKPTRVLLRKGRRSSQAEGAARAAVAEEAAKAALATKEA IETGEAESAAEAAMEYHSAA
LKATEMIQEELSKTLERKQQLQSFQVGVVETLNGRNPIDVMEHLGKRNGYGSVVWRAGCWG
QRGVQSILDGAFQSVSAHLAVDANGGRFWQQLAERAVQGACGPESRVKVFCSDDDVSLE
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L

>comp7093_c0_seq2; 531 606 2591 LEN=2795; translated
MESEVLIERQDEDEEQSFMEEIGEETSEQNEKTFSEEDQEQLLIDESHMRLAIEYAKSQ
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QAAACWKLRRDDLASATLYVTLEPLASRRGETLPPLTQLIELSGVSRVVIPTDPVPERAG
MGSQSLHRQSGLDVSMGSVLESECRELVEPYAERTNSKLQILARKHRARTGRPHGLLHCS
VVDSDDIEAFAQLGNAFQKLSGGQTL SFRDFGSYEMAPPPEQIWAEGEGEEENLFPELE
VEDDIQVDGDDDDIDSFFRDSAETKRSNSGNVIMPWYSQVDAVIGTFPREGNNGPMKENN
TIKSRNLGLKWLSTFGRELPPGVERILVLDATDLENLPLSNDDPNLPDGV DVEQFWRGTG
RKPTRVLLRKGRRSSQAEGAARAAVAEEAAKAALATKEA IETGEAESAAEAAMEYHSAA
LKATEMIQEELSKTLERKQQLQSFQVGVVETLNGRNPIDVMEHLGKRNGYGSVVWRAGCWG
QRGVQSILDGAFQSVSAHLAVDANGGRFWQQLAERAVQGACGPESRVKVFCSDDDVSLE
FCDSPNADGDCVLT KDGRPVRHVRLDCRVALVDRERSREFV IAPT KRLDRKVI EEEAPWF
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>comp7099_c0_seq1; 570 157 1668 LEN=1833; translated
MAPLSTTRNQQPQPGAPASSETSLEEHGCLEANVLSVYDLPYDPVIPKAVTLSVRGM
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YQETLKIRVVYEDPEKCLETELDRQLHIHEQKWLILNLAPTTPRPGTTHGSSNNGSNGNA
NTSESAIVKSTATIPSVAAEDMSPPPTIRIKFKLSGPYRPEIAALVNLARTWFGVVD AIE
GKISRSSSAMGNSLPNIGINFNKNLLLVPAAFLAVVVAAPVLLAGVAALALPFLLP IVL
VCAGLLATVALSGLLYSSTSTGRSKLGSLLTPLVETLVVSRPGQALVYDTGPRPTPVS
CRQIMPDTMWAKLWISLLIDAIGSSSYLLPLAGEGLDLAWAPAQT VLMAMYESTSPNLK
YLSFIEEALPFTDIVPSACIGWACEFLPKLWKDHAERTNTHVDPEVTRAVTQLVTTAANV
VRTRNSRSSNPTAVPPATATSVY

>comp7099_c0_seq2; 492 157 1818 LEN=1983; translated
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FVSSGPPLARQKDRNSFRFAPVMPDKTKTQGGNSIGASKAKTSAASAAPIKLVAPLREL
YQETLKIRVVYEDPEKCLETELDRQLHIHEQKWLILNLAPTTPRPGTTHGSSNNGSNGNA
NTSESAIVKSTATIPSVAAEDMSPPPTIRIKFKLSGXVSI AAFVSHRIAFLERAVWFCF
DALPQANFHSRVCD SFSSCTHASHHRYRPEIAALVNLARTWFGVVD AIEGKISRSSAM
GNSLPNIGINFNKNLLLVPAAFLAVVVAAPVLLAGVAALALPFLLP IVLVCAGLLATVA
LSGGLLYSSTSTGRSKLGSLLTPLVETLVVSRPGQALVYDTGPRPTPVSVC RQIMPDTMW
AKLWISLLIDAIGSSSYLLPLAGEGLDLAWAPAQT VLMAMYESTSPNLK YLSFIEEALP
FTDIVPSACIGWACEFLPKLWKDHAERTNTHVDPEVTRAVTQLVTTAANV VRTRNSRSSN
PTAVPPATATSVY

>comp7100_c0_seq2; 437 207 1370 LEN=1785; translated
MRTMASTVCILFAVLLSLSLTAVD AFSSSNRLVHNSVRQCDGRASVSSATGTRRHRLGM
ISFGGSGDESKEELPRDVKEAVSNCRQATQTALQKRISRMDIEFPVGTDFGVEKKAKPKG
GGRRRRQAGGDTDTSGGPTQSM LDRSNRELARLFVEMFQPVGGDNIVVSFADELADLAK
ANWKNDAGASCRV LAMNRS GA AKKKKKKKKVVLT SARGFAAKMAAEVEDNDEGTGGQGG
GSGPFQLPNTLEALFVAPGPKELVIDKICETVGMGTLVLLNARLDKVTNFGTEAAEK
LFTEDFESVFLAAAPQQEAPGCLLYRAFPGDWVLARKPSVGRPKTILSQPEKPTNEECR
ETFDNLEISDLEKNVEGFVDNVAGWFR

>comp7102_c0_seq1; 316 121 933 LEN=1288; translated
MSSSEPTKQEPNDSNKERPRSASSAWSFSSLFSSSSSFKDRFQEFDDKQRIERLSACQEL
DKILSDCRERHQREDPSKLGINEDNGDHLDPIESVSI GLRNMKYFGWRGILLQRKREA
NSPTDGNVEVQMVENDDGPDLSAFHDKIRSSCAREQHAVWACRAVATGCGKDI SELKRC
FESVDIFDEDGIDNSSMEPARLPQH IIRVLTTPYTNYEGIEK VADSTDGNNNDVASLRNR
IPCHDIQRRLGSCVTANGRALLERKQQRER

>comp7103_c0_seq1; 324 523 1681 LEN=1681; translated
MEGQPWASSTHGPR SALNGMDLRHQGGDHNFLGSQVYKSN EPPFFVSQPPDTPVDRLKL
STKKNYSLRVKGYTTPNCGGAGIGLILEDSCRKETVWSARMYVPGDR TVFEAEYSAILG
MDYSHNVLGIQRLTVFSSNHIIVNQFQGI FTVTKSNLALLLD TIXGVSTVLAKFCNARNQ
PGKKLKAFAQAVKALATRKS LNVRDRYWEVECHDPIRK IRRNPLKMGRWRK PDRPAQSAI
IDPSRIYRLQFDGGAKECLGVMVLYDDRGT EIWCGWHFHPDAASNNVAEYMGLVCGLRC

ARSLGVAKLIVEGDSLLIVRQINERYRKRKGELVMFRREAFEVIKDLSYFQIRKISRAN
KRADWLASHAMNIRQSDGFIRMSFSGG
>comp7105_c0_seq1; 272 1 1146 LEN=1160; translated
QQAETEQRNSPKSHQTRILIIQFIIQPATTTKVVSRREGFMFFFAVLLGTVVSTTGTTFV
GTDVLPVPPATFGTRTSPSRSRFSLSTVRSKSYGKLLGLNLSSRDTDTAVFCLRGGEISL
PDDEEEGSGIIATKLRNMIRSILDISDNKIPIFSGFLRTCFKLTLETLTGMSILPEQKSKK
KDKAKSKPAKNESKSKKASSEDGVKTKKPSKKGAAASKSSAATQKHLSTSIKSSNPNY
RIQKELKSFIKSPPPNLSVQVGTNIRIWIIVTLKGAKDTIYEGEVFKLRVEFPKDYPTVPP
SVYFLKHKHMPVHEHVYTNGDICLSLLGNGWRPTMSAQSIIVSILSILSSAQSKSLPMDNA
QHATAKPGQFQKDWVYHDDRC
>comp7106_c0_seq1; 413 1 1126 LEN=1335; translated
CYLPERLDEDEGGAKRSDSYTTEKDIENALAIHDEIDGVECAEVSNLSLLAPPSELFQDE
LKAILQVESQHYKPLNYFEFDGCRSGVNNWRRRLCEWMFEVTDHYDFDREVVSFAFDY
LDRSISLAYGPTSNKNLSKKDYQLYAVTSLYLAMKVHGMDSVDGKRIKLRI SAFQELS
RGCFTTETIAAKELELLTLFKWHINPPTCARCIFSLRLLPTWSSMEWDIPREDVVCQIF
DVAKYLTELSIFVSDFSFSYSPMISYSAILCALDYVEESIKPMPFETKIRFLVSIRQIS
NAFFPESEDVRKLQVMLRKLAPKMFLKHLKHYQLPRTVSLNDVDPANSVLGKTSRSISPI
VLGGDEPKTKRQKV
>comp7107_c0_seq1; 217 127 663 LEN=714; translated
MEPATVTIRVAGLGHKLTLEGLPASTTTVDDLARIHEATGVAPRYQKLVGPRRLVLDYR
DGESEQHHCALGGTSLSGAGIVGRTKLLLLHSGLYAAEKDAREALEAIEGEIDALEASI
RGGSAATKAGFVAEMVTRLCKLDAVDPRGSGAMRAKRKELIQRAEGLEALADASKC
>comp7108_c0_seq1; 285 158 1530 LEN=1554; translated
MPSRSCFSRTIFVPIRSSIQRAAQPGRTTQKRKDL SIGKEFTKEIAEMTRILSFATPL
HLALGLALIDDVNNANHPSTGLREEHAVASEFYSELLENHVESDYFSPLPVEYIDTDEL
ESFDWKNVSGISYLTSLNQHPIQYCGSCWAHAALSALADRIKIARSGAGTDINLSIQYI
LNCGTESVSGSCGGSTMKLYRFVKDGSYVYDTCMPYIACSAESLEGFCPFVDTTCSPL
NTCRTCDTFVENGGTREIDIMPNTIAEYGYRYPQDYGYGDEPNTNIGTPDTIDHNNST
NLIRMVKA VKAEIFTRGPVVASINGHGLAEYVGGIYN NATASRDTHAVSITGWGREEQT
QQDYWIVRNSWGEYWGEMGFFRIAMGQNILGIEKKI I WATPNNFTEINYPCHENGGNCGP
TMHTYS DPSSLSSDSRXAAATPEEILISAETIAKIEI
>comp7109_c0_seq1; 520 1 742 LEN=1008; translated
KDEPMEESEKACKEQSKDDDKGTEDESNKESKIKSEPKDDSMGEADEDKDKEDKDEATE
KSKEESKDAVTNDRDKKDDAASKEKETDNAKKGAMEVEAAEKGDDEKTKETQDGATPVND
DEEETEKPTSKGDAADAEDHKNSEKSVGGGVGEKAEQKNPTKEKEDEKKTNENVMEAD
KNEDSKKQENDEDEEGTTEIDAKESKNDDQTKAQSQSTSDGRFEDCCDPLCNGTLQQQI
LDSNED
>comp7110_c0_seq1; 417 108 1756 LEN=1838; minus strand; translated
MVNDGGKGVTYNDRDVFVFLPENLGPRLMGLSSSVGDDSSSLAYLSPALAISSDPSAVAHG
RGLIATSDISAGELLVHPPTVRADVSQLRIYQNKASKSSSSSCGSNLLIESIAETVLLK
EMKRAIRGRTKQARNAKIAASFALNGEHSSNNNSDNHYNDDETTTRNERHMLARVLLG
IGTPEDTEEILSQQLDDNEHLLGIIRHNAFGPDFHHYHRMERELFDANHADTTTGGN
NTTSIASLYSRVLGHYPLAAMINHSCGPTNAARVVFYGETMVASATMDIPRGTELVPYCP
PILPFPERHSRLERGGYGFSCSCQRCLLEGAALGGIPPLPLMGATGHGGAEARLGPDEW
SSVLESVEAWYRAVTAGEPPKHSNNSEPRSPNLNLCGLRLGHTQLYIDYFNQSLAEKGA
VEVLLDQATELHRSFARVHNACTEHL SLLHLSYELEAIGGSTSKETGNGXADLDRAPQAG
TPLQVFERDSREGPGNTTDGPPQAYPDRPKDEEWMSQQNTGGREFFFMERANAHACRR
LAQVVLQQW
>comp7111_c0_seq1; 386 177 893 LEN=1228; translated
MTLQMFQLQMTGYMFKNAEYRLSMSQSLGMSSSLSSNFMLKGVEEELPKEDDPLVSGKI
KGLKIRYRKRADTDTEEVAKTTASDDVEAEDGMEIEVDAAAYMSELRDEVSRRLDEL
EKKETKDEALKQDLLLYIRTLPAQELKSLTNTMSQDVLVCMKGLVQAVLAGIGDGI
TVTEQSGEAMAQLCMWQLAVGYNLRELEVREEMKKNMMSLMGDSSADDSGLSDLGAFE
>comp7111_c0_seq2; 717 160 1647 LEN=1982; translated
MMANTPSTRHLPLCAAGRGVIPVTLVVGLLLRITTTDAF SVTAFRSASRHQWRSVWTQQT
NVVLFSSVGDGNGGGGSGNDGDDLGDFLDPMKPKDSENMKRAREYMSSETSLPISFDSIIA
DDGTD AIDE TVDEIADKANDVDAESKDVDLMSDQPSSSLISSSSSSSSGSENATSSTLF
GGGGDGDGELSPPSPSLLAKNPYMQVSKISPSDLISKFTAESDPRVQEAVRTTILGLIG
SLPKMAFETTSITTGQRLASLMFQLQMTGYMFKNAEYRLSMSQSLGMSSSLSSNFMLKG
VEEELPKEDDPLVSGKIKGLKIRYRKRADTDTEEVAKTTASDDVEAEDGMEIEVDAAA

YMSELRDEVSRLRDELTEKKETKDEALKQDLLLYIRTLPAQELKSLTNTMSQDVLVCMKG
LVQAVLAGIGDGKIGPDTVTEQSGEAMAQLCMWQLAVGYNLRELEVREEMKKNMMSLMGD
SSADDSGLSDLGAFFE

>comp7112_c0_seq1; 1006 82 2406 LEN=2466; translated
MSEVAALMLCALGGKSGSAADITAVLEASGAEVDADKVAIAADMDGKDINELLAAGMEK
LKDVPMGGGGGGGGGGGAVAAEEEEEEEEEEVVEEYPKKKKYSRDGENPDPWQVEAL
SVPFTEDHGKWKLLKGGSDIKSWQGYFYPASQFSVKNYLFSGVNLKFPDYLYMSKNYYD
TSWSSRTHRRLKNVIVTMDFIPSRGAVKEVAAAGKGLTKSQEKMLKRAFTSADNNKSGTI
SFAELEEVKAVDQVVDGEEGDKFFQQMPDFANRPVSFEELKRLLQRLYNRVQAGRYV
ALSLFEAECMRAVMHHLPLIPGKDCAVALLRDRDSTYGYQRARSFQDSTAKACY
RFIDSSLNYPREVSLLFRAIQENNKEMRYNYFVEVMSNRNRKQKDPATSALSKVFINAD
EHHVLNYKIAAGRITAMLKARGMYPRDCFNAIDRRDRDGLLNYYDDVVRGLAWLGLPLDQQL
LLDFMKEVDQDKDGYINLDEFKAAVGFEDDGTMASNAAFNNGMPLPPMPSDNKEKRVVN
IPPPVLAAVKVKVVKVTKFHMWNSQGSMSRKKISIWEPVIQSGAFRQNKESFSLGHFAG
SGYDNP SRDGKDRLCIEVTDTTGSWVGSSWLPVLDKFMHPARYRLAWSVTHGSNPFY
GWEAVPPGDEFVALGFITGKQDKQPDVKRMRCVPRDWCKPSGYLAKIWDSSGSGGRQGS
WVFNTLNLVGFVSGSDPPAKKGHDLKSSRFFLKEYSDTNAKNVAPAGGYVNPKA

>comp7113_c0_seq2; 281 313 780 LEN=1089; translated
MVLRLSPLIPYNALDYISGVTSISLKHYSIALLAMLPGIIMLCSIGASASSLSDRTAST
SNATVKIVTIVSGLLFGGCGVFMASYYSKLELDRILIDQSTGSSALYYVAHELSQLNEAEE
IAIELGRDEESDEEVVDDNESENEEGRDSEQIHDSW

>comp7113_c0_seq3; 289 339 1256 LEN=1565; translated
MQRDRDHRRKRVRFLVGLILLSCILCVVDFARDKIESALVGFLEWTREHTYEGMIAV
ILCYIVATVCFIPGSLLSFGAGFAIGSSVDTTFMGIALSSGCVFLGASIGSICSFLLGRY
LFRDCVLQLAFSYPFQAIERALETGKGLKIMVLLRLSPLIPYNALDYISGVTSISLKHYS
IALLAMLPGIIMLCSIGASASSLSDRTASTSNATVKIVTIVSGLLFGGCGVFMASYYSKL
ELDRILIDQSTGSSALYYVAHELSQLNEAEEIAIELGRDEESDEEVVDDNESENEEGRDSE
QIHDSW

>comp7114_c0_seq1; 441 176 1687 LEN=1977; translated
MFNRNRNSGIDNAVRHPKSARLSKHGETSDNDFDKQAEYLIPAEVRMISGCHSLETSADV
ANIYSIAEPGKLPSPPEGRAGGACTTVLLSILYDAQKKGNSGADSVTFQRLLELRRLAQ
TGMSQIPQLTSSRPLELKETPFSLRSKGPFIGNGRYQQQRQGESGTQRALLVGINYGG
SGQLSGCINDVLNVKKYICKYQGFLEKHVLLIDDRHHHTRENIIRALRRLVEHSPG
DSVYFHYSGHGLLDPNYWDRFKSRVSNKKYDETLYPVDHVTSGQIKDFNLFHHFVKPMA
AGVTVTCVMDCCHSGSVLDLPYSYRPTNDGTIRMRSMDSLTNLYLYILAGGMLPSHG
ESIAENLETKTGEALDSIQGIGVEELSSDIDGFENVYTNNGNIFSDTTGDNIDIVGTAGD
DGNIPVYSSDNLVCEAGSVPGQGITDGDGNGAGVFGNQNSDGSQAQDFVADDYTSADCD
CGGEDCDGCDVVGELLNTMFENS

>comp7115_c0_seq1; 1325 374 3922 LEN=4457; translated
MKSSITIFTLWAALASRDCAAWAPVGLSASRATSIDRRNRNFSSFHTKIQPSSTSMYAT
IEDDEEQEQANKPSEKDSVSEAFNTEVNEFFSPIPYSELITGVIKETFKGENRVSQTPDS
VRGLVKAGFTVIVESGAGDNASFNDSYIDAGAIVLSDAEQVFQDADIITKIRPPSDEEV
PRLQKTLFMSIQPAINTELYASLTQQGTNIFALDCVPRMLSRGQSFDTLSSQANIAGYR
AII EAADAFPRFFAGQMTAAGKVPPAKVLVMGAGVAGLAAIQTAKNMGAIVRAFDVRPVC
KEQVESMGATFLEVDIDEDGSGAGGYAKEMSDEYKAAQRKMMLEQAEDVDIIVTTALIPG
KKAPILVDQDMLSLMKAGSVCVDLAAANGGNVAQTQPDIIITTSNGVKIIGYTDLP SRLA
STASNLFANNIAKFILSIGPQTKEKGVFQIDLEDDAVQNMLISYGGNARWPKITPFTP
PPPPQQEVAEVVELTPEQEKALVDQRSKDAFVKNTLIASAAAALLVGFGLTADSSSSVNL
MATFGLAGLAGYQVVWGVAPALHSPMAVTNAISGCTALGGMLLLASGDHTGASLIPDSP
AHWMGAIATVLSFVNIAGGFLVSGKMLDLFRRPEDPKEFFELYGIPVGVIVAGLAAASFS
DVGDIGLMSGTASIAASLLCISAIAGTYALNFLFSFVGPKRMPSSLNNYSFFGXELFLLI
LHIKTALANQETARTGNFLGMAGVTLGLAATTSDMAIAGASPVVFFQQAGLLAGTGAAVGT
AVASKVGPTELQPVAHFSLVGIAMAGAAGEYLGNSGALPAGTLSSIIYLATFIGGVTF
SGSLVAFGKLSGMMDSAPLKLPAQDQINLAMLGACALGMGAFLGPDIAASLLSMDADTVG
LASLGMMAVVSSVLGWHLTASIGGADMPVIVITVLSYSGWALCAEGFLLNPLLAQV GAL
IGFSGAILTWIMCEAMGRDVSVILGGAGSDTVASAGEAVEYDGEVTTVTVEAVTEALTE
ANNIVITPGYGLAVAQAQFAIADIAKNLKAAGKNVRFIHPVAGRMPGQLNVL LAEAGVP
YDIVFEMEEINDDFDTDVTLVIGASDTVSSAAEDDPNCIYGMPVLRVWKSQGVFV LKR
SIGNTGYAGMMNPILFKENIDVLLGDAKDTCDALKSAVSAKL

>comp7115_c0_seq2; 1407 374 3802 LEN=4337; translated

MKSSITIFTLWAALASRDCAAWAPVGLSASRATSIDRRRNRFSSFHTKIQPSSTTSMYAT
IEDEEQEQANKPSEKDSVSEAFNTETVNEFFSPIPYSELITIGVIKETFKGENRVSQTPDS
VRGLVKAGFTVIVESGAGDNASFNDSTYIDAGAIVLSDAEQVFQDADIITKIRPPSDEEV
PRLQKTLFMSIQPAINTELYASLTQQGTNIFALDCVPRMLSRGQSFDTLSSQANIAGYR
AII EAADAFPRFFAGQMTAAGKVPPAKVLVMGAGVAGLAAIQTAKNMGAIVRAFDVRPVC
KEQVESMGATFLEVDIDEDGSGAGGYAKEMSDEYKAAQRKMMLEQAEDVDIIVTTALIPG
KKAPILVDQDMLSLMKAGSVCVDLAAANGGNVAQTQPDEIITTSNGVKIIGYTDLP SRLA
STASNLFANNIAKFILSIGPQTTKEKGVFQIDLEDDAVQNMLISYGGNARWPKITPFTP
PPPPQQEVAEVELTPEQE KALVDQRSKDAFVKNTLIASAAAALLVGFGLTADSSSSVNL
MATFGLAGLAGYQVVWGVAPALHSPLMAVTNAISGCTALGGMLLLASGDHTGASLIPDSP
AHWMGAIATVLSFVNIAGGFLVSGKMLDLFRRPEDPKEFFELYGIPVGVIVAGLAAASF
DVGDIGLMSGTASIAASLLCISAI AALANQETARTGNFLGMAGVTLGLAATTSDMAIAGA
SPVVFQQAGLLAGTGA AVGTAVASKVGPTQLPQTVAAFHSLVGI AAMAGAAGEYLGNSGA
LPAGTSSIIYLATFIGGVTFSGSLVAFGKLSGMMDSAPLKL PARDQINLAMLGACALGMG
AFLGPDIAASLLSMDADTVGLASLGMAAVSSVLGWHLTASIGGADMPVVITVLNSYSGW
ALCAEGFLLNPLLAQV GALIGFSGAILTWIMCEAMGRDVSVILGGAGSDTVASAGEAV
EYDGEVTTVTVEAVTEALTEANNIVITPGYGLAVAQAQFAIADI AKNLKAAGKNVRF AIH
PVAGRMPGQLNVLLAEAGVPYDIVFEMEEINDDFDDTDVTLVIGASDTVSSAAEDDPNCS
IYGMPVLRVWKSGQVFLKRSIGNTYAGMMNPILFKENIDVLLGDAKDTCDALKSAVSA
KL

>comp7117_c0_seq1; 133 173 853 LEN=1336; translated
MRKQVQPSSSCERDQPARRPSSPVSPQRPLPPWPVVPAPYASPAPHDRRACPGAPVQQ
KKSRSRIFAFGERDYGEHEASPLRPRLLFFGDDGDGCGGQERSRPSDREATGEDVDCGNF
FVRRFEASIESPRSNTGTLGSSSLAPTSASTPSATSASPSRPTTTSRRIISPQRGSNRENT
IDERNTNAEYALGQEPGTTLAGQGITGRSRSISNTSTNTSDARKRT

>comp7118_c0_seq1; 399 328 2073 LEN=2529; translated
MAGAFRHSTLTI AKIPRRSQSSLALSMTNNTCSKQIHGNSFRNSLPRTHNAYGIGHNNFH
STSTCRSPENKPSAAFPHLRSP TSEHARELFLLMNSRPGSLLTLLDCTKESGDANAESL
EKYNVDWTGHYRGFSSIVVRPNSTDEVSRILKYCNEHLVGI VPPQGGNTGLVGGSIPISSK
EIVLSLEKMNTIEDDGRESNVLRAQAGCILQDLQDHANKNGSLVPVLDLGA KGTCCQIGGNV
STNAGGVYRYRGLSHANVLGLEVVTP TGDVNLGYSVSHLKDNTGYDLKHMFIGSEGT
LGVVTKVALRCQPSVSRGAIWLS CNSLQDVVKV LNIARTERLSEILAAFEFMDGDVLEL
VRQTHPFIRFLLNAGD TDAPMQPYSILVETHGSHDQHDREKLESFLECIFEGLVTDGV
VAQNLGQIEDFWKIRELCNPSSAASGYVYKYDVSLKARDFEGFIRDMKLR LGDVSHASS
ADHLLCVNWGHIIDGNLHCNIVSGGKFEKDTGLEKF INECVFQEV MKRNGSISA EHLGL
QYKHNYMPQIKDPPTLQAMYDVRS LFDPNGIMNPGKYL PST

>comp7118_c0_seq2; 48 1 212 LEN=1046; minus strand; translated
XGKKIDPDEIFPEVHSCDLEAIFGRRKSKNYRSRASSGNWANDQV TAAEKL VYKRQMGFA
TDHAMDSTGV

>comp7119_c0_seq1; 656 138 2189 LEN=2313; translated
MAPFVKLRKTKLPEDQHHPSEYRGI FGEKGDSDDWNEAVRDFPNKVPRFESQDDCLQFMK
EYVRHHGGSNPGFPHLKHIFTTLITWDQIEQILIPAITKARKEPSQAKKVPQDYGRTPDD
NSRNIYERSGGKEVVDAINFRLNLP FHKATTPVSVLNTLKYLF FHMCKGIYVMIRDGKVR
IFCPFSNRDYRNTWSGR LKIEGGGSLEEY YAKKKGICRKENIEEDLSVWWANGNI CNEL
SSNKNETKYQIQVWGDQFLSPLK DMLAEACRERQIPDCEFFLNKR DYPQLKVNVERGIPV
EPYGFIFDKDDRDP AQDVLDVDEHKFKTYAPIVSFYAAAEDRFSDIPWPSS EDWEGACGL
VFPQTFLYKEVDEEGYPVFKPPRDLFTEQNFQKFKRGWYEGRVATAFFRGTATGGGTTVD
NNQRLKVASLSHEWKDDEEKGDPEFLDAAIVGWNL RDKKEAAHPMTFLRPSDFKFTAGR
HHFTPIYEQSR YKYL VYVDGHCAACRYAFMMRLG SVILKVEPRQVADRMWYFPLLQPYVD
HIPIKSDLSLEEKIRWCREHDEECREIAENCLKLYDKYVARAGLLDYVEMVTKHIAKRH
IEAPGWWEAPPPALPPP KLNKPTTLCYEHKGTGESRLCVRCQEDADKEQKELEATQKLAA
SEKSKKQRKQALRERMLKRSRK

>comp7121_c0_seq1; 585 1 1103 LEN=1351; translated
XLSAGVVEASC SACRGRQVLHSCGRRSLPIDYEEIARAEREKKEKEKEEKKRVRAEKRRL
NDQKRREAKRQKQREAEQEQRREEEQRKERE EQARLQEA FASQDLHRHKRKEALVSYQAA
HQSSTDSREAVLSSPPQSVSNGHKQ GAVGAAAAAATAFRHYLPSHQKPAAAFPEEYL
SGYAAPVQSQAAGANFQATYQAGNHLLAQQQQPPETTAYPATDHPVARVSDAPSVASS
EQAAF SRP THSSEADLLL VFAGHNTAKTPTAATATPAALQTATAGL GAPNHGMEGGPAST
AANQTYPSLSLFSASHGFDAVSTTIEDDQALAHVRKGI PSYASLRGQGDGTGGFWAASAP
GANGTGR

>comp7122_c0_seq1; 744 363 2423 LEN=2866; translated
MTSTEWVQVDPVPSIQALAPHASEELFGGDFLGDELMDIYNAAVVGGDENDDDLKEMSSL
LDTPTDAKKPEAIDGFGAFRSTSFNNLSTALLDPNPESATLSIVPTVEPSNDVPPGSV
STRVISSSSLEHSLVISPPQPLVAPTSSMVTYVTTTGGTKRKKTVAAANAGPDLKRKSVSG
SKQKKNVQKGAATKVKTKTSCNPRKVTI SSPDLATTSVVPRTTVLAPTKPISPSVSVHA
PAASIKQESGPIATSAQNSASQSKASAAPQAVSSAPVAAPAASVLSNPPTEADFKSVA
QAAVNNLIMNAGSNNTATKSKNEKTTETRPNSVVPVPSATSIPVVTPTIRVDTSTEHVKAL
TGSNWVAVCGGITSTDSNNQNSDKLNRARRSNLTPDERARQNRDRNREHARNTRLRKK
AYVEELKATLSALVTQRDAAELEKRHASQRELEQREVRFRVLEEFLLKLRGRNEANAARWA
AILEENFTLTMFVNFVFRDMVHSNDGSPRYEQVLTGVGVEVMNDSTLFSNFLQNFCKLGNNE
RITCVYNCDRNSFFMDNVCVAMMDWTAATHGVSGQRVLELLKQIRAKFSPASNKLI SVIM
SFDTGAINSQLNLIQAQKQSSSEADAAAAAAQVAANEADALLDSLEMPHFEPNPGSFISSR
SNVVPSSGSSASSNDDKAVISSDDE

>comp7122_c0_seq2; 744 589 2649 LEN=3092; translated
MTSTEWVQVDPVPSIQALAPHASEELFGGDFLGDELMDIYNAAVVGGDENDDDLKEMSSL
LDTPTDAKKPEAIDGFGAFRSTSFNNLSTALLDPNPESATLSIVPTVEPSNDVPPGSV
STRVISSSSLEHSLVISPPQPLVAPTSSMVTYVTTTGGTKRKKTVAAANAGPDLKRKSVSG
SKQKKNVQKGAATKVKTKTSCNPRKVTI SSPDLATTSVVPRTTVLAPTKPISPSVSVHA
PAASIKQESGPIATSAQNSASQSKASAAPQAVSSAPVAAPAASVLSNPPTEADFKSVA
QAAVNNLIMNAGSNNTATKSKNEKTTETRPNSVVPVPSATSIPVVTPTIRVDTSTEHVKAL
TGSNWVAVCGGITSTDSNNQNSDKLNRARRSNLTPDERARQNRDRNREHARNTRLRKK
AYVEELKATLSALVTQRDAAELEKRHASQRELEQREVRFRVLEEFLLKLRGRNEANAARWA
AILEENFTLTMFVNFVFRDMVHSNDGSPRYEQVLTGVGVEVMNDSTLFSNFLQNFCKLGNNE
RITCVYNCDRNSFFMDNVCVAMMDWTAATHGVSGQRVLELLKQIRAKFSPASNKLI SVIM
SFDTGAINSQLNLIQAQKQSSSEADAAAAAAQVAANEADALLDSLEMPHFEPNPGSFISSR
SNVVPSSGSSASSNDDKAVISSDDE

>comp7122_c0_seq3; 744 325 2385 LEN=2828; translated
MTSTEWVQVDPVPSIQALAPHASEELFGGDFLGDELMDIYNAAVVGGDENDDDLKEMSSL
LDTPTDAKKPEAIDGFGAFRSTSFNNLSTALLDPNPESATLSIVPTVEPSNDVPPGSV
STRVISSSSLEHSLVISPPQPLVAPTSSMVTYVTTTGGTKRKKTVAAANAGPDLKRKSVSG
SKQKKNVQKGAATKVKTKTSCNPRKVTI SSPDLATTSVVPRTTVLAPTKPISPSVSVHA
PAASIKQESGPIATSAQNSASQSKASAAPQAVSSAPVAAPAASVLSNPPTEADFKSVA
QAAVNNLIMNAGSNNTATKSKNEKTTETRPNSVVPVPSATSIPVVTPTIRVDTSTEHVKAL
TGSNWVAVCGGITSTDSNNQNSDKLNRARRSNLTPDERARQNRDRNREHARNTRLRKK
AYVEELKATLSALVTQRDAAELEKRHASQRELEQREVRFRVLEEFLLKLRGRNEANAARWA
AILEENFTLTMFVNFVFRDMVHSNDGSPRYEQVLTGVGVEVMNDSTLFSNFLQNFCKLGNNE
RITCVYNCDRNSFFMDNVCVAMMDWTAATHGVSGQRVLELLKQIRAKFSPASNKLI SVIM
SFDTGAINSQLNLIQAQKQSSSEADAAAAAAQVAANEADALLDSLEMPHFEPNPGSFISSR
SNVVPSSGSSASSNDDKAVISSDDE

>comp7122_c0_seq4; 598 65 1957 LEN=2400; translated
MSSLLDPTDAKKPEAIDGFGAFRSTSFNNLSTALLDPNPESATLSIVPTVEPSNDVPP
PGSVSTRVISSSSLEHSLVISPPQPLVAPTSSMVTYVTTTGGTKRKKTVAAANAGPDLKRK
SVSGSKQKKNVQKGAATKVKTKTSCNPRKVTI SSPDLATTSVVPRTTVLAPTKPISPSV
SVHAPAASIKQESGPIATSAQNSASQSKASAAPQAVSSAPVAAPAASVLSNPPTEADFK
KSVAQAAVNNLIMNAGSNNTATKSKNEKTTETRPNSVVPVPSATSIPVVTPTIRVDTSTEH
VKAL TGSNWVAVCGGITSTDSNNQNSDKLNRARRSNLTPDERARQNRDRNREHARNTRL
LRKKAAYVEELKATLSALVTQRDAAELEKRHASQRELEQREVRFRVLEEFLLKLRGRNEANA
ARWAAILEENFTLTMFVNFVFRDMVHSNDGSPRYEQVLTGVGVEVMNDSTLFSNFLQNFCKL
GNNERITCVYNCDRNSFFMDNVCVAMMDWTAATHGVSGQRVLELLKQIRAKFSPASNKLI
SVIMSFDTGAINSQLNLIQAQKQSSSEADAAAAAAQVAANEADALLDSLEMPHFEPNPGSFI
SSRSNVVPSSGSSASSNDDKAVISSDDE

>comp7125_c0_seq1; 718 107 1396 LEN=1553; translated
MNAATTYVVKATVLLCIGRHVCEGFTTTPPMTHRQHQNEAISGEISRRVNTVALSTTPP
PTATRMALRSSFYDDFEDFEMNKDGEDDDDDDEDEYAEIDERSIADFKSKMSNLFDDSGG
DGDKSAEEGMGTIDDLIDFARKQQAEDSASASAVPAAAAGDWAKATTEIGPGTVLVANP
SKFCDEGDYGRMSTANEPSSGGKDFFASALGRTGPAPSLAKFGLTQPPRHLGADRQA
DLLPVVVVVSTEGGQVQGVLLNRRRTGYLLGDLEQPSADNGDSNEDMAPILEKFCIQPLWF
GGIDSLSVGLDMLHLCPVTKDATKITEDNVYWGSDPAQAQDAMEDPSLDRAYSGFDFKFF
VQSTIWSNAGSLQSEVDDKIWFPAKVSQNIIFKSRDRMGTKKAQPLWTEIMGLMGDEYGE
IMKNFYATE

>comp7125_c0_seq2; 346 144 548 LEN=548; translated
MGRKKGGGRGKKNRGDDDDWSDQEEIPVGGTPNATEEPAAPKLSRKQQKLAKQQAKKAAAQK
QQQQKDSDDSDDLAALMGGKMNLGKKKSGNYSDDDDDDDEDSSDDEMLPPMPSKRNNDRG
RGRNNRGPPPPMDDS

>comp7127_c0_seq1; 440 169 1638 LEN=1862; translated
MPSSTTDSNNNTTEGLSRNNTVRSFKVMDVLRGANELQQRLDREYASAVASGKSPEAPEK
VLHLEVGQPESGAPKTVADA AVEALTMPRAKTNVMGYTDAFGLLDLRQRIRQHYVEKYSN
SDDRTEQQQQSLCVPDVSQIVVTTGSSGAFLLAFTGCFDPSDTVVAIASSGYPCYRNILQA
LGCEIATVPINDEYKITATELSQEIRDLADGRPSIKGLILSSPSNPTGAMLT PKELKEL
CDLCNKEKIVFMSDEIYHGISYGNVPEATALQYAAADTEHPVNIENIVVINSFSKYYSMPG
WRLGWMVPPRFVQAINKLQQNMFINAPTVSQTAALRCWDEETIQELETHVTKYRANREV
ILARFESSRSPGGEKQQVLKGLTLEKNVAPADGGFYVYVDLGEDNICINENANLDSVSM
CEELLFRYYVAFTPGIDFEDPNC PKNMGRRFRIRISYAGGTENIRKAMDKFTEFWNSFWLV
EIANAKNLV

>comp7128_c0_seq1; 625 30 1574 LEN=1988; translated
MAPDHSRESTTWIKKVQYVVSLTLLGLCVALCTAGIVANQTPVAAASNSAVALVLMWVL
ILWLGILEGGQGSVLGLQPVNSEKFKFSHPYAFACTEL AHKGDNLNRFIVGRQFLVVLV
FLLNMACTVVDVDFVPGVPHALMSSMVASGLAVMIITVVVGQLAAEVNATNCMLDFIDNR
LVWVTTLICLMIETSGLLHSVYLVQCFFSNESMSKESTDKTFQQKVWYWGRVAMSVSLLT
VAMAVTCAALWHDETTMYPGLTTMASFALFFGLVCFGLGLEGIQIAAFVVKLP THIVRA
SPAAGANCDLVFRGKNFKAVLIGRQICVTTSMFLLARITTTNVPNDLIDTSATDSTVLG
MPACIQNFNTGLPGALITTVVASLWWRILAAAFP IAFMGNSVVYWTIRLCLCLEATGVF
SSAWLMADGIKWMRLRFQTDVVYFSDGDKDIDLELNKYGVDDSQTLLSVSTGKNDSESTFL
TSSSSNGNFSTYGSNSSQEFDTFSNPSPSPSLEF

>comp7128_c0_seq2; 284 1 675 LEN=1089; translated
IRIHIRCCDACQOEHANCDLVFRGKNFKAVLIGRQICVTTSMFLLARITTTNVPNDLID
TSATDSTVLGMPACIQNFNTGLPGALITTVVASLWWRILAAAFP IAFMGNSVVYWTIRL
CLCLEATGVFSSAWLMADGIKWMRLRFQTDVVYFSDGDKDIDLELNKYGVDDSQTLLSVST
GKNDSESTFLTSSSSNGNFSTYGSNSSQEFDTFSNPSPSPSLEF

>comp7132_c0_seq1; 1049 147 2819 LEN=2830; translated
MANIAP TSAANYRSVTPAMNNVRRGVGASSGGTPNSMNMRYTDSFNPIDTPQQQSFNQ
QSNHGNLTPSSTGLRLTLRKPMGIVFEPMYDPNTPSIQRGV RICDLPRTGAAALSRLKLE
VGDELLSINDKTM SRLFDEIMDFIEADPEEVNLLFRRPRKETLHARQGINLNKASPN
GPGVKWIDDEERNVSGGKAKPETSTMSRRSGGRKDRKSSRRSGNGSSSRNHDEETLQSE
DNDYSRSGTGRSSRGRKRRRDKPYESEFLDILIDTICANPDSVCRDRRRGDDDYSD
DEFASRDDSTYVTYESEDRELKMKKSKQSKGSKNRDDDSSEYGDETEEDTLDDKRS
ANSSSKREKGSARLSPPSEGLKSPSDMMKKKSSSGKYEDDGTLETVDSVERN KAMEAALA
PDPTPPLGLAPNPEPAAGPVLP SDTDDDGNPAPIKTVEYDDMDNGADVSVMESLGGPSLL
IEKQRQAAAVVATKVAVPPVPADIENFGKDYPLDFGFSREQTIQNDPLRFYTFVVKGLL
QEHEPEKVRLLLEKLLAKYRGREDHLVQKLSVRYNKEEEEEQDQHEHGLGAARSFEDAVNQ
GKGSAHANATIQTARERLQNDGFQTDQWPEKETKEQDDEDDKQPEMQSESGTEFSGDSID
GTSPAVIAQVSELLNYVYKTSVPGQIDRVSTIMRAYEGREAVLLELLETKALIKANREK
ENAGQLPSFLRNSANAQRNAGNEMSAADGDVPPVTPMATQAAINDDISSMSGVSSPAEQ
QHAVNAGVLKQINGHDIAPHSAPGTDGNAGHEVEFP RATSSPQKLKGARAPVPEKGD
AKKKGIFGGLFGGKGGKSKDADK SERTASRTRGLRSPMGRKLNPTETSA

>comp7134_c0_seq1; 421 34 1089 LEN=1257; translated
MVRFSQLCLALLAVDCSVEAFNVLVIGGTRFSGAYLWKSLSYDEGHDTVFNRGKTDPRPV
ARESDVDFQARLAASTAIKGRKDPESELKSSIDPSKYDYVFDMNAREVTDTKPLAELFVN
QPNFKQYVFMSSAGVYLKSDEMPHLERDPVDPNSRHKGKLDSEDCRKLNI PWC SFRPTY
ICGPQNYNPNVERYFFERADGDRPVCIPGHGQHLTGLGHVEDLATAMTNVIGREEKTGKV
YNLQNSQAISFDGVAKAAGKVLGKDVEI IHYDPASISFPEGKAFPMRPQHFFFTNIHQAM
TDLDWSPKYD TVESIMKDSYENDFVHIKAAGGLKND FICDDIVA EHA KAMA

>comp7136_c0_seq1; 860 1 1952 LEN=2422; translated
XKNKLEDK KYSSRKAQFCLRIHSHSHNLTTATMRFNQSVVSVLGLFLASAGCANAF TP
LNLVSHAGRFATSLEASKMEKLPESCVRVTLEVP GPATKAAYEKVCTELSKTVALPGFRK
GSKIPPQVLEQAMSAKGRNALKTQAIN TLLSELIESALKEEHGLEPIGQPSLETAEEEL
ASGFVPGEDFEMAVKCDVWPD IQWKKVEGAVDPEKPYMGLKGTYTRKPFDKSKMDKALTD
LKERYATLDKIEDGEYELQMGDACTVNMEGYMANAEGGKGEKLPDAASGDNVEVILGEGR
YMTGLVEGLLGA KVSQTREITVTFPDKLRDKTLAGKKA VFDVTVLEAQKRNIPEITDEFA
EKVRAGLTAESLIEELQTAVDQEDA KEFTPARNSALAKALSQVMDVEVPD TLVTNQARDK

FALMMSDMRNNNGVADEEIKKQISPENFLKYKKIVKDDIVADFKVSMATDEIARIEGIEIE
DYMVEEQMESIKQEMQESDDDFDEAGIRARVEATLQRQSVMDFLAENADLDVKFVEGEGD
FDSSLMEKLAEEESLAREQEMESQAPKETGESPATPPDVEAVAEVPAEEVVEEAPVDE
AETETVEEESDPASDSDSVAEERDVSSMSLQDQAFYALMDSGALNRDGTK
>comp7136_c0_seq2; 448 122 1105 LEN=1575; translated
ESQKLRDKTLAGKKAFFDVTVLEAQKRNIPEITDEFAEKVRAGLTAESLIEELQTAVDQE
DAKEFTPARNSALAKALSQVMDVEVPDITLVNTQARDKFALMMSDMRNNNGVADEEIKKQIS
PENFLKYKKIVKDDIVADFKVSMATDEIARIEGIEIEDYMVEEQMESIKQEMQESDDDFD
EAGIRARVEATLQRQSVMDFLAENADLDVKFVEGEGDFDSSLMEKLAEEESLAREQEMESQ
APKETGESPATPPDVEAVAEVPAEEVVEEAPVDEAETETVEEESDPASDSDSVAEER
DVSSMSLQDQAFYALMDSGALNRDGTK
>comp7139_c0_seq1; 461 1 2124 LEN=2224; translated
RPEESSRVILLSGPPGVGKTTLAHIVARHAGYRPVEVNASDERSSSGVLKDRIQRAMESTT
INFKPGNTGADGNNAADYGKPNCLILDEIDGADAKGAIQGLVDIVKAEIPSKSSKQKSGT
TYLRRPIICICNHKYAPTLPPLPYATHFSVEPPSPARLVVRLKAILNQEKMAMMGGGPL
LHQLVVSSEGGDIRSCLFTLQFAAAEAKNSTDLSQALAKSLSGTGLKDDRNDITSTISTVF
RKTTPKRARFSSSKLLVGSSSSSSRDSENRASVSRVMAAVEGLGDNSAAINALFLNVPRVS
YIDPAFDRCSAALELISFAVDANQQQSGYALPVVTTAGIHLPCRVEVKPDLTFSSRELADM
KYSRDSNLGLVQRFSEGLPPGAKNLKCRALLSEEFIPMTWILSAGEGACSLSRPASSID
ILTSPEQEAARKHVSSLCALGLTYVVDREKEETKERVSSFRASVREMRMEPIHRLVEYS
SQIPPGRASRNEIPAQLKELLAHQVLLLEGFRNRESPRASGSPVKKKAGIAAAESSKTPVT
NGAEP'TTTTEETS'VVT'PAKVTPR'KLDQWSRPTGLTLTESKEVKVCQAF'LAVLXKHGSGEF
FGVKNP'GGKSYFFDFSF'IFV'TLLPSPHFFQASPSSTPGN'FLGIAARKGKA'AKSARRAARL
GLNRASSKKQKLAHSGSGFLLSHVVRM'KYVKGFTQAVRTPCRLSDLE
>comp7139_c0_seq2; 485 1 1983 LEN=2083; translated
RPEESSRVILLSGPPGVGKTTLAHIVARHAGYRPVEVNASDERSSSGVLKDRIQRAMESTT
INFKPGNTGADGNNAADYGKPNCLILDEIDGADAKGAIQGLVDIVKAEIPSKSSKQKSGT
TYLRRPIICICNHKYAPTLPPLPYATHFSVEPPSPARLVVRLKAILNQEKMAMMGGGPL
LHQLVVSSEGGDIRSCLFTLQFAAAEAKNSTDLSQALAKSLSGTGLKDDRNDITSTISTVF
RKTTPKRARFSSSKLLVGSSSSSSRDSENRASVSRVMAAVEGLGDNSAAINALFLNVPRVS
YIDPAFDRCSAALELISFAVDANQQQSGYALPVVTTAGIHLPCRVEVKPDLTFSSRELADM
KYSRDSNLGLVQRFSEGLPPGAKNLKCRALLSEEFIPMTWILSAGEGACSLSRPASSID
ILTSPEQEAARKHVSSLCALGLTYVVDREKEETKERVSSFRASVREMRMEPIHRLVEYS
SQIPPGRASRNEIPAQLKELLAHQVLLLEGFRNRESPRASGSPVKKKAGIAAAESSKTPVT
NGAEP'TTTTEETS'VVT'PAKVTPR'KLDQWSRPTGLTLTESKEVKASPSSTPGN'FLGIAARK
GKA'AKSARRAARLGLNRASSKKQKLAHSGSGFLLSHVVRM'KYVKGFTQAVRTPCRLSDLE
>comp7140_c0_seq1; 265 898 1503 LEN=1603; translated
MAIANQTRISDQSI VHTDDSTKTDSVSNKTD'RKSYKRPLRC'GSSPFKCTNMPYLP'PHSSR
DL'SLDTIT'EF'PYLEDKFSMSLPCSLFSSSFDEGNSQKVRKSHHNKTRSLDFVMDA'ISIVG
IDEREELQSTVSVSSPTPFTRSR'PLSPPLASVSDDESVDSSR'KDEERSILRESRWDC
QSRDFVVRKCD'SAPTCP'RAQ
>comp7141_c0_seq1; 265 1 1715 LEN=2039; translated
RYFTNP'NKHSLAGAVLQFKLEFFLGTIFPAKYSSVARKAHWCVENAPMDHYDSGGKXKVK
RL'IVIEDQNGSAKPKNGWDSHNMP'WLATFLFAVTLGLFELFRNLHQMEYI'SFHGEDGMS
TLLDQPLVTSNRNNTAKTTIAYAVSITHFEVDQNKNEPHNVFDRAAVLHQSIKVAMMKSP
RYDYHIYAFVHPDAVGAKPLLQRLGYRVQIRDT'PFNISKVSNPELVEAQNGCCSEREYL
KLYSYLLSDYPVAVHMDLDTIVLRSMD'DVFDMMMLKTGEGPSTSQQSELF'SRKSTMWTSN
PQNNIKSTHSSKRVL'ENPENINFMFTRDYNMVDPSDPPYKQPYQIGVQGGFLVIRPNQRD
FDRMIEIILSGGEEYTI'GDGWGSKLGYGGYYGAATI'QGLASFYDYHEKAQRSIELNKC
RYNTMVDN'PYXFDKGSNKTLCRTLESECEDCRKTKLEDVYSAHFTVCGKPEWCDTLD'PDK
DRLCSQLM'KKWHQTRL'NKTLEW'NRFSSSKNGNDKANLMYV'PQLNGVDPSESRGKLL'ESN
KLGHCDGENYIPLQYPAMATTS'LHSDEAPLI
>comp7142_c0_seq1; 152 139 861 LEN=1175; translated
MTVGSSEPLIGGASLSDTPSRTLFT'PQTARVPKTSYAGFETPTRQPRTPFVFLSDRKSVP
TELKNLQERTIKRRRDFVARMHELDCHTAKLMSKYAEERM'DLDLATCDTFERTI'IHPLLS
STERLSLDRQASMNRSVGI'PALERRVGAIDAQMTHHINVIMSDAKMDKLD'SIHDELQRSV
KPEIRIENKSNKIEAGIVQRFESVVG'TINKSYRSEWASRYVFLYFRALPFDFSSPLTI
>comp7142_c0_seq2; 204 139 1041 LEN=1088; translated
MTVGSSEPLIGGASLSDTPSRTLFT'PQTARVPKTSYAGFETPTRQPRTPFVFLSDRKSVP
TELKNLQERTIKRRRDFVARMHELDCHTAKLMSKYAEERM'DLDLATCDTFERTI'IHPLLS

STERLSLDRQASMNRSVGIPALERGVGAIDAQMTHHINVIMSDAKMDKLDSDIHDELQRSV
KPEIRIENNKSNKIEAGIVQRFESVVGTTINKSYRSEWASSRAEIEVLQRKTETGVPNRKE
RVEVTLAKISELRARVREERAKRIAADQAIYEDIVRKTSAMKRAMIAMASDGDSTSSASS
>comp7142_c0_seq3; 192 430 1064 LEN=1378; translated
MXNTLASIQILVANEVYEDGDVKXTWDLFLERMNILLSCHRSSHVQSAFLHDKDCHTA
KLMSKYAEERMDLTLATCDTFERTI IHPLLSSTERLSLDRQASMNRSVGIPALERGVGAI
DAQMTHHINVIMSDAKMDKLDSDIHDELQRSVKPEIRIENNKSNKIEAGIVQRFESVVGTI
NKSYRSEWASRYVFLYFRALPFDFSSPLLLTI
>comp7142_c0_seq4; 244 430 1244 LEN=1291; translated
MXNTLASIQILVANEVYEDGDVKXTWDLFLERMNILLSCHRSSHVQSAFLHDKDCHTA
KLMSKYAEERMDLTLATCDTFERTI IHPLLSSTERLSLDRQASMNRSVGIPALERGVGAI
DAQMTHHINVIMSDAKMDKLDSDIHDELQRSVKPEIRIENNKSNKIEAGIVQRFESVVGTI
NKSYRSEWASSRAEIEVLQRKTETGVPNRKERVEVTLAKISELRARVREERAKRIAADQA
IYEDIVRKTSAMKRAMIAMASDGDSTSSASS
>comp7144_c0_seq1; 517 192 1592 LEN=1920; translated
MQLRRNSEPHTRNRDRKGVPLAPIYENEHTRDLDEMRFVPLRNFMSSETILMQARQWNSSI
SNDAASEDSYHFNGNSADADSGVDDRNDNTSKKAELPLRIIVDNAKSYIQPKRWQRCAS
AHSVMLADNRWEDSDSSSNHGPLTSSSSLSLSSSLASSMQPRSDSSSVSPISKTPKSKCL
KKSSKFSSNPASSSSSLSPRFSSLIIPASTSESSTNFSINNSNRVPHSPPPPKAEKRWGN
GLSSSSLSNRFKTNLCKSSAKKSGDFEIPLNDDGERSDDSECSVQSF CSTDEKRTTTEI
ITQAEAVVGSTNYTRYNYPETNYPPSLDPNFSVSKSIDRKEGAPVRPERVPSADTF CNEG
REVRAKQRKAKNPLGRNFQWDTPTTAGVPVNTSANRCSSTTISARRNLLRGTGLSPGIR
RVMKTSFDDRNSRKQPMADVVKTN'THTMQSMRSPGNSASASSTRR
>comp7145_c0_seq1; 523 178 1665 LEN=2130; translated
MDIEWVIYHLTHNDDDEFTSLVDLDIDLCRSDDQDQWDRLLIGLSRNRTVTSVELLRGYQG
SVVNEDDLRRLFEALRLIPRLSKVKLDCFTTFDLEHSELLFRNNSTIEELWVENCHFHRD
NTGSSSDEDNDIDNDHDGKDDDEGYNQYERFLGHLASMHRLRQLRIEMPMQLSRDAPLAH
LLRCSSELRSVVLETSTARTVQMIRNATRRQNFADTMVALRSNETLETDFDMDFGISFSEF
KEVAAMLKHNNTLKLCLRLDPSTAIINSIGEDSGAYLSDFHNDFNDSVQSLFEALKTNT
NSSLRKFRQYNMEDRNLEFTLSKEGDNNSNRKKIVQNLIIEIGLDMLECNLSLEFFSFFLF
DLDFYRGGGSLREKKQLFLRLNQGRKSVLHPSIRERVSQVVFIEQLAKHSIDDLGLFY
YISMNPSICKPPTEDAVCSAITSVISRQNGCDPKITGDWASSISLESGLVEDQQVVPQTK
RCRFRDRISQDQVTKP
>comp7146_c0_seq1; 292 165 1145 LEN=1464; translated
MDKENSFRHQPTTASRPWNAHHQKHTHSFDKPSPLSGISDGFSPDDEMAQRARQGKKWAL
NDFEIGKPLGRGKFGSVYLAREKQSKYIVAIVKLYKSQLKAGVEHQLRREIEIQSHLRH
SNILRMYGYFYDSKRIYLILEYSPGGELYKRLVQKVHFSERSSARYISDLATALDFCHTK
HVIHRDIKPENLLLGAHGEIKIADFGWSVHAPTSRRNTLCGTLDYLPPEMVEGREHDKFV
DVWSLGVLLFEFLYGGPPFEAEHGSATYRRISRVDLRFPAKPEVSEDAKDLIRKFLVKDP
HLRIPLKDVPKHPWVVRMLRETKTSY
>comp7147_c0_seq1; 230 1 583 LEN=885; translated
XTRSAPTIPCFRFDFTDTRTVRTLPIITAESTPQERQQHAMTRYSCGLVCALAMVTPDVAS
CFAPQPASLSRPTAMVAGTTLFAEGESESEGQFNWLEEWAMQKDAVALMKVQERTQVRM
LAQMTEDRIYEITKLLDAMVDEATGEISESDLPKAKELAVQTRNLQKEYKDLVTGEPSTL
LDTFQNLKLGEEDE
>comp7149_c0_seq1; 554 1 1976 LEN=2169; translated
XECAALTLFQRFDTPTDI IHAIQLLTATKASRRNPATSPSPATAQRNTTPRKQDLVDVPNE
LVDVATAARRGVAVGWCGFDRGGVRAAACTGVCLRSKSTRARSPRTNGETHLV GALNGIA
RRKRIAGGGEAPSRAPKQQPRKGLGPETVTKPIAVGSPA EATTVLAMEPEIQHSSDVNEF
VSPSELFFAGDTPIPVTSRLHIVTPKEDTPRGTWPIFRIMDEDGSRDGGNDGYMHDGDA
DNLVLGTSSPANKANGSNVMEPSASKNHAPGLSKLRDSLKLYPNHSLAIEQNGLFQPSK
FEYADTNSRDTLQRLLRHMVRLREMDSIFQNAQRQGRISFYLT CRGEEGIHFGTASALEP
QDIILGQYREQGPLMWRGFTVQQFADQCFGNASDLGKGRQMPIHYGSRALNYQTISSCLG
TQIPQAVGVALRLKMMMAAADSEAKKAVSLAFFGDGCTSTDFHSGLNFAATLECPVIFFC
RNNGYAISTSTREQFAGDGI VSRAPGYGMAGIRVDGNDVFAVHA AVREARTYALENNAPV
LIEAMSRYRQGHSTSDDSLQYRS AEVDHFACQSDPFDRLRKFFERHEHCGVTDDAIQSV
IEEEKRAVL DALRTAERKPKPLEDLFNDVYHEMPPSLKAQQAKLNEHVSKYPPDAYAF
>comp7149_c0_seq2; 428 1 2095 LEN=2288; translated
XECAALTLFQRFDTPTDI IHAIQLLTATKASRRNPATSPSPATAQRNTTPRKQDLVDVPNE
LVDVATAARRGVAVGWCGFDRGGVRAAACTGVCLRSKSTRARSPRTNGETHLV GALNGIA

RRKRIAGGGEAPSRAKPQQPRKGLGPETVTKPIAVGSPAETTVLAMEPEIQHSSDVNEF
VSPSELEFFAGDTPIPVTSRLHIVTPKEDTPRGTWPIFRIMDEDGSFRDGGNDGYMHDGDA
DNLVLGTSSPANKANGSNVMEPSASKNHAPGLSKLRDSLKLYPNHSLAIEQNGLFQPSK
FEYADTNSRDTLQRLLRHMVRLREMDSIFQNAQRQGRISFYLTTCRGEEGIHFGTASALEP
QDILGQYREQGPLMWRGFTVQQFADQCFGNASDLGKGRQMPIHYGSRALNYQTISSCLG
TQIPQAVGVALRLKMMAAADSEAKKAVSLAFFGDGCTSTTDFHSGLNFAATLECPVIFFC
RNNGYAISTSTREQFAGDGIVSRAPGYGMAGIRVDGNDVFAVHAAVREARTYALENNAPV
LIEAMSYRQXPSQVSEWDIENHKAAYVSKTLFVFEILSTNNRFCYLQTIIDNKARVMIPSS
IEAAEEVDHFACQSDPFDRLRKKFFERHEHCGVTDDAIQSVIEEEKRAVLDALRTAERKPK
PPLEDLFNDVYHEMPPSLKAQQAKLNEHVSKYPDAYAF

>comp7150_c0_seq1; 622 124 1311 LEN=1518; translated
MISRTSFAAVLLAATTASAFVAPTHNNNNHHHRIASASTKTSLSATDRLEQGDPVLLVGP
GFQQVLVLAHMARAGLKPIVVASQTKLDSFFKSFLKTGDAEDHVGDEDPEGLHKQIRDDS
TIGMPEAGDPYFAGELKGVVFCAEAEVLPKEFVERVIDFEDSGMSPFADGKPARTICLLPV
SNKQTKKANNWIPIFNMDSKKDDMWSNFKAFAVAHPSYKEADGNASIVRFGSLLGGSTD
GPPVLRDYGLDEGMYKMTLEQYRDMRERAFDRYKLSAQVLKGNTINARPADQDTKEKDAL
AKYPGNVREMFPIILGDYPEIDRTNRHTLASGLVQALMQPVSAIGKEITILSKASSEIPTE
EEWLEMFANPAAASWDPDFAFEFPEKYGMFANDDLN

>comp7151_c0_seq1; 1024 156 2798 LEN=2824; translated
MGRKWRRNKKNKHSGEKPRDSNKNPDWGKERDPYSIVEAGNFRMEAFYAYQGIHGFRMS
TDPDGNAGDFVECSASGEKEAERQRWLKALKSSLPISFRIGNNVDPDLRKHLLILELEEF
VGKKMKIEVEPKGGKRRQIREQQYREQEEQKNEGESEDMRPELEKEVWRWISAAERISYI
PHAYQVSIKQTLRRNSALKPFHDWIKIQTEAGFITRQEAVSMIPPIVLDPKPNHVLDLDM
AAAPGSKTSQLEIVNLPDKDCHEPKGCVVANDSDVKRAYMLTHQTRRINSPAVFITNC
DARFFPLLNNDDIKNNESPEGIFDRVLADVPCTGDGTARKNPGIWKSWALNGYALHPL
QLAIALRGAQATKVGGLCYSTCSMNPIENEAVVAELLRASEGSLELVERKSELENLSR
PGMTTWTNLAEARSAREIKNKKKNNPKMIARRKAWEEKNGEKKPESTSTGAGENNEKEI
EKVETVSTEELEPKIISNKTVPKPDMSDDKEELKLLVESAGMVEYLSHDDVPALMRKRIR
SSCFPPTPEEISKFNLHYCMRILPQDMNTGGFFVALLKKVAPLNARVRKKFEKLEKDIET
NNTNSGISTGDEKGGKDDGDSEPKTKKVKVDDPAKDEGAKEDDMIVETDEKFSENATKTI
ERGAGGEKDKQRKEEKNIKDDFLPVPDNI FNPLKEFYGLDDESFEE SNFMVRSGGDGKI
LYFVSKTIRSLIDRGIQDKLNVINSGLKGFTRNNKECVVDYRVAQEGVHFVAPHMKKRK
FAANLKFEMCLSGPTVQIKEFDEFASKIRELSMGSFVVTLLEGYENDYIKKLIIVLWKT
RGDAVNYLVTQTEIDGIRCKLRAISKIQELEKEAPSVAEP

>comp7152_c0_seq2; 166 86 307 LEN=798; translated
MPETKFDIGMTCDGCANAVKRIILMKMDGVTDIVTDVEAKSAVVTHTDESVPPLMLEKLLK
WSSASGKSVALAA

>comp7153_c0_seq1; 287 1 1120 LEN=1230; translated
XGMNELIASSTQSSANNAIKPAKISNLLLLSDKLSVPTHSIPEEVTASPLFIEKQKNQI
FEHTKMSDRKYTLGYIAYGAI AIAISSFCLDGGVSAFSLPSTTTTRLSNTSPSLQLSVDDSKV
VEGLDSRRELLGRAAGAFASASLGALCMPSSGFAAPNPPKSLSEEYRQGTAAALADMDEMA
PVPREAYKKLPSGTIIADLRPGKSEDGXGKDREPRQSAMGEFARNQSAVSWYFFVKHKFH
TGRGSLFEFLTTSLSFNSLNTIRRTKVLKRSNGYFVDSQVAYDGVPIFTVGDGTAI
AGVDEGVQGMASGGVRRLLIPPSLAYVDGLEDGKPGMPVGFGRQQMRRVQNVNRKDVPG
EYIYLEVQVTRVR

>comp7153_c0_seq2; 294 1 1105 LEN=1323; translated
XGMNELIASSTQSSANNAIKPAKISNLLLLSDKLSVPTHSIPEEVTASPLFIEKQKNQI
FEHTKMSDRKYTLGYIAYGAI AIAISSFCLDGGVSAFSLPSTTTTRLSNTSPSLQLSVDDSKV
VEGLDSRRELLGRAAGAFASASLGALCMPSSGFAAPNPPKSLSEEYRQGTAAALADMDEMA
PVPREAYKKLPSGTIIADLRPGKSEDGXGKDREPRQSAMGEFARNQSAVSWYFFVKHKFH
TGRGSLFEFLTTSLSFNSLNTIRRTKVLKRSNGYFVDSQVAYDGVPIFTVGDGTAI
AGVDEGVQGMASGGVRRLLIPPSLAYVDGLEDGKPGMPVGFGRQQMRRVQNVNRKDVPG
EYIYLEVS

>comp7153_c0_seq3; 325 1 959 LEN=1177; translated
XGMNELIASSTQSSANNAIKPAKISNLLLLSDKLSVPTHSIPEEVTASPLFIEKQKNQI
FEHTKMSDRKYTLGYIAYGAI AIAISSFCLDGGVSAFSLPSTTTTRLSNTSPSLQLSVDDSKV
VEGLDSRRELLGRAAGAFASASLGALCMPSSGFAAPNPPKSLSEEYRQGTAAALADMDEMA
PVPREAYKKLPSGTIIADLRPGKSEDGVVKTGSRVNLQWVLRKSNGYFVDSQVAYDGVPI
FTVGDGTAIAGVDEGVQGMASGGVRRLLIPPSLAYVDGLEDGKPGMPVGFGRQQMR
RVQNVNRKDVPG EYIYLEVS

>comp7153_c0_seq4; 318 1 974 LEN=1084; translated
XGMNELIASSTQSSANNAIKPAKISNLLLLLSDKLSVPTHSIPEEVTASPLFIEKQKNQI
FEHTKMSDRKYTLGYIAYGAIAISSFCLDGGVSAFSLPSTTTRLSNTSPSLQLSVDDSKV
VEGLDSRRELLGRAAGAFASASLGALCMPSSGFAAPNPPKSLSEEYRQGTAAALADMDEMA
PVPREAYKKLPSGTIIADLRPGKSEGDVVKTGSRVNLQWVLRKSNQYFVDSQVAYDGVF
FIFTVGDGTAIAGVDEGVQGMASGGVRRLLIIPPSLAYVDGLEDKPGMPVGFGRPQQMR
RVQNVKDVPGEYIYLEVQVTRVR

>comp7156_c0_seq1; 198 177 1797 LEN=2306; translated
MAPKTSETLLTPAEEATIDSCANHHLTRNPVSATSVADDFDRDLTLEESKTPEACKNVA
PRGPFADHYTNLASASGGARVLFATDDWFATAENLLEDGPPRFDPEAFCEQGVLDGWET
RRRQAGHDWCLIQLPKRSEISALELDTAHTGNNVPRISLEICDLPAEELSGMVAKLPG
AYERLLHGGVVRTGRLPGEVAAASEAVERSAGWRELLPETPLSPGFEPTRMHYVRLETPA
TGNLVRVNYYPDGGVARLRCWGTS LGDVKPATTPLYMPVQTCDACTVVAHSSVSDPSELP
SRQPTHEHRESSLDQGGIGGACSNKHYPWRLLIQPTLGRDMGDGWETARHPSRPGILRR
QRGSTLLDTPSLDWAVVRLGGSGSRTGVAKIIVDTKHFRGNYPESVRIEGCHSLPCGETE
APEAAGGYDPSEKSGEWFSLVPRSRTPDAEHVFERSRGQLENADRVPVTHVRVSIFFPDG
GSPASGSTAERSSPWSGRAGRTRQTPASGGLSQRQSEPRVPVRLRNKQQQQQCLEQFTI

>comp7157_c0_seq1; 407 106 1391 LEN=1391; translated
MRLKKLTSWSGTRGSKVRRQVEKEKSSKGSRPSSPNSPNNLGLDSSPIRSLKHSPG
FGTSPNKGEKGPATSETDRGVLRKHEDDRPCLLFEDVEDEDEDMGYAKNIVAKEIEAN
NSAVKDKKLNSTENIPTKKISNTNPNQKSLSLCTPKKTSLPPQEIIMIDHLAVPPSPMREP
NVDIMASPSMNKRLDDQGLYLNFNDSSPRTPLGDPVGDIAHRQLKDAERLVRIVLGR
PSKGDQNFLEPNTILQAIRSYALMKAELIELRAKQETEDGPPAILQALGSPTATTPSKS
IPSLYSPRRSVQNSHFFSDDVNGGRSRKHGKSSVVDKASPAASHEASIPSSSCAELTH
AKEMIERLQKELKANETILELKKKINTEENEENQYPIKSPNTIEIQNENADEKQLMKKQ
NHDFREEPX

>comp7157_c0_seq2; 387 1 760 LEN=913; translated
XKTTNKVENEENQCPITSPDTIESQENADEKQSMKKQQGDIHEEPKQPENINLLLNDTI
HCPEFVPAENMVAISGEKQQEMEQTNTTDEEITSSTTTVEGENRREAKQSVMIKEKIIIST
TTPAKGEEEMQISQEEELNLQLETNQKKQIQTPILDEENLLGTTMAQAGEETQTSRGESDQ
KVRKVENGLNRYDENDKKKSQAATIDKEHILESTTTSNKNNTSILMEVSHNTANSKSN
LASSSSLSNTPQS

>comp7158_c0_seq1; 188 57 335 LEN=1479; translated
MTPTRSAACLVLVLLAGTTTNAFSPVAKTTPVASATSTTSLRFGFLKELGLEKPSWLPDF
GGKKGEEVPAPAAVEAEDADAPADEAADTPEE

>comp7160_c0_seq1; 696 448 2835 LEN=3313; translated
MAALKLVPPNATGSAATTNANHQHHTFLPDPPSNFSDNSLSTELLRLSFEDRVAMEEEI
HGVRC SAPTETPELLECSLREFDALLMARKLNHGSGGNPFGIDGSGKNGTNGIHAADGNG
TTPVYIRRNLNRVRSITCSSDCGNEQSWYSQLPHSENQPTLHQQTNSNSPTTTYCYL
NDPEVRLRFLRVDLFVASKAVERLIHFIELTCELIGEVVAHRPIGLQDFTNRREEVALQN
SRSQYLPFRDRAGR RVFMGVGSCGMHLDPVLLHKIFAFMHWTVSGDVETQQKGVVVVWP
TEEGFAINENTNKNEPPDSEGWERSIRPKLDKMKRMFQKMKVGFPLRITSRLGKYKDT
PFFRALSALYYIGFDSQNRMYKAHFGEDTELRYALASYGIPEHLLPLSNSGTVK TANHS
RWINALKAKQNRQRLEKQQQKQKQONITMNQHGTTNNIHNYFYAEQQMQPMMASL
SSSENSYNNTTNGFTIGNTNDNNAESELDEEIVDCPGSRDVI FRKGPTYKNNPGNMVF
RSLIEATHEEHKATRKEKCRITWEIVSKIEEQGRFLDWSKSKEMWVVAKDREKIRTKV
AACYKQFHR SILAFQEQRLKLSQRQQKQAKHHKNATNLTSEPQSPQSSSLPLPQQVQHN
YVDGCDHPGGPEFAQERNGDALQQAVAITGMSPKPHVLHLYGSHSAKDGYSASIFSKKV
GRPQRGVS RFAVVAAGAIIRVIVRPPTPRNTRQERALMKALPILGKKKTRSHNRKKAID
VLERMKELMVMYEPA

>comp7160_c0_seq2; 569 448 3166 LEN=3644; translated
MAALKLVPPNATGSAATTNANHQHHTFLPDPPSNFSDNSLSTELLRLSFEDRVAMEEEI
HGVRC SAPTETPELLECSLREFDALLMARKLNHGSGGNPFGIDGSGKNGTNGIHAADGNG
TTPVYIRRNLNRVRSITCSSDCGNEQSWYSQLPHSENQPTLHQQTNSNSPTTTYCYL
NDPEVRLRFLRVDLFVASKAVERLIHFIELTCELIGEVVAHRPIGLQDFTNRREEVALQN
SRSQYLPFRDRAGR RVFMGVGSCGMHLDPVLLHKIFAFMHWTVSGDVETQQKGVVVVWP
TEEGFAINENTNKNEPPDSEGWERSIRPKLDKMKRMFQKMKVGFPLRITSRLGKYKDT
PFFRALSALYYIGFDSQNRMYKAHFGXVMVWDTILEIARSTRCCRIGLVLIHGNVIY
ALLYLAGVAQGLIRVAKKLFCCCLGKTMVDCFIILSCQNTHQKYSVGVVFFHFFIILLTAIA
FAVAEILYKCIIVSKGEDTELRYALASYGIPEHLLPLSNSGTVK TANHSRWINALKAKQ

NREQRLEKKKQEQQLQKQQQNI TMNQHGTTNNIHNYFYAEQQMQPMMASLSSSENSYNNTTNGFTIGNTNDNNAESELDEEEIVDCPGSRDVI FRKGPTYKNNPGNMVFRSLIEATHEE HSKATRKEKCRITWEIVSKIEEQGGRFLDWSKSKEMWVAKDREKIRTKVAACYKQFHRS ILAQEQRLKLSQRQKQQAHHKNATNLTSQPSPQSSLPQPQVQHNYVDGCDHPGG PEFAQERNGDALQQAIVITGMSPKPHVLHLYGSHSAKDGYSASIFSKKVGPRQGRVSRF AVVAAAGAIRVIVRPPTPRNTRQERALMKALPILGKKKTRSHNRKKAIDVLERMKELMV MYEPA

>comp7162_c0_seq1; 541 100 1470 LEN=1470; translated
MTTTIPRYELLHHGAAANSSPKAIACLNTGGDILQGRDEECGAGSEVGTTELIYASHLM LNVAKPMKLFVGNKADSGDETNVKNHEKIWNVEQTLRTSTSLTAEVETAAANVSTRTA KRVITCVVQLKWLHQDSAKNRNRDDVLVCGFSDGSLTSWYRPGSKDWEEYVLLSHSEG SKHKHFSSDENSNDKDDVTEMKGRSITDIDGYVIYGNHDEEKQTLNLSIVTCSGGAQYF QFSLLLSINGRNDGASTGRQRKEPQYAAIKDTKNVIGTPSNTVKFHTIVSSEGEKSTRHT IDGKQNIRGIFLVGTAAPRHNKIHVLVLPPTVQENDIPAAPKYSGSLTGHEDWITCFDWN TNFELTFVHKANDGESGAIPTVDCCYLASGSQDAKIRLWKWVTTTCKVEDEIAFSDRQIG DSQASIKEQGISSIDESGDGRNVDVADDDDDDEEEE

>comp7163_c0_seq1; 353 52 720 LEN=808; translated
MNTCNLKMKVPIAVAVFAVSCSSVMGFAPVHHSNQICAISADPQAPTATCLYAGGFGGGG MGKKSNGSNKKKNSKEIKLKPKQQWDRYSEFKREPQIQVAVRIKEGGSDEWLEVGRVKS KDNKFIEAAVFRQRAIIAEHAKRLYPVQLSSKKSLEWGYKSSEEAETTEWKAVDKSSMN EVVELDGFVIGFEGRPDPSSGFYCVYDGGRLKIGEETSFV

>comp7164_c0_seq1; 473 113 1315 LEN=1431; translated
MATNATTRPSKIEKDTSSSDRCISRFFRPRKPSRDEENDLKLQRENDVILGSDDDTDD ETDDPSCDKNDSVDVANEKRGPEKPGARCELNTNIEILDDDDPVDACDVISQKEKVESN RLATAKEEDES LGHSDRNFNNGSNLDVDTDGDITTKRPRIASPQKPSVAVGSVKENPFAR FAYSASDASEDNVKTTLNGLDSLSSWQRHSFASKSKLRKSNIANQSNDIKNVSSSRIRVS LKQKQKDFVKIKDISPEEQSKIVRKWQSMADSSAPLEVRRYQVLLAARLHARCQEVTVRK AMKTLRDYFSSLAEPKMTVSVMANIDPGLLASHISNLQFYNAKAKQIVKAAQELLERHR GIVPEDECSLLKITGIGKTFADLLAFVNTREAHKKFGECK

>comp7165_c0_seq1; 689 585 2515 LEN=2836; translated
MTDQQLWDRYIWEQYVGEVEAFEDLDRNTNERVACFIPGVGCTVNSMLELGNHSAQGSQF DEVVDRTPGAGAFTPYHSTPTIINAPEGFNDGVEPGQELFATYGDEWIPWIPGAAVTF S KNFKKADKLMEEFEDWIVEHEENPATKDDVTDELLEDMMWKVMIDFPNVGPRQWEELSVLP REWDRGRLEKELKHVKEQQKRNQETTSSPLPLPNPPSTSTRYWADKGVSLFLREEGKCQ DHIRPDISEIPHAGRGAFASRDLPKGTIVGYAPLIHVGTHGKDLFEIVYNGESKHGMERF EYRDIEDEDEVDGDLEEMAESASNRQNRQYTKQDLVLNYSFGHKNSTLLLTYPYAMVNY IN HSAKDGDPNVRVQWPTRFVAHKPEWLSDELNFFRDSVDKIGLSFDYVALRDIKEGEE ITMDYGDEWVGIXLFLRSLRARIESVLFVLMLEFFASLAVGLRTRCCFLAISHSSRCLSI ARKDQAWKDHVASWTPPENAEYVHSSKFETDYLRTPELLEEPYPWNLHTLCTEYYTKK PGDLENSYSSTFVSDRAEQLLPCRVLDRISLEDDDEEEDYLYTVEIQTSSENSVVVVDYPR SDNGIQLYDKAYS PMWHMKEAFRHKIAVPDDVFPENWMTKQD

>comp7165_c0_seq2; 823 60 2159 LEN=2480; translated
MMLSSAARSRLVLTAAAALFLANAADAAQGGACAPAGPSSADGTCLNVNTNLGDADDVDC GVYMAPSTIGDHSNLGIFTAKAMKNGEKVPYPEIIVPLLWRIFGEHPAKSMTDQQLWDRY IWEQYVGEVEAFEDLDRNTNERVACFIPGVGCTVNSMLELGNHSAQGSQFDEVVDRTPG AGAFTPYHSTPTIINAPEGFNDGVEPGQELFATYGDEWIPWIPGAAVTF SKNFKKADKLM EEFEDWIVEHEENPATKDDVTDELLEDMMWKVMIDFPNVGPRQWEELSVLPREWDRGRLE LKHVKEQQKRNQETTSSPLPLPNPPSTSTRYWADKGVSLFLREEGKCQDHIRPDISEI PHAGRGAFASRDLPKGTIVGYAPLIHVGTHGKDLFEIVYNGESKHGMERFEYRDIEDEDE VDGDLLEEMAESASNRQNRQYTKQDLVLNYSFGHKNSTLLLTYPYAMVNYINHSAKDGDP NVRVQWPTRFVAHKPEWLSDELNFFRDSVDKIGLSFDYVALRDIKEGEEITMDYGDEWD QAWKDHVASWTPPENAEYVHSSKFETDYLRTPELLEEPYPWNLHTLCTEYYTKKPGDL ENSYSSTFVSDRAEQLLPCRVLDRISLEDDDEEEDYLYTVEIQTSSENSVVVVDYPRSDN GIQLYDKAYS PMWHMKEAFRHKIAVPDDVFPENWMTKQD

>comp7165_c0_seq3; 302 1 731 LEN=881; translated
XSRNRSSQIFFDEVKETNTTMMMLSSAARSRLVLTAAAALFLANAADAAQGGACAPAGPSS ADGTCLNVNTNLGDADDVDCGVYMAPSTIGDHSNLGIFTAKAMKNGEKVPYPEIIVPLLW RIFGEHPAKSMTDQQLWDRYIWEQYVGEVEAFEDLDRNTNERVACFIPGVGCTVNSMLEL GNHSAQGSQFDEVVDRTPGAGAFTPYHSTPTIINAPEGFNDGVEPGQELFATYGDEWIP WSK

>comp7165_c0_seq4; 712 585 2354 LEN=2675; translated
MTDGQLWDRYIWEQYVGEVEAFEDLDRNTNERVACFIPGVGCTVNSMLELGNHSAQGSQF
DEVVDRTSPGAGAFPTYHSTPTIINAPEGFNDGVEPGQELFATYGDEWIPWIPGAAVTFS
KNFKKADKLMEEFEDWIVEHEENPATKDDVTDELLEDMMWKVMIDFPNVGPRQWEELSVLP
REWDRGRLEKELKHVKEQQKRNQETTSSPLPLPNPPSTSTRYWADKGVLSLEFLREEGKCQ
DHIRPDISEIPHAGRGAFASRDLPKGTIVGYAPLIHVGTHTGKDLFEIVYNGESKHGMERF
EYRDIEDEDEVDGDLEEMAESASNRQNRKYTKQDLVLNYSFGHKNSTLLLTPYGAMVNYIN
HKSADKGDGPNVRVQWPTREFVAHKPEWLSEDLNFFRDSVDKIGLSFDYVALRDIKEGEE
ITMDYGDDEWDQAWKDHVASWTPPENAEYVHSSKFETDYLRTPELLEEPYPWNLHTLCT
EYYTKKPGDLENSYSSTFVSDRAEQLLPCRVLDRISLEDDDEEEDYLYTVEIQTSSENSV
VVHDYPRSDNGIQLYDKAYS PMWHMKEAFRHKIAVPDDVFPENWMTKQD

>comp7165_c0_seq5; 173 585 926 LEN=1076; translated
MTDGQLWDRYIWEQYVGEVEAFEDLDRNTNERVACFIPGVGCTVNSMLELGNHSAQGSQF
DEVVDRTSPGAGAFPTYHSTPTIINAPEGFNDGVEPGQELFATYGDEWIPWSK

>comp7165_c0_seq6; 800 60 2320 LEN=2641; translated
MMLSSAARSRLVLTAAAALFLANAADAAQGGACPAGPSSADGTCLNVNTNLGDADDVDC
GVYMAPSTIGDHSNLGIFTAKAMKNGEKVPYPEIIVPLLWRIFGEHPAKSMTDQQLWDRY
IWEQYVGEVEAFEDLDRNTNERVACFIPGVGCTVNSMLELGNHSAQGSQFDEVVDRTSPG
AGAFPTYHSTPTIINAPEGFNDGVEPGQELFATYGDEWIPWIPGAAVTFSKNFKKADKLM
EEFEDWIVEHEENPATKDDVTDELLEDMMWKVMIDFPNVGPRQWEELSVLPREWDRGRLE
LKHVKEQQKRNQETTSSPLPLPNPPSTSTRYWADKGVLSLEFLREEGKCQDHIRPDISEI
PHAGRGAFASRDLPKGTIVGYAPLIHVGTHTGKDLFEIVYNGESKHGMERFEYRDIEDEDE
VDGDLEEMAESASNRQNRKYTKQDLVLNYSFGHKNSTLLLTPYGAMVNYINHKSADKGDG
PNVRVQWPTREFVAHKPEWLSEDLNFFRDSVDKIGLSFDYVALRDIKEGEEITMDYGDDEW
GIXLFLRSLRARIESVFLVMLLFFASLAVGLRTRCCFLAISHSSRCLSIARKDQAWKDH
VASWTPPENAEYVHSSKFETDYLRTPELLEEPYPWNLHTLCTEYTKKPGDLENSYS
TFVSDRAEQLLPCRVLDRISLEDDDEEEDYLYTVEIQTSSENSV VVHDYPRSDNGIQLYD
KAYS PMWHMKEAFRHKIAVPDDVFPENWMTKQD

>comp7167_c0_seq1; 304 536 1885 LEN=2033; translated
MHIFSVGFLLTAVACAFMGMYHNANLWCWIAAAPACPYDQEPHQIDNWQHYEEKADKCE
ESKYDDDVDVYRLAFYFGPLWLCMVFITVTMGLICAVSRIGCSKKSIA SCLNRHKNSRQ
KANTDSRKHENDSVEEQSEGDEQSNSSISGAGDAFKRQKANSNSRNHENNSDEEQNGGDE
QSNISISGARDAFKSDRRSSFFIPAKKKRKT PRNENTTHVLKVLESYLTASQQA KNSQS
YGSRVVYKQAIYYTLAFYATFTFATINRVFQHFGVSFFPFILLHSFTIPLQGFNLVIYR
YFHFVRLRQRNPYPFRILLQWTFRWTFLGPPPGARRDSSQKFQSFELPNNGKSTKSRSF
GPSGAFDSHNCEYSEGSDSVVDDDAELERMPRIEDEFENSFWFDYTPSAELAYEYHTTRA
LNPAQYPSTLNNVPTQYPTMVTDFDSD

>comp7168_c0_seq1; 317 1 1249 LEN=1408; translated
XGGQELGRYEQLNCITKVMYDMAQD SPESAGAVWSRRIGILRNAHDKRLRDSSFIRGDEE
MEDGGFWSAWPTTGVFLMRSLGHI FPVTD RRHHVVTPAILLLAQYTAQT PVLSTYDLTM
GILCSGLLMEYSKEAKRVPEALSFIASAIRLFS PDDAGNLTPALQTAYNQPFCESLRK
NISRYEDASLPSLKIENDFIMSEESPEIAVTLTLLSLCIGLAEKYVEALNGSFSVSAE TEML
YDITNAILSLQPKSY PITLQKKISKTAALIAKVCPAQRIP LRRRGKPTASEMAIKTLAPR
MEDPTRYMSRDKGKSAQA AIDRTRREYKREHKAI SRELRLDGQFIESERRKEKERKDG
KARAKRQKNFNWLEGEVAAMNEQVRQGGGLLKG GGTGLARAKAATAKMGIKKGGKF

>comp7169_c0_seq1; 353 1 987 LEN=1518; translated
RNLEAQLHHYANHNKSVIISDEAFSRMGIIVGDSVDNRIVLYRLLNKYYPGRV RVVVMYR
RYEWMQSMWNEGNKPHKNFYDPVSPYKEKFQKWPSEGKTC KTFLEYITRKHKKVARDK
LKWSEYQKLAEIDNIHVAEYLRRLWKNHSSNVMLNMHEMEHKN DGEDITLLLRENLSL
VAGDVLRMAKANASYVGRPNPSKNFDYDR LAVKAHERGLLVNQSATLRF EIAQIAEKYLL
QKLNKTKDSL PNFVCLNQPTHLESLLQKSLQYEREIY PDLSEEATKHHEEAFFKAFERKKFC
NFDTKLIEDNAVQNFFT KDIPQLDIR

>comp7170_c0_seq1; 285 60 863 LEN=925; translated
MVQSNNTDKTSRSPIVSLNRFERKKNIGLLIRAYAYVQVRDGGAGLPPLVIAGGYDARNA
ENVEYR GELGTLAKELKVDVDFRLDISDAERASL FQTALCVVYTPDREHFGIVPLEAMHA
GTPVLAVNSGGPVETVRDGITGYLREPTPSAFGTALLEWTRNPERATAMGRAGKKHVEEV
FGTERFRDEWGVLVRETAAAASRRKAGRPSTGLVLWAGVPGYAVELAVAYAAVLLATGI
LRWFGALGASQSI PGALRAAVVGREEL

>comp7171_c0_seq1; 877 1 2089 LEN=2283; translated
XVKSEKAKRNFNRYRTRTFTDHRVQSRDICNTQPHAFPF GSIATMLFPAVHQLGFQAGQA

VSNFISNTAKMMDTNNVNSGTILDVLTDSSELLVKTASAFRLRYVLTLPSTLYKTWWFNLVAK
DPLHVAIETIMLSIVYMMLSRSTEGYKDSKDKLTKREQEELLWEWKHKTRAPLAPPLK
EKGNNGNDDDDGKKSNKDNNSKNRQVHFDNDDDLQIVVQKQEGKWLTVTPDHWITDPK
QRKSTNATTGNKRGPKNVSSKNKTAKKSKADKSKTTTTPPQRSEVELRVLNFNCFDFLGFQ
TSEALRQASTEALNKYGCSCGPRGFYGTIDVHLQIEEEISRFCRTDQAILYSDGASACS
STVAFAFRGDLVVDDEGVYEPSTGVYLSRANVHWRHNDMEDLERVLKELQAIDKGLG
RKPQAQRFFIVVEGLYKNLGTIAPLDEIVALKHKYKYRLILDESFSFGTLGKTGRGTLLE
HDKRPMYDAEITIALENAMSGIGVTVGNEEVVDHQRLSGAGYCFSSASAPPFTSSASIA
SLRVLEERPELVERLQSNVRYTYQRLQLQKVDQHNTTNKTKCYNLVVTSDSRSPIVVLQLE
RESVYESAIMSGIMRECLQRGVIVASTTPLEETLGEAGGTAASSSCATELAPCIRMTVS
SLHTEEDANTAIDALIESAALVTSRYAASSPVSRTT

>comp7172_c0_seq1; 186 374 529 LEN=854; translated
MEDPTNGKIKAQNVGTGPMGGYVQGAPRRNDFRNDGYSSSSDGGYRNDGF

>comp7174_c0_seq1; 200 1 838 LEN=975; translated
XDDDEDSSSSSPFIRISKSTFRSGMQVIGQFNLFILARCPQNHLWIMDQHACDEKYNFE
QLCKKTVMHVQPLIRPLPLELNPSEEACVLDHMDVVFASNGFRFRFDETAPIRHRSLTSL
PHSGAHEGRKAVAFGPSDVLSALCAILTEGSSYEAGSGGTGTDGTGLYGNAVRRRHAGGSQ
SETPDRLLARLPKAIAMFASRACRTSIMIGTALSREKEMEAVVQKLSDTDSPWNCPHGRPT
MRHVANVLPFLEEDERRAETYASLPAISVVPAAEEAERES

>comp7175_c0_seq1; 200 1 821 LEN=1283; translated
XRKNKEVTAITYNSRDASRIKMDRNIVMGRNINLNLFFFVSVQISRVTGFVTTKASSVA
RKYAIHRLSSATLDSVSSDEKMEETREISNALTEPVDEAFTPYRGEQPKALSEIFVPQV
FSHSLDGVENIEEKLWVPQTDVSVFRPLCFVSGGYVNLRLVRGAGLLSRHRHPGPVH
GHVLKKGWSYLEHDWVAEAGSYVFEPPEIHTLVVPEGVDEMITLFHVTGSLLYCDPDGN
VVGAEVDFTKLELAKKHYEKVGGLGEDFVQQFVR

>comp7175_c0_seq2; 77 1 324 LEN=786; translated
XEGVDEMEEANDLQPNEMAGHDNTKKVLALSITMDCKHTALSSHNNKTRYFFSARKITLF
HVTGSLLYCDPDGNVVGAEVDFTKLELAKKHYEKVGGLGEDFVQQFVR

>comp7177_c0_seq1; 353 1 1921 LEN=2502; translated
XVATHSIFSLSHLFGIPLSEATATGMNRSWKNSDSGSNASTKSKETLVKGQNKISISVKHQ
RAVRDYNSSPMRQPYSPCNDTVDLSYISSDEDDSFLLHHRADKSSANSRVRLNRRRARFEE
KEEGYSLKIVSVFYVAVTLSSMHIGFFLRAPASPLPAPTHQIPSRASRKPMVPIGRD
RSPKQREVDFLEVGFVSDSFEIANKTKKEFISQDAFASWWLGKEKFLVETLETMSA
SPEGASFQVFMKVGAKQMRVTRDWMDSLIEHMSKWWKIILDPWEYTPNGGTRKRNDVEGY
LNRIIDIFRTYVFSEDRRMFWDITTDKYRTEWLEVSQSTIAVIAFLNTRDQNGADELMK
WSLAATLMSLRQLGVGRIVVSGSEERTETEEATVRAAFKIVAEATKDWDPSRKLVSMEF
CVTADARTGDKDTALNIPIAALKQLRHVFLKQTPASVTECWLGGSF EKRAKKWNYVFLGE
PDLLLTTTPSSTAALARELRRGNVLAHRLQPMPSADFAEVRPEAEDDGVMPLPRTLPG
FDRVEDADHIDTEWSSCCDAGNLKPKYDYESCIFFWQCGYKYERLHLQHEEGRPNPAEAH
KIINSYPLVRLTKGTGVVFSGSEIGRKCTPQLGPCTKDTL

>comp7178_c0_seq1; 302 334 1389 LEN=1653; translated
MAQSLTRIDDSRDILQLMIRQEESSYYKCPHYLSLEERSTQTLVFTPVPSVLQVVEEMASL
VTDIRAEPMSNCKGDDHCASPGSSTCDLYGDLRAPLRAFLPNSRSEQFQEVLSLSSWRHR
MLEWGNVAVCVTFGIDASVLESFAFNILDRIYAVEISHSNDAFENLSLTREDFQLFSMVSII
IYKMFVSRNQLRVHDLLEMAQGFYTADHITTTTERDILEALNWHVNPPTVMDYCDVYLT
FPQHLYGCGYNDAYSPASQWSSSKRVGEKQRRKCRRCQSMVGIVLQDLFFVDKPNFLTA
LAAVLLAADAFRGCARDNSFVLEHFLRNIQGVVNIQKEEFDSIIRRLECYC

>comp7180_c0_seq1; 398 1 1122 LEN=1122; minus strand; translated
XGNYQINKAPLPATTSTIPSIIQQQQQQQLLLALLLQQQSNSNNNTGAAMVDLNLALSMAL
SSPEGIRLLNSFAIGAGVSGTQQNPHVNROGQQPQHDTPSIAQTNRMAVHNIMPLATTM
IASSQQDALANNQPSLFLSPQSIQQPQLLLQAPPTLPSAQSPAFQLHENANATGGASA
GMFPATAAAAINQHLATRAAPPPLHPSSAVSTAATNPSCSSTSRNSGAMGSMMLTVNNVNS
QTGCGKNVDRNVRNLLKKRDKNSSTMKRVNTSNSSYPATKSRFPRIILYNEADDGILGEY
QTLRLRQQLELFEADGQDVINGTFRQGRTPPIKLGQIGLRCRHCSTPVSIRSKGSVYFSQ
TIKMYQIAQNMSKX

>comp7181_c0_seq2; 58 1 902 LEN=1091; translated
HTQGADPKRPHERAKPATEAPARXATGAKTPPPDQEPFAGPLSVQALPVAGLPGPWLRG
QPRAARPPPTPPREESPPGAVSQGRSRGSIARPIAARKGGRNAAAPGPVQEPLLPGAR
DPPPGAAGPDLPPP GPGRGEGAGGSAGARCFSRNRCRGRKDHLRLGGSRPKGVVLEA
LPGRDGADPAEPERQGRIRPGAERERHRRAGQPRGELPEFCVRGPPGGDGGGAAGTAEA

HRRAEKGRSEDGARPREKKAAGKEKMALVAEQSTPP IHSTPLNTAIPPTERNGHFSDA
>comp7182_c0_seq1; 424 108 1175 LEN=1693; translated
MASTSTIRLGPTDDNPSAHLQKAITAFFENKNADHSSNGD TD SGFVIRNKYFSADISLK
GIGMETNGAQDETAASTIEDGVILVFD AVQSNPDCCRDQPNAGAIATFDSLHATHQRAIS
DHTCGDLLRLCVGVSLSELSPELGRGDHEKEYSRRILWCLDNGYEYIEADLSEEGQQKG
RDDRDKDGFARVVEAIEGTVWSSAAMSASKSSTLTKTTYADGKSAVDKSAPPAATKSCKGE
ETIETKPEGSGYEPVAPPVAAAKSDNAASVFLKEEMPALDPEDQVTEKLFVEMESVLK
EASEIRQASKSGVLTDDERRERAGNAALALVNLMGQFGLDEEDDDSYGSDGSMVE
>comp7184_c0_seq1; 229 346 999 LEN=1112; translated
MKLHVGEDTEVRYALGEYGIPVDLIPVTGTGNIKTNHHPWIKIRVMVDMSAHDDDKNGA
NGSLGRIVECPGSTDVIFKPGKRLMCHPGNVLFEELVVSRIQGSDF TASKRETHR WLANE
ITKKRGG RFLKWNDEGYWEKMEDEDEISVKISTACKTVLKKVKQKSGSRIVVESSTFAF
QENNLGRNVGDN GTDQGRSRKRPF GDCFCGDTLPDSK
>comp7184_c0_seq2; 154 1 768 LEN=843; translated
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>comp7184_c0_seq3; 345 1 1680 LEN=1793; translated
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GIPVDLIPVTGTGNIKTNHHPWIKIRVMVDMSAHDDDKNGANGSLGRIVECPGSTDVIF
KPGKRLMCHPGNVLFEELVVSRIQGSDF TASKRETHR WLANEITKKRGG RFLKWNDEGYW
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>comp7185_c0_seq2; 571 345 1697 LEN=2097; translated
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HSAIQRKSMEHIEIYCLPIVMDHEH WLSASAEDQTFVLI FNTAVCNHLWGMALQQQLKEHSQ
NQR IHL SQQTERVFLVAFKLYRLALNNA STQQHASPASP DASANGNNNSIDYRLSVLALL
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>comp7186_c0_seq1; 382 87 1043 LEN=1256; translated
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>comp7187_c0_seq1; 333 41 619 LEN=851; translated
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KANPGANPVALRAVFDsFSNSIGGSNAVSPITAQrNIETyLDNkKVTGALAKKLNGGKSL
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PIP

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>comp7189_c0_seq2; 739 591 2813 LEN=2860; translated
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>comp7190_c0_seq1; 192 1 845 LEN=1491; translated
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>comp7191_c0_seq1; 590 430 2318 LEN=2618; translated
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>comp7192_c0_seq1; 179 1 1608 LEN=1693; translated
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RRSYHICIEKLEEMVLPFVPAVAGQFVYVDFSSLLPQKTTEWEQKLSALLIDHARLVLT
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>comp7192_c0_seq2; 260 1 1453 LEN=1538; translated
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ARLRRSYHICIEKLEEMVLPFVPAVAGQFVYVDFSSLLPQKTTEWEQKLSALLIDHARLV
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DXYLDESRARLRRSYHICIEKLEEMVLPFVPAVAGQFVYVDFSSLLPQKTTEWEQKLSAL
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>comp7194_c0_seq1; 553 73 2067 LEN=2254; translated
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SFLQPF FGA VCGCSTFTPLNDEEAQTDTKKTNIETNQKMCENPAHAFOKPYNTLQIPG
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>comp7196_c0_seq1; 267 125 458 LEN=458; translated
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>comp7204_c0_seq1; 449 169 1365 LEN=1628; translated
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>comp7205_c0_seq1; 621 76 2079 LEN=2079; translated
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>comp7210_c0_seq2; 542 151 1584 LEN=1824; translated
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>comp7211_c0_seq1; 290 74 775 LEN=1288; translated
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>comp7211_c0_seq2; 286 74 957 LEN=1470; translated

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>comp7212_c0_seq1; 562 57 1166 LEN=1636; translated
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>comp7212_c0_seq2; 442 423 1244 LEN=1714; translated
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>comp7212_c0_seq3; 442 523 1344 LEN=1814; translated
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>comp7213_c0_seq2; 501 240 1887 LEN=2261; translated
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>comp7215_c0_seq1; 674 1 1870 LEN=1870; translated
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>comp7220_c0_seq1; 411 104 1078 LEN=1104; translated
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>comp7224_c0_seq1; 441 192 1166 LEN=1343; translated
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>comp7228_c0_seq2; 352 173 1207 LEN=1789; translated
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QRYFYRAGDLPEASIEHDADAAAGNSSESANADPNSEGERKEGGRHEFEVIVCHANVIRYF
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>comp7228_c0_seq3; 299 538 1969 LEN=2008; minus strand; translated
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VRDPDDLHAAPELGAAGNLDHFPETPACVVGLFTSQRGEETLLVFLLLLVLAVDPKDD
VAGHPLLPQLALSAAVLALLPVEAGSRPSQSSSHIGYSTCRWDAMQQNAMQHSKEQDRID
QHHTRILNEPQIRQLKQEGYIYSSKIDLSTLIASSNISFAQYGIHCHKNAPLVAIAAVS
EIVCETPPVADGFIPAFGLEEAFRNSDASGFDDSIAGLASQLAAPGLEKKEGDAASVAAA
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>comp7228_c0_seq4; 290 343 1723 LEN=1762; minus strand; translated
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GRGPPPTGDVVGRSSLVEVGVGFRPRDLRKRVCDDVGGFLRPGHVDRDPDDLHAAPELGA
NALDHFPETPACVVGLFTSQRGEETLLVFLLLLVLAVDPKDDVAGHPLLPQLALSAAVL
ALLPVEAGSRPSQSSSHIGYSTCRWDAMQQNAMQHSKEQDRIDQHHTRILNEPQIRQLK
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>comp7229_c0_seq1; 285 176 835 LEN=932; translated
MTMVGEAFLPPNPKNSARTQHKSVLQQLQSENNEETSRRDFVSTTFGFGVSAATGLVMVSG
QPALAAAASQEEMDKAKVIKGYQRLQYLLDNWEKETTVCMMGGDKLEVSCDRTPIKVMDY
LGFKSTTDPLYKGEKTLRRLYDIAPANRDESEFIEAVEIFSENAEEASSMAFVSSWGEANP
GGKDRVELFIERAKKNVIATRNSLKTVIDILDLDASKK
>comp7229_c0_seq2; 285 179 838 LEN=935; translated
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>comp7234_c0_seq1; 735 325 1977 LEN=2425; translated
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NGDDGNNYDDDAQQQQQYTYQLDSTQSHIYDFGACTVPQLLLGRDERLVEKYSDNYTDD
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SSNNNNNNNN

>comp7235_c0_seq1; 448 195 1220 LEN=1395; translated
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SLHPEDQIQKSLREITSLLLKERTGGRQHYFPRPYQEKQVVFVLANFVFLFSLIAISA
EIQARAPGWHAAVEQQLMNVQDCSKDKESLFCVENGDMAGLVASVILWMSRSAATKRIF
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>comp7235_c0_seq2; 978 112 3172 LEN=3172; translated
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VDADLDGGVAVDTSAAACLEPEGTTPIPKGKHSRRFDDSMMLDVVLADSGDEKDVAAAGEQ
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GLVASVILWMSRSAATKRIFLFGFSSPNKLWTAVYESLVTSICWGFSYMFIIRGMNPDNN
RDFLRRYWKDAVYGSLAGFNAAFMKQXPEEPDSAGGHRGRPPGAAAENSLVAAELQAAGR
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G

>comp7237_c0_seq1; 535 210 1417 LEN=1768; translated
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GQLGELFGAAISSIFKSGNQKESTKSSNENIYRGDSIGRGIPOSELTSQDPFLSADELPI
HIKPKKYTPVDKHRWAHEIDHIEPGCVLIANEKLGGVFCQTVVLVVDHHEKTGTTGVVIN
RPLDGNLLKIASEQTNLDLSLKLAFSSPVTYGGPVLT EEFVAVLHGFGHVEXFKKLAPG
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>comp7239_c0_seq3; 118 1 814 LEN=906; translated
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FGPLGASVEVIGLGHGDDVPLLPVDAPEAYGYGLIMQREISFFRSARNNDVVRGEILPA
YVQKVAEDGKLDISLRSYGGKAKSADAGTKILERLKEVGGRL EIGEKSSPQEINDEFPG
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>comp7240_c0_seq1; 959 123 2045 LEN=2377; translated
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GLNGSGKSTLLKIMAGVDTEYDGLARPLPGASIGYLAQEPVLEFPPTVQENIDEAMKSSQA
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DALVENLSGGEKRRTALCRLLENDHMLLLDEPTNHLDAESI QWLETYLDKFKGTVCIT
HDRYFLNNCAGWILELDRGKGYPHGNYETFLDMKNKRL EEEKKAETAATAAKAVANELEWI
RTNPKAKGNKSKARLNRYDELLLAAPTELNRAGQIYIPPGPRLGNEVIEVTNLKKSFGD
RLIIDLSFSLPPAGIVGVVGPNGAGKSTLIKMLTGLEE PDSGTIKVGD TVKMVSVGQER
MDELDSKTVFDEISEGLDEIELGTSSIMSRAYLSWFGFKGQSQQSKVGNLSGGERNRAQ
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>comp7241_c0_seq1; 1011 635 3853 LEN=4074; translated
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DVQKTDRHFYLILEYCGGGDVQHLIRSRQKGRLSERFTRRLMRDLASGLRFLWGQELIHR
DIKPQNLLLTGRIPPEELVDNPLENAATSCSESIHDDPNQGFSLKIADFGFARHLQTAS
LAETLCGSPLYMAPEILQHHRDYDAKADLWSVGTVLFEMIAGRPPFNGENHIDLRLNIQRK
AVRLPHDVRVSKACVNLLRILLNRNPLSRAGFKEFFEACDAFVALGCGGVATGDYEGGVN
TNSSITKGGSNKTIIGGGIVGGINRIATKDLGTIHENDHSGTNPTSSDSLMTVETTAERN
QQEVAPTNTVNTSVVSTNATRMTMHPHQKHQQPLPPSKISPNIGYQATSNFIPNSISMGN
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PQPQRHRQQTQHSTAGYAAAGAANGNSVSQSQVSSNDDSGFVMVEHTKSPTSSQHFYAT
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QHQQNLNHTTRMTKVVDIAAANKMLATAEDVGRRAVSVVAHLGDSRAYLGMRLVFKTNEEG
SSLLSTALMEGVVEEPIISCTGSTNSTDKMYDVSTDNSSSTEIMAPARRRSSTCTSTERTI
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SEALACYLKSLKMLKGAVGAAQRVTKDLKIDIAQLAQMNLSNPNNKIGSDVPKLGQRCEI
TSNWLCSQFSGVLERADAANAIEISKLVGSGSSDVGENAGHQQTGSTTSVEELIYNHALAS
GRDGAVKHLGQYDGARSCYRSAGLLAETLLMEVNIGADDRKILEGYVDGFAARIGELDQ
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>comp7241_c0_seq2; 873 109 2554 LEN=2775; translated
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IVGGINRIATKDLGTIHENDHSGTNPTSSDSLMTVETTAERNQQEVAPTNTVNTSVVST
NATRMTMHPHQKHQQPLPPSKISPNIGYQATSNFIPNSISMGNNSANPQLSGRPQTFYQQP
NNRNRLAPLQSSPPSSTGILYLNSRIPAPLPSPTTQNAEEQHPQPQRHRQQTQHSTAGY
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CTGSTNSTDKMYDVSTDNSSSTEIMAPARRRSSTCTSTERTISADVSEEEEEEMPFAISP
DAPSVSLPSRSNPSVYNRGTSSVSMKKSSTTKVSPQTI RNRFSEALACYLKSLKMLKGAV
GAAQRVTKDLKIDIAQLAQMNLSNPNNKIGSDVPKLGQRCEITSNWLCSQFSGVLERADA
ANAIEISKLVGSGSSDVGENAGHQQTGSTTSVEELIYNHALASGRDGAVKHLGQYDGAR
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>comp7242_c0_seq1; 710 230 2001 LEN=2316; translated
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VLREVEILSGIPSNDHIVRYAAWVEKTDENDLLSHNQEDSCYSDSCRDYQQSTTDYDE
SSVSYSYSSGYRSTEKDNDEETRYNRTRRSGPVCHLCKLSYDDWEVGFYEWGLIDSVLQP
LDLCVDCYKQSLPNNIDTSKMNIRKVRPYRRRLYLMEYCDSTLEKTMKILQQGRMGNRK
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ANEGLAEGTVKIGDLGLATIDATRTPVSNNGSHQDFESESEEEGEEKNTETDPNNKASTG
VKQSSGVGTFLYRAPEIDTGRYNEKCDVYSLGILLVEIFSNFETAMERAKVLGDLKRTA
TPKKTVPAAAGGDGEGGLAFHVQLAHRMTALDPNDRPTCAEILDELNDLSVFRSTKGSNPS
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>comp7243_c0_seq1; 322 95 721 LEN=787; translated
MTFKNQIALLFASFACCDVDWVLANENLPDASSRRSFFFEESGRFLLLSAVTVAVPFP
ASAKYGEGETSMEIPSYIDYLIEKNTAGDYSNALYKADPATVLKRLAESERRLGEIGDLA
ERKKWSEINGLITGLTLSSSMSQVVSIASTSGTSKKTQVEQAVKVKADVFAIGQEA
NRKNAEGCSRQAQLASTDLKGLLELAFE

>comp7246_c0_seq1; 661 473 2161 LEN=2315; translated
MDPHIGQPLMRGYEYVGRQLQYISENPTLCPGNDNDGNGNDQTFDIVTPMDGLPVALVAQA
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GSRYYEGSSMESLLQSLTGNEDYDGDSEFYLD FSAMDLDQPHGRVLTHTLDMSEQSSWG
HDGAINLAVMYVTFVAVGDELFRAVENESARDRRRGTRILMNSKESDVSARTVIVWMLIS
FVCACICCCLLACIQTSFEEEEEDQEAPRRPVRRLTLEEVRRARFPSFHFNP EHNQNNN
PSHACTNDETEGSTAEDVQPKCGYMLSDLECTICLDEFVPGVRVRELPCGHVVFHSTCIA
RWLIERSAVCPLCKLDLYVEPEEDEDSDGNNNGDSDDPGGESPPGEGFASFFSSWWGSR
TINSEGDISLENPVDGAPAAANTGEETTTAPSQDQPLGAFVEGDTDSGATSEEGESRSWW
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DDGNMVTTELTEPLVPRGSLEEV

>comp7246_c0_seq2; 608 1036 2529 LEN=2683; translated
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NLAVMYVTFVAVGDELFRAVENESARRRRGGTRILMNSKESDVSARTVIVWMLISFVCA
CICCCLLACIQTSFEEEEEDQEAPRRPVRRRLTLEEVRRARFPSFHFNPPEHNQNNNPSHAC
TNDETEGSTAEDVQPKCGGYMQLSDECTICLDEFVPGVVRVRELPCGHVVFHSTCIARWLI
E
RSAVCPLCKLDLYVEPEEDEDSDGNNNGSDDDPGGESPPGEGFASFFSSWWWGSRTINSE
GDISLENPVDGAPAAANTGEETTTAPSQDQPLGAFVEGDTDSGATSEEGESRSWWPFVSE
TAPHTEEEERLGNRRRRRPRSPGLPSAAGVLRWTMGVFGRRRQHEQQQLPSQESTDDGNM
VTTELTEPLVPRGSLEEV

>comp7246_c0_seq3; 544 473 2372 LEN=2526; translated
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GSRYYGGSSMESLLQSLTGNEDYDGDSEFYLD FSAMDLDQPHGRVLTHLTDMSQSSWG
HDGAINLAVMYVTFVAVGDELFRAVENESAXGSPSPGRVSEAXHKQASNAFSKVYLPKMLRT
TIEIDRLRSRHHFCVIAESI IRNRVCCFEGTNLWFLFVAVSIGXVKENPYELKGI RCQ
CTNRNCLDANFFQCLCVHLLLFARVHPNELRGGGGPGGTTKTRAAPIALEEVRARFPSFH
FNPEEHNQNNNPSHACTNDETEGSTAEDVQPKCGGYMQLSDECTICLDEFVPGVVRVREL
PCGHVVFHSTCIARWLIERSAVCPLCKLDLYVEPEEDEDSDGNNNGSDDDPGGESPPGEGFA
SFFSSWWWGSRTINSEGDISLENPVDGAPAAANTGEETTTAPSQDQPLGAFVEGDTDSGA
TSEEGESRSWWPFVSE TAPHTEEEERLGNRRRRRPRSPGLPSAAGVLRWTMGVFGRRRQ
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>comp7246_c0_seq4; 385 1712 2740 LEN=2894; translated
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PGVVRVRELPCGHVVFHSTCIARWLIERSAVCPLCKLDLYVEPEEDEDSDGNNNGSDDDPGG
ESPPGEGFASFFSSWWWGSRTINSEGDISLENPVDGAPAAANTGEETTTAPSQDQPLGAF
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>comp7247_c0_seq1; 324 495 1526 LEN=2478; translated
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FHALHPKPLQIPLRWSALFVVVNAGAAALLFVDQWIGALLTDEERALYEEHFRDGLTPGQ
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>comp7247_c0_seq2; 278 495 1737 LEN=2689; translated
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LVGGYAGLVSFHALHPKPLQIPLRWSALFVVVNAGAAALLFVDQWIGALLTDEERALYEE
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EGGFVNDVAFQQMQGEEEGSDEPNRDAGAYGTVVTHGDCKVLVWDQEEELREYLRERPEM
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>comp7248_c0_seq1; 112 1 341 LEN=464; translated
XLVTPCVYLISEAVEASIRNKESIMSAAVAKLMNPAFYKQQWASTCSRAYAKYHPTIREN
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>comp7251_c0_seq1; 925 140 2659 LEN=3342; translated
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HSVRTTYAETKSSFEQSLMTAKQERVKISTVIDKLYTAIEPLKTDV LITIKADPDL SKEI
ISDPSKLFRCALNYLVIA CKRTKKGQITLTLFSKEKPGTDKKSILFVKCEDTAPAIDVDV
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CEAYDKEIGSVTGSVFWFCVPCMELEDDPNAESEEDDNKQSSVSEDDVIAVEKSVKDDL R
SEDDSKVTRKRRALVIEDSAI IRTMLCKILAKLGFVSEAEENGMQGLEK LKSTLYDLTLI
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AKVLSDLIKCDQQVETSRRLELERREALIKNADKPSEDTEKTKKKHEIDGRAC TLLMIS
PRSEEEHTKQIQEVVKS CGWQTTTASTEREALVWLKMRTWDLVLDVETLGP AIGDFREWE
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>comp7253_c0_seq1; 371 275 1776 LEN=1776; translated
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VVCCNAILACLLEVEVWDIQLPVEALEQWDTIYALVLKTSLAFLLVFRNLRCAMR FWEARG
YWGNMNHQTRNLVGTLLMYGTHSPNNRDAAIQWGSALCISAKNFIRSERHYEP NELAGFL
TRHQTKRLSEANHGPLYAASMC RHYIEKIFRVDADTPPGLAHAYTVRMQECESYVAGMIE
SVSGMEKIRSTPLPIAYVAHLRIFLIAYTFILPYVWVNEWSWATIPLTAVTAFALLGIEG
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>comp7254_c0_seq1; 636 78 2045 LEN=2315; translated
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FSFYTASRLRRSVMNPAPPEEIIQLLKLALAIKHHNALASDENRRSLRILVLGGSV TAGI
GCYWPDLN LGVPPAKHWSIPGENCVWSYFLERLLNQVIFEGKDIVKIDNIASGGISSEFGA
LALEYQLFPDPDRVPDVVIYAFSANDAQEPNPKAVFYEYLQNFVAAAHLNPNCDNHAPLV
ILLDDFYADVPPSVALQQTGNIYMLSHWNNLMAVDYSSTVGSKVIVEDLAWAPLLSSNVQ
MHSGVGMHMGIAWTILYNLLDSMVNVCNDVGLQTI RPDRI TENKANASKNILPREHDDHN
ALTIDPRISSNLEKGEPPMQHF GKVREMVKDASYVRLQLEENVNRTKEVCSELSAKGKEK
SPLRCSWSWFFNKSTNFVHSAQVRNKMNEVLLFNNGWAAEGRPVAQPRSGWYSHSPNSEF
AMK IENIAADLNFVVMLTMTKSYSSKWWGSKLAVSTMVVKNSTTPDAVTNQASPVDW DND
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>comp7255_c0_seq1; 333 1 831 LEN=1285; translated
RSSRLNLSEQSTKEPIADDRRLRLTLPLPTTTTTTTTTTPAIRKMTRQFGSQQTGGKRRSAP
RKPPSLALAAATVLVLSAPLGLPGAESFCAPNPPSAVPRRTEPVLFLADGDVSRRTALASL
SLLTGTA VLAAGPPPASAA YSSEDVGEIRAVLIEARKQLETVPALLADEKFDGVRTLLTE
APLRDCWSKTTPILKKYAEALGDTGGDELAAL EGREELLQHLRFLDMAVYNNVFNPIATE
GKTGASKALIDSYYNDPTREYETSKRALDELLILSK
>comp7256_c0_seq1; 206 167 688 LEN=956; translated
MDEIVDGVKSPGECYLIFEASSGGRMLLLYSKDRIPKNAVGFWCAGPGRS IQGFKFKQGG
GRVELIKGIAGGDQNRKRYFSGWCQFIKLAKAFDGYVIKFPNSEQGV EVDVIGFKTEEEK
AYKLDLDAGLIEVAPFDAISVVPKHNTTYHGIHNIPQQIFLESGNKAGAATTI
>comp7258_c0_seq1; 502 1291 2268 LEN=2909; translated
MLRRSTGNKVKRLQE QANLAQSALTSLKIAEDRALSEIRGTRRDEIMEEPESKEEDYPI P
NYCPSSPEDIKARPPHLTIPEEDEHAGSMTGRSLGGNSTTKSELEIEK FYRELELEMFGE
EELPSMVGQMLEVPLKDVDTTNLMTDPADRLEYCSVNSAMSDKDLDDALLEQE QNRSMIS
EYLLEDADNDSPKLDHSTQHDNGDRDGN SNYLSQLTQPIHSDQIQPGNYSLWNKSSPLTF
PALDGPPIDTHGSVVDNQTSQHRQHETIPLHAGMTMFEDCALLGGRSNHESLYFKKKRRS
SRNKDMNAGPKVHFIPPPHLSPSDW
>comp7258_c0_seq2; 548 639 2117 LEN=2758; translated
MASIEQHSVSSRSWDRESRRSEAGQSTQTGEISLADSRSLLEK KKKVNFVSVVTIRDYER
VVDNPSCTIGPPVIGWHYFETRVIDIESFEAGRSYRKVSSHILITREEREALLLNWGA
SFHDIVEAVRNLKIKNQRRQTVTNL GKVERIEEAFESATRKLKSALMLRRSTGNKVKRL
QE QANLAQSALTSLKIAEDRALSEIRGTRRDEIMEEPESKEEDYPIPNYCPSSPEDIKAR
PPHLTIPEEDEHAGSMTGRSLGGNSTTKSELEIEK FYRELELEMFGE EELPSMVGQMLEV
PLKDVDTTNLMTDPADRLEYCSVNSAMSDKDLDDALLEQE QNRSMISEYLLEDADNDSPK
LDHSTQHDNGDRDGN SNYLSQLTQPIHSDQIQPGNYSLWNKSSPLTFPALDGPPIDTHGS
VVDNQTSQHRQHETIPLHAGMTMFEDCALLGGRSNHESLYFKKKRRSSRNKDMNAGPKVH
FIPPPHLSPSDW
>comp7259_c0_seq1; 2013 225 4274 LEN=4414; translated
MAPKTI AHRHKVDPVSPIPVRRDDFPKSQQHQQLPPSRHQRSRSQPLT LSKPMLITSAG
RSASAQGRELDDLRI RYEETKQRMEKMRDKSENNKRLIEMSGLVKSLQDIPV GIDKAEG
STFVNVQRKIEAIGFEMKEAKKRYDEL RNEESFQTDTIKEQESQIRSMEKQIQLLTERIQ
QEEQDQEQKMAEEKQKASTAELEQKIMLQDMEIMNLMGEIDMIKKHNRTHGQDRQNTI
GQDIKLL EANNAKYEEIKKMEKDLAKMREEQRAQKMEQETFLLKQSEESNGFVLKPTAT
TFAEISKLEDNLATLRLEQE KSSNVADAPKKEEATEKKPASSRIQKHQPWSMDLAWKDSM
LEGNKKKEAELEVVANNDITYGEPVSPESDQRDQELLGLPSFGQKQQVEVK SATKKTENS

AFVGISSLSVASCSSSESESESESESGSVIFLNKQRHKNPFVSKDNNTYDVKKDNDHSDT
SATVGGSSCGMSRDGDSASVSSSSLSKPTMPKRSVELMPTDDGSIEAIEVGHRLRKTESTES
CDGAYSDNESSVEYSSGESTTGNNTNGDSSNDSSVGEYTSGESTRTTETRSVLAQIPEEGE
LEESESEWDREHTSVLSKGPSTPKTNDEPKSKDDNVSDLLLTKQLKDAEDKYENLKKDYE
EKISMSSESQAKKLEDEYSKDISTTESIVKLEENQKLRKEQSNASKKTWKDSADKKRLKR
IKEENKMLLKNMEKQNDIMMKADQNFDDLKEHLATLEELEAKKKRYDQLVLDFTKLADR
NKDAKDYSRLQTLHNAVVMKLABMGEENENLEKQRDEAMDQIERKNAQIRGFDDGIIAEYN
KVEYDLKVLRETHEETVKELHDLTEKNKEMQSSYDNDFANAQQLESLEQDKANAIAEIEK
LMKANMDLSAMEVQQNESEVRVTMLEEELKKTQEELGVAKNKSSNRQRQLKDVIQYKAL
KEEHSCTCDKLARLETTVNLGNGSAIQEMKKLEDAVEQAKKEAQNNAVKAKEAREGDMRI
VLQHYEKLQIKFEKLLAKSESTKSETAVEEEEEKQDEQDVFVWPGEERDARKEKIEELEELL
KESNESLSWRDEEIAKKIEELKEARKQIEDLEIEKEQLQADVLNMQSQLAQREAKDAEDR
KKDEKDNLRVVAEHHRLQKTYSSLQRKFEEVKSSELVKVKNQAKIHEQEEKHAQKRVTNI
QTEYVNLQADYDVVVAQLERFKVEMATSVIDLKEKGTIIPDMTSKETEKNNPVIASPDIS
PKGSDVAIPLTASEENETTISDTAGKENKEVISLIDYKENEKAVPELTLEEKEKGIIDAA
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>comp7261_c0_seq1; 257 339 1151 LEN=1238; translated
MRAPSLELFILALVLGSSWNGKKSLSSEALSASDSQGGGRASGKSTAMEDKPRTISTVHLGY
QDKEIDIFVPGKWSRHSSANVGSERRSRNDHRGPSDFALSKLIAHSPGLVDERNVLELGS
GLGMVSAVACKYSRANHVAITDRDKSLLSLAYASCVLQQRSKASVSRCCMDWKKPSTWPQ
QDYDMLLGADILHDKRSISPLVNVVIQHLYCNGAKAGARKQAVIVDPVNQVNRSDFFSAAR
RAGLIVDQTEFPGPSDQVLLSISPSDFGAR

>comp7262_c0_seq1; 218 1 1231 LEN=1288; translated
XNELVEDCHFETYNNEGDNLVHLHDKAKESTKMVSPISYSGSCASQSTVMMIDSHLAVDQ
LKTILQIETKYRIPNASCQEASNEHRIYPYSEWRRRICQWSFKVIDHFKIDREVVSRAMS
TLDRYSYIKTSYSRNCFSNDTSKEIIDSRTFQLVAMTSLYLAIKLSDNDEGQYASCRKLT
LNSFVELSRGQFCSEIEISQMECSILDELQWEVFPPTPMTSMAYLMRMMPSHESLQYTGCK
SYNLVLVHLHELARYITELSVCHSNICTGYTSSQVAYASILLSMELLTPVALPLHIRDQF
NTAVALVSHRSGGTILSSQDDKILYLQELLRNSFWPEILVEDCEYGEIGHPIISMAKDFGF
IDIPHIVSPHHTIPTISSNNGTAMHCQSLSASLDKEPDLRSSPICVNRHF

>comp7263_c0_seq1; 542 468 2573 LEN=2668; translated
MGHRDGPWGWNRQEIASLLLLTHRQVIPAEASIEFLSGGNGSGTSTVSRTYDTSTDSRKA
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DKNYDEAYHDELTAIHLHNMRRHPIVSADHETKNWYDADDDCEFEQEAPATTQKRS
GGRTSSTRPVWEGDTSKRKLLHQMLKYSDGSEHLVCVCTKDHALQPPEESRGEVARALLY
MNLRYGTLTAAHTERSFRRDGTAFLGLTLTDCPPTSATGEDDQGEATKNYSMGYFSRLVQ
WHLEDPPSQHEIERNQKICEQYQGNRNPVDFYEEWALLDFNQIEREVCNSGDSEPDQE
GGKANFHYDDDDDFVVTQNSTDEDWNSDADEDEKYVCGLMPGDISFFMVQPATDSDE
SNDFEQDEEWQRESFGLVTLVSLKPLILYVAGVDNDNNAEVDGPMEGNHYTGDRGVLVK
EVPQKGI PAGSYFGYKQLYLGQWDPVLNDNEDHTFRFSVHQLYLYCIDRDHGIQNPST
MEEYKILAAMSTTGHSFGESELPYWDKFRKHSDIIVSEVFSNGIHYGTIVLPEDASDY
ELSGGYRYVGPPTYTKHKDYAKALIDEANWKPMNMLDLEKEVGGKVENEASTSIFDDSVRN
AIRDSGMQQLIEGTRIGMNEDSSSAYGERPSIFTRELSSIW

>comp7264_c0_seq1; 476 36 1925 LEN=1967; translated
MSSKQFSSSQFICLVIAISCLATACEGFLSPSHLMATRHAHDVVQSNEKLTPTSTVLFSS
VSRNRKRSPSTFKGKKKNSGKGNKKNKKKPGKWDRRRSKDQLERQDALAAQPRPILTRY
EDERDGEVNESRFLSSQGNILCKHFESCPGCVTDRRVGDVEIIRSAARFFSSTAIRKNRV
DVERSGEDWVIEEEDDGFYEVVVPSETTKWRTQAKLVATSKSGSQWANEGCKFGLYKRGT
HTVMEIPNCEVHHPSINRAVEVLTKATEKTGTTPAYSDDNGLRYVQLQVERTTGKISLTLV
WGTSELKWTQPALSRITKELLKSEPDLWHSMWCHCNDSPGNNIFSRNPRAWHRLSGHEFV
REPMPVGDGLWLYFSPLAFRQGNIDGFVDIANDVARAVPGGSKVCELYAGVGMLGLTSLV
YHHLNHQYKDEVTGYGEPLTWVRCSDENPANPRCFSSASVRSLEPREITEYQQAETKEPKT
LGDLMKAMEAGGDDFEDQVAQRTGPKATYMVASAAEALKAGQALGADILIVDPPRKGLED
EVLEELCKPFNAKQPCVESPTMLAVPDYLVNWTNDVQTLIYVSCGF DALARDTEKLLSSG
GGWKLESATGYVLFPGSNHVETLCIFRRQ

>comp7265_c0_seq1; 1262 223 4233 LEN=4281; translated
MILARITSSCLVLAPLLLLTASRVAAADAGSTVDDPHAESVKKIFAWVHEAPDGFVTPKQ
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EMRKGADSFYAPYAMYLNNEEPDNQLTHQYSPNAKMLHQVIGTHPDEVNRSMPFDRKDTM
EQRLMPEGIDASLDVNWFGICGADPSDKIATKAASMVIRADDYILIPAYDAYNHRNNDK

HNGKEYMNARTLTTMDKYHQTFALRDIKKGEQIFISYNMCEQCGRIDGEFGTAEMYREY
GFVEWFPQRWWYPGFGDYHEDDNPQETAQFDLYQEEVTGNLTVVWTHLSTDAQKLARFEV
FLQREIRRLNRLKNI EWSDMYNDWTEQWKESGITSYEWSNINLFVDANIVAMTVALEDL
RTNSGPVANDDDDDGDVKEPSREPLTISPEALKVLERNGSHYDLLEQPEKDDLAYRYTC
DNSADFEFIMGYVDTEVEIETDAGQFVNFCESEFYFNTDPEAVDVCMDVDDVVQICSSYRPQ
QHEYMIHAAAKYLPKVKRVAFVGGNSMLLHEILKYPEEDELVLVVGLELDQTI TRKSFKH
FHTDPHFDDPRVEWVFGDVAKSLMVLPESYWGSFDLVLVELSEKMLARNVSTSEGGEVD
LLSALSLLLNPKTGI IAKQELYVDKLSQVFDYAI ELEFESEPVICSQTLALGSNGIDFFHA
PVYDHGVAVNDQSI AAMDKAHRYDLMHDFRTLPEKSCGEEERTKKTESSEDEENEMPSFGV
LEVVTLEQVKKPFDSDQIVVDPGFHVVEHTTQNKEDPTMLTVTVLEEGYVTARVQRSEDE
DFSLGFDIHLWSQTHRIIEFRKALHDAYGGEVISSYKIVAGGMFGSRDETKRAGLPVPLK
ASDRCEENDGGAANEESSKNPLDDVLVNSIAVQEAVSLVGKGDVVAAVFCGGTSEPCTSYD
ALSGHKSVEAIPLYACSSSTAGGNDVTELYACERKII EELMSKLGFTSKLDMFVIDGNSS
HEMYQIVNSIFDTHNHREFLLNNHSIAVTWSPGASSKKDPWARELLDRYRQIHNDPVKL
GEFEIRLGAKKFELGVVSTNDPQMNYGFADLEKQIQDRLVAEQSGSGIVVELRKIHGGLY
NYMEQYAPKRFSSQKDYDNTLAKEHFSAQVPLGRQTI FQYELDPELKKQNFNDHDLGLSI
VYLEKVLVYGLAATPGLFDLKVTTFASVKKHQIPVGDGCVFLLFGDNFNLVSVWDGREHL
DINFFAFGILLSAPEVKNKINSMINEVSPLKAVAIDTQPRGIGRVVNFPELLETLSKSVL
YEYQYDDDENHSQGEL

>comp7266_c0_seq1; 286 413 1303 LEN=3245; minus strand; translated

MAISSAESNFILDGCQDDCRADGRSRRDFRLYSSVVGDFALSYG SARIFLATKENHVLVS
IKAEMAVPASSAPTEGAVEVHVDCVKGTNTQDDDESTISNLLVPHLVDKRNL CIAPGYF
AWKLNIDLFFVNSGGGSLIDACSQGIHAALQOTLLPRISVIPATQGGENKPTLQIDSDIK
AAGKILGVGNAPI IIVTVTVLKHKRTHLLIVDATTEEEICAFKVVHVLDRGEPLSSSCRK
RKPTICALHKAGGALPFEILQDVTSFVLEASGSSCAVESESLPHLLQDNFSIQQ

>comp7267_c0_seq1; 780 687 3599 LEN=4488; translated

MTSGTTRVSAALLHTTSNLLHQNYGEASQQRDRGGSKVQNANTTSLLSPPFFVNTYNPWSS
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LDEHRNRVQDADYGDILSFYQRLGDLVKDHNSNNYKQQRDLFFVMNGDFVDGTGLSENPP
RHLMPLLKHMPWDAINVGNHLYSDKTQVFLVQRDGYDSKMGGNRSTIYPVATPPIWNGR
YLSNTLLTETMEPMTGKRYTYLVGPNTNITLLAFGFLYDFHENGPAATTTLSVEKVIQQD
WFADVLSGGRNSSTGNDYGHEAWKPFDAVLVLAHMDCLDPLVATILEGIRALLPPDKNI
PVQFVTGHTHRRCHARLDDHSESEFEAGRFLDTIGFVSFDANTRTTQATNGSNMNRQSDSN
FRHRFLDANKQSLQLTLMRSSHL SHGGNQRLSFSSEGFGTPEGRALTRAIRD TQKDLGLD
VVLGCSPTYGIFDYETEPITRAPSSSDANPPRNDWFSESSLWGLYVANVLPRLRPL
ALSRQARDDSSGEEAAEAHPLFLAGTGLSRYTLFEGPVTVNDVIAISPFNNSIVEIVAKR
KGT TDSPEGELLPWYGRELSLLL RVNRLYATS AEYGM PAFVASILPQQDFVRENEGFSLP
AASAIDPDR IYRLYTTDYDSWRLISVLA IILKFGEGETEDGSVDNNTSFSNDAVDKMLASEP
LPPITLGRSYETQKACLALGKNDGENENHHNIDRCYYTAE LWKEFVRDAMP CDAVATSSS
GHNIRDPPLVSSNGGSSSSSEEDGHRIDLLRAQLLQPSFGYSLHAQRPRQEAAPHTGDP
QEA SVVDLAGDEKAAAALVGMASIAAIAL LFFFPPRGDNEPPTRGGAPPRARFRQRCNE
GRDHSRRRGNHRTPTAHATTNGNSDSDSDSNRNSV PDEEVQLIPLRRMDTGNLSEHSTQS
SNYSSSYGSI

>comp7268_c0_seq1; 798 256 2469 LEN=2550; translated

MLTFNRSSVDKLSAAVSNVSNAAVASMAQVSKASETIFSNLSLSNSNNTQLTYAAGAVV
GLYMGSIVVKKSFNMIDAICNRTYIYNICWEDPAVDHQLLKITPDDVIFRICESAGDIVLD
YAI EGPSKIVVCDMNQHLWLFELKIRMLRDPKLT YE EWG IWGSSDVSIALSVWKRMRH
TMSAGGRKWWDGRIERVFRQGFVTTGSTGFCSKFLIPFVMFFCGFDFKEWSEKGFSDYI
QANYHVIERSAWCMRRLFPSIIAPFAGVPPNIGPEFYTFEYETILKEIFMDPDFGTSN
YFYRFYLEHGKDKSCCPRTLQEVHFEALRENASC FEWHHSTVQETMERVKPHSF TKLVL
LDHMDWMPNSMVHDEWIALQRATVPGAKILWRS AFTHMGDKPF FNNLDIYDLSPQWYPKD
RVKMPYPTFLSHMPKDPFPFIDPEPSPCQRASLARKMSTTAKMILHPLTAGLAGTSAHGD
KMSSFYAAQARGYDAVRENMLVARPEMISALGP IRNGHTWLDIGGGTGRNLHYLRAQLDR
FRTIVVLDICPELLEIGRQSALESFSPGQCERIKWVCLDVNDPNAGEELAKITGETGRG
FDTITFSYSLSMIPEWEKALCSARSLMSNHGRVLVADFDTYTEAGTSAKDWAIRTWYKQD
GVRIDARSREVILNTVFAGDEYTN TCVRM QKLAGVRI PHYVACCRKRTDTLHDGHRPS
FPDFSKLENGVQEEKKE

>comp7270_c0_seq1; 412 195 935 LEN=1138; translated

MSRLAALATTVV LALFAPHVSEALSPVRPASAASRASFS SPTELRMGGRTNQORREDRKR
YQKNNKMLDFIDKEVTPPEELVGDLEEISADPGDDELASLVNCIVAAADGRKADNIVAIRV

SKVSTITSFVVICTGNSRPQNQAIASIVRDEVRDNFDM LPGATGVPEGSADSGWTILDYGSVMVHVMTPRSRLFYNVEGKWKDQGGEYMDISAAILPNAVPQEEEAEEKGGTMEGLSEEDPFFWS

>comp7271_c0_seq1; 358 158 1156 LEN=1255; translated
MAQTAPANQEVSNGPIFVDTQHEDLVHDAQLDYYGCKLATSSSDRTIKIYNVSEDSSELS
ATLQGHGEPVWQVSWAHPKFGVILASCSFDGSLVLIHREIRPRDWSLLHAARHLHESVNS
VAFPCHEYGLRVAAASSDGRVSILTHQPDNSWSTEYITDNPLGVNSVSWAPMGAYSDESS
TVDAAAPADSLRLVTTGGCDNRIRFWLEQPETGQWVEDPSCPVS KD LGHSDWVRDVAWAPP
ILPNVNVVASCSEDRTVLIWTQNGKNKEWKASKLHKFDGPVWRLSWSTQ TGHILAVSSGD
SDVSLWKKGIDGKWEQMESIEEQATSEDDVVQG

>comp7271_c0_seq2; 289 158 1347 LEN=1446; translated
MAQTAPANQEVSNGPIFVDTQHEDLVHDAQLDYYGCKLATSSSDRTIKIYNVSEDSSELS
ATLQGHGEPXLASLLGASEVWRYDMTGRQKWSILNLFVAACFVEIVVEKGLFAGQNPSF
LGMHNFLFYNTSSNSFSSGFVAMINSDSGFVQLDGSVLIHREIRPRDWSLLHAARHLHES
SVNSVAFPCHEYGLRVAAASSDGRVSILTHQPDNSWSTEYITDNPLGVNSVSWAPMGAYS
DESSTVDAAAPADSLRLVTTGGCDNRIRFWLEQPETGQWVEDPSCPVS KD LGHSDWVRDVA
WAPPILPNVNVVASCSEDRTVLIWTQNGKNKEWKASKLHKFDGPVWRLSWSTQ TGHILAV
SSGSDVSLWKKGIDGKWEQMESIEEQATSEDDVVQG

>comp7272_c0_seq1; 341 163 813 LEN=1065; translated
MMIKRSSIVAVLAVLSGAHAFSPEVSRRRQSFEALVGGVATIVLPGVLP LLLPANAVIDEET
PRVVTRMGGLLEPFQDGRS IKMMAPSGWNKFDGEV GAYDLKWQDLVSP TENIKISSTPV
KSTTT SINALGEVQTVGDSLAAKRNALV SATERQTDGVLFYKFEFAISD GTHQLLQLCV
CKGKLWSIDANSTEKRWSKADLYENVLGSFMPKLA

>comp7273_c0_seq1; 342 582 1403 LEN=1819; translated
MPSIESVPEEIRARTEFVAAIRTGIDALMGRCGFSRERAVATLLKELNRGMQQQQESLST
TIPGTTSRPTDDEIFDAMRKHKLGVDEATRAVTVSRAMRREMLSRRDITPAEAIDRLIAR
ISLDNILYESGEDDDSDDDNRGISALNMPKIDLVS SSSSSLS P S S P S T S S T T S K T T G H F
RKNARNKKFTSQSPRKQKTSHHHGTGNNILVGKKRGMDEMDHSGSKNDDEVETKAATGR
PLRGAKRLHRASANASSASSEASTGSSTRSVNK

>comp7273_c0_seq2; 309 244 834 LEN=1250; translated
MRKHKLGVDEATRAVTVSRAMRREMLSRRDITPAEAIDRLIARISLDNILYESGEDDDSD
DDNRGISALNMPKIDLVS S S S S S L S P S S P S T S S T T S K T T G H F R K N A R N K K F T S Q S P R K Q
K T S H H H G T G N N I L V G K K R G M D E M D H S G S K N D D E V E T K A A T G R P L R G A K R L H R A S A N A S S
ASSEASTGSSTRSVNK

>comp7274_c0_seq1; 464 1 933 LEN=1500; translated
FRKLNFLSRI IKPITTRALT VATRPTSLKMAEYSTADQVARFAAAQEEKNERFLNIDSV
YNGNEIMGKRILVTGGNRGLGYEIVKQAVADGATVIVMCRSSNDELEELVGKWNVYSGID
VTDTEAVKGGMKRIKSDGGALDYVINNAGYFYEPCEKITDSSLNFEELKQIDICALGPL
RVNAAAVESKALADDAKLVIITSQAGSAEWRKVQNKDEGGDYGHMSRAACNIAGVLQAE
ELRSMGYSVLMVHPGFNRTEMTAKYKHIWDIEGAVEPSVGAKRVLYEAMQSSLENTGTFV
NAEDGLQIPW

>comp7274_c0_seq2; 568 151 1140 LEN=1707; translated
MMFLRQSSIVFGFIAATS NVAAWVSQSPSVASANRAVVSSATRPTSLKMAEYSTADQVA
RFAAAQEEKNERFLNIDSVYNGNEIMGKRILVTGGNRGLGYEIVKQAVADGATVIVMCRS
SNDELEELVGKWNVYSGIDVTDTEAVKGGMKRIKSDGGALDYVINNAGYFYEPCEKITDS
SLNFEELKQIDICALGPLRVNAAAVESKALADDAKLVIITSQAGSAEWRKVQNKDEGGD
YGHMSRAACNIAGVLQAEELRSMGYSVLMVHPGFNRTEMTAKYKHIWDIEGAVEPSVGA
KRVLYEAMQSSLENTGTFVNAEDGLQIPW

>comp7275_c0_seq1; 255 59 652 LEN=692; translated
MKTVLASRCVEIPDGVDTV KARVVGVTGKLGSLTRDFKHIPMECRLVTKMEGEEGEEVE
KKYLQVDLWFATRKLACVRTVCSHVENMIVGVTRGFLYKMRVYSHFPINVSTNSGNVE
IRNFLGERRVRKVLLEPGEVYVRS EDVKDQIELSGIDITAVSLTAAKIQQATNVRNKDLR
KFLDGIYVSEKGPREE

>comp7279_c0_seq1; 733 198 2000 LEN=2823; translated
MKCFKSKSSLLFGLLAFLSIAVNASTAERS SPTAGHFRVVLDS PRGNEKKTRLMLKNKIQ
SSVADVDLRAMVERAKKEFKTISEKTRHIGEEAKEIVETFKDSLQHYSRKELGIYAALTV
ALTVTLKT VVFSKSSSKTLDL GKISYILASTSALTATEKLSSILEFHNKYGRSAKPELA
ITPSIVSSDGKTFIRTVKKT LKHTSYQPPSNNVPAQSRPAQVVIDTVSAFYDPDSEPTIAK
SLPASHNAVIDTMSPSMRRTLKARRIRVRGGATKSALLQRLEIGGYFATWYALNIVYNIV
NKKVLNVLPAPLTVGTIQFGV GALYCALVWMLKLRPRPTLTKTGRKSVSVGAYHMLGQL

ATMIALGAGPVSFTHIVKAVEPFFSAMVSGFYFNKWMPPQVYATLIPVVGGVGYACMKEL
NFSWLAFGAALSSNLFFALRAVVSKSALQSGSATGSNLSPPNMFGLVTMAAFLISIPVAL
FQEGSGFSLWTAALDQVESKAQLIRAI FVSGLFHLYLNNEVMYALGVSHPVTLAVGNTM
KRVF ILVASVLVFRNPVTVQAGIGSAVGVSGVLLYSLTKQYYESLESKAPASKSKGKGR
>comp7279_c0_seq2; 733 198 2000 LEN=2641; translated
MKCFKSKSSLLFGLLAFLSIAVNASTAERSSTAGHFRVVLDSPRGNEKKTRLMLKNKIQ
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ALTVTLKTVVFSKSSSKTLDLGKISYILASTSALTATEKLSILEFHNKYGRSAKPPELA
ITPSIVSSDGKTFIRTVKKTLKHTSYQPPSNNVPAQSRPAQVVIDTVSAFYPDSEPTIAK
SLPASHNAVIDTMSPSMRRTLKARRIRVRGGATKSALLQRLEIGGYFATWYALNIVYNIV
NKKVLNVLPAPLTVGTIQFGVGALYCALVWMLKLRPRPTLTKTGRKSVVSVGAYHMLGQL
ATMIALGAGPVSFTHIVKAVEPFFSAMVSGFYFNKWMPPQVYATLIPVVGGVGYACMKEL
NFSWLAFGAALSSNLFFALRAVVSKSALQSGSATGSNLSPPNMFGLVTMAAFLISIPVAL
FQEGSGFSLWTAALDQVESKAQLIRAI FVSGLFHLYLNNEVMYALGVSHPVTLAVGNTM
KRVF ILVASVLVFRNPVTVQAGIGSAVGVSGVLLYSLTKQYYESLESKAPASKSKGKGR
>comp7280_c0_seq1; 325 1122 2054 LEN=3440; translated
MARIRYYRSRSHLAKTGNQDSQEEVHWKHALGVVLTVVGTGIYVSSMSTADADADATGII
TGKTSPTIFSRHGESSASDIDFRSHLIGDFAAAAASAGYATYISCGRQARRVVPVYVHLP
GCVFVAMVLISVCAITMTATMNVSDVISLSASVVPDATILTNRSDNDFCSSLFGWTCRE
YLPRSIFLGVVCGAIAVGMINWSLNHVSAQAAAANSAPPIAASIIIGIVFFAEPLPNFTA
ILAASVIVIAMVLCSTDATTSKTKNKSDEDEDGDAADTLREQSAICDETTPSKGGKVIS
RARKSLPETC
>comp7281_c0_seq1; 561 1 1081 LEN=1081; translated
XVNSLNEERRKTPHGPTTAERNFGNEIYLLVRNVGMWRRMETKAKLIEKTEWSIYILES
LQEI DEGCNAVLFWSYASWRRRHTATPHGNSRSLERENERENDSHHQNHHRDGYVDDRN
RWGDDHHNHTDAKYDHYEGGDRCPETSRLFGDYQEAYRRNLEVTKLVRDGLGRSTNDERL
SRFLRDNYVHCKGCRATFAKRYDDLFGTRIHSPPQQKSSHNGTTATTTTTTKTTDPANQA
SNHGSRRTHHFFCTDCFDANFNSILKKIKRDEDVKARRDLELLIEHQEQEQGNKQQHTN
PGTAAGKSGKRRKKKKKKKAKKNNNNNNNTTNEIDNGNSNGHASPEATSKDADDQQQQQQ
Q
>comp7285_c0_seq1; 530 118 765 LEN=1287; translated
MSSIEIVTNAEREKIARPRPEENAEDAGTSEDSSPMAAAPSKRRRKLNDGSATKTEKPSS
GFLAAVSNFLSGSWFWPSSMPETKIADLSSTEEKEPATNENGEKADELSEADGEQIKNDK
EENADADRKSDESTKADDADSKDDNEKDKGDDNDEEEKTATPTAADIKDTSKKGNEGNN
TKCSKNLANKVEKKSSSLSPKETSPKKRSKKN
>comp7285_c0_seq2; 530 118 765 LEN=1151; translated
MSSIEIVTNAEREKIARPRPEENAEDAGTSEDSSPMAAAPSKRRRKLNDGSATKTEKPSS
GFLAAVSNFLSGSWFWPSSMPETKIADLSSTEEKEPATNENGEKADELSEADGEQIKNDK
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>comp7286_c0_seq1; 365 411 1550 LEN=2265; translated
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>comp7287_c0_seq1; 399 1 1518 LEN=2008; translated
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>comp7287_c0_seq2; 511 1 2438 LEN=2928; translated
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>comp7289_c0_seq1; 380 66 1315 LEN=1872; translated
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>comp7289_c0_seq2; 123 1 522 LEN=1079; translated
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>comp7290_c0_seq1; 519 53 2080 LEN=2258; translated
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DVAHNITRCDDENKKAMNCTDPVNTFWENGKDHGNACCVKMLLPHKDVNERNTTIEVM
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>comp7291_c1_seq1; 716 1 1852 LEN=2007; translated
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RNRKLG RKP AKNVPAAADSPRTTEDSNDRTKRIQWEQKRKPLPDHVL MNFPLEAPRFLGA
LRWWSWKRL EQGHLEKSTAHQ TWFPFRFHVYTFARSSEPKAGDEEEMAINVVANELLPYV
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>comp7292_c0_seq1; 590 151 1851 LEN=2294; translated
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WIPDR TTCAMSENQNKENVAKHTGAAHNADGEQELFSCNDAGDWE EIPVVRKTA FESPQA
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>comp7294_c0_seq1; 426 418 2142 LEN=2726; translated
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KRDCTFYHIRVDNATSSMSTESTSPVSSSTTSVASENSCQNQSRSLTIEEQQSNEKYRG
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>comp7294_c0_seq2; 507 418 1977 LEN=2561; translated
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MGEVDSVAMRDMEGDKRFDEPFVRS LDQDHHASSSWLSRSATWLR TSLNGRNFVSGGN SH
NDFDHHQKQFPNGTKLAFKNSIDVLQAPGVVALYPFEGNLHEFVAGPHGAAVLDVLLPP
YDDECKRDCTFYHIRVDNATSSMSTESTSPVSSSTTSVASENSCQNQSRSLTIEEQQSN
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>comp7295_c0_seq1; 123 470 975 LEN=2284; translated
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DLKVC DYRFKYIGCTFEVIQCVATYSCQCFGGKWHCGLLHYEGQDCEEDDPRDPRRTSGM
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>comp7296_c0_seq1; 451 358 1902 LEN=1925; translated
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ENATEPALGSQKYTGLCRPKTQEEIVDHELLASEPRANTGVDSAKITMGEILVAIPDGYT
GADVAVLAKQILSNPKIVKLLKRS DPLAPKRSRRSSRRGQPPRRSR SKEHVDVMEKFDEE
DEMKEQEEMKEQE QRMKAMEHAAQEAAAANAQIPTKSKTDIHRNIDQSSLRSSSMASTE
GSLEDEKSMESLQESIDESYSSWSKSF DASFSTSTVCSGVSKRSIRRRERQSRMKIIM
SVAGCFAVMLAMYFSDPHGYGRSDEEKLVSAATTENPMGLRGILQCVFLLVFLYQVESF
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>comp7297_c0_seq1; 875 199 2688 LEN=2845; translated
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VSVSSVYGEDETRDEDHEPRRRLP AWLREDKGRVQENIEKLSAMLSSSSFFTESEAMK
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ARSASRLGGS LFFFQNPSEPNIGESMKQVLAHVQASMTKVLEGDVFMASVEDFRVTAR
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CKTVWRPCEKDPFRFKDYVANPKENGYQSLHYTAETRWNDEDWRMELQIRTGEMHKVAEFG
VASHWNYKAQAKPGQRNKEAASSNQDGS DAKSATYGTVLVEESSNDSSSQHLFGKVTIAN
NDRSSDAYLRSLQEWHEKQNGSSPIRQTPLVLWDNEAESLERAERIRARTQRLAPYLEA
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>comp7297_c0_seq2; 875 942 3431 LEN=3588; translated
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VSVSSVYGEDETRDEDHEPRRRLP AWLREDKGRVQENIEKLSAMLSSSSFFTESEAMK
VTYAIREEAAQNDAHKMAGAAEFCLIMVETMEMGLDALVAAAFHFCECIDARERSVRWPRR
DCGHPNTNQSVDSL SHWEFRLPPIQIDSF GDHAAKIERDAARLKRLEVVASMVVHSTSH
NNKGGGSVAKKAADNLRSLYTTEAKDWRALAIRGAACLYRLRGILSERQATERELGRKVP
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VKESYSTWKKMLRDGFDHITQVPDALALRIVLDAKKAHPSESDAVTRARERALCYAQL
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VASHWNYKAQAKPGQRNKEAASNQDGSDAKSATYGTVLVEESSNDSSSQHLFGKVTIAN
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>comp7298_c0_seq1; 784 158 2464 LEN=2559; translated
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VSSIKRDFVHKMEPGGLFDITIGWVTIPKFEATKGWSGKSQELKDAFRQEFNLNTSKTVLR
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>comp7299_c0_seq1; 139 1456 1593 LEN=2003; minus strand; translated
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>comp7299_c0_seq3; 139 1334 1471 LEN=1881; minus strand; translated
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LIANLMTFNCDGPLKRRGNRKKFSLVQVPWGKHNPADARFHHQVPMPPVEDREAILPVVA
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>comp7301_c0_seq1; 408 83 1596 LEN=1837; translated
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FGTLLLEVFERQVDCTVDNTRLEGSAAATLLPILIVLNRYSVANRNIQILVKDFVFPRENE
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>comp7302_c0_seq1; 492 157 1591 LEN=1591; translated
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>comp7304_c0_seq1; 391 767 1975 LEN=3776; translated
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DAECHGDDPVLRWASNADLLEMDEAGDDDDSCRGRPFGRGHPVASGAVQGGQQQPSNCP
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>comp7305_c0_seq1; 376 235 2067 LEN=2511; translated
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KLVQRLAEKRIVQLSACAFHTGCLTADGEVFTWGEKGFRLGHGAERNCHVPRLVETLVG
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GWSHSVALTSKGIKFTWNGDGHGKLGHSGRKVCVPNEVEKLDYRVVRSVSYNEHTAAL
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>comp7306_c0_seq1; 392 177 1899 LEN=1899; translated
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>comp7308_c0_seq1; 209 1089 1406 LEN=2082; translated
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>comp7308_c0_seq2; 251 307 993 LEN=1669; translated
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>comp7310_c0_seq1; 532 35 2050 LEN=2479; translated
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>comp7310_c0_seq2; 451 35 2261 LEN=2690; translated
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FSEVHSMFMSACESRTRGDFAGXIDSPELVAPLWCCDLSPHRPIQIELFVYCRRIISPXL
FLSTFNRFNSADMHLIVLFLSAAIFALAEVRKAARDGRIDTDGLDIIISTPVLGGAIKTF
FLRNKEFFLGEKLDADYDFLRSVAQSTNMDSSSEESGEYCLSKAEDSEHNRKENALKLINS
VSDYFGDDNIELECMMVTRIPSSKQITLIFKGSTTLQDWIKDSKVIVSDIENPVGDRP
EQLQMIGVHLGFREYLYGESTTVSTENSSRSLSLTSLPDEGVEATIESFEENKVENPCTD
DDNISPTANVSRESLTSTSAIILKYLGLDVSSLKKGQNNLRSSIGKNVESPFASIIENNEEC
IGTENKIRSESMTLSDIRENRANRSLCRILNEVKSLRKHYRDKIYITGHSLGGALGL
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>comp7310_c0_seq3; 331 35 1778 LEN=2775; translated
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FSEVHSM AFMSACESRTRGDFAGXIDSP ELVAPLWCCDLSPHRPIQIELFVYCRRI SPXL
FLSTFNRFNSADMHLIVLLFLSAAIFALAEVRKAARDGRIDTDGLDII STPVLGGAIIKT
FLRNKEFFL GELKDADYDFLRSVAQSTNMDSSSEESGEYCLSKAEDSEHNRKENALKLINS
VSI DYFGDDNIELECMYMVTRIPSSKQITLIFKGSTTLQDWIKDSKVIVSDIENPVGDRP
EQLQMIGVHLGFREYLYGESTTVSTENSSRSLSLTSLPDEGVEATIESFEENKVENPCTD
DDNISPTANVSRESLTSTSAILKYLGLDVSSLKKGKQNNLRSSIGKNVESPFASIIENNEEC
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>comp7310_c0_seq4; 412 35 1567 LEN=2564; translated
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FSEVHSM AFMSASIFALAEVRKAARDGRIDTDGLDII STPVLGGAIIKTFLRNKEFFLGE
LKDADYDFLRSVAQSTNMDSSSEESGEYCLSKAEDSEHNRKENALKLINSVSI DYFGDDNI
ELECMYMVTRIPSSKQITLIFKGSTTLQDWIKDSKVIVSDIENPVGDRPEQLQMIGVHLG
FREYLYGESTTVSTENSSRSLSLTSLPDEGVEATIESFEENKVENPCTDDDNISPTANVS
RESLTSTSAILKYLGLDVSSLKKGKQNNLRSSIGKNVESPFASIIENNEECIGTENKIRSES
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NVDRPVTFVGVANPRAGTEVSKVRLQNFAG

>comp7311_c1_seq1; 69 1 260 LEN=1242; translated
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QKHDPRAYSLLSRLWKVDVGLTHSH

>comp7311_c1_seq2; 69 1 260 LEN=812; translated
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>comp7312_c0_seq1; 777 1 2995 LEN=3442; translated
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LMYRSAEFHAADSGKVVKADEVSCDDMNSIPVYCMIGRAIGEYNSAYFADDILSQSFPAT
ASISTLLSFRFMXNMKNTT VTFVFAESIPKSSITLTKIDFAGCLNNQMAGFYRSHYKDTD
GNDKIVASTQFEALDARRAFPCVDEPSAKATFLLTLIVPADLECFSNMPESKRVT LGGNK
VEVSFLET PKMSTYLLAYCIGEFDYVQGITKYGVLIK VYAPRGRSASCQYALDCGCKALD
SFNDFFGITYPLPKLDMVAIPEFAAGAMENWGLVTYRDVDLLIDPDTASNSQKQRVCTVV
CHELAHQWFGNLVTMAWDDLWLN EGFASWAENYA ADEIYPEYQMW DQFCSGALQ TALVL
DGMLSSHPIQVPIAHAAEVEQVFD AISYCKGGSVVRMVKAVIGMDAFRQGLGNYFEKHAY
GNTETIDLWKAWE EASSMPIPELMASWTEQMGFPLLK VIGEDWQDDNVVLTLEQSWFLTD
GSEPPEDGNDKIWTIPIISCTSEGTQQDMVLMREKTATITITIP LKSKSDWVKLNAGQEVPM
RVHYSDEMLARLSTAVASTDLTSPSDRVGLIQDAYALVKANQIMSPESLMKLLAAYKDED
DYVVWKG IASSLSGLDSVLSADEEMYSNFTKFAKKLVLP LVDKVGWEAKPEDGH L TSLLR
GLMINLLCKFCSD DANVAQEANNKCVAFFEDPIENAKVLS PDIKEYVFM IYLKNGGQKEY
DTVKAYYNVAKDNAERKLVNLNSLGSIGDPK LKLETLDWTTSGEIKLQDFFYAI GSVSISG
KEGRTITWEYFQEHHERLKG MVGTANPSLMDACIVYSCGRFASLEKADEVEAFFKENEYP
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>comp7312_c0_seq2; 863 1 2847 LEN=3294; translated
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GFYRSHYKDTDGNDKIVASTQFEALDARRAFPCVDEPSAKATFLLTLIVPADLECFSNMP
ESKRVT LGGNKVEVSFLET PKMSTYLLAYCIGEFDYVQGITKYGVLIK VYAPRGRSASCQ
YALDCGCKALDSFNDFFGITYPLPKLDMVAIPEFAAGAMENWGLVTYRDVDLLIDPDTAS
NSQKQRVCTVV CHELAHQWFGNLVTMAWDDLWLN EGFASWAENYA ADEIYPEYQMW DQF
CSGALQ TALVLDGMLSSHPIQVPIAHAAEVEQVFD AISYCKGGSVVRMVKAVIGMDAFRQ
GLGNYFEKHAYGNTETIDLWKAWE EASSMPIPELMASWTEQMGFPLLK VIGEDWQDDNVV
LTLEQSWFLTDGSEPPEDGNDKIWTIPIISCTSEGTQQDMVLMREKTATITITIP LKSKSDW
VKLNAGQEVPMRVHYSDEMLARLSTAVASTDLTSPSDRVGLIQDAYALVKANQIMSPESL
MKLLAAYKDEDDYVVWKG IASSLSGLDSVLSADEEMYSNFTKFAKKLVLP LVDKVGWEAK
PEDGH L TSLLRGLMINLLCKFCSD DANVAQEANNKCVAFFEDPIENAKVLS PDIKEYVFM
IYLKNGGQKEYDTV KAYYNVAKDNAERKLVNLNSLGSIGDPK LKLETLDWTTSGEIKLQDF

FYAIGSVSISGKEGRTITWEYFQEHHERLKG MVGTANPSLMDACIVYSCGRFASLEKADE
VEAFFKENEYPKNERRIAQMIEAMRANGKLLVNLQASELSKEDFWDQL
>comp7314_c0_seq1; 297 169 1055 LEN=1055; translated
MTKDDLFCMNQHVTSFAREKKAKNGTASILGEIREQLHDLWDGATMKTMETTNHHDDCNH
GCSCDSYHGHVHDDDDHKTLMLNDLCKTSLKLAQWEIDKVNQNPISCDDDDDSSMAKRI
VRLSKTMMEFIDETEPKAETRSETKTSFLLSADQLDQIITXVPAKHLSDVLRGERFSGGH
DVLRLRLEKPHGTGLDHTLLMDHGWHTSSARAAKATAARGDSNPKHPRVEALDSDSRNDG
AANSSTLFVCGERSGSIASGQREVRPVGRVPVEHADGNSQRP RPVPESEAIAIAIAI
>comp7317_c0_seq1; 483 79 1074 LEN=1191; translated
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RAMEEDVLDKADKDSVVGRLDEAPLRRLPGLEQDMEYFYGPEWRTAMDPPSGATKTYVDR
ILEITASSSPTAGDNGELSP EQMPLQEPYLFVAHQYTRYLGD LFGGQMMGNMASRSMDLP
SDGSGVAFYTFEGVDSVRDFITSWYTELYTLDLTETQKQEI VDEANLVFALNIGILEELE
GSPWAALFAMAMSRADFTNWSNIKETKNGQ
>comp7319_c0_seq1; 166 539 1360 LEN=1657; translated
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EFIRLMQAKVSHESNNAVPAAAESSCESGSDSSCAGKTESSWSSASSFDDSEDGGSEAVE
PRHIALMKTATVEETSANSNIKYNKNQKGSRLRNKNDYGDKKISGRYTNYPSETKKNFSD
TSAMKKGSSPAISNAKATLDLSSALRGCKSSASLDLSDACKRYREAGPGVSGLGARAFRR
QDDWVGGSANELNVPEERWKVKATDRSRSNRYF
>comp7321_c0_seq1; 394 68 2259 LEN=2974; translated
MTGLAANTFPPSGILSLVVYILLVASSQA EHDASNSKHDEF GSSSLRGQQQRHRELKRPDYP
CILVRVETEYEQVEVEEGSIFSHFVDNAQQADVDEVRCE LSEVDVAKAGGQYFVPI MGIE
NSQLNYIESGVSTLVAEGAVLMDGALQIPQGA AIEIGTVDDVEFNDGEDEGGFMRWRS LR
MQQGSRRMAQVGTGKVLVVRANAYDSQTTGSRMEISNNIFGTGGDKVTLKSQYEQCSHGK
LVFEPYDNGNGVREVNIHTDVNGKNRFDIEKAMTSA AENQMGNLANQYDHSVLMCMPPTG
SWVAYAYVNSWLSVYNDEWCQQLSTLVHEMGNMGLA HSGKDGPNPYADRSGMMGF SYKGD
DTPQQCFNPAKSYQLGWYSDCVVEWNP SRQGTWAGVVVGVADYGTNSNGKTCVIRIPRPR
NGEDLYIGYNRKKMNSDVMDSGDKVTIIEKEDGYKVS NF IAGLHPNAGTKQVFYNF EYE
GRNLVVEFSSYGSSIDEAFVAIYFDDCEHPCWTTAPQPPTPLPTAAPVPVPSDPQEE DDD
PNKTP IIFEMLPNPREEEAEYIEIFNPHSSSINLS DYLICVQNGRNREPRCDQLMEFNLD
PGAYFMLCRNKLYVADSRTCHQVGDNLNFKDRR KQFVTLQQITNGSEVGTVTQT VVVVDKL
SLRRPKKFPDYMIXKKRTNGQILCVLLDLVAATFV VVSTSIDITIVVFEVDIDMFTEFS
TETTAPTYKL
>comp7323_c0_seq1; 482 1 1419 LEN=3106; minus strand; translated
DGTTSVLLSAELLKRGLGDLVQKQGLHPTTILAGYRTALKAAIAYIKESILTPISLLDS
KHLLEAAKTSMSSKIIGKEGNFFAELAVDAVK SVAHTKEVSGKNGIRKKKTIYPLSAIHI
LKVHGKSSLESYLMKGGFVLNATRASQGMPTFLGDP DDETVSEVKIALIDMNLQRHRMAMG
VNIQIKDPKEIERIKQRELDLTKEKIQKILDTGAKV VLTTKGIDDTCKMYFVEAGVYCAR
RCPKEDLKR LAKATGGQVVITMADMEGDES FDESALGKCRAIQETRVGDGELLKIFGCSG
SGASTIVLRGAN EYLLDEIDRSLHDSL CVIKRMLESNSLVPGGGAVETALNVYLQ EYALK
TLDTREQLAVEAFADALLV IPKTLAVNAAKDGA ELVSKLKS IHSKSQRPDCE NDDLKNYG
LDLVNGEIRDSL AAGVVEPAISKIKSLRFATEA AITILRIDDRIQINPTEQQ
>comp7324_c0_seq1; 682 1 1652 LEN=2359; translated
SSSSSNIGQATLRARVIPVLCFPYRAPRRATN NNTREXVSASDDRRNQSLEQGHHP LWS
LNLNLDSMAQAGAGNRAQELLRRIHALYEEGY YEVSPDIVSYNSVLKAWKEEEEEPEAALE
LLETMIRNEKEGAQREAFKVRSSSDANS AKDKSDKTIRVDVISFN TVMAAFANQGNHDK
ALELLRKMQNKPDKNRGTGTEEKEDDYFYPTPDTIT YNIVLYSLAQSNDPGTA AKAENLL
REMMMQKERTGLSVVDTMSFN TVLYAWSREGEKKDHNPGTTGKSGVRKR PVPSPKMAA QRA
EDLLTIMEELSEAGNLSVRPDVSYTTVIQSW SKCGEASGTDKARVVLEQMVDKGLQPNQ
LTYTALMNALNKAGQPENAESVLRQMIA ANHQPDNVALSSIIDGWARVSSKDRPEAAKRA
LQILGAMK KKKD SPWMRPTALTYTSVLTALAKSGTRD ACDQALD LLEEMEEAYAASGDD
YDANNVSSGMADAKHDKWSIRPKNIHYN CVL DAYARSSRADKAIKAQHLM TVMENHSRL
DCRPDTISYK
>comp7324_c0_seq2; 781 1 2078 LEN=2203; translated
SSSSSNIGQATLRARVIPVLCFPYRAPRRATN NNTREXVSASDDRRNQSLEQGHHP LWS
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LLETMIRNEKEGAQREAFKVRSSSDANS AKDKSDKTIRVDVISFN TVMAAFANQGNHDK
ALELLRKMQNKPDKNRGTGTEEKEDDYFYPTPDTIT YNIVLYSLAQSNDPGTA AKAENLL

REMMQKERTGLSVVDTMSFNTVLYAWSREGEKKDHNPGTTGKSGVRKRPVSPKMAAORA
EDLLTIMEELSEAGNLSVRPDVYSYTTVIQSWKCGEASGTDKARVVLEQMVDKGLQPNQ
LTYTALMNALNKAGQPENAEVLRQMIANHQPDNVALSSI IDGWARVSSKDRPEAAKRA
LQILGAMKKKSDPMMRPTALTYTSVLTALAKSGTRDACDQALDLEEMEEAYAASGGDD
YDANNVSSGMADAKHDKWSIRPKNIHYNVLDAYARSSRADKAIKAQHLMTVMENHSRL
DCRPDTISYNSLMMACAHATGNQQMREQSFEIALRTFKILASKGGTTGSIQQREQLLAHK
PVYELYPTSATFAHLFRACRKLRLPDNARRQTILSKSLVICQKLGLLNFLVVHVQVQLACQ
SERAWRETAGDLSEYIGWKDDFKRCGKTVPREW

>comp7325_c0_seq1; 322 337 1779 LEN=2500; translated
MVLPKPVSRRKDDSMPPFLGRSSLPLVRSKLFVGTTLVLFMWSRSSLYPSNGMYSIGAES
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ATKHTRRKQRRGGCDELPRALDAVASEGRGVGASDGHKALACEFATFCITDNPRQARLG
QHEGIHAHVGLVASPDVRSAMASHLIYIATFSNAKNHRAFVEHGAVGALGALVKSEAS
EPIQAMWAAAALQNLAAASYCDTEGNGRCYWRWDKALDRPVLVIKNSSLPMISDGEARR
QILDDPDLVRLAGHACRGPVSGTEGPGNPFPEHAGVAGRDDRSPNIVPWWAAAGALKNAAL
LSLSPGFLEALDPAMPFCRMARSDDWLEANKAGHVLDRRRRDPWFPGGGEDYEAPGA
ELCVDRYFVDGEGYDCSGYERAGGDECATGDATGTTRASEACCPGGGTRGGPVRPGAGG

>comp7326_c0_seq1; 437 212 994 LEN=1080; translated
MATSTSAFVPSNRMLSKTLPTQKIGNNKSIESVLFMADENETEWSAPTSAMIGGAGVNN
AGEPPFEIRGFSLGNLVI FSGIMITILSFAEYLSDSGADGLNVSGLGFVYIPVFLAGAA
LKYAEIEPVPCISSPAAERIFDDKATEIIAKIKQDVTRHRYGDEAHLDTTVKKLGLVVP
KDYPQLMELREDVEDGELTFTMVWQSIDTPYKMWADERRVKKYETFFGPGVAAEVVKIDA
EQRLVGIKLTTSSTPAVAA

>comp7327_c0_seq2; 399 77 775 LEN=1225; translated
MGGTRMSAEERKRVILGIYHKEQLVYTEKEITSLAAKAGVNANSIPDIHQGMIDDALVE
KTKIGGSNYFWSFKAKKDRAAQVRYETTLKAIIEELKPRVAEAEARLADAKRGREEDDDGD
GRESGSSEKDDGDESGAVPVRGRAKKLARLEELGKEKAALQTELDKLENDPATLADLE
KELKLVTAHRWTDNIFECKSYLVKGRGMQKKEACKFLQISSDFDYPEETN

>comp7328_c0_seq1; 386 225 1739 LEN=2637; translated
MQISSNALTLYVIVASTSTYAFVHRPRLPHTLPSIEKGGTALGYIKENYETGIGPDILR
KHKRKPVIDAIVVEEVVLPDVGSSQTSTRTPPTPHARPKRSPNTRIRKELSPDFDDA
FISEDVPATAPLEPSIWDNTAKCIQGGALRTWAIGAPEVDHTQVLLKSTHWDSPLRAQI
DVYNGPGHAPMKLAVYCAESLSQQPFVSVIPTPGFNHQSIGIKNSGPFEPPIEAVAIADV
ESAREQRKRQRERERQHTDPNTQPLQQGGYTGFINVSDPTPARTTLGAGRHEERPTSGLG
LFAEKLRLDLGLRKEIEGTSPVEYASGNEQSSSEELFEFEKNVDSVQVLIETRGLSCQARI
EVTNSGCDEILQVIELSIEDGKERPFFAVLDTSQRTSTTVRVLNLDPYSAFPITACVEPY
TINSDDDDDCNYKHDEDQAFGFDFIDASIEEDQGSDDEMIATAAASDSSAADGEGESDMY
AVPDITIPASLADYDFDEEFFFFAS

>comp7329_c0_seq1; 239 1 1040 LEN=1054; minus strand; translated
XTCSITYIKYIILYLVVARARVLAQKQVDSLNSNKDVEDDDGPTNPIQLKFSDGSMIVTH
ISYLTMLPFDVGNPLYGTDAIQGLEPWHEPMKMTVPNESFKAI IQWHNYSIAEHLGYS
SCVNIVDGAAGMGSCDRIILDGNRPDGGIAELDSQVVRQGEADSVLIPQFISSQFVAVFL
IIILSLPLSLLIKTAWMWDKYQILLYSVGGQKSPANTNIAIQTEYGMNTLIKLAIDE
LRNATKGIISKVDGKPIEIPQPSWFRGKIWPQGLMINWNLDGMKETGWSSDAFSDTFRR
PFGGVNIWYGNSEMSADGALHGWAEGAFAMANRSLDGIRSAIDGL

>comp7330_c0_seq1; 301 257 1936 LEN=2432; translated
MKKIVTKSFVGVILLYFVVDLSNAFRQSFQKRQLACRDFLLFANEVASARVNLALPKPTN
AAPWPRNRRLRKYFCSTEYRDFEVDNRIAEDGDTDEEEAEATFRSNDDVEKFFDEAERDEN
RKNFPRGKPEGFYVTNQYSIPEEGFEVLLRTVDTEKNLLKDGCTGGISREEIDRLGITGT
NITLPIALMLLDAAEAYPSLSRARKSCRKGVVVNRGSLVNVNRETGKEEFDQDTCFKGRVI
DRVYIPGDVIGIQCRMHGCGYGFDTTKPKFDLPVLYEDSHCAIVNKPAGIVCYCYSQRDDNH
GVMTVRHALPFVLKPPKRGTAGIYLRPVGVRHLDKPTSGLLVVAKTKPALVNLKQFEDR
RVKKTYTAVVNGIPEEPIETSITSEALNLGIDIGDGDQASKWQLIDHALDKKSAVTVWK
PLNYTKSLKAKDTTLTLVELKPKTGRYHQLRRHMSWVRGCPVGDVSYDGGGEATSLRGR
GLFLCSNIRLEHPYNTIEGRTEWEGLEPEQKWANGTLVLSLSEDGTTVEVHASIDLPNKF
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>comp7330_c0_seq2; 204 1266 2039 LEN=2535; translated
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KKTYYTAVVNGIPEEPIETSITSEALNLGIDIGDGDQASKWQLIDHALDKKSAVTVWKPL
NYTKSLKAKDTTLTLVELKPKTGRYHQLRRHMSWVRGCPVGDVSYDGGGEATSLRGRGL

FLCSNRIRLEHPYYNTIEGRTEWEGLPEQQKWANGTLVLSSEDGTTVEVHASIDLPNKFET
FLATERRRYEKFGDDVA
>comp7331_c0_seq1; 264 50 1402 LEN=1402; minus strand; translated
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VGPLHHADAAGPAEPAGPAVSLRLGVEPPGEWVVQLDAPDEHPLAQLVAREHLDGGVGLV
LLGGVLEADPDGPQAAEALDGQDKDVFVLAVERGNRSPDRLDPRVVGQALGRHGKFFFL
RNRGLLLLWGSPPPAAHQDGRENVAGVETGSFRGSALHHPNRSRDADPVAPATRQLHQFD
PEATPVVFAPGNRDKNAVDVVGGVVLGFEPDPALVFGRFLDKPRGPPRFYHRQGQVVSIE
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LGDGPAELCFVLVVFGRIGLWLDARIMVAAE
>comp7331_c0_seq2; 264 89 1441 LEN=1441; minus strand; translated
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VGPLHHADAAGPAEPAGPAVSLRLGVEPPGEWVVQLDAPDEHPLAQLVAREHLDGGVGLV
LLGGVLEADPDGPQAAEALDGQDKDVFVLAVERGNRSPDRLDPRVVGQALGRHGKFFFL
RNRGLLLLWGSPPPAAHQDGRENVAGVETGSFRGSALHHPNRSRDADPVAPATRQLHQFD
PEATPVVFAPGNRDKNAVDVVGGVVLGFEPDPALVFGRFLDKPRGPPRFYHRQGQVVSIE
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LGDGPAELCFVLVVFGRIGLWLDARIMVAAE
>comp7332_c0_seq1; 345 202 1323 LEN=1424; translated
MQQDVRYYRIGGDQPYRDDPTSAPIRIGSVGTTTSDNLDLKKKQSYPLSPATKGLGYCCSLA
SGPREDEGPYGRYYRDDFNDFSWNCSIGTSDDEDGIWLNRGDPAGSIMCVMVWILMGYSCL
TVTLLAKTGGISWYQSSVYSILVTMSLACHIKTTFTDPGAVPASAVPTEPQRMMSERLSM
CSQCQTFKPPLSHHCRCICNRCISKMDHHCPCWMMNVCVAGAGNLKHFFFLFIYTWTCNVYCLV
LLGWNFFCATEDCFNVVLTQLVRIMTVLCVGSFLFTSSMIMNVIYIGIMTGVTIDRLK
KKAADTMKDSIEEPVPLIDIFGIGPWWTWPLPIDPIFEDFDAVMGFATPQRLLEQILRE
QAQQGIEGHISPV
>comp7332_c0_seq2; 353 400 1464 LEN=1565; translated
MKSAPIRIGSVGTTTSDNLDLKKKQSYPLSPATKGLGYCCSLASGPREDGEPYGRYYRDDFN
DFSWNCSIGTSDDEDGIWLNRGDPAGSIMCVMVWILMGYSCLTVTLLAKTGGISWYQSSVY
SILVTMSLACHIKTTFTDPGAVPASAVPTEPQRMMSERLSMCSQCQTFKPPLSHHCRCICN
RCISKMDHHCPCWMMNVCVAGAGNLKHFFFLFIYTWTCNVYCLVLLGWNFFCATEDCFNVV
LTQLVRIMTVLCVGSFLFTSSMIMNVIYIGIMTGVTIDRLKKAADTMKDSIEEPVPLID
IFGIGPWWTWPLPIDPIFEDFDAVMGFATPQRLLEQILREQAQQGIEGHISPV
>comp7332_c0_seq3; 240 1369 1623 LEN=1724; translated
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QRLLEQILREQAQQGIEGHISPV
>comp7332_c0_seq4; 240 1228 1482 LEN=1583; translated
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QRLLEQILREQAQQGIEGHISPV
>comp7333_c0_seq1; 222 964 1485 LEN=1521; translated
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TSYGEKLEHDIHGAKKIEMATMMGGIFSEGICLPAKGDYGEIATALYILFCGDILHQESE
VYINHSDLIQGSFSGIGISPRSNLARFTSLYRKAADLFTRTVNFKTEEQEER
>comp7334_c0_seq1; 746 61 2151 LEN=2578; translated
MEMPVGQADVGVLVALLASAFLTNRSLTRGCSTPCTPRRMLKKNKDTGSEEIDAMET
ETSEGLDKAPVIVFHHFGSKSFHDKILLFETVSVRLETLLQFAVKDCSQRVRLIHFLPED
AGASVLHEMIHEMGHDYSATFKEAKSYKEVAKLVGSSRVCVCSGNFDKALYTIHELKANG
ADVGVLLSLSLSCMRSGSFNRADLLSHVEEILEAKILSTTKAAVKWLLPDGPSLSAAAEK
RCEETHLKIIVPEGVVVKPELNEHRLLISTIFKENVCKVELKKIGKGFSAKHFCTP
TIKTNEGAKAKGAMIFLKMGEDEEVAKELDVTRQMMMTLGNNPCQVINYAEAGETGGMLL
TLANMGDDGPKGFATLYSDLLDAAGEGKAKKQQLSERLESAVEYVFGTLCVRLHRAKAR
SEAFSAASCLGLCYDYDGKDPTEMKENRLSSFVWLQKVWRKWGGTGKLASSVQNKMREVL
GEDEANHPTVNFGGLELPLNIVPALLQDNEKLRALAEKTAKYSQCLVHGDHGNMIDS
KDNRYLIDFGRTGIGHAFEDLTWLESFCAMEYCDWNEVELADALKIVPSLAAAFIDTCQ
AKALDDALTASLTPRVIAMWSIVRALRVKLGDFLPDFADEKAVKVVEENADMARLLCLR
NALFLGCAPSTKPAIKKFAFALACAYGKEVVTMLSXW
>comp7335_c0_seq1; 775 110 2479 LEN=3385; translated
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DDGVFAEFKLEQETEGKIERQQLRDEERRRKSKEKSLRNRIWKSVRFAIDSDSYSN
SDSDSDESI IHGRPQQHDHNNHRRHPNTNSSRRSWRTSRRSQRFVHHGYHEHNNTRHE
HPETNGTIGNKKHSFRKRSEKRKHLISIQEDSYNSDYDLERGGDEAFSYEKNYFSNDENE
DSDSDNDNDNDNSAIDKEEYDSVITRKTGMPIGGMSIRSTRRTNNSDDDDNNTERDE
KYHWVSPHSSDLVFEFDLDAIVKDYEKLQRNLDFGINDKQSELCRYRDHRVDEDEGDE
NELKITAHRNLRNLWVEYFPRTNAILFKVFPVPLMFIVFFSIFLGDFLGKFKEMKNEIEQN
NQIMRDKHELEKYPYEETLYFMFGLPILCFDYYLEKEGTEEIKHDSNYNWTAIVEDTSAK
EFTNETDAFSLFSFNSSMLNLSELLGYELPPIYTKESYNATYDGDSDMELTLGEIKTYMAM
CEEAGADIVSRFIDFSARRMVMEAVGTMSFHWMRWCWNTTELGDVNPFRPNKDQLQATTQQ
DEFYDKNWRENQKFLYEQYLSEANCSDIACRNAALRQSVENANGSEMCDINKGASAWFWF
VFMTTVGYGNQSPETTHGRLLVGCLGWIIIIIWAVVLYVAGKILGIVIDDVFRKCNCRIM
TGDIPSVIVWGAWSGLWIVAVGEIYRYWLNNTEDPHHYDWAMFVQNDAGDISTGDAYWFS
YISLLTVGK

>comp7335_c0_seq2; 945 110 3118 LEN=3182; translated
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SDSDSDESI IHGRPQQHDHNNHRRHPNTNSSRRSWRTSRRSQRFVHHGYHEHNNTRHE
HPETNGTIGNKKHSFRKRSEKRKHLISIQEDSYNSDYDLERGGDEAFSYEKNYFSNDENE
DSDSDNDNDNDNSAIDKEEYDSVITRKTGMPIGGMSIRSTRRTNNSDDDDNNTERDE
KYHWVSPHSSDLVFEFDLDAIVKDYEKLQRNLDFGINDKQSELCRYRDHRVDEDEGDE
NELKITAHRNLRNLWVEYFPRTNAILFKVFPVPLMFIVFFSIFLGDFLGKFKEMKNEIEQN
NQIMRDKHELEKYPYEETLYFMFGLPILCFDYYLEKEGTEEIKHDSNYNWTAIVEDTSAK
EFTNETDAFSLFSFNSSMLNLSELLGYELPPIYTKESYNATYDGDSDMELTLGEIKTYMAM
CEEAGADIVSRFIDFSARRMVMEAVGTMSFHWMRWCWNTTELGDVNPFRPNKDQLQATTQQ
DEFYDKNWRENQKFLYEQYLSEANCSDIACRNAALRQSVENANGSEMCDINKGASAWFWF
VFMTTVGYGNQSPETTHGRLLVGCLGWIIIIIWAVVLYVAGKILGIVIDDVFRKCNCRIM
TGDIPSVIVWGAWSGLWIVAVGEIYRYWLNNTEDPHHYDWAMFVQNDAGDISTGDAYWFS
YISLLTVGLGDFYLDSEGFFYYDLMMWTGCFLAGFTFLSTFLGQVADVITNVFPDNGDSL
KEQLMNTNLVKKRQVQFKKENEKGIKLEKLEVMDDDDKELVAQRVTRIRVKKNLLIHL
LYQTKSEIEYRKRGERYENLSYSKVCQEEENMLNEVLSNTVKEREKLETYRRTVEVCSAPP
PGSARARSYFEDGTRVDGVGKHLHRSKGKSVKKRIKASTYL

>comp7337_c0_seq1; 796 231 1989 LEN=2598; translated
MAEGTTTTASASSRRKTRKRNGGKKNETSAAQKGGKGSASGNKKS GSGSNNNNN
SPPPPQIKITIRNIQNSDKFGSVKLVLEELVSKLIDSCVEKKANNQYTIELDRTAVRHL
ITEEEKIEEYRMEFLRGQENQRPETVEGGDCDPDEDEKEKTEENKEETHNDEGANGSTV
VDGKEGVSEKRNCDKLDVILAPKMVSSLPTILARPLYVPPRKRTRRRGERGGTACVLLIG
PKIEQKKVVTAMKGNVKENRQSDSPSEPQSEDQKKQSDAATVMDDSEGSIAADQQAECG
GDATTATKALTAAPETPISYPRELAKGRLLLSNAIKALIELAAVDSKTQEFAFSGCIVEQ
SMNGKTKMFHNNNSRPDRRDGTIEGTADYKEWLENIKQKEELKARPKPAPGGGVAAAN
TTTATGDEVEEDGQILSSLVQHLRAKKEEAKRKNQKKEENS KGGKTKGEGGQFENGKK
KKKKQRNLKSHPQEGKKPALTTKAARKKEKRKKQVRAKKRLEAAKVAAPMSVLKSTT
SATLKPDELVLTHSVLKTENTTKMAEAILETGRNGLDYVVPILLN

>comp7339_c0_seq1; 90 1 324 LEN=357; minus strand; translated
GSGIKRVAHVMDDEFQGNLRALIWNEKQSWWYVLSNETQIQRKVDRAVNYWTAVPPER
SSSWGLLREANRGRKRSQLEEDNLPANKQMKPYHQAAEDHSLVNGWY

>comp7342_c0_seq1; 235 1 782 LEN=923; translated
XKYAPRHPKGGTHIVPPSVRAGFAMHDAKASRSHLFLPIPSTHVLLFLGYPVGTSIEVRY
KLRAFPIPTHEHIPVSVTGTIKTYVKQWMHAREVIEQNYFMNNSNVTIVECPRLDDVLF
HGISFNSNPGNAAVRRLIINTYKEQEIIVKVKRRKMVLAIIEEVRKNGGRFLVWVNDGWWN
ELLDFFDDMIMAKVEYI IKDVRRENRSIRQQQQQLKVVSSSTSIFCSASTNVQIPSSDEED
GTSDRNCNCSGLMLPAMRRR

>comp7342_c0_seq2; 272 1 1660 LEN=1801; translated
NQNNQNSQLSKAIQMVENDDDANVFDAITISPLQQQQLLQLQSPTPSQQHGANDDYTD
PKEDPKVDVLLSEELLKLSCKERNDIQEEVHGVDCLAREETPELLEASLEQMARALEDN
RITPFHTKEALRRARVLPNSYVHTRDFRLRFLRNTLFDPIWAAKKAADYLRIAGDIFGE
KALERPILFSDFTAKEKQYIRKGHCQFLPFRDRSGRRILAVVNPTLYTGDSEPLQQMSR
EERDDSMFFMQAKLLMYMVWTAGYDIETQRRGIVYLCWLDPTHQPKQNFNLVSGIPRLNM
TSVFTVRASAVHTCSPDRPFYRFFRNLIIIGSTQANRPKVRFHGTSIEVRYKLRAFPI
TEHIPVSVTGTIKTYVKQWMHAREVIEQNYFMNNSNVTIVECPRLDDVLFHGISFNSN
PGNAAVRRLIINTYKEQEIIVKVKRRKMVLAIIEEVRKNGGRFLVWVNDGWWNELLDFFDDM

IMAKVEYIIKDVRRRENIRISIRQQQQQLKVSSTSIIFCSASTNVQIPSSDEEDGTSDRNCN
CSGLMLPAMRRR
>comp7342_c0_seq3; 264 388 1149 LEN=1290; translated
MTSVFTVRASAVHTCSPDRPFYRFFRNLLIIGSTQANRPKVRFHGTSIEVRYKLRAFGI
PTEHIPVSVTGTIKTGYVKQWMHAREVIEQNYFMNNSNVTIVECPRLDDVLFRRHGISFNS
NPGNAAVRRLIINTYKEQEIVKVKRRKMVLAIIEEVRKNGGRFLVWNDEGWWNELLDFFD
MIMAKVEYIIKDVRRRENIRISIRQQQQQLKVSSTSIIFCSASTNVQIPSSDEEDGTSDRNC
NCSGLMLPAMRRR
>comp7346_c0_seq1; 388 1 1335 LEN=1774; translated
XEIVRSEDQQAIVFFNRTIHDMRNPPNSSTPLLSHIDEGTPSMDSDRDPREEICQSQPK
GESDSSSPGLGDAYETWSDSSDVIHQAFFHTIVYMSLGVVGYSFLLDTQWSIIDSLYFS
VVIFFTGVYGDLCPNSSAAGMIFTLFFALYGIVILGIFLGLGEMAVERRQQLKNEVLEH
TRKSYITSIIINSVRPSLRQSFSSIIIPVGEIEEEKIEHGCSFLADVFNIAREQTPNIIITL
AVLGSPIMMLENWSIIRSVYWLVTGTTIGLGDHPESDWSKVMCIFYPVAVFAFAGTML
GRIATFYVDQRNDKMEAEFFARALSVSDIKKMDLDGDSEVTKYEFVFLVFLMTTLQKVEQSD
IDEIFDLFHHLDKTNNGILTADDIAYISDRTSVLQRESDASLIKKNLAKFYQYDPKGNPCV
PQLVSGNLRDPKLMWGNPCVPPAK
>comp7347_c0_seq1; 448 1 1896 LEN=2031; translated
QQNSIMMILSSALVATLSLISHTESFAPRARVRSTSTALSALRVNEKVQSALFVSTSDPIT
GDGSLPAGTTVAAPKVAQRWRKSTKQLATLGPSSGDKEMIETLFLAGADCFRLNFSHGS
QEQQKELLMTIREIEEKYSHPIGILGDLQGPKL RVGEFSNAEGEYLVAGNTFRLDLDTAL
GDNTRVNLPHPEIIGASEVGHITLMVDDGKVKLTVIEKGADYLCNVDPVPGKISNRKGVNT
PDSILDISPLTPKDRSDLDYMLEIGVDWVALSFVQKPEDILEIRDIVDKKIPSGDLKPSI
MAKIEKPSCFESNNLARLVELCDGIMVARGDLGVECPPEDEVPILOKTIIDECREQKPVV
VATQMLESMIESPTPTRAEASDVATAIYDGADAIMLSAESAAGXGMFISSEISLNAKGR
VVSPTVNFSNLXFFFPSTRTVQYPEESVAMQORIINRVEGDPHYRRYLDANVFGHDNTPD
AVIVAANKQVSKTISAKSIVCFSLTGSTARRASKNRPSVIMAMSPFKEVSRQLALSQVY
PDLPKAGSYGYTVSEEGMFDYENPIVEEASDDLIVLKSACRAALKKGLVSDPDDLIVVT
AGLPGFTPGAANVIRIVPAAGPSCWEGVCRA
>comp7347_c0_seq2; 153 1 372 LEN=388; translated
QQNSIMMILSSALVATLSLISHTESFAPRARVRSTSTALSALRVNEKVQSALFVSTSDPIT
GDGSLPAGTTVAAPKVAQRWRKSTKQLATLGPSSGDKEMIETVRARQHNLKKNENSCRQ
RRT
>comp7347_c0_seq3; 631 1 1785 LEN=1920; translated
QQNSIMMILSSALVATLSLISHTESFAPRARVRSTSTALSALRVNEKVQSALFVSTSDPIT
GDGSLPAGTTVAAPKVAQRWRKSTKQLATLGPSSGDKEMIETLFLAGADCFRLNFSHGS
QEQQKELLMTIREIEEKYSHPIGILGDLQGPKL RVGEFSNAEGEYLVAGNTFRLDLDTAL
GDNTRVNLPHPEIIGASEVGHITLMVDDGKVKLTVIEKGADYLCNVDPVPGKISNRKGVNT
PDSILDISPLTPKDRSDLDYMLEIGVDWVALSFVQKPEDILEIRDIVDKKIPSGDLKPSI
MAKIEKPSCFESNNLARLVELCDGIMVARGDLGVECPPEDEVPILOKTIIDECREQKPVV
VATQMLESMIESPTPTRAEASDVATAIYDGADAIMLSAESAAGMYPEESVAMQORIINR
EGDPHYRRYLDANVFGHDNTPDVAIVAAKQVSKTISAKSIVCFSLTGSTARRASKNRPS
VPIMAMSPFKEVSRQLALSQVYVDPDLPKAGSYGYTVSEEGMFDYENPIVEEASDDLIVL
KSACRAALKKGLVSDPDDLIVVTAGLPGFTPGAANVIRIVPAAGPSCWEGVCRA
>comp7348_c0_seq1; 159 1 864 LEN=1380; translated
XGRDTHFEKSQTGLQRTTHAREDETTQRRPALPPALATPQAPTHLLACFLPMGFAAGHER
LKNVHAYWRKNPVLSPRTTAGKVVMTFYFSIPVVLGYALVAPLADRTEAAAGERLAAA
ASGSKSEGSSGRPEKVGAGGWGGVRLAESSARTQEIINKTNLERFLKKQRRLKEDREREQ
QARADRADGKTPNQTRPNQTTGGWGNPAAPSEGNAPPVHEKPGGFCRTAYPPGMPLVNR
RKINLSGTTNRNPGPKLESATPQRIGSEFGLSSGNRWAVLNQCSTTV
>comp7349_c0_seq1; 438 408 1829 LEN=1970; translated
MTKLIIVRDGQHFSSIKFFDCDTKSKEFAEVLTMVLKNNATSSLVVKGGNVNGNTTSEGHR
PFSQVCEMGLSLSNEASIAVALREGLMNNLSKSLRSLGSLNFKNEGPNTKNHGDSSESCG
DEYDWCMLIHKTTLRNLDLGSPLSTSTATNLSNALSLNKSQYLDLTGCYLDQSLSK
ILKSLQEHPSLTKLNLNRNLFGLKSASTLALDAVAQLLRSKCSNLACLVLSSQQHPRNLV
TNAFDNSMYAGELEKQRHQIAFARALNALSTNTLRMIDFSGNHCLSDLTSLREALSSCL
VTNTGLLHVNVSSCDLTPFAIEYLAKNCIPHCSRRLKSLVLFDDDETSEIDVENKGWTTAQ
SALFSALQTNKTLETFGELDGVITNFESRNRFHLLNLNRAGRRLAANDLPLGAWSHVL
ARAGRTEIDNRDHDLCISITDTIESPTISSTKSTAASVVFALLRGPALLDNRQQ
>comp7350_c0_seq1; 454 87 1745 LEN=1759; translated

MLRRKGSWSRITNYSDDRDIVVSLRSAGHGDTLDRNVDLVLSSKVKIDVDGNVVELSLGR
NNRSTTAYQMSRQLRLEGGNYTDRSPYWDLPEVSGGLRKLKLVLYSCRSI PPSLNDRLD
LSCLELHFCDGNTMAQQGYRFLSASTTTPIAPSMSILSSI FDT PASHDGTIESKNKNDKH
ECVDRVVRGRLSLLKTLGIHGCVWNTKSIQWMKWMVSPICYNTIDAVTPSETSNHPCEAH
CSATKTTICRERCCTSHLEVVRFSWLQDDLLPALLDFLSPWKETAGCVRVGTTSRMRHLS
WIHSEMSDQGFERVLRGVVLPPFHPNLSSIDVSSNRIRSLQFLLQTEPNDESSCNQEQLHQ
FNIPSYHSLRSMNLHHPILKKKACFDPLEQQAFETLLLRFFPLLGLSLTPSWEDWNPAIE
YLLRINRGGRILIDATKVSRTIASVSLASSSDQSRVVTLDSISDCTTSSRNNQDAALMQK
EEESC SAVPKSPTTTISNPRQKIPLSVWPLVLHRAYQTSANGFLPPREDATAALYYLIRNG
PAISELFICNTG

>comp7351_c0_seq1; 232 53 859 LEN=1049; translated
MTIPTARTALSSVLKTTASRRRSFESIAGLRAISQSHRSNAAPRKSFSSTAPMIDHPFSGP
NVAEEIVSTRTTTTNTSADSSIKNLEDFVEKIPHVVRQRKMENIDPGAPNDPVAKLFRQ
SNLSKKAWMQYSHFDSTKPYTRNLIATDHETYTL LLLLCWNSLEESPIHNHPDCGCWLQVL
EGEVQEVRYDHRQLQCTMDIVYRSGQLSYITDNTGYHKVGNPSSQRAVTLHLHYAPPFERCQ
CWHSPDDL PKNPVEGKSVNHSEYGRVLV

>comp7352_c0_seq1; 504 1 835 LEN=1045; translated
XNNSSSSTPASSNSNAAPFNWGAQPQGMPPDPDRLLAMMENPMMQQMIQQMADQNPDA
LREALEQQNPMFQMFAGNPAAANQMIRQAMNPQAIRSMLEMQRAMGGGTGGGAGTGGSM
DFSLLGGGPASSTPTSSSSPPQDLSSVMEQMRAMMGAAATGGAAGFSNPWLSQQPQQT
QQQPPQHPADRYRSQLES LRAMGFDDERRCIELLQRHHGNLNRAVDALLSEPEAQAPQVE
AAATTEAQTEAQAPPAANDPSPEPPLHDPKDARDKDD

>comp7353_c0_seq1; 481 334 1292 LEN=1292; minus strand; translated
MPPRRRGSNLAGRSRDIVSQVEDKLLKLGAKLPACLESTRSSLRVLKIRNPVGSFGRYDN
DTKRACALLEYDVRDYNKNHGDGDEIEITMEKLAKAAFMKLDKDFRDFHQKIGNFRDNLRS
QTATNPTGATGKRPAAGAKLNAANKAGKSGNKGETRIVFRDSSISSLAIRLGAFVFNSS
DVAVRAQKFFWDAVGHKQKSKKGGVHGLRDMQRNQALYEAACFYLVATSGTESQPKIRR
RKNKPLGDSGDGPEDNQQLLLSTFLDVIKEAPSQFQTVLDYAKKLQLEIEPPSKERAGNR
GKSAGASRRSSPRSSSTSSR

>comp7356_c0_seq1; 408 91 753 LEN=1194; translated
MKFTTYSTLALATISGASAFAPSQTHPRPAVTTFMSEDAETGGKIVAIKEETVEFTAGLI
GGVAGFVGGPIVAVGAAAANYVSKADNEAGEIVGAVSKSALEVYNLATLDSKYEVLA
SAQASLEGALDKLKAQETIDPAAIAKVEGALSSTKAKIEEVNDEYDLVGSVGTALGVVGD
LVEKTIKIGELNEEYSLTDKAKTALSSAVDKAKDAASKA

>comp7356_c0_seq2; 408 91 753 LEN=1406; translated
MKFTTYSTLALATISGASAFAPSQTHPRPAVTTFMSEDAETGGKIVAIKEETVEFTAGLI
GGVAGFVGGPIVAVGAAAANYVSKADNEAGEIVGAVSKSALEVYNLATLDSKYEVLA
SAQASLEGALDKLKAQETIDPAAIAKVEGALSSTKAKIEEVNDEYDLVGSVGTALGVVGD
LVEKTIKIGELNEEYSLTDKAKTALSSAVDKAKDAASKA

>comp7357_c0_seq1; 249 692 1297 LEN=1407; translated
MILIALLPVLSVLLFMFSNNAHAFTTPI MEKTRATVSSSTAQSFAPGPLDFDFLDAP
SLLLVKADTKSTMVLAKKAAASLSLPNTATAAVNPEVTAQVLNVSSHALMDFPSLYQSAT
NKKPSKLRIQYAQVAGRLMILGIGMLPHHGFTPEEILVQFFLLHANMKPIIRSIRLWNCI
NERKCAAECSELEFEELDSL R

>comp7358_c0_seq1; 630 203 1414 LEN=1531; translated
MRIAASRYASGIVSAIALAVLESRGACAFVPGSRHGAPTRTRTSLNTVTTTTTPVGKAEA
RAKAKAKPRLVDILEDEKGHINPQLAQLIWKWEKSQRNLNLDLPDFENYSTRTGLRWKDL
VKKTLRALHVIESTSTAASASAPHLQRRSLHDDL IQEGVIGLMQALKTFEHEARPNESE
ESFAKAQIQIALDAFTLERAKGMGNPTGTGKPLSMESTVEIADPLETESYYYNQDEWEVR
EGLVLDNGKSVQREELVEDFLDETLQYEGEDQMWIQSQSI AAPLRDSIPESLDDSDQGIT
ETSLMEDRATSPDDLALKDMILYNVDDFLGNTLEDIESQIIQMRFGLDGVPKTKQKEIAL
ELDLTIRKVRKLQKVS LAKLRARFTERYINDDTGHEDFWEDTV

>comp7359_c0_seq1; 645 1 2769 LEN=2824; translated
XNIVHSSALLLQILLSSFKARMTLIPSEQDPLLGNKEVKIAGTGEESSDDHDFVPLKDRA
WSFSSHRRQVATAGTSPVPGRRKSVAVEASVENSTNTPVVPDGSRGKHYIFCLIIYAVVN
VIIAVPSLFGYAAVIFNHPIFSSHMNALSKLLISSSLVHQLGFLMFSSLPFAIGTVQDAG
LIFLSSMANTIANTMIDDGNNEVEILSTTLVILCAGTASLGLVLVVMGKFKLADAVSFLP
MPVVGGLYLAIGYFCVLAGTSLCISQPMMDPKDWALLLDVSNLKLAI PGLITGLVLTLC
RLATSSGTLPLFVMVSI PALFLRVLLGLDISLEEARELGLVGETSPSPVPSDLIHIVDFSK
VRWDLIVEVIPTWFGMVVVSFASCLDVAAIAIDMGQPLDTNRELATVVICNFMSGMTLG

FTGSYIFSQTIFMYRTGVHDCIGLMIMIVYMYIVVSPVNILEIAPLFFLGSTLIFIGYD
LMSEWLWEVRHQVFLSEYFIVWFTFLSIHAVGINFGILIGILIAICDQILTAEESTGVNR
INKRSRAVYTKGDAKLIHEKAYCSFSPKIIISLEVIIGNLFFGSSLSVLNQIYKIGLGTDD
QTKIDVEDLIEDSSMKYPTTPPKFVVLDLGMVTHLDASATRGCFQLAKMAGKKEMICA
SGLSPRIEWMFRKHEVAYETSEEEEVERAALLATMETTNNNKQLERMLIFHTAAEALEFC
ETLFLHDMNDSATKSPRSSLNESVLEQRSRAHTISTILSNFIGATEHQTEILEKLMDLRY
HNELIYNAGEVIFTRRSHSDAFYIVLNGCVANSTSSSTFQVARKQRSVSVGAGRVDQLTKR
IGSDHIATLWQKGGVFGFNDFLLDRRRTFQTVATVDDTKLAVFTHSGMNTIATHDPELYS
LMQQVLLRASTLDLANCTCHDV

>comp7360_c0_seq1; 681 305 2068 LEN=2355; translated
MAQIPAHGPTNYQHLSIERKTAAPMPRFRFRFLSLLLVLTPGTFAFVELPPLAVRHGHIH
PNPCFATINKDEGEAFLPGVSCSGERIAAVVGATGYIGKAVVRESIRRGYPTTAVVRPGSN
FDAASLMGNVSANVNDNDNDNASVSNQQPTNKVVFVSSSHGAGEVELSPPPPLTVHRFDVS
KMEPPSPEAPLGAREDSPVLFEPGSVDVVVCCCLASRNGTPRESFAVDYLASLRAAEARA
AGARRFVLLSAYCVKSAEREEPHALQFYAKKKLEDALAEMAEESNGAFSYVAVRPTAFF
KSVSGQLEAVRAGGPFVFLFDLGGATAACNPISESDLASALIDQVLDNTHANTHWNLGGP
DSPGLDKLQGMESMVGALGLDRPPVLVYVPIGVLHFLVGTGFQWLADAFRSDKLADAAELA
RIVRYAMEDVSRAPPNESNGTGNGTIPLPRRCACAAECPPFVLQCLLDTHRYTLVFLCLS
VFMVSYPIDQCSDEQTKRVNNTNNIPIPIFSQTHVHMHMHTQMLTTPDERYGEMTT
QQHYENIAKNGQEYDPYTSAYGILKDRERILEESSKAVAASAAGMAN

>comp7360_c0_seq2; 708 305 1783 LEN=2070; translated
MAQIPAHGPTNYQHLSIERKTAAPMPRFRFRFLSLLLVLTPGTFAFVELPPLAVRHGHIH
PNPCFATINKDEGEAFLPGVSCSGERIAAVVGATGYIGKAVVRESIRRGYPTTAVVRPGSN
FDAASLMGNVSANVNDNDNDNASVSNQQPTNKVVFVSSSHGAGEVELSPPPPLTVHRFDVS
KMEPPSPEAPLGAREDSPVLFEPGSVDVVVCCCLASRNGTPRESFAVDYLASLRAAEARA
AGARRFVLLSAYCVKSAEREEPHALQFYAKKKLEDALAEMAEESNGAFSYVAVRPTAFF
KSVSGQLEAVRAGGPFVFLFDLGGATAACNPISESDLASALIDQVLDNTHANTHWNLGGP
DSPGLDKLQGMESMVGALGLDRPPVLVYVPIGVLHFLVGTGFQWLADAFRSDKLADAAELA
RIVRYAMEDMLTTPDERYGEMTTQQHYENIAKNGQEYDPYTSAYGILKDRERILEESS
KAVAASAAGMAN

>comp7362_c0_seq1; 195 245 1155 LEN=2076; translated
MAGPRGQSFYDSDGMDGAFDNLNRNTEEDKAIDNLLSASLLRLKFEDRNDLREEVHGVR
LSPEETPELIRESLSRMDEEVEAILLASRENDFQHAYEQARYLPTTFVNDRDYRLKFLRC
DLFDPVKAADRFIVHVDYLLHLFGPXGPKGHLKADFFVNEEAAAALRGGNIQLLPFRDRSG
RRVVVALSGCFSYPPETRVKLYLYFAHVAHADCVETQRKGIILIGWCNTESLFDGKSIRF
PGSPGIKPVVLPNGRHVIDSISVRVISIHFCYPDKPIYRILRAFVYIAFGDIMRSRILFH
HGT

>comp7362_c0_seq2; 231 245 1761 LEN=1928; translated
MAGPRGQSFYDSDGMDGAFDNLNRNTEEDKAIDNLLSASLLRLKFEDRNDLREEVHGVR
LSPEETPELIRESLSRMDEEVEAILLASRENDFQHAYEQARYLPTTFVNDRDYRLKFLRC
DLFDPVKAADRFIVHVDYLLHLFGPXGPKGHLKADFFVNEEAAAALRGGNIQLLPFRDRSG
RRVVVALSGCFSYPPETRVKLYLYFAHVAHADCVETQRKGIILIGWCNTESLFDGKSIRF
PGSPGIKPVVLPNGRHVIDSISVRVISIHFCYPDKPIYRILRAFVYIAFGDIMRSRILFH
HGTSLQMQLMGYIPVQQLPSTDTGMVKVKNHIQWLKMHKLIKEDPSAYANVCECPGL
NDVLFRRAGSCLAHPGNRFRKLNIESKKDEHARSNQTGKREIAWSIVEEIEENRNGRFFSW
DTKRTCWVLMANRVEIRQKVAMMIRDFNRHSKAAKNPQSNDSSTTFKKNQDGRKRKLDSM
DGFTNCTPMFRLQPFHTRSMHGEI

>comp7362_c0_seq3; 179 245 861 LEN=2263; translated
MAGPRGQSFYDSDGMDGAFDNLNRNTEEDKAIDNLLSASLLRLKFEDRNDLREEVHGVR
LSPEETPELIRESLSRMDEEVEAILLASRENDFQHAYEQARYLPTTFVNDRDYRLKFLRC
DLFDPVKAADRFIVHVDYLLHLFGPXGPKGHLKADFFVNEEAAAALRGGNIQLLPFRDRSG
RRVVVALSGCFSYPPETRVSGFVAN

>comp7362_c0_seq4; 179 245 861 LEN=2115; translated
MAGPRGQSFYDSDGMDGAFDNLNRNTEEDKAIDNLLSASLLRLKFEDRNDLREEVHGVR
LSPEETPELIRESLSRMDEEVEAILLASRENDFQHAYEQARYLPTTFVNDRDYRLKFLRC
DLFDPVKAADRFIVHVDYLLHLFGPXGPKGHLKADFFVNEEAAAALRGGNIQLLPFRDRSG
RRVVVALSGCFSYPPETRVSGFVAN

>comp7364_c0_seq1; 711 202 3807 LEN=3896; translated
MLSICFSFRQRRRNRKFRNPLGAVLGVLYAVVNILCKMQTVAFVEVALSSGRGRKNT
PLGRTEVCNKNDSGRASEMYSSTSSSTEQAIKSNAPRRLTTDNGNIKSERNNYNDNGKKY

ERSPKEMNNRQRRRNQHHTTSGTRSSSECQRITKELDAIRSPPGIKDWITDTIWQHQQNST
LQSPSPWAGWNVHEQVSFVKYLRQRNAYASIVPFLSGLDPNPSDREMDKDNSLRPGKSSR
TQNHLLVKVYTTALFALSACTDSGQQDWNHGLDTKPMVLEILDQMDRNHIPATTLTYVAIF
KNLQGRPADVAQMIRFLEQRERNLAPKAKNPGKLDWADEVYHAAIYACRSHSNRFRRTSRS
SDNGYGSRNESMNPFDNKDWQTAIALMQMQSKGVSPTSQTYLAVLEVFGQHP SKMAVM
KSI IQQWKNKAAGVCNNEEDDRIWATALNACAVAGDYCQALKFIEEMMSEGCAPNLRHC
TALLKAI SGAKGYPQDQLAMTALNAMMGNETAALLETQDGDNGKDYRVLLPCTDLDIVALN
TVLSIVVKAGNFEDAMVLFNR IKRGKFRNAAGGMITPDRITYHNLLAGSSDPETAKRIVK
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DLSIFVLNEISSRYGLRPDSRSYSAMIACNKAQHAEKARNSNNSQETTNDMDGEYALQ
WWECSLALYRRMTEEGLKPDVQTHSSI ISSCEAAGEWQRALWVLQSIIDKSADEPDDATP
SLNVYCWNAALSACEKGGAWVEALDLYERMLES PFQPNVVTINSMMEALDKADQKELAQS
IYDEGLELGILHPWKETTDDKDGTPIMALDLHNFSESMARA AVRKTMDNWLDEKDETTGGGL
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SW

>comp7366_c0_seq1; 240 103 873 LEN=1082; translated
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LLLILTCGGTCGKSLSKSWKIIGYLLFLTALQGITLLIENSSICYDNPVIQYLEAKNSD
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>comp7368_c0_seq1; 522 1 1528 LEN=1882; translated
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VPAVATDEASDAAPAPVVQTEDVAANKKEATDDSVHAREASTSEAPAKEVTGKGPYPRVT
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>comp7369_c0_seq1; 551 87 1958 LEN=2254; translated
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QGWVFLSAVASAILAYEVR LQFSLTKPPATFCQLPSGSYVEKIYEQLTGKASSSLVGGK
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GNSLGANIMTKYLGEEGMAGTLPSCVSGGASLGNPLLIDSKIVRFPFNVLMLG VKKIYL
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FDASSYRIRHISVPFLNITAEDDFIVSKPSRNKLGFC LANPNVMNVETRCGGHLGWQEA
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>comp7370_c0_seq1; 565 63 1733 LEN=1897; translated
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KPSSFSTK PSSSVRKSLIRSLSEDLKSKSFECKADNSAYELEAENKSDNESVISSMKKQ
EMELKNVLRKRMDERA EKNTIRRSASRAPIQGEIRTKAPGSVYKNKAEILKPAVKKR
EIEPSTSITLVTERPSSSRKRGSRNCTTESERSTIKQTDVPKKEKTKMKGGKQKHITDG
NLRQKEREENHNKMIANEKPSKRVMQLRKQLEETQQKLRVTVVSNQELKELDQDLKKAK
EAIRFRIMKVIYITQKNKNFEVFEKYQE EVDENQRWIDEYRSANEILRDTL KELPKEIADL
KIANQTM EKANRDVAGHLEV LKASEKLQSEKDRLLATSEKLNKNEHIPRYRQQILRGELH
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>comp7372_c0_seq1; 1230 393 3707 LEN=3912; translated
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SLVRHHKLAYVRCPKPQKEQF SKLIVSTVDRDREPPGRFLKQNPSTKLWYNIQTQKALDKT
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LNHSHHAAAHAAAAA AVANQQQAHQHQQAHAAMAAAAHSRLVNSQYYNAAAAAAGNY
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NPYPPSANSDEALKYQAAQVIRMASAATAGNNTPTNKNKTNGNGNPSNPPGSFANSAAALAA
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TVVTKTKPASEKSNQPTDDGDAVAALLALGIGGKSPSSSSPVGASALSSRGAGATLTGGD
KTADAEF SASASKKKRKMSSGRRSLPIKKKQIQQQQE INKNNNNNAGGSFLGPTPPQQQQ
HKQQQQNGATIPPTMNSIILAQNRGAVIPKAADMAPAPELYLYGETPIHEPHVHDVLCGR
GALTNEHPGNEFRRLVRSNRQLYRSCPKHTKLLVAKAIVQAVQRTQRNPPGRFLEKTKT
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>comp7372_c0_seq2; 1230 566 3880 LEN=4085; translated
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STTSTTTEGDATGSTKLPHVPHASWGAEDANGGIIVKPHDHDVLSGRGNSVNHHPGNEYFR
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LNHSHHAAAHAAAAA AVANQQQAHQHQQAHAAMAAAAHSRLVNSQYYNAAAAAAGNY
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NPYPPSANSDEALKYQAAQVIRMASAATAGNNTPTNKNKTNGNGNPSNPPGSFANSAAALAA
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QNTPNATASASAMIARERANEHNAVHRHAAAIAAAAAASNAGKAGVGVAPHLVPSYVVSQ
PPSSSVTVSSSPTVTPPTAGTSAATSNSSTVPAPSNS SKKNTQSSSLKMNKEKKS GGSAA
TVVTKTKPASEKSNQPTDDGDAVAALLALGIGGKSPSSSSPVGASALSSRGAGATLTGGD
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HKQQQQNGATIPPTMNSIILAQNRGAVIPKAADMAPAPELYLYGETPIHEPHVHDVLCGR
GALTNEHPGNEFRRLVRSNRQLYRSCPKHTKLLVAKAIVQAVQRTQRNPPGRFLEKTKT
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>comp7373_c0_seq1; 472 227 1465 LEN=1566; translated
MPASTSSSVPLIKGYIPVRLNLPQPFVARQGEDEDDGTEDAFFVREHQGRSAENDNA
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DGDGFGITSHATSSSDSIFAWTDKEAFLPTFLPPIILSSTEGKYAHVVFSSAKELKKAKK
ALEDLMSASSKGGKSSRRRSKDQSNKTNKEHALIVDKLELQTLSDESMRQREEILRITVK
EASDDDDDFGDGENTGTTKPKQTKPEQPTGLVAVQRYRESRFLKNRSKLMEECNVAVMQ
AYEEAEAEAKRLAIEAARAEPDADGFVSVSYSSAVGSKIDLEQSATATTPSRRKGNKRTRK
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>comp7374_c0_seq1; 630 499 2931 LEN=3101; translated
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DGSGITRSLDCDSSMIFRPKSILSKIDAGSNSSTGRSPRRFLFPSPPTKESPSNIGKSH
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PSRATSNLQNVNLWGMNSSASQTGASSPSSPSRRSQADADTRGDGGSNTINTGTDETS
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SVPLRDMNRLRFHSPRAYRDTIYDGTMGPTSVVNSFSLTPFGNSSSQQLMAAPQKHRR
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DRLIFLDRDVKSDFTRLNAHRQEVCGLKWSYDEPAFLASGGNDNQLHVVDNRNPSAPV
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SNGGTNENESLLRELDSEFIHDATSYLIRISHTPAQDKVFPGRFTYQTDLRKPLGPTLQNS
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RGVGYLRDNALLPVPGHKEWLAAWERTDIDDPHSEPEMAKLGAGLAMIALGKMEAIRPD
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LEREEKAASGEKPGMVT SVHLELEHQHNAKTAGDNDVPKLSKRWIMVATKALLYLEQLR
RDEALDDI EPDHWALLATARLLPILDRQRQALENKSEKKQADLEYWLVYNHGVRVATSIV
SDHTTEGLKHKGCFTYDFRTCATSTRLEGLLAALTFVQSESEIFLGGNSEEEGEDKKGNH
ADATELLRDRIERDVGMGIRFLEAQKQTDQNSMRGAVPGMYSGKKPAALSKSNDDEEEG
SEDGEEDYHLAEVRVDYVQHSMSAVIAYESYLLSKTQQAkkRFHEIVHEKVRNVADPILH
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>comp7377_c0_seq3; 194 1 656 LEN=820; translated
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>comp7377_c0_seq4; 222 1 526 LEN=748; translated
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>comp7378_c0_seq1; 347 1 1000 LEN=1292; translated
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CATSAPLAA
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GTSHLYT
GTIFALASATDWFDFLARRWDISTAFGAFLDPVADKLMVSTSLVLLSGRHGK
VAAIPTL
IILARELAVSALREWMAQRGERD TVKVG YQGKVKTFLTMTALT VLLYAPAEAG
TASILYK
VGIPMLYMSALITITSGSVYFMAAAPALLGTKQ
>comp7378_c0_seq2; 256 384 731 LEN=1023; translated
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KVKTFLT
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>comp7378_c0_seq3; 122 1 659 LEN=659; translated
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CATSAPLAA
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GTSHLYT
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>comp7379_c0_seq1; 329 296 787 LEN=787; translated
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>comp7380_c0_seq1; 327 1 1343 LEN=1408; translated
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KKLLS
LLGPKTFIDPVLADPITKEGVRITSSSGASLKITSPTATYGG SANTYLNLL
EPVSD
EPLK
KDTDPSSLLKSALRQVVPVPPPLRGPVNSFLGDEENEYVPMRDLFTNPTV
SFAYER
GWR
QGFAAAGFP GPDVEAQMATDYFAPVVALANPDSVVVDMSCATGLFTRRLAK
SGKYGR
VMG
CDYSDSMLTEARRRIKADPELSPKSLKTSLDLVRDLVGGQIPMKTESVDCL
HAGAAM
HCWP
DLNAAAAE IHRVLPKPGGRYFATTF LSTYF SNVAAMDGQAGASPSQQAFQY
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LKDL
LVGGGFDECKVNI EVLGTACVVIRAEK
>comp7382_c0_seq1; 1710 312 3689 LEN=3855; translated
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ENLLEDADPEEIQ LATFC EEPRAAYNRVRLTSYFETRDP SALSMTSDFDENG
ATSWY
EEN
DVELYIGDKAVAIDVDAKTVTGKSGKTIEYDACVLATGSFPFV PPIPGKQR
PGV
FYRTI
EDLEAMLAYAKDNGVTSAAVIGGGLLGLEAAKAVKDMGVTSHIEFADILMCR
QIDEG
GH
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DLPVQ
MVVSA
GIKPRDELARSQCTPEGGIALGERGGITVDSQMRTSADSVYAIGEIALYNNFI
YGLI
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NQPK
PDEDVQ
ELVWNDPFGVYRKLIFNKAGTALRGGIMVGDASDYDKLHKLAVSAEYDGG
PAPL
PEGVT
ASMLLTPPSARS DSEEEEDADLSDPNAQVCSCNDVNVGQLKSAIHEL
GVEE
ATLPA
VKKC
SKAGTGC GGCEPLVKKFLVAELES MGGKLN NNI CEHFYSRQELMALIR
LEED
PEK
VDSF
QKILDSYGS AIAHEHGDGCETCKPAVASILSSLQNK LIMRPELIQNLDT
NDRAL
ANMQR
G
GTYSVVRVPGGELTPEQLIALGEVAKKYNLYCKITGGQRVDLFGAAKHEL
PDIWE
ELGA

AGFESGHAYGKALRTVKSCVGSWCRYGVQDSVSVFAVKVENRYKIRAPHKIKSGVSGCA
RECAEAVGKDFGMIATENGYNLYVGGNGGATPVHAELLAADIDEETVIKYLDRYLMYYIL
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VVKDPELRLKLYQQFANTEENIEKHDMLEFVDMRGQLRPADWPKDGPQTNWEAPANDIFA
NSEKSWVDVGDVKEFLPNIGTSILYGDSQLAIFNNEARGEWYATQNMCPHKQAFVLSQGI
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>comp7383_c0_seq1; 390 522 1289 LEN=1355; translated
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FDPQGLVVVEAKRKDVNGQCTKKNQDCKGSEIRDSIYNDMKTSMYLLANAFRLNQTKAPD
NLPVRAAKKFFKEMDLVEKAAKKRKNDRSEVVFHAAAALDFTFLDLVELPPTDSNWY
EQEFDRAVGSSARIT
>comp7383_c0_seq2; 164 522 764 LEN=827; translated
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>comp7383_c0_seq3; 212 522 902 LEN=1100; translated
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FDPQGM
>comp7383_c0_seq4; 181 1 452 LEN=518; translated
XFHASWYNLLFPIDLNVLKLGLVVVEAKRKDVNGQCTKKNQDCKGSEIRDSIYNDMKTSMY
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VELPPTDSNWYEQEFDRAVGSSARIT
>comp7384_c0_seq2; 116 62 298 LEN=1333; translated
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>comp7384_c0_seq4; 124 62 337 LEN=1066; translated
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>comp7386_c0_seq1; 484 159 1229 LEN=1921; translated
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NMASSMAKGGDADPSAKPEAKALAFVGTGLGHERDVAEGVLNLRQSGVSGDAALLSMV
RSLAGRWEVDEDAGLEALVESVTVELARSRGKTTVGFVWLPASAWPSREGEDDTAVEVDK
TRAFWVEGFEDMSLTDVAKFGDGEADVLGEMIECACSGIMACSTCHVVVQPEWFEEQAGG
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>comp7386_c0_seq2; 481 159 1356 LEN=2048; translated
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NMASSMAKGGDADPSAKPEAKALAFVGTGLGHERDVAEGVLNLRQSGVSGDAALLSMV
RSLAGRWEVDEDAGLEALVESVTVELARSRGKTTVGFVWLPASAWPSREGEDDTAVEVDK
TRAFWVEGFEDMVRFCVLTVVAVLAVFFGVVVCVCDSSAGSSMFWNPFYRAAQLTDVA
KFGDGEADVLGEMIECACSGIMACSTCHVVVQPEWFEEQAGGEPSEAEQDMIDLAYNPK
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>comp7387_c0_seq1; 476 549 2468 LEN=2517; translated
MAIMHTPSQTFCTAGWIDPDTSPDVLTQTQPTAIIPGKIPSPTKVTKLRKGETASPTGST
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YAASNAVTDENGELIITTEAVDTDIITQDDHPKKKIRKTKHFKSAMLQTNKFCFTGGI
VEAQVTLPGKSNIGGLWPAFWLLGNLARHTYVGSSQHVPWSSNLCTEKAFSAQHSACS
EVAHFGLEKGVGRGSPEIDIFEVQPGKIKANTGVFLESSVGGQPFMSASFQVAPGRPDQRP
GGGYWPGPGQWYDGLVGGKNTSLNINFYGNYNHFKDDPHPEKSDYWSDAVSFNRQLEEKH
FNSSHVYRLEWDVPTEDKDGYLHWFLDGDVLVAINGTGIREGGTGSEVSTEPMYILLNTA
VSSQWGFPTKCPANCECDEFDCNSKVYADRCGFSDFCDMMTKGKEPPKYKIDWVRVYQD
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>comp7388_c0_seq1; 529 97 1209 LEN=1275; translated
MVRLLITLFLGAACTGSATAFAPASNPVRAEITSLSMANALIVQNKGGGHGELGFQLAKK
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FEYIFDNYSKGPEGSSKALCDVAKDWGCVKLYVYVSSAGMYQPTDETEFPMSSEATTPIKE
SAGQAKMDEYIAEECKLPLVSFRPQYIYGEKSNKHDIWYFDRLTAGAPLLIPSPGTQK
VSLTNSEDVASLLVAPLDNEEAAVEQRFNCGTDKLLSYDEVAYLCAEAAGIAKDDVKIQ
HYPGETFGKAKFPFRLTDFYVTPDLAKEKLGYSGASNDLQENLKWYYENYKARGKKNVDL
TKDQEILAEI

>comp7390_c0_seq1; 794 99 2994 LEN=3041; translated
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KKVRDTPAGVAWRAGYKSSKRTQGRIQKAFNEVMPSTHNDSHSRAKLVLDLTLQTPPEF
CNSVNLVCALTYSAKALGYQRVGHVGNIEFRNSLQETFDILHGLVVHRAEGLFTPRQL
CNVWVAIAKHVDRDQDLLLSQKNEEDSDSPQRRLEETIDEIAKQLTTILFNEDNDDSTAI
KSTFQQPKIKLGEICMACWAYGKLRPREIPPGWPGPPQMGSVKTQDSIVADWKTEQLGTL
NKDSAASNNLGSDDSDGSKDVSETGLLFDAMGYALCQSVNNNDLDESKLLEDCTWSELA
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ILLWAQARLYLTEKEGNEFAEFTEDAPLFFLDLTLRNNSGSFEKSKIGPQEANIVWSLVI
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SYLKEKWSLEKARFKLSARHKSLSSTLELMGVSHINEHEEDIDVAIILQPDAMVWHETD
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SRYP

>comp7391_c1_seq1; 691 145 2358 LEN=2441; translated
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GAEICLVWEVPPNNDDDKTEGQRRREEILGSSLSNRKAETSNTKIQNPTVLILHGINNSS
GYGYVRSQRMTDRGWNAAVDFRGCGLAQLRSTPRSYTAAYTGDLRSLVNQISARMMG
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MMFPHSVLIGAARKANYFRHRTALRMAATNDAGCPASTRNDFRVTRSLIYDPRIIISLA
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GGHLGWWEESGVPNAGWLGAPWAHKAADFFEAUMDAGAEERFAESDKTVVASPIDDAH
NLF SRSCSSRSGVLGGEAVPQEDDKTRTGSSSSADSMRCRSGASSDDNGDGSRRARHTL
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LERQSSISSLRLRLSRL

>comp7391_c1_seq2; 214 368 1042 LEN=1065; translated
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>comp7394_c0_seq1; 253 220 777 LEN=857; translated
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NVLDEDKLLDAMEVILDKAAEEGKGI VVDFHVCEIFPERWFDLVLCLRTSTDVLFDRITK
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DKGYD

>comp7394_c0_seq2; 248 532 984 LEN=1064; translated
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VQSNTVEDMDNNVIRVEQWQKQWLQDKGYD

>comp7395_c0_seq1; 981 312 2801 LEN=2919; translated
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PAGLVSIIITVTDLASPESWTTVDVPMANDPSVVGACLYPDDPEPEYVAIHPDNTKVVVSL
QENNCNVVIDLASASITAAFDAGSVTLDSIDTTEDGLILQKPSLSIERAGEDVQEHHELL
REPDIAGIAGSSDYFATANEGDLGGSRGWSIVDSTSGEVVYDSGLEMEWETARVGHYPD
ERSGNKGNPENVFYSAFGEKEYVFLSERSSVVFVYLMNGPTEPELVQILPVGTGPEGI
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KSVFYPLDEAESQNGGWVGLSDISSLGDKFLVLERDNQGGPDAAIKKIYEIDLDGYSMA
DGVTI EKKLKVLVSDLLASQGGQILEKVEGLAIKNGMMWINTDNDGVDDSSGESLLMSV
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>comp7396_c0_seq1; 233 334 723 LEN=723; minus strand; translated
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VQQLQAQKLQ
>comp7396_c0_seq2; 834 1 2856 LEN=2856; minus strand; translated
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LKASLPSFSQNVAARPTATNHAGVVPSELNRTITHGTL LDRSGACSPGLMATARELELAR
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MADVEAYRRNTIKYTDNDNGVSGERRPKSIRISQIGIRCRHCATKGGKSNTQRAFWYPTS
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LSNMGIYEDKVNMLRVNRGKNGVTD SASAVVTSPVPSNNITARDIKREQKKKRAVSEE
SNAPRRNISGKAPAVIESSDGEQEEINKGRNSIAKKRNL SRHNEGHRSSLNSSADESSS
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>comp7396_c0_seq3; 169 1 697 LEN=697; minus strand; translated
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ESNAPRRNISGKAPAVIESSDGEQEEINKGRNSIAKKRNL SRHNEGHRSSLNSSADESSS
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>comp7397_c0_seq1; 664 149 1351 LEN=1444; translated
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DKVVEETASELKAAATAAAVAAPAAPVTAADYVLKTI DKSKI VPGRNAETDRSVAVPFLK
RPPKLDGTQAGDFGFDPLGLTEEFDLFTMQEAE LRHARLAMLAVVGWPLSELFAPSWMLQ
NGCAPSVLNGFNVPVSAVAVLAAFGAFGFF EYKTALRRNDNTAFGKMHRADLADCKDGEYG
VAGDYNFDPLGLYSSIGNDAYARKGLREVEI SHGRSAMLGITAF AAWAALTGHP IVENS
MFFHPNFELPALVAAYYAFGFFYERDEESADTFFRYKLSSEGNARLENMKIGGGESAAPSL
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>comp7397_c0_seq2; 679 149 1372 LEN=1465; translated
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VAVPFLKRPPKLDGTQAGDFGFDPLGLTEEFDLFTMQEAE LRHARLAMLAVVGWPLSELF
APSWMLQNGCAPSVLNGFNVPVSAVAVLAAFGAFGFF EYKTALRRNDNTAFGKMHRADLAD
CKDGEYGVAGDYNFDPLGLYSSIGNDAYARKGLREVEI SHGRSAMLGITAF AAWAALTGH
PIVENS MFFHPNFELPALVAAYYAFGFFYERDEESADTFFRYKLSSEGNARLENMKIGGG
ESAAPSLPFDVDAIKEIPDKISATVENLQQQYSKLENAYMDNVVKKD
>comp7398_c0_seq1; 891 251 2371 LEN=2527; translated
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TAIEEEDGQRHNEEQYRRRGKAQQVGALYEGY GTHYIDLWVGTPPQRQTVIVDTGSGIT
AFPCGACSDCGAPKYHVDALFVEKDSSSFAKSTCASKSDCIMSRS SCSGDKCLVSMAYAE
GSRWNAYEA VDRCYVAGPHETPLVAPEGASLEGDDMNRHAADLAFDMTFGCQTLVTGLF
KTQLADGIMGMSNQASTYWSQMFEAQKMGPD RQFALCF SRPVHIAREGTEAGAMTLGGVD
TRLHRTPMVYTPNFNTGRATFFSTRIRRMMLRDGKYGTSVQSTADNPNLGLTVL DIDPSI
LNKGGTIVDSGTTDTYFN SAIGGEFKRVFRKITGREHTNSGLDLTEEEVLALPTILIQLI
SNDETNGHVDDMFHTPGLAGAMDKPNKSDVILAI PPTHYMEYDEKSKKYTSRFYTTTERSG
NVLGANAMMGHDIFFDVDTKRIGWAESDCDYTAKVRENGYDFDITGELKKA EAAGTAAKE
SKECSSISSGAKCQKVEGCTWGWGKCSKVG DAPPKETPEEPKETPAETKETPAEPKPTPA
PLTPDYMQEIPPLRTWVEDHLVAIGSFVVL SLLLCCYCLFCRSESSRGRYEKASLEPV

SIEMRNGNGMRKIQSFQDEPDDDDSHVENGNNGSKFRDEPEFEGDFM
>comp7398_c0_seq2; 822 129 2027 LEN=2183; translated
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VAGPHETPLVAPEGASLEGDDMNPRHAADLAFDMTFGCQTLVTGLFKTQLADGIMGMSNQ
ASTYWSQMFEAQKMGPDQRQFALCFSRPVHIAREGTEAGAMTLGGVDTRLHRTPMVYTPNF
NTGRATFFSTRIRRMMLRDGKYGTSVQSTADNPNLGLTVLDIDPSILNKGGTIVDSGTTD
TYFNSAIGGEFKRVFRKITGREHTNSGLDLTEEEVLALPTILIQLI SNDETNGHVDDMFH
TPGLAGAMDKPNKSDVILAI PPTHYMEYDEKSKKYTSRFYTTERSGNVLGANAMMGHDIF
FDVDTKRIGWAESDCDYTAKVRENGYDFDITGELKKAEEAAGTAAKESKECSSISSGAKCQ
KVEGCTWGWGKSKVGDAPPKETPEEKETPAETKETPAEPKPTPAPLTPDYMVQEI PPL
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>comp7398_c0_seq3; 125 251 563 LEN=563; translated
MGTGAAKKTSHSWRWMTLATALLLQGSATAKGVVQLKLNPRHVELERRRQRERNLHPVA
TAIEEEDGQRHNEEQYRRRGKAQQVGALYEVSSLVVWHAVARIX
>comp7401_c0_seq1; 464 179 1609 LEN=1663; translated
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AEMRMNFFRIFQQDNSYLEVSREEIRRVAMHKRFAEGSEFSFNYNVLLIIASILAALGL
GSDSVATI IASMLVSPLMGPVGMAYSATI QDFTLFR TAFMTELV SLLACIAVGGVLTCC
MIPFVDVPDEWPTPEMESRALMTSFWIGIPVAFFSGLGVAVSVLDEQTS SSVGV AISASL
LPPAINAGMLWTTYFFNEAGTNEEIGDDAQHRFFREGVISLGLTLANIALI ILLSSMIMFR
VKERVNIKRKKIFWTDLGLARCIYRNLAVDN PADAPNPVRRMARRVSLYFHKGSTNRAS
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>comp7404_c0_seq1; 368 113 1075 LEN=1392; translated
MARIFTGKPTTFLRTQTYSTQTTHRRCTVLDWVTISEEHGIYVADLGMSPAQC DALVTTT
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AAEAKDGGDGRPPNGGTTGGDAPAGALDSAEP SLSRPGDGEPRPPARVLQLDEREPHIVK
YDVTKKERQKLDMDTKSEFTFLIALSNGCGMDYDGGGTYFECLDATVHIQRGHALVFP
KLRHRGTKITRGLRFLLVGFLVDKPLPLQASDAPAEKTKTEHKPERRDAGGDAPAE
SPARTVSPAKQVLPVAVDWC
>comp7405_c0_seq1; 512 1 882 LEN=1115; translated
DDEDDDLYTEKELDEL IETIKVQDAFLFLKSRGWDDKLLPLVDMFNHRNGPQRNVEVTSV
HDGGGDIAAYTTRDVAAGEQLQYTYSECFDSTCAYSAMVNYGSQPILADYGFVELYPQR
WYLGADDDVVAPEADDDDYSTVVDGKVQDLTVEVTTDENDDSKIVLRWIFRTPNTASL
QWIKEQLDRLKSIEAEVTRRVEGLGTIYEKGHPITDLYNLEHEGETLLDYHRAVYVQVLEL
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>comp7407_c0_seq1; 781 161 2318 LEN=2496; translated
MAPSPMKTGKASGPKKVYLFNCPYKEKASAKKAGAKWDASAGCWYVLSSQNLEAFNKWH
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MTVAQLQIECRARDSGII GINSKNKNWLEHLVDVSGKWSQGWKEKDLQNLISANKKAS
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SAKKPSVKLVAESVPDASLQRKRP AKKEQTSSANKKHKIKDGNLKSADVLLSTRKKEGP
KSATTVEAETIASSTYTRITSKMTLSTLKEA IARNVEIAKQKSLHVHKFPRVHRCAMAK
SNRLMMNGNARDGECYDLCYQKREHFFVVGSRSTAIYTCEKCFDICIQKCFDEENRSESE
KEKIRKKRQREEREETRIQEREEQRAQRWDSNLRFKNTITKVKGKHLDAESGLKFTVWC
SDGYDYDGRHSYEGEPTKEFDSVWKTKEEANSRAEYSSAKILGGXPPEIDIEDNEVVKSK
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>comp7409_c0_seq1; 152 110 397 LEN=397; translated
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>comp7409_c0_seq2; 586 110 1530 LEN=1687; translated
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SSQGIRDGPFVDSAVGNLQVRESLRRKMAAVKAALANGLTDRPTLSNDVAQTHEMEYLR
GEGAXSESAHLELKRAHGSRLPLKKNASRRSVTWLVYLNDDWTPEDGGQLRLHERASDSI

VPVGARNANDLQVGWLREIPETGKGEQPVFLNPFCKRKRKRDGSMDENESCMLYTFDDNSGEN
KRRELSKQFPFNAALYLGGGDKLARNFMVDDPEDRKRFLHIDAPKSLVSELAKTETPPEG
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>comp7409_c0_seq3; 634 110 1543 LEN=1700; translated
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SSQGIIRDGPVDSAVGNLQVRESLRRKMAAVKAALANGLTDRPTLSNDVAQTHEMEYLR
GEGALLNRHTDEHHLELKRAHGSRLPLKKNASRRSVTWLVLYLNDDWTPEDGGQLRLHERA
SDSIVPVGARNANDLQVGWLREIPETGKGEQPVFLNPFCKRKRKRDGSMDENESCMLYTFDDN
SGENKRRELSKQFPFNAALYLGGGDKLARNFMVDDPEDRKRFLHIDAPKSLVSELAKTET
PPEGEDGGERIHDILPRAGTLVLFDSVSLPHEVLRTNRERFGVQGWFHETIQQQTQQ
>comp7410_c0_seq2; 236 249 476 LEN=476; translated
MEAEIDLAPEDIETVVEEFDKDGDELDFCEFKTMVKYLTRDSKQRSSIVMDDIMLQLGSV
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>comp7410_c0_seq3; 263 439 795 LEN=795; translated
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>comp7411_c0_seq2; 832 1 1968 LEN=2016; translated
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ALELGHFVDEDDIDKGGADPNAAGLVAVQTLFRDSSEKEYERSLVTELGNLLRRRAVGANL
AELVRASCLMAAFRSALKVHPSSTTRRFDKELLAMDVDILMIALKVAQDEQLKATTAIV
QADRNPQLVVPYKYPTKKEGNFPDPEEVGLPFGLAELKQQRKRTSMDLTGSTTSFGNDKE
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VAAVGMKADANSSDEGDIETAVQVMANVAALQHSPLRFLFTLMRGMCHVGMIRSDQLAET
FQYAEATLKGADKACDNQVGTMYSKVYECARGKIDAHLYALEGFNWVQKTCRDMPNAYC
EGLIGYIRNVFDSLGPMDGSRAGLHFSCCGHVAERLVKILSDRALEDGSRSDGGLPPIA
KIDPFGLYNMSSDVDEFKFFATSTGVPQLADCFDELKSITSAMLDPLPNLLRPENSAR
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>comp7412_c0_seq1; 991 228 2339 LEN=2419; translated
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TTKKQHEEPTTIRYVSRLSKKEKTRKLEQQFPELLPMVTYFVSNIVEDVKVVRTKVGV
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IMDQLKKFTSLLGRLEEDVQRKTSIDIALQLDNLIEAAALVEYLLGGNDGVGSAVRGTC
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LNEARFGLRPNEANTSGRASRKTICMPMVDDFGDLERDHATSNSHLASAVNTIEQRSR
KRPPAPVMAEDLDDIDEYDDRVRVHGKMMEEELGKLDQNGDYERMDDAETSDGQDPDAGE
PGFYDRIAAQSQERKFLRTSLYGVVPKFPRVDGEVVGERSIGRVILKNRGLVAHKAKIN
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>comp7412_c0_seq2; 461 306 1448 LEN=1528; translated
MVQKSLALNSVVYILLRLALVGDEDEATTNIRAHIMDQLKKFTSLLGRLEEDVQRKTS
IDIALQLDNLIEAAALVEYLLGGNDGVGSAVRGTCDGETNNAKRNDNRNLEQPKRGA
IDGDELSDGSDGGDGDFFEEKRAAVARQKQKDFERTLNEARFGLRPNEANTSGRASR
KTICMPMVDDFGDLERDHATSNSHLASAVNTIEQRSRKRPPAPVMAEDLDDIDEYDDR
VRVHGKMMEEELGKLDQNGDYERMDDAETSDGQDPDAGEPGFYDRIAAQSQERKFLRT
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>comp7413_c0_seq1; 86 1 283 LEN=585; translated
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PQGAVVGDQGGHRRRLAWQERRPGGAPEVHSHEEGRIQW
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RE FHTQYISKLPDRFYRKNNKMTDPHLREAYKELQKLVANSKDVESQGCEAVKNTFLG
GMKDGE SWGLRKWLSKHGGALHCNDTECMSTSCQKLDRELETTTRKLAERLRPMAAK
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DQLQASPSKQAVYFYDPKDTAMSQTGEMI QMPTIVYDTNGRAIPVSELQHQAPIYVQPPA
RGASLTDATSSDAAGSGGIGGQTELVSPTSTRGASLVSPSSREASISMPKSWGASTSQDQT
IIVATVAVMALLVGALSARRLRKSFSLACIENEAELEDDVAYDDAYTTTTAAASGAMGND
SYNTFGGWKGDLEKFDV

>comp7424_c0_seq1; 398 32 1681 LEN=1681; translated
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SQYLSLSWSYGSQGEYFMQRFITKEPANLYYGQNPYPFNTSEDFRFRNWMSHDLVTGLV
GDRIWASYATSLNKWKNPSEGLVQSVDCWVVVENFRETLLNCLRAYETKGGGLVDWSLPTV
SNLVRQE QEFQKAENERHNSRRLYTNSKDKNDALHDPKSKHHSPCAMYFDNSTEHLVQDG
KEAFVYGLFGYKGCCEPGNSFLGARTASAVDEETTNTGNLPAPPNVWSNPLEIALSLGL
VAVALYFGLARRTTGRNTTSTTQNSMVVAAGSKSASTDSEEREQELQQFLPKTSSASAAR
KETGSAIVPTAVTRRSQQDGRTHVGGPSGEIVWAEAWRRATRSSKEQVFPWLSGPGRAGR
YKPVSV EATDHTDR TALLL GWSAGPRLELARHGWCTSTDWCCTISSNKEKHL SFVEGRCD
TPPPTVSPSX

>comp7426_c0_seq1; 430 237 1442 LEN=1629; translated
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LAEMEFHKSTTGPIEIKIHEIEKTMNTIMGQNDATVPAAITSAYELAKTRLSLRLFPV
RFDDNDPYASNKLSWSQTMHTVHNELLCAIANSPGWPLRIPNAEEVVQIAIQRVVEILKE
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>comp7427_c0_seq1; 634 266 2523 LEN=3506; translated
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LFNGDLADRGEHGV EVICIVCALKLAYPEFVFNVRGNHEDLALAIAYGLAAEITRKYGAG
CRKVLRLPTLD AFFRALPLATVIERDALIVHAGPPPPSSDGSGLADLLLRDHPILTGCLS
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GSNRWV PNISRGAGYKYDASVVRNLLNREGLSRMVR SHEPVRDGCVRVIDN SSSYNSSC
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SSVTEENSRESRNATREYACAIDSDDIRHTLLEALRYNR T AIRNSLRLASVKHQ TIPFET
VVDIVIETLNLGNEGNHLKQIGAKTTLAKAMGIQCPDTELPPEHVDVDRCFEVLLANPTD
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>comp7429_c0_seq1; 329 202 1329 LEN=1961; translated
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FEVLVEMIAEEGSNGYEGIILDSGCGTGKSTKLLASSIYPQHLVIGVDRSLARLTKTKDN
RQGGGQSGNNDERKGGNCENSPHTDKREAYCHRLSNNAYLVR AELVDFWRCCIEHGWTTE
DEKGGDNL SKISHHYMLYPNPYP TKARLSSRWY AHP SFPLI LKLG I QTMVIRSNWEGYL
KEFSQAI VMANAFYVGHSD EDSLHGGSNLALPYI SSAKKGPTERTDKAMAL TNFESKYDN
VGESTYELILERAHT

>comp7431_c0_seq1; 1268 262 4855 LEN=4910; translated
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GMI SGTIHPHCSSAIPDDGNVAATHITVGGLSMKMTGALGTDNTKTAVNRNNSRVVQPSL
HCLDLWQGLRVVSR SFKATNHKSN GNSQVGVTCMATSHDKG SVVAGCTDGNIRLFDGSL
RELATVRSHLGGVSSIAVSPDGNLVATTGYSSRACPKNSIDGMPFCSSLYTFPDPTIYVY
DIRYLGRGGI PHPFSGMKGT PRHVC FVPDMEGCASNRLLV ASGKNGGGMQIMT PFEKQNE
NTISFSLPPLQRESITAMSKPKKRELALGTSMGRVMEYRLTGYIENKTIRRKADLAMP
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PVVDFLTRFSGIVEEDLDVARSKHRIISTR SAYLQLRYLLDQSCIFVGHGLKQDFSTVNL
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>comp7434_c0_seq1; 189 1 869 LEN=869; minus strand; translated
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>comp7436_c0_seq1; 551 323 1663 LEN=1892; translated
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DTNMSTTRTTTPVGSHTYQVSVGVEQGFRSYMEDEHYVSNDGFAAVFDGHGGGKVSRYL
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DSEILKISHWSFQGSTALVWLHEKQEERNTGDDNMPDTPQRTILANIGDSRAVLCRDN
KAWDL SRDHKPNDPTEKSRIESLGGSVIWCGETDQFGAPIEHQGIYRVNGNLALSRAIGD
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>comp7437_c0_seq1; 437 11 1362 LEN=1910; translated
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EFRRGVERANITCLAFSWDDQW IACSSDKGTTHIFYLDNESSGLKDKDKDNSSKSKGSIF
ASTGSSLLSSGSKLLMGSFSSSTAKSPSKSVCQIRGVPHPLACAFIGDAPHLIAVAGWDA
DGNGVLLVSEFAAHQEARRVAYHVLVKNASTADETEEERRRRRARGWVPGDETSKNGSGH
DFSENNPRMHFGHLQISDEMAEESH RFQTQTTEDDFC EVIVQPRQEP I IEDKPPINPSSP
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>comp7437_c0_seq2; 473 399 2171 LEN=2719; translated
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HRVLIWDDHVPKEIGELSFQRQIVLRVKLRKDAIAVALRDRVYVYHLADLSLRDKIYTADN
PYGLLSLSTHVQDMVLACPSVTTGHV RVELYGMKRTMLIEAHESTLRALVLTADGSKLAT
ASHKGTILRVWDVATSQNIHEFRRGVERANITCLAFSWDDQW IACSSDKGTTHIFYLDNE
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LACAFIGDAPHLIAVAGWDADGNGVLLVSEFAAHQEARRVAYHVLVKNASTADETEEERR
RRRARGWVPGDETSKNGSGHDFSENNPRMHFGHLQISDEMAEESH RFQTQTTEDDFC EVI
VQPRQEP I IEDKPPINPSSPLSSSNTQQDLEEQQTSPSSSEKGT EQKTS SDGDASNGIDG
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>comp7438_c0_seq1; 254 250 1431 LEN=2591; translated
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ILD RYFYLLFY SMFLPLDERWSLAAVLKPRHANATATATKSIREKNVF INPATVALKML
VWVIYFDAGSGKYMDPKKGW TYHADPLPALD TYARHTVPAQHLYGMIGPEGLRLMTPLVV
WVELL CAPVALAGSYLGS AKTVWFAIGVISMMHLGISLCIRNSNLLSYVACCAWL VFLPL
GWKNADR TNGDITHDRPKKRDSGATTTPIRAQLFARGPTSVVTWVMVTAMVGN IWFETI
APGCTTESSRLIWSTVFQNRWNVFIGAEEVSLH

>comp7438_c0_seq2; 249 250 1857 LEN=2432; translated
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ILDYFYLLFYSMFLPLDERWSLAAVLKPRHANATATATKSIREKNVFINPATVALKML
VVWYIFDAGSGKYMDPKKGWTYHADPLPALDTYARHTVPAQHLYGMIGPEGLRLMTPLVV
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GWKNADRNGDITHDRPKKRDSGATTPPIRAQLFARGPTSVVTWVMVTAMVGGNIWFETI
APGCTTESSRLIWSVTFQNRWNVFIGAEEYVTWEIAPGRLQDGSVVDVWGQTDIVNWNMP
GSGAPCTSTSRPGRWRSFPYLAELDGEAEALWGYLCQEWDRNNGVSENKNPGRKLLRYN
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>comp7439_c0_seq1; 524 29 2121 LEN=2793; translated
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TNKIEGSLEKSRNEMTLGYTNEEGEFIKASSVGLRTVLRTPAPSESTRKSAYDGLRSIGAF
VCSNGFLEIVRLRNKLAHLLGFEDYDYTVTNAEGFSKSKLFEILDGLEEGTRPLMAKAR
KDLEELHGVKALDPWNTSYMMAGSVVKKMVS LPCVSCLLGHRI SLLLLLKHVNPESGKKKN
IENTCEVGSHACYHWLSPFVDPYFPFSKSVENYLR SYAAMNIGYSNATMTL DLLDRKNKY
SNGFCHWPVPAWIKPDGTHVPSQTNFTSLADPAAVGSGLTALNTLMHEAGHAAHFANIAQ
PSPFLSQERAPTSVAYAENQSMFLDSL VGDSAWRAKYAKDLQGTPIPFAIIEEDIRAKHP
FAVFQLRAMLSVSYFEKALYELPEAELTAEKVQSLADEVEIRIQGGLGARPLLSVPHLVS
DEASCYYQGYTLAEMSVHQTRKYFKDKYGYIVDNPVGP TLTESYWKCGNSKPF LQIVKD
LTGKELSGDDWVDALKEDLEEHIAQERKEYDGMISKCEASSAEKDGEEPLDLAMTVKFV
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>comp7439_c0_seq2; 615 29 1966 LEN=2638; translated
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TNKIEGSLEKSRNEMTLGYTNEEGEFIKASSVGLRTVLRTPAPSESTRKSAYDGLRSIGAF
VCSNGFLEIVRLRNKLAHLLGFEDYDYTVTNAEGFSKSKLFEILDGLEEGTRPLMAKAR
KDLEELHGVKALDPWNTSYMMAGSVVKKMDPYFPFSKSVENYLR SYAAMNIGYSNATMTL
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AAHFANIAQPSPLFSQERAPTSVAYAENQSMFLDSL VGDSAWRAKYAKDLQGTPIPFAIIE
EEDIRAKHPFAVFQLRAMLSVSYFEKALYELPEAELTAEKVQSLADEVEIRIQGGLGARP
LLSVPHLVSDEASCYYQGYTLAEMSVHQTRKYFKDKYGYIVDNPVGP TLTESYWKCGNS
KPF LQIVKDLTGKELSGDDWVDALKEDLEEHIAQERKEYDGMISKCEASSAEKDGEEPL
DLAMTVKFVDGDHVISDSSQSGLLSACKEFEAFVAARVAAKASS
>comp7439_c0_seq3; 264 191 643 LEN=1315; translated
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SGDDWVDALKEDLEEHIAQERKEYDGMISKCEASSAEKDGEEPLDLAMTVKFVDGDHVI
SDSSQSGLLSACKEFEAFVAARVAAKASS
>comp7440_c0_seq1; 533 1 1418 LEN=1602; translated
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GIDDWVAASYGYGQICH AIDQDDVDYVFSRIPSVFVSVHRYSSHTWYAGFNCRSDGTGFQP
RLF LDATCTTFSTTMNEYYPFGSDTGEDQANQDYTTQV ASDQTKYMVQNIQDTLEYAQC
EESDFCDTVLGSSVEVTT CGNGDDDAANGRNLAESGNAYQIEYGASSSIQNACPSIKAS
MGLGEDYDYTSYQLEWLAVLWSNTENGRQAPDRSRYP SRWVYPAACLLAGAVSVAALFLL
VSRARAKNWNKAGCSGSESDSSGKKEPLVGNHXPPPPPPQRQLGGLHGPQRDRVQVLGA
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>comp7441_c0_seq1; 609 55 1320 LEN=1530; translated
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FSDEETEEDKTPSEVWADNYDPEDDDDYETKKNRYDNLASARMALSLSSVLRE PACASLS
LSEISKRR LACYGKAGGEDALRCAIKAIEIASTGFWRDEIELECEESP KVPDPNHEKNAT
APGLSHPDSLKLRPIRVSELCLRSAYLHKGNALAALGREAEARETYLKVMPMLEPEPRCG
RLDWERVSIYVNVGNTFSREGDFEKADEQYAKAEALGREHITASEGNQIDGMGIVVIAMR
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>comp7442_c0_seq1; 368 119 784 LEN=1008; translated
MFAVAVIAGCRQSVDAFSTVRRSVDHVGN TLQPRTPVTLFGILDDLMEEEENSCEEEEGK
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GLIEEVKTTAAMEAAA EKAALAKAEKDKELRTEAEQAQTAINASESKKLTNADLLKKNQ
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>comp7443_c0_seq1; 267 103 1130 LEN=1130; translated

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ERALRKEIEKFDKMTEPWDCYVIVTNEVSGTHAHDHVTRKFVDAQGWFNQYVAKRAEA
VVMVCGVPNIVRGPLSKPSLSTAVRASGGLAAPTLEAQRADMLDHYLSKRSIAMDPKG
YFKFRIDRDKKVI FASYHSCI INEKGEFFDLHGNRLTCHGKSPEPVRTWECRTAKELTTE
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>comp7443_c0_seq2; 46 715 1343 LEN=1343; translated
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GPLSKPSLSTAVRASGGLAAPTLEAQRADMLDHYLSKRSIAMDPKGYFKFRIDRDKKVI
FASYHSCI INEKGEFFDLHGNRLTCHGKSPEPVRTWECRTAKELTTE LLEKWDMAKVLV
VGGYIGREAQKAEDALYTGETTDTKTRX
>comp7446_c0_seq1; 481 64 1072 LEN=1072; translated
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SDRVEGATNMVDAIFSPMLKLLGAGEAGEEEEEQDREGGQLEVVVAEHDEAEAEHHRP
ANNEDPAAEVEVPPEDAADVETDDGSSQGTEYEDEEEFNPFYAFIKSLPHYDDVKSLCPAD
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>comp7446_c0_seq2; 623 64 1356 LEN=1615; translated
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LKKAVLVDNSPHAFGYQVNGIPIESWFDDKNDTELLKLERFLRTLQNVEDVRPVVRRTF
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>comp7447_c0_seq1; 521 1 1746 LEN=1876; translated
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VSLVGTYYIESYSTVLHSLLEVS DHYGYGKTKSEM VHNLAGVLGFFLYVKANPAGQKSIVMV
EVIWTCLTF AFLIIDLMVAKRMKWFDDFWKGILRSVAMKNWEAVWLVLKTAAPLSMGNII
MTVEWELLAI FAASMGGIQVAANGIVGTIWI GILEYATACVASAGEIRVAKLLGNGNPRLA
KLSAYKCLFLGNAFASIMSLFLVGLPYIPSWFTDDGELHGLVANVLPYCAIGNLTLTIG
SLAWTLVGAQGRYSVATFHGCGISLLITIPCAALSTYRLGWELPSLAASVVI GYMTSGAF
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>comp7447_c0_seq2; 644 1 2427 LEN=4518; translated
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VSLVGTYYIESYSTVLHSLLEVS DHYGYGKTKSEM VHNLAGVLGFFLYVKANPAGQKSIVMV
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KLSAYKCLFLGNAFASIMSLFLVGLPYIPSWFTDDGELHGLVANVLPYCAIGNLTLTIG
SLAWTLVGAQGRYSVATFHGCGISLLITIPCAALSTYRLGWELPSLAASVVI GYMTSGAF
NSITLFLSDWEYISYRVMIKNGATEPVEEDEDYEDQDEEPRWVFNFMKTSSLDGNDSHR
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>comp7447_c0_seq3; 644 1 2427 LEN=4655; translated
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KPFWMEAFVSGICDVFNTALIGKVLGVDSLAIIFYIVTVPTSFTETIIGAVLETVSSLGGQ
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VSLVGTYYIESYSTVLHSLLEVS DHYGYGKTKSEM VHNLAGVLGFFLYVKANPAGQKSIVMV
EVIWTCLTF AFLIIDLMVAKRMKWFDDFWKGILRSVAMKNWEAVWLVLKTAAPLSMGNII

MTVEWELLAIFAASMGGIQVAAWGIVGTIWIWILEYATAACVASAGEIRVAKLLGNGNPRLA
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SLAWTLVGAQGRYSVATFHGCIIGSLITIPCAALSTYRLGWELPSLAASVVIQYMTSGAF
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NTNRTLLVDTLTRNTSSLSVEDDGSNSASSKRSLEARNYENGPVTNTSSWWASLGVDQSEV
REVLIGPGKLGTYTIQSTKRGPMIVRCPKESNQSFIGPMRGTSHRGRRAI I I SGDLFLGDI
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>comp7449_c0_seq1; 361 167 1399 LEN=1770; translated
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PPPSTRSRMRSAAKRVSGNKTTVETSITDKKRVSRRGGWFSFLNPARSSFFQKLCDDTFD
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>comp7450_c0_seq1; 204 192 512 LEN=1046; translated
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QEAHYHFILECNKQSTDALRASLTMVTPPAYLERNIYVDFIDISS
>comp7450_c0_seq2; 184 240 449 LEN=1030; minus strand; translated
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KFDSLEKLT
>comp7451_c0_seq1; 251 89 547 LEN=1077; translated
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DRRAVWYEINGVGKEVTNVCTNNDKLTDFGIFRSCNSQNCKGFPPQMVVTDCAADESN
QYSFLAKNGESYYIHVRSDVVFEGEGSDVSSV
>comp7451_c0_seq2; 236 275 795 LEN=1000; translated
MTITTTKEFAVLGVTVVEQSGTKSMELEKXTVNVCTNNDKLTDFGIFRSCNSQNCKGFPPQ
QMVVTDCAADESNQYSFLAKNGESYYIHVRSDVVFEGEGSDFTIWIYTEVADDVTSTPETL
PYTEEQTESTNATSTSEEQTMSTTSGESPKTFLNVGISSMIAGFGYGLLSLL
>comp7451_c0_seq3; 307 89 751 LEN=956; translated
MNRLISILVLLMNSGVFVFARPSNDRCIDSLVESEKVNVDNSNANYDYNQGVCGPRS
DRRAVWYEINGVGKEVTNVCTNNDKLTDFGIFRSCNSQNCKGFPPQMVVTDCAADESN
QYSFLAKNGESYYIHVRSDVVFEGEGSDFTIWIYTEVADDVTSTPETLPYTEEQTESTNAT
STSEEQTMSTTSGESPKTFLNVGISSMIAGFGYGLLSLL
>comp7452_c0_seq1; 244 268 1227 LEN=1562; translated
MMTNTNKIVLYTFPIPKSYSMTPFGLKTESFLRANDIPYEKVYTTSTFGNNGTIPYLRIF
SSDDESESSFEEIPDSNAILSRLSKDPREFIRSDANLTTEQKAIGHACLRLMEEHTSQA
GFYFRYALKMPEFCEATQLRERVFMDGDESKLGNFIYNQFKSKMPGGWMMKAKVRGFRYS
SPAVVWAMTSEDLVLEDLLSQHVYFFGQSHPGTLDCTVFGHLSQFLYIDIDFPQKKYK
ESCPNLLRFMEHFKTTHFPDWETLCLKQPNDALDPDNPRMKALAKMKQKAILVGATALLA
IVGVGGRYFSSVFSSSQEL
>comp7453_c0_seq1; 638 1 1851 LEN=1971; translated
QQQQQQPYNQRRGVFLGSHSTPKKNNVFLSPVPSQTSFNPKTICSVPLSNNSPVQLQIL
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ISSNDHPSQQNSAPITEAPKLNKNSLQPETAIRPMPFALESKTSQSRGFQSI EQQKKK
VEKQNSQIEMLREAYI I SSVSPKASCTSKNVNIADRTMITATPGLKSNRSGNSGMKHQLV
SPLPMQVPTSEPKVVTPIDVSVESALQFCKPREKGVVNNIQSSSEAVTLDSVTSNQMM
MDCKMSHTHIPNFLAGFDKVANPKMNHTNPIVTNNQLPELSPAYYTSKSFDDFHRFLGK
GLPPGVSTSIKFPDLEPLNVTKQGPLVSSNHSADVLKSSLQFKPRTPLNLP SAANN TDG
TSSGTSEERRICYGMPPLAADFKEVTGMFPDKKPPKLPQTEGVRNDVNSSRHSRMRADHSPNN
VVLDPHAEHLRSRSSFPAELQPPQGAEDNPSDFRIEDIMLEEIGAIGGSDPDATPYPHTM
FGDGSIVLDSGAPASDGRPCSSDAYSVSGGGIVSDESIGALSEGSSRIQKRKRDVLPEN
DLVYVTRKERNCIYGL
>comp7454_c0_seq1; 375 146 1447 LEN=2033; translated
MEDSGISVRMGSKIAEGGFSVIFHASDTASDASPSQKYVLKRICCHDGESRSACIKESKV
HYAIMREQKNNQHQSSKIIAAGGGMGGMAGSTTETIRSSLSSHIMPLLGMTFSENNTIC
YMLFPFLPDSLRRREVDRIIFEPMEEAIGNGNKNGSAMTQSQKNQKTKDTLRMPPWSETA
VLRWFEQLCDAVILMHADAGYTHRDIKLDNVLLQSAATQQTNKRGNNDSRSGVVLMYDYGSA
GPLTRSLASRRDVLEISDEASQHTTISYRPPPELFAGELRVADTNTNAAISKDIDGDDVFD

PESVLDYRKVDSWMLGCTLFAIFFGASPGESEFSRSTGQLLIVDPSHNKMLGQMPWPDE
ETPSSRWYSSDTKELLDWILTKDRGDRPTVKQIRRRVREILSQKPALFAGDGGIILDVES
QMIDMTFSTKNML

>comp7456_c0_seq1; 404 84 2021 LEN=2378; translated
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HKRTNKMSPHAVHIQHVDGGKLGSNVIRTGRQRMGRNASFYTQRVMASLTMPPEGEKYASN
PIIMRIMNMFERNENVEYLRGKLFATDLFKLCQKVRQILEREPRVVYLQSPCYIFGDIH
GNLEDLHFFSDNIWRLGMNLTAGNFLFLGDYVDRGMNCLAVVAYLLAMKLNPNQKVFLLR
GNHETRDVNGWEEHYGERSFIWQCQDRFDRFGGDIGYRIWEACNQVFDRLPLAAVVDQDI
FCVHGGIIPRPVCMGNPRLRGASTTRIQDILNVPKVAGINPPYEHEDDVYQQVASDCIWS
PASEEQERISVDPHTGYGESLRGGGAI CFGNKAVTDFLQEQGFSYIMRAHEAHAEGVAVS
KGARVFTVFSSTKDNQGSQALAGCILVDDDLQVINRSPAYKNQYVHRRDLSLSLQTL
LEIAKRIKLGVLTPDDTADYEQSDDESDDQAAEEQNPGVASTGGSDDDSIGLPVDDPYG
YRELLGQQGKTQQEQQYTFACQGRSSIDLQSMSTNLHDSQSEINMELSASSIRMGSSSR
LQESLRSNNDIHQAVAEGEDNNEDEDSTVNGDDLADADVSMEN

>comp7457_c0_seq1; 1202 93 2627 LEN=3087; translated
MSWLWGTKKDDSMEEDELADEGIQSEEEIHTDSSDESEPEDHSVDGKVTTEETVDDYD
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DDETVARVEGGTQENRKTDKVDENETSHPPVDDTDDDDDDGDDDDDDKNGDPVTSFWEK
SLLVLA AEHDRV DILKLLKEENEKDSLLNTGIPPLHLAITFGSVNTAQSLLRMGSDPS
VRPNVDVLEERSQPKDSKVDIANIRRFDNVTAWELAFGNALYDEKSMNSKSSGWSMF
GSTMSGESEGMNEAAPTAKSTNGAQTIVKPVDMAPSKREGIRHAFTAALRSVGGDEAHR
LKQLLD SGMP SDIDIGGKDLYGWAVDMGSLKCEELLRPDES PDQDGGSTNASPGDDAPS
DLSSSFVHRPDVQETIPQLKNRLEDELSLSTCLDNLAEEVSVCHGLLLMGGGASA
LASHVRSRLDLKEQKLYEMENARLECQDAERELADLVHSSGDIGKEIDHIANFNFLNYGV
EKNAGVHTSHIKLQONENDSDGDGAIDDP SINKEAEAEAEKLN IKAQIAAIENKIRKLRA
SITDLSEENTRDLAEVQRRGLEGGINLVRGLREELRDFDFYLSEARSMKAVCKSKI SMII
AHVSKKNINNTEGLDKVPVARRGTTNHSVGYDVRNDATIANDATIGSKSMDYSTDEDD
EIEEAVLVESPSKIDALQKEESSKETAFDSPKMQTPIQVSEEKRSQESTVNNVDSSTVDG
KSASQRISSGESREITVIHPGNKGLFTVDLWEVILRIIGFESAANRRSLENKAHHSSTT
VMI I

>comp7457_c0_seq2; 1069 93 2740 LEN=3200; translated
MSWLWGTKKDDSMEEDELADEGIQSEEEIHTDSSDESEPEDHSVDGKVTTEETVDDYD
SDESAYDNSSDEDEDEGDYDEDDDEDDSLVNLIESMTSDDDTVDENLEEADLLTSDEE
DDETVARVEGGTQENRKTDKVDENETSHPPVDDTDDDDDDGDDDDDDKNGDPVTSFWEK
SLLVLA AEHDRV DILKLLKEENEKDSLLNTGIPPLHLAITFGSVNTAQSLLRMGSDPS
VRPNVDVLEERSQPKDSKVDIANIRRFDNVTAWELAFGNALYDEKSMNSKSSGWSMF
GSTMSGESEGMNEAAPTAKSTNGAQTIVKPVDMAPSKREGIRHAFTAALRSVGGDEAHR
LKQLLD SGMP SDIDIGGKDLYGWAVDMGSLKCEELLRPDES PDQDGGSTNASPGDDAPS
DLSSSFVHRPDVQETIPQLKNRLEDELSLSTCLDNLAEEVSVCHGLLLMGGGASA
LASHVRSRLDLKEQKLYEMENARLECQDAERELADLVHSSGDIGKEIDHIANFNFLNYGV
EKNAGVHTSHIKLQONENDSDGDGAIDDP SINKEAEAEAEKLN IKAQIAAIENKVALSG
AGPXL SFDRFEECRIEIPLF TYLRAFVFCRFSGSYXASITDLSEENTRDLAEVQRRGLE
GGINLVRGLREELRDFDFYLSEARSMKAVCKSKI SMIIAHVSKKNINNTEGLDKVPVAR
RGTNHSVGYDVRNDATIANDATIGSKSMDYSTDEDDDEIEEAVLVESPSKIDALQKEES
KETAFDSPKMQTPIQVSEEKRSQESTVNNVDSSTVDGKSASQRISSGESREITVIHPGN
KGLFTVDLWEVILRIIGFESAANRRSLENKAHHSSTTVMI I

>comp7458_c0_seq1; 61 1 619 LEN=619; translated
PSPSPSPSSDSWLLVDRNDHALGVLDRLKLDGPGVRS AALLYGSSHCPDLHRKLAASGF
RATDKEWRTAWSVREAAGPEAGGTEPLPALGAFLVAYLVV GALDWAVLGDTCSSLLGGD
GLGAAVAVGLYLSRHVLLYLGLSRFLIDWAGADGEKARRRGDATTRRPRPPPFVGRDEP
TGSAAAAEAAERPLPKNDPLPPPPS

>comp7458_c2_seq1; 241 202 1333 LEN=1333; translated
MGEKTGVRNPRWLLGWA ACTAALGSIAAADALMLPPNSLKAKLGRMPSALLVSLSSPPP
EQPGR TGLEKATQRKRQRPAP EQAAARDPSCYVRWNRKGD LWQMOTALTTFRRGSDGKVV
ELHAQQHFGEHYFRYWN SDVRFNDRHDCVLFELLVDEDLLEEGRGGDQRVTKPVMASES
DERLGRNLDLVCQASVLDYARSDKWVHADLSSQEFRGKVASRQTS GSSNGDKNNHQDETT
PLWKLASAGSSSAAAEVAALVAGPPALELAAGSPRKRRLFTNLFLPGRLASGM RALLW
TTVPSPELSVLLDWSLLGGGSGPGALSSVALPVLTSLARLDLGRVRRFLLGQQVLVSS
RTNAGPDASAASPSPPX

>comp7459_c0_seq1; 697 1 1936 LEN=2203; translated
XVITERYISFHEKIKVSVYFFRSPLPPLEDQTNRFWRWRKKILLELRLRRRLPRKKNLNS
TKVVSEKVENEERKRVAIADAIAVAAGKDVRENRLERRADGNAKKAEDTALRPKTVILP
VPXSSSSDDSDSSIDEKKRRRTSTKSNVVLNKKLLAKLDARGETLEERKERRAQKRAAKI
QARFGYTAEDNPNFNDPNLHETFTWNKKKEATKTKNTMSNDNNPKIEEIEIETIRRRRKERE
LEREEMDRLRAEESRMKELENYDDWAKKEEFHLEQQRKRSAILRVEGREKPV DILAKNL
LIFGLTEEEKKQRAAVKYQERYNALDELQKLDAAELEEPQNI V GILKLAELQELLGDIEAF
RLLEKEAMGGSGSSTITLYWDALALVVKDEIEFLRNGGEESRYAKKVKGIKDI FRGQSRS
DLTKMEEEEIKGKVVKSRNEGWNDSGGANDISYWNSVLKQLSVHLAKMDLSKLSKMLVRQ
LEQLESRKEFLSKQQRDVESIKTQHTTEENSNDMGDQTSRSMVPKNVDENFGNLEEEELGLS
DEVALANGGGYSWQDRYAPRKPRYFNRI RTGFDWNKYNQTHYDTENPPP KIVQGYKFNVF
YPDLDVPTKTPQYFLERADTDDFCILRFHAGPPYEDIAFKIVNREW

>comp7462_c0_seq1; 293 125 937 LEN=975; translated
MTVPKLCFQLKLLDTSHKVPSSEKTKLRTNMHSFSQIANVIVSSKEKKMKRKDEDRYSKK
DMIKNKSNGNQCLLSSRGKSQHFRGGIPRFSSAGIESRVQIESPCPDAFLDDNSSATTS
TSNLTETIEKLVRFNKKCYVRNTTSRHNYTIQEIDACWFTDEEYCDIRDECKEIKQVLER
GEELCSTDSCVRGLECRTMSALS IKQEIRFDAMCTVLYEQETGSSPERIAREYAHMSHMS
KLRARHVGRKDEQEANTGFRSSIERKFDEK

>comp7463_c0_seq1; 114 1 1137 LEN=1338; translated
XAEDSPEPWSAPLLVRS DGPENNPPEPTERDYHLIVAADGMNSVLRKTYGGHVAKRRRRF
LGTGAMGNESDGLLDLPGDGTTEDRWDVTRHSEATNIQDRHYHVFRGNSTVTRDEVEGLG
XAFQTWGESCNMRFATVPMEFPLPGGKTREMHTWFITIDDESISSEADPERRKEKLLGAF
ADWHDP IRQLVGATPAAEISMERAVAHVHSCEPVVNFRRVVEQMRGVVFPSPGSRGPVQF
VGDAFMTVDPILAQGFTIGMEGAAALAESLERCLRQDLGGATGPPLGQSGGRLAFSPRL
VRKELLDHRDRMDRLICLLRSSELVQALGQPTKGSLSGWISRWLVRPAMRLAPGFAKTP
FFNRVMEYSLGLHTGGQNK

>comp7464_c0_seq1; 240 1 1273 LEN=1273; translated
XKVQGGQHTNTGTASAPVRSATTSNANPVPSSQRILLALLAVATALAVSASTEASKAGT
PPASVPSGGSGATENQWFPVRES DGGEPLDPQPLRLLVKILASALALAIALRSEPSDK
PPEGVAPPEPLPAARGGLPENENKAEPGEARGEQGEANAQAIHPNHRVPSEGI PGGGDST
DEPTEADHGEAEDTPPGDPSPENPEEETRSATTPRSTSVVRGQVRELKQQMHTLSTMMER
LQDKLDXVQDDGDGGRSRGHTNDSSERTKQNDHGT DARIRDLSDTRHRISGVTNERNATQ
RNAATQCKPRGPATGRSSRGRNRSIDRGGLVEGLAGTPTATVPKGKPVGSVFPVGLPTGG
FSGADRPTDRSRCDARAGVCPAPAPKKHRGEPKRKRSNTGTREDIPQVRVDIEETS LFI V N
KLVVS

>comp7464_c0_seq2; 221 1 1252 LEN=1252; translated
XKVQGGQHTNTGTASAPVRSATTSNANPVPSSQRILLALLAVATALAVSASTEASKAGT
PPASVPSGGSGATENQWFPVRES DGGEPLDPQPLRLLVKILASALALAIALRSEPSDK
PPEGVAPPEPLPAARGGLPENENKAEPGEARGEQGEANAQAIHPNHRVPSEGI PGGGDST
DEPTEADHGEAEDTPPGDPSPENPEEETRSATTPRSTSVVRGQVRELKQQMHTLSTMMER
LQDKLDXVQDDGDGGRSRGHTNDSSERTKHRFRDLSDTRHRISGVTNERNATQRNAATQC
KPRGPATGRSSRGRNRSIDRGGLVEGLAGTPTATVPKGKPVGSVFPVGLPTGGFSGADRP
TDRSRCDARAGVCPAPAPKKHRGEPKRKRSNTGTREDIPQVRVDIEETS LFI V N KLVVS

>comp7465_c0_seq1; 244 244 815 LEN=910; translated
MVK SXIYKILSVSKESKEWENNRVCDAPGSWYCPGQYPPALEKILA EK R DFDQLED FNR
EGGDDEYQKQYFENLKKKGRPPPEDKPNFKRIADRIEE INKEWSDTPQTGLLWQTIKNG
EVDEFMSLLSSFPEVAHVRS SDGRGPMFWAHEYGRKGMVLVLRKLGVKEDQGDENG I KPA
DISHSSIKGI

>comp7465_c0_seq2; 905 315 3278 LEN=3373; translated
MTATSTNASNSDAAAGMGSVYVLSKPVLSAVYVAGFLNVLYKTLVESYNIRMYALEEY G
LVIHEFDPYFNRYAAEYLWSNGSSRFFKWFYDMSWYPLGRPVGT TIYPGMQFTSVWIKMF
FLPDWSINDICCYVPVWFGVLATMTTAAALCYTAVSSIGKTSRSKSLTLDIPVVSQ LTTGI
VIPLVRIVEKLLIQYTGSNWGLASQKNPPALEAATFTAMIMAI I PAHLLRSVGGGYDNES
VATFAMQLTFLCWVCTLSSANTRAIAFGAFSGVMYFYMVATWGGYV FVINLVG IHALVN
LLLRLKLPFDHLYFSYTSFYTVGTF LAMQVPVVGWTP IKSLEQLGPFVGVGMQALMLMKL
CEKKFPDMNKWTVRAGVAAA F G I AALPVVIYLFSTGYFGPISSRVRGLFVKHTKTGNPLV
DSVAEHQAASSEAYFYQYLVVVCYLAPLGFIVTLIGCTPASSFLFVYGIAAYFFSLKMVR
LILLAAPIASICGGICLAYVWAWCIGGIFGDHRPTLESILSQEIAEPEAVVSEPEADDSW
LDDVVPDTKKKKKKNGKSSKETKKKPLKKTEAVYSKTTKP INPSDPLWVRCVRVGMGIYL
TLNVMPVAKNFDDVCHAI AKQI SHPTIITKGTNRHTGEVVTVDDYREAYFWVRDNTPEDA

RIMAWWDYGYQITGIANRTTIADGNTWNHEHIALLLGRILTGPEKDAHRIARHLADYVLVW
AGGGGDDVAKSPHLKRIANSVYRGLCSEPTCRSFSMKRGGVPSKQLGESLLYKLI SNRIV
DGVEADPNRWKEVFRSKYGVRIYKILSVSKEKEWVENNRVCDAPGSWYCPGQYPPALE
KILAEKRDFDQLEDNFNREGGDEYQKQYFENLKKKGRPPPEDKPNFKRIADDRIEEINKE
WSDTPQTGLLWQTIKNGEVDEFMSLLSSFPEVAHVRSDDGRGPMFWAHEYGRKGMVLVLR
KLGVKEDQGDENGIKPADISHSSIKGI

>comp7466_c0_seq1; 455 53 973 LEN=1135; translated
MAPQSENETGPDLEISGGDNDAISGGAQLKRKESIFASRDGHTLEFDDILLSTKSKNPE
KSPPKKILNGLSGSFPPKTLTAIMGPSGSGKTSLLKVL TGRMGDSSKLDLSSGGIRLDSKA
VDPTNIAIRKQIAFVEQDVTIPATCTPREAMTFSARLRLDKSTTDKEIDDVVNDILENLG
LQHCADTLIGGGPLMAGGLSGGEKKRTQCGVELVTNPEIVVLDEPTSGLDSYSAQSLMDV
LKKIANAGATVIVTIHQPPPPVVRKIDNLLLLLLKGRLLYDGCMPPLEEEFTKKGF PKPD
DYNIA DW

>comp7466_c0_seq2; 479 53 1055 LEN=1055; translated
MAPQSENETGPDLEISGGDNDAISGGAQLKRKESIFASRDGHTLEFDDILLSTKSKNPE
KSPPKKILNGLSGSFPPKTLTAIMGPSGSGKTSLLKVL TGRMGDSSKLDLSSGGIRLDSKA
VDPTNIAIRKQIAFVEQDVTIPATCTPREAMTFSARLRLDKSTTDKEIDDVVNDILENLG
LQHCADTLIGGGPLMAGGLSGGEKKRTQCGVELVTNPEIVVLDEPTSGLDSYSAQSLMDV
LKKIANAGATVIVTIHQPPPPVVRKIDNLLLLLLKGRLLYDGCMPPLEEEFTKKGF PKPD
DYNIA DWILQVAQTNSIEELTEKGF FGDARIEHXX

>comp7466_c0_seq3; 611 53 1930 LEN=2086; translated
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KSPPKKILNGLSGSFPPKTLTAIMGPSGSGKTSLLKVL TGRMGDSSKLDLSSGGIRLDSKA
VDPTNIAIRKQIAFVEQDVTIPATCTPREAMTFSARLRLDKSTTDKEIDDVVNDILENLG
LQHCADTLIGGGPLMAGGLSGGEKKRTQCGVELVTNPEIVVLDEPTSGLDSYSAQSLMDV
LKKIANAGATVIVTIHQPPPPVVRKIDNLLLLLLKGRLLYDGCMPPLEEEFTKKGF PKPD
DYNIA DWILQVAQTNSIEELTEKGF FGD RRKNSAENADVSKDSAAAANMKAALSVERVG
FVTQTVLLFDREIKNLIRDKLSMIRIGSNVVFGLLFGAIFYQVGEASYVLYPEVMASFG
AISNLLISTMFGVAQSSLMFEPKDRPVFLREYSTNHYSVLPYFLAKFTLECFTVLLVVLV
QLLVAFFLMGFQMNFFPFLALNFMLAIASTSIGMFIGSCVEDPAVALEMIPALIVPQLLF
SGFFIQVNLIPFLRWAQYLCSLTYAVRLATLYEFGDCETASCQDLENNGVYQLDSYWY
WIIILLAIAGVFRITSMVILKMKASF

>comp7467_c0_seq1; 151 1 669 LEN=1049; translated
RRLKECVSASKTSDTSTVVQTS LTHQQPRMSPAPLET CGGTTQQQQPSEGALPLRLTSV
VRGYGRGSTD LGIPTANLSREN IKLNLVGVSFDDLPTGIYWGFCRVGDNPTIFKTAC SIG
YNPYYGNQRKTVEPHLIASPGDERRYQSSCGETLLGDLYDQPIRLSLLEYMRPELPFEGL
EKLVA AIKKDIMDAERLGEKKDPTTMEEKAWVACDDEPIQS

>comp7467_c0_seq2; 99 1 585 LEN=1202; translated
RRLKECVSASKTSDTSTVVQTS LTHQQPRMSPAPLET CGGTTQQQQPSEGALPLRLTSV
VRGYGRGSTD LGIPTANLSREN IKLNLVGVSFDDLPTGIYWGFCRVGDNPTIFKTAC SIG
YNPYYGNQRKTVEPHLIASPGDERRYQSSCGETLLGDLYDQPIRLSLLEYMRPELPFEGL
EKLVA AIKKGWFGF

>comp7468_c0_seq1; 747 103 2049 LEN=2180; translated
MLVTTSKVLLTASMVVAHLAIVEAQANAPSRQPSGMP SGMPSSMP SRQPSKMP SGMPSSM
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EAPSALPSSTPSSLPSSTPSRLPSATPSLEPSSLPSSTPSGLPSATPSSMPSSVPTDSAY
PSQEPTIEDRPTVTPSAAPGQDSINNGVASSATGDRALVAGGYRNHASGDDSVIGGTNN
ASSGDRSAVLAGNNNIAAGQSSTIAGGSRNSASSKSTTIGGGAGNTVVGQNSIIAGGNAN
EIGSSSRNGSSRNLAQKDTTSSSTISGGDNRRINSRYCTIAGGGSNKITASSNSGTISGGK
YNRVKNKNGATVGGGLSNKAEGEQSTISGGKDNVAKGTVATISGGRRNQASASFSSVGGGE
DNQAKFGFSVVAGGKSNRAKGSQSI VLGGSSNAEGENSII LGKNNKVEGDHALAFGNK
VEIGTNGDRSAVFNLAGATVSADNEGEFRVVGQMFTI HIEGQDAVTIDSKNVHNLKNLLG
GRSPGPPSPSGDPSGDPGDVFEKVLDDSDSED TDTGDLFRKINNLLVRRNLKIENVPEAE
DLDRVDCHESVQHRLRDQVHRQNIKIEEQDRKIEEMRLMMET FVAGNVQ

>comp7469_c0_seq1; 162 157 399 LEN=858; translated
MSEIVGLTEVQDMEAEVKLLKAKLEKVEKAENMSKACSRIAAAVSSNQENDAFVLTEGSL
PNKFHTMTGSGGEAGCCVVS

>comp7470_c0_seq1; 1287 313 4509 LEN=4953; translated
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NEVQQRRLRRFRRGEHQQAAPVEAEPATAAAGAPAENKSENTKSQPKTFRKNRQ PNA

RFAPMTDAETASLVETIRRISELVVIGERASADVQSEEDKLRALVKQKDDKASESRSG
DSVDEEEKRRREQLNECAKIREKISEKKAYAYVYDHFERNGLSTIADILTGKAFDLP
FFEKRKQTVKAELEGEYKILEESKAEEEEQKEQETSKGLKKRSEAIMKALDTIKESETYAN
TVLLPPLAVAIQGFQSTSILVQNVKRATSLFFILSNHNINQLIGIPLEEYHIAERSKLEG
GNKNSAGTPNLMSPRRFASPELGE LATTFFVSFLKSLAMRMNAETLQFFLTYPADTAIVSD
TDLFEEA QHNIDCHDDDDDEE I PLDE IMSNSRTPKPEL PANRPVAVKTIKVEFPLYERALEF
CAAHDSFIRTTAMNICLNTLRLSTVEAKTKEEEPGEVAEAVNLEAASGSDSPDGLVHNAK
ALPMRERLAI AQYVCTPSRVEKLASPIFTKLAQLWGVLEE QFRDMEIAGKVGQSIGNANG
SGNDDDI PKKANEKIARARELARRKKTGIFNDTSYNLQDELLLLDDMFKVGLTSLNEQV
IEMMFATFAYPLLLQPLLLYFQRSPVAAEVL FADTLNEHSLGSQIKQSDATATEKAVISG
PAKSALFCLAAAFQFLTNPPLRLLF TAVFHPLSPNAAGETMIRAKADVACMGKDG RATI
RIDRFDENGKMFVDQNRETYVFGT VTVGRKEVSGRRSGNQ TGNQDDACVFLAPALSEIFN
FTGQDGLVARSRHN PYRKAIFQCFTLNREVS DLQDLTVM AVYSAVSVLNEKFLVDLLFG
LDIKRYENLPKDKRFD SFRGSS TDSFEDDFDRGMGGT IASTVDSRSLSLGALEGGKIGF
DYMNEVIVSFQRCILNAVPGNSGAWKLN YDLVAANALLTCVRGNSEAIMRASEAIKTRYR
QASIFLADIPATIDTLFDCGRLWNK LKHLVPANGTEEEKNVLYYGAIMDMIARLNNGSDG
APVESILHNMLYFTKGVDPKTGHVSLYVS VSSLCSYNDVGARATACSPLEQGDAAGA AFS
NAVESTSALLKLNLSLVSLINGLVNDK DMLRDQKIGGFIFNGTTELMVSNP SDGKTIYSPI
SDEFDSALFGTESKPGTLREELKPGSV TTLVGMAYPCVCEVPPSMAPLFSEEGAKVVSQ
GVTWQSLYL VIMDEDLVLEPE RRPNGKGRVVTLCRLENLTLDRDPDNARVDT SARRMLL
ICESPDLKPPGMFRFEKKLQPQQLG PFSRCNRWKSSLDIWFEDSNALHAAFTKVFESVVR
AKASRGSRIKYLSGGEI

>comp7471_c0_seq1; 348 510 1268 LEN=1352; minus strand; translated
MNFVRSKIVPFVIGIALSLEPVA AFSTRSHLLPSFRTSSSTTCKNWLGLDWEVIEFSTY
GPSEKVLKARRKQAAAEKEKNDVSN DGDISLTSFRQAKQKYGSSNSNDNRQDPSTSSSE
DDESLSLQAFQSAVASKDEEDKEE IDFDGYKLRDLLVEK WGVPLDIDFQRGSGGNSVYCT
IMPVAFGSSKCRHESEL DYLMHLQAVVEVLQKYNLDPFVFFIKKTSRAPKRGIESVPYL
MDLDSDSLKKIL

>comp7471_c0_seq2; 348 510 1268 LEN=1577; minus strand; translated
MNFVRSKIVPFVIGIALSLEPVA AFSTRSHLLPSFRTSSSTTCKNWLGLDWEVIEFSTY
GPSEKVLKARRKQAAAEKEKNDVSN DGDISLTSFRQAKQKYGSSNSNDNRQDPSTSSSE
DDESLSLQAFQSAVASKDEEDKEE IDFDGYKLRDLLVEK WGVPLDIDFQRGSGGNSVYCT
IMPVAFGSSKCRHESEL DYLMHLQAVVEVLQKYNLDPFVFFIKKTSRAPKRGIESVPYL
MDLDSDSLKKIL

>comp7472_c0_seq1; 137 288 796 LEN=796; translated
MTELSTNKTRLPTRRPKSTTKKSVRFNQM VHVAPFERASPEEANHIWFTNPEIASFKEAG
RKLAVVYRKWGGNLANEHQHEHEQEHEQEQRRESNDNDNLSIYRGFESCTFVRQRRLLS
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>comp7473_c0_seq1; 403 368 1591 LEN=3113; translated
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>comp7473_c0_seq2; 584 368 2608 LEN=2747; translated
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>comp7474_c0_seq1; 850 1 2595 LEN=2755; translated
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>comp7475_c0_seq1; 125 167 660 LEN=1156; translated
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>comp7477_c0_seq1; 307 177 814 LEN=814; translated
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>comp7477_c0_seq2; 615 177 1518 LEN=1536; translated
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>comp7478_c0_seq1; 370 98 1441 LEN=1817; translated
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>comp7478_c0_seq2; 420 98 1679 LEN=2055; translated
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>comp7478_c0_seq3; 420 98 1679 LEN=2134; translated
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>comp7478_c0_seq4; 370 98 1441 LEN=1896; translated
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>comp7479_c0_seq1; 362 50 1651 LEN=1946; translated
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>comp7480_c0_seq1; 651 199 1632 LEN=1679; translated
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>comp7482_c0_seq1; 743 205 2744 LEN=2765; translated
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>comp7482_c0_seq2; 728 205 2565 LEN=2586; translated
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>comp7483_c0_seq1; 417 166 1654 LEN=1772; translated
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>comp7485_c0_seq1; 761 146 3064 LEN=3116; translated
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>comp7487_c0_seq1; 332 41 1155 LEN=1707; translated
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>comp7487_c0_seq2; 466 41 1432 LEN=1541; translated
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>comp7488_c0_seq1; 603 1 1257 LEN=1404; translated
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>comp7490_c0_seq1; 611 1 3486 LEN=5620; translated

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>comp7491_c0_seq1; 1194 189 3956 LEN=4001; translated

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SGSGYTRGIGCQQPTPYWYKEQMKQAE DALLKRETRKIKRRGR TKLPLLSRVKSKVSVD
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DDSNLDDNELLVCNFAIVPRES DLVTLVSSKVPMEQLDKFGIEHDNGSTNMKAFKEKKLD
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DDPIVEQYRGRRQLTVNHA AKFMSYEVGYQPGDRESASHRRQREFYERIPGVVNRNTEL
RSNSEPWYRYSMRHWVRSRWVLHDF TLED SRLLRCDWYQEHVQWGNLDLQLSFAKVM AVR
DLKRR LAHQEPDDR IKS FIEKHP ELHGLTDSYEWHSMETEVNKLYREPTNWD SKPPPSTQ
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>comp7492_c0_seq1; 402 1 1636 LEN=1688; translated
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GLPGCEGFAFETASAEDAGAFFAWFLAKGIDRAGMGSFESDFMHQNANCVREFVEDPVHG
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DMPPIFVAPKSSFGSPGSDLSPSVATVWQECPLSGVVFLGELDKYVALSPKRFRSLDCTK
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IATTE

>comp7492_c0_seq2; 259 71 811 LEN=863; translated
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GDMPPIFVAPKSSFGSPGSDLSPSVATVWQECPLSGVVFLGELDKYVALSPKRFRSLDCT
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AIATTE

>comp7494_c0_seq1; 641 155 1114 LEN=1264; translated
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AKKKQKAAEDRKKKGGKSKR

>comp7494_c0_seq2; 761 178 1425 LEN=1575; translated
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EEENTDEIDKHSKRLARAGRKENEDCKRLLRLMGVPPVILAPMEAEAEAAALCKAGKVWAT
GTEDMDALTFATPILIRKLTFFANQSSKGAQIQSMNYKKAIEGLGLTHDQFVLDLCILLGCD
YCDNIKGIGPKTALKLIREHGSIEKILPVVKDVPKYTVPANWIPDEKDKDETTDEEAEAA
KEATTPAYVLARDLDFHNHEVDTDVELKWKPEQAEELTKFLVDEAGFNPERVKLQIEKLLK
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>comp7494_c0_seq3; 694 231 1370 LEN=1520; translated
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VILAPMEAEAEAAALCKAGKVWATGTEDMDALTFATPILIRKLTFFANQSSKGAQIQSMNY
KKAIEGLGLTHDQFVLDLCILLGCDYCDNIKGIGPKTALKLIREHGSIEKILPVVKDVPKY
TVPANWIPDEKDKDETTDEEAEAAKEATTPAYVLARDLDFHNHEVDTDVELKWKPEQAEEL
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AKKKQKAAEDRKKKGGKSKR

>comp7495_c0_seq1; 493 109 1299 LEN=1978; translated
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STRDGQKSATDTVTSVDSKHRVPTSSIDSSSLVTSEEPVTGGDLKKNDESLSLPYPKGKP
WRVLFPPYPHGEPTKSPRQSLWDFHKRIPSLQLRRAWELYKKTWEDGIQGNPTERNEND
VATKVSSRKGDDGDYLAKETEQQLEIGDNATKNLNAVRKDAQNLLEHAKETTGIYTQ
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>comp7496_c0_seq1; 205 227 598 LEN=702; translated
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NSLLDKMGEFGLNTGDMLQSSSLARIGIMLDTSSGKHMCMILFVVVVVFLYWMMTYKGT
SGV

>comp7496_c0_seq2; 170 227 430 LEN=689; translated
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IKWARAS

>comp7497_c0_seq1; 333 102 770 LEN=958; translated
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>comp7498_c0_seq1; 222 117 672 LEN=672; translated
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>comp7498_c0_seq2; 290 181 757 LEN=757; translated
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SKLSVRPHSSRAVLFYHQHPNGSVDKNSLHGACPVLDQKYAANLWVWNTPRDGFAGSPI
KKKFRNNGASVAAKNLKITGVFSNSGTDPRMDRAELFYRDQFWGKLGKGDVPLKVNTYQ
GHVWNVKVDGNIVX

>comp7498_c0_seq3; 713 69 1962 LEN=1962; translated
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EPEACGESTVGEFLEELLKNFRAYGCKPQLDKYRFEAMLATLHRIMAKNNACHSMETYG
DQTKGLLGICYDSGEDHTPILLDHDKLVPLGSKDGSTSLPCHFHTREGLRVTQAKWFS
DLVRAASSGENKCEGDNATQTCTATPREAHLAVPAGRVFMFAPSHVGEIFHLPHTGASSKA
IYLEVLSLKPRVDFVFNFFSRAESKELVDRAIAETSASHRIKRSTTGAGAASLNSKRTSE
SGFDTHGKTALTIKRRCSALGFDEYEDGFSQGLQILRYNVSKAYNSHLDYIEDRTGELK
HDYDSAGTGGNRFATILLYMSDLGENDGGETVFPHGIRSHIPEEERITKEEALQLRASD
QGSVLEPGSWEEESLVAVCRSKLSVRPHSSRAVLFYHQHPNGSVDKNSLHGACPVLDQKY
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FWGKLGKGDVPLKVNTYQGHVWNVKVDGNIVX

>comp7499_c0_seq1; 833 181 2766 LEN=3036; translated
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LSPSSNSSSAPSELGNRNARALVYLPLCLYTKKDVFIKISYEATGATEVEGVASDVFE
PFEDFLIGNGATNVLRIQAPQKFNGYATLCPAGAMAMLTONPSTGEYCLCAYHNGGSS
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PIVFRGTIVPSQTVTKTLEFLESSLEECTPSTATWRQFRAAKRFLDDAFPRHGRANFVTL
GQVATANGSKRSKPPSEVFNWPVQLQGPILLPELEEYAFEGSAKIEPFATEGDLVGF
SIGYTEGMVDFAVVSPSSFVPRFKFESPNDSDLDQELTIGQTVNRVLDASSSYGGENDTI
KDIQLIPDPIIMDDMIHYMTPNQIISISTNTTRIASKKAREHGSHGGRGMFSPPSRRSES
RPKTTAWNSLDANFIKGGQNPVGAVIDDDVQLGHVLLVRLFDGEMMAINLTETRHLCDL
ENFAAAPEKVLAIEDGSTAAMSDAEQALAVLEQTRPLTDVVQPLVKDVIKGVTLAQAQV
GSATAQSDVTPAVLAAVVGIESKCKDIYLPLMTMNEHVSARKAQFKVVIKQKQLHAL
KEMVANLRERQTIIVREKTDIMLQNSKCLVDRSASVLQSSKDLLPTITQAEFDYFQEI
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>comp7503_c0_seq1; 389 26 1296 LEN=1296; translated
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RTAATDRVASEFESYPATLANVLIIEGPCYQDALQKSVGSTLTIHVIGASTDSELWEGHPS
KEQERNVFCYADALAEVAEQYKMSILLQFFGQPCKPTNINETLDIPPVQAKQSSTKLR
VTTSNADYDGRSTNKQSSPDILVFFNPGFTCPDYEWKTLSCMKENRFPFLVTTNTEM
EAVADVQFLFDKFFEDIPPTLKFILENTEDANEMEGTGEDDSFDYDTSSFFSPNPYCG
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ALVX

>comp7504_c0_seq1; 657 58 2957 LEN=3044; translated
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FLTFFDSFAQDGGVDWFKKQSYEVLGPRVKAANAFLNEKSPGQPLGVLGFCFGQWLQCKAS
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IANSGEVKEFPEMLHGWVSRGDVADPAVKAGVETAIEXRKGFRETHEVAKPTLTKKDK
ATAMSDNYESEFDRNKNICFLPEDFHNNIATRIVIEETGRMKQNLNLKFFEEMKKDLMXK
VLYLPTHTTLFKYKYLRIEKKLFCVIAFASTENIKSDSALHNI FVRYDTRYFQIKAATT
QSIATLHNSCDTSTFAVTEKRDEERMEKDGANEDTKQAETTSRIAFIGSCHKSDKSATPP
IWETILPPPDDGGDPVTPETPRHLDAWLWLGDAIYPSHRDPVTHKKYGPAPPAEVEAHLR
AMKHENATIGYKGLDRLDHYHSSRGFDSGGRPLITGVWDDHDFGGNDMGAKMPEKKRR
QAVYREFLGSAAAGARGEQPDNPSREGMYHRVDLENGRIRILVLDTRWFREDHCIPSI
AH RIPMGNVAACLTRWMTSGLLLHKYAWLWGKGNCRNAKVLGDDQAWLENELLVES
SQPSS

TAAKLDPPEL FVILSSVQVWSTNP IMEGWGHFPREQERLWNLRLRTHYGAASPAADIGSRG
SDRRAEPAPVMFLSGDVHHAIEISGQPGYYEITSSGLTHHCGQHKL YGRVCKPVLDTFSAH
RSGAPPSRSGKRKNRDKETKVASDEELDGGQGGYYIGLNFVLEVL TGEDGKREVL A
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LLKQG

>comp7504_c0_seq2; 600 58 3165 LEN=3252; translated
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FLTFFDSFAQDGGVDWFKKQSYEVLGPRVKA AAAFLNEKSPGQPLGVLGFCFGQWLQCKAS
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IANSNGEVKEFPEMLHGWVSRGDVADPAVKAGVETAIEXRKGGFFRETHEVAKPTLTKKDK
ATAMSDNYESEFDRNKNICFLPEDFHNNIATRIV IETGRMKQNLNLKFFEEMKKDLMXK
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QSIATLHNSCDTSTFAVTEKRDEERMEKDGANEDTKQAETTSRIA FGSCHKSDKSATPP
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AMKHENATIGYKGF LDRDLHYYHSSRGFDSGGRPLITGVWDDHDFGGNDMGAKMPEKKRR
QAVYREFLGS GAAGARGEQPDNPSREGMYHRVDLENGRIRILVLDTRWFREDHCIP SIAH
RIPMGNAVACLTRWMTSVRTVSKYFLLLWQLRMLCGYCRFHILIGFEMLVXFRLVSSRVL
SFCVVPCKTAYSFSYLKRPRLDALHDXGLLLHKYAWLWGKGNCRNAKVLGDDQAWLENE
LLVESSQPSSTA AKLDPPEL FVILSSVQVWSTNP IMEGWGHFPREQERLWNLRLRTHYGA
SPAADIGSRGSDRRAEPAPVMFLSGDVHHAIEISGQPGYYEITSSGLTHHCGQHKL YGRV
CPVLDTFSAHRSGAPPSRSGKRKNRDKETKVASDEELDGGQGGYYIGLNFVLEVL TGE
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>comp7505_c0_seq1; 509 559 2075 LEN=2279; translated
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GSEPKPAEVTIPI SDIVEIWTHGEGKNATTKRKT SKNESDSREEHRRRRTIGIETCSLGS
FELLMESTNELLVLQTF LKINAVQGRVDFAI RTGDDHRDMPAARGSDRASPRCSSADPRP
GDRTVGR LSDGDDLNELSATIQTNPSNL TNDTAHTDGEKSIDVEAFVAKRMTERLKRESL
TEKVERRMHR LVSLEERXVSWMLCVRMNDEDACVHAQICICVRIADETL DLGTNSPVLW
LLVLSLLFVDDVHLAPVSVSVTKCACSCFGDSSVVPMDQSYGVADKEALVSRPRRNTAST
VNSEVHDEERQHVPNQ RASATANAGA EK IHFDMQVESRESKDFRKKMMLKHGKMPSGLSV
ESEDDELELLLFQNSGMQVLT KASI

>comp7505_c0_seq2; 512 559 1899 LEN=2103; translated
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GSEPKPAEVTIPI SDIVEIWTHGEGKNATTKRKT SKNESDSREEHRRRRTIGIETCSLGS
FELLMESTNELLVLQTF LKINAVQGRVDFAI RTGDDHRDMPAARGSDRASPRCSSADPRP
GDRTVGR LSDGDDLNELSATIQTNPSNL TNDTAHTDGEKSIDVEAFVAKRMTERLKRESL
TEKVERRMHR LVSLEELSVSVTKCACSCFGDSSVVPMDQSYGVADKEALVSRPRRNTAS
TVNSEVHDEERQHVPNQ RASATANAGA EK IHFDMQVESRESKDFRKKMMLKHGKMPSGLS
VESEDDELELLLFQNSGMQVLT KASI

>comp7505_c0_seq3; 564 254 1738 LEN=1942; translated
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EGMYDETQEEARIERTRTEDTRGQTRAPTGRGP IPMRHQYSDIPRQIGSEPKPAEVTIPI
ISDIVEIWTHGEGKNATTKRKT SKNESDSREEHRRRRTIGIETCSLGSFELLMESTNELL
VLQTF LKINAVQGRVDFAI RTGDDHRDMPAARGSDRASPRCSSADPRPGDRTVGR LSDGD
DLNELSATIQTNPSNL TNDTAHTDGEKSIDVEAFVAKRMTERLKRESL TEKVERRMHR LVS
SLEELSVSVTKCACSCFGDSSVVPMDQSYGVADKEALVSRPRRNTASTVNSEVHDEERQ
HVPNQ RASATANAGA EK IHFDMQVESRESKDFRKKMMLKHGKMPSGLSVESEDDELELLL
FQNSGMQVLT KASI

>comp7505_c0_seq4; 561 254 1914 LEN=2118; translated
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EGMYDETQEEARIERTRTEDTRGQTRAPTGRGP IPMRHQYSDIPRQIGSEPKPAEVTIPI
ISDIVEIWTHGEGKNATTKRKT SKNESDSREEHRRRRTIGIETCSLGSFELLMESTNELL
VLQTF LKINAVQGRVDFAI RTGDDHRDMPAARGSDRASPRCSSADPRPGDRTVGR LSDGD
DLNELSATIQTNPSNL TNDTAHTDGEKSIDVEAFVAKRMTERLKRESL TEKVERRMHR LVS

SSLEERXVSWMLCVRMNDEDACVHAQICICVRIADETLDLGTNSPVLWLLVLSLLFVDDV
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QNSGMQVLTAKASI

>comp7508_c0_seq1; 129 1 952 LEN=1094; translated
KTQKRLVSFLPNTKVFFLTLHIQLIFRGDQPVVDQRGSVGSGLSLTVSVCPKFEPGWLGL
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GIGFPAGFSTGILAAAILAGLCFPFMGHSIVEAGGTAAIESVMRIAVIVAALFILSDFDAF
QRLLVKGS DACNQDYVYFFVGGWWTLSLVA SLTVLFCREVRKSKEFDPFKRDNQFPNDEE
PLLEEEHRSPIGYKVP HLP LFP INPDYTHKGLGSCSSYQLGLE YVLSLLVALGLGGFIC
YLGVTKLDDQFLSDPL

>comp7508_c0_seq2; 370 176 1054 LEN=1054; translated
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SESFIRRRVEKRQCQENLVQRKKN GASKPAKTQSGPVDLDEIDDEEKAI RRHSNYGSFGI
LPSSSLDGGIYRSYRRERLIKEID SANQRGRKGHEDI LETLRNARTLVFIIDAKVAVTND
EVVDGIRKVVVDHVR LDPHQDHPNNQKCLLYRDFEGRLFNLVLPSEYSSMEGAWRGNLKS
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>comp7508_c0_seq3; 457 176 1897 LEN=2039; translated
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LPSSSLDGGIYRSYRRERLIKEID SANQRGRKGHEDI LETLRNARTLVFIIDAKVAVTND
EVVDGIRKVVVDHVR LDPHQDHPNNQKCLLYRDFEGRLFNLVLPSEYSSMEGAWRGNLKS
FSVQAAALFSFLTRLSLSCAFDLETTDSFRQVSLIVILGLVFIGEYVVL PYRL
PSLSAFALSSNLVGS DWRKLLILV FVVASASTDATFQK VCTLGGILLTCLVLLANL GSH
SWKYLHWKPFGR LRFWFGALGFPLDSLLGYLAAI LAGLCFPFMGHSIVEAGGTAAIESVMR
IAVIVAALFILSDFDAFQRLLVKGS DACNQDYVYFFVGGWWTLSLVA SLTVLFCREVRKS
KEFDPFKRDNQFPNDEEPLLEEEHRSPIGYKVP HLP LFP INPDYTHKGLGSCSSYQLGL
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>comp7510_c0_seq1; 412 78 689 LEN=996; translated
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KRKKAKKDPNAPKR NMSAYFLFSVA VRPTVKAENPDAAF GDIARIIS AQYKALGAKEREK
WDSKAAADKERYQREMEAYRAGM

>comp7510_c0_seq2; 275 678 1022 LEN=1329; translated
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>comp7512_c0_seq1; 275 1 1146 LEN=1277; translated
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AHDDLPEGSSPSPSAPGRGRDPSNAPLKTETS VGYDDLVEVHYAGRPGAGRGILDSTGIE
PPGDLHERVVLVFTLKEFKAF LQYCSQAVPDRELRTSIQFFWGGRP IVANTKGDQFSAEL
VTATLXPQAPGDHENVRNQHRSGALRPLFLVSSRSVPFLRCLVEIFWMGSSDAPAF AAAG
RASVELRVPLLSRTGAGNKVVVNGRASGDGDEVVVETVEVSEDLACFLGRRDGVGFTGK
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>comp7516_c0_seq1; 224 1 1159 LEN=1233; translated
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SIVGFPKTGTSTLMLYLKNQTESVFIFDDERCELGWNQHVPL LKDLH SKYQP NLLMGIKC
PRDLEVDFALKNYRSFFPETKFIVGVRNPIRWFESFYNFRIQNRFPMLPPQKLVGKCRKL
NQGLCTNRANFSQHL SKIEDSRKVFLYDINQLKNKDLMP TFLRDLTEFLGLENPLEKPMI
HVRPGEQYVSGDYENELRSKRINICEDQYKDLRGLLQKQASESANWILREFLPNPNVKVS
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>comp7517_c0_seq1; 591 1 1536 LEN=2228; translated
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ELNLPKHLLDAIFAMGFDRPSAIQEEALPRILSDPPRN LIGQAQSGSGKTA AFTLGMLYR
LEINEPATTQALCVTPTR ELAIQIFEKAVRPMAANMAGLKIQLAIAGTTIDKSVGVNAHM
VIGTPGVVDWLKRRIINSKTIKVFVLDEADNMVGEDGHRANSL LIKKTLTRSCQCLLFS
ATFPTEVVKFAEKLIHNADKILIESDEALVLDVIKQLWVDTRQYEGGKLEFLSDIYSLLT
IGQSVFVSTKKNADMVHRTLTDGGYTCSVLHG GIEADDRDSTMLSFRNGESNVLITTNV

LARGVDVDNVCLVINYDVPVTKDGDPDFETYLRHRIGRTRGRFGKKGSAINLIDDTRSVEVL
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>comp7517_c0_seq2; 196 324 734 LEN=1426; translated
MVHRTLTDGGYTCSVLHGGIEADDRDSTMLSFRRNGESNVLITTNVLRGVVDNVCLVIN
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QQAEPPDPELADVIEI
>comp7519_c0_seq1; 224 303 734 LEN=772; translated
MTEIELCISLIFKPLRHHMKSIFDTEASLLEALWVPTLDVIRDISKDDSSDNPISQTPA
GEKMLATNELTADHLRNVIMVLASLGVLPSTEGATDSSISSKTWSAIEESEYLKFAA
EWKSAAGNPSAGEAVAGSQDQEE
>comp7519_c0_seq2; 1738 176 5668 LEN=5706; translated
MNDSHHGSAESLHVSATEINVDAILESSRHLCEEARVVLTSLRGGPPNVARGDLAQDLTD
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SVSSCGTGDIASTAAIAEGTNSPPVESQQIPPPPPPPPPPPPPPLPQDIEDRSDEGSS
TVFVEKPPQGGQPTKQPTASPSMDQTVPEPQQAQHLVFPDAVHEHQDVGYPYARPFLLAVMD
PRAAGPHTLVALRALHRLLESLKPLGGTASHEPFGFVMEPLTKGVNLCKFEQTDAGA
DEAVEMAIADLLALMVTIDRRSIQIETLMDAFNTVFVTRNTFVHSPALCYHFEDVLTIV
RTVFKDLDDLNDPAGRYILEFLVNQLLHTPLVGGDDASREQAQMAHDATRVLCRLARCA
LNYGLKDVSNQVFADAAAASAPDEERGLLQIVQDDLCLSLLLTGQAIWAYQDTPSIIPGF
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KSI VSPAPQSFSDLNRISSSHHLRNIKSKRLLRKA AHLFNTKSSKGI EFLVNSGI IAE P
VTPRSVASFLRNLVGLDKKEVGVYLGELGKPAVAGKSPKVWERDWFHKEVLEQFCSLF
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LFGSAEDPSLEENPNDSTSNEALRTSHGKEDHLVWNDIAPSDDEDEKYTSADGEEDFIVRS
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>comp7520_c0_seq1; 403 83 1402 LEN=1692; translated
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CARPGYCESMPTFWKSEVVTPVNVQVNGSLVQAVLFTNGHRNPENPQRVLSFAGAMLWGS
GVEPEETAMPESTCLAAAYQFKNTEAEPWQHLCLENGYVVPDMPWEAQIRALVEETKP
TFLTGHKMGCDIAKTIVGILNPDLPVVCWSATGTLNQA WIDAYPGLADALESGNRTNDNMY
VMQINMDAHSMLLPKPSPGSVANVCVYGNKDRCADNKYPFDWDPTSMCSLSTSGTLGL
LRGIWDINFEEACIAKEYVGSDFRLRYCPHENYTAQAPTEEGNTTSSSNLGIHGSFVVSHR
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>comp7522_c0_seq1; 1377 440 6676 LEN=6826; translated
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GSSVPEKSDNDQVGKSKGGGNKFWRTT SREADSDKNTRTRDRTTLVGNGYTNEAVNDG
GRKDERSHFNMIKSRQSGGLFASARKHTKQAANRNGKVENHKLQPGEQFSRSNSSSSLN
NGEARRKSKKLEDEVRLKADAQQQRGEDGAVVDNGYYHEVPTMGMQLSPINHNRNHIDSQ
KLATQSNLMTALEEEMSGDNCTTDNSY EYDGSHTFLH SKMESTVNGLPHGDIATTTSHKN
GDTRNPAHASYQREPFQQQIAYTSPMSATGA AVAKLSAYPIHNKPSVDVDSRKNNSSSST
HQIYDPPISALLQQQKVLRGVPHVHDNGDNRSTTSTMSDLSVNDSSTNHRQQIPSSAYG

NIMLGRNNPHHLHHQQVHQQLQPIFRQHLQHYPHFSTGSAGPTYGTSYPTAPIRAGISS
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LPEQWNLPKLTRLDLSHNRLTDFPEETMLEGLLELQELNMFNGNEVSMIMIPHNPKLLSRL
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IKRLIEGEDAVIPKRDERTIGVDIYDWDPAIDRRYEHIDNRILLQDKKLEELCPNANVRF
SVWDFAGQHVYHATHELFSPRALYVVVWDMGANNHAI EKRGKPLNNNADGDHVTAGSCS
DSDDESESEKARRADRALERDIDEKVQFWVDCIQSSVPGAAILPVATFDDLFDNSDHDEA
KRCNLIKERLEKHEERRIKGITDRLKEYMDANGANDAPALRLRKLKLLGSYARPKIIFGDN
GEDSIVRVSGTKYTGFAKLTTEKINNIATGRETLKSEYPLFRGHVGARIPRLRLKVL DVVR
ETRAKFKVVQWDYFFRQIQKKNIDADHVSDALHFLTNI GELSYFGDAVSENPRDNGVMK
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QFVFLNPKWLKAVACILCHNLQKIEETRRSLSMKQEIITRPN SFNEAHMTCPVITSND
VCMLWQAQKSTREAAERLEDESAGIKLKPQFLQLLLVRFRVFIPI DLGIEKAILGRIDY
SQKSNKAAQTTP EAITRGAISSPGNQS AKDVWQSTYFFLPSLLGPGEPTTEETWYKSSDS
WIATLCHSVMFPDGVPPGLMERFTATVLSKLY IMAQKKVPDTVEYSLNAISNGRKNSSH
AGNILVKEVLCWRNAFLVKLGMQVLSPTGEPVSNVEIFTALVDKDSNYCVGSEQMSVGS
RRLITSGKGQVGDGKKIWSGGYFNVLETFLDVMEEYGGLEFQKQAFCECLVTKSVSQA
SCWGASVVQRAVQEGDTMIRCRHGKVDLRLICPFASKNYKSDKYDNSKVQGEIQPDTFP
TDALFKSVVVVGLWDGSKRGKIVRVGSGFIADKKLGLVVTASHTLMNISGEENTPFGENY
FGMRQKVVIGVIPRQRETEDSGEAVFRYFAKIVAKDPEIENGICRVDACVLCITTRMEA
DVGGTGEQCGDQIEHILVMNKEALKKEKLSLKVTTDCYDEIVRIIGYNQGGGGLMGP
VKLNRHIDFARGYTC SKHELSDDGNDRRYKPRKEIVVNCATFVGHSGGPCVNLQGEVIG
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>comp7523_c0_seq1; 423 30 809 LEN=1261; translated
MMMNDGSSAQMDGFAGQQSGDPGTTAQAAPIDNDPLPRAPELLFANSTEDKKLYWDRS
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FVEYVHREDALLAISNLTSTKLDGRIIRVELDAGFQSGRQYGRGASGGQVRDDKRRGRVD
PARNNPHKRQKTLNWT PADQVQEQHNQQQPPPPPLPQSQQPMGGDAMAGPVGATGGIAQ
PPPPPGEPPEGNSRFRDE

>comp7523_c0_seq2; 423 122 901 LEN=1353; translated
MMMNDGSSAQMDGFAGQQSGDPGTTAQAAPIDNDPLPRAPELLFANSTEDKKLYWDRS
HYDSPESQMKALTKSSTLYIGNMAFSTRSANVHSHFSQIGPVRRVIMGMDRFQKTPCGFG
FVEYVHREDALLAISNLTSTKLDGRIIRVELDAGFQSGRQYGRGASGGQVRDDKRRGRVD
PARNNPHKRQKTLNWT PADQVQEQHNQQQPPPPPLPQSQQPMGGDAMAGPVGATGGIAQ
PPPPPGEPPEGNSRFRDE

>comp7524_c0_seq1; 304 84 968 LEN=1061; translated
MATTTTDF SALLPQNLQVIQGWLADDIPSFDVGGLVVGTEEKQAKLLMKSAGVFAGKPF
FQHVFDLLGCKVEWQDDVAIEG DYKAIKDEKLCLAI V TGPVRDILRGERTALNTLSRCSG
VATLSREALERARGLGWDGYVAGTRKTPGFRI VEKYGLLVGGVATHRLDLSQMVMLKDN
HIWSCGSIEKAVKLARKASGFSQKIEVECQSLEEAIEAATAGADIVMLDNFEPEQLKKA
ETFKNQFP HVLVEASGGITTE T MPDYLCKHVDVVSQGKLTQGYPCVDFSLKIVK

>comp7526_c0_seq1; 1059 389 2758 LEN=2924; translated
MSTRRARKRDKSATAKSSAHSRFSQGSASHSKRSNAKGI RGRDSPLRGGGADHNKNMT
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TFTTASGQFNPNASLLNFDAKSHIGVQGT SFYDSNNSLIAGAEYSDSSPTSSSSSISVSQ
SPSKLLSTSTERGKESQPSVDNSVDI PDMKEYVIEDPVERTKFKYHLKRGIKKTLTFD
EQWETSSSGTVVSSLSISAASYILDLAQKESRAKERE EEEALEEALDLYGTWLAEGKTD
KNIFLMILHEVKKEFKLYAKADKFQD TLLDAALEEE IRRREKIKKEEEEEAKILASHDKD
DDGDAESARASLPPSSDHNKSTHRRSSRLDEI IEMNTTQKSLRASWDDNEEFDDDDVDDV
DDSTVADDENKCKNDEWKEPSVTGVKVG YH KASNKTLKRKKSIRGILSRMGSKR SQNDA
FSVSKGRDRSTAKKTEVNIDQNPESNKDVDNETVDPILSPSSPEDSKNIF SRLRLKKSQK
DAEQRMEERWKKINSVETKEELWKKINEAQKEKQLFEVGFKKDVERENLDRTSRTVE
SAPVELRQAVTPTRIS I STAARENTDANIGQAKYDRRKSWAATTSKIEVGRSDTGTEIL
KTSSSKDSENTQEKEVKSMKKKKKSKENIGSKDVQEQGDTSPQRKEKKKKKKEQKVAAK
KAAAEVAAAAPLKRKGI PSK KYIKEDKKEDDFIEQSAKLALKGDDFSNEDFLGDGLDDL
G FNFDDADLI

>comp7530_c0_seq1; 504 297 1406 LEN=1534; translated
MGDSITEGTIVDMPVAVGDYVQPDDVVLVIETDKVSVDVRAPEGGVLTEVLGEIDDVVEV
GSQLYRLD TDADAPESPSEPMPATEETLTSPASSEPVPAATPPAPAAAPVAAAAAPKTPP
PAPKVAEAQTFLGSRTERRTKMSRMQTVATRLKGAQNTAAMLTTTQECMDGNLMMEMRKK
YQDVVFAKHGIKLGFMSAFVLAATAALQEVPLVNAYIDDETKEIVYRDYCDISVAVASPK
GLVTPILRNTELSMFADVEHNI AAYVEKAKNGTSLDDMSGGTFITISNGGVFGSLMGTP I
INLPQSAVLGMHATKMRAVVNDKGEVVARPMMYLALTYDHRLIDGREGVTFLKLSIAEKVS
DPSKLLLEV

>comp7531_c0_seq1; 299 1 2632 LEN=2896; translated
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MGVNCFSFGWRVRSRLCAWPFRLSFLNQMAGFGEIYQRSDDSTKLKVKVINKSVGGVNSD
VGETILRYEILGPNTYDVI INAYATNDMHINTMQDANKSGADAFGDYIMSIQQEFVRTAL
SLETSCDNNDRGHHQSPWLLFLNDYLGNEQRSVLATTEGGHGIDLLASYYGFGAISYPDM
VRDLVYANTTDPNFSPLNWHPPGKVGMRREIHTAVFHR IAVFLVSYYAWVATSTYCGLV
VWSPDHSVSIRNGLPPRLTKHLVLDTISEEWKNHDRRLRRDSVNSPIAVTNISSENPSETP
CAALANPRCALSWMSKLNLSNNNIEEYFAPFVHQ PSTTWTVVVDQDSKPGWSPPYDGLGQ
ALVLDVPLTKRPVQTVVLFVMSYGEK WENSTASVEVLQTTSEGTSWESVLGPQFVTGYH
GKKTSETYETELDLRMLAPPSTLRIRLSLQGGHTFKLMGIAACDAGGDSTHLVSGSRPG
FPRQCSIYQRESVVKQLPEQQCNEVAYFEQACSF TKATTKGCTDPHWARETYAKRRRGDD
PKFRAVFDRACTNVQRVADILRVGTHDVQKYSFGGTGCQKNVTYNDSEPPFASESVCIT
SRPTKELSSAKLSAGITDAELQILSAKTLDDAIDRVGMKNKPIDYLWLEGDVYEFFAPGA
ADETLSRVRYLEFP IGYEKGSFEELVLRQLTEHNLVVCYWSGTNHNLRITDCWFVSHYTTK
AWAKVACVSAAHDDARILLERMELVFAETLLKQVFE

>comp7533_c0_seq1; 52 1 267 LEN=1888; minus strand; translated
RVFMEELESREMYDPRNPAGPLPTSLRPALNRELEREGIRDARAIDLAYEALIGSGESKG
MLRAEQTEYIDYYDFLKRIGPNSITWPK

>comp7533_c0_seq2; 256 86 847 LEN=1965; translated
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VTKLRCLNCWRVARKDCTGSLCIRCCTDETCTVHNEQRAKLAWKKAVTLGTTDLQKEARA
KRARKIPKGRFKEE EFSYMHDTVVLWDLRSVLEPAPPRQNQAPSGASRGQLALPSAATTT
TATAQASASAGAEYLNQCKVREEILRRSRKNNSAAA AVEGRPEATKVR RNKYKGTKKRFRR
LMEDLYQRSLALN

>comp7534_c0_seq1; 272 186 770 LEN=1368; translated
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SFSTDIVDTAGMDEF SRLSRNASLGVHGYALVFSIASRQSFEMIEQVNGALLNSLGDLPD
VPRVLVGTKKDLKDSRQVSTADAQKLADTWGVPYIECSGKTGEKVAEVFHMMLMKEVEADD
GLLVENE EGGCIIS

>comp7534_c0_seq2; 220 566 937 LEN=1535; translated
MDEF SRLSRNASLGVHGYALVFSIASRQSFEMIEQVNGALLNSLGDLPD VPRVLVGTKKD
LKDSRQVSTADAQKLADTWGVPYIECSGKTGEKVAEVFHMMLMKEVEADDGLLVENE EGGC
IIS

>comp7535_c0_seq1; 347 448 1545 LEN=1628; translated
MGGRKDCCGARIGTSFEATR WLSLDICGLIGVTLSFSVHV FALCVIVWYLIEDSMIATAF
FLLLYL PVSLLALASLFMAWTTDPGAVPIGARPLVTVKPASSMTAGGAGASSSSDSSRSR
SLRRCHKCNDNFKPPRAHHSVTGRCIVKFDHF CPWVGNAV GAMNHKFFVLFVGYTMVSC
LCSIGLMIGRTFYCYGYP SPLLHTVVGKTD SNNSMENNKPECTGWNESYLGLVLLVVS VVF
FLFTSCMFFEQIEAIQTNASKIARMKMRVGTAGTELTRVTEEFNEMFGGNSNQVAHWFL
PTPVEFPNGMKKVV LGYDWD ETFDAVPYQEPNRDTFDPDRPKLVRRSSRDHDPEDPLRPS
GGTMT

>comp7535_c0_seq2; 387 448 1671 LEN=1754; translated
MGGRKDCCGARIGTSFEATR WLSLDICGLIGVTLSFSVHV FALCVIVWYLIEDSMIATAF
FLLLYL PVSLLALASLFMAWTTDPGAVPIGARPLVTVKPASSMTAGGAGASSSSDSSRSR
SLRRCHKCNDNFKPPRAHHSVTGRCIVKFDHF CPWVGNAV GAMNHKFFVLFVGYTMVSC
LCSIGLMIGRTFYCYGYP SPLLHTVVGKTD SNNSMENNKPECTGWNESYLGLVLLVVS VVF
FLFTSCMFFEQIEAIQTNASKIARMKMRVGTAGTELTRVTEEFNEMFGGNSNQVAHWFL
PTPVEFPNGMKKVV LGYDWD ETFDAVPYQEPNRDTFDPGTSSSSTGTSIELAAVKSTINS
GDDLSDVENQR LSSNSLVALDRPKLVRRSSRDHDPEDPLRPSGGTMT

>comp7535_c0_seq3; 281 1172 1741 LEN=1824; translated
MVSC LCSIGLMIGRTFYCYGYP SPLLHTVVGKTD SNNSMENNKPECTGWNESYLGLVLLV

SVVFFLFTSCMFFEQIEAIQTNASKIARMKMRVGTAGTELTRVTEEFNEMFGGNSNQVAW
HWFLPTPVEFPNGMKKVVLYGDWDETFDAVPYQEPNRDTFDPDRPKLVRRSSRDHDPEDP
LRPSGGTMT

>comp7535_c0_seq4; 321 1172 1867 LEN=1950; translated
MVSCLSIGLMIGRTFYCGYPSPLLHTVVGKTDSSNNSMENNKPECTGWNESYLGLVLLVV
SVVFFLFTSCMFFEQIEAIQTNASKIARMKMRVGTAGTELTRVTEEFNEMFGGNSNQVAW
HWFLPTPVEFPNGMKKVVLYGDWDETFDAVPYQEPNRDTFDPGTSSSSTGTSTIELAAVKS
TINSGDDLSDVENQRLSSNSLVALDRPKLVRRSSRDHDPEDPLRPSGGTMT

>comp7536_c0_seq1; 453 96 1205 LEN=1314; translated
MPVALMTGKSNHGHDATQNQSLRNRTIEVSDWWTLQTSSESSVTHVLDLRSFTEQRRQFLC
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WKVDHVLLEDTEEFWSEAEHELGMVGKEDTGQRIENELEEKYKRQLDQDHDSATQNSRKF
SKFPLPRLWQPDPMVETVLLPLLVKAHDNNRRSISSQEELEVWDLAAGAGRQVAFVGEEL
FAVDRTHQIVAVDHRYNKDKETKIVNDFWDRREIGSQTTSLKLNLSHWKTLEEAMASSLTQ
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ELNDIFHTGW

>comp7537_c0_seq2; 213 1 840 LEN=904; translated
CNDPVCTDPTHHDHSHSHDHSASPSVAAECNDPGCTDPTHHDHSHSHSHSHSHSHSHAHS
HDHEENSTHAGIGTMVYRARRPFHPDRMLSFLRTLPIARGLPEQNDQAEDESKADLVVSD
EARDVLGAVLRSKGFCWSADSHSNMYWSHAGASFEYKCLGQWWATLPRNQWPEGVDEYV
LADFDDVQHPSEGTADGGDAASAPKSVGDRRQEVVFIGLGFQVSKQALIRETLDGCLLT
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>comp7539_c0_seq1; 123 1 629 LEN=674; translated
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SMTSKSKSSPKSELSTAAAATRAGTGKVDGTGTPYIKDRGPVSWPSLFLVGIAAAASVVAY
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ILISRLILSNFFFLSFELCLYFSLSSSEYE

>comp7539_c0_seq2; 309 1 1040 LEN=1086; translated
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PWSLVDLDGKLVTNASVFQGWLLLYFGFARCPDICPSEMMLKLARVIDQLKETHPQLASQL
VPVFSVSDPARDSLALREYAKDFHPDYVFLTGSPTQVQEMAKKYRVVYSKAEETDDGDY
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>comp7539_c0_seq3; 272 1 938 LEN=984; translated
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YNIERERRLESAMGRVVSTGKPAIGGPWSLVDLDGKLVTNASVFQGWLLLYFGFARCPDI
CPSEMMLKLARVIDQLKETHPQLASQLVPVFSVSDPARDSLALREYAKDFHPDYVFLTGS
PTQVQEMAKKYRVVYSKAEETDDGDYLVVDHSIVVYFHDDKGEISDCFTQSMRPKDISEKIE
KMTSPKGLVA

>comp7541_c0_seq1; 859 1 1864 LEN=2088; translated
XVAGGTGVVVSFAWIGDGDVFSLLYDPEQDEALKAGINLGAPAEASKGSDFYTVDAMIKNLG
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ETDPEADERAASQKLEKKHPWVELRMLVGSTNEGDETAGGTTASSLGQLTLRTGGRNPPT
ILFGGPVLCVGSKFDENDEGVSHFYTKKKGQDEESASVYVSSGPFPCPDIVAWDDDGKL
CAVVIKGVSVYLSDDPNFVLLGMAEVGSSSLDSGGVISARFLHGVLYCTTKTSVRCVFL
GDPGESSCHMDAFTLASCNVPIILPSRSIVTDYDSLTPPTIPMPLHHPEILGYQNGSLVL
STTTGIVAVPLGFPLLRIGSLISAGSDYFQKAEQWFDVAVPNDHEALATFLERRGVPMLA
LNLGSLSETTIDL CMRYGFVDRLEEVVELFGLKAI RAIDQSSGLSSNIFGPEEGTASLL
VCVGAYLLSYGRIELVRRATECLASGEKGGKKEAFMLAGLLLSVNESDAKRVIHRSVESI
EDNSDWVVGPFVRKHVLFNFKD

>comp7542_c0_seq1; 9 1 1333 LEN=1333; minus strand; translated
DNTTQHGSQPRFRSPGFRDTPNPSRSRGRSRHCSHGSDPSVAEPSYHTMPRPFPFAFAVA
LSSENDAPQRSFSLPFLPSPHKRKTTPSQDREGPRISRDLDP SRHNHRHLKKAFFDPPG
QKVQAPAPTQPQLSSANPLWFGGGAHAGLVGGXAGAEGRLLRGTILAARGAGGYRRVV
AAAGTKTPLPRPAEGWLRAPCSSSEGCAGTTGEPRIIRRAPEGVSVVPGTGSSGGLLR
GNDRCALPGSRQTPLPETPKARVLRKGRGRAGPALPLRVLEGGEGLLVHEGGLPADP
RRGLRGGGEAPPKRRSPTPRSSSLVVVDPGPREVVAEIPGAAESLARRKRAIAAVLEEQ

QQQQQKRQKAGETQQEQHHHHSQPGRKGERGERAASDRKHRHPCKERPRAQRIREAYR
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>comp7543_c0_seq1; 865 154 3169 LEN=3372; translated
MKQHFHAVKKNSSPNAINSPLSPLILAPQYESRVIGDDSKVRMQMOTMETKRYQTDVAS
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LSTKTPASQTIASSWNEDERINEVVRYDRPKITKILTNDVDWKTLCCKHDKQKFKNQKS
STDNNTRTTVLAEVVAALTNPLLVPRCCHGRCLLDVLLNALLVSPSLISLRRERNANDS
QKGVSIPTAISRWTPSQLFLEETIRRLSTDKVFFSDSFMTNYVRSFIAAPSSSTMGGTT
SISKEAASIATTMTNTTGMTPNKGNRLLSAIYWLLSSASSLSSPLLEIDLISSGLLLLQR
IDEWDIQMDIESQQSGSAMESRSELGCCPVCKGIICDSEDTGSEVIRSRKNKMTLVNL
SDLHDEELQYEKNTTQQMYSSNVLWRRDYRSKSNVSLSDILGMKQKQETYNKTGRELRC
RCISSSSSTHLKRKRSEFTATTSSISPDWSTVRSRAYKKFITFGVERQRRERQLWVACSTKP
IESVERKTMITTSSETSFLWLLTKDAALHIDCPSRRVCLALLAHSLLGGPKNPSYFQEIARL
FWFGYSSWQKELMVSASTWLRLYSEWLSECAVFDQQEVLWEAIQPIVRFVVMKSVRQKD
EAEKDRHEKFAEHAACRSSSKSQHKRHCVDNDEIDHFVLPCLGYILHERFNLFQIGPENHQ
VNRNEHKDSDESVSIGKEFQSFVDLLSIHFGSSKPPWLSQFLEPTGYLVEISLQRLGILS
FSLSDARKESAQDNCFTSRNSESTIPFFRATRNPFSKEFTMRKAMGRIEQSVLPLENG
SDAVTLLSPPSDRKSPNQKSKKSKKLVPRKSGIPLIEYLHDSGILCTIFSFCGSKELA
RVPLVCKAWKGVDRFSDYFWEKAYVAQFGKYRRPFLSPEDATVTATSLDSKHKGSNGKH
NKAKSLGEMYSRSISLKNSSDSNEIPGVVNLIERAIWVDFKY

>comp7544_c0_seq1; 239 235 981 LEN=2691; translated
MYTDVENPNDRITIVWEQESDARGVIHDHISRELYNLSHTDRNAIYEEIHGVRCLAVEESP
ELLAKALYAFQDQLDIATPSKCLIYKILKLEKNQANGSDYDEDFRDTADSMDDDDAMNH
NTATSATKPRRHRPFSMERDDFRLRFLRCELFDVNKATIRFLNYLNLAYELFGNVALRR
QVRAEDFTKEELRFMKLGFIQLLPYRDRAGRRVMAVLGESTSFHQDLFKKALGIRCSVRT
NTFREEIR

>comp7544_c0_seq2; 434 235 2061 LEN=2456; translated
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ELLAKALYAFQDQLDIATPSKCLIYKILKLEKNQANGSDYDEDFRDTADSMDDDDAMNH
NTATSATKPRRHRPFSMERDDFRLRFLRCELFDVNKATIRFLNYLNLAYELFGNVALRR
QVRAEDFTKEELRFMKLGFIQLLPYRDRAGRRVMAVLGESTSFHQDLFKKALGIRCSLKT
YFYIRDVATRDSVESQRKGTVLLLDSSAWDQSGNRTFFSSELYAQTKKVIAAVPTRMVAM
HYCFPESPAFRIFNALRIVNSTLPLYLLRVRIHIGNVIENRYKMKGYGIPVHMLPLTETG
SIKVKPFYDWIKLRIALEQNETENTRTYNGCKADNGGDSIRSFLSRVVECPSLNDVVFQ
GTPSVKNPKNVIFRDKMIGHLEEYIKQRIWEIPNHQLQVHHIDKFCSWLIYDTEVQRKG
RFLEWSKKWNTWVAMIEQDRIKSKVCTSFRTSRRYFSFRRQAMAKSSPRHP IASSPPG
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GSCWMSS

>comp7545_c0_seq1; 646 116 1078 LEN=1260; translated
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LLKTIKVKVTTQKVBREAKAVEKRRQWKKFGNALKDGAEGAQRSTILSKDDIFIEDPNAD
NDLQDEDAAKELSTNLNAFWSKQQRQLQRKYGVEEKDNAAGGGWNVVGAGGGAASGGKY
VPPSARGAMAGGVKPERRTDDLNTIRVTNISENTTEADLQDLFKPFGRISRVLAKDKET
MQSRGFVAFVFNKDDAARAMEKLQGFYDHLILKLEWARPNTPKDPASSGTEFRSGYK
ALAQDTKEKVSYASNLTKGI

>comp7546_c0_seq1; 1018 143 3241 LEN=3387; translated
MARLPPTKLAVLALLGFCALVIGSIVLTFQLLVIEEKKQRGLLGQQKILKSNVKNTHSPT
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VQAFLRNWKDAAVYPPDPSDYLTYSTDMVRKSSEYRGTHFGSQNKTSNGNDAYHFYPRLA
LERAEEAGHPMAQHYLANAHSSGIWVPVATGGGEKYDSSRQESPFASLVKDLHVFDWLP
TSGEHIRQIDKAYLLWHMAAVGGNI ESAMALAYRLDETVSMTDPSTSNGDTCEESLPHYQ
AAADGIIDQLEVSLHSRAKVI PPMDKHTLAQVHMGGTSSQLDWNKPKDESEALQFYHL
KATTVPWSINKKSSSEDEKKDEKSKVKKKSAADVQEEEGIDILAAFTLAHFYHHGMRGVE
QNLTKSVQYIEIAAKHGHWESAGHACIFHLWLGIGVEQNAYRAMKFKIGAPFGYDGLQ
NKRSKDAKNRGITDPDITTCDENALNGMGLLNLLGIQNVLQVDLPLAEKYFTLAKETGSV
DAYYNLMMWLGWKTHTFANEKEDGFTSDQLSAKTALPIEGQTKESSEKFLVYKAEVG
DNMFYKGP IQSDVQKALKLLEAAAKLGHVQSKHRLGSIYAKGLNHTTSLIQFNFKKDC
LAKQHFKWIVKNASSLSNRLRTAYKEYVAGNFVSVRNYLAAAEVGSISGQVNAAFLE
RGVCLGLDAADCAKAAVRLWKVAAARGNAEACLRVGDYFYGRHLHGERLHNGPFGWIQYY
LFPEKYLPILLKERIAEVLNIAQNYVVGKGEYNRALKSSTSSSGTTGANGEGSCPNDNK

SNEGTD SFSKKDF SHEMEEDLHTAAHYQIAGEKHQSARANFN LGFMHQWGLGLKQDFPM
AKRHYDLALS KNLREAEIAVQIALMAMNAHEFVIRCKVFI EDWVYQRDTVNTKSDSTSNM
KSATTPSDSAPDALKPTRGVGHAPGSSPNKKKTREEIIAAHIFNRSSLIIVILFLLLLLI
QLLMSFVGRPQR

>comp7546_c0_seq2; 927 143 3051 LEN=3197; translated
MARLP TTKLAVLALLGFCALVIGSIVLTFQLLVIEEKKQRGLLGQQKILKSNVKNTHSPT
SRSAEAAGPSPTDFEKRLKTSKYTVKQSLPTGAFDIRLWNI FPAPEGGNYKTIGEAYWRQ
VQAF LRNWKDAAVYPPDPDYLTYSTDWVVRKSSEYRGTHFGSQNKTSNGNDAYHFYPRLA
LERAAEAGHPMAQHYLANAHSSGIWVPVATGGGEKYDSSRQESPFASLVKDLHVFDWLP
TSGEHIRQIDKAYLLWHMAAVGGNIESAMALAYRLDETVSMTDPSTSNGDTCEESLPYYQ
AAADGIIDQLEVSLHSRAKVIPPMDKHTLAQVHMGGTSSQLDWNKPDSESEALQFYHL
KATTVPWSINKKSSSEDEKKDEKSKVKKKSAADVQEEEGIDILAAFTLAHFYHHGMRGVE
QNLTKSVQYYEIAAKHGHWESAGHACIFHLWIGIGVEQNA YRAMKFKIGAPFGYDGLQ
MNRSKDAKNRGITDPDITTCDENALNGMGLLNLLGIQNVLQVDLPLAEKYFTLAKETGSV
DAYYNLMMWLGWKTHTFKTANELKEDGFTSDQLSAKTALPIEGQTKESSEKFFVLYKAEVG
DNMFYKGP IQSDVQKALKLLEAAAKLGHVQSKHRLGSIYAKGLNHTTSLIQFNFKKDC
LAKQHF KWIVKNASSSLSNRLRTAYKEYVAGNFVSVRNYLAAA EVGSI SGQVNA AFLME
RGVCLGLDAEGSAEVLNIAQNYVVGKGEYNRALKSSTSSSGTTCGANGEGSCPNDNKSNE
GTDSFSKKDF SHEMEEDLHTAAHYQIAGEKHQSARANFN LGFMHQWGLGLKQDFPMAKR
HYDLALS KNLREAEIAVQIALMAMNAHEFVIRCKVFI EDWVYQRDTVNTKSDSTSNM
KSATTPSDSAPDALKPTRGVGHAPGSSPNKKKTREEIIAAHIFNRSSLIIVILFLLLLLI
QLLMSFVGRPQR

>comp7547_c0_seq1; 600 811 2382 LEN=2811; translated
MENMNLASRCREAI SHVAMLKKE LAMQQKRTSQALASQREQTRRMTDSL TNSFITFSSPE
SADRKSQQNNSIEKSKSQRVGQDEDDNMMRLVSSTPSPDRV DLRQRNNNNVEKHKENVKS
TTITTRPSSPTKEIRDSPATTATNSPYSDSADSDSTPGRNSE DENDKDEKKELYSTPKKS
LRSQSPAFQGVVDDDDPIFPFSASPHAFSKSNSNRGSSSYDEEFPPDTIEQPESGNAKY
AKPDRKLSLMNSIDAFEQSFSTDFPDSFTPKESNSVSPSESVQNIYNPFFATPEKKTEK
KNSFVYSTPEEGKRN LKPTADIGIECAENVPMTVSGNTSSGEP LPKRPEKVTPSAARARY
EKALHPRIDTTNSSMNGAIKDIEKSSSETNKNPTALVRRIQQKRLDMNLESMSKGNP
VVESPTRKSIIDIVDTFEHSVIEDVDSGKDQKSPSRFQGP I RSLRRRSVKQPI SYAEPAL
NTKLRRGDTFFPKTGPEVTDGGAKTDSQRKAMSGVTSAAIVSP

>comp7547_c0_seq2; 692 376 2187 LEN=2616; translated
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QTRRMTDSL TNSFITFSSPE SADRKSQQNNSIEKSKSQRVGQDEDDNMMRLVSSTPSPDR
VDLRQRNNNNVEKHKENVKS TTITTRPSSPTKEIRDSPATTATNSPYSDSADSDSTPGRN
SE DENDKDEKKELYSTPKKSLRSQSPAFQGVVDDDDPIFPFSASPHAFSKSNSNRGSSSY
DEEFPPDTIEQPESGNAKYAKPDRKLSLMNSIDAFEQSFSTDFPDSFTPKESNSVSPSE
ESVQNIYNPFFATPEKKTEKKNSFVYSTPEEGKRN LKPTADIGIECAENVPMTVSGNTSS
GEP LPKRPEKVTPSAARARYEKALHPRIDTTNSSMNGAIKDIEKSSSETNKNPTALVRR
IQQKRLDMNLESMSKGNP VVESPTRKSIIDIVDTFEHSVIEDVDSGKDQKSPSRFQGP
IRSLRRRSVKQPI SYAEPALNTKLRRGDTFFPKTGPEVTDGGAKTDSQRKAMSGVTSAAI
VSP

>comp7548_c0_seq1; 534 189 1241 LEN=1425; translated
MSLSAEVAQFNRAQIQALSSPSGKLTFSPEIVVPEARDPTAILLQGP AITQLSTNIRSR
AKANVAFVTS DALGTFRFTFCKEQEEARGNFPGPVPIIYCGAENDETKRIVEDLPEIADTG
VAGVLVSINGGSEISSMGDISGDDSEPSSWLKICKNAIECGLQPIPEVVVKDSTAALWKE
EEMEALVDKLS ELMGEDPVSIVLTINPTSS EEDSEATDLPLPSISK SVGKRVSIMKSVQT
AAGGQLGEATRIKASGFTGAF LRRECVPGFASP NVEFSSDFWSACIGDLKSTRSKTF
NFRSKNNMETQLATQWANYQQDVMDSGALGDMSDGPPPGFDAEGGDYQGF

>comp7549_c0_seq1; 989 756 3395 LEN=3524; translated
MKKIPLNPRKDGEERWATSLSSTPADSESSDQGI RENGTT RLPSSMRTGVGSLSYFPDQV
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ERYTNCQDVTASIGLYLNAVPI DVNETQFGAGGNYNSYHNYNTSEVDEFVLDPSTMTEEL
IAFQESFEAAIANNE LQEAIQQQYRQNQDENSNAPVVIVTDSIDTIDSVAESDKDDADGA
LPLQPATVDDASANMGSM DQQVSSAIAVEETDDVRDVGFATAGIIGTVLVSLLLVAF LAV
SRRRRREIKSGSGSVVTKKIKKDSNR RQPTNDHGDESGQRL LQNVSLIEVDDNGYDLEE
AYTGR TMRTAGTESTVSSH TKRKSHEALISLNTVNSGDYSPGDGIHAESTTASEEKRIY
NKVELPPMEYNHQEEKNVHNSVVT SADATSGKVHTSFNDDQVD TYDDKYDDNEYVMCE

DDNSDISIGEHLNVTNRNARFGLLPKSSSESENLTNSSPAIATSPQQRAAVNTIIRSDEV
RKETVDSYSSNLSPPGGVDRSSQKAYLPSIGVASSTDSSHNAGMRKQIRPIGELDVAIAKG
DWAAVEATAAAIARSSTPVDQSPISRRAKQKPLSPSSPISTSDYTEKANELDKLIEAGDW
EAVVVTAAKFGAEGEAAREDVSRRTSTQGESEEGSHANDSFASNMDYSSADRSNSMGRS
LTTTASQKERLQEIIRDLVTQMVRDVVPEEVDNVDEMMSQFKGKEEELLETLRTMKERVA
RKARVESQKFARRNTRFREKGEDAIITNENAIIGTEQSRELHAINSMTAGGRDGIIRNSGY
DFDGAIVDPDKAAADAAAWAIQRSLDELMEKEKQEREII

>comp7549_c0_seq2; 904 750 3590 LEN=3719; translated
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SGPNKLIQLFGACCIKREDDMLVDSFKLFLVGNIRPLLTLYLFRLLSSCKPKISLPLVQ
TTACPSERYTNCQDVTASIGLYLNAVPIVNETQFGAGGNYSYHNYNTSEVDEFVLDPS
TMTEELIAFQESFEAAIANNELQEAIQQQYRQNQDENSNAPVVIIVTDSIDTIDSVAESDK
DDADGALPLQPATVDDASANMGSMQVSSAIAVEETDDVDRDVGDFATAGIIGTVLVSLLL
VAFLAVSRRRRREIKSGSGSVVTKKIKKSSNRROPTNDHGDESGQRLQLQNVSLIEVDDN
GYDLEEAYTGRMTRTAGTESTVSSHTKRKSHEALISLNTVNSGDYSPGDGIHAESTTASE
EKRNINYKVELPPMEYNHQEKNVHNSVVTSSADATSGKVHTSFNNDQVDYDDKYDDDN
EYVMCEDDNDISIGEHLNVTNRNARFGLLPKSSSESENLTNSSPAIATSPQQRAAVNTI
IRSDEVRKETVDSYSSNLSPPGGVDRSSQKAYLPSIGVASSTDSSHNAGMRKQIRPIGELD
VAIAKGDWAAVEATAAAIARSSTPVDQSPISRRAKQKPLSPSSPISTSDYTEKANELDKL
IEAGDWEAVVVTAAKFGAEGEAAREDVSRRTSTQGESEEGSHANDSFASNMDYSSADRS
NSMGRSLTTTASQKERLQEIIRDLVTQMVRDVVPEEVDNVDEMMSQFKGKEEELLETLRTM
KERNVARKARVESQKFARRNTRFREKGEDAIITNENAIIGTEQSRELHAINSMTAGGRDGI
IRNSGYDFDGAIVDPDKAAADAAAWAIQRSLDELMEKEKQEREII

>comp7549_c0_seq3; 904 756 3596 LEN=3725; translated
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SGPNKLIQLFGACCIKREDDMLVDSFKLFLVGNIRPLLTLYLFRLLSSCKPKISLPLVQ
TTACPSERYTNCQDVTASIGLYLNAVPIVNETQFGAGGNYSYHNYNTSEVDEFVLDPS
TMTEELIAFQESFEAAIANNELQEAIQQQYRQNQDENSNAPVVIIVTDSIDTIDSVAESDK
DDADGALPLQPATVDDASANMGSMQVSSAIAVEETDDVDRDVGDFATAGIIGTVLVSLLL
VAFLAVSRRRRREIKSGSGSVVTKKIKKSSNRROPTNDHGDESGQRLQLQNVSLIEVDDN
GYDLEEAYTGRMTRTAGTESTVSSHTKRKSHEALISLNTVNSGDYSPGDGIHAESTTASE
EKRNINYKVELPPMEYNHQEKNVHNSVVTSSADATSGKVHTSFNNDQVDYDDKYDDDN
EYVMCEDDNDISIGEHLNVTNRNARFGLLPKSSSESENLTNSSPAIATSPQQRAAVNTI
IRSDEVRKETVDSYSSNLSPPGGVDRSSQKAYLPSIGVASSTDSSHNAGMRKQIRPIGELD
VAIAKGDWAAVEATAAAIARSSTPVDQSPISRRAKQKPLSPSSPISTSDYTEKANELDKL
IEAGDWEAVVVTAAKFGAEGEAAREDVSRRTSTQGESEEGSHANDSFASNMDYSSADRS
NSMGRSLTTTASQKERLQEIIRDLVTQMVRDVVPEEVDNVDEMMSQFKGKEEELLETLRTM
KERNVARKARVESQKFARRNTRFREKGEDAIITNENAIIGTEQSRELHAINSMTAGGRDGI
IRNSGYDFDGAIVDPDKAAADAAAWAIQRSLDELMEKEKQEREII

>comp7549_c0_seq4; 989 750 3389 LEN=3518; translated
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ERYTNCQDVTASIGLYLNAVPIVNETQFGAGGNYSYHNYNTSEVDEFVLDPSTMTEEL
IAFQESFEAAIANNELQEAIQQQYRQNQDENSNAPVVIIVTDSIDTIDSVAESDKDDADGA
LPLQPATVDDASANMGSMQVSSAIAVEETDDVDRDVGDFATAGIIGTVLVSLLLVAFLAV
SRRRRREIKSGSGSVVTKKIKKSSNRROPTNDHGDESGQRLQLQNVSLIEVDDNGYDLEE
AYTGRMTRTAGTESTVSSHTKRKSHEALISLNTVNSGDYSPGDGIHAESTTASEEKRNINY
NKVELPPMEYNHQEKNVHNSVVTSSADATSGKVHTSFNNDQVDYDDKYDDDN EYVMCE
DDNSDISIGEHLNVTNRNARFGLLPKSSSESENLTNSSPAIATSPQQRAAVNTIIRSDEV
RKETVDSYSSNLSPPGGVDRSSQKAYLPSIGVASSTDSSHNAGMRKQIRPIGELDVAIAKG
DWAAVEATAAAIARSSTPVDQSPISRRAKQKPLSPSSPISTSDYTEKANELDKLIEAGDW
EAVVVTAAKFGAEGEAAREDVSRRTSTQGESEEGSHANDSFASNMDYSSADRSNSMGRS
LTTTASQKERLQEIIRDLVTQMVRDVVPEEVDNVDEMMSQFKGKEEELLETLRTMKERVA
RKARVESQKFARRNTRFREKGEDAIITNENAIIGTEQSRELHAINSMTAGGRDGIIRNSGY
DFDGAIVDPDKAAADAAAWAIQRSLDELMEKEKQEREII

>comp7550_c0_seq1; 418 1 1333 LEN=2514; minus strand; translated
XTDLWPKDISSILNEKTLDYSEKVLFFQSFVSSLVASTAGAVAVMPDYIGYGESKDYDRA
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TILSSRPGGTPLDLDSQLGFSFELEETKPLAPGSLDLFLAFFGYAYSNSFPFVSNENE
EALNSWMNETNPEMNVLGWFNSPEQLAKEQILALLPADTDHIFNEALVSIYHESSEYEGY
PKNACRSGIVKPDISINLCAILDASLWDLSTEIEFHVSICHSPQDDIIGFENIPNPTT
LPPNVKIFYSSKLDIMNPRGSHDGSMLCALDPITDITSHSDSEVESNSPVFRQAIANS
QCKTTATENPTTSSPQPQQCSNLYEGCGGFQECNNLACKIRPTKNGNKLAKICSPNPNR
NNRQSI AEEGVGGSSRRKERPGHA

>comp7551_c0_seq1; 742 170 1540 LEN=1770; translated
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RAIQDAGLKPEDYEENPRVAAIIGQGGTSSIPDIVETCDAVKGQVWRWKNKVGPFVTRSM
GSTCSAVLATSFKVQGPSFSSISSACSTGAHCIGTGMEQIKLNKADVAFCGAGENVNWQFT
SMFDCMGALSTSYNEDPKTASRAFDKTRDGFVIAGGGMVVLEELEHAKARGAKIYAELV
GYAANSDDGYDMVAPSGVGERCMQLALDDAARNGAGDKPVDYINTHGTSTPVGDVAELGA
IKRFLDTKDYQPNVGSTKSLSGHSLGAAGVQEAISLLMMDNDFMAESANINELVDEAEG
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>comp7552_c0_seq1; 806 198 3435 LEN=3565; translated
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NSKPPHLDDPLDCNDPDDIESSGGMIQQSVYNSGGAAPESVAAIRTFVGPFNDSLAVKF
RRRRDRHSEMWRGHVKSYGSTSYKKLDSVPYQHYSYQLANRYKEERQQHEEHLEEMRRRS
TIVLPAPPQKKRIFAGLARWL VACPSARSKTKNNP IGTYYQEVRYWTRLILILLGLIISA
VIFIKKLSDFLLETKLKLVTD PVLFGNTTAHDESLTTVANAGKKPLPVMGYFGWKAF
SFLGFNLFFVTIAFMPVTYRPLSGGSGIAEAKATLNGIILPTCTDLLTALCKAVSVICAG
AASLP IGLEGLIFIGLAIGHNAERFVPESYPVLKLDNWKRDFAAVGCACGVAGAF LTP
GGVLFAMEEGASFWSPLLAWRSFAAACVTTIALYLYIWWWDICEDEYDGVHYDSFFDIHT
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IEGNYNIAQWRRKLGWGRKGFLEIMGLTILASCVFWFPLPLYTKCNAASQTDVEDRAIL
RQLNCPDGYYNQLGTLNNGPVGPNLNLWEPAHNWD PVLILAGFSYHVVL LLLLFSS
ISMGVFIPFLYIGACYGRAFAIWGLADVGDIDNVERDP IVSTYTMVCSVAMLAGVARVLIS
ITVIMVCSVGTTYMITPFMVASLFAKVVGKAF LGRPGVYDVILEMKVSPLHAHQHGHGHEK
EKLQTPNTLCSRFSFPCPSLCTPFLGIPFLEAECPNMIMRGLCAQDIMSRAPLITLPE
EQPVGQLLEYLEKYPYVVDY PVPDPNSNGVFLGI IQRCDLLALLTKRRLFYDKSKGSTGH
RRAVTFETLVREKVKRVPVLDLDDVKAIVTPGDRARKFLNVT PLYLAIGHYTVNRVTVHRA
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>comp7552_c0_seq2; 870 198 3314 LEN=3444; translated
MNNKEDNEIETIEVSSSAQSDNRLETAATVGFDDSFASKEKDIKSETGTTTTVNSTSE
IKRARFDEGRNELFESEDTKCKGEDEDDTNEAYDEQDDNGDNFTEIPAPCASAFMDWYI
NSKPPHLDDPLDCNDPDDIESSGGMIQQSVYNSGGAAPESVAAIRTFVGPFNDSLAVKF
RRRRDRHSEMWRGHVKSYGSTSYKKLDSVPYQHYSYQLANRYKEERQQHEEHLEEMRRRS
TIVLPAPPQKKRIFAGLARWL VACPSARSKTKNNP IGTYYQEVRYWTRLILILLGLIISA
VIFIKKLSDFLLETKLKLVTD PVLFGNTTAHDESLTTVANAGKKPLPVMGYFGWKAF
SFLGFNLFFVTIAFMPVTYRPLSGGSGIAEAKATLNGIILPTCTDLLTALCKAVSVICAG
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GGVLFAMEEGASFWSPLLAWRSFAAACVTTIALYLYIWWWDICEDEYDGVHYDSFFDIHT
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RQLNCPDGYYNQLGTLNNGPVGPNLNLWEPAHNWD PVLILAGFSYHVVL LLLLFSS
ISMGVFIPFLYIGACYGRAFAIWGLADVGDIDNVERDP IVSTYTMVCSVAMLAGVARVLIS
ITVIMVCSVGTTYMITPFMVASLFAKVVGKAF LGRPGVYDVILEMKGIPFLEAECPNMI
MRGLCAQDIMSRAPLITLPEEQPVGQLLEYLEKYPYVVDY PVPDPNSNGVFLGI IQRCDL
LALLTKRRLFYDKSKGSTGHRAVTFETLVREKVKRVPVLDLDDVKAIVTPGDRARKFLN
VTPYLAIGHYTVNRVTVHRAFELFRSLGLRILVVTDAFGRPMGVITRFDLKLLEEVGIDE
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>comp7553_c0_seq1; 337 294 1679 LEN=1993; translated
MDVAFGYWCSEAEFGCKFRLFGNLGGELLMIDSGSSTLAFCDIPNPNRVYGVKRLVSDAS
ITSPSKYLSQCLRYGGGTHGWFGPSYVGNLVELDDDESTPAANSVFSVMDKVVLGTGNS
CGGIDEGSKGLELSTVRGTWGLGGIPGIGSNTFVLEQDIDWDTWPKLDDREDKSGGRSYC
PATDTRGCKCPKHVVELPSNFNSAMARRKADQWLSWDGTLGKASGKLTYGKAGQVIDTS
GTGNTTEADSSQGI RSDAVPKIEIVRNEILTYETT VSQIDVDGSAPLMEPTPYHVDTGSDK
IYLPNVYTAVTQTLAANPD AVSVLTIYFPRLSGFGNTTIDISITTNLIEDDVFKMGKEG

DRYVFGLHFWRVYVTTASFSFAGDSPYLQLLPREKHILYSTVDLPLSRNGLAGSLTNVTMD
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>comp7554_c0_seq1; 326 1 1091 LEN=1302; translated
XRQSIINAISDPYFSKPKVIMNASKALRFLKRSASARLSRPLASRTPAPHRCGTGSFLGAP
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KLGDRDAEEGLVACMVAEDGKSASIVKISSETDFAGKSDAFVGLSCHVAGATLNSTSPGN
LDPQSDVLDLEFESKSVKTALEDAIVAIAREN LGVKQAVKMTTGADGLLVAYVHGKANGSN
HAGSAASVVEISGEGVTSNPDAANEAGK KLAMHIVA AKPSYLTPECVPEDVVANEKAILA
GQIADSNKPPEVVEKIIISGRIRKIFYSEVCLTEQDHMVEEGNAKVSKALKEKGLVVKSF E
FSI
>comp7554_c0_seq2; 402 1 1238 LEN=1449; translated
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KLGDRDAEEGLVACMVAEDGKSASIVKISSETDFAGKSDAFVGLSCHVAGATLNSTSPGN
LDPQSDVLDLEFESKSVKTALEDAIVAIAREN LGVKQAVKMTTGADGLLVAYVHGKANGSN
HAGSAASVVEISGEGVTSNPDAANEAGK KLAMHIVA AKPSYLTPECVPEDVVANEKAILA
GQVRYTPNIPPCFVLDISALHSCIDLFTSPPRKWFVDT PFFSSFRRLSSPQIADSNKPPE
VVEKIIISGRIRKIFYSEVCLTEQDHMVEEGNAKVSKALKEKGLVVKSF E IFSI
>comp7555_c0_seq1; 225 1 696 LEN=966; translated
XTTTTTTTRLVVSFPVTPLLCNGFDTLHGGAQATAVDIFTSVLLAALEPVPSVTADLHVS
CLAPAPVESIVVAVCSTVEQGTGGMRPPGVPGEKLRVACDLFREDKNDNDGDGDALVP
IAKGLHTKYVLKQRTKGFVERNDKHHGGNGTSTKQVTPRSKLYWLAIVHTYAVGRIITLH
DTSSCLNRTIASCFGNAAGCRQLVKHGYTTGISLDELKSDPSTGPGGPS
>comp7557_c0_seq1; 940 140 3043 LEN=3078; translated
MSLKLRLDIRKVRACKTAAEERAVIAKESAMIRTAIREEQEHYRHRNVAKLLFMHMLGYP
THFGQLECLKLIASPHFPEKRIGYLGMLLLSEEADVLM LSTNSLKNLNSKNKFIAGLS
LCTIGNLATPDMSRDLAPEVDKHLKAGMPYLRKKANLAMARCLTKCPDMVEDFVDRVVTL
LKDKNHGVLITV VQLMTQVLMIDLKNAEEEGENPFDTDCRKAFLRLVPMLVKMLRNLG
GYSPEYEVAGISDPFLQVQLLTLRLGAKNEKASEEMNDVLAQVATNTDSSKNAGNAIL
YECVQTVMGIESEDGLRVLAVNILGRFLLNRDNNIRYVALNTLSRCIVEQQQTDDGSIPT
DSANTASAAALQKHRNTVVDCLKDPDISIRQRALELIYYMVNQENVE SLASELLNYLVLC
REHRRDICTRIFRVVEKFSPPDRWRVDTLITMLTIAGREASRDVQSATIIYISRSPDIH
AYATHKLVKAIRDDGTQRGLLVVGIWCI GEFGLILNPYTYTPMARSDDPPNSVPV SIT
FEALDCVSVVKAIQAVVERHSCPLFIKERALTSFAKLSDRFSDKGDANALEMIQKLIKHH
DMSHSLELQLRACEYDSLINACKGIKTSISKPSGEEDLFGVTGGADNGSVSASVIQAAKE
ALSRMPVVDLKV LQKKQSDTFGSSPMTRNADVNNPAGDGGDL LLDLNDMFGTPAPTQNG
SSGTGAPKSDMDLLTDIFAAQPAPAAAASSAAGGGGYDPFSAPVPQSNV PAGPANPLDIF
GAAPAMPAAAPT LQASNPLDVF GAPP AISQPASSSDMNDLFGSTPASTGSAQTMNPAVNS
GPQSVVVP AFNHEGLTIEFECLKPEVWNKQNSVLI AKCKNAAPDALYGFNLQCAVPKYII
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GFPSGDY
>comp7558_c0_seq1; 166 1 978 LEN=978; minus strand; translated
XLHNRSMFVIIRTFVFRGQRPMPSAARVFORVSPGRRGPERKAVPGRVVPVDTRGVDGH
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QGDGVDRAPVDGIPARDNDTGHQPVLVVVNEAAHQVGGRLDRGLAARVEAVDVAGQC VLI
RWVVESE RRELERRKEEKAGGLVLLLVRVSWVVVWYCGIVVLYCIVLWCRPFKDQGSISV
RIQE EWQQISGKAEMATR GKKLVEECQTETEPKDHARKALFRLRESTLRPSLDHSLSEKA
ASGAAQQTRIPNTPHKTPWTKRQKPR
>comp7558_c0_seq2; 382 156 1078 LEN=1102; translated
MQLCNAPRVSL LSEMFSLEDSEADGHGSSSNNSNNININNNNSNSNNSIRIETMTDLQII
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IYVCRSGSAADTQTLTDYVHYLNQWSLDTGRQPTVK TAAHLMRRLIYNNKDRLMAGVIV
AGWDPVDGGSVYTTITLGGSLKLPFATGGSGSVFIAGLLDAEYRTGMTRDEARALAKKAC
SHAMARDGSSGGVVRTVAIDASGVDRDYXAREQPSVRARADLELSAGTPVQHWALAAGHG
KRKKYE
>comp7559_c0_seq1; 358 133 951 LEN=1428; translated
MTTDPARSSPTKKRKSQGRGRSNSLPTHVVDYLK TWLMSPEHINHPYPSEAEKARMVADT
GIDIKRLNWFVNNRIRFWKPRYEAMQKQLRPEERSTKIVKSNLSLSETNSAPSPTELS
RRSQSRNNFGAQEVTRSDLPKLFQKVEFGNLSSTAMTNDVFATVSDDDSCSSGNL
LPNRQSPNFHMKKTSMFRRCRKRQRTEIEDDRSHTDYQVEDSPRFKHTFNREEQWKLACS

TSFSSYSDDLDDTNLPSLDDAVHLFGYSTLTSN

>comp7560_c0_seq1; 81 57 1005 LEN=1005; minus strand; translated
MREQRKATRNEYEARDEMKGHDFLSMQPLRWITLPCCLLVEGYLHVSAAGVGNCTLPSLG
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VCVTVGAAVAPGTGGAVTTGIGGAVTGSVGGPPGIGAGGGTGTVGVGIXLTRYIRWKLGVK
PLLKMGNGVTGAAVVGGEVGPVAVGLKDGLVPGCLVGGVGPVAVGFNVGLNVGILVGGFFVG
PSVGRVLVGLLVLREGRFEGLPVGGFFVGGFFVGGPSVGGCLVGI PVGALVGNFVGGPLDGAFFVG
AAVGNLVGAAVGAAGV

>comp7560_c0_seq2; 110 1 883 LEN=1251; translated
XPTAAPTAAPTKFTAAPTKAPSKGPTKLPKAPTGMPTKQPTDGPTKNPTKNPTGRPSK
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PPTTAAPVTPFPFTFQQGFNPQLPTNVPGQPIPTPTVPVPPAPIPGGPTDPVTAPPV
TAPPVPGATAAPTVTQTASPTATKTLSPGTGRIIVVTDSEVTFAPVATLPPADLIGMPTMR
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>comp7561_c0_seq1; 429 156 2081 LEN=2119; translated
MRNQYSSAILFLLGILGRSGSHAFPAPSVARVPTSGRPAVPKNCTRCTGGAFSAESDSDPA
ARAPQNPDAVPSARKLLPKLRKAASVLLPVLA AAVTLSTRPVHAASSASGPRKLGFWNVW
SATALLV SIGALPLSMSGLGSLSRLLASACRAVQV SLLGSIVLQRMVGVEHPALVAAW
VLGVGLVTGATCLSRIQDYDYPGMNRNMYGSIVAGGLTVLGLTMSLQLFGAVQPWFNPQTW
IPIAGMLFGNTLNAAALGGASITKQFATRSDSVELRLARGATVSEAIRPLVEESYGTALM
PTINSLAATGIIHIPGMMMSGQILAGQSPQQAALYQIVISFLIAT TALLTVRLVINSSVGA
MVDARERRLRVGVLEQKKNGR T LASLSKSIASRARWKAHAQPSTDGSPPTASCNKVSPT
RLSSATNRRNDNKAPVLAIQDLEVVANVEIDLVL RPDGDRVAISGKSGIGKSQILRTIVG
LEKGGKGENSIALGNPLVPSDLPEFRSRVSLVPQMNPVLEGT PNFYDEIVRCQSQQRR
RSSGDPVARPSDIASAWGLEAGAFDRPWRTLSGGESQRAALAIALALEPDVLLLLDESTGA
LDEATSRLVERTLRKSNIPMLVVTHSEAQLGRFCTHRLDLQ

>comp7562_c0_seq1; 400 314 2227 LEN=2411; translated
MGQSCSKLPPMDEAQCQKGLGASEDYIHHTATPTIAHIPPVVDGGFSPKQILTPSRATA
GSKRNRDGI FSSIRRSILRVGSRVDRNGNAFFGAPQNGKDDGVPNSPRARASTYSHVHDI
VMYNLSEAEISKHDQNVPMGVIGLKNLGN T CFLNSSLQCLSATIPLTDYFLGYDYRSEIN
KKNFLGTGGKLV TAYAELTKQLWLGSKSVVEPIDFKKQLQTFAPQFLGYHQHDAQELLAF
LLDGIHEDLNRVKERPVEEDRDCDGSNDEE DAVENWKNYLRRNKSLVDMFQGLRNTCK
CLKCGQINIRFEPFMYLSLPI TKDCKSIDDCMDLYLKEDVLKGADQYFCEKCNHVDGTK
KQDIWMLPPVLIVHLKRKFYNDYGVGSKNDASIRYPVTEWDLKSRVKSSRGVYPMYDLY
AVSNHMGGLGGGHYTAHTLNRFDVWYEFNDSSYRSVDDSVHQRLFKSSYVLFYNRSEG
ASMPLNERSPMIRRQSVSRPDLWPHSQVDDPREVKNFRRSHVRRHHDSPGEDPPDFAPRR
HVDSVSIPLSPKTTAPNASASNRNSY TQPAAQCLSSI SEGAAKMPSIEFAPGKNFVPM
QMTTLKPSVSHSPIEKFLNGKSATYTTATRGSVKKEK

>comp7563_c0_seq1; 1297 219 3218 LEN=3466; translated
MVVFLSHRLRSIALLA AVL CATENNNNDNNALLV RTQVAEAFSAPVVLSSRNRLSSSSA
FTGRLSVDNAGETKLALQRRTRTRRAAGTAAESSTKTRLSMAIDRMSNDCVAAIQKAHEI
GKSIGLKT LRNEIIFVGVIVANPERAARTLQRYKLDLDEIEMSAVKTLKFKKEDLDPDPG
FNGDNLNEPLPFSEEARII LTKACTIADRLEAPNGAVRSEHVLLALLGYDSGKKIETVPV
MDLLRTI PALKKNKETGGFTVTQFCSDLVNALPMTPI SGAGEDLVVKD TVVVGGSQAAA
GSTTTLNDVGVDMTQMAMDGKFD MVFGRDKEIRSALRTLGRRRKNNPCLIGDPGVGKTAI
AEGVAQVLANGLKEMQNAQKASNPISKLGSKI GDFVSGGNGKSSANGASSTAETVGE
EEFVYDLPPCPASLVGARVISIDLAGLVAGTSNRGDFEKKMKNLIKEASEQNVILFVDEV
HNLIGTGGGGDGAMNAANLLK PALARGELRLMGATTTPEYRKYIEKD GALERRFQPLSVK
EPTVYETLDILGAI SPKYEDFHGVKYTYNGLVAAAKLSNRY INDRFLPKAIDMIDEAGS
MVKMAEDGESYYVTEDSIQAVVAELTGIPV GKLDTGEKARLKNLEEELEKRIKQSPAVR
SVAKSIRRARSGMRDGRPVASLLFCGPTGVGKTELCKALAE TYYGQEKSMVRIDMSEYM
DRFST SRLIGAPPGYVGYEEGGQLTEAVRRSPHSVILFDELEKAHEDVNLNLLQVMDEGT
LTDGKGRVTSFKNNIFVMTSNIGSKNIVEAARSMSQVEVEDESQ L TSDVVKGAL E EAMRPE
FLNRIDEIIVFSPLPYDQLKAIARNLIDNTVKRVADDSSITLTVSDNIAEVVTTREALGGA
STYGARPI RRAVQRYLED TMAEAIMSDFIQEGDSAKVNLKDPNSGKYVVEIERELDGESF
LIDVDEDAGISKESLDYSAAYGEV PNLDEPPEQEPGAFQ

>comp7563_c0_seq2; 580 219 1328 LEN=1489; translated
MVVFLSHRLRSIALLA AVL CATENNNNDNNALLV RTQVAEAFSAPVVLSSRNRLSSSSA
FTGRLSVDNAGETKLALQRRTRTRRAAGTAAESSTKTRLSMAIDRMSNDCVAAIQKAHEI
GKSIGLKT LRNEIIFVGVIVANPERAARTLQRYKLDLDEIEMSAVKTLKFKKEDLDPDPG

FNGDNLNEPLPFSEEARIILTKACTIADRLEAPNGAVRSEHVLLALLGYDSGKKIETVPV
MDLLRTIPALKKVNKETGGFTVTQFCSDLVNALPMTPI SGAGEDLVVKDTPVVVGGSQAAA
GSTTTLNDVGVDMTQMAMMDGKFDVMVFGRDKEIRLSALRTLGRRRKNNPCLIGDPGVGKVRT
GTPRGFARFW

>comp7564_c0_seq1; 298 93 851 LEN=1237; translated
MSILITRVAAPDTHALGWQPLLLLFGLFCGTAEGLLLSSSSRHGANQYSCHRNSNSLFGS
SPETATETGVVSVTLSDRFQHGRPCFRASAACCPGRRTIACGAKRDGGHDDNDNECWF
FP EEENGEETAASAPASQSTHTKTSAGVDVSAKKIGPFEPVPAKVAVVLF SAGIAVLAIA
FAFVSFWPLVGGFDVETFLALRGILDDGRTASGYYYGGGT ESSI LELPPLSPA EQLVGA
VFGPPPTPQVV R

>comp7565_c0_seq1; 455 313 1948 LEN=3105; translated
MTDQEMSQSSEITTEIQLQASGVASNPTQPPGNERLEMLFIPANRSPENPPSNSGARN
HLLDHSSIAQSHHSARRALVFTSNVNGTGAHDTGTRSQA PNIAASQSQS SPRHIARCETC
CIRTFRNFIFFLTYPCVLLITMCCLLAVLIFCVVPTMICMIIVTCLYYCLANDPVPVSSL
VRHIFIGEEADNSWYVRGGLYPNGNDRDGAEVNRELFQSKLVVRELLQVKKHASSPEYGD
ADNIGAIDDGHTHERYDSNSKHLHAGEESGGNAKKNEMNRRGLLDSRFSRCHFPPIQILTE
GKLYRFSEPLKAQMKDNTDKSIRALKEGEAGTSDDIESGLPNHVGEDNDASSSLCFQRT
AENQLSNRNREIFPRNNVDTHLERNRSECNIQDDTVPDADDTENHGVCARIKNNHFGE
D TDTLHLRCNEADDNSNKIGVDPKRQEEAYGCDPDESMRDRGAMCDICLLEFEAGDEVAWS
PNLKCSTHTFHKECILDWLVRKQTCPTCRQDYLGKNTDDDKEWTPSQLKMQIEVKGGSKLN
DFST

>comp7566_c0_seq1; 410 38 1081 LEN=1161; translated
MKLQPSLLAGFLSTIVWDTTAFQVRISPFPERTGTVPMMATTEECVTKEDLLAARDIDQ
LLREKACGPVMVRLAWHDAGTFDKNIKEDWPKPGGAVGSIRFEPEILHGANAGLASAHL
LVP I KEKYPVSVSYADLYQMASARAIETAGGPNLGIRYGRIDVTSGEDCQIEGNLPDAEPG
PDGIYGHPPGGTVPVQDTEPQGHRLKRVFYRMGIDDEGIVALSGAHTLGRAYKDRSGLGKES
TKFTDGTTEQKFADGKVAPFAKGGSSWTEQFFVFDNSYFTTLD DSDADEELLKMS SSKAV
FQDEVFRKHAVRFRD DENAFFESYARAHKQ LSELGCKYSTPEPIELD

>comp7566_c0_seq3; 230 224 945 LEN=1025; translated
MGPTLASRALXNLLVPIKEKYPVSVSYADLYQMASARAIETAGGPNLGIRYGRIDVTSGED
CQIEGNLPDAEPGPDGIYGHPPGGTVPVQDTEPQGHRLKRVFYRMGIDDEGIVALSGAHTL
RAYKDRSGLGKESTKFTDGTTEQKFADGKVAPFAKGGSSWTEQFFVFDNSYFTTLD DSDA
DEELLKMS SSKAVFQDEVFRKHAVRFRD DENAFFESYARAHKQ LSELGCKYSTPEPIELD

>comp7569_c0_seq1; 247 1164 2129 LEN=2299; translated
MKICDPHKHSQDFVKVHQRISGSTEEEEYQPHPVLSKPPVSLNVSRS SHF IPEKGLAPAT
SDTTSKRVLKV PASWYASMGITNPRSKVDQSEPTPALEYR DYKNQNMQSSNTTNAMFGQ
PKIPYKPVLP RPFPESP RNEIVPAPLGLPVQMLSDTLAMNNHAIMIQSKLNLIKQHNMVV
ELLILTN DLATSVACLQYVKPLHQREIPVGP TAMKVVSAEMKCQFLIEEQVERHLTEPE
YSGGKGYTSLHARMMICQLAPILGPNLGRMDHPLVSITKLRLLGLLEQEACDIFPFIQGL
EEDILLKSISIKRKLAMD LRL

>comp7569_c0_seq2; 324 558 2045 LEN=2215; translated
MNNEKLETIKRESHVPPFPFKDDTYIIPQPGQLISYLWYTRPNPVYGEKKIYRTGVLC
SNGSIRFFDDESEENVKTNGERKFIENKFYLNKRGFANGAFRVRTDLVEGATCYEREMN
LPCKLVQIDKSGAVLVENLLIEDGGKTLWISPDDL VGNFKYSRATKDKKNQSMKICDP
HKHSQDFVKVHQRISGSTEEEEYQPHPVLSKPPVSLNVSRS SHF IPEKGLAPATSDTTSK
KRVLKV PASWYASMGITNPRSKVDQSEPTPALEYR DYKNQNMQSSNTTNAMFGQPKIPYK
PVLPRFPESP RNEIVPAPLGLPVQMLSDTLAMNNHAIMIQSKLNLIKQHNMVV ELLILT
NDLATSVA CLQYVKPLHQREIPVGP TAMKVVSAEMKCQFLIEEQVERHLTEPEYSGGK
Y TSLHARMMICQLAPILGPNLGRMDHPLVSITKLRLLGLLEQEACDIFPFIQGLEEDILL
KSISIKRKLAMD LRL

>comp7570_c0_seq1; 524 1 1161 LEN=1313; translated
CSSDLPEGKSLLT SFCTRFKGPKRKIKDKDGGAAHKAKQNNIKRNASDGKNSKIS E T GAT
SATTNLSNDENAAPSVQIIDGEIVLQESSVMFPARRTVQEVEEEFQDNIVEEDEQLNIVQ
ASYNSFVTKGDHGKTRNKGLWSIKETELFYLALSQ LGTDFGSMEALFFEDKRTRRQLKNK
YRKELIKNPD LVQELALNPKYQVALDMTAFNLEVPKRIEAHENEPPAYEPTDEDGIAI
PTSSNTEVTKGENNGFEGEVVEEDAEEERRAEASAIMSAENTKMKGASGDNSHWGSQNE
PEVGAGFDNEMGGFPHEEGPSMDDFFHDDSYNDNDGEKEESLGKRVSEPVVTIKQDASEL
VSLVPKKKSSKSRPKIRPSSKKK GK

>comp7570_c0_seq2; 884 122 1972 LEN=2124; translated
MAGTGVSLIPRSSKTTKRRRTSFRPATKKS NPNKNKTASAAAKVFTSKNDASSKSADQTG

PSQVDELATSEEASKSVDSRSNIGESLVNSSEAVTENATTESKKTRSSSVASNIVATTSA
TRKRKANSLNNVIRIGSSLKRKTTRTSTASASTVTEDGKKGATSSDDNGSSTVSTAIIPA
SKPQNSEEEQNDENPLPLESEENSIATTFRTASACFPILSAQDQATLNHLAKEGKPEGKS
LLTSFCTRFKGPKRKIKDKDGAAHKAKQNNIKRNASDGKNSKISSETGATSATTNLSNDE
NAAPSVQIIDGEIVLQESSVMFPARRTVQEVVEEEFQDNIVEEDEQLNIVQASYSNFVTKG
DHGKTRNKGLWSIKETELFYLALSQLGTFDGSMEALFFEDKRTRRQLKNKYRKELIKNPD
LVQELALNPKYQVALDMTAFNLEVPKRIEAHENEPPAYEPTDEDGIAIPTSSSNTEVT
KGENNGFEGEVVEEDAEERAEASAIMSAENTKMKGASGDNSHWGSQNEPEVGAGFDNE
MGGFPHHEGFSMDDFFHDDSYNDNDGEKEESLGKRVSEPVVTIKQDASELVSLVPPKKKSS
KSRRPKIRPSSKKKGGK

>comp7572_c0_seq1; 211 146 656 LEN=1169; translated
METLNLLIQGGSYGHVERSKSVEKAGRNNLRRRTEVEYWNKAGWYDDDASMAEYNKGV
YDTYYVGTDSGASDYSGSSSSSSRSRSDGSMNVSPNQLSAGLKIVA AVL SILVAIIVFRVLS
RRSSKKAALPARANQTGGACDPLVRLVGVLDREAAAAAAEAHRAIMS

>comp7573_c0_seq1; 212 794 1367 LEN=1367; minus strand; translated
MENAIQGSLSKTDGGFATVFLVVLSTIYSVDGSKSGFQKNMLGDTIQNIMGRGRIRKTLA
QSTPALTSVMSVYTEKNGSSRMNRRHASLSNSASVSMVSSVKVQSSSTKKRVRSLLDVAG
STGFYYGIDAQRMIPNRSRQRKPRPPKLEESMVI AIEELKMMRQEMEQMRIEMQQLKRKM
LGDDASFQIDD

>comp7574_c0_seq1; 284 1 1386 LEN=1386; translated
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KFVVTGIFSVQEQTSGSVGSKGSKSSGGSSGHNIRIVPCDDTCLTAPLTGTACSSATKEV
RVSEGDEICFVQLNPLTQQPLFDTRMPMNTVVTFTSDSNEIFVSEIHMSCSVPVIVSPWAA
VLTPVGVVGFDDSTINTMIEQPGLNPNVLTFTGGISTGYYIAAKNDPHNQAGFQLDLEQCG
CDCNSPFSAA PVPVPTPFVTTEDSTGFPTQHI SCSPSTVPTTELTPAPNPDNPTITSDPTF
SPTLLSPTVAPSPSQPTSRTRPPTMPPVGTATTLTPPTVSSGPTIFPSCSHDDDVFTPA
PMLPPPTTTRAPTAVPVVPPHPDPVPPHHHPHEFTPAPMLP

>comp7574_c0_seq2; 182 136 432 LEN=432; translated
MKLFISSIAVAVTSIVCFAEATATSNDASASAQVKASMLVGGGDERKGRDLTVSYLNNRDE
VVGRHYDPDDPNSLIGVHFIPVYGAVNYYGSKGSKGSKG

>comp7575_c0_seq1; 853 1 3981 LEN=4202; translated
VFYELLEGATSPEERVELGLEGSHGHRGPEDFRMTACSETFDRRDGVSDRDTFRDLREA
LGSVGGFSEEKQASLFSVVSALLHTSNITLAAGADESSQPIASESLDHALGLLGSNEAL
TNALCCKIRARGEVVFHKKLSVQATKALEALIKATYGALFDYIVATINESIASRLQAMN
LSPRAKDLPRIGVLDIFGFESFEVNSYEQLCINYCNEALQQQFNKVFVKLEQREYEQEGI
DWSFIEFPDNDILDILIEKKRDGILSILDENCRLATCTDATFCQAIYEKCREHPRFGATQ
AEKADGSFSIEHYAGTVKYSAANFLEKNKDELPOETTELTTSSSVELLSYLGETLKKNTD
NESAGPSTGSNNGFLSKQNKPPSTKRMNSSILRTTVGSGQFSNQLRELRDKIDSTTPHYVR
CLKPNDDLVPDRFEAHI IAEQLRCAGVLEAIRVSRVGFPHRYHEQFIERYGMLTKKISR
RKRGRDFCSALIDLLIPQVSAMYGKRVGAACKVSLGMQVGF SKVFLRTSVFDNLEILRNK
KLAQSVVVIQKYVRRFVACNCYFEYRVAAVIIQCFFRQVGASRETRRIKQTAAAIRIQSV
WRTFMAETELMASRLIAHFGQTYWRGIVARKLCAVAHMEKQANVVQRCWRGHRARRPYRE
TLRKIILIQCLWRCKVARRAVRDLRREARSISHIAERDRFREESVRLRREIENLRSSKS
ETGSDHFSSEFEVEQLRREVQRLQTVISHSQMSVSGSTATTHSATRNDYAGTSWPGSASGCE
DFGGYRSPSLPKSICAHSHSPSTRRDSVVSASHSIGIGMGHVSSPSTSLLDTDPEQEME
EYQLRNVSGSSAGPSGIFHASISRSILQDDEHRQGMMAEPEGTESKISSSSYGSVSKLHQ
SIRNNDVITMNRITIEVSDDPLVLVNAQNL DGR TALHVAVESSVQAVTDLLRRSAVNAQ
DFDGNTPPLHFSTENVIATLLLDDEGKANPNIPNIDGICALHNSVERLDVPSVRLLLKYGAK
VNVADNINWFTPLHMALQYAGQYSLDNNGRAMIVDLLCGDMLQFDMNEKDREGNTPLH
YSAQLETPDATEIMSVILEKGADPKVLNGRNQALLLLCHNEDLRRSYEAFQECLHTLLS
YGADPNHQNSGCTPLHLCLYHQDIDSAIQLI SHSAELHMMWNRPE SWIPDGD PFGSPNV
LALDMVSVQETS VHRLLAAITGPPKCAPVRPWC MQCKSPQGSSE RSFHCQHCGRHVCSNCT
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NRLHLM

>comp7577_c0_seq1; 321 1 1874 LEN=2497; translated
XARLVDSAAIVHGVRTLRFADDTGVYRNGRPYKVRGFCDHDAFAVVGMAVPDR IHLFRAQ
ASRSIGGNSRRASHNPPDPTALDVYDRLGMLVIDENR L FANNSRWVQNMADLVVRDRNHP
SVAAWSFCNELGCEGDHELGGPAFQEVTKALDGSRPTLANMFTFHDLSDTIDIQGFSHS
SRETLDHCHSELPEKPIVMSECCSCNTMRDEDEGCETMSDNPHTTTCNQKAFNARCLEKLV

NASDGTEYSSGTFVWTLFDYYGEPSPKPLTVSSTYGFQFDLCGFPKASAFWFRSQWLLSPP
LSNDTALGADNTLTKAAAIENGGKPFLLTKTEVHIVESWESPDPHWNETRGNKTRTIHAYSN
APIIELFANGVSGKQKQSLVPMVEGDAGTYGEWFDVPWSEGILTAFAQSEDGTELARSTKE
TTNKGTPPSNSDCSLDLSLDCPSKLTGTGDSLFLDGDQDAALVRATIVLNSSGRPVPVHFASH
NVTFRIVSGPGRVQGTANGDPKSYRSHTSSSHDAYHGLVRAVVRVTSVAGLSAREKHMLK
SMEVFQNEQEGCAPPSPSATATDSAGLLSFDDERDIVEATSPGFAPVQLTIPTSVSRGE
ASVLSVAAREAGRVPVDFFASSRQ

>comp7577_c0_seq2; 316 1 2017 LEN=2640; translated
XARLVDSAAIVHGVRTLRFADDTGVYRNGRPYKVRGFCDHDAFAVVGMVAVPDRIHLEFRAQ
ASRSIGNSRRASHNPPDPTALDVYDRLGMLVIDENRLFANNSRWVQNMADLVVRDRNHP
SVAAWSFCNELGCEGDHELGGPAFQEVTKALDGSRPTLANMFTFHDLSDTIDIQGFHS
SRETLDHCHSELPEKPIVMSECCSCNTMRDEDEGCETMSDNPPPRAIKKPSTHVASRNWS
MQAMGPNTLPGPLCGPSLITTVSEGEVGMMLAVAAFLRITNADCSSSSSLIVSTLCP III
CIVLCFPERRTSVEAVDRKFDNGQFDLCGFPKASAFWFRSQWLLSPPLSNDTALGADNTL
TKAAAIENGGKPFLLTKTEVHIVESWESPDPHWNETRGNKTRTIHAYSNAPIIELFANGVSG
GKQKQSLVPMVEGDAGTYGEWFDVPWSEGILTAFAQSEDGTELARSTKETTNNKGTPPSNSDC
SLDLSLDCPSKLTGTGDSLFLDGDQDAALVRATIVLNSSGRPVPVHFASHNVTFRIVSGPGRV
QGTANGDPKSYRSHTSSSHDAYHGLVRAVVRVTSVAGLSAREKHMLKSMEVFQNEQEGCA
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PVDFFASSRQ

>comp7578_c0_seq1; 558 320 2221 LEN=3020; translated
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KIHCTPVATARLLINVHDVHESFVVEHQYGATFKHPIFRHLRNEKHKTRNDPISYANVTFY
DANHCPCGACIILIELPDGKTTHLHTGDMRYSKTKFESYPLLTRSIKERRLDLVYLDTTYC
HPKHDFITQDEAVDSIASQTQELLSVKNSEKTLVLLSCYSIGKEKVLHEASKRSKQLIYV
NEKKWRMLQCIRHDQLKGRFDCKNRDGSSSFVCEEHTNILEKCTRSSLSLHVIPMGLA
GEMFPYFQPSFQKI AKYVEDLSSEGFMTAGKDKGKSITESKASQKEYDRVVAFIPTGWAN
SSNWNKNAISIKKVELSCSRILHVEVRLISYSEHSTFPELVSVFVQYLKPRKI IPTVFS
ENHKRQIEGRFRNFLDSTRAKQAFFRSMTQKKTSTTSASVIATRQDLNLCVSENIDGLS
GTIKVDETTKVLGSAAMAQPGKHTALLVGRDEREPKCVEDDEIQVLGVIQGNPCLTTS
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>comp7579_c0_seq1; 391 234 1493 LEN=1707; translated
MTRRTSPLGSKSVLLLLQILSLAAAGKNLFATEKNQNRRI TRGSELKKTIPDGMNHREL
EGSPKHKNQKNVSVFKDKRSGPGALTDKQNSAWFGVDKIDKQIEKPPPQENVSAEFHSG
RDDIDPGVVSSGSLSSVTSTLDLAEPLQPSLPPSIKTMQPDSPNETKVI AEERLRPIKF
DITADTLVPIINTSELEPLFRGFIEDILDMNSNDNWPPLHKS SVSNMTIEMFSSNEYPTH
TNNDEELSSPVKKMAFQLVVNGLVSVHVAEQKAGAI SLSKRTEGKEKKEGVNNETVSET
ETESPFDHSDHSMMLLYLTFWGTSLREALQKFDLKNPIITAVTVGKKKVISFGIDKDDN
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>comp7580_c0_seq1; 578 327 2351 LEN=2829; translated
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VKNSDRRRRRRQARIRKTRESKSGGENKTYTRDEDYDVLKNVIEIRDYLEVIDEEEATSF
TTEKAPSRSTSSSVTTAFPDGSDVDECEVKKRSCWVNDPVDRLRFLRCELFEVKKSVRR
FVTFLDFAQELYGDFVADRPMLISDVNTRGEKRAMARIQFRILPFRDRSGRRVFSMGSC
GYDVEPKLRILWYMYWIASDELQTKGLVIVGWPCDEIINGAGNTNNPYFGMAEDDG
KNSDASTISSLDDNSVWERSLRPNIANLEGIYQAKAIEGLPIRITAIHFCCQNRPVYRI
LNSLFYFALNSNYKSRYKVHIGEP I EIRYKLGQYGI PVDSLPTHTMTLKRQSHLQWINF
RKYVEQGINGNAKKNSDKPPLLLDPNDI IDCPRSYDVI IGKAKYTNNPGNVFYRSLIEA
THDEHISLTKRQKVDMTWRIVRQMEEMNGRFLKEMNKELKVWVHIKDRNVMRQKVAQSYKE
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ALPSHTSSSMFTGM

>comp7580_c0_seq2; 261 228 854 LEN=1332; translated
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NNPGNVFYRSLIEATHDEHISLTKRQKVDMTWRIVRQMEEMNGRFLKEMNKELKVWVHIK
RNVMRQKVAQSYKEYKRNTQVLRSKRQKEHQTKIANSEKRQRTEVPPFIPEFAVAGTDCFA
GCMSPSISSEDDFALPSHTSSSMFTGM

>comp7581_c0_seq1; 164 178 633 LEN=1187; translated
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YPMAPPKVRFLTKIFHPNVDKLGRICLDILKDKWSPALQIRTVLLSIQALLSAPNPDDPL
DNNVADLWKSNEPEALKRAREFTQSFACAKE
>comp7582_c0_seq1; 232 281 1169 LEN=1211; translated
MHLLESEFPFVPPQPPQISFGNDLHLTGVSQYSDTDHVEMGLLGFDFLWADAHSSAS
PDHIARMILAAERRGLPTIVRIGYQYQNIIGHIQKYLAVAGAQQGILLPQCESGEDVERIIQ
AVKFPPLGQORGLAGERWNAWGLATTSGICNPTSSNNVPLSECI EVANKNSIVGVLIENQK
GLDALDEIMAVPELDMIFFAPTDL SANMGLHGQIRHPDVL SKIEEAGQKVKRFNEEQGDN
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>comp7583_c0_seq1; 1310 128 3454 LEN=3733; translated
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PVNEEESVNEEQERQPESTNRAFFPASREQTSSSPPNRIDSLVEDDDSESFDRDDTNETN
TDRFHPALKAALYTEGQEA VWHEDQYTSVSSVYVKPEKQETSSTSNPQKKHRQKMKLFF
KSRAKKQEA AAVEVEPTPRPVKIHVRKQKVAKAVVLLP PKQEEVGVELNIENSSQDNTSQ
KERLMKENEMHAAIAENSKQARRLLD TVLSGSLDEEEESDRMVKEAFNHAATARRIAEAL
NEVGVFQEEIELENVVSYLAEEGEQAALQYRQQQIEQASYEGIDGNNNSNDVEASTVESDA
SKKQRRGKFGVSEYASRAVNYLESI PKSITGYKNNF DVEGAEKGNNGADFWSDAGISTL
GLKNDTLEYGFSVEGDANDPDNRTDHD EAGLLRNADMMSSLNEILDGGGTRSTDPKKK
DLEGEGRSAELQKSGKGLSPRS AVREIGIPRKRKNGPPTEPRRNRGGILGLMTPRRTK
SSRSETKKKVPDASDSTNSEKKWGVFFRTPRGSEGVP SQLHLVVEETDEDRCEDENSVKP
TSDPAEGLVEAYS D SCLGVPKDNRYTPAFVSEETKDSVNEKEVKISGETPKNYQHLES GH
DEDNDLSENINTDKDDLSTSSGTEGSEPKTRDRYQTEPIGKTPRRAGLEVEENINRRQGT
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KTSSKLHRIREATLQE QDETQPLAPRMSKPTVGQRVKTISKTKNASTRPSYPSINDSSTV
FKQAITKGNLKA VESNEEGDDVVPFN YLTVMLKKQIEEKVKTSGPSGTEIQESPDQHISD
PKPDADSFVA AIRGPRHKEAPGVALEEIAMRNHQNNRDP TIGIGTDEILVDLAPT PRRPA
RRSSFDDKDEMEY NKSKEEMDDKQDEKCIKTRDPP I EDEENERLRRKMITERLFQAGSS
SFQEDSKMNDAMKTVP TVMSAESYGE EPEVDRVQIRLNPADSADENNENLEKEGADEISP
GTRLGRGRRLKLSMSFLKV GKRKHV LGPQ
>comp7584_c0_seq2; 624 1 1745 LEN=1944; translated
XLIDAWGEGFVNELDYRAE ANATKAFTKAMEERGLGSVVF APEVVDLSSMHVLTTKWVE
GERLSTSNEDDVPR LCGVALNTYLTMLLD TGTLHCDPHPGNLLRTPDGKLCILDWGMVLN
VPNDLQLSLL EFIADLNAENYEDVPDDL VKLKFPEDKIDDLRKSGLTVGI AKMLTLAAE
GGGPKGAMKRMVAQNKEKYAEAL KDFDLDSE EATKERQRLFQEDWKKQMVEDAMSREEG
SAASTSTTVDLTTKIESMRQQNTDVF AIPDYFVYMSRAFATLEGIGLSSDENYSILKECY
PYLAKRLLSDDSERARKALRTLLYGRDGKELNLT KLRELS DGLSEYSASTSSVESGNLTS
DNSEGRNAAIEQVANVVLSEDSNYVQEVLLRETAVALDATVRDAVTSPLAPIIRNIPVTI
DVDGGASTAPPPAILRPF TLPFELAKASFDLQSVDAIDERRLENVRILRNLVSGSNQDQS
STNSQNNISPAGAPATETIGKLAREAGKRR LALARIGVRFGGTMA SVQAERLRERSISAS
HQKDRNVAEISKILASNGAERLEALADAFSSFDNELARRGK
>comp7586_c0_seq1; 513 1 1251 LEN=1549; translated
SLSDRTRNCARSTEQLSHILCSFQVEGCEKQAQGTHNGMCKRHWRVHFPHQVAAKAEAE
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GALAAVAANANAAA AKTEGLSGPGATETGASEAGNSNIVSTMPLVTF LRDGALHKPVGWH
RQAERRARGMFECPSLGCQLEPWEKQLALVE ILLLSGGT PHANFRDLAHAWGRERGFHQ
VASSVCTRRGEVERKKRSDAGR RGGAAAGSSSKASAAGTSAAVPHRKRKYNTKQQPQQ
QRQPQQQLQLQQRH QYQQQVPQIQLLQQQQQQQLPPHPHTTTTPMVLPLQQQQQQPLQH
TLLSEMTPSPVSTMAASAPNPALLPANNNLPAVAMATANNGVGGVVTMRGNVGDSS
>comp7586_c0_seq2; 497 1 1339 LEN=1637; translated
XASAPPAHRRSNSHGGETG GTNRKRLCRFP GCTRVIKSQGH CQRHGAKAKRCKVEGCEK
QAQGTHNGMCKRHWRVHFPHQVAAKAEAEERKKQEDEKPPPAVGESVYD TVLPAS IAYRP
SSI SVVAAEK NANHAAAMVLAKANGEASPG GALAAVAANANAAA AKTEGLSGPGATETGA
SEAGNSNIVSTMPLVTF LRDGALHKPVGWHRQAERRARGMFECPSLGCQLEPWEKQLALV
EILLLSGGT PHANFRDLAHAWGRERGFHQAVASSVCTRRGEVERKKRSDAGR RGGAAAGG
SSSKASAAGTSAAVPHRKRKYNTKQQPQQQRQPQQQLQLQQRH QYQQQVPQIQLLQQ
QQQQPLPPHPHTTTTPMVLPLQQQQQQPLQHQTLLSEMTPSPVSTMAASAPNPALLPANNNL
PAVAMATANNGVGGVVTMRGNVGDSS
>comp7587_c0_seq1; 514 663 1835 LEN=2071; translated
MSAYALPGLFPPI DKVSEAKEVNEPDASFSDGGNEGDSSCANAHSSSDKNLPLHHQKGN
CSNYSTLYGADCGNSSPSSSNIGCLLSAAIAVKEAKIDPIRWIQFVTGSYPQQYAKQIG
KTLRRRVSGSSGSSQLSPVGR TASIRTRRDPSKSGKHCTSSSNSISNNK KSPQNEAIEFE

LAITLNGRRYTAKRTMQCIVQLRDDLIREMKRRREWLTESQAMPSLQLPYESNVHSFYTT
PPHSISTPITTKPEPTKKHCYAVSIPEIPPLSGCDDRDIGIVGRGFTMLHQMVTSYVPVM
ESWLKNVMEIVPQDSECLMNFLWEPATEIPSDTCKSVSDSINNNNLTGTLNKFKPSSMA
TLCSIKEMDYDMEDDDSDDEDAAFSDKWKN
>comp7587_c0_seq2; 514 292 1464 LEN=1700; translated
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CSNYSTLYGADCGNSSPSSSNIGCLLSSAAIAVKEAKIDPIRWIQFVTGSYPQQYAKQIG
KTLRRRVSGSSGSSQLSPVGRASIRTRRDPSKGSKHCTSSSNSISNNKSPQNEAIEFE
LAITLNGRRYTAKRTMQCIVQLRDDLIREMKRRREWLTESQAMPSLQLPYESNVHSFYTT
PPHSISTPITTKPEPTKKHCYAVSIPEIPPLSGCDDRDIGIVGRGFTMLHQMVTSYVPVM
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TLCSIKEMDYDMEDDDSDDEDAAFSDKWKN
>comp7587_c0_seq3; 514 303 1475 LEN=1711; translated
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CSNYSTLYGADCGNSSPSSSNIGCLLSSAAIAVKEAKIDPIRWIQFVTGSYPQQYAKQIG
KTLRRRVSGSSGSSQLSPVGRASIRTRRDPSKGSKHCTSSSNSISNNKSPQNEAIEFE
LAITLNGRRYTAKRTMQCIVQLRDDLIREMKRRREWLTESQAMPSLQLPYESNVHSFYTT
PPHSISTPITTKPEPTKKHCYAVSIPEIPPLSGCDDRDIGIVGRGFTMLHQMVTSYVPVM
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TLCSIKEMDYDMEDDDSDDEDAAFSDKWKN
>comp7588_c0_seq1; 222 1 1550 LEN=2130; translated
XEDSRALCESMIRNQLVPKLKADIEAESSPRWDPIRDPAVLDLYEYLHAKAVAFDNEAR
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IQRWKPDFSRSSSEKRTLENPLHLWVLPWLPIDHPALLPNLVTDCRRLRGALSFLHRKL
SAPGNDREYVVAATDLRPWQAVLGARSIPQMVSKDSTVVSRLARLLSSWNAAAAARPEEK
EPPNWQDLRLLFELHGRKMI SDVDFLSTIEGPVLTNWARSVHELLWGQVSSAESDSTAP
TGTQDPAVETAVGVYRDWKIRVLVDPLSSDDSPITSFPAKNTGDKPAFSCDHSRLRLRDD
VQTCRIFCSVLHMIQICKSPSMAASAKLEALDPLEPQMPGFRAIWNRRSLEEKQAIQEDF
VRMESRSEGETRARIVLKRNRVAEPTFREVVVEEFASDRGVLFQPRMGGKALKDGKQVYLF
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>comp7589_c0_seq1; 453 137 1663 LEN=2106; translated
MTTETNDGCVGNIDGAFLLGGKVWRSDPSHGIKSTWVILAFWSLLAVVYAEALLARLPCG
VTLFQSQLHSGDSGRYEFYDYDTCVRQQRKQLDAYDSSVIEEYNDTKIENYVNYHHHNL
WLRLFERTIGLSPDITVQIVVATILYLSALVLFLETNLVTKGINASKSCCYDDMFCEPN
RRRHPTTSNRANQNSSGDAVIQRPGNTISNVTYFVASVLIFSSLCLEGQHGNELSISSST
TLWYSDALFGCMMFALSVSSTLWHSWNISIVHYVDLWSMDSTIIYLILRNLVSVVFYHAA
IKPGGDQNGNGVSNGLNSGSVEWLIMTAVEKSSILEWQVLRPATLLNTNTKDIALAM
VYSLI IARLGYFFHLCWKHRYLHGSCLFTVRKRLSSTEQKSNVWTKGHFPIGMGEVCV
FAAMPAFFVGIPLALQLLLLDHTYGSIRAGMIAHRTL VFGWSYRLLLEKVALDGSFCGIWG
NQAKGGEPSPFESAKGVHENNIVPMSSPW
>comp7590_c0_seq1; 288 320 1607 LEN=1835; translated
MKEHGGNERCNSYL RDGGIPLSVSEVSI REKYDNKVAELYKLIKARGEGRPEPTALESP
TSNEQEKQLHIPKPPRAHLGFENTTPPPIFLSSLLSAYGFLGPIRSILLNTLHEKPWAM
RGVCLFAGTLGALATTSRWRP LLRKISRGTLSVVG LFFFALAPLHFAYGFRTQRLPAPF
SAVEDYTRGARVREQNKG YEVFFPPGVGIGDSVDKALIFYPGLMVDHMAYATVLGKLSDM
GILVLLASAEP SRVCTE IATVEHV KRLRHEI SVLMNISVGEWILGGHSLGGVAAA SFFAK
KTSSGFPRDIKR VVQWASPEDAGILRRIQEAGPAVDADAIHLESHLGIYGTCDGAVELKG
SSVMTSKCPENSEIEIIVGGNHAGFAHYGPQFFPKPDWERKGITAE EQQAKAIKWTADYI
LQSNK NKK
>comp7591_c0_seq1; 305 155 811 LEN=1380; translated
MMLSTRSIVASKLLQLLVGWKMESSVAFVPTTRLVSTRAGEIPATTSKQLATDSAGDA
PEFGGAPDNEKESSNDSDSPSYEMGTVKVNDGGS DLTD RFKYK VHALMGDFDPVEGTAND
ETQDGNIMSALVKFPMQHTFDVVGKVSASTGDDGTNDYAATVKQIIFETTGDESI ECDVI
PRGKKFIKVR CRAMVESTTMINSIYDELGEMESTVMKF
>comp7592_c0_seq1; 240 66 527 LEN=1773; translated
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NNSRKDSSDKSNGKQGNDR TKNDLPPWME SHVDYRRVNPLVALHNEIVAFTRLM EPRREE
MKIREELLEKFTNLAKSTFKNCKVDVFGSQATG
>comp7592_c0_seq2; 451 66 1566 LEN=1610; translated
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NNSRKDSSDKSNGKQGNDRTKNDLPPWMESHVDYRRVNPPLVALHNEIVAFTRLMEPRREE
MKIREELLEKFTNLAKSTFKNCKVDVFGSQATGLCLPTSDIDIVIQLEETEVPKMEETTK
KKGKRKKSISKQOELEDMENWDKPTGSPLSLLGEALRENWLDDLSYLELIENTRIPLVKFT
HAPSKISIDVCFNQKTGPHAAALMKQYMDALSPLRPLTFFLKKFMASRGLNQPYTGGVGS
FLLQMMILAFLQHRERDCYNNRRPSQYCLGALLLEFFFEFYSTDFNFVLTGISVRFDGYFF
PKGATDRKKNFWQTNRPFSIAMENPLDPTFDVGSFSFRIDLVRQSFIEIAFKVLLSHVSEP
IIPNTSILRSILEPSDEMWERQRQTTPTFAPPGTQVSADHVPPKDKKEDSELLVIFNFWG
YYSLVKRHRKSTLSYQTEM

>comp7592_c0_seq3; 457 66 1478 LEN=1611; translated
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MKIREELLEKFTNLAKSTFKNCKVDVFGSQATGLCLPTSDIDIVIQLEETEVPKMEETTK
KKGKRKKSISKQOELEDMENWDKPTGSPLSLLGEALRENWLDDLSYLELIENTRIPLVKFT
HAPSKISIDVCFNQKTGPHAAALMKQYMDALSPLRPLTFFLKKFMASRGLNQPYTGGVGS
FLLQMMILAFLQHRERDCYNNRRPSQYCLGALLLEFFFEFYSTDFNFVLTGISVRFDGYFF
PKGATDRKKNFWQTNRPFSIAMENPLDPTFDVGSFSFRIDLVRQSFIEIAFKVLLSHVSEP
IIPNTSILRSILEPSDEMWERQRQTTPTFAPPGTQVSADHVPPKQRRL

>comp7592_c0_seq4; 240 66 527 LEN=1772; translated
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NNSRKDSSDKSNGKQGNDRTKNDLPPWMESHVDYRRVNPPLVALHNEIVAFTRLMEPRREE
MKIREELLEKFTNLAKSTFKNCKVDVFGSQATG

>comp7593_c0_seq1; 401 586 1979 LEN=1979; translated
MPSPRRRKSAAASRYLEAIQIQCGGGTTNVYDEGNVRGRPIPSRNNDSRTRTRTESRNG
NDGNRTSTVNINGMSCSGNGYTPVPVASGCHPVSSSGPAAKAFRSTPIDRRSGSRTTSTF
KTKSSGNPQTTSVYEKISVAGKAADCSRILTASTAMMADPSYDSISTSTTTNSPGGIF
KKKQNNKKKSSPTRPSRRRGRSPTQVPHGTNSISSSTQNRDTGGRYSRSGNYTGALEH
RVVAGDKDDDDNDIPGIPSGNKMNRDTHKHYRHQPQTTPAPLSGESPSIPRSPHRL
HSNLTTPRKNNGNSPCSPDDETTKTGPMTPFSVESTSGINEDGEGRIGSHDDSDSPA
RFLRDVPLEEEQHEHENENHVNEHFGEDETGSTSHYYQRKQQQPRSFENRHSSKIISYPGS
PGKGLFPKTNPRMPDSPGQPRPNSPSRGTGSLWKFRQAQQQQRQX

>comp7594_c0_seq1; 164 1 646 LEN=676; translated
RPQHNPAPPKGFSSQRTIDGAIARRANRGRGQQRGAEQAPPKRPLSAAAAARPPKRPAPAAA
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RKEVAFLAAEVKELRADQNEREQEGERAALVPGTQNEASDSGRGAGLDAALAPMDRMHEE
KRRRHEAQLLRDHPGFKPKRRLRDLRPVEAAPGQ

>comp7594_c0_seq2; 614 375 2789 LEN=3065; translated
MITSLLMIAASVSNNGNLFLAMLLLAKIIPNADAVWYSEVCPTHMRYKVRIDPSTGKIVQ
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RMWRNLGDLETDALVVHSNTMTYEHEEIRVQLADEDPASLADQFLDRFRPADHSTDDL
GWIIPRFLQMMGNDESSADEADLIYFHDTLQEGEFFVKPCLCESSRWTFLNEIEIPSD
YNGTSDALIKESPNSYGSFGQGINPSNLGQYPNGEYAYVPPGANSKQGQWDDLPLYLCNE
RAMYCGIPTDPIPVKCYEQNMRDTIARNAPLILLWYLGLAICCCCTVHGRTAGDYVQD
RVSYFCKKFLCCFWEISYDFNDRMLHRMIADDERENRGRSQENVTPWFYSNQRRMFERSL
LAQVQWIWRHQEFLEMERREQGLPPPQIKLRVKRFSMATTTQGSDDGGFLGSTVPPVAV
TKTAAASPHLHSVCTATEATNATPRDNSRKGITASVGESDAAAMI PGKSSASPSAKMTPA
VMSLVKTSNLARNKDNDRNDKDKDNETNSTEPEADSPPLETNSNGNNDTDEPEFITLTL
GPSAENDDEHDLGQTAECGGDDCLCRTRSSSDPPHEIHHCKNDSADSLAAPTCTICF
CPFEDGDRIGDLPCRHEFHVECLKGWLQRKNACPLCNAPVGRPERADPQGAASLDASQH
SIGSLMQRIRVLQQQNRQRQQQQQQQPPGGGEGEGGATTGGGQAPVAEVQRTYRVGMIG
SISTADDIAATQTTFRDNRWFFSG

>comp7595_c0_seq1; 203 247 669 LEN=904; translated
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VIPKHRDGLTQLSKAREDQKALLGHLVYVAQKLGQEECPGGFRVVVNDGKDGAQSVYHLH
VVSPSCILNWKMLAEWSIF

>comp7595_c0_seq2; 215 247 651 LEN=771; translated
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VIPKHRDGLTQLSKAREDQKALLGHLVYVAQKLGQEECPGGFRVVVNDGKDGAQSVYHLH
VHVMGGRQMWP

>comp7595_c0_seq3; 203 197 619 LEN=854; translated
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VIPKHRDGLTQLSKAREDQKALLGHLVYVAQKLGQEECPGGFRVVVNDGKDGAQSVYHLH
VVSPSCILNWKMLAEWSIF
>comp7595_c0_seq4; 215 197 601 LEN=721; translated
MSSDEVQKAQEAAANNAGDALPPTIFDKILSGDIPANKIHDELICIAFRDVNPQAPVHFL
VIPKHRDGLTQLSKAREDQKALLGHLVYVAQKLGQEECPGGFRVVVNDGKDGAQSVYHLH
VHVMGGRQMOWPPG
>comp7596_c0_seq1; 373 200 1248 LEN=1507; translated
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SGYSDSIRKRRQYFDTMDRLSDDLTKFVEIDIRKXSVFVLGESFGAMVALYSILKEQQAN
ATAVADGYVMAGPAITLRPEMLPPRFVIKIVKVLARFFPSLKMGPVDIFSTFDDAFGDPR
WAEAAARADPFIQEAQVSAPLLGMMAASTLTASDNIVASMDRVEAPFFIVVGNEDTRVVIPI
SERLVQLARSNDKRLKIVENDRHMLFQDKAEITAEVINDIKEWILARSH
>comp7597_c0_seq1; 248 1 1025 LEN=1025; translated
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QKKEALRDLVQVCFRNLVQRNHHQEQRQLQHHQERKMGVPEGKIPLPFLVVNTDKSA
ETKCDMSKDLTFITFNFLPFEVSDNTILKGMEMDRTSSANLRQMFPELRLRYCEANRL
TDAVLGRGDPGEEAIPTTTTPRSTTPTGTAVNSTSTNTTSRTTSPCTSTTAPREASRSAGG
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RRPTRCTTTTTTRGPRPWPPPAWAAAGTATRTPANNEVLAD
>comp7598_c0_seq1; 422 135 848 LEN=974; translated
MAFNRLFKEHIEGLIQTDEVAESVPCADIMSLRECRKGGKACDEIGLDLLRCMAQFKVD
TTEKVRTTIGVAKYNEYVKEMEDKHGNEKAAQIINEPSEQLKDIEAYQVLHRIANDTHPK
GAPKTKDDLNNWSYADQVRLEMGEWWDVAVKIIIGYEFGLAKADALFGLKKENDMIHSAQ
SRLIPGFAERKANALVAAKVEDSVKEAAPGGKTAADFKAADFDDLYPSKDDLEAALK
>comp7599_c0_seq1; 334 1 944 LEN=966; minus strand; translated
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TKDLLLEDVTSWLRQSDSASSNDCSDQTKHVVKCPFSWVAGLSLQNNVTFFVREYFEE
QSTTWKGWELSEDKDKLGFVPSPGVAKDADSKIILDFDYSQKIRSVTFFFMKSYGTKWEN
SELNAKVWSTPSSSDQQVLLVERNMLGTHSKNTSEMYTEEIEFQPVDAAHKIQLEIKLV
GGETFKIMGLALCR
>comp7599_c0_seq2; 231 1 787 LEN=809; minus strand; translated
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TKDLLLEDVTSWLRQSDSASSNDCSDQTKHVVKCPFSWVAGLSLQNNVTFFVREYFEE
QSTTWKGWELSEDKDKLGFVPSPGVAKDADSKIILDFEVKNTSEMYTEEIEFQPVDAAHK
IQLEIKLVGGETFKIMGLALCR
>comp7600_c0_seq1; 317 532 1815 LEN=4329; translated
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KPIDIVDCSTTLRSQSAMSQTNYSNRDSCGELPINMKEKPFQSNHPRALQNAAVLPSK
RKRKQKEVTFAGFPTLVMKQDRIDKVFCEFLDAVTLVSYVRPICAYSKRERQEIWYTRAE
EEAMRKQAFIEDRIQIENSIKSNANADSVSTQASTMNTARVGERLYHRRYRNHYKQAAV
DAVLQEQIRQHSMCRIIYGKRRSAGRNSNSHYSSGILDPERLRKVYRSRGTIQSQKAA
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FGDFGGL
>comp7601_c0_seq2; 300 1 1128 LEN=1225; minus strand; translated
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SVELLGEVGGQDSRHNVDPLPRVRRKAKDQNRIDSWGVRVRSAGPDGASVLLPRVQSPG
RGGQVRVIRVQWCRTVDEPPVPLQQAVQLQVQRHDRGKETKGMASNRKARFVRLRCSTDR
LATVARFDAAAVASEVFALLIVFAFAIACSRSSWCIRVRDRDRAGFVWKRMLLLQMPLLP
LLLLVMPAPPSTPVALLSWWLLPRLWKDAELFFIWEGETDAIWSACTNFINGMWLALLA
NRFLVLSGRNTGSTY
>comp7602_c0_seq1; 444 101 1666 LEN=1732; translated
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PRDRSGTTGNPCRSFCRWYCWRRIYQEWGKDWFFWLAYKKTAVLFLLLFCSYALIICF
FGFIYLSLSIFGSKAEVNPDGSTKTI AFCMDINDHMEAMYFSLSTMTTIGYGVSDYYFG

GCYSPLLIVLMQICTAIVFDAVAVXPDFPDLAGGETEPVHSVQRQGDPRPKRAGGPPPDV
PPRKAQAPPDRGNRPVLLHTARADTAAPRRRCVSHRNDVLCPTDEAAAARRQVWFPP
VDGPAAGRRAPDDETSPLCPSAPLWFDVLSSESHRYPPPGGGGTGGTGSSNNGERSFPSP
DYLKANEGCIKEFLYDRDVEVVVLVDGTDEGTGAATQARHSYKLCDMTWNHRFAECVHPY
SRRQRSGPSNLDPVVSIIDFAFHDTTEVPLDCEECAYVPKQ
>comp7602_c0_seq2; 447 101 1851 LEN=1917; translated
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PRDRSGTTGNPCRSFCRWYCWRRIYQEWGKDWFFWLAYKKTAVLFLLLFCSYALIICF
FGFIYLSLSIFGSKAEVNPDGSTKTIACDMGTCQDRILTFRCRGPVGRLSFVLFRAVWE
TRAVLTDFFRFFALNVLLACLPTPHHTAPHHTADINDHMEAMYFSLSTMTTIGYGVSDYY
FGGCYSPLLIVLMQICTAIVFDAVAVXPDFPDLAGGETEPVHSVQRQGDPRPKRAGGPPP
DVP R RKAQAPPDRGNRPVLLHTARADTAAPRRRCVSHRNDVLCPTDEAAAARRQVWF
PPVDGPAAGRRAPDDETSPLCPSAPLWFDVLSSESHRYPPPGGGGTGGTGSSNNGERSFP
SPDYLKANEGCIKEFLYDRDVEVVVLVDGTDEGTGAATQARHSYKLCDMTWNHRFAECVH
PYSRRQRSGPSNLDPVVSIIDFAFHDTTEVPLDCEECAYVPKQ
>comp7603_c0_seq1; 549 137 1363 LEN=1559; translated
MMLLRNLISALIVLGVSVVAEQQGYDDAAQADDAVQAYDDAAQANDDAQAYYYDNIDYS
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GYLQYYMQIQEDKGYDDYELPEVADYAYCTRVEIQNQELYLQIGCSDESPNSIAVNIYED
NTCTKRSTSIDGYDDANIDVSEIQLPFKHCQSCVMWVDKNDDEIDDMFYENRKQNAPLCS
TAWNFKQECRDRKRRSGLESKTKDGNWTPDKVLLAILAVFGFGLIAILQKRQNMNSKDA
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>comp7603_c0_seq2; 289 148 732 LEN=928; translated
MWVDKNDDEIDDMFYENRKQNAPLCSTAWNFKQECRDRKRRSGLESKTKDGNWTPDKVLL
AILAVFGFGLIAILQKRQNMNSKDALLEQAAMTAAGLQVHVIGIFFLIIIVITVFALL
QLKNITWALLIMNTTLFGYLMKLTVDGVSAGETVIGPDGTIIRHADSDDSSVESVTQ
TPRNAGTYMLPTIS
>comp7605_c0_seq1; 316 1 1067 LEN=1159; translated
XSSDLLKRRKLITLVTQKSHKVTRGPQYAPQRVKKAADLTKEMLDSGSWETTEFKPYNFL
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HDTFFIKNPAETVSPEDYERVKEMHEKGGHGSIGYRYDFKKEEAFKNLLRTHTTAVSS
QMLYKLANQPGGFKPARYFSVDRVFRNETMDATHLCEFHQVEGWADYNLSLGLDGLTIE
TFLNKIGITELRFKPAFNPYTEPSMEIFGYHPDLKKWTEIGNSGMFRPEMLRPMGLPE
DV RVIAWGLSLERPTMIKYRINNIRD LFGHKVEMARTRTVPISRYDYSVGAAKPTD
>comp7605_c0_seq2; 508 1 1612 LEN=1704; translated
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GKLSMGDLQAKVGDVAKIGMGNCMKSKWIKKEGGDLVALKKDDEVEDTVQKLLLDLKA
DDKTAKDLKRRKLITLVTQKSHKVTRGPQYAPQRVKKAADLTKEMLDSGSWETTEFKPYN
FLVLGEKVGGGYLHPLLKVRAEFRKILMEMGFQEMPTNKWVLESSFWNFDSLFPQSHPAR
DAHDTFFIKNPAETVSPEDYERVKEMHEKGGHGSIGYRYDFKKEEAFKNLLRTHTTAV
SSQMLYKLANQPGGFKPARYFSVDRVFRNETMDATHLCEFHQVEGWADYNLSLGLDGLT
IETFLNKIGITELRFKPAFNPYTEPSMEIFGYHPDLKKWTEIGNSGMFRPEMLRPMGLPE
DVRVIAWGLSLERPTMIKYRINNIRD LFGHKVEMARTRTVPISRYDYSVGAAKPTD
>comp7606_c0_seq1; 153 1091 1381 LEN=1509; translated
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LIGDLPRLEKLEFDSDSLESIPASCSRFLEEDRAV
>comp7606_c0_seq2; 153 949 1239 LEN=1367; translated
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LIGDLPRLEKLEFDSDSLESIPASCSRFLEEDRAV
>comp7606_c0_seq3; 242 137 1144 LEN=1272; translated
MESASREEDGVWIVVEDQDLELDGMTLVADRESGDIVGLSSRSCSNEQKRSSMPSLKDHP
NLKVVLDLHNYRYMRHLHESVCELPDLRRLTLTRCDLLQKLPASIGRLDQLIELDLFDSFQ
LAELPEEISGCRSLKRLRLGGSPGVANKSLQRLPESLGNLFCLEDLQLDKCKRLKTLPS
LGGLSNLLRSLRECKELKFLPPTIVRCKLVELNLLKCSLALPPDIGGLRHLEDLNM
MKCKAMKQIPPSIGACEYLSFLDLRNCKSLTELPDELGSLRRLRILYLSGCTGLLEIPD
LIGDLPRLEKLEFDSDSLESIPASCSRFLEEDRAV
>comp7607_c0_seq1; 562 1 1581 LEN=2163; translated

XQNAAHRHHQATGNRRVLVSYQATEKPSPTSIRTEVI PRDSSRASERTSGLSLPPHTGDG
VVSSTSESRTSRDDTTRHDSTLHEKTPHEMTRVKKEKRARIASSAAESGTLEYPVGTLLA
VDLYGHGNFFEAVVQSTDELQLKGVVQYADKAKTVGALPLLDWIGRIVFVLHEVATVS
LCCGICFPSSGLSADAPECSSHAYPFLMLRVLALSFCAGTIDLNDTKTVELVDENI ISLE
DCADDTLSSTDKGFLGRRLTVQWEDNKRYSGKI IKSRLDQKNFVFIHYDDGDKVWYNLSP
DNERPGRRPATKTKTGAKSKIKSEEEDESASIARRFEKARMELTKKYPVGCTIAVDSYH
DEHYHEAIVRKYFPNPSKTQQTKGEQWVYLHWLDKDKTKNWVDLNCIKAIKVVPEKIIRL
DELTDMDKGFLGKRIVVQWKDGNKYCGLATKCAKDNKHFLFLEYDDGDRCWCDLQRESY
WSIDGEEAFDDEEDEDFCGESSESSDDGGAPSRTPRKRKAGAGQGF

>comp7607_c0_seq2; 609 1 1396 LEN=1978; translated
XQNAAHRHHQATGNRRVLVSYQATEKPSPTSIRTEVI PRDSSRASERTSGLSLPPHTGDG
VVSSTSESRTSRDDTTRHDSTLHEKTPHEMTRVKKEKRARIASSAAESGTLEYPVGTLLA
VDLYGHGNFFEAVVQSTDELQLKGVVQYADKAKTVGTIDLNDTKTVELVDENI ISLED
CADDTLSSTDKGFLGRRLTVQWEDNKRYSGKI IKSRLDQKNFVFIHYDDGDKVWYNLSPD
NERPGRRPATKTKTGAKSKIKSEEEDESASIARRFEKARMELTKKYPVGCTIAVDSYHD
EHYHEAIVRKYFPNPSKTQQTKGEQWVYLHWLDKDKTKNWVDLNCIKAIKVVPEKIIRLD
ELTDMDKGFLGKRIVVQWKDGNKYCGLATKCAKDNKHFLFLEYDDGDRCWCDLQRESY
SIDGEEAFDDEEDEDFCGESSESSDDGGAPSRTPRKRKAGAGQGF

>comp7608_c0_seq1; 560 97 2136 LEN=2222; translated
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QCSARRDQRYQHFKGKDI LNPRDLLKLVSDQKDSLIEQLKVDYGEEHFTNIFMNKDGT
PFVVPVGDSSSELLKRKLMIKVLSAMKNLRQTESSFHGCDCIHGDVGIASPPAGVETKQAS
GDN NATSTFDSSFEKYVWATGGHSASAAHGNLYNESYTA FMERDLKDVFGSIGIDFYGRN
YAMGGTGSAMEVSMCWTEIFGADVDFFSWDYGMTDAGEPYRLMHYAYRGSVSPGRPAFMG
IRVNLDRYEQDKLIKHLAESGIPVHIEDNPSFSKMRKGI PDSFGLDQAALTAMPEYVRNF
RCQDMYEKGEPEYCE TEKYTKELCEDRRGKAPWHPGIKTHAMVGHALSFLIENLQSALKE
LIKNOPEVEILL SRLKQEEENLFDTKISRASFEDYAKKLFYARDKENIESVDPTIFYT
NSMCHTARTPAETRYLGYLTNTDKVGGPAPIGSETYDVGVEDVDVPLDTEEMVLTWQQDE
KRQADCPVAVSIDYKDSFMSQGGNWN TLVFPNDAERAAAYGYDPQQQVKG YVLVAFRTCDW
DRCEEK FVGHKEFDAEGTSWEMKVNGVAVEKLV DVGHKVHLLKGTNGFVFKPTENNDYKF
EIKVNIPGKYVKVSSFIVV

>comp7608_c0_seq2; 415 97 2394 LEN=2480; translated
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QCSARRDQRYQHFKGKDI LNPRDLLKLVSDQKDSLIEQLKVDYGEEHFTNIFMNKDGT
PFVVPVGDSSSELLKRKLMIKVLSAMKNLRQTESSFHGCDCIHGDVGIASPPAGVETKQAS
GDN NATSTFDSSFEKYVWATGGHSASAAHGNLYNESYTA FMERDLKDVFGSIGIDFYGRK
YVSLSSNELMWFVFGHHA DPLFDLXNSACL LLLTNETIVGSIDCSVIDSLSYSYAMGG
TGSAMEVSMCWTEIFGADVDFFSWDYGMTDAGEPYRLMHYAYRGSVSPGRPAFMGIRVNL
DRYEQDKLIKHLAESGIPVHIEDNPSFSKMRKGI PDSFGLDQAALTAMPEYVRNFRCQDM
YEKGEPEYCE TEKYTKELCEDRRGKAPWHPGIKTHAMVGHALSFLIENLQSALKELIKNO
PEVEILL SRLKQEEENLFDTKISRASFEDYAKKLFYARDKENIESVDPTIFYTGNMCH
TARTPAETRYLGYLTNTDKVGGPAPIGSETVSTPAGDWQHLHSSKDLFPHLCFASICLSL
QYDVGVEDVDVPLDTEEMVLTWQQDEKRQADCPVAVSIDYKDSFMSQGGNWN TLVFPNDA
ERAAAYGYDPQQQVKG YVLVAFRTCDWDRCEEK FVGHKEFDAEGTSWEMKVNGVAVEKLV
VGHKVHLLKGTNGFVFKPTENNDYKFEIKVNIPGKYVKVSSFIVV

>comp7608_c0_seq3; 527 97 2230 LEN=2316; translated
MTSFLPMEIKSSVDEASDAKRRRLLGRYRYHFGVLALALFLLLFTSSSTTKKSNVAVCQQ
QCSARRDQRYQHFKGKDI LNPRDLLKLVSDQKDSLIEQLKVDYGEEHFTNIFMNKDGT
PFVVPVGDSSSELLKRKLMIKVLSAMKNLRQTESSFHGCDCIHGDVGIASPPAGVETKQAS
GDN NATSTFDSSFEKYVWATGGHSASAAHGNLYNESYTA FMERDLKDVFGSIGIDFYGRN
YAMGGTGSAMEVSMCWTEIFGADVDFFSWDYGMTDAGEPYRLMHYAYRGSVSPGRPAFMG
IRVNLDRYEQDKLIKHLAESGIPVHIEDNPSFSKMRKGI PDSFGLDQAALTAMPEYVRNF
RCQDMYEKGEPEYCE TEKYTKELCEDRRGKAPWHPGIKTHAMVGHALSFLIENLQSALKE
LIKNOPEVEILL SRLKQEEENLFDTKISRASFEDYAKKLFYARDKENIESVDPTIFYT
NSMCHTARTPAETRYLGYLTNTDKVGGPAPIGSETVSTPAGDWQHLHSSKDLFPHLCFAS
ICLSLQYDVGVEDVDVPLDTEEMVLTWQQDEKRQADCPVAVSIDYKDSFMSQGGNWN TLV
FPNDAERAAAYGYDPQQQVKG YVLVAFRTCDWDRCEEK FVGHKEFDAEGTSWEMKVNGVA
VEKLV DVGHKVHLLKGTNGFVFKPTENNDYKFEIKVNIPGKYVKVSSFIVV

>comp7608_c0_seq4; 448 97 2300 LEN=2386; translated
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PRPFVVPVGGDSSELLKRKLMIKVL SAMKNLRQTESSFHGCDCIHGDVGIASPPAGVETKQAS
GDN NATSTFDSSFEKYVWATGGHSASAAHGNLYNESYTA FMERDLKDVFGSIGIDFYGRK
YVXLSLSSNELMWFVFGHHADPLFDLXNSACLLLLTNETIVGSIDCSVIDSLSYSYAMGG
TGSAMEVSMCWTEIFGADVDFFSWDYGMTDAGEPYRLMHYAYRGSVSPGRPAFMGIRVNL
DRYEQDKLIKHLAESGIPVHIEDNPSFSKMRKGI PDSFGLDQAALTAMPEYVRNFRQDM
YEKGEPYCETEKYTKELCEDRRGKAPWHPGIKTHAMVGHALSFLIENLQSALKELIKNQ
PESVEILL SRLKQEEENLFDTKISRASFEDYAKKLFYARDKENIESVDPTIFYTGNMCH
TARTPAETRYLGYLTNTDKVGGPAPIGSETYDVGVEDVDVPLDTEEMVLTWQQDEKRQAD
CPVAVSIDYKDSFMSQGGNWNLT VFPNDAERAAYGYDPQQQVKGYVLVAFRTCDWDRCEE
KFVGHKEFDAEGTSWEMKVN GVAVEKLV DVGHKVHLLKGTNGFVFKPTENNDYKFEIKVN
IPGKYVKVSSFIVV

>comp7610_c0_seq1; 182 186 806 LEN=957; translated
MVALLV VAGPNRDSVADGFIVGAFKKVEKDFLSLTRRV TARHILVPDEDVARVLKQKIR
DECVDKELWVIDAFEVAARKYSRDETTNFRGGLLGELVFPQGYCRSPELDRLQFSVSLGEI
VGPVETEYGYHLLLVSERTNCPKLDGDKTRMMQTRGDDVFGTLLVEGKQVGVKVDMPPELLMD
QVKFWSLTLIAGGLVAELAEKLVSNL

>comp7612_c0_seq1; 333 347 1537 LEN=1945; translated
MGWKSVMHDAKLGHRPRLKGNWERDGM YDAFPDLLDRLERGENYKSFYIDDETAERWKKT
QVPALLDAQTLTREA FHQYERDSIPSI IKNIPAGYDGGKYVGAWGATEHWKLVLRNDA
ILERKFKCGEDDDEKTIKVKLEDFLCYMEENRDDSPLYIFDSHFLDHKDADRLRS DYSVP
SYFSDDLFRFISESRPPYRWLLGPKRSGTCVHIDPLATGAWNTLIVGQKRWVLFPPHV
SKKVVKGSGLVRDDEDEAVHYFSFILPRIKKAAMLKGLPKYKDFCCFEFTQNAGETIY
VPNGWWHAVLNLDTVAVTQNFCS PRNFDES WIKTRKGRKRM AWKLLCALEQNGYPELAE
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>comp7612_c0_seq2; 117 347 1009 LEN=2088; translated
MGWKSVMHDAKLGHRPRLKGNWERDGM YDAFPDLLDRLERGENYKSFYIDDETAERWKKT
QVPALLDAQTLTREA FHQYERDSIPSI IKNIPAGYDGGKYVGAWGATEHWKLVLRNDA
ILERKFKCGEDDDEKTIKVKLEDFLCYMEENRDDSPLYIFDSHFLDHKDADRLRS DYSVP
SYFSDDLFRFISESRPPYRWLLGPKRSGTCVHIGKSSY

>comp7613_c0_seq1; 309 1 1180 LEN=1376; translated
XQQYSGVHLEPKDYHKKLAESNTVI IDVRNHYEAAIGRFV PPTKDDSGAQTDTKATEGPK
WIDPKMRKSTEFPAWLDKEETKEMMKGKQVLMYCTGGIRCERASALLQYKMETDES VKDL
GIKGVFQLQGGIDKYFKEFPDGGYWKGNVYFDKRF AHAPKIDGELHGRVIDKDDENDS
KLPANAHVMGKCEACHKPWDMYRGKRR CPTCGVPSLICKDCFLADKEGRKKGKEVRCDL
CVEQGI FSKRQYRENDERFIQDYESKMTAKGLLLPNAAAQDPEVDSAVMAPNP KGITRLV
LKNMCRKKMTEDALMEALPGITHI VVNTQRNRKNPSAEPIFTGMGWVEMATPD DAARAVA
KNNQLKVFGRITIGIAFQAPDGKDVWPAPNSRVV

>comp7615_c0_seq1; 792 149 2899 LEN=3061; translated
MVS KAMDALQKQNL YRDHLEKIAKLC DKSGVTNESTSNLNDTDDFLDEEFDTKGVKSFA
DMLFSPEVTLNLLGLTGYGTPALPTTTT VPEFCDRVDKVLFSLNAFVNTCPTVSNFKYYS
SKCDPGYWC GCS DPSLERC FPSNDTKETYWAGKFT EYVKDSGTNETKPIYTGWASSY PD
DYFLCNSTMFC PGKSRNITACEPELCKEGHYCPTPSEITDCPEGHYCRIGSTKPTKCDFLD
SCSGTKAVNPGSKWYLVLVACVTVYCIACLYTAYLYLNKKFPFRQAEDDVI ELDEVEDEE
TAKSRKLTTRRQSSVTPKPKFTIGVQFRDLQLTLPNGICIMQGV T GELKGGQFTA IMGP
SGAGKSTFLSLLSGKTEPTGGTLAVNGEHASLKD YRKVVGFVPQEDIMIRELSVEENIRH
SAFMRLPASM SRKKLERVYQVMESLDLLRIRSSIIGDEIIRGISGGQRKRVN VAMELVA
DPSLLALDEPTSGLDSTTSSNL CETLSDLAKTGVNVA AVIHQPKIEILRTFSNVLLLGVG
GRTVYMGPTENMESYFDGIGFPLPDQMN PADYFMDVIAGLIPCEDNPD FRKEDLFDLWED
HKKKSGSVDDQNGKIRKPSKSSKSPGNRKATGF INQTYLLFKRAVLQRCRVPENTLIPV
ILSASAGALIGYFVRTMPQLYYGIPLVRDIENPQNNAASQYMRNYPSPPPQS QFAGIWIYT
ALAVMLVCIVSINTFGREKAVFKRELFSGTKPTAYWLAKTFESGLWIPL YAAIFVTVNM
LNNQPIPV IHLFLVIWVTMIGDSGIGHIVSLVVQPSNRGIVLLVSVLVLIMIFSGIMIKY
KGKHQVFKAFFTFWTAQGFYKGSVTPYEDVFDVKT LNDNMQGYELQDPFGFNILYGLMLTA
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>comp7619_c0_seq1; 403 1 1158 LEN=1213; translated
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HGCGDVPDRNVNPE SALVLAQLTANYISNLVEAACDSQEILNDGHRPPLPPPPLVSKEKR
RRPPLPSPYEWPPSAIAKPSKVAASKKKKATKADGTPATTTT DATNASSKDTGAAKPP
GTTKPNPASNKNPFGEKKKRKR RDIDYWD DPLPEPKIKNKPALDPA AVAAEKGEIVFKGV

PIGDWVGVAGVDFEFEDSRIRSAHVTLPAAVGAQNFI FFPVCHDKHLYGKILDIQATRRSIE
PILTDSVVMIRMIRAEADLQGLSFRKRRGRQEKRKNDGSGGADAQDDEDEEPEASDSED
EYSSRRRPVWPGLELLPMHTTLDF
>comp7620_c0_seq1; 288 343 978 LEN=1240; translated
MTHKIDRVKAYEDFLTFYEDMFLSKFGRIDELNVCDNLGDHMIHVYCKFFNEEDASD
AKEAMNGRFYDGRKMDVEFSPVTDREARCRDFDEEVCSRGGFCNFLHAKPVPMPPLVRSL
EAESEADRRRNKEDRRDREREERRARKKERKERKRSRREKSSHRDRDRGSRSSSSSKHDRD
RSPSRSRSRSRSPGEGGGASDDDYSKSN
>comp7621_c0_seq1; 896 155 1477 LEN=1752; translated
MIVLSPICKELEEFYFPYFYLQMEAEKKKQKTEHKGMFSSTPPKIVPVTVLGTGFLGSG
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VALKKLYDRVEKFDGVI IETTGLADPAPVVQTFVDEDEVKAKYRLDAVITVVDKHMAR
LKEEKPEGVENESVEQIAFADKVLNKLIDLPDAEELAKIEGEIKKINPAAAIKRTQHSK
LDPKELLNIQAFELDRVLEFEPDFLDEDEGEHMHDET VTSVALKVKGDPLNVNLMQRWIQR
LVTEDGANLYRYKGVLA VKGMDKFKVFGVGMIFSGGFDEQPWKEPEEERESRFVFIGKN
LNHEFLREGFMACRVTDKLRFEIGQEVEANVGEFTKGVVVKHWDEGNAYRIQLNNDKAVN
VWAPIDIDAYVRAPGSGGKA
>comp7622_c0_seq1; 404 1 1513 LEN=1980; translated
XRSGNMIDDDLASPEKPKKCCNIYDGNLDAIGYSWISVGRGMMIMSNLFIAQSLLFLA
ADAAGCNIEGETNNAETCKKKIYGFVPSLITNIAVIGGIASAFMMPICGALVDFTPYRR
LVGISVAIGLTLIQTQIYTVETTWTFAMAMLQAVSAVFYQLQLVTLNAYLIDVAQDVGES
RMNRFSTNFISILYASHLLFIFIVVAIQIAFGTSSVVLTAQISQGLNTLSTSLFFGVGWFV
YMTPRSARLLPEGRSLITEGFRQNWNTLKSIIHTQYRHGLRWFFLALVFAEACATAITVV
SIVYLTDTLKLDPQTSTIFFFISLVGTLPGCQLGWVWTRKTNPNNTSYKMSMGYLYVVLV
GALVLEEVP AHYSYVWAFLV GAGVGFYTTTEYLFFSTSLPRGQEAELSGFFIFCTQILVW
LPPLVFTLLNEINVRQKYGVVATSSFFLVAIGLLMLTSSWDEIVEEAKSGVAKAADIDND
TKRKP DGGDDDDVND CRNEQD VDDGG
>comp7623_c0_seq1; 209 1 290 LEN=290; translated
LKDVEDILNWIRSGKPDDELGLPTDEFKAI DQSLPAKKGQSPEDRARDIENALDYCRNTG
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>comp7624_c0_seq1; 1067 113 2914 LEN=2924; translated
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EKEPLEFRARLADVAVLAMTMSKPEDRESLKFKLSGDKDYDALAAMQGESKNESEDNLG
SWGHEFVRS LAGEIGQEYNQRLIDGADPDSDEAFEDLLKFVHVIVPFHLTHNAEAEAVDL
LIEVQRLKFLQLDSIDDKNFRRICLYLMKTASFMSDPDDLMELETAYE IYRKQKEYFD
ALLVALRMDRLDEIPVLMKECEDGLMCKQMCLMLARHRVNYEVEDDPEEDELNELIGNEK
LSEQFLKVAQDLVDLPKTPEDIYKSHLAETGGFSRRRDVGGAQVDSARANLASTFVNAF
VNAGFCNDKLMTPDSEWLYKNKDHGMMSAAASLGSILLWNVEEGLTQIDKFLYSNEEYVK
AGAALAVGILTSVGRNDADPALALLSEHVEGESHTMKIASCTGLGIAYAGTGREDVMELL
VPIVENTEGGPNTFMEVALAGLALGMVFGKCDNVGGTIVQRLMEASDEELDHS HARYL
CLGLALLFLGQMEKADAMIEALRTVEHKISKFAVLMLESCAYAGSGNVLKVQEMLHQCTE
HLTEDAQHQMVAVLGVGLITMGETVGTENVLRTFDHLLHYCELP I KRAVPLALAILHISN
PEFAVIDQLSRLSHDPDEIISONAIIGMGVVSAGTNNRSRVAGLLRQLSEFYKSKEASHVFC
VRIAQGLLHMKGGLMTMHPFHADRMLLNGPTLAGVLVLLHSCDLKNTLLDKSHFLLYL
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LGTEEVLSVSSILEGVVIVKDNPDYEEHDKDSK
>comp7625_c0_seq1; 666 103 1875 LEN=2160; translated
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IVHGYQGLGIDLSYLETVIKQACREQIGNSGNGSSYSQETADVDDDFVLVSETAPIDG
ESSRSLRSEQRKRLCDVVVHTALCNERRTG DGVINGDRLITEIREVVDTM KRRHPE
PESGAVTTSENEKQRPPRSITISILGNMGGLYGRYAI AKLISRHCVEEEAKDTKANPSW
ILDGRYKLG LNLFC TTASPHLGVSEHTWIRVPRLAELCIAFTMGQTGSDLFR TNGLLYAM
ATEAAFL EPLA AFRKR VACANCYGTDFPVPVETA AFLSEASGVPHRKLPEDEACKTGR TN
GAI VATLSTSPGPEDGDERAESCRIPPRGGRSEELHQMSVALDKLGWKKVFVDLRKEM
FSIELPGSLQTTQRRSRSDDEGVVGLGEIGGDQAIPSRDVVGAIERLARDDDNGGDRL
TLRVPTGHNMIVAFSRDRFASFLNRGGRSLVNELGT ELAREMLEWESDGC
>comp7626_c0_seq1; 588 125 2356 LEN=2424; translated
MDELLELMNDDAVDPQSAVHQLEDDSD EIQEEIPKGQIPRTRTCNKRRDRPEEDRASSTRA

YKKQSKPSNRQHKANLAEASVDDRLGIRMSNRLVSSNDLSELITDYTYHSPSVLSAMTLQ
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TIFLFGAEYGYKCTSCQKQKVIALLSPTLLPANRRDGDNRRESNSNTVFSVYNASQIKIV
ANARDYGICKATTSSRVKQSDGKWAVIAGKPKHYVNREISEYCEYHRKNRQSGMRQGN
KFQQLRAIHQETAPMVVATPARRGNLIGSNTSTKPNRFLNHTSFNNDRSRILQAKPCSNT
GSGSVMPSIGGNCNIPKHMTRQLPNKFLPKSATSKGKDRRIRGTTKLESFDHENRRAGS
TVYSVSANEHPADPSRTRSKTSVSRTNWMEEAATAKKRGPLHMGGRRGFSLSQFQEKR
RTSTAGNASFVTPANRNRKTASINTVGLGYDGTVFVFPKENKILFQQSASIQEIPAKRMVT
PINESDRTKQLRQQAEVAQRLQESTTKEKSSGLSSALVNSNVKQSSRRCRKGVTSEKGR
KSDNCEVDAFLAAMGGAVDEDKVRSASRFANEVAADYVKNRRKLELEKLEASNESRN
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>comp7627_c0_seq1; 270 130 633 LEN=928; translated
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ENTPEALVEAIAQQPVSAIEADQQVFQFYKSGVFDDPGCGNNLDHGVAAVGYGTSDDGK
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>comp7627_c0_seq2; 201 90 702 LEN=702; translated
MKLSLETLLLACFAASSTSAEVLDEQLQGAFFAWTKHHAKTYSSEEETRLRLGIWKENHA
FIEAHNSQEPPPSFTLGHNQFSDLTLDEYQEYNKLGYSVGMTPPRLRSFESTTAATKL
RKGRRLQDIPDSVDWVEKGAVPPVKNQGAHKNHRRPHFYASEPDGSPFRMSIRKVVHAVV
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>comp7627_c0_seq3; 356 1 1157 LEN=1452; translated
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FFAWTKHHAKTYSSEEETRLRLGIWKENHAFIEAHNSQEPPPSFTLGHNQFSDLTLDEYQ
EYNKLGYSVGMTPPRLRSFESTTAATKLKGRRLQDIPDSVDWVEKGAVPPVKNQGM
GSCWAFSAIVAIEGAHFLDTGNLTSLSEQELVDCDALDMGCGGLMDNAFLFDENSTGIC
SEMDYPYVMHRRWLRGCGSEKGECTPVEHTRVKSFTDVENTPEALVEAIAQQPVSAIEA
DQQVFQFYKSGVFDDPGCGNNLDHGVAAVGYGTSDDGKDYFKVRNSWGASWGDEGYILIS
RSIENNVNGTCGILSFASMPMLRDD

>comp7628_c0_seq1; 780 312 2840 LEN=2986; translated
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VMRSYSTSELREGSDPGVPAPARGSAYTTRSTSLPNLDADSVIIEHRRKINGEGYTLHR
YLRGKMLGKGGFAKYYLCTALDTNKSAYAIVKANLVKARARDKLAEKIHRTRLHMMN
VCAFKHFFEDKTNCYILLELCHNQSMNEMIKRRKRLTEPETAFFMRQLMEATKYMHELV
IHRDLKLGNLFLDKNMNIKVGDLGLATKLQSADEIRKTCGTPNYIAPEVIQGDRAIRGH
SFEVDIWSMGVIMFTCLVGVKPPYEAKDVKATYQRIMANQYKFPNSVSISSDAKNLIVKML
QSKPSDRPTLDEISVHPFLTSRFIPECLPSNATHVAPRWEASASSSAAQNAFSRPGLLKP
NTSRLPFVARDANVPSTAQRDERKKPPPSSTTNPSPMMQVQGAVKYAWSAVTSVASPSRP
VAQQPTPKFRVFDENDRQSSERDIVSRTANLIGIGATTREISPDNPSHRRRAEPASSNTD
SFTLNDMFERVSIVLDIVSSRDYSNPADSQLVPSVDGGPTKWVERYVDYTSKYGLGYL
LSDGSSGVYFNDSKKAIVEAQDNFEFIERRRSSEDP SRRNEPTVASHSLSKYPDSLEKY
VTLLRHRFRKYLIEQHQRSDEDI SRRPVGDNGSGMVFLKKWVRTRHAIFRRLSDQTVQIV
FYDHTEVLLTPDERYITYVDKNTTRNTYYMTDELVGCNAEIAKRLKYTKELQQLVTS
SPRR

>comp7629_c0_seq1; 264 362 1267 LEN=2540; minus strand; translated
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GFLEMMPMKGSRRQYLPVPSSTNASPSFSSDESGLSLFLHKTLTDEGIAFRGFPLESS
GFSTKLLKFVCWTFLSICLVHLVVAQFFDDRDMFLRLSYVWKYEGDLIVRDCFVFFVGR
LWEKPGIDHLAWMGALVANIYFESQNYIWFLOHVSVTLFQMHCMWPWELWIFALALIVSA
ALLILLHALKAWNERILFVKLTEMGLCILFFIAPMITSNFFHMHWHYAGWLMGMHFNVDV
W

>comp7630_c0_seq1; 497 97 1047 LEN=1245; translated
MTTEYSEKEMKKVLVFGGKTGWIGGLMVDMLKKEGIEVLPAESRMQNREAVAKELDEVK
THVFN SAGITGRPNIDWCETHKPE TIRTNVIGTLNLADLCLERGIHCTVYATGCIFVYDE
AHLPGSGIGFKEEDTPNFDGSFYSETKGYMEPMLRNYPNCMILRVRMPI SDDL IHRSFVT
KIVKYERVVNI PNSMILT EMLPASLAMAKKGLTG VYNFTNPGVISHNEVLDLYTKYIDP
TYTYKNFTVEEQAKVIAAPRSNNELDTTKLLRDMPEGVVINDIKTAYELCFQORMAKNLEA
QYGPLPDSLPEKFRV

>comp7632_c0_seq1; 276 293 990 LEN=1264; translated

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IQGANNDVWETRQLTEETKRELIALQAKYREKKNKLKVMIGLLAAIDLFXVFPTAALPRI
FLLLSNHKKQNEKIGSRNKSGFREENCGSCVRLRIDRYALGLSLRSQRLSVAVTNSMNL
IILLNSTLVMDSMSGWDVEYVSERMNEGRAETTLSSILPARGRIAHTPSLVSD
>comp7633_c0_seq1; 485 127 1816 LEN=2050; translated
MSSTSNVVDPLRAYLEAVTARLAVLEAHCGVNTASSPPSPGKASAALQKVPSARHIAAS
GKIFWQFVLTPWLVAGEKEETFYNTNISYDAPRTRSDNIFKFKXIGNKATESAAVKAFDK
YSNTTVYKFADVCDLIDIGDVGKLSVAFFEGMRYVILASKSKQPTDMTELVEHLKPITE
PMKEIRGLRLKREFDNHQKAICEMMACCSWVTCRAPAQLPGPFVKECVGSSDFWSNRIRK
EFKGDENAKLQIAFCDTLKAIVELSDYVTEYHKTGLSFNPKGTSLAESAIRMSDNPL
QDAAEANRKKDQHAGKSHDLNTVKGGNTAGIFSELANRRSEDGSSAATGLKKVTKDQQ
TWRKEFKGEVNKKIAVTSSNSPTTPKSVKKKKVGLPVLEYQERGTKWIIENHTKDTAKAH
STNGLLEVEITDPKQQVYIYNCEEVTIKIKGTKFKSVVVDKCTKVNVI FPTIISGCEIVN
SKKIAVQSDGICPVFSIDKTVGVSAYLSKESADISSFTTSMSEMNVSIIPDGDDYKEIPI
PEQFFHKITNGGLTSEVSELYR
>comp7633_c0_seq2; 252 124 777 LEN=1011; translated
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KWIIENHTKDTAKAHSTNGLLEVEITDPKQQVYIYNCEEVTIKIKGTKFKSVVVDKCTKV
NVIFPTIISGCEIVNSKKIAVQSDGICPVFSIDKTVGVSAYLSKESADISSFTTSMSEM
NVSIIPDGDDYKEIPIPEQFFHKITNGGLTSEVSELYR
>comp7633_c0_seq3; 618 127 1671 LEN=1905; translated
MSSTSNVVDPLRAYLEAVTARLAVLEAHCGVNTASSPPSPGKASAALQKVPSARHIAAS
ATESAAVKAFDKYSNTTVYKFADVCDLIDIGDVGKLSVAFFEGMRYVILASKSKQPTDM
TELVEHLKPITEPMKEIRGLRLKREFDNHQKAICEMMACCSWVTCRAPAQLPGPFVKECV
GSSDFWSNRIRKEFKGDENAKLQIAFCDTLKAIVELSDYVTEYHKTGLSFNPKGTSL
AESAIRMSDNPLQDAAEANRKKDQHAGKSHDLNTVKGGNTAGIFSELANRRSEDGSSA
ATGLKKVTKDQQTWRKEFKGEVNKKIAVTSSNSPTTPKSVKKKKVGLPVLEYQERGTKWII
ENHTKDTAKAHSTNGLLEVEITDPKQQVYIYNCEEVTIKIKGTKFKSVVVDKCTKVNVI
FPTIISGCEIVNSKKIAVQSDGICPVFSIDKTVGVSAYLSKESADISSFTTSMSEMNVSI
IPDGDDYKEIPIPEQFFHKITNGGLTSEVSELYR
>comp7634_c0_seq1; 504 173 2185 LEN=2387; translated
MFVPSIGIGRKKSHSSYCFPPAATSILVAVSLLHLLAYSSASAINIVDRPNTSFFSLAAA
LSSVSVTSAIRSSGSLGGSSLSASLISVTTTTPTTGNVFSSTAILASQKEFEGEEIDTSKS
QVETLPSDTSTDNRALSIPDTTSTSIDEASPPTVSNIEDGSSSENKNTMKKHIESLAASSP
RARACILMAIAMSLHFGGYEFARSAALALFTSSETGFTHPSAYPFAIGLVTPTTLLSLLYW
YGTLLKADGPRKALRKTTLVLAVLLGDGLVAILSSPAFSGAHNSLTLTQIAVSGLFV
FQNSYAHLIYTQQWSFLGSMVTPTEGTRWFTFVAGFCSLVCTLTASSVQSIADRSYGLVT
LVFLTCATLGLSMICADKAYQLSSEHGFDPSLELQKQAKKDEGKTTQATSGEGDNEEET
LLAKTGRMFKTSPTLAGLFGGEVIAFQSLSTVLNVCFVRQLKESMPIDGERAAFTGQFYAG
VNGISGLMQFFVLPLLRKYLEPQWIYRLLPMVLMPLLTAAVGP SANGLWIAAVSFFAL
KSTDYSIRGVATELAYQPLDFDARYLGKEVIGVFANRFGKSGTSMILSALTGMGIMAKST
RPMSQLAVGVGALWSACSFYLSQH VATNKQAEKVKQRRRGIASNQASSKGEDPTRGGQTD
PGDDNR IKED
>comp7635_c0_seq1; 148 346 684 LEN=760; translated
MRPDQLGDRGLEYNIVGFKGGSKNADLAKLLVEASKETGDELDFAVGKGTDRDIPRLVW
IMDSEQYPSYVAEQYHQFHDGFNFGENYPNSYNLGAQFGKAGEDFGSCPRM
>comp7635_c0_seq3; 309 125 1048 LEN=1124; translated
MTPSDSHRRSWSFFLCIFLSVSVQIAFAWQNSHPHQKRVSSLSRLFSVNEEAGAIKNAGG
RRSFFEACSSAAASVLLTSPSLAVLSGPQIAHAAGNDGEEELIDVYFGCGCFWHVQHEFV
EAEKSILGRSDNKVTSRAGYAGGNLGMKDGVKVCYHNFAQVSDYGKLGHAEVVSLRIPKSN
FKDFAIEYCKLFKNGMRPDQLGDRGLEYNIVGFKGGSKNADLAKLLVEASKETGDELDF
AVGKGTDRDIPRLVWIMDSEQYPSYVAEQYHQFHDGFNFGENYPNSYNLGAQFGKAGED
FGSCPRM
>comp7638_c0_seq1; 155 552 1622 LEN=1938; translated
MTNVVMRLAHNRGSEMFGYHLRLNNTTAAASQDEFESQKKKLQSNWKSPPRCEYRSNHGTA
VQLEYSQRKPGRSFLFGMVRDPTKRIISEFFHFGVSVYQKEPTDVNFQNYVLRKQGGNPL
IRDMTFKDLPIITITKEWQQYLDQWNKSRAGVALGASEADPVSSPNSSINYQTVVADILR
NYDFIAVTERMDESLVALKLLGLDLRDLVLYVKPSRSAGSFSNGFKDRPCVYLVPSFLTP
GMHDFHFKPNSNARWTEYSKGDRLLEHAASRSLDATIEHVFGEFFRKELEDFHKAQAYV
EGICADRIVDICDQSGHDVARDPNRTTTCYIWSEGCDHECFDNEIPNPLPDSVFGR

>comp7639_c0_seq1; 221 263 880 LEN=930; translated
MKKIILLTYEFTYSPFSGNGILARSLVKSFLGLGCTVTVWCCRPSDGNAGGGFVAGNKGS
ASDNTTTTTTSSNKNKNSPAANSSSNINAVDRVPGSTHTQRRSPRRHSLPPCLPSQASVS
LSQYCLNPIVERKLELDLMDFDYWWRELDRTQYYALILGYTEGTWDEDLSLDDLPCEDW
DWDEMTNEQRSAAIHFGYSQDTWED
>comp7640_c0_seq1; 267 44 1069 LEN=1658; translated
MPCYNLWDHGDGLDIEIPEEIFPDETRKEKDILFDHPQHGYFESCYQGKLLHYRKNLPPE
GTPIRAIVVWQHGIHGHSGYGMKCS DGRFTDMALRIRMMNAKGYAVYSHDLLGHGFSEGE
RFYIPNGNWKINRDDLINFALLVADNHPEDTPLILSGDSYGGCLAFHAAHVLTQTEKPELA
STRFLGCALNCPSFHGDIPSLPVTFLRLYGLAPFFPLWTPFFMHPHPITPERCWRETEPRA
HFTDQSQIHGLSKGGKPFCLGTAVGLLSALQASQVLIPIFCLPFHINHGSDDYGVPLSGS
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>comp7643_c0_seq1; 543 2344 3641 LEN=3641; translated
MKATEYYQGKVRRIYNEGSAEKLLHGNFAGGFILKIAVAFVPPIGTTKTAFRITISNGTS
LYQAGKGGGNNNGTGKKS FQKKMKLTTIGDLQKELLKNPQYGRPNEQKQNKRRKRRRTR
QRVDDPKQKYVYASQRRANA VEGHDLENKANVQNIPILEAKKMGLTSPANQHCDALVNA
LEPEIMGQIRVEDDGSNGASGAYAYLINKPAGWSILGEKQKTKKKQQLTNADRSTFDGA
KRNKSGSKKLSKTRVKIKGEDNDVIEFDESEIMALLTPEERAMVEAESATDGNTFRDIPG
WYIESMTSLEREEAGIEDEDYDPSDIPDFDEADI IALLSKEEREEYEADKLEQKKQNSKG
KKGTKGADMQSKYKSMTEEDVDES AVENLKRIKARLTSTKDGSDAGSFSFQRPSLVSWL
KDKKTAEGNPIRX
>comp7645_c0_seq1; 1619 179 4471 LEN=4643; translated
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DAGQDQVDNIPESDADSNPSGESSNKSSSSSSVTIHNKDSSSKGNKGAENAESSVGVKS
HKKSNGVGD PDGSDDDDDDDDDTDDDLDSLSEFSEEWEEIEETYDQFANDVFEPQVEVKVE
LVEEEEI LDEEQEVDSGSSRS GSIAAKGGGGVGVRLGR IANRRKNSRRKSSPAKPSYDQA
RLLSAWNPFVYFPPTRSGLDFLSNNARILDASSKSR LDRRTLYAGLLEW GATNTKLSS
TRKFLPASSQALQAALS IATQPTWRQSAPRTSGIRLYQDAESTKGSTLGMQETVAMALA
HSLGCGMLILDDHVINKVRHQMANCGLSDGEMKPAALIKSLLSLASQGELKEGENSGSIS
ACMKRDILLGLDDPYDERAIISCDDMSMWEKEWRKELQGS SSKPKPLPLLI FIRTNT
STNLLKSKSAMELLIN ECASNDSIHLVTLGKGIDATTSSLPTEEFENSQDQEENTLGDTE
NSTPFFGFSNQPNASGQNDPEGSQRFNIFL SRTIDQNOQP GILGAIASPQAGNLFPHMM
AIQARERLQHEDEDS PARAELEKWAHMLQEHMETNAGKDAVIPPQFFNASLAYTSEDED
GEQSSISPPEVVEQV LQQAMSELLDRISKMSHESNPQSEISPDLQKAFQVLRSENLR
RGIAENLARAAPALSDPKCQGVMLSVYVPPPHHMRGQLP GPQNGTQGRQANQQNMGG
WFQKILSNQEANS DGNEDSDQKNRQKRVRTMAAAA VMAASKAKHPK GKDKSSENKAGR
NLAKLESICRPIPVGLPQDPVRAKSWNHWITRE GAVIFRQNRKFLNEELTSRNLAI EQH
TGTRGAGSALRQMMSVRDISAEIVDAVKCAVELEAAKSLRQSETSDQTHEKELALDVDIS
LSQLLVTEDG SVESKDETVDLSLVNGMNNKTPSVQYIHPSSLESALSMKCHLSPSPSGGL
SLSSAQASHRTKDEIMALA QDKHERALVSQVSPQDIGV TYDMVGGLSNVKELLRQSITY
PLKFPHLYSEGIAREAVKGVLLFGPPGTGKTMLAKAVATEGGASFLSVDASSVENKWLGE
SEKNAKAVFTLARRLAPCVV FIDEVDSLSSREGSSDDSAHGTLTSVKTTMMSEWDGLNS
GTNGSGDRVVVIGSTNRPFDLDEAVLRRFP RRILVLDLPDLETRSEILEVTLAENRLDP SV
NLTQIAERLEGYTGS DIKEVCREAVVQISHEQARLLDKGFVDVPEDEVTEGSLQRLRPVTV
NDFDTALSKLR SVSEKGRELARVWEWNDEYGEIKKEKSNHLP HLMNMYL
>comp7645_c0_seq2; 379 1 651 LEN=743; translated
DDDDDDDEEEEGDD DAPIDPNDPDAARKKQERRDRQRQRYLDLKKKREAKKFTQLQQIR
QDGEPTMT HKAPRDGWYRFCVTSSWNQVIAEMEMRKESDLGGLNEEGHVRTYEEQKMME
EDKLEEDTATEEGIKDEDFQETRQKVKDLRLLNDIQSMQQKERRRLTVHAETNEHSHS
SMVLNSLME TLLFMAVTGYQVYTIRKWFSGAPVLGR
>comp7645_c0_seq3; 301 1 854 LEN=1195; translated
XIFYSQLSCYPHSRFFLVIALNTFPPIVANNHIITKSYFVPEGDIESEPNVFLAPKSRH
PNSPPTFGQIRDAFPLPGQYHFRFKSALVPGTDREKHALPVWMDVVEERQPVP IWKGGIV
VKVSRVSM EEDDDDDDDDFHGHQAAPVATHAPPAPAPAPTPAHRPAPSVASSGSIDDLF
GSTATAPAPSTGGSLLDFNDHHTPVASTAHNDFLGMTTPPPSGIQSAPASGGYHGNPNMY
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>comp7645_c0_seq4; 377 88 846 LEN=1187; translated
MTTIRYFVPEGDIESEPNVFLAPKSRHPNSPPTFGQIRDAFPLPGQYHFRFKSALVPGT
DREKHALPVWMDVVEERQPVP IWKGGIVVKVSRVSM EEDDDDDDDDFHGHQAAPVATHA

PPAPAPAPTPAHRPAPSVASSGSIDDLFGSTATAPAPSTGGSLLDFNDHHTPVASTAHND
FLGMTTPPPSGIQSAPASGGYHGPNMYAAQQPQMHPQQQQQMRQPQQQQFQSFSSQGQ
PQQQQGAFGDLQW

>comp7651_c0_seq1; 109 402 929 LEN=1406; translated
MKPRPQSFQGNTPARNKFSVGYSWLWFLAALPSISSAFLQDYSSFSRPRKADSRDRMD
LGYLIPDSDQATPPSISSEPGTTRIHMAGPALDEEDRALLRGKGAGRRRGLAHGILCP
ETVGKMDDELTEGGRNRAVRAFVLDYKRGHPMSCMELLSDEILPHLTTTLRGLT

>comp7653_c0_seq1; 499 100 3122 LEN=3268; translated
MASLEQVISETLSPNADLRKNAEKVLTDSKQGGFLLQLLQLVDNASANATIRQAAAVFY
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YPEKWDDLKPLVAKFNPSVNGVLTADSI FRRFCVNRSDALYKVI IYTLNHIQE
PLLKLLMQTATQADACANDPVQLNAKMETLRLITRILFSLVYQDLPEFYEDNMATVIGVL
KKYLEYNNPVLVDNDEEDEQGPIDKLSAIIIDILKLFVTRDEEPFQPFIPFTTLVWNL
ISKTTLPKHDQVVVMSMKYLNILVGRQFYKDLFKETSTLQQIVANIVIPNMTIRESDEEN
FEDNPQEYIMTELEGSSTDSRRRGSRELLGAMCRQFEAQTTSICSEHMTKMLADYGADKS
KWVAKDTAEVSSRKKFQHDVFAFLDVXFATNVGIMIVALLKISLMLGIVIKKQSSSGVSE
LNHNVLMEFFSNHVLPEMQDKDESSRPMVKASCINFVCTFRNQFSAEQYNELLPVLI
LRSSYVAVHSLAANTIEQILRNKGRDASGTAFSKITQASLQPFLLQGLFEGLFHIVDNV
NENEYVMKCIMTTLDKAGENVIPVTNIVFEKLSAALERVCKNPRNPGFNHNLFESIAILV
KSIKAKDASHITQLEQMLFPPFQTIQMDILEFTPYVFIQILAQLLEFRPSGAGLGEAYTS
LFAPLLTASLWEKTGNVPLTRLIQAYLEKAATYVVSNNHLMPIIGIFQKLNLT
AFDLSLQVYAPRESIADHLRTIFQLILTRLOSTKSNLYPIRFGQFLALFSGLYGGQYL
SDILDRIQPNIVMMLQGVWLPKVKGCASNRVLAQAQIIGLTKLLSDLSPKLLGNDQKQ
VFAQAITAVVSILASSTFTKEEKDVQNEGPMVYDATFSRLKFAQRPPVDAFEAVDPD
FFSALRNLASANPGVLSPLIQGLSTDLKLASSFQTMCSKGFSLV

>comp7653_c0_seq2; 649 100 3021 LEN=3167; translated
MASLEQVISETLSPNADLRKNAEKVLTDSKQGGFLLQLLQLVDNASANATIRQAAAVFY
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YPEKWDDLKPLVAKFNPSVNGVLTADSI FRRFCVNRSDALYKVI IYTLNHIQE
PLLKLLMQTATQADACANDPVQLNAKMETLRLITRILFSLVYQDLPEFYEDNMATVIGVL
KKYLEYNNPVLVDNDEEDEQGPIDKLSAIIIDILKLFVTRDEEPFQPFIPFTTLVWNL
ISKTTLPKHDQVVVMSMKYLNILVGRQFYKDLFKETSTLQQIVANIVIPNMTIRESDEEN
FEDNPQEYIMTELEGSSTDSRRRGSRELLGAMCRQFEAQTTSICSEHMTKMLADYGADKS
KWVAKDTAISLMLGIVIKKQSSSGVSELNHNVLMEFFSNHVLPEMQDKDESSRPMVKAS
CINFVCTFRNQFSAEQYNELLPVLI FHLRSSYVAVHSLAANTIEQILRNKGRDASGTAFS
KITQASLQPFLLQGLFEGLFHIVDNVNLNENEYVMKCIMTTLDKAGENVIPVTNIVFEKLS
AALERVCKNPRNPGFNHNLFESIAILVKSICAKDASHITQLEQMLFPPFQTIQMDILEF
TPYVFIQILAQLLEFRPSGAGLGEAYTSLFAPLLTASLWEKTGNVPLTRLIQAYLEKAAT
YVVSNNHLMPIIGIFQKLNLT
KATEGSAFDLSLQVYAPRESIADHLRTIFQLILTRLO
STKSNLYPIRFGQFLALFSGLYGGQYLS
DILDRIQPNIVMMLQGVWLPKVKGCASNRV
LAQAQIIGLTKLLSDLSPKLLGNDQKQVFAQA
ITAVVSILASSTFTKEEKDVQNEGPMVY
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>comp7654_c0_seq1; 723 163 2439 LEN=2580; translated
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FEPSQLICPQMSLQVFNVDGGLRRQTALRETATSSIPSTTLRPQSPGTDSATFRHSALS
RASFI LPSIDEQRNAHDCASSGQRNLAHEGDEGSI SNNGDSSDRPTRMAAVGLLP
TMDVVSDNSEDLDLFGSQNSNSGGSINNCSSTIQSDFDLFLDNDDIFSTRDNTVTNANIAAS
KLSWQHKEEDRVSSPQNLNSSEPYSTSSPDGNSHSRRLSSSLNRI FQPTVLN
WQSHSRKQNERRRSWGTSSSSSHHSTPGYESPRHMRSSSAPS
SPSKPSLFTSPSSSSSTPLCTTPFSMERFFERKPKGR
LSSHNEQKQGTNWRPVMHIFYSAGVIFQLLVILILV
LIVLSRSQASSATQALIRLKTTESELELLKHLRLEDHSL
HVHELIRKLFRIQTQSNANIADKVIDELVHGKSD
EATTKEDSSTRDKDTPLLAQYHQLRKMSDELREHEAV
TNLQEHLQETARDEIMNYGEGPVKVVI
ELNFEEDNEHHDDAKKHLKLQENGGEKKSIAQMAK
GTYLSVLLWPDA PHAAWALDQIQRGIWNGAAIK
WNPTSTLLQILPMIEDPDRGHLGFVEHHEDSDKQ
QDFDNPDTTHGAWTIGLHETLLDDAKNNTNSRLEMY
INLTDNKEHRKHETCVGKIFDGF DALQRLV
ESTVVS
AEGKSVTNVTIKTISAMHMPHQDFEKAFL

>comp7655_c1_seq1; 450 1 1091 LEN=1240; translated
XLSSTSVGAYEAVRYLIRLNKEDDEEEDVDLGLDFDEIDLEMYLDDDDDEVSTSDS
QETSSSLSSGERDDFVMDIPPFSEKLLKEMKSVMPNGRLSAILVTSQECIHYDEAPGV
YSVR

KADLTKWKREFPETATVAYRMDIPRDCRDSITQRLDGYGPWAMVEEPNETGKIDTGSIFK
ESGLPFTVNEWDPEMAEDIMTGKRKPPGEEEDDDSVIELDANGGFTPDTIRANEKGQVL
ADIRLAAPLEAYVFPPELKLKASGYSLPLEDSREEENPGMDSPPALDHRGYITTNKAGVS
RQVESARELVENYHDRFEILLTARGDPFYFEGDARRRETLMEIIGQYEKLGNIYEQLGI
TGN

>comp7656_c0_seq1; 387 187 1224 LEN=1477; translated
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GASGTSQPSEMKVVDPPGSAEDQSKDTKEIETKAVPVPTDGQQKAGNQRPSLSKNLSHQ
DLHAVIGNEDIDPLTAVVLTIALSIHTVIEGIGVGATDDVSAIRSSFVAIAFHKSFTAYA
LANSLVECGYWGDPKRYFYASTGLFVGLTLVGIGVWALSAATGGLGSAIVVAVTSGS
FLYVAAIEIIPDELETIGEQRQLQTPLIALSFLGGYCLMSMLAIWA

>comp7656_c0_seq2; 221 187 683 LEN=683; translated
MALSASAWKGLSMAVFTLLSLAGFAAAILLRERANQLWVSSGVMFSAGVLLAGGLVHLLG
DSTEGFEEAGATSFPPWSYAVSGLTVAVLVCEMVRDVALRRAEAGSRAKNEKQEQKPD
GASGTSQPSEMKVVDPPGSAEDQSKDTKEIETKAVPVPCLLLAIG

>comp7657_c0_seq1; 579 43 1116 LEN=1160; translated
MTTEEKIQAEIEKAKGMKISEMKMMLMAKGVLTSHFVEKDEFVRAAYAEAVVKSSESGLSS
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AKFQKLSEPLYERRKEVVLGQMDDEIAAAGETKEADGEEMDKGIPMFWACAIQQMPVTQG
IVSEEDIECLGHLEDIKCINDDNGEGFSLEFHFAPNDYFENTVLTKSVDVFNLLLADEPI
LKNVEGCEIKWPNIALTHVEVTKQQRGTGKNAGQVRTVTKKVPDRSFFNFFTAPSMPLN
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>comp7658_c0_seq1; 936 403 2601 LEN=3206; translated
MQPQTMLPVGDDNIPAPHSYRQPTKAVKHGRPLSPNTLDKDIDEYLLGIPAPPPPTPP
PGRRGGSKQHLVSTSPSDPSNPTSQRKRHRQOQPPESPLRQTPKEQSACDSTFHENDP
SNESTPTTLPKTKKVKTPSANSTSATNQRTPKTRTPQRKNTTKTQTPTFSKSAEYGSRL
SFHQVMLENIEKEALLMRRQGATPGTTPRNHSRGSSSSGRKASDYGSSGNGVESLLKET
MNDISSAAASTMKTLSAQHTKERASAGNLGAGNAGPAPIVCVSIHQGEAGDSDSFGETG
NHYPHNANDDDDLMSPMATARKETRENQRSAAASKQHASNHRPRMAASLPGVEHMPMLNSS
SGAEMMKRMGDALKKVVVDATAGANNHQNNDVQRRNDRGDRRGSDENENDWGVGNILAN
GFGWDGEEDDDDDQSRATYDTWDDENSVLRRLGSGWTVNSQYTAGTTGTAATFGTMT
YDTGGDTEGGLSVVGPVSAAVAAASAALASAANGDQSMAGGAEVFRDDNGQRIDPLLI
ERAMKKQQQNLPKESLLGKKSQRKSRQRKRVVVFYDPPIKSLRQYTRPDPELPLKF
FTEDELQIEDDRYSTMSTDDIEIVAVSSKEGSSINASADDGAAATDGDTRRNTKKCAA
GKKKSSGGDEEYELGCKPVKGRSGTPIRRRARGGDDVQKQTHSGDTSSNGPRSPRRLVKG
VQIYLRERSTGA

>comp7658_c0_seq2; 936 278 2476 LEN=3081; translated
MQPQTMLPVGDDNIPAPHSYRQPTKAVKHGRPLSPNTLDKDIDEYLLGIPAPPPPTPP
PGRRGGSKQHLVSTSPSDPSNPTSQRKRHRQOQPPESPLRQTPKEQSACDSTFHENDP
SNESTPTTLPKTKKVKTPSANSTSATNQRTPKTRTPQRKNTTKTQTPTFSKSAEYGSRL
SFHQVMLENIEKEALLMRRQGATPGTTPRNHSRGSSSSGRKASDYGSSGNGVESLLKET
MNDISSAAASTMKTLSAQHTKERASAGNLGAGNAGPAPIVCVSIHQGEAGDSDSFGETG
NHYPHNANDDDDLMSPMATARKETRENQRSAAASKQHASNHRPRMAASLPGVEHMPMLNSS
SGAEMMKRMGDALKKVVVDATAGANNHQNNDVQRRNDRGDRRGSDENENDWGVGNILAN
GFGWDGEEDDDDDQSRATYDTWDDENSVLRRLGSGWTVNSQYTAGTTGTAATFGTMT
YDTGGDTEGGLSVVGPVSAAVAAASAALASAANGDQSMAGGAEVFRDDNGQRIDPLLI
ERAMKKQQQNLPKESLLGKKSQRKSRQRKRVVVFYDPPIKSLRQYTRPDPELPLKF
FTEDELQIEDDRYSTMSTDDIEIVAVSSKEGSSINASADDGAAATDGDTRRNTKKCAA
GKKKSSGGDEEYELGCKPVKGRSGTPIRRRARGGDDVQKQTHSGDTSSNGPRSPRRLVKG
VQIYLRERSTGA

>comp7660_c0_seq1; 575 1 2234 LEN=2980; translated
XKQAKRNDCLLWVQSREKQTPLESPKARAIKMLRNSLVKVIFFVSLWQLLGMMAHL
NHFIGDAIRELSEEPQLGYSLGGPLHKTKEQESSTANETTKPDGSRFNPSLTNEGQASST
ERKNLESDTPEIHTRVGGKPGNITTTDSIIYSTESSSFSATKEKCFGSNSDKWIAGNI
SSNNHDGITPELLDTLMEGPAHFQKLPWLFQDTICHQDSPLRNFSPQNPGRDSTDYLAS
VENWYHRFFYLALHWKFRPALDEYRSRKSCEAMDARDGSRSLSEFMDHHGIGMDFECK
DEKFVIIIPMGSIGFGAFLNTQATLNILLALHTNRIPIFSRSYFSWQKRNGKQDPWLLAP
STCSRKDMQCYFLPTTPCAVTDEDIENAPLYGATHEEQFLGTSVTIPPELEKERIVVLN
PGLSRKSADTPGMRKIVHEVVTELLGEWRKAQSEYGDSSWSDQDWEAINLAHQWIEKTK

KDPVGLLRQVYVYMLRPNPHYKDLLEKQMSTIRTEDMYPSETVGLAIRGSDKCKSESTCL
PFDRYMELATDVAYPGLSYPRNISSAVDIDPRPKLIVTTEDPKIYNESLVYQRNSSFPFQ
FLVNNENDNMQSGSGPKDFASTDREKTIVSSLTALKFHFNAGKVYLNCCSNFHVVLKLLH
GQCGARRHGHDFVFGNYTDDHSSPAPPVAQCLSEPGIPRRYQICCSWSKKTATCGPLWK
EYIMEKEKNNLLVKDKYGGVAIVG
>comp7662_c0_seq1; 191 666 1211 LEN=1393; translated
MNFNTAVDVMNLAQWANASTLQCFADGLGVTCLSWSTGRFEPPTLVVGGAHPIIYRYSET
SRQWNSIIIVLPPPPVGDVLDVAWAPNVGRKYHYIASAEGKQLRIFKLSRGNDGNGDALEL
EATQEIPVSNARCQWNVGTGTVLACSGDSGVVEMWKLD FEGNFQAVSSSLQGDVSRVATQA
F
>comp7662_c0_seq2; 266 91 1059 LEN=1241; translated
MKFSAANASSTQVISSMHQDYIHGCAFDIYGRMATCSGDRFVRVWDLTDSGEWVSLVGEW
QAHRSVSMLSWSHPEYGS LIATCGSDHEAKIFEEKTNATSAASRWIAKAQLTEARKSVA
CVEFAPRHWGLK LATGSADGCVRIYEAVDVMNLAQWANASTLQCFADGLGVTCLSWSTGR
FEPPTLVVGGAHPIIYRYSETSRQWNSIIIVLPPPPVGDVLDVAWAPNVGRKYHYIASAEG
KQLRIFKLSRGNDGNGDALELEATQEIPVSNARCQWNVGTGTVLACSGDSGVVEMWKLD F
EGNFQAVSSSLQGDVSRVATQAF
>comp7662_c0_seq3; 230 91 1189 LEN=1371; translated
MKFSAANASSTQVISSMHQDYIHGCAFDIYGRMATCSGDRFVRVWDLTDVENGAWLENG
KPTEEASACLVGATRSTEASLQRESVRQSHLNFFFHKSDFVMDKKCTGLSRIQLLRHLHW
CGFKTSCGSDHEAKIFEEKTNATSAASRWIAKAQLTEARKSVACVEFAPRHWGLK LATGS
ADGCVRIYEAVDVMNLAQWANASTLQCFADGLGVTCLSWSTGRFEPPTLVVGGAHPIIYR
YSETSRQWNSIIIVLPPPPVGDVLDVAWAPNVGRKYHYIASAEGKQLRIFKLSRGNDGNGD
ALELEATQEIPVSNARCQWNVGTGTVLACSGDSGVVEMWKLD FEGNFQAVSSSLQGDVSRV
ATQAF
>comp7662_c0_seq4; 191 796 1341 LEN=1523; translated
MNFNTAVDVMNLAQWANASTLQCFADGLGVTCLSWSTGRFEPPTLVVGGAHPIIYRYSET
SRQWNSIIIVLPPPPVGDVLDVAWAPNVGRKYHYIASAEGKQLRIFKLSRGNDGNGDALEL
EATQEIPVSNARCQWNVGTGTVLACSGDSGVVEMWKLD FEGNFQAVSSSLQGDVSRVATQA
F
>comp7663_c0_seq2; 200 224 656 LEN=1024; translated
MTGTLHSVDQYLVNKLKLVINPEKYPQLVALKNCVFRGSVVRYYIQIPPEHVDTELLQD
AAGGKTRQRNKYTNNIESDADGGASNIDNAGDDMKIRNTLSRKSNDKKNIDFESDWYFSD
EKNQGAGGVRFPAAAAADIGKWN
>comp7664_c0_seq1; 361 119 1096 LEN=2171; translated
MPIIQQITSAAMALFVVALCFQQVEEVSAFSSTGIPLSYGSATSRRMSTSGRASPLSMSS
VAMLPEGLAKTVVNGGEMGASPIGRGDILTVKYTCYSVGLGDQDENEAEENVLLARSDSQK
VVVGDSMVPGWDAALRSMTVGERAVRITDPSLGYGGANS DKRGAAALAALLGVDPAPA
STALLEFDIQVLAAQSAASAAQVDFMNF DAMALEDDTPKTAEEIAAAYQVRMANKAPEKE
GLEGWIDTVKNYYFFGFFEGETGEEAPWYLKPSITFP IAF AIVGAAFYVSLLSGAISEK
AQSVDELVDIVTTTTMMTLLSGVPSF
>comp7664_c0_seq2; 217 146 709 LEN=1784; translated
MTVGERAVRITDPSLGYGGANS DKRGAAALAALLGVDPAPA STALLEFDIQVLAAQSA
SAAQVDFMNF DAMALEDDTPKTAEEIAAAYQVRMANKAPEKEGLEGWIDTVKNYYFFGFF
EGETGEEAPWYLKPSITFP IAF AIVGAAFYVSLLSGAISEKGAQSVDELVDIVTTTTMMT
LSGVPSF
>comp7664_c0_seq3; 243 119 550 LEN=758; translated
MPIIQQITSAAMALFVVALCFQQVEEVSAFSSTGIPLSYGSATSRRMSTSGRASPLSMSS
VAMLPEGLAKTVVNGGEMGASPIGRGDILTVKYTCYSVGLGDQDENEAEENVLLARSDSQK
VVRMNGASKIICSDAELYIKQSD
>comp7665_c0_seq1; 428 415 1413 LEN=1621; translated
MTCPPVNI AVGQAIEATSCLISPFGNPNVQDLIPVAIESIDVLELGQSLRVIAQTRIGNI
LRDGDSFVYQSAFANPNDVFSSEEVVRLQMNLVGINAAGDRVINVFIVTFTNECSSYPI
FERGESAGWVELVDFGETSSELCTAATETPK EISTLGPT EASAVNYTDTLSGKTTL SPTS
YPEAFPTDAPEAKPTESPTKAPITSDPTSTPTQESILTEVPTVTLTGGMNVPTNTHQLET
GSLAPATSTPNPVQITENPLGDIAMDVETANEDSSVGKPPMTPSESFPEPIDVAASMSM
SMSMSMNRFLLEDSTNREVS VWTPLSDKRGDTF
>comp7665_c0_seq2; 327 415 1522 LEN=1730; translated
MTCPPVNI AVGQAIEATSCLISPFGNPNVQDLIPVAIESIDVLELGQSLRVIAQTRIGNI
LRDGDSFVYQSAFANPNDVFSSEEVVRLQMNLVGINAAGDRVINVFIVTFTNECSSYPI

FERGESAGWVELVSSDLHAPARKRHGNQSRPVXCIEELNLTFLSFSSVXVDFGETSSELC
TAATETPKIEISTLGPTEASAVNYTDTLSGKTTLSPSTYPEAFPTDAPEAKPTESPTKAPI
TSDPTSTPTQESILTEVPTVTLTGGMNVPTNTHQLETGSLAPATSTPNPVQITENPLGDI
AMDVETANEDSSVGVKPPMTPSESFPEIDIVAASMSMSMSMNRFLLEDSTNREVS VWTP
LSDKRGDTF

>comp7667_c0_seq1; 280 159 837 LEN=1329; translated
MPMPSSSLTTTDFLIQAISGTMFAISSFWHGHRRIRSVGISNIPYFDDSPRLDRDPPNR
AAQGRTPKETSGETRAPVRTILEIPSAEAPLEMAGYERIVMRATTPSKPSTKTSDTAKKE
PASNEDLREKVHTAKKIIRGKRETAVDLLIWGAIQIAYVAFDVTHKQAMGTAFAYVYLCF
FEDVLDISTLEKDGKQKHKTKKKIKWFKIMWVSLCLYYTGKLFSS

>comp7667_c0_seq2; 375 159 1107 LEN=1599; translated
MPMPSSSLTTTDFLIQAISGTMFAISSFWHGHRRIRSVGISNIPYFDDSPRLDRDPPNR
TEARAKALDERKKYDKEEAMRKELSLDGSAGGDDLPDFARVCLLWSVAQLLCGVSIGI
FDWYTDVIKGAUVFHFDDSPRLDRDPPNRAAQGRTPKETSGETRAPVRTILEIPSAEAP
LEMAGYERIVMRATTPSKPSTKTSDTAKKEPASNEDLREKVHTAKKIIRGKRETAVDLLI
WGAIQIAYVAFDVTHKQAMGTAFAYVYLCFFEDVLDISTLEKDGKQKHKTKKKIKWFKIM
WVSLCLYYTGKLFSS

>comp7668_c0_seq1; 141 776 1246 LEN=1304; translated
MQSLEKYQKTQARAILTNPEKRRGDRDRTPSSGVPVQTHGVPVQRGGPATKAMEAAAAGGV
RWDAGTTATRAYALERSGGRAIRKXSGVGLASATGGADAASKATTTAKDHRAKPPWPKL
RRRRVLGAMLPAETIGLPIELSLTLVPLLLIIDS

>comp7669_c0_seq1; 470 127 3562 LEN=4335; translated
MFSQSRLILQANKNAIRATASAIPTMKTAAARILSTASSIPSWATVDPKDMGIDPEPH
AVRNLVDGKWQPTSSETIVIPHPLDANAPPIFTIPDTQILELDPFYESLRKVPKSGLHNP
LKNPERYVHYGEISRKVRKETFKRTHFGKNTTSGLMXPHTSETGFICLKGLFKKFRVSFD
LIVDSLTLFFSVFQTKAGAALSDPKTAEFFTQCIMKCVPKSHGQARGEVKTADFLNMF
AGDNVRRLAKSFGVPGDHYGQMSVGHWRPYPVALITPFNFPLEIPVLQMLGSLFMGNKPV
VLKPSEQVSFVMEQFLRLLIDCGMDSDDVDFLNGRGIVAQELIVETPVRLTQFTGSSRVA
DILLKATNGKVKIEDAGFDWKILGPDVGDVDYVAWQCDQDAYASIGQKCSAQSI CFVHEN
WKETGLLNKMRARAANRKLNDFTIGPVLTVTTDQILNHTKTLASIPGAKVLWGGAELEGH
RIPEIYGAVEPTAVFVPLEEMIKEENFDNCASEIFAPFQVITYYNDLDDVLEALERMS
HHLTAACVSNDFAFQSKVLAHTVNGTTYAGRRARTTVGLRGVWTRPSSHGPGVCAPTQGE
PPLSRATRARPQPRFAHRSFAFVSFSGSTTEPLVTRTRGRPERMRHRVARSHSDGVVVP
RNHSRLVCSFPLGGRSPVIVIRAERSFAHTLSNLDLTKLQNTIQHI IARLAQSI ILGAGLL
YFSALAFSTVIRCKNDLKLGLFVQCQIERPFSFGLVVAVVETFGTVAAGRCPPPGFSDL
RKRDRPGRKELLQRIGATRIPGGTVVPGIVAIPQQVQIDLWFFGPGKFSVRAFVVRKH
DGLARIPGWLNRARKDAAGPPTPEPPVLLVDVARLRGHGRAFGWE CRVRARGVTDPCLV
VLDASACCGRATAAILWRQQRGSVERCAPPTVALLLPHVPVAPRIVGTASTGNRVAGH
FHQHECFRFRVKEQLCIPNAVSPWQNF LGARGTGRDRGSFVRANHRKPLSFESIGILV
AVKLGFAAGLPRVRAIVSRIVPVASAEIGSFHQRGKGENKTRFAVVGTTAHRARGIAAAV
VLGSTAGTGSGLFVAAAARATGTLRGPWHGVESVPFCRQHQLIGSLRIGVLR IKGNHGRV
ASHAW

>comp7669_c0_seq2; 825 127 3379 LEN=4152; translated
MFSQSRLILQANKNAIRATASAIPTMKTAAARILSTASSIPSWATVDPKDMGIDPEPH
AVRNLVDGKWQPTSSETIVIPHPLDANAPPIFTIPDTQILELDPFYESLRKVPKSGLHNP
LKNPERYVHYGEISRKAGAALSDPKTAEFFTQCIMKCVPKSHGQARGEVKTADFLNMF
GDNVRRLAKSFGVPGDHYGQMSVGHWRPYPVALITPFNFPLEIPVLQMLGSLFMGNKPV
LKPSEQVSFVMEQFLRLLIDCGMDSDDVDFLNGRGIVAQELIVETPVRLTQFTGSSRVA
DILLKATNGKVKIEDAGFDWKILGPDVGDVDYVAWQCDQDAYASIGQKCSAQSI CFVHEN
KETGLLNKMRARAANRKLNDFTIGPVLTVTTDQILNHTKTLASIPGAKVLWGGAELEGH
RIPEIYGAVEPTAVFVPLEEMIKEENFDNCASEIFAPFQVITYYNDLDDVLEALERMSH
HLTAACVSNDFAFQSKVLAHTVNGTTYAGRRARTTVGLEEFGRGRLTDRASAHLRKGNR
LSRQVRVPVNPASLTIDPLHLFLFQGAPQNHWFPGAGDPRGCGIGSPEAIQM VWSCHRE
I IHDSFVPPSWVDGAQXVIRAERSFAHTLSNLDLTKLQNTIQHI IARLAQSI ILGAGLLY
FSALAFSTVIRCKNDRKGLFVQCQIERPFSFGLVVAVVETFGTVAAGRCPPPGFSDLR
KRDRPGRKELLQRIGATRIPGGTVVPGIVAIPQQVQIDLWFFGPGKFSVRAFVVRKH
GLARIPGWLNRARKDAAGPPTPEPPVLLVDVARLRGHGRAFGWE CRVRARGVTDPCLV
VLDASACCGRATAAILWRQQRGSVERCAPPTVALLLPHVPVAPRIVGTASTGNRVAGH
FHQHECFRFRVKEQLCIPNAVSPWQNF LGARGTGRDRGSFVRANHRKPLSFESIGILV
VKLGFAAGLPRVRAIVSRIVPVASAEIGSFHQRGKGENKTRFAVVGTTAHRARGIAAAV

LGSTAGTGSGLFVAAAARATGTLRGPWHGVESVPPFCRQHQLIGSLRIGVLRKGNHGRVA
SHAW

>comp7669_c0_seq3; 519 127 3225 LEN=3998; translated
MFSQSRLILQANKNAIRATASAI PSTMKMTTAARILSTASSIPSWATVDPKMDGIDPEPH
AVRNLVDGKWQPTSSETIVIPHPLDANAPPIFTIPDTQILELDPFYESLRKVPKSGLHNP
LKNPERYVHYGEISRKAGAALSDPKTAEFFFTQCIMKCVPKSHGQARGEVKVTADFLNNFA
GDNVRRRLAKSFGVPGDHYGQMSVGHWRWPGVALITPFNFPLEIPVLQLMGSLFMGNKPV
LKPSEQVSFVMEQFLRLLIDCGMDSDDVDFLNGRGIVAQELIVETPVRLTQFTGSSRVAD
ILLKATNGKVKIEDAGFDWKILGPDVGDVDYVAWQCDQDAYASIGQKCSAQSI CFVHENW
KETGLLNKMRARAANRKLNDFITIGPVLTVTTDQILNHTKTLASIPGAKVLWGGAELEGHR
IPEIYGAVEPTAVFVPLEEMIKEENFDNCASEIFAPFQVITYYNDTLDVLEALERMSH
HLTAACVSNDPAFQSKVLAHTVNGTTYAGRRARTTGAPQNHWFPGADPRGCGIGSPEAI
QMVWSCHREI IHDSFVPPSWVDGAPIVIRAERSFAHTLSNLDLTKLQNTIQHI IARLAQS
IILGAGLLYFSALAFSTVVIRCKNDLKGLFVQCQIERPFSFGLVVAVVETFTGTVAAGRC
PPPFGSDLRKRDRARPGGRKELLQRIGATRIPGGTVVPGIVAIPQQVQIDLWFFGPGKFSV
RAFVVRKHDGLARIPGWLNRARKDAAGPPTPEPPVLLVDVARLRGHGRAFGWECEVRARG
VTDPCLVSVVLDASCCGRATAAILWRQQRGSVERCAPPTVALLLPHVPVAVPRIVGTAS
TGNRVAGHFHQHECFRFRVKEQLCIPNAVSPWQONFLGARGTGRDRGSFVRANHRKPLS
FESIGILVAVKLGFAAGLPRVRAIVSRIVPVASAEIGSFHQRGKGENKTRFAVVGTTAHR
ARGIAAAVVLGSTAGTGSGLFVAAAARATGTLRGPWHGVESVPPFCRQHQLIGSLRIGVLR
IKGNHGRVASHAW

>comp7669_c0_seq4; 481 127 3408 LEN=4181; translated
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AVRNLVDGKWQPTSSETIVIPHPLDANAPPIFTIPDTQILELDPFYESLRKVPKSGLHNP
LKNPERYVHYGEISRKVRKETFKRTHFGKNTTSGLMXPHTHSETGFICLKGLFKKFRVSFD
LIVDSLTLSSVVFQTKAGAALSDPKTAEFFFTQCIMKCVPKSHGQARGEVKVTADFLNNF
AGDNVRRRLAKSFGVPGDHYGQMSVGHWRWPGVALITPFNFPLEIPVLQLMGSLFMGNKPV
VLKPSEQVSFVMEQFLRLLIDCGMDSDDVDFLNGRGIVAQELIVETPVRLTQFTGSSRVA
DILLKATNGKVKIEDAGFDWKILGPDVGDVDYVAWQCDQDAYASIGQKCSAQSI CFVHEN
WKETGLLNKMRARAANRKLNDFITIGPVLTVTTDQILNHTKTLASIPGAKVLWGGAELEGH
RIPEIYGAVEPTAVFVPLEEMIKEENFDNCASEIFAPFQVITYYNDTLDVLEALERS
HHLTAACVSNDPAFQSKVLAHTVNGTTYAGRRARTTGAPQNHWFPGADPRGCGIGSPEAI
IQMVWSCHREI IHDSFVPPSWVDGAPIVIRAERSFAHTLSNLDLTKLQNTIQHI IARLAQ
SIILGAGLLYFSALAFSTVVIRCKNDLKGLFVQCQIERPFSFGLVVAVVETFTGTVAAGR
CPPPFGSDLRKRDRARPGGRKELLQRIGATRIPGGTVVPGIVAIPQQVQIDLWFFGPGKFS
VRAFVVRKHDGLARIPGWLNRARKDAAGPPTPEPPVLLVDVARLRGHGRAFGWECEVRAR
GVTDPCLVSVVLDASCCGRATAAILWRQQRGSVERCAPPTVALLLPHVPVAVPRIVGTA
STGNRVAGHFHQHECFRFRVKEQLCIPNAVSPWQONFLGARGTGRDRGSFVRANHRKPLS
SFESIGILVAVKLGFAAGLPRVRAIVSRIVPVASAEIGSFHQRGKGENKTRFAVVGTTAH
RARGIAAAVVLGSTAGTGSGLFVAAAARATGTLRGPWHGVESVPPFCRQHQLIGSLRIGVLR
IKGNHGRVASHAW

>comp7671_c0_seq1; 164 305 702 LEN=783; minus strand; translated
MYS PAALAKDGRGGKLDADAPRQAARPHLEAGVGVRALDGPADGVVNVHNPVPPDKDAV
KQRNVLQEGIKDEPLDQHRGEGDNDKGDQAQADECSVRRIPCWVRGVLCCVLDTIMVLWCGG
KFVLF AKHNKSR

>comp7671_c0_seq2; 142 302 904 LEN=1285; translated
MAVDWALRGCCNRDAIFFLFCFYAGYSVLTMLSMNTVVVKPMKLI AIFIHEMGHASAAWLT
GGSVDKIEVYQNEGGVTNFRGGWKP AIPAGYGVVSFWGGVVFVALSGSQIGATVAAGVFI
LALLVCLRYSPNRTLVLGLCIAFVVITLTAVLVEWL VFDPLLQYVTLFYGVFVVGWYGI VDI
WDDTISR TVEGSDAHACFKMW

>comp7672_c0_seq1; 282 252 569 LEN=863; translated
MVD TNIAIGAAIGVGGFAAGIGMLAF AEAQGERSKERSGSLSEN MSTQLSGMF MEDVEVS
SVEDLGS LTSQLEEALKKSGGAE EEFEMTDEEIKRLEEE EADDGW

>comp7675_c0_seq1; 382 507 1382 LEN=2393; translated
MTLAGVKVRHPWVSESSMMRV TGYPPIQSEQAWKNSNM LLAGAAVHEVVKNFQLNAPQVL
DITDNGLRSIQTKKTAGTRPTPTQTPPRS NNGMYNSTSSTRSSHDDAPPSY NVVAEAE STP
APEIPMPPI PSTYDEVNASREELDEILQDDLEFKAFVHRLKISDEIFTIGSSRLDENVL
LANENLEQEAKLKTQSEVNELHSTLKS KLDFAFSKLEKEQDVICAPPDLKSTIKKLQKAK
KEAFE ESEELAE EWDDGVTVD DFCRKFLEQRKVHMMRAAKMEILNNQER

>comp7675_c0_seq2; 367 1 1221 LEN=2232; translated

EIEEHSTASKMFSWSNNNSTSTSKVGSTYPGRRLQQNRASASAATPIQGSIRPPTHTRAQ
HLKSYLEDPTLQRSTRRVSSDDTTFDVTVFQTTKGDTLILRVNIPLGSSFAAFCTMTLAG
VKVRHPVWSESSMMRVTYGYPPIQSEQAWKNSNMLLGAAVHEVVKNFQLNAPQVLDITDN
GLRSIQTKKTAGTRTPTQTPPRSNNGMYNSTSSSTRSSHDDAPPSYNNVVAEAEESTPAPEIP
MPPIPSTYDEVNDASREELDEILQDDLEFKAFVHRLKISDEIFTIGSSRLDENVLLANEN
LEQEAKLKTQSEVNELHSTLKSCLDAFSKLEKEQDVICAPPDLKSTIKKLQKAKKEAFE
ESEELAEWVDDGVGTVDDFCKRFLEQRKVHHMRAAKMEILNNQER

>comp7676_c0_seq1; 1117 1 2358 LEN=2475; translated
SNNNNNKAIKVRRLVNDPNVVVEDWLHEFLSKEVQSAQLMELFSPGSKANAVVLSLGP
IRSLHVRSPTPGRSTNPSTKRKQAARTDGEPKCLRLELVSDVLLSPRDAIFGLIDPDEK
IMLRSGGVGSWQDNPSYTTTATTVVVAAPSRTNGGAGAAADPRTVDPSEPTAAVPPRG
ARSPAKATKVSATATAFQEQSEASPPKKRQKTLKQEQEIGIPPTVKKASKPSDQKNETL
STKPVKNPTVSAKKPAISKATAAASSKKIAMAETATAKAKASTKKTVAAGSKPEKPATA
KTTATASSKKTAIKPTASAEKPAISKTKATSPKKTSMTKSTNSPKRKISVDETPSKKR
KASKKTLVKGFGGERDVLFGSGKEQHEHLGNEKYHEYIASKISDYNKHSSKREGLIRITAA
IFRFFRKKKKGWDLGGDSEIVHAKIKSDFNNASKAIDKSTPGETLESVSKKQKQKGSPE
SHDETSIDLNASRKKTVANDKSAKKDIRPEVDGKANQAKKKGALDPTREKRSDDTISSD
GDRDPSSQINSTKNGDDNVLSDETDEDNDRRKEMETTKSKENVSTKNNEATKRKKSADKR
RMAADRDNSSVSDDDDEDRDWLDKIEETDKPSAPKEIGHKKVQEPQKKDPSSRPKSAIP
AKLQPEKKNATKKNAPPRDDISDGDSSSTSSSDSSTSSSSSTSSSSSSSSSSSSSSSDSD
DSSSTNGQNAVVKRKSVVVPIKSKSQGAKTTTQKKKSKRKPLLDPNKPLLPDPTNRRLTF
GEDEA

>comp7677_c0_seq1; 666 118 1593 LEN=1628; translated
MASENTDGATLKTAAASFPVEARVILKGLVKAPHLNGKRGVVRSGLTDAGRHNVIQDL
DKSVGLKPSNLEYEPIISLDDLSVKELKILIKYKCLQPKNLGMDKSDLRVEVSSSLGESE
SLPKLLANAKANKDAFIPTTTTHSQAADQLSKMSPDQLRQQAQMMRTMDPDVRRMNPQL
ANASDEQLRMAADRMEMMANNPEMIKMAAAQMRGMGNPNAATTSNSSRSAAEIPAF
TPTASQTKQAADMMKNMTPEQFRQQAQMLKTMDPDVIRRTNPQLAHMSDAQIKMAATQFE
MMANNPAMMKMAMDQMKNTSPEQLEAMRKGMPATATTPGGVPSQANMAQMGADPSEMLA
GMDKKQLKEMLNTVKDNPMMKQFADMTGMSEDQLRQGVESFAGMDDSKLEAALTMKTA
QKAKDAWAQADAKVGGKLGKHLIASAVAFGLWIVWYFFLRTAAVDAPRVFADLHQHATE
DIIDDDPNSEF

>comp7678_c0_seq1; 481 339 1835 LEN=1835; minus strand; translated
MSFQQDANQCPPEESDKEHVSFPLSRRRCRKRKFLGSEESSDDGLISDCATLSLAHSAQEAE
NDLKDDGMPVSSCSSESCDQSMTSSSNTSALTLDDGFVDPNDSSTHLKVNFDHHDHNTL
ILPDRRKQKTPGMNSIASPMRRGQPKIKRVHNVMYAKGNLNSDPTWDDTSWSLRILSS
AETKQKALGNAANVAGKDTSCCLKGGCFCQWNDEREKMNPNKADSAEGKLRSDSGHRLH
LKLFPIDLHRKAIIPSASKLLDTRQSPSSDFSYVLYRWLRSRLKAGI IHSSFNVLHQMLEK
FYEEATHVIRKLEKGSQNEEISSLFNLRDRVAGIWCVYAHFFLEVGYLVISQERKKPND
YTETTISNVFHHAISILSKARDCPLAGSHTAIMVSMARLIVSSSIVTEKDACNCMHKELS
RGVLLRKIDHQLIPVGIALIFVKGSHKRKDGSRPKVHQFQPEVFFPVLNPSVRIYKQKKG
SQKPKLKRESSRFYLCQVX

>comp7678_c0_seq2; 349 1 1292 LEN=1292; minus strand; translated
KKIDGQENDSISCTSSHSLQRNSKVKDMLFASRRESFCNEWDDSSWDLPIPSCLPDRRKQ
KTPGMNSIASPMRRGQPKIKRVHNVMYAKGNLNSDPTWDDTSWSLRILSSAETKQKAL
GNAANVAGKDTSCCLKGGCFCQWNDEREKMNPNKADSAEGKLRSDSGHRLHKLFPIDL
HRKAIIPSASKLLDTRQSPSSDFSYVLYRWLRSRLKAGI IHSSFNVLHQMLEKFYEEATHV
IRKLEKGSQNEEISSLFNLRDRVAGIWCVYAHFFLEVGYLVISQERKKPNDYTETTISN
VFHHAISILSKARDCPLAGSHTAIMVSMARLIVSSSIVTEKDACNCMHKELSRGVLLRKI
DHQLIPVGIALIFVKGSHKRKDGSRPKVHQFQPEVFFPVLNPSVRIYKQKKGSKPKQLKR
ESSRFYLCQVX

>comp7678_c0_seq3; 287 1 1201 LEN=1201; minus strand; translated
KKIDGQENDSDFVYFKPFTIPSCLPDRRKQKTPGMNSIASPMRRGQPKIKRVHNVMYAKG
NDLNSDPTWDDTSWSLRILSSAETKQKALGNAANVAGKDTSCCLKGGCFCQWNDEREKMN
PNKADSAEGKLRSDSGHRLHKLFPIDLHRKAIIPSASKLLDTRQSPSSDFSYVLYRWL
RSRLKAGI IHSSFNVLHQMLEKFYEEATHVIRKLEKGSQNEEISSLFNLRDRVAGIWCV
YAHFFLEVGYLVISQERKKPNDYTETTISNVFHHAISILSKARDCPLAGSHTAIMVSMAR
LIVSSSIVTEKDACNCMHKELSRGVLLRKIDHQLIPVGIALIFVKGSHKRKDGSRPKVHQ
FQPEVFFPVLNPSVRIYKQKKGSKPKQLKRRESSRFYLCQVX

>comp7679_c0_seq1; 421 187 2184 LEN=2560; translated

MADRNKESSNTAASDAAGETYASRSDIVEEPLVILSDSDINDNNQSKSTSTVTHAGLSY
AVSGRLVLGLLGCMYFLAFYQWQWEGMLGSHGLNPVYSYLETQRKKTYGCTINPKSLL
KLENYYSVEQFSNCLKGFVDHPSLFWFFEHSDRAMRTLVLVSGMTLSALCILGSTSMALMV
ALWLSYFSIVTSAEMSSFYAYGWESQLLETGFLAIFLCQNWLLPHRLAASDQAAQPEAS
PLVWYLFWRWLCFRISIGAGMIKIRGDSWCTQKTCLLYHFETQPIPSPLSFVHFHFLPQFVL
KRAVDLDFVQVYTSWVFLPTTNVAPSSLSKASLVLVRLGGWIQAGFMINIALSGNMS
MLNHLTIIPALACLDDNCYPVWIRRRFSGLTAHNNKTAEIGMKDDDTVDISTESLQSHRW
RWTSFRLWIDVGLFMMILVLSKPTVENLLQLNSRQAMNASFDSFRLVNTYGAFGSVGKQR
FEPVSIAYKINQAGDDGKEPLEWIEIEFPCKPGSIHRRPCFCAPYHYRLDWNWIFIGFP
PHDYLYNRREKWLVIKILGMEGSKQPTTKTKPTPPWLNLLDPVSVELLKQGRPPLYA
KVDMYHYEMAAPLWKIASEYFNGVFSDDSSKGGYKIQWNNRYFKENLVPVVTVDGKRDQL
YLASA

>comp7679_c0_seq2; 213 2037 2348 LEN=2724; translated
MEGSKQPTTKTKPTPPWLNLLDPVSVELLKQGRPPLYAKVDMYHYEMAAPLWKIASEYFN
GVFSDSSKGGYKIQWNNRYFKENLVPVVTVDGKRDQLYLASA

>comp7680_c0_seq1; 1777 1 3387 LEN=3413; translated
AEIAQLQTQVEDLSRKLDESQKLEQSLDELQTKFQQSEVELAAAKAQVTGLEKELASRD
REAEDAERSRSETNHYKERARLQADVASLNRRVEQLELDKQELEHNVEDLALDKEQLAE
EKEALEDMEELKLDYETSSMELEETKMELEDARNMEASAAAAAEEAGGNALAAAAGD
DAEGGEDQARADLAHNSIQNARMREALIRLREQSSIEKMDLTRQLRTAEKFVEESTNLA
TQVENLRETNKELEEQILDLDKDMVEQGSAYEIMVEDLSDRVLSLEELSSSLQIIREMEE
AAEITAEMEEVQAEELKAVNRDMEDETIRLNLEEAIKMQRKREEDFQRTVSNYRKSVE
LKQEKNALYELHQGGEKESDLASASQKALARAAQLVQDAAEMRKREAAIDRIDSQVR
MHLNRLLESLLPPSVSAAEVASIKGELLSKVVGKSSLSLDGIARSAKTIRARAWEWS
NNKADAEKEEEEQAVVEEKMLSLTDEQQQMAATMIHQSEVAHVAIDVSGDLLWLLSAGQW
PDILSTEASSELGSIMGHSMNELDIVLGSVLNLTKEEGVLSPHQSNIGAFRQTVVTTMQT
LRSHIEQDGESLVPMDWPKPAALKLFRDASRAKYSSLGCYAAVACVLNAGDAIKSDEEKLK
SQEFVAVLKPLLRLKLDQAASEAAKSCRLAKLDVLDDETIVSSLSAEAEIWRSSSDDLLGN
VYNMLLAEDGLGPESIGACEAATDEVVRVVS HFATVLR SANLTDADDNKFHPFSPEIADV
WEGVTMLARATRAKDGDEDDINYLVRAKNIENSLEDAVESVPELSLAKAKVASLEKSLAL
RSKEISMQRNARLSDLEKMLARSNAQPSARLVASQASTEVEKSLKEENRVLTEAMDMHRQ
VEEYENEIRARDSKTPTKARRSRSSSLTPNSSMPARDASRSLSRDSGSEGEDGITSFA
EAALFRPALQAARRDAAQWTKATINTLLELPRLSVPMQSNPFGEKEEKVADDED CNPLF
QLSSALSSYQRETASVRIVDITKTSKTPRMQLRDTMLRKAASEQVDKAAAAARQWLES
RGAGFPQPDSTKPLVGRVKFAGPEPVRTIPTPATGEDLYRIQLHLAK

>comp7681_c0_seq1; 162 1 605 LEN=605; translated
XQQQQQSQSDSQEFVPAVFVPTASPSFSNSTPPPTPAPECPLOCSNGATCKLGEHDYKD
HPTEPNGSPFVFLQTTQRQGWYCDCPEGFTGLRCNREYVVCPLADPVLDLATGRLDQNS
TGTPSTDDALEEIGNHVCHYGGKCSISGLTDGAHATIDESQRFCDCEASHNGIPIYFGKYC
EIEGAVRCDQHGGTSSIGNNGX

>comp7683_c0_seq2; 241 258 746 LEN=1088; translated
MKTSGGQIYDLYYGTSSSTTSVGLWIGCFLVLLFVGRSLYLLRSVRKIRQMKDPRTAASS
FPHSGSSVKPTTKPLKTLVVLGSGGHTTEMLYLIQNLNPDHYSPIVLTVATTDTTTSIKRV
SAHPHVLP IQDKENLEENSSSSSHNGQRVYRIPRSREVGQSYW

>comp7683_c0_seq3; 267 258 947 LEN=1337; translated
MKTSGGQIYDLYYGTSSSTTSVGLWIGCFLVLLFVGRSLYLLRSVRKIRQMKDPRTAASS
FPHSGSSVKPTTKPLKTLVVLGSGGHTTEMLYLIQNLNPDHYSPIVLTVATTDTTTSIKRV
SAHPHVLP IQDKENLEENSSSSSHNGQRVYRIPRSREVGQSYWSSILTTLYSFVFAFWLV
GFQVQPDILILANGPGTCLPIAFSAFFFRIVGWKPRTRIFVESFCRVKR

>comp7686_c0_seq1; 439 143 1954 LEN=2233; translated
MAAVLPDNTSSKGLDDGSGETEARTERRHFVSTIGLCSAFSMFYLIMNVFPYSGFMA
LHLNNGNRDLDNDYPHRYSAATIGPCAGILVSSFRVGRVPTAIAGRCADVYGRKFA
LVVGLLAMVGLGNLLFGLAPSFAAAVAIRFASGLLNGTMVVVRTAISEIAEGDEALESRGV
AIMSSMSGYALLVGPAGLLSEPTLHHPGWFGGAGSRTELWFARNLLEDYPFLPNLVG
SFVALLSLAIVATCVEETLPEDQLRDWRCVPMDTVQWIEQNFVFRQKMGCCRPKNRIGI
SVATEQHPFSNNPLGMGLVLSRDEATTGALS AKTISINESTPLVQPPALRSSEL PALHL
ESTNEEKDDNTVLVTDETNGGILGFFLNNTTSTVRYFFYSMWLYAFTSLASSETFFLFAI
TSKEKGGGLGMNETDIGIVQTIAGSIFVVGQYPVFTFIKKRLGVMGALRAGALYSNVLFFF
IPIALYFSPTRHNWYQLGYLGLVSGAAGIFGSIFMGCATIGVNGCIEQPSQRASVNGLQ
SMVASVGRGLGPIAAGYLVAWVMASEAISSTASAWVLYVVLVLMGMVTYASTGSI PVGGD

DKR

>comp7688_c1_seq1; 205 844 1521 LEN=1866; translated
MSSLQKALKESKKGDESEGNKQSKKGTFTFTPI IRTVDADSSDDDSASSDDSSVNSDRKQ
RKRESEEMIKIRQAINLINSPSTGPNSEKYNSPYQQQSAGQRSAGQNLTYTSPSMGSSPQ
VASYHSSNPHSMHSPSAHPRARTAEDLSMKDMFVNCVSEVCKSSSSSELLHKVLSAGYKSV
SNYNDPPVSGTWGDSIDTSQHGYGNRRNCNGGGVGNMPSRYQD

>comp7688_c1_seq2; 205 703 1380 LEN=1725; translated
MSSLQKALKESKKGDESEGNKQSKKGTFTFTPI IRTVDADSSDDDSASSDDSSVNSDRKQ
RKRESEEMIKIRQAINLINSPSTGPNSEKYNSPYQQQSAGQRSAGQNLTYTSPSMGSSPQ
VASYHSSNPHSMHSPSAHPRARTAEDLSMKDMFVNCVSEVCKSSSSSELLHKVLSAGYKSV
SNYNDPPVSGTWGDSIDTSQHGYGNRRNCNGGGVGNMPSRYQD

>comp7691_c0_seq2; 514 236 1783 LEN=1799; translated
MTDAKDLQKSFQALGIPKSHATVGLTNLVASTKQYRSLFIHRRLPDCGWSVDVQIQSLLFL
FSTLDTNNKTLATGSGSSEEEVRCVGEREGRVYSSLVHRHFGLSHGMGRSGDITEPQ
PKAAGSSVLVKKLALHLTLDALRRGGGLDAKGAHAHGIILLPLCTGMSMILLGSLRSAATA
ENEKNDDGEP IRKDVVLSRIDQKSCFKAIHSAGLVCVVVQTKVEGDEVVTDMDAMEAAL
SEYGERVLAVITTTSCFAPRVPDAVDKVKLCKASGVYHVINNAYGLQCARTSKLINRAC
VVGRVDAIVCSTDKNFLVPVGGAI IASPNKKVIGDVGKVYAGRASSSPIVDLFIITLLSMG
MNGYKRLKERTTILETFPKKLQEISEKHGERLLSCPANTISFGLTLDGLARPKLDDSE
EDYTKSIGKEISSFGAMLF SRCVSGTRVVPQRSQKIMGGESFVGFSGSSTSQYPHAYMTAA
CAIGVSIQEVVEEFYVRLDKTLTEFETKTKKTEEQ

>comp7694_c0_seq1; 170 1 1013 LEN=1281; translated
XARESSQARMEQRGTTDTVPEGTSNRKLDAKIQXPPTNTTQHASRPGGSEFSASFSHTG
RIENHAACSRWRETGFAAVPVAVXGGLYPLPPRRIVVAIGPTLLWFDRATTSATTSAAED
PSCLGSEVRGRKAHRWAPPPPPSEQSGPGTXARPKPQQQEHQHHSSNEPRPPRPAA
ASAAIAPLMFAAWASDQAFGNRTRGQNEELRAGLLAELRERGHVQTGGGSSGEPFDFWS
SLGARPVLFWCVVRKASGVAHCLPGVELGDVVEVLEEGVGP GREYNLCRLPAVDGPPGSR
PPEDAYGWFP IRWLQTMDSYESMVRKQLVHLAKEGRPE

>comp7695_c0_seq1; 175 1 659 LEN=974; translated
XEQELSLCLVTRRAAPHATFPTSLPTERTDPTDTPPLPRAXAMPVPPDPKDGPGGGRSREG
FPPGRSDSDTGETPAVRWVQLLAPSDLPGGYELDVFC DGLVVAAVVPEGGVRAGEAFSV
PFLPPLEALAVLVP GAGEGEEGQSGGETETEPEATEATRLLLPENGGGGESGGEP IGA
ANALAVVVEAAAAAASGGASLSSQRRIERRNEGIQCNAM

>comp7697_c0_seq1; 550 1 2129 LEN=2185; translated
XIVSLMITCNLISTDGDIFDRSTWKVILSSFDAGMSNLDVLRKLI SVCSQKVVPFMDEL
QWKECNTGSEDKKLRKFDWF IDALDATRIRATVSNFPIFDEVNLNIRLDDVWAEDTLH
REVDDISRETNEEMIVLLNMSSSDTSRKQGEREVIDPYSFAFILPLILKTIESGFSPKNT
IPLDESENDGSRNNEEEKEMMP SWNLSKSSVASIQQLCEKGAISFCLISLSSMCETVRSY
AVSILGLILQACRTNHALDSSSWDRPQLVMI LNSVQRCLLLRKALDESESTVPRVTPV
ANFMARAALVLPKPDALVYSINRYFLKNENDHGAFQDMKRLPAFMSLFCSSSEDSNQSR
AERMWALQMISSGVVDGTCYKLLTSCHAPELVLSFFENVRLSNTSSEAKGAEICSMLESF
RAMIDHGGYGARVHLIRRCGLLSWVMSFCTSRSLAVALPTERSRILFCHLANSLVKIVFC
TPQLKSSDLVDETCALIQPLVALCLLP SQTGQPSSDVYRASFLALHALSFCLRRVKNDGV
LFPDVLFPFVSVESLRLIGIADESTKALSLHTLCSLPVSLTKDFEKDTPQGLILLMLQT
FDNVAVAESSPCMIRDLNLA LLLLQRIALLIERCKIRSTSTNQIGKEIATKVFRRLRSNS
RFSGTGARALRSRCLRMLMSKNITHDDADVGNIMGIVQRELYTGETCKA

>comp7698_c0_seq1; 930 1 3630 LEN=3769; translated
GPYLTRYNDNDNLSGGNCNDNNDQANQPQQLLVLPDDKARPRGGGTI HGISFLNDEKHG
CAQWDVAVYGGKRLAFCNLMGIKVGRWDTFQSSTESV PNPMS SAPPFLELDDWVWVVKIF
PKQSYGDDNKNKTHGTSKSKISLVVGFARHMIEIWNVENSATGNTDDAILSTRLRRFFLNP
ATVNTSMDFIFLNREYQSKCTDKTRDDNERIDTLWIAAGTSFHKIWI SCISIEDILEKGE
KEDNASNL SVENVDSANYRSLGSHLLQGHSGVVH SVRWFQDGVNISLASTSDDR SVRRWV
WDEADGQWMEKWTGWGHSARVWNIST IYASNGLSVSSPSTAFMLISVAEDGTARVWSAE
SGETLACIHHPTSLWTVDRKTD DDDGNFIIGAVDGISAIYNVHDYVTGRDGLKIDCVAVP
DDRPPPLMSGKSNCLIKSIAPGKEKNEDSDIVPKKKKTKNKIQSQVIVGMKCWKDASSE
STPKILVATRQGS LFTFDIHHENWQTCDPWWQPSIGESYGIQANDGNCLAVLDRLSAVAI
GTARGDIIITSTRQEKIKSH TILHASKLRAVQGLTFYNP SCLISFHVRTVAFWKV FDDI
FTTSDMQPDCVLQVETKGI PQCCAYDQENERIIIGDSRGNLSYYQI INDEFNGGGQNHWN
PICVLTRVHQKHITSIKWLNKNTILSAGNDGCLHVS YLDGDILQRGWSYSAPSLTGITK
IITDKSSIGEESYSGPIVVAGYHGNIYRVMDMDSGYEYIRC DTGGRQRILD CRFI IDECN

IAGRSLDYQLLVCQAQKDGSNVIYVQNSFPQFVPKLLDNPCKLKTAGVKLHGETIFESTFF
NLASKDLIFLVTASEDCSSRISSWKGGIEIVDSVQLTPQESCCRCVAVSQIDKKSULLIVG
GGKLALQFFLVKERRNCSDTKSTRDLQITFIGNGLTSKKGASIDHRINSICALPLSDDDS
RFHLVLAGDSEGCSHAFLVSEDNNQDNRSRGLLVPTTSERPILSIKMLVVCKRILILMG
TTGGEIDLFDLPASLPQLQESWEDFQSLWSPIGRYQGHQMGNTNTISVQVLSVNSTTRAI
LSIVSGDDQALCVSRI SVQQTGEINPCLQLVQEPNLKVIPEASFSAIKGVSHVRFHHQR
YLLSVGYSQQLSVWKIDDDDDMILECTSKLPVDLGDVNCIAVHQSFDESSYLVAVCGMGV
EVFRKVMESI

>comp7699_c0_seq1; 363 106 699 LEN=939; translated
MDTELANEIAQNCLTTAHVENQLSNLQGGQNLIAVQKERTAADCEKIKAMAEAKSQETLDS
AANTRKIEAAKAAAEALKLQTI TEAQAEADSILLKAKAEAEAIRLKAAAEAEERAKLLSQT
SLGQQQCLFEIYADMVKSSNAGVDKVVYLDPAVNKDSPFALGSLDGLNRNLHSLTKVGIA
SEQHENGKKEKEKEIN

>comp7699_c0_seq2; 999 192 2669 LEN=2909; translated
MKNMNSSKNTKQQNQFIENDGDESUNLIDLKVDGSEEEAKVEGYFSPSNMDFGKLFIES
PIEDRLPQTLEDCVGFLOGLPLLGNADQNDPQTI VDMINTEMVLDSEVDAETNHSRTM
QKKKTSHSRAIAFLGHTIRPGCISLYKKYETFYAVSEGRWLLGDSLAWHTDKKNISLD
TNLITAGNNQVLIIRIIEGQVGLITIQGVHLLDVGTHVFNTGTVQYYGVVEYAKQKYFS
HGPYHYLNVPKGNKAKVWVEVLGTNGGKSLVPRLIKEGEHF IKSTFFKYVGLVNI SDEYI
GHDSIHILNVVKGRVAKANCDNLPRLYGEGRHIIESPNSYEGTEIISPDLNLCISHGTIT
ILQVPRGTIALTNQNEPLLLDKPGLYEFNSNNVHFVGFVDASKRFIELGSKKVILVYTG
EVAITYDEGHKLKVENGRHVIDSSTHIFERFLSTKQRSIRLITYGAHKKIGKSKGKVGKQ
REQELDDSDLLVCETKDLVKVGRADVFYSIVDPEKCIQTLNTEELEDLVRETAVATLT
NIIRSTALNQIAQSRQISAAREEKPLMVANAEVVNDEETEDTTELDQQAATS YFFDRAHD
EFMSKLHEDFVTRYGVDIANIRMESFKIMDELANEIAQNCLTTAHVENQLSNLQGGQNLIA
AVQKERTAADCEKIKAMAEAKSQETLDS AANTRKIEAAKAAAEALKLQTI TEAQAEADSI
LLKAKAEAEAIRLKAAAEAEERAKLLSQTSLGQQQCLFEIYADMVKSSNAGVDKVVYLDPA
VNKDSPFALGSLDGLNRNLHSLTKVGIASEQHENGKKEKEKEIN

>comp7700_c0_seq1; 286 294 1370 LEN=1804; translated
MKILVNSRVAIAACLLLGFEENGSGGFVAESLHTTNAATTRTATTPHLRRSERTVTIHRNL
QEDVGEQTEEAPPPPAGEAVEPKPTAEPPPAEVP IENGGQDAAEPPAVVNAEPVPE
VIVNSEPVPEVEPQAEPQAGDEPSMVNAEAQGENGTEEAAMELGENTESTETEGSKDN
TETVAETTEEVEKESIVEIPEPTPQPIPEPTPSPVAAPEKPTVKPYVPSNDSYDPVKA
DEKHAEQELELETELKQEEKVARQAGGLGIFFGILAMIFTAHQMSENPDGLYASVCRL
AITISSVVVKIICMPCKLMGVGGGPNPYSGHMPISTNDYSYRNDPYRSNANAGFEMS

>comp7701_c0_seq1; 330 538 1452 LEN=2016; minus strand; translated
MALATASAARLTSVRCLLVPVGVEDQVFGGRLLRQFAFAVPVKVLELDVDPDHRIEEQ
LEGVVPLLQGLWTVVRVGDEACAEPDPGRELCEAAGTRVLAELDRVDPLDTEVFQVKLVV
PALVVLVGRVDQVAEVLERLAVDDGLVLGVPVKEGEDHVLVALAVPPRKSLLVLPGRGHER
VDFVLVLHKIEADILEVLQVKISNADVVDVQAHHGVERDRPNLLYRFQDPLALGQSLLAEE
DPRDKLELVAVWVFPRAQNAIRDQLPGGVVFLAIP IAVGVVNDGDPSVLEDAVHHFGPR
RKP I

>comp7702_c0_seq2; 343 1 1064 LEN=1677; translated
XQQKNTKKIPKMTTEEAL EEAKAATTPGNSEMNSTEEKHEGNQDGDQLTLFTSHLTNDK
TFPFHLRWGILFYLIGTFGLLVAADVGSVGTADSILMQEVEANTILNVSVISSVGKL
WEAKSYPLAIFIAITSIGWPYIKLALATYAWVTPYTNHRRRELLIEIIDALGKWSFVDIM
VLVEIMVAFRSSVVLGPGLSMEIMIVAQWGFYGFVVATMMSLVSTHII LYFHRSVHYHKA
ATVASKYDEHGVVEELAADVGGKDDDSKEKDIKEKRGMKELGDLSTGFIVMVIASIVFSF
AFYLAGVTTEIFEVTSTRGDVSVSTTYSISSLGMEIPKAYIDSGHVGTRFIQFMW

>comp7702_c0_seq3; 417 62 1090 LEN=1703; translated
MTTEEAL EEAKAATTPGNSEMNSTEEKHEGNQDGDQLTLFTSHLTNDKTFPFHLRWGILF
YLIGTFGLLVAADVGSVGTADSILMQEVEANTILNVSVISSVGKLWEAKSYPLAIFI
AITSIGWPYIKLALATYAWVTPYTNHRRRELLIEIIDALGKWSFVDIMVLVEIMVAFRSS
VVLGPGLSMEIMIVAQWGFYGFVVATMMSLVSTHII LYFHRSVHYHKAATVASKYDEHGV
VEELAADVGGKDDDSKEKDIKEKRGMKELGDLSTGFIVMVIASIVFSFAFYLAGVTTEIFE
EVTSTRGDVSVSTTYSISSLGMEIPKAYIDSGHVGTRFIQFMW

>comp7702_c0_seq4; 247 192 602 LEN=1215; translated
MMSLVSTHII LYFHRSVHYHKAATVASKYDEHGVVEELAADVGGKDDDSKEKDIKEKRG
MKELGDLSTGFIVMVIASIVFSFAFYLAGVTTEIFEVTSTRGDVSVSTTYSISSLGMEIPK
AYIDSGHVGTRFIQFMW

>comp7703_c0_seq1; 290 220 1368 LEN=2867; translated
MSTENDTEEDTHLAWTKKQGHVLSGGGKAESFYTAERGFPFLETDLPHYHLLKGDTHAVF
KPNLKSAPLVAGAWNRPLFSGGWKYSSDKEERVYNIQTNNLFI DFRVPRSRET VFRST
ATSLDDLGPRELRLYARQHIFAGFTVLDHEKDRPVATRHHFIDWNFVGVSRTRPNKWWIE
ANEDTSSWKEFSYATDNNQHYHFEQWDRLPNGNPAPRLALRVSPSEKRKSSTEQSEGL
CKQQDGVFVVLVDHFNVMGRKLSGEKRPYEVASLVLDLVDDAVASGDLATARSHLGI EGG
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DELKQFLNGIQHHNNQLRMTRP

>comp7704_c0_seq1; 427 35 1859 LEN=2473; translated
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VAKDEHTEKLDYEVELGVVIGASVPRYTSKENASKYIGGFTVIHDVSARYVFEVWQICTD
FSGXVFRSLIFLSLEQLLIWVYDIKETGNXKNGGQWLLGKSMDCYAPMGPVIVTTDEL
LEAVHKTGIRCRVNGETLQDSNTDEL VFGVDDIIAYVSRFMTLRAGDILATGTPPGVGC
RSPRRLVPGDVVECEIDGIGTLTSPIVGPLAKSGPENAGKNAALAAHSPLMRGQLYGKA
TACIVTGGARGLGCGIAARLGMEGANRVVIVDLKALIDEVCKRLNRLIPSCHYVGEPCD
VGDDKAVSESWGKIAESNNGRIDILVQAAGIVGKTNLKTEDVDPENFDVAVMRVNVRGIFN
GCKAVLPYMREKKYGRIVNISSIAGKDG NAGMLAYSTSKAAVIGLTKTIGKEYAEMGITC
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ATGGRSVY

>comp7704_c0_seq2; 514 35 1750 LEN=2364; translated
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NFIPADGCRL LAPIDGSLVGKFLCIGMNYKDHCTEQNVPIVPEPVVFSKFGQCICGPDTP
VAKDEHTEKLDYEVELGVVIGASVPRYTSKENASKYIGGFTVIHDVSARDWQLEKNGGQW
LLGKSMDCYAPMGPVIVTTDELLEAVHKTGIRCRVNGETLQDSNTDEL VFGVDDIIAYV
SRFMTLRAGDILATGTPPGVGCFRSPRRLVPGDVVECEIDGIGTLTSPIVGPLAKSGPE
NAGKNAALAAHSPLMRGQLYGKATACIVTGGARGLGCGIAARLGMEGANRVVIVDLKAL
IDEVCKRLNRLIPSCHYVGEPCDVGDDKAVSESWGKIAESNNGRIDILVQAAGIVGKTNL
KTEDVDPENFDVAVMRVNVRGIFNGCKAVLPYMREKKYGRIVNISSIAGKDG NAGMLAYST
SKAAVIGLTKTIGKEYAEMGITCNALCPAVVRTQMVEAMPTEQVKYMTDKIPMKRCGTID
EIAAMVFMVSPETSFTTGFCFDATGGRSVY

>comp7707_c0_seq2; 493 1 1798 LEN=2122; translated
XETQNSTSSRFWNTDSKRPKRTVRACEETS RDPSLLRAVSNSSCIPFQICRWSIFDFV
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VQRM PGKKEQVLF CRLSDYQRMLYEDFLRSDYVKKVFRGTAQLLGAITVMRKICNHPDLL
KDPDDDSLVEPLYEGRAPNELKSNNSGSDNDGEADAISGRYQTMIQRSGLKLEILAKILP
LWKKQGHRVLI FCQWRKMLDI IMEFVAVKGWKFRGLDGN TNVASRQRLVDTFNSDDSYFG
MLCTTRTGGVGLNLVGADRI ILYDPDWN PQTDAQARERAWRFGQKREVTVYRMICAGTIE
EKIYQRQIFKTALSNSVLQNSKQRRLF TNKDLKDLFSLKADNGSIVAGNDGVTETSELTR
GDGYIDPD DENNVADNHDDGETMRTVLK SQGLAGIFDHDVVEGKSKDKRASVREMEAKA
KKIAREALQNL RQSVNEESNPFGRSFRGAGNASSLLSSI AKRTSEISNAGTLRTAIES
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>comp7707_c0_seq4; 492 1 1709 LEN=2033; translated
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DYVKKVFRGTAQLLGAITVMRKICNHPDLLKDPDDDSLVEPLYEGRAPNELKSNNSGSD
NDGEADAISGRYQTMIQRSGLKLEILAKILPLWKKQGHRVLI FCQWRKMLDI IMEFVAVK
WKFRGLDGN TNVASRQRLVDTFNSDDSYFGMLCTTRTGGVGLNLVGADRI ILYDPDWN PQ
TDAQARERAWRFGQKREVTVYRMICAGTIEEKIYQRQIFKTALSNSVLQNSKQRRLF TNK
DLKDLFSLKADNGSIVAGNDGVTETSELTRGDGYIDPD DENNVADNHDDGETMRTVLK
SGLAGIFDHDVVEGKSKDKRASVREMEAKAKKIAREALQNL RQSVNEESNPFGRSFRG
GNASSLLSSI AKRTSEISNAGTLRTAIESNQKVQLL KDLQTFVRLNVPTTSEILDEFSS
QVSTHDAAAIFRRL LKSIATLNDGKWSLK

>comp7708_c0_seq1; 383 320 1123 LEN=1285; translated
MPFSTSPAIALRFAAIAGLVVDPSAFVANPRPPLKTKDTALSANSKNIRAAMEATERYG
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VSFQNNQQLMKDVAAELQAIKLSPPAKKPAPTIPGLWDAK LKARALSQQFGNQSPQAKLA
WEEVEEIIASSGLNNAVGGNLYQQETCDLVQAAEACMALEELDRFLYENYHVGDNIENND
QDSTGYYSTQNNEDYGYGNNEGGTTY

>comp7709_c0_seq1; 577 107 1909 LEN=2355; translated

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KDSGADEEDESQAARSYRAMTMLKQDLSIPNIPSVLIKPNPDQAGLLAKDLFAGLSVSNRK
RYSTLHIRELLDALLEVYPEKVMMAASAGGKQGIQEHLGPLLSTDQTLTVLTHLVCYGCT
GRKGIASAEKSAQHTANLYHQNLRNKFKIGIGQRKKFVRACMDFQLMDRLAKTITTSSTE
ADLGEEACEAILTMIELIGYPPEDI PQORMQOATNKKEEVSVGEEVLLSPLATTEWWAAL
LNTLCTDTCTSQORLAISR TCMQSFSLATGNSSRICKSHAPATDATEQAAGEVVDEKEVK
ITNKLIDWGLTDKIYASLVAQLPLLIKTLDLPSHDILNYKATFSTSGTNETNLDLP IIRH
PGRYCTVPLGSWRLQLLSLLKEIVVYSGLTSSKSETIGDAIESLMVLPLPAELNKSCKKE
DENDNEDCTIPAI FNPWPALCSYIWAYPNNDFYGITFFEMLR SVVLKHHEPTLRVILQKS
KFLTKAIKSVSNHQETCSSVVDCLNLLRRLRAKSLPPNTFLPQYLN SHDGWKAHIDQLIQ
>comp7709_c0_seq2; 625 341 2302 LEN=2455; translated
MQQFERKKKISEIPGDEDEAFKYFVNI VVPRNQSEVSGGEEKDSGADEEDESQAARSYRA
MTMLKQDLSIPNIPSVLIKPNPDQAGLLAKDLFAGLSVSNRKRYSTLHIRELLDALLEVYP
EKVMAAASAGGKQGIQEHLGPLLSTDQTLTVLTHLVCYGCTGRKGIASAEKSAQHTANLY
HQNLRNKFKIGIGQRKKFVRACMDFQLMDRLAKTITTSSTEADLGEEACEAILTMIELIG
YPPEDI PQORMQOATNKKEEVSVGEEVLLSPLATTEWWAALLNTLCTDTCTSQORLAISR
TCMQSFSLATGNSSRICKSHAPATDATEQAAGEVVDEKEVKITNKLIDWGLTDKIYASLV
AQLPLLIKTLDLPSHDILNYKATFSTSGTNETNLDLP IIRHPGRYCTVPLGSWRLQLLSL
LKEIVVYSGLTSSKSETIGDAIESLMVLPLPAELNKSCKKEDENDNEDCTIPAI FNPWPA
LCSYIWAYPNNDFYGITFFEMLR SVVLKHHEPTLRVILQKSKFLTKAIKSVSNHQETCSS
VVDCLNLLRRLRAKSLPPNTFLPQYLN SHDGWKAHIDQLIQTTTTTQQTPIKNEGKTVNIG
LGSAYAKQLGLGDVSEYDSTESKSPSDNTHQSELGETNGKKKKKNNKKKKKKK
>comp7709_c0_seq3; 671 107 2125 LEN=2278; translated
MATLSALDDFLDSPEADKGIGTVEARRLI SEIPGDEDEAFKYFVNI VVPRNQSEVSGGEE
KDSGADEEDESQAARSYRAMTMLKQDLSIPNIPSVLIKPNPDQAGLLAKDLFAGLSVSNRK
RYSTLHIRELLDALLEVYPEKVMMAASAGGKQGIQEHLGPLLSTDQTLTVLTHLVCYGCT
GRKGIASAEKSAQHTANLYHQNLRNKFKIGIGQRKKFVRACMDFQLMDRLAKTITTSSTE
ADLGEEACEAILTMIELIGYPPEDI PQORMQOATNKKEEVSVGEEVLLSPLATTEWWAAL
LNTLCTDTCTSQORLAISR TCMQSFSLATGNSSRICKSHAPATDATEQAAGEVVDEKEVK
ITNKLIDWGLTDKIYASLVAQLPLLIKTLDLPSHDILNYKATFSTSGTNETNLDLP IIRH
PGRYCTVPLGSWRLQLLSLLKEIVVYSGLTSSKSETIGDAIESLMVLPLPAELNKSCKKE
DENDNEDCTIPAI FNPWPALCSYIWAYPNNDFYGITFFEMLR SVVLKHHEPTLRVILQKS
KFLTKAIKSVSNHQETCSSVVDCLNLLRRLRAKSLPPNTFLPQYLN SHDGWKAHIDQLIQ
TTTTTQQTPIKNEGKTVNIGLGSAYAKQLGLGDVSEYDSTESKSPSDNTHQSELGETNGKK
KKKNNKKKKKKK
>comp7709_c0_seq4; 531 341 2086 LEN=2532; translated
MQQFERKKKISEIPGDEDEAFKYFVNI VVPRNQSEVSGGEEKDSGADEEDESQAARSYRA
MTMLKQDLSIPNIPSVLIKPNPDQAGLLAKDLFAGLSVSNRKRYSTLHIRELLDALLEVYP
EKVMAAASAGGKQGIQEHLGPLLSTDQTLTVLTHLVCYGCTGRKGIASAEKSAQHTANLY
HQNLRNKFKIGIGQRKKFVRACMDFQLMDRLAKTITTSSTEADLGEEACEAILTMIELIG
YPPEDI PQORMQOATNKKEEVSVGEEVLLSPLATTEWWAALLNTLCTDTCTSQORLAISR
TCMQSFSLATGNSSRICKSHAPATDATEQAAGEVVDEKEVKITNKLIDWGLTDKIYASLV
AQLPLLIKTLDLPSHDILNYKATFSTSGTNETNLDLP IIRHPGRYCTVPLGSWRLQLLSL
LKEIVVYSGLTSSKSETIGDAIESLMVLPLPAELNKSCKKEDENDNEDCTIPAI FNPWPA
LCSYIWAYPNNDFYGITFFEMLR SVVLKHHEPTLRVILQKSKFLTKAIKSVSNHQETCSS
VVDCLNLLRRLRAKSLPPNTFLPQYLN SHDGWKAHIDQLIQ
>comp7710_c0_seq1; 362 90 1062 LEN=1156; translated
MILSFYISSSIYSKEYI IGDLPKSGFSITSKDESEAENSVSCGSSTSNISSSGSDGSDA
STESINSEANMKSASLAFPI TDRDQLPTLEVIAGTASILQNNSEDCHTSVFDDEEPEQGP
TNDSYALVGASGASVDDMWGTVRQKRVLSSNTLSALNAEAGR NEDSTKRKRGLDQPKEDF
CAIPEITLGI EALDQI IHPLPRQYI IREDSPSISSSCEKEDEMLSEELEERFRSSSECCS
VDNPI IPLLTPPQSPRTIGVIEWPSNLVMDSTIMTAYSNLSPVSTSSNNSGSLMSDQSKI
RTSGEFSTNRSTRRCRTISVATT
>comp7710_c0_seq3; 541 192 1499 LEN=1593; translated
MTEKVTMMLVNSYQSGNEETEDEEVKRNCFGEGSMRSDLSDTDFEEEEGEEKND AVDAD
EGRKQGNVTKNSKEVGMDDLVKFVTIGSEI IKPNGVVLYRPTPVLPTILLQT NESHQTL
KEHEKRSISIGDLNPKSGFSITSKDESEAENSVSCGSSTSNISSSGSDGSDASTESINSE
ANMKSASLAFPI TDRDQLPTLEVIAGTASILQNNSEDCHTSVFDDEEPEQGP TNDSYALV
GASGASVDDMWGTVRQKRVLSSNTLSALNAEAGR NEDSTKRKRGLDQPKEDFCAIPEITL
GIEALDQI IHPLPRQYI IREDSPSISSSCEKEDEMLSEELEERFRSSSECCSVDNPI IPL

LTPPQSPRTIGVIEWPSNLVMDSTIMTAYSNLSPVSTSSNNSGSLMSDQSKIRTSGEFST
NRSTRRCRTISVATT
>comp7710_c0_seq4; 541 744 2051 LEN=2145; translated
MTEKVTKMLVNSYQSGNEETEDEEVKRNCFGESGMRDSDLSDTDFEEEEGEEKNDVAVDAD
EGRKQGNVTKNSKEVGMDDLVKFVTTIGSEI IKPNGVVLVYRPTVLPVPTILLQTNESHQTL
KEHEKRSISIGDLNPKSGFSITSKDESEAENSVSCGSSTSNISSSGSDGSDASTESINSE
ANMKSASLAFPIITDRDQLPTLEVIAGTASILQNNSEDCHTSVFDDEEEEPQGPTNDSYALV
GASGASVDDMWGTVRQKRVLSSNTLSALNAEAGRNEDESTKRKRGLDQPKEDFCAIPEITL
GIEALDQI IHPLPRQYI IREDSPSISSSCEKEDEMLSEELEERFRSSSECCSVDNPIIPL
LTPPQSPRTIGVIEWPSNLVMDSTIMTAYSNLSPVSTSSNNSGSLMSDQSKIRTSGEFST
NRSTRRCRTISVATT
>comp7712_c0_seq1; 356 134 799 LEN=895; translated
MGKKKGGGMVRIKQTGPTKAQKDMKQMASGNPMEEFMTPPEDMVHYIPPDRNAQMFWPI
QEIFSMDPNSFFII YPSYLDSSKTVKMGRRIAAENAVDTPTVQDISEALASLSIRHVSQP
NKGYSRDATTLWDNPNRQVVDPAALESYTKRSLMVELASIIKELPSRARRLEVMKKLEE
AREAKRLEAKAKKEQAAKQQHKLKSQTSSRSSNKKKGGKRR
>comp7713_c0_seq1; 172 77 454 LEN=698; translated
MSSGAGIQELMAAETRASQIVAEARMGRGDRMKQAKADSAEIVAAYKAEKQEEFNMMVLS
KGGSEGDASAKLQAETDKEIATMQALFQKNAQKAVDVLVLLSKCCEVSLEVPTARVRATRKI
AGLAN
>comp7713_c0_seq2; 238 412 696 LEN=940; translated
MKQAKADSAEIVAAYKAEKQEEFNMMVLSKGGSEGDASAKLQAETDKEIATMQALFQKNA
QKAVDVLVLLSKCCEVSLEVPTARVRATRKIAGLAN
>comp7714_c0_seq1; 291 1 1678 LEN=2284; translated
GESLSESEIGETLQKEVLKSNQKIPDAAAYPGWWSVAFFLLPLIIPTIIVVENDGHAVN
SNTDDHQNRKLLLEHGLRGGNVGTGESWTS PGVDSDDLISAADPAVLSSNVTIPLHAHSGT
WHVHVYVGSPPQRQTLIVDTGSKAMAFPKCTCETCTECCGSHASPYFDPFQSTTHRITK
GDCLLEGISKCLPLYSFGLDSSLQGAEGNSNFCTFTQRYTEGSSWTATEVEDIVWLGSDEL
VESVEGFLPQLAIAYPFGCQTSSKGLFQKQYADGILGLSIHNTSIVTALYGEGLIPQNAF
SLCFTHGEGVMSLGGTLDPKKYHFRPIVTTPLTRQQDHGYYSVEVIRLLVGRNNGSDPSG
EESIVITDSETRPKLLRDMNAGKGCILDGTTDSYFPPSSLARVVRKAVIDYASSSNLHDN
DSGNGYNAENVDLFSNKWRHRMYTYAEFQALLPTVTVVLANNATVDILPLHYMERVPIDS
KTGWVVPWKGSRERLANRLYFEEASAGSVLGTNAFFGYDLLFDSTLPGRHRVGIAPADCHAA
LARSSAATAEGMAMDLO
>comp7717_c0_seq1; 846 102 2126 LEN=2239; translated
MIRRISGSIPRCTSSSSRPLPPIGSAPFHCSREAAVAAGTRTSRRSISFSRCPCKWSVDS
DTGVVSLDGTARFQTVIGVEIHAQLDVSTKLFSGCPVPNSKTTKGKSSIVHNKPNSSVWP
MDVGVPGILPRLSSEAVRAAVLSAGAMNCCVQTVSRFRERKHYFYADLPLGYQITQQRWPL
ARDGLLVCQKTKKQKNKNKKKQKTKDSSDNAEDTFTLRIERVQLEQDTGKTLADAYTN
PITNRRESLVDFNRAGRALIEVVSHPDLSSTQASIVVETLRSLFKHIGTCDGKMEEGSL
RCDLNVSIAPILENEDDGGNASDSSVDCDILSRTGHRVEVKNLNSIRQVQQAAYEALRQ
SRAILEDNSPTPQETRTFDVKTNTVIRTKEGAKDYRFMPDPLPPLVLDND DALGSGG
VEAFLEANLPPELPHARERLRTEHDLTDYLAGVVTNDPPAIAFFDEAVREARAQLLGGDD
RRTRQIPETVANLLCNELFALVREFEMQRLIEEGLVDAAGGGGDSMRYSRVTGQQLGEV
VAMVLEGIISNTMAKQLLRVLYSDAMGDEDEGEPEESTITPSRVGKSPRTVAKERGFEL
ITDANELEKLCRTAIGNSPKEMERYKLGKYSVKITKFLLGKAMGASRGNAPERLNEVL
AEVLEEVAPLDSVE
>comp7718_c0_seq1; 705 252 2430 LEN=3131; translated
MYGAVRSDDDERNLLPRGRNEASQNIKPASYTGLVVNRFLIILLLAGLVGISITLQSF
QTQLNVQLSTDEEKIHFLEATVEAQKIIERFNQSVTNADVVEELNTMEDRWDRERGELF
AQLNNTKAEVREVELDKAMTMLDQTVKLAEAQIQEDIKAVKWNITEMAANTNDRFTMENNF
MIYQVAGTFTVLSCLISMWHMGSHINKMEQPAIQRKILAILWMCPIYEVIRTELKWLNR
RNLEPFISGTSFHYDLLFCFSFHASTHFFSAAXAVSSCLSLVIADYAGYFAILKDFYEAYI
IYQFLSFCISAIGGGDREKVVDAALSKEVGHLLTPPFRFCFCCKKHYENDRAMASAILLQCQ
GFAMQFVFWKPVISIGQFFCKKYSYGPFFATDAMDWKSLLQFWMSIIVNISTFVAFAGLLK
FYHAVDTDLAWCRPFKFLCIKGVVFMFTWQGMALKILAEITDVGSDANTADDWSEKVN
FLICLEMLLFSIAHFYCFVDEWQPGYKVNRYKAKFGETMALNDFFTDLKIILTSDDSRK
KKKRASSKPKSESTIPEEDESETQDGSVFGSGMSSVDEEEESKNALVQALKSYDDDED
DELPTQQNDLVDAERRLGNMLDDMLFSPRSVPEDPSHTSVDDNDVIKTEEISRDEETGH
IEEGTSKETTGLLTGASGETLTNNLKPISIFTVISQHQSMEEDETEVEEGIENQENGKEDSG

NPKEE

>comp7718_c0_seq2; 820 252 2294 LEN=2995; translated
MYGAVRSDDDERNSSLRPRGRNEASQNIKPASYTGLVVNRFLIILLLAGLVGISITLQSF
QTQLNVQLSTDEEKIHFLEATVEAQGKIIERFNQSVTNADVVEELNTMEDRWDRERGELF
AQLNNTKAEVRVELDKAMTMLDQTVKLAEAIQEDIKAVKWNITEMAANTNDRFTMENNF
MIYQVAGTFTVLSCLISMWHMGSHINKMEQPAIQRKILAILWMCPIYAVSSCLSLVIADY
AGYFAILKDFYEAYIIYQFLSFCISAIGGGDREKVVVDALKEVGHLLTPPFRFCFCCKKHY
ENDRAMASAILLQCQGFAMQFVFWKPVISIGQFFCKKYSYYGPFATDAMDWKSLSQFWMSI
IVNISTFVAFAGLLKFYHAVDTDLAWCRPFKFLCIKGVVFMFTWQGMALKILAEITDVG
SDANTADDWSEKVNFLICLEMFLSIAHFYCFPVDEWQPGYKVNYRKAKFGETMALNDF
FTDLKIIILTSDDSRKKKKRASSKPKSESTIPEEDESETQDGSVFSGMGSSVDEEEESKN
ALVQALKSYDDEDDDELPTQQNDLVDAERRLGNMLDDMLFSRSPVPEDPSHTSVDDND
VIKTEEISRDEETGHIIEGTSKETTGLLTGASGETLTNNLKPSIFTVISQHQSMEEDETEV
EEGIENQENGKEDSGNPKEE

>comp7719_c0_seq1; 84 131 876 LEN=876; minus strand; translated
MSATPLRTIGDISVSPESFPLPRRLPHGLQNPIISSCREDEGKHVWVKGDNDQSGRNRPPVS
FFFGLRPNTSIAPANPEDPPSPMLRRSICVXVRGHDGLVKHHAAGKESKQDGLDDQPK
NVHELGRSIQARDVVGADVSPVTHTVKESHEHQSEGVHARQAGVENEEQKVFFVVSYPHAV
VYPGTVICQTVHKKHQHSRYKAKNVSDAGTEKVHVKPTKRPSIYRFVQWQQLAALEKKS
LGKKHLRSI

>comp7719_c0_seq2; 303 1 1307 LEN=1430; translated
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GVGGTANHLKLAMVKPVVKMAKVKRNKFGTGPFEHWNLDCCGLFCASFTYMLHAYGVY
ATCLILIPPWMSTVDEDEGVRTISAIGHLNRVAFTLVALLAVWAHFKAMTTNPGAVPPDAI
PLEEANNPDTGANGEGKDGKNSLMVEDSAQPPPRKGRRLCRRCNFSFKPRAHHC
SICKRCVVKMDHHCWPVNNVCGIGNHKYFLLFIFYTCLSCVYSLTLVLMRFFDCMGRHGH
IRTHHITCLDRPTQLMNLGLVVEAILFGLFTCCMMFDQASVVTNLTQIDRLKGGIDGSSGL
AGAIEVFGLNPKKNDTGGRFRPDWLSPFHHTCFPSSLQDEIMGFCRPGCSRRGNGKDSGD
TEMSPMVRNGVADIV

>comp7721_c0_seq1; 166 153 602 LEN=981; translated
MTELPETNESSNTVGIANKAQSRTEEGPAPDGMGVQRKIIPSSSESIDPPSLTGKRDHVG
EKVAGDSGAGGDGIAAMLHAFAAADAARTTAGADTSSSTRNTHNKRKREWLSYRGRTRHSR
VGEDYQVTSLPSVAKPDHARTTESNGK GK

>comp7722_c0_seq1; 345 1566 2851 LEN=3096; translated
MRKTNTLDSSTAAIQNCENISVEQNTVEVGKTKDSDGDFDINDIPESRTMLIQINDESIVM
NWLKRLPEDESSRGVWAPQPQVATQEQKCSLAGTAIQGAQGNLPHAPVAPSTVRIPK
READSLFLHPPTASSLDSYNRHSVGPANLADGQSI STYHGTRKRNEPSHHPYPYNPLTPL
HKDTAVPPQYTSHLWPYPNTAIPSHSASHPHYPYVTVPESPISPAPDIASPGATS
RGS PRSPTVTAGEAAAMRRKKPRREFEPDGKHESQRLDLSPPVSTVPQLQRPLG
SYSQVPIASGHPPAGPPPMHPSQHHSSQVQSEQQPWMAYHPMYQPQLQPMGIQY
YNDPTNMALRTPENNSRSLQHNDSPNNVTMTPGPGDGGGDHSDDDNDFNRRVLT
LTNEKPYIGGITKHAPNENGIKSDRNQHR

>comp7722_c0_seq2; 336 150 2017 LEN=2262; translated
MPTNLPPYSTLQGDPKPRITCGQQQIMFPHSKSFGNVLTFTPPGFKQTLNVKFPDSRLP
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FCGIEDFPKSKVPVCSTCKKTNRTRSFCDRDRHKHRKLPWCTVYVMLSTQESADPSTVSA
APSTKFEGRDENTMRKTNTLDSSTAAIQNCENISVEQNTVEVGKTKDSDGDFDINDIPES
RTMLIQINDESIVMNWLKRLPEDESSRGVWAPQPQVATQEQKCSLAGTAIQGAQGNL
PHAPVAPSTVRIPKREADSLFLHPPTASSLDSYNRHSVGPANLADGQSI STYHGTRKRNE
PSHHPYPYNPLTPLHKDTAVPPQYTSHLWPYPNTAIPSHSASHPHYPYVTVPESPISPAP
DIASPGATS
RGS PRSPTVTAGEAAAMRRKKPRREFEPDGKHESQRLDLSPPVSTVPQLQRPLG
SYSQVPIASGHPPAGPPPMHPSQHHSSQVQSEQQPWMAYHPMYQPQLQPMGIQY
YNDPTNMALRTPENNSRSLQHNDSPNNVTMTPGPGDGGGDHSDDDNDFNRRVLT
LTNEKPYIGGITKHAPNENGIKSDRNQHR

>comp7723_c0_seq1; 434 79 1272 LEN=1596; translated
MTAFIEDPVKAGVEWAKKNHFAKFVESKIVDNSDAYPKFDKAQLNLGKVLGKGGFCTVY
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ATETRVSFSDTEHPNIVKARAFAHESPFDEQYFIMMDRLYDTLEKRIGKWKQNRYSGLN
GKLLDRKGQKKDLLEERVVDAFDLSAIGYLHQKNIVYRDIKPENIGFDVRDDIKLDFD
GLAVEKKDSRLIDDDLYNFTGMSGTPRYMAPEVANEEHYNEKCDVYSFAILLWEMMALKT

PFVYVYVMSVFKRVVWNGEHKRPYIDPGWPPSIKTLQRAWCRDISVRPDPFEEITKILKRE
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>comp7724_c0_seq1; 109 1 578 LEN=1260; translated
XQNPIFRTANPTSSKSARSTTDNGECSNGPSRRGARGGALSSNHLYHHHPPNNATSQPTP
LFQRLHSEEVQSVHQEVKAYKRIVESQNLRLVELERIHGDLEKRLELESRRRQLETTLE
QREREWTTKFHALETDRDHWENQVTQEQAKNRQEIKLYGKTKTYTECFNGRRCTQQYYS
MTTKENLALDSQ
>comp7724_c0_seq2; 104 1 518 LEN=1425; translated
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LFQRLHSEEVQSVHQEVKAYKRIVESQNLRLVELERIHGDLEKRLELESRRRQLETTLE
QREREWTTKFHALETDRDHWENQVTQEQAKNRQEIKLYGKTKTYTECFNGR
>comp7724_c0_seq3; 134 1 751 LEN=1236; translated
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LFQRLHSEEVQSVHQEVKAYKRIVESQNLRLVELERIHGDLEKRLELESRRRQLETTLE
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>comp7725_c0_seq1; 345 1 917 LEN=952; translated
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VSEDDKHARELAAMETMVRALGGASRGQAXESTGGEILALWKEYEEGTSHEARLVKDMDK
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GSNEP
>comp7726_c0_seq1; 199 85 642 LEN=755; translated
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>comp7726_c0_seq2; 344 85 1149 LEN=1322; translated
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LDYDELSNMDPDDVLLPAFLDAEGVENVSAEYVNDLEPPAFRCVPRLGELKESLLKVS
FKHVMMSGSGTSIFCIGEPDDHESFMKKGEMDDVQVFFSEFIDREKGEWFQKP
>comp7727_c0_seq1; 877 97 2095 LEN=2140; translated
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KELTI
>comp7728_c0_seq1; 662 38 1951 LEN=2076; translated
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LLKGGNEGTSNFTVPYSPAPSM LFR AFDEKTGDENRFAFDHHDHGRVCGEDSNQQLGDL
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>comp7729_c0_seq1; 436 121 1401 LEN=1401; translated
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SLSKTFLISSLDCIGEENDDGSACDKEGGVNVDP SLKFAREWLD TQDRASMEDDGSIFST
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VSSPIWSHLMNNSPLYVHVLLVREQFYLDGPDVTLKEASKALAQANTLHSLLVGKVS LVK
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LTPLVVL
>comp7729_c0_seq2; 801 121 2517 LEN=2621; translated
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>comp7730_c0_seq1; 537 1 1566 LEN=1863; translated
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DIYDLEAKLHQANARDD DELAQVMIDEHVYSEDVDESTLPVQTDGVAKGLIRAHKKQONES
KNEDESLSIAYPETNGQAKRPRWKYVAKVVNTRAMRKKGRKITSYNNNTTNTLVEHNG
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>comp7734_c0_seq1; 614 84 1700 LEN=1973; translated
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LGYQELVNAIIRPPRADYKMEALGPPAFTFCGRKFRTRDFTLQTKRGNLECSHWEPVER
IADKIP I VIMHGNSSARVEVLPQLSYLLSMGVAVFSFDFAGSGKSDGEYVSLGY YERED
LTCVVSHLRATGVVSTIALWGRSMGAATSLMFGSRDPSIACMILDSPFADLTQLAEEMVE
KGRDQGI VVPTFVVSMA LRMITGSVKKQANVNIKNISPISHADKCFIPAFFVAGEHDDFI
KKHHA EAIYK KYAGDKNIIIVEGDHNSPRPKFMFDSASIFLQTC LQIPSNWALPVPPSMN
LMCPPWFYFEMYQNRMRASQRSSARGSQQRLSKTGKDP SGKHGNFDGDQMGMTQDRQREI
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>comp7736_c0_seq1; 789 106 2379 LEN=2517; translated
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LGGLSGDIRKLQETSKRLGIQLHNRKAAAMGLRDFLGR IILSPHLVNTIVKGPVND E FQE
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LRKPQTNIRILQSHGLLHYATLYEFLMDAAPNIAQELFKVYCGSMSKTM YALFRTYQAQL
IQLDATKHAATRQDVLAVEDAYLRDSITTKAKKRVDVFTLGNRANVLNITHENPVVAHVA
LSEHQTFPYERLLKSLQHLVDAVTNEHVVCROFFKRDAFEQLFPPTLQ LLLLEQENYLF
GCYDALSILLMIKVTHQFRRSAQSRTIHSLDAFFDQITHLLWPRLKTVMELHLRSIKQAT
PLSLGHVPPNLHAHYVSRRAEFTCSVLVILQKGNKPLPSVGSTSSAHKNSQKTAASN SP
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LDQAVCIFQERRVAGGKELNRILELLMLQRELFVEEELLHGFSKMIAFVQQTEASLATGS
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>comp7738_c0_seq1; 1411 106 2229 LEN=2261; translated

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LAGFDLPMEEVKNFRQHHSMTPGHPEFSPSEHNTPGIECTTGPLGQGVSNVAVGMAASEKM
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VSGSADLHGSTRNYINEGGNFGSGFDKTYSGKNLYFGIREHAMGSIMNGFAFHGLFKISG
STFLVFDYFRPTVRVASLSELGAVSYILTHDSIGVGEDGPTHQPVETVSGLRVIPNLVDV
YRPADAEETVAAMAHSATRKEGPTALIFSRQNIQNNVDVYMARREGALKGAYVAKKETE
DLDLII IATGSEVQHAKAAADLPGARVSMPCMEVYERQSAEYKESVLPSSCTKRIAME
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>comp7739_c0_seq1; 375 76 1584 LEN=1975; translated
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SIAGELYGKNIITVRHDEPSVLSGSITSGRRSITSGRPPKMPTPKSQVSRNNNSYFREHS
QMEGIRDAVPNQEASPYDLSIRNRGSRLLSSSSPMQNFTQRLRALSPTSNESSGLDREEDG
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NEKRKTYKTIGAKRQEKEQWDLGEIILRPLALTMNIMSCGQIVSGEAGDVALEYKPNG
TKRRSGRRTGRRTRRRRAGSPAFESRDDTFDYDCDDNRKKSSYRDQDFTSSYSGSFLSSA
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>comp7740_c0_seq1; 890 335 2761 LEN=2834; translated
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DTNDTSGGSEISATVVHRIEALALIDPDLIEEHDFQDYETPITAMNLHRPPSVVIEKDDT
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SNTTISDAQQSNQNNNNAIESDNDKSKQNSRMLEKSKARLVLRQEYTLRRSSNSNLE
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QDLFNSSINTEESVLAVDVFDNYVIGTQLGRCLLYATYDSENYFPVWQTVLPYPYIHGTK
IISRKGERPSVASCEEGELSEALSVAVITRRSFHLFDVAVRGGIPWRRKPTKEHYSPELAK
IRLSKILDEIQENKESDLATRKSVLETIRHLVHKVEMTAQTHKDDIEKSSSILRAHVL
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>comp7741_c0_seq1; 373 124 1152 LEN=1482; translated
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QQKQLPPGWVEAKDPSSGNVYYCNPQTRERTRWERPVFSSLPSTTPPVETHSNRSTPKSL
VTDPTKDYGHRNRDAASRSSYGGGTNQAATLPTAATPASTTPESTTQATQNTGGEDGFDE
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>comp7743_c0_seq1; 411 112 1545 LEN=2217; translated
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KLNGEDAVCPQQGELLIPSPSWSSSGEILLLDALRKAATGNQKQLPAMKHCRSHSHG
CHGCDYDNGDKTFLNQGKTQIKNNNGKNNTIVLVCGLVTSVCVLNTAMVCREEGYRTFII
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>comp7744_c0_seq1; 250 1 834 LEN=1280; translated
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WGGFTVVGGGVGGRYVFGHIGNGYFALWAMLIFSLGNCGLSIAFFKREAKNADSCVYGLT
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>comp7744_c0_seq2; 226 1 929 LEN=1375; translated

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WGFFTVVGGGVGGRYVFGHIGNGMQAAALFSLLLVLFVLFSPNPLSVPLPHSLAGYFALW
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FAGNGYFAAW

>comp7745_c0_seq1; 521 268 1718 LEN=1718; translated
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FPVICLTSISILHTCAPKKSFSPLGKPLFSKGVGLATSFKAQAGTIGTFLKERGPF LTNE
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>comp7745_c0_seq2; 535 413 1745 LEN=1846; translated
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VVAIERTRHVLSANCSFGDVS RDDLVQVIKYTG VFGALVELLMDRVARAGTTLAALWEEK
SGLAAEAAEAKAARRVRERASRGTCMICLDEKPN IATLCCGNAIHLNCCA EWLSGNNRCP
ICRHEMPSISGRVVRAMEEPRERYEEENEDGDT DGTGGQNPEIFERDYQNVVERFWTEVR
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ARTRARGNNMGNRSTVNPDIQNIDETTTDSSES IDQGGEHDATTTIVGEEDAETEDNLD T
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>comp7745_c0_seq3; 535 294 1626 LEN=1727; translated
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VVAIERTRHVLSANCSFGDVS RDDLVQVIKYTG VFGALVELLMDRVARAGTTLAALWEEK
SGLAAEAAEAKAARRVRERASRGTCMICLDEKPN IATLCCGNAIHLNCCA EWLSGNNRCP
ICRHEMPSISGRVVRAMEEPRERYEEENEDGDT DGTGGQNPEIFERDYQNVVERFWTEVR
QGSRTNRANRSNPSFLEFFDSTTTLPEDTGVRLRFNDESSGSSESDSDDDV VSLHRLRNN
ARTRARGNNMGNRSTVNPDIQNIDETTTDSSES IDQGGEHDATTTIVGEEDAETEDNLD T
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>comp7745_c0_seq4; 869 268 3190 LEN=3291; translated
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FPVICLTSISILHTCAPKKSFSPLGKPLFSKGVGLATSFKAQAGTIGTFLKERGPF LTNE
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KAARRVRERASRGTCMICLDEKPN IATLCCGNAIHLNCCA EWLSGNNRCPICRHEMPSIS
GRVVRAMEEPRERYEEENEDGDT DGTGGQNPEIFERDYQNVVERFWTEVRQGSRTNRANR
SNPSFLEFFDSTTTLPEDTGVRLRFNDESSGSSESDSDDDV VSLHRLRNNARTRARGNNM
GNRSTVNPDIQNIDETTTDSSES IDQGGEHDATTTIVGEEDAETEDNLD TTTTTVNESES
NTTTTTDDSDSHSQEPRRHEMSMICALHRVATARRWGAQTTFVGDAA CLLEIGIAQDIIL
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>comp7746_c0_seq1; 450 242 1090 LEN=1168; translated
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REAEVKHARLAMLAAVGWPISELED RNIAEFFNAPSVLDDGDRVPSVLNGLDRIDPRFW
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LGVVGYVSEEVTKMAVVDTPVLFQIPITETIEEVISSSFL

>comp7747_c0_seq1; 251 375 1489 LEN=2339; translated
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LP I PGLRGLPNLRYLYYRGNPNFGSGDEEHS LWKDKNENQLSRLLVQDLLHPGVRFKNSL
EILEIERGNL TEVDAAGLVTDVLPHPYKQLXGLGLAQQPCVTGTYP SQAVTADPSLGPVA
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>comp7747_c0_seq2; 286 375 1817 LEN=2182; translated
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GLPREIVHLAGSLEEIAFHFCDELDFENGFPWLEFQSLHKLTD FRIHGRTSSSSREAKRI
LP I PGLRGLPNLRYLYYRGNPNFGSGDEEHS LWKDKNENQLSRLLVQDLLHPGVRFKNSL
EILEIERGNL TEVDAAGLVTDVLPHPYKQLRVLVLPNNRIASLELILAKQSLPIPPSVRLR
CLNLLGNPVLNSKKCKDIRPERKNLLRLLSLHEEITSLGHGITESAPCTTKVLLALDRND
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>comp7748_c0_seq1; 527 1643 3133 LEN=4058; translated
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VL P P L Q Q G T H T T T K L E Q Q S S P S Q G Y F W E D G V W K V W Q A G N N N E R A G Q R G A P A P I D D G K M P A
PILVVG P A P A P M V G Q R T S K Q Y H P P P H Y S Q Q Q E P Q A Q Q H I V A Y S V Q A Q Q H Q P F P Q Q Q H Q P M
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>comp7748_c0_seq2; 527 1643 3133 LEN=4000; translated
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VL P P L Q Q G T H T T T K L E Q Q S S P S Q G Y F W E D G V W K V W Q A G N N N E R A G Q R G A P A P I D D G K M P A
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>comp7749_c0_seq1; 308 149 886 LEN=1233; translated
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VNTQAASSRPLACIGL FVGV DDEKGPQVFKVDCAGHYLPFFAAASGPKEQEAMNFLERRV
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DDADA

>comp7749_c0_seq2; 297 542 1039 LEN=1386; translated
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>comp7750_c0_seq1; 231 86 478 LEN=2269; translated
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EEIKKTAAAS

>comp7750_c0_seq2; 309 1205 1561 LEN=1690; minus strand; translated
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>comp7750_c0_seq3; 231 86 478 LEN=861; translated
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EEIKKTAAAS

>comp7751_c0_seq1; 581 242 1705 LEN=1833; translated
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KTAELLT TMLASSTNAITNLHMEEIQGGEGT NAAALALTLNPESSIKSLCLIGNSIDEAN

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DLLCNTR

>comp7752_c0_seq1; 229 1432 2169 LEN=2347; minus strand; translated
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>comp7753_c0_seq1; 456 1 1336 LEN=1607; translated
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IYRLYKDLLLLETFAIMTYCSFSKILKKHKDKVTGYETKNAFMANIVNKANFTHYPKVL SM
ITRCEKFYEEVSQNLHKEGKEGLYEDERTSAIVFSFVLCFLFLEPMNAKHLQLSCPLVIVT
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>comp7753_c0_seq2; 451 1 1160 LEN=1431; translated
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>comp7755_c1_seq1; 251 1 1034 LEN=1353; translated
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KAGASSALEIESAPGGGPSAVPAPAAPLTKEAIRELRAMGKKELMDKLRTDVARTGQIPP
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>comp7757_c0_seq1; 228 1 717 LEN=717; minus strand; translated
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SLGFDGKSDHEDDAIVIILDPDMLLRPITADFS SKNYAGGWATSKNTKEHVANNMSPV
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>comp7760_c0_seq1; 426 99 1994 LEN=2174; translated
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>comp7760_c0_seq2; 415 99 1736 LEN=2349; translated
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ERSPIW

>comp7761_c0_seq1; 104 275 1177 LEN=1177; translated
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>comp7762_c0_seq1; 1949 402 7490 LEN=7599; translated
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ISVEALRVLSEDTDSYRQTRS QLCVSGATETLGLTIKENASIIELLSNSDGS HRYITNAP
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RYFSFRREGELLARLRDKHSGSIDSNDVHWT LGFTNSTFAGEFVESLVQTYLKHMITGL
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YYVLSALLKLNKRLVSVLGD TGIGRSSLV CALCHYINERASTISEIQQIYFIKPKQGDRN
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>comp7763_c0_seq1; 1180 49 2478 LEN=2520; translated
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LSNADSKGKDRFMVHDALNDKNVALTPRQLELIRRIQGGAYAHPEFDGNAEYIDYFSGVD
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QHVR IYHLVKQAMVKRLISGCRWISSLDIHSSGDHLIVGSLDRRMVWFDL DL SHTPYKTL
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>comp7764_c0_seq1; 519 1 1967 LEN=2550; translated
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CYSSLEHWKDLLAML SLAVDDGDREENS RKDEKGRRLGQNR RHEALYRGLLRLLPYQLS
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>comp7765_c0_seq3; 888 211 5040 LEN=5126; translated
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SVDIPAVGGMHT EAI FRPIHRKDIRQGH LVVVRNREMIPADMVLVASSGDRGCAYIETSS
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>comp7766_c0_seq1; 612 510 2362 LEN=2561; translated
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>comp7767_c0_seq1; 139 82 321 LEN=601; translated

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>comp7769_c0_seq1; 257 174 902 LEN=1203; translated
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SA
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>comp7770_c0_seq1; 610 1 1815 LEN=2619; translated
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VYWHHMKLNL DQYIISP YGARSVISRNIVQIIRGQHGRFLEQDPKTGLWYSISDKRALEK
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PEYY
>comp7771_c0_seq1; 345 121 1143 LEN=2109; translated
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>comp7772_c0_seq1; 345 153 860 LEN=2786; translated
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ERNAIQEEIHGARCMAVEETPALIRRLNEFESELYNGDETGGSRHVYRRI LKRHLERIE
AASKDTSVVHPSNYAIDDEDFRLRFLRCEMF DASRAAQRF CNYLDLAYELFGDIVLERMV
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>comp7772_c0_seq2; 418 153 1742 LEN=2634; translated
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AASKDTSVVHPSNYAIDDEDFRLRFLRCEMF DASRAAQRF CNYLDLAYELFGDIVLERMV
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STETTNSIKSTFHNQWMKTRSMVECGYIEHSEEGRTGDRDDRDENREKINGTFVECPGLN
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CTSSLDGTSTSDNREKPNSEYIRVLHMEKAIKSRDQAIISNNNGFAKKLSGGNDSESLNE
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>comp7773_c0_seq2; 738 1 2965 LEN=3765; minus strand; translated
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FDRGRTPFHPKPFENETPSTMSALISQYHKNMRYRGDRCSSTNLKVSSPSKKNLSNSEA
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CTSSLDGTSTSDNREKPNSEYIRVLHMEKAIKSRDQAIISNNNGFAKKLSGGNDSESLNE
SFAVEDRFSDIELSRNGSSIFSNHGNYSESSQRSCMHDDASSEDNKSRLRPTGVENDEDP
REKRAQEQFNSSPRSYTTSIASSKDNFGCSGIDDAASASGLSSESSVQPIILKNRASEYV
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GKIGSFFAPKTKEAAGKCKSKGKAALPVNPELLVPTAVSFSVGEEDNEGRVLLDFPW
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>comp7775_c0_seq2; 383 490 1818 LEN=1986; translated
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>comp7776_c0_seq1; 393 1 1560 LEN=1560; minus strand; translated
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KVIHPKTMQPAISSNPQIPIFIRNTFNAKFRGTRIFTSSVTDHQSDSCVCGFSSIDHMAL
INVEGSLIGVQGVAKRFLFGTLEHMGINVVLLISQASSEHSITFATPEEDAARAKETIEEE

FQKELEKNRISNIEVNTPCSIVAAVGDGMKQVTGVAGRFFSALGDAQINIFAI AQCSER
NISVVVATSQATRALRALHAAFRLSHTTVRVGIVGMNNPLGESLLRLLLEVQRKRWGSFE
IDLQVCTVAMDSHTDILELKNHDGNESINLGTVRDAMKPVSSSSSESRI SFERDTPGGD
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>comp7777_c0_seq1; 321 111 871 LEN=871; translated
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KSESSTTKLVMGDALGRFDMPPNVLKRLASPEDAFFVDAVVREAVRAIRRDGRLGDLQV
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GLGRTYDLIQEKEX
>comp7778_c0_seq1; 92 298 647 LEN=647; translated
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>comp7779_c0_seq1; 365 180 1907 LEN=2216; translated
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FPVIWDAYHDYAVKTLYIWRDKYLSRMPRRRDESIFLSIATYRDANCANTLKWAYEKAK
NPEKLFVGLVQQNCHKNCISGVLEGGETNSVGPDLDCYKSFCDGEGKERCDNGQVRV LNI
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PADTENLEELVGEPTPRMCTGFFAVSDVESQIIRIDGSELFDSKYNKIPRFAPFTAAGYF
VAHSDFLREVPFDPFLPWIFMGEEIIMSTRLWTAGYDIFSPSQAVVGHMYGRQHQP KFE
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>comp7779_c0_seq2; 391 180 2039 LEN=2348; translated
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FPVIWDAYHDYAVKTLYIWRDKYLSRMPRRRDESIFLSIATYRDANCANTLKWAYEKAK
NPEKLFVGLVQQNCHKNCISGVLEGGETNSVGPDLDCYKSFCDGEGKERCDNGQVRV LNI
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TVGRDFSPGTHHTLQMMVLERVKYQLGYPEAAKDMITSKNLLTAVEQYSMGTERPLSQYL
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FLLPRQPPPGFEEFN DLYK
>comp7779_c0_seq3; 365 208 1935 LEN=2244; translated
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FPVIWDAYHDYAVKTLYIWRDKYLSRMPRRRDESIFLSIATYRDANCANTLKWAYEKAK
NPEKLFVGLVQQNCHKNCISGVLEGGETNSVGPDLDCYKSFCDGEGKERCDNGQVRV LNI
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VAHSDFLREVPFDPFLPWIFMGEEIIMSTRLWTAGYDIFSPSQAVVGHMYGRQHQP KFE
TVGRDFSPGTHHTLQMMVLERVKYQLGYPEAAKDMITSKNLLTAVEQYSMGTERPLSQYL
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>comp7782_c1_seq1; 404 748 1692 LEN=1926; translated
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CASKNLGLSIVRAGQLKGGGPGEPASNDFGLSKQYYNTLFEELSEASCTMAHDRFTLGVDC
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>comp7785_c0_seq1; 380 240 1523 LEN=2399; translated
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TNNEPVTW
>comp7786_c1_seq1; 239 1 867 LEN=1072; translated
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>comp7788_c0_seq1; 380 195 1958 LEN=2167; translated
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IASLGC PFFGNNILAGSKNNGPEKIFYSEASAKLDHPSIWRFYFLGAPVTSVSGSKNVNTV
FKSKNFDTMSLDFSSKKTDTKVEKEELFSSKSVMFENDRKKHVFLRRLMGAAFTPSAIND
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YTSGLFGVELYLNFP GKHLPTFKARRYLVSKIIERVAYLEENGPDGSTLSAMVFASDED
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>comp7790_c0_seq2; 205 1 1420 LEN=1530; translated
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DVPVPEALGIVPGAIFLIFCLVGYATSHPSKLLDLNSALLSICFMLFLGFTDDVLDW
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GKFLDLGFFYLLYMGMLAVFCTNAINIYAGINGLEAGQSYVIGCAILLHNFIEIRSQSLT
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TRELAMQIYGCKELLGEKSTLTYGLIMGANRKTAEERLRKGVNIVIATPGRLLDHLQ
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VKFHAELLNYIDIPVLDIHGRQKQVKRTTTFFQFQKAKTATLLCTDVAARGLDIPVDWI
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KIANVQSQLQSLIEKNYYLNKSARDAYRSYLLAYASHSHREIYNVHELDDLQAVGLAFGFS
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VSPGGLPIRGVVIAPDPIIMYVAINCQDVKESKEFYEKLGVEQEVYSRPSKGTMTMFEP
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FCAISPDCPSTYGMWSARAFLGSERATFQCRFCKDPEDKYFDSYTAGACRKENDSSPSS
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DDELCSKTDGSCVSTVRANGVDTCHWFGESELMGMDASSAHCGPDPCTMLGCGSAVCDAA
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>comp7797_c0_seq1; 676 1 2536 LEN=2590; translated
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SIQEGASKSDEQGGQDPHNNRSSRNTDADNNVSSKGAITKNGNESGEPSPLEGLTGRER
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RVLEKHRIPITDCTDMAVLDTSHVSTSAMDPTGARFAIGSMDSLLKLYDFAGYNIIDPVP
FQHFIVEDGYPVRSMAYSDDGSSILIGTGSAPRVFSRDGSELVKFVRGDIYVRDP SKTI
GHTAPVTSVGHWPLEASTVFTSRDGLRCWNIDKGLSFGMLNCSVDVIGIKHLRTGRMT
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YSLDATKIAVRTKKEVTLWNAASKLSTSTQPMKYDNLPLHDDDTGADSSTPTMAFSPNG
KILCVATNTKVDGSGKDYRSRLELFLLPKESKPKRDKKYTSPVFSMPI SDGKDDAGFVMS
LSWHPKLNQLLVTTQKGFQVFFSTEWSKNGILLTSGRRKKRKSVEESLQDLYAARAPPPG
TAIRQEEIITPNLPLFSGDKQRAKSKQRAEEDHQDSVARHIPQQPSKGVFNTGVNMF
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AQKK
>comp7798_c0_seq2; 490 1 2044 LEN=2179; translated
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EPAGSPPPQAEASLYFHDESLSLILSDSEDTNDGIFDRSRPESEAPKRGRCTKDTERSPL
LSALQHDGFVSTPRAKTI SFRAVSKDPTPSKPAPSTSVLDTMGNGTLDLRESSNIFDS
EESPDPF SAARHSDLKARRGTPHPRRVFDRLGRESLDRKGNWWRARPVPAENTAARSI
SFLPDAKDFEFAAEENGSKSLHWGADVTTPLPHRRDTPVKGTPHPFGRRSDSSDADEHLGE
NDNYMQKSGLQRTVPETPLANPNTLKNLVLTSPESARKLLKEAITALKEAREERDAAREW
ASNTKESVLKWAENQRQLIRTESALSNSTPISSEFAQQQYQTFETLIDNLRSEIEASKS
STEAQLETRMLKQDVKIQELSRQLSDVKDKLYRSTEGKEIAGCNECKQSQKTTKYTNVDA
PGSIHKTPQNNTAGLTRTASRSERSSGSSRGSHRTRRATPNGGHLIDYGNVTKIHPDG
TTVTRFKNGDVETRFPPNSSTASSPSASAMMAYHCTEEVLKITLRDGSVLYEYATGQVE
RHCASGVKIIIRFPDGTKTIV
>comp7799_c0_seq1; 491 194 1915 LEN=2260; translated
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DWERDSQWERESDVLHPATFGSWGATNGAGCTMNGITEYHAPFRWSPGVNNGPAGCVTRD
FLDGF SFSGEAQVLAMIANYNQFSDTTGNARGNTQDNVPTGTTNGFRFEFENGHMLVH
GVIAGHMGSNWSPADPLFYLLHANNVDR IWTMWQDYHDHDTCSVDEYLSPW HFDSEWALDR
ALPFQHAERVS NWDFRMTY PDGSQAYPTVRDIMNNDGETLSVRYQNSYLNLSLMPDYVANP
RLFQVATDGV PVKCDRDEWEWARKKRKLEQERKPEDEHEHQDLRKNLSLVGASANSTSTLL
FSNHQHVFPN AFRSSIRGKDAQEIEDHPELYFRKPGDGRVKNDLEGNGINTRYRSSDVV
GVTSEECGKPPV FSLQEDRDEWDRLCRVLPKDTPIVERLALLAKSNCGRRGNPRSDAPEI
RERLTMTIMGAFDAPSSAYECFHRPGDPADEV P

>comp7799_c0_seq2; 419 1 1667 LEN=2012; translated
XAVASVRSAIRRVYSIRFGFGLGLGFCGIRPVNLLTVFFSRWSNHISFLPIHPFGSKKIL
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TFGSWGATNGAGCTMNGITEYHAPFRWSPGVNNGPAGCVTRDFLDGFSFSGEAQVLAMIA
NYNQFSDTTGNARGNTQDNVPTGTTNGFRFEFENGHMLVHGVIAGHMGSNWSPADPLF
YLHANNVDR IWTMWQDYHDHDTCSVDEYLSPW HFDSEWALDRALPFQHAERVS NWDFRMT
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WEWARKKRKLEQERKPEDEHEHQDLRKNLSLVGASANSTSTLLFSNHQHVFPN AFRSSIR
GKDAQEIEDHPELYFRKPGDGRVKNDLEGNGINTRYRSSDVVGV TSEECGKPPV FSLQED
RDEWDRLCRVLPKDTPIVERLALLAKSNCGRRGNPRSDAPEIRERLTMTIMGAFDAPSSA
YECFHRPGDPADEV P

>comp7800_c0_seq1; 351 378 1142 LEN=1187; translated
MVEKHAHGDAHSSSSDLLVPLGGSLEECDGSDVSSSKEFDHDSNPTVFGKILRGELIPSR
VFFESNRLLVFEDIKPRAPLHALVIPKQHIPSLVDL DITAF T TACNNRNGNSSNNNNHPA
PSAAVALLEEMNVAGQDLV R TTYKDAYERGDYILCFHIPPFTSVDHLHLHLV LAPASSMHW
IYRNGKYNVGKTSNSETGGFSVRWCIGIDEVLARVKTGLAPT PYRKGD SLSTACFDALAS
LGSILSSSFWGGQA

>comp7801_c0_seq1; 1099 508 2880 LEN=3051; translated
MRKVVFWKTKKGSLLAAA AFSLAVLFSSGDQISSYTPSGATPPAEINVLSSRGGGNGGS
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ATAVITPLCKMMGTSPILGLFASGMLLGPNGFGLINDLHTTEVLAELGIVFFLFEMGIEL
SIERLLSMKRDVFLGFSQFLCSALAIAGVGKVLGLPANALVVLGGGLALSSSAFVLQLL
KDKNQLASRF GKASFGVLLFQDLAVVPLL VVTP ILAGGSGLAAALGSAVLKAGIALGSI
AVAGRYV VNP LFKKVA AQSQEAFLGVILLTVLSMSFMTEGLGLSNTLGAFLAGVLLSET
KYRYQVEADIAPFRGILLGLFFVTVGFEIDLALIFSR LPAVSAIVLGIMI IKTAVLTLLS
VAFGLSLSVSQQTGLILSQQGEFAFVAFGLARSLGILDTP TTKLLLSVSLTMA LTPAMA
AVGDRVSKALEEKSDFTHYLGQDREATEIKESDDFAVVIGYGA VGKVVCDLMDRKLVKYV
GIEIDPKKAI EARNAGLPVFYGDIGRQEVADAFNVGKAKAVVVCISDRDQANRAVIALRR
FYPDVKIFSRARDKDHADRLQKTLNVAAMVPI LPEDNLLLTLPFGGAVL KALGGSPEEVN
AILETKRKEVMSGKSLVESEEDMALVQLGIEPEVRSEKKKKDKSKDSEEGEGEMMTDKSAA
ASRIEIEIKEKSPFVAEVI GDAFPEAEKDGAANPDIIDVVVDEVNKDIDVGILPDKNTTGL
EAEAVPTSDP

>comp7802_c0_seq1; 389 1 1423 LEN=1466; translated
XVESTTRRMMLPIQYYFNDEIFDNESAYEHIFKIPGLGSFGIINLSISFWIHSFVFLSLQ
SVANLCVA AFVYKFI L VVRPATSLQTTKTSFHRSYLI GYGLVCPTLLLAPLYIVTHCVHL
NNVTLMVCLCGAFP NLLLLRVVEAIHG FVPSAFLLVDD DATADTSIHENGKEVVRPGLQK
GSKNGLARFLLYAATLQVKIDERTNQVPVFTRQIMI SKLMGFFSTFLQTSIMYSL LQSF
DYALAPSR RPIQSFVDLYYWGNI LNAVAMAALTSLLLEGGASGLGLITSFC SGLTMEDFS
LSPMTQSSSPDFWGNRWDRPVASALRRGAYRPLLQAGYSRKFAAITTFLISGFIHEYIL
LLMAQRK RTPNDRQALHPEEDGSYQPEFGNHFLFFAWNGIVLCLERLFMSTEKGRAFSI
WMQSNVPKPIRTALVLLTVLP IAHLFTDEYVKGRFYDAAHAFPRIIYLGQPDS

>comp7804_c0_seq1; 622 65 1282 LEN=1463; translated
MGKHPERSQSI P P P P P P L P E D G N L D E M Y G D I A N N S Y S N N Y I A D D Q S V E A Q H V V Y T F N E D G
DKKSAKAATKKRWIYLMVTVFSLLTII LALGIVYGKQVQARKKATKESSFAEANA AEETV
TNI AVDTEESDIEIDEDIVLESTIVDNEDVYETASPPPEGDSESESEAI VLTNEETEVTNE
VIDEVVDEVVDEVLP AQATPGPTNWWQNQNTQAPTDPWWWNTPAPTDGATDGATGNAGDA
TTNPGAGAEATDAPNALADATSPPVAGAEGEATTPPDATANPFGANTPVPTS SWWGTFPP
RTSAPTGGATAGGTAAGTLRGTAAGTGPFAGTTNPDAVAGDND ETMSPSVLAGAVNAAGA
AVAVEEVI EDEFVELPEAELPEAGAEDAPATSDKDDTSSDKDDKA

>comp7805_c0_seq1; 520 375 1656 LEN=1656; minus strand; translated
MVTHQINGIRCHESAKPPTASDVDGASSSTTRSCSKALPRQRNNSMTLSSWVLVYELNKD
GCCALLQGDYDEANRLFELALQKHKDMMMKWSTKTHEEELPYDSSQSFHYSNRSCNDNCM

DEEEADLGSNFADCTISSPQHVLRLAPDPVQPLPAISMSSCPMVRTFSYSGQNNSNYDA
TYHTVYALPILMSKYEWQAASNTDRSFAIIFNTAVCNHLYGMQQRKQOETEOKANGNSH
HPRHISWTQSFQIAKLLYRLALETKVSSTAFVGI ECYPAIFNNISHLCKALEGYHSEEAH
RYDVLKLLSVYWMMDLLGSDKIRNSNARRESIDSTTPRTTNSSTATPGNNDNPAYETLI
DNFLGDVLRVVDDEPMEGEAEQNKQQQQTNAIEPPLSYHAIVRDARDYDEMMDAFLENV
FYLVSSPX

>comp7807_c0_seq1; 337 1 475 LEN=575; translated
XASASASASAEAPSAMDGLSEEEALLQQALAMSMNENEPPAAAASAPASEGAGGGGEED
DDDEAAAAMQLALQMSLAQAGQDETPGGSGSGSTDQARFQDPGFVNQLLGLSLPGVNPNDPA
IQSALQNMAKDGENENENDKDESETKKKGGDDGAKKE

>comp7807_c0_seq2; 432 105 1045 LEN=1045; translated
MPLESCMIIVDNSEFMRNGDYVPTRELAQQDAANLLVGAKTQSHPESTVGVSAAGTELLVS
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LFVGSPLDGLSRALAKAGRQLKKNVNSIDVVAMGELEANEAKLRDLVDAANGRNAGDGA
ERTCHLVITPPGVLPSDVLASSPVVHGGTGGSAFAAAAAAAGVTSPSGHGGGGGSADA
FAEFGGVDPNMDPELAMALRVSMEERARQERLAAQQAREQQEGARPEADADAPAPGGDA
EMPDAGAAGSSGAS

>comp7808_c0_seq1; 421 297 1289 LEN=1679; translated
MGGDSSVSAPTDKTGLPDSVKLLIGAGGIYAAFLYYSGLQEDVFRYVSPDGNFSFKQAWFL
QVMEALANVIVGFLGMQLTGPTKGIPLRMFGISGAAQVSAKACTSLALANGLSFPVATLA
KSGKMAPVMAGSLLLGGATYSIREYLQVAIIIGGTAVSMGKKKGGDNSLMGVFYIVL
SLVLDGVTAGFQKRLKTETAKVGVKPKPYDFMFWTNLFMCLTAVVIAGLCGEIATGGAF
LANPEIMSKIARFALCSAVGQSFIFYTIANFDPLILSTVTTTRKIFSVLLSIFLKGHSLS
LTGWSGIGLSVSGILSELQAKTASKKSKSK

>comp7808_c0_seq2; 419 1 1279 LEN=1669; translated
AKIASFQHQLHRETEKKKNASQIIDNRSARSNQINQSNLVEARSARSAASLLYTSSASI
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AGGIYAAFLYYSGLQEDVFRYVSPDGNFSFKQAWFLQVMEALANVIVGFLGMQLTGPTKGI
PLRMFGISGAAQVSAKACTSLALANGLSFPVATLAKSGKMAPVMAGSLLLGGATYSIREY
LQVAIIIGGTAVSMGKKKGGDNSLMGVFYIVLSLVLDGVTAGFQKRLKTETAKVGVK
PKPYDFMFWTNLFMCLTAVVIAGLCGEIATGGAFLLANPEIMSKIARFALCSAVGQSFIF
YTIANFDPLILSTVTTTRKIFSVLLSIFLKGHSLSLTGWSGIGLSVSGILSELQAKTASK
KSKSK

>comp7808_c0_seq3; 513 237 1487 LEN=1877; translated
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TILPSTVEAQGSPVSVETPSNTVTAIMGGDSSVSAPTDKTGLPDSVKLLIGAGGIYAAFL
YYGSLQEDVFRYVSPDGNFSFKQAWFLQVMEALANVIVGFLGMQLTGPTKGIPLRMFGISG
AAQVSAKACTSLALANGLSFPVATLAKSGKMAPVMAGSLLLGGATYSIREYLQVAIIIGG
TAIVSMGKKKGGDNSLMGVFYIVLSLVLDGVTAGFQKRLKTETAKVGVKPKPYDFMFW
TNLFMCLTAVVIAGLCGEIATGGAFLLANPEIMSKIARFALCSAVGQSFIFYTIANFDPL
ILSTVTTTRKIFSVLLSIFLKGHSLSLTGWSGIGLSVSGILSELQAKTASKKSKSK

>comp7809_c0_seq4; 247 239 1111 LEN=1393; translated
MTSKSNILYVNLIVRNSEAVKSHVTNKLERSKVI PNVVVAQAHTASEFASPKHVTQKM
SDQICKQIPEELKKKGI ESQMEEVFRENTFAVLQLRLTYVDP IILASASESVWTGAGLSC
FLDCIGSSNRKYFEEDYLPKTVARLLTTVIPRTLGENLSDKKIDAETKVNKASEQSIYFY
STLNKIRASQLDGKRGNRNP INKLRKRMSSQSSLSGGSHRRAGSLTSLGNI SFKRINSQS
SMGNGSQRSLASMYSMDAVDDDKTIDTSGSRSSRSGSRSSKSGSRSSSMW

>comp7810_c0_seq1; 294 119 1702 LEN=1819; translated
MPGVTKRLNRTMGFTSGKIGIVLAAFLFGCIVTTTIIILNFVTLTNAPFQTAEGGPIISSL
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DVVVHATIAYPVTLIDMLNSRLLPACQGIFSIITIVLKSKNLRLHLVDVHRELFDYDIDY
DLFIYTEDDIRVPPRVVGGAYLSETKQVQDIVGLERSSNYNVGIVRYEYVNFPGNVAVDDKT
RHATQNVTRVYWEHGQYPVFDKAVYKAKDKDLGDSYXNDGEHTPGNVYGHKLSPKSLEGT
RELLISHCEQSAEQERRKKPAGNRNTKSLDEFQAPVRPQIRLQCNAGSPHPAVRNPDRSA
PAEQKLPAGRSFPKQVRTSSCSFVAVFRVFLFSFVSSCVVSCSAGVGLDYRASIPLTFV
AAGLVLLALYYCSAAAPQDFSDGTETDFGSESLSEMKLHIEMRKHTTQVPTLPYAGIR
MLDEVKGGRRVRTPLLERRMGEYQAYVDRGGILSEKDMTKTALVEER

>comp7810_c0_seq2; 154 65 472 LEN=589; translated
MSSKHLVDRRYGCNVMQVLPTRQFGTTLTVLHLPKNYRRVGHFRNRTFSDGTETDFDFGSE
SLSEMKLHIEMRKHTTQVPTLPYAGIRMLDEVKGGRRVRTPLLERRMGEYQAYVDRGGI

LSEKDMTKTALVEER

>comp7810_c0_seq3; 256 119 1513 LEN=1630; translated
MPGVTKRLNRTMGFTSGKIGIVLAAFLFGCIVTTTTIILNFVTLTNAPFQTAEGGPIISSL
EVPKALPDASPTDATVATKNPLVGQRILIAIAAFDFSQIPHLEEVLDAYQDLCVTGASKV
DVVVHATIAYPVTLIDMLNSRLLPACQGFISITIVLKSKNLRLHLVDVHRELFYDKIDY
DLFIYTEDDIRVPPRVVGGAYLSETKQVQDIVGLERSNNYVNGIVRYEYVFPGNVAVDDKT
RHATQNVTRVYWEHGQYPVFDKAVYKAKDKDLGDSYVTMENIHQGMFMATSFLKAWKVR
ENC SFHIASNRPSKKGERNQPAIGTQRVWMSKHLDRRYGCNVMQVLPTRFGLTLVLH
LPNKNYRRVGHFRNRTFSDGTETFDGSESLSEMKLHIEMRKHTTQVPTLPYAGIRMLD
EVKGGRRVRTPLLERRMGEYQAYVDRGGILSEKDMTKTALVEER

>comp7810_c0_seq4; 171 449 661 LEN=778; translated
MKLHIEMRKHTTQVPTLPYAGIRMLDEVKGGRRVRTPLLERRMGEYQAYVDRGGILSEK
MTKTALVEER

>comp7811_c0_seq1; 413 1 1597 LEN=1597; minus strand; translated
XGKGVTVFEDPRETGNIIEIVELEPQEPSAKENNGDGGDDDDDDYTVSIVVGGNEINMVS LG
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GFEVTRTNGKRFDFGIGRGVVVKGQQAIPINNIASDTTEKKGDGGLSLHLARPQMEGF
GQLIGLVLAPREDTAETKAATNVTSKKNVVDTTLRGDVSTFDFSIIEGAVIDINGDI IAL
AGVNICYAADGDLVANADILRYAIEIPKENNVHGTSMIFNIVASVRPSVAVTIGSVSSL
CFPGAFELRNVENIQARLLGETWTFQTNLSLDSLLTPEFEVEGDDLEGLSTASNLMPV F
PVSCNIRIRLVKDQDEETEVIITDCELMNPKPIECSTELAGFVKSMESKLVNVSINI
YMDIPTATQEVDIRNFALSNDMAISGGYSTHDWIKTFSVSKRPRSKKSKANDNKQK
QYLNIPYASVAPLKIRITYNAMSVM SIKETAFLVRAYKGNENTTVKSLIDFYT

>comp7812_c0_seq1; 229 1 1149 LEN=1242; translated
HRGTSSYCSISKSKTKFQQQSGINHNDRDTHRRRMSASAAVMPNTNHLSGDGTGSPSTVA
AALPLTTNMTASSLTSGGNSCLDEQIERLKRCEYLREGEVKALCLRAREILVDES NVQRV
DAPVTICGDIHQGFYDLVELFKVGGCEPKNYLFLGDFVDRGYYSVETFLLLLALKVRYP
DRITLIRGNHESRQITQVYGFYDECLRKYGSVNVWRYCTEIFDYLSLSAIIEDKIFTVHG
GLSPSINTLDQIRVIDRKQEVPHDGAMCDLMWSDPEEIDGWGLSPRGAGYLFGGDIVSMF
NERNDLDLIARAHQLVMEGHRSMFNDALVTVWSAPNYCYRCGNVAAILLELDENLDRSFKI
FDAAPQEARGVPIKNPPPDYFL

>comp7813_c0_seq2; 563 1 1521 LEN=1950; translated
REQRNLSSHLISSVFHTRTNKASNALRISLTPKTKQEPQHFDFDGLKIEDTTSKIDARIP
STSLPKMTEGSGSNDSDAPSGCLLDFLPRELLAGSILARFLDGRALANFWCATMSKREM
LVRSSPRKLRSKRNSPLSMVEEILQVARYRRAKLTEDGAGGNDEDENENQTD SHRFRLR
SRVFMFAFEAAETKATGNDADRCGSGEKLGVSERDTEHFFNLAEFLRLSRRTFASLSA
MDYCEVAQNLIWTVVVTIRGVDHRKTTIWAFLVVDVWVRWSMKEIRLWRNASTSRASACS
TSAAQTGPPAIEARVVPFNFLPVGPNRGRVLGVTEADRIALGRISADLSEGLVARFSCV
TTNTGAALTGNAITDTNSDHRNANS GGQFTVKLMAFDQAQEKLDTVFRRGREPGGIPLSD
EKKGMSLDLDRHRKKALGGAKQQRYPQVDTNNSCIDYGSDELNLNHDHSLCCWSHEFLW
EESRNFAVETSHALRYLANDYAALEW

>comp7814_c0_seq1; 200 234 929 LEN=1429; translated
MTPQGVGSGFQRRVIANSRRIE SIVRGDSIENGNGGREGESNNDVEYSNNYKRGYPMEYGP
IYYAAATILLDCSKRKGFTAPKAMRLVGFSDQEDCKSR SIRKRVGRVDRMEKRRVAARTA
RQKRLKLYEKMRPVLASLSNEEGQGDAGGDDSDTNHETKKNNGGENTAAPVPELARE
KVRVYCERMQLGQAGNAEAE GILKEWEERLADSERRRSPRLLSQPRATTK

>comp7815_c0_seq1; 404 118 1070 LEN=1211; translated
MMKNCAFIFAALVSSVLAAPAI VWHKSEIDNANGRVLHSSDLSASDLMKNVLSEAPEAP
LSAVVFLVAKGEDGSEQLSELASSGKLPETFSKYNDASGVYHSVSGLESPGAMVRETGRY
TGDKNRVLEVSLSEFNKVESL GATVEVEIDSNGTPKASTNKSINKRARALAHADVYVN
VSAKADASEIDTSINSAIENXNVGSVVLAVRSIEEVKHERFLLSKRRMLKMEEDGNKYM
EARGRRRLEQEADGDANEDGGDDL SGVYVHMTPNIFSGLLFTLMFIVVTFTGISCMGDI
QGGDVFDKYHSIGREA

>comp7816_c0_seq1; 981 452 3901 LEN=4048; translated
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MAYYVLNVAEENLAAKQYVSFTSGALQSVRDLAENKLVHGTQIMAKHVGWTPNAGEDWP
FVWVPSYWDIMEDVLPTSVWSGVNLAPIVQPEQVAAFE EFAYGKFDENFGENTTMGGTSH
FGRGIWVQDPLRVNTSDHRYHDTTGVP LYEYSPYNYLAPKIQDGLVHTPYTMMNVHGFEL
QGLSLDAVMNC SIARKENATRDG LLGADDAPRVTSQPQGCDDSEGVACAPNPQKQFRCSAL

SGMLPPKNIKEEHGIAGFIATPIYPANDPYELVGFIFGIVYWVEVMIDIFPMHTVGDICV
FEDPDYQYTYTIRNNTSTLICEGDCHDETYNSYRMSTKIVDSNLLSEGSVVYTMTCYPND
EFFQAYHTNPNITASIGAILIIMLTSVLFFLYDYFVRQEFSAKKDLFEAKRKFVRFVSHE
VRTPMNSVCMGLNVLQEEAAIALGYETPDGIRKTKTTDGIQNPQLGRQOIEHWFDLANE
ISVNAQASVEVLDDFLNYDKIASGELSLEYTIVPAWNLI EDTVAEFKLPMTKKNITLHFM
LPTANDFQKTVAENRKKERNNSIMSQSSERWSLRSGLDGS DRTRPLDNRGHSTKNLDD
LEAGCGGTTDDWYSQVQNMKLIGDSIRITQVIRNLVSNAIKFSREGGDIRISTKFQAVEKV
KKPKTFELKSEETLTCSQTGDLVFTITDTGAGLTQSQLKNLKFAGVQFDVNNLQAGKGS
LGLYISKGII EQHGKLSANSKGLSGTTFVALPIFNVPEKVWYTTQQLMRKNSRRSTRF
SIDSSLKTAKTAACSVTVLGGDDEGRNLNIEEKENTDGHSEDEVLSEDESLSELKILLVD
DSKSNRKLDRLLTMRGHKCEHAEDGHIGVEMTLRAEGFAQPYDIVLMDYEMPTLNGPAA
VKEIRDYGCDFVIVGVTGNMAEDVKYFKDCGANLVLPKPFVKVKEFQALIQENLEHDSRG
RIVEKIPGGLEFITLGLSQRCDGNMSSSTLGNWNESSSHFDTSLKSISSVLDREESGKVS
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>comp7817_c0_seq1; 801 1 3276 LEN=4052; translated
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TTSSASSSSAASSAAPP CPPKGGAPPHKRSSDLFPTV PKSKSNAKPKPQLDSQPEEGAED
RANSNSNAGARTVGT KASVPP LNAVDTKTNTKMNTKTNPHSNTARSNPANPNLPPQT
PSAGAVPPTPAVGRRLEFP SGTEPTAADSAAAFAPATETVPGPPVAAPPLRRARSKSPFV
RGSSESLSSKGLSHTPKEPSGSATTSATTSASVSAVQRNRAKSAPRRRPPGPPPGPPRS
SAGSSAGSKGA AVPGTKKTRSSRRPAPIAPSSLLKVGKETNNQPGPANEKENQKADQKAN
QSGNAGSSKTRSNSVDETTLNTTEKTHSSPARD SNSNRNGSNTEKTNTKGPSDMHISGL
VETESKSKIESSFAPPPQLVTEAETPKQATASRIGTDANANANANTDMHTGAGAGTGTNG
SHTNNGIKTPSSSGSTARRQKLQLMREQAAAASDILSKPSETTSRPDVPNHRDAHVNNNN
KKNKAVFGIDVTA VSNAPPATEDFARAVGLVPDPNATSAPPIGNRAAKDKRQESTTRTDE
KQNQEQEQKQKQPAPSLLDGTRTG PLASSPSTSTSLRSAAQSRLEDAYRKAKEKETAALL
KIKQLEDQLSQKAKEGIQRASSSTNNSDSHSHSHSNMNMQHLLSIAETQGPDAALQWAK
SISTSSSTGHKGPNSRSLRPAAQMGFHTGMGSSTPRNNGKGRVPSLGLMNAESPMRRAR
IASRTLTPHRGLYFASDTTNSNDPYANETPEQTERRLIRSFREAAKYVPFEFSSELATY
TVRRPYGLPTNPGLFVIAKILEEALLVREQYCGTLTSTALGLENRPPPIPEVKTL PSEKKE
AEKGTTKREGSSTGPQGQRQQHQIHPPTQELDDSTGASSDVLVFFGMLASLLFRFVWGA
VVGVPFRILRTLVLVLA VAILQALHGYLADDDYTAWALREMNADTAATGTSFSSMLASDL
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>comp7817_c0_seq2; 993 1 3557 LEN=4333; translated
NRFP TKRLALSPRAVPRSQRSSAGEPPREASASAPDRGARRGTGSXGKGSAAASGASGGPP
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TTSSASSSSAASSAAPP CPPKGGAPPHKRSSDLFPTV PKSKSNAKPKPQLDSQPEEGAED
RANSNSNAGARTVGT KASVPP LNAVDTKTNTKMNTKTNPHSNTARSNPANPNLPPQT
PSAGAVPPTPAVGRRLEFP SGTEPTAADSAAAFAPATETVPGPPVAAPPLRRARSKSPFV
RGSSESLSSKGLSHTPKEPSGSATTSATTSASVSAVQRNRAKSAPRRRPPGPPPGPPRS
SAGSSAGSKGA AVPGTKKTRSSRRPAPIAPSSLLKVGKETNNQPGPANEKENQKADQKAN
QSGNAGSSKTRSNSVDETTLNTTEKTHSSPARD SNSNRNGSNTEKTNTKGPSDMHISGL
VETESKSKIESSFAPPPQLVTEAETPKQATASRIGTDANANANANTDMHTGAGAGTGTNG
SHTNNGIKTPSSSGSTARRQKLQLMREQAAAASDILSKPSETTSRPDVPNHRDAHVNNNN
KKNKAVFGIDVTA VSNAPPATEDFARAVGLVPDPNATSAPPIGNRAAKDKRQESTTRTDE
KQNQEQEQKQKQPAPSLLDGTRTG PLASSPSTSTSLRSAAQSRLEDAYRKAKEKETAALL
KIKQLEDQLSQKAKEGIQRASSSTNNSDSHSHSHSNMNMQHLLSIAETQGPDAALQWAK
SISTSSSTGHKGPNSRSLRPAAQMGFHTGMGSSTPRNNGKGRVPSLGLMNAESPMRRAR
IASRTLTPHRGLYFASDTTNSNDPYANETPEQTERRLIRSFREAAKYVPFEFSSELATY
TVRRPYGLPTNPGLFDHCPSPGDDHPSVYAKRAHVSDKTTLEVAVVVKADQKPCLVFAAA
GIRYPTTSATSSSSTDTTGNWKHFDNVDALDRPLGHVITYIDARANEKEYSMDEILEEALL
VREQYCGTLTSTALGLENRPPPIPEVKTL PSEKKEAEKGTTKREGSSTGPQGQRQQHQIHP
PTQELDDSTGASSDVLVFFGMLASLLFRFVWGA VVGVPFRILRTLVLVLA VAILQALH
GYLADDDYTAWALREMNADTAATGTSFSSMLASDLVYYSNRRPGIL

>comp7818_c0_seq1; 368 59 1003 LEN=1247; translated
MIFGMVPLSLFASGLLVAARITSSHAWNFCTAQAGKKNCS SPSPCRLEYTAEDTSATQSI
AYDNSRCSISLSLRRKLF SVIPHQAF AASSLCLVALGSPTSPAFARNMPVSN GANTANV
GTVPALVPLVALRYNLVSLRELMEENQRKRDDGGILNII TKTKAALSFRKLGIDSGTVPV
TIPTREEEFKRLFDAYSQVSYKQKFLDQNAFLVYYTNGYDGPGRDSLEKDPVNERQTLQ

FGARNEAWIFWDDFLSECDFYESSIRKTGASSSDDADESFDVMMKYLSNTIQALDSYLKL
SPPEDLKAAEKEVS

>comp7820_c0_seq1; 189 1 1055 LEN=1310; translated
XTRKRSKVNRMKLCYLQLLVSFFLCERYWAFVEVSTYRSNKKDPTALRTLNALTERQQQF
WEDVEDGLDGIESFYKEKGENIDRIRRRFGMRARGEIPLESYGFDFHQPSEEHIIEGLTAKP
FWETSDFPWAKSLEQNSHIIQKEFESKVTGDTNLFSGDSSLQNSVMGGGWSAIRLQRLGA
WNLENCKEFPKTYELLKELDIPLAVRGVCFARQAPGSGVKPHSDGRNFILTSHLGLKIPE
GCWIENAKERTSWKENRLTTLDTSFVHSTGNPTHEVDYVLIIDFWHPELTERAGLEFL
YDLRNKFESGLIPIRKPRGKIFKKETPVGAGIGEWWDNIIGGIQNQKGITT

>comp7820_c0_seq2; 164 325 1211 LEN=1466; translated
MXRGWPTSXDYRIGKKGTRNSNDSHETLYHLCNLRARGEIPLESYGFDFHQPSEEHIIEGL
TAKPFWETSDFPWAKSLEQNSHIIQKEFESKVTGDTNLFSGDSSLQNSVMGGGWSAIRLQ
RLGAWNLENCKEFPKTYELLKELDIPLAVRGVCFARQAPGSGVKPHSDGRNFILTSHLGL
KIPEGCWIENAKERTSWKENRLTTLDTSFVHSTGNPTHEVDYVLIIDFWHPELTERAG
LEFLYDLRNKFESGLIPIRKPRGKIFKKETPVGAGIGEWWDNIIGGIQNQKGITT

>comp7823_c0_seq1; 420 1 933 LEN=1002; translated
QFRELQLSQFSFHNSTQSSRSKMKFSFLPFAALAGLSTTDAFQRSTFIGAGRGQLMADNL
CARASETALCMKTIIVFGASGLTGSEAVFQALNEGDKVIGLTRNPSNLKVPAGSGGDSAG
NPLTNEENLTMIAAGDVTKKSDVDKVFEGDVGVIIVALGGKTSEVGETMLTDGTNNIIAAMK
EKGVKRVAVVTSIGAGDSENQAPFFFVKVLMWTAMKKIFLDKNNQEAATMNSGLECYIVRP
GGLTVDAPTGVINVIDGEAGSIPRADVAQFCLDAVRVEDFPYIGQAPCISSVGGTSSWTKD
RSKAARGEME

>comp7824_c0_seq1; 524 107 1756 LEN=2164; translated
MKTAAAPDDIAVPLVSSAGEDTILSATSIDDDSSSQMASNRMSLRSSQFSRRTSLAALI
EDCPICLDAMGSVDVEHILQCEHRCGFNMCKNCIDSLITSSKDDFQMASDGNMHVKVYLH
CPNCRSDLSSHIRHTLLLRKVDELELLTCPESEWTNSQVRLKRALHTTEVLKAIKHARIV
EAEYYGRDLNDSFNDSDDSETDSQIEQYVEQWGVVVDLTNGTHNSFVTPRPPAVVFPPEEA
IRIDPTLFLAGLDSFLSEDEQKEVTKLMTGGKPSLLVEAANILYDTLQKLYNPEPSATGKN
LLNRKNSRRKSLARKSSVFQLIAEAEVAEGKRDKARKTAEEMQALQNPRFAQQRQLERD
LRIRANFQKRFPPIVVRMPKAVKLDLSLFPDMELVDYNWGGTVMDDAYSKISIGFGSKVTQR
RPNNINVTIIGSERSVVKSAAVGCAIGLCMSRDDDYGDAANDIYIAPGQARVVVSNITG
HIGKLGAVRGDVLTHIDGESITGKKVAEVLDIINAKKCGSTLLTLNAEFSVADALRRRA
MAISEIEM

>comp7824_c0_seq2; 483 107 1851 LEN=2259; translated
MKTAAAPDDIAVPLVSSAGEDTILSATSIDDDSSSQMASNRMSLRSSQFSRRTSLAALI
EDCPICLDAMGSVDVEHILQCEHRCGFNMCKNCIDSLITSSKDDFQMASDGNMHVKVYLH
CPNCRSDLSSHIRHTLLLRKVDELELLTCPESEWTNSQVRLKRALHTTEVLKAIKHARIV
EAEYYGRDLNDSFNDSDDSETDSQIEQYVEQWGVVVDLTNGTHNSFVTPRPPAVVFPPEEA
IRIDPTLFLAGLDSFLSEDEQKEVTKLMTGGKPSLLVEAANILYDTLQKLYNPEPSATGKN
LLNRKNSRRKSLARKSSVFQLIAEAEVAEGKRDKARKTAEEMQALQNPRFAQQRQLERD
LRIRANFQKRFPPIVVRMPKAVKLDLSLFPDMELVDYNWGGXVFSENEQSCVLSLIEVARL
NLFVTIELFSIGTVMDDAYSKISIGFGSKVTQRRPNNINVTIIGSERSVVKSAAVGCAIG
LCMSRDDDYGDAANDIYIAPGQARVVVSNITGHIGKLGAVRGDVLTHIDGESITGKKVAE
VLDIINAKKCGSTLLTLNAEFSVADALRRRAMAISEIEM

>comp7825_c0_seq2; 285 406 939 LEN=1337; translated
MTEGDFEYPEFYSPFPFFFTIQPVEATRQKQLALWRELILKYHTQNKLKTLVVHECPWKN
DSIGRKLDETAVRTVCSLDLVDSGHGEWLDEEETACRILWRKPELATDVYEWASQTGNVG
GGICTLYELHSGEDVNGASFEGIDEELLRRALAILEDEGKCTVFQGETSSEDGIKFH

>comp7826_c0_seq1; 311 112 1362 LEN=1778; translated
MVLRFMHNRRVGVPLKVFLISSSLAVFTVLRVPGKFDNIIIQQTSLSFSDSLDSFKY
DRDASSAWEKVPTHROKGTLPDFSNGGVVVFYHVYKTGGSTVGKLLHEIAKKDQDNFKEE
VEQDKDERKPKLNIYQRALKSPAKMFFTMIRKHVDWERDCLKTLDLASQNKLLLELHV
EDPAPDFPSLVELSSTIDRWRAEADRRGVGFFSFTLVREPVVAHALSFFNFFHVGNNGR
PPSRNDHDAWNPFKPLSSTESNFLKSYANNRQCRMLSSDPQSTRAAPQVLVWRKDLING
EDLAESRQPCAIDEVHNSLFSMDDWVGTTEKLSNETLPLLTQIVLNDPRVGRDNKPKV
DNNPNHNVGMKAHDLNETMAAILERTELDRVLYADVGRHFKLSNLGWDYHSPLYG

>comp7827_c0_seq1; 944 551 3019 LEN=3121; translated
MVVALALPSFVSKRIPFATGLLTTTRISIPSTATKARIGRTSTEALQLAVDSRELRFSSG
SRNSSNNVLGDYVANQEWVATATSGRTSQQNVLALAEGLDAVSGIESQYNSNKNFD
PTNSDSSSNANGENLDNKAAPVTGIEDKLSPFYFQSKKNPPKRGYGPYINLSPEERELFR

LLRRAKDDGKLSSTTLRVAGGWVRDKLLATPEFSRSGSDFKRPTRRTPQRLTSKYRAPSSL
SVSTSSLT'TTVPASGRQGSKVIIGGKAKKNGGKNDPTLLRFQQQAPVDIDIALDDMLGRE
FAEHLNKYLTEMGEKTHGVGVVVLKNPEKSKHLETATMKVGTFWIDFVNLRAEYTEDSRI
PDLMRIGSPAEDAFRRDLTINSLFYVNVNGQVEDWTGRGFNDLRRCVIATPLAPLTTLLD
DPLRRTLRSVRFARLHFTMDESLEKAAMDDRVRKALAEKVSRRERIGCEVDLMLRSPDPVG
AMRLLINLKLAKTVFPIEKHVGDARDGENGDLLERGLRLLSVTYDQLEESKLYTPVWCDK
SYRGSYTHGAEDVALIENVEALRYMWAYASFLKPFYDHSVPGAPDTKKKTRKLNRSVVS
KLLVDDLKRPTREAEAVEKIMKGANGFKALMDSGCDYSAMSIILLSDIRVHGETVINDGND
ETKLRCSMNGQKVFTATENDPVWQHAMEFRLSCKVIRKVGPLWRAALFLAMSEHITEAL
NGDPEFVIEGDFVDESQEDLRQREIERDYDTFATAMQRIGLVGIWQKPLLDGGDVKKVLP
NVPHGPVFRDIMEEQEKWSTLHPCASADILARHLAQTFPDYV
>comp7828_c0_seq1; 253 263 898 LEN=1334; translated
MMNTSLMNSARRSIGKCLKPEETLFLLCIDIQDRFRPITWRGETIIRTANYMTSVAKALDIP
VVVTQQYTKVFGNTVEDTFADKEHFLSCKVFEKKRFSMCTEEVKRHLSDLNKKSIIVLFGI
EAHVCVQQTCLDLLEEGTDVHLIADGISSQQPYDREIALQRMSQAGAFVTTAQSTAFMLM
QSAEHKNFKAVSKLTVEHMKLPNEFNEAFTA
>comp7828_c0_seq2; 253 351 986 LEN=1422; translated
MMNTSLMNSARRSIGKCLKPEETLFLLCIDIQDRFRPITWRGETIIRTANYMTSVAKALDIP
VVVTQQYTKVFGNTVEDTFADKEHFLSCKVFEKKRFSMCTEEVKRHLSDLNKKSIIVLFGI
EAHVCVQQTCLDLLEEGTDVHLIADGISSQQPYDREIALQRMSQAGAFVTTAQSTAFMLM
QSAEHKNFKAVSKLTVEHMKLPNEFNEAFTA
>comp7828_c0_seq3; 253 153 788 LEN=1224; translated
MMNTSLMNSARRSIGKCLKPEETLFLLCIDIQDRFRPITWRGETIIRTANYMTSVAKALDIP
VVVTQQYTKVFGNTVEDTFADKEHFLSCKVFEKKRFSMCTEEVKRHLSDLNKKSIIVLFGI
EAHVCVQQTCLDLLEEGTDVHLIADGISSQQPYDREIALQRMSQAGAFVTTAQSTAFMLM
QSAEHKNFKAVSKLTVEHMKLPNEFNEAFTA
>comp7831_c0_seq1; 233 1 793 LEN=793; translated
KKKKKKKKKKGDVSOQKLEQTNESDGDDESDTMFRDSTSCVTDTTTTTTTENNAAQMAK
GISPKPKDEETEEEEEFARSRAGRISIVNRDRDDNSSNDEEEVQSLHASRSFSPQRFATK
KASSRRSNSADFISDMAAASKKGPCKHRVSAVKKKELSGNDSTYPISEKKRAPPASASAD
KLKEMHSNTPSMRYSKVRSSSADRLEVMHSSSKRIATNRNRNSISPRAPQSRRSFDRDTS
ASMTRPNEEEGDVDGDEEEDDED
>comp7832_c0_seq1; 307 365 1114 LEN=1289; translated
MRRSSDRPHRKERSEFPPTLVYPSPKSSPLSRNGRRNSLHDTVKSGGSESGCTSPSELSVE
TNVSSSRARSSLPNATTSEDVGVHFDVSGMHPSEHRGNE SDPLPDCLALSASEDSTES
YQRRGIETPLQSTLESPLHDDDDHSFVSIPLDSFPLPVVQNALHKKMGGHKAVKLQWSM
PPPQKQQLVTLADVIAQVLRVIFSVVAMKNSLLGNGTKEKDNLHAGFEERSSTIGKPAD
GTQCRTSIH
>comp7833_c0_seq1; 466 290 1533 LEN=1787; translated
MAIDNYVDDDEYALMGEQHSWSSNILGNLCCLOAFNFDGGGEVLEGSADFVIVVEGEDGK
FHQNSDFLVSFKGANEADGNNTHNIVMEVNHAGTKAWFPIIRQHSPNDNNEPDTDEDK
ESNTFDEERFWGCCHPSAGNIQPGMLSFKFKDGAVESNDDPSSTLKAFLKPGRNP IRYLLL
DDQQVVGIAHAHIYLWKHDDSVVISDIDGTITKSNARGVLGTIITQRYDKVCHAGICQIL
SKLSLSSQVVYLTSRPIGLANQTRKFLSTLQGNETLPIGPLLGFGGKLPQLLIMEIVTK
STQKFKAXKLWNVVQPFKATNNDPKSPSFVAGFGNNFMDMQSYHAIGLDDLDRIFKINK
KSQIVTFDKENITSQNSNGDFSFPFHQWYKDRIGTKFDGYTDSELVDRICPELT
>comp7834_c0_seq1; 1015 166 2547 LEN=2681; translated
MASSEGGTSLWKHIGLHGHSVGTFACTDAGIQWKS SLYGREDTGGLSASTRNVPKDSIEK
AGWSVFGKSGHLRLNMEPKEGSSNTQHEMRFDFPVSAYETMKDIFQASYGIELLKLNMS
SAGTQYGRSKISGKLVFRHCVLEDADEEGEEFEVVDGDEMMSLDLTEVSQCVPNGNRRN
EVELQFPESDAVEANNDQLVSVRFFIPDPDEVPDSDKTIKSSAELLQQRIMQMANIRKTT
GDVIVEFDLEKGSFLTTPRGRYSIELYERFFRMRGQKYDYKIKYDDISRLFLLPKPDDVHM
AFVIALDKPIRQGGQRYQYLVLQTNKDPDEVRVNLDEDTLKKEYGDDLQPIMRGSLSNLV
AKTFKIIAKKKVFI PGKFSNANQQPCVKALRANEGLLYPLEKQFVFIHKPPVLIREFNEV
ESVEFQRYAGGQSTRNFDLCVSLKPNAPSAGNQEQYVFSGVDRSDYAGLYNFLSTKKIR
IKNLQEIGGVQEAVPVYNEDEIYGGPDHEMEESEDEDEYDEAAAAEDAANDSDSDMDSE
DDDDFGSEIDDDLDSDLEEARGGSGSKSRKSNDDDLIEDDLPKKKKGKKVETKPVSK
KLKDPNPKPKQVTTAFMIFSNTRERFRTENPDNLNFGDLAKLIGKKYKELSKHEELAELEK
KVEKDKLRYEREMKNYTPSEEELEDSEPKGKRKVTKKKKDPNAPKRATSAFFFFYSTKMRPI
IKEEEPDIKFTDMGKRIGEKWRELSSEDKKEFEAMAELDKERYKKEMAKYEAKKQEEEDG

MDEDQDDSDDDSD

>comp7836_c0_seq1; 265 104 1120 LEN=1319; translated
MRALLSVLAFLSVSVSLAEAWVSPGLSAGNKKPSTRLKDVVDGNMQWYSGTSSSPGRAYSS
RTSPTVTQDAINRKLNLAAERFMKFQSGYFSPMPNPNVNNVNMNNYNNNYDYNRNMNYGRY
GNDYGGYYDNNNNFIPIYNDPSSILADDFVFRGPVIGPLNKWDYMDVLAYFKVYEAFPDIN
PNCYGFSDVVDVNPVKVRFVVKATGTYQRPLGGFMGKVGITILNKPDGREYVVGSTEAWSITF
NDLDRMQVKHISAGYVVDRFEDRGTLCCTTDGKGLIMGVLNTIGIDFLPSQPESTSLKMMQ
WAAGRFSKNGVDPDALFPKVFSSSKELPPWWRDKRKGAK

>comp7837_c0_seq1; 434 244 1752 LEN=1799; translated
MMTGILLLLWSSRLAFHAVHAFVSHATRQHLASTKSRFHQIPKPV AHLFSAVDNTPAL
ASAAGGERSAVDEALVKEQRARRKREKAAAAARRRKKFIGLAKAVDRGQFKTTYRPGGS
DGATFVARSGLPEGHDSRPFVTLGIESSCDDTGAAVLRSDGVILGESLASQAHIHHEEWGG
VVPGLAKSAHEENIDRVIDDALSKAQTTMEDIDAIGVTVGPGLLCLRVGSQKACQLATE
YNKPFVGVHLEAHILMARIENQEELRFPFLALLVSGGHCQLLKLCLGIGRYSVIGGTLDD
SLGECYDKTARLLGLPIGGGGGPALEALAKDGNATAIPLTIPLQKRQDCDFSYAGLKTNI
RRAAEQLAKERGADSVPELSHQDKADLAASFQNIKIHLEQRLERAMKAMEDEKIDTLAV
VGGVAANQELRRRLQSKCDDREWMTMVPPRLCTDQGAMASWAAIERLRLGSSDDPSTQD
IYARYPFSSSYSSAPEGDSEGK

>comp7838_c0_seq1; 250 211 1272 LEN=1272; translated
MTEAPAVHNDAAEGGDAVIPNGGGAVHAASHEEADAPTADPPEPVSGESDDVRI GTISSA
RFNILSTMVGGGCLSLPMAFQQSGNLLVGPLMLLLLTGVVTEFCFKTLVATAVHKGRPHPT
RPGRDTFESITSEAFGTRAYVFSMGLVVL MCFFGTVGYAVLLRDMMEPLNHAIAPRLGLS
GGWLGRNLTMF AIVLLVTPFCTLRRLTALKDCGLASMLSLLILGSCVVF RSVQCNCGTSG
GDPWYANLALFPESWRDLDALPLFISCFVCHYNILPVHNELEDPSPARVGGWWRSTTWF
AVALYVMGMFAGSAYAPCTPTGTISGSSSGRRRGTHFSASHGKAWNRKAWCRKA

>comp7838_c0_seq2; 172 1 831 LEN=1202; translated
XTHTLTLPRFLVLF CNAPRTPDATDILLDFDENDPLLMVGRMCLAVTITLAF PMLVIPGR
DIVVRSLILPRLRSIPQAVGGTVDEELREPLEDDPPEPGETSESTAASDGGLSHDLSS
ASAAVLLCTSV AIFWSAATLASVSSIDVVDLLGSSLSILLSYLI PAGTYLVVTVTRPGA
EGGGGRLSRALCWL LWFVPLMVASTANAVANXVLLSTGKEKAVGGQPHRGEARQGEPT
RRDHTVCVDAGAVASAVPALVAHARRDTGGILRGAIK

>comp7838_c0_seq3; 474 211 1949 LEN=2320; translated
MTEAPAVHNDAAEGGDAVIPNGGGAVHAASHEEADAPTADPPEPVSGESDDVRI GTISSA
RFNILSTMVGGGCLSLPMAFQQSGNLLVGPLMLLLLTGVVTEFCFKTLVATAVHKGRPHPT
RPGRDTFESITSEAFGTRAYVFSMGLVVL MCFFGTVGYAVLLRDMMEPLNHAIAPRLGLS
GGWLGRNLTMF AIVLLVTPFCTLRRLTALKDCGLASMLSLLILGSCVVF RSVQCNCGTSG
GDPWYANLALFPESWRDLDALPLFISCFVCHYNILPVHNELEDPSPARVGGWWRSTTWF
AVALYVMGMFAGSAYAPCTPTGTISGNILLDFDENDPLLMVGRMCLAVTITLAF PMLVIP
GRDIVVRSLILPRLRSIPQAVGGTVDEELREPLEDDPPEPGETSESTAASDGGLSHDL
SSASAAVLLCTSV AIFWSAATLASVSSIDVVDLLGSSLSILLSYLI PAGTYLVVTVTRP
GAEGGGGRLSRALCWL LWFVPLMVASTANAVANXVLLSTGKEKAVGGQPHRGEARQGE
PTRRDHTVCVDAGAVASAVPALVAHARRDTGGILRGAIK

>comp7840_c0_seq1; 327 148 1185 LEN=1402; translated
MAFVHLECGRNQLQRQHVMHSTAMP T NIVGPRVP INEGFPGLKKIYANPDIFVIENFLD
DSYQCQLIDKASEKKLVRSVPVAYAGWTEDFKDLVELSSKGP IAWIALLSSWFQVKNSSGG
QVDLVVHALQNYAVV FVVTI LIGGFTYSRAEGLKALRTSTSTTLDDMSNPSSGAREFVR
QASKLFHSNEDFDTSIVSEALFEAPT V IRYEPDQILAPHYDANRSAETEDANRGGQTLA
TLLVYLNDVERGGLTRFGKLS SAAIGDVRDRITSADEDKLI IQPKRGDALLFFPADRN
GQFDPRTEHEGMPAIDEKWIAR IWKHQRRVPAPFGLSEASLSDLG

>comp7841_c0_seq1; 568 887 2365 LEN=3807; minus strand; translated
MRNSNDNNKHNGNSHSTSTLEDRHFLSDPRPVRDLKLP TWEVDI HREGVDMPIMTLRVDS
TVLPPRKNKKKVLWKL PDNIDTAPKFGEQDKRRVLELFLREKKKELKKLKNKQRAYRRAS
SMESMNSSGAGSIDLSTHAGGGKDDLNSNAEGLPPEANGKDKQHENQKQCQPTGTNEKN
NGNNSNPDAIVASDGLNPSSSKTIEERGRRGALSPPGFGNPPRPTSPLKLAPPGLPSK
NNEHLAENCKAANGHSSSLSPATS NSTSSQPPLPSQNGHHPQQHLHHGAQHSLTPPPPP
PPGLQNIHDLNQGIRAPKAIPPQQPPMAIGPCFVLPNAPPGMSIGKFVTETYYSLRN
GLVRELDAYYYQNGGERSGADVAKVCKAVTVGGAHAFCTNQQDRMLQLNTFSGTEMRIK
VQEQLTVGNGVLV LITGVSIRFSAPNGSSPQQLPFCHTLILAPVSTRPTADSSTIGYQI
LNDNLVILTAE

>comp7841_c0_seq2; 184 887 1364 LEN=1364; minus strand; translated

MRNSNDNNKHNGNSHSTSTLEDRHFLSDPRPVRDLKLPPTWEVDIHREGVDMPIMTLRVDS
TVLPPRKNKKKVLWKLDPNIDTAPKFGEQDKRRVLELRFREKKKELKLLKNKQRAYRRAS
SMESMNSSGAGSIDLSTHAGGGKDDLNSNAEGTTTTTXX
>comp7842_c0_seq2; 146 260 622 LEN=764; translated
MFAKAFCSRIGAAQLFRMNNGLVQTRSLSSSEGIAAVDKLKGALQYRVENYAQCIPTRFK
KDI IHAAKETETEQVALEGLQKVIANIGASNKVS RKDIELIFSENGVSGRMSTEQMLKLL
>comp7843_c0_seq1; 706 259 2409 LEN=2687; translated
MADGRENGQGRTPYRSLPPDIWAECLHYLLPEELSKASQLLPHTNVAVEGDSA EKAAWMA
VRSMAGIARTHWHENLAIASNGVGATLDEQHGESIDEKAI AVQSVVQQDKGPIGNVLRVGR
STSIGGGDNPNDKRNDRNSASTTTKQQQLVRFQDETWQGLYGLLYGILSEVVATETAG
EPSDRVPESEQSDLNVDESDARDEDANAPLVGVVEEQGADEV DATDNKAYDPEYIALAIGL
LFDAPSMPLMLTLQRREKLEKLA VATERSSNARTKSVPSDTRSCLLSLRLGNAGLWDV
AADILSLSSSLDDGEYSETNERTDEQRVLAIDRAIYSSKFLIDRLYSQTYVRPGMDVPEL
RSAIECARKAVKSAGPRYQIFLTMQMRSTTFVEDKGW WIEENDETNQQRKRPPIRSLF
ANDALRYIHAKLALTRALTLTGQHLGLRACTIGDLEVFPLEFTEEDLLLAASGEPSSFTK
ASLLFFKESMDQCLGLDVLVFNQWL VMEETEEALVAIAKKG VARTAMP SVYRSTRHRTI
PLLGA KMAAVGELNYCMSSVFSRIGSERGNELGLISIAHLSEAFRVVMNEALQSGGSGGR
GPCRVLEDETTLEVLVYCAKDLGKACGFLQRF DADLSELD SLVAGDPSLVLDFA YVFSIYL
HGSSSHPTVENIGRLCEGYRAESGRSPSGASLRDSYHRVAKWIV EEFVSSPPTPN
>comp7844_c0_seq1; 352 232 1812 LEN=1847; translated
MDPTDLEI IKS LPGNDKCFDCGEPSTQWASVSYGTLFCIDCSGKRRALGVH VDFVRS LTL
DSWKPEHVAVMKAGGNDRCFRAFRAVKIPMAVTDGGGRNSLENNVEDFRERYHHPGAKDY
KRELLHEATKTCGEGGNNEGIDARELDSSELERIDTLARMDPEIPWHL PVPFVYKLLLLL
SIRVIFGIPFLLLALFFCLLRFILCPDNTLVQGLGWMGLVLP AIGAVLFG RKLCLDFTRG
RIPPFKSAQNLLADKMKEGRAIRTPGYDVFLPPRTNTKDDGDDAGDNPNNNKR VGLMLYP
GWLINHTAYAPIASKLSDCGILVVVVSMEPF RASVNSTKMETQRALHIMYELLTEITPDW
PVSEWALGGHSAGAH LAIKVAGATSPGTSKLVLWGCGARPIDYRSCSLADNTSIEVLALK
GSEDASINMLSFSQKMEFRN ILPQTTVYRTIEGGNHNGFGHYEKPKNKKRDGVRKITLDE
QQDTAVNETV RFLVEGGKAAVADICPKNTVPVTSSAPSTEPSKKNK
>comp7844_c0_seq2; 244 676 2046 LEN=2081; translated
MKAGGNDRCFRAFRAVKIPMAVTDGGGRNSLENNVEDFRERYHHPGAKDYKRELLHEATK
TCGEGGNNEGIDARELDSSELERIDTLARMDPEIPWHL PVPFVYKLLLLLSIRVIFGIPF
LLLALFFCLLRFILCPDNTLVQGLGWMGLVLP AIGAVLFG RKLCLDFTRGRIPPFKSAQN
LLADKMKEGRAIRTPGYDVFLPPRTNTKDDGDDAGDNPNNNKR VGLMLYPGWLINHTAYA
PIASKLSDCGILVVVVSMEPF RASVNSTKMETQRALHIMYELLTEITPDWPVSEWALGGH
SAGAH LAIKVAGATSPGTSKLVLWGCGARPIDYRSCSLADNTSIEVLALKGSEDASINML
SFSQKMEFRN ILPQTTVYRTIEGGNHNGFGHYEKPKNKKRDGVRKITLDEQQDTAVNETV
RFLVEGGKAAVADICPKNTVPVTSSAPSTEPSKKNK
>comp7845_c0_seq1; 393 60 512 LEN=994; translated
MPDTKELTEEEVADLKEAFAMFDINGDGTIELTEIRQVMRKL GQNPT EELKEMISTVDE
NDDHEIDFEFLVLMKSR C IVDDEPEKEMRDAFAVFD TDGNGSIDR KELKRLMKKLGQALT
EAEVDAMMEQVDANGDGEISYEEFKSMMES
>comp7846_c0_seq1; 601 171 1172 LEN=1358; translated
MSEGTAVDATPTTLDADDNDGFRIYLGDERKNLLCRFYENKYPEIESVVMVNVNRNIADMG
AYVSLLEYDNIEGMILLSELSRRRIRSIHKLIRVNRNEVVMVLRVDKEKGYIDL SKRRVS
PEDVQACEERFNKAKTVHGVLRHLAERRKYFLEDLYEKIGWPLYK KYGHAYDAFKLAISE
EKDAGDPFAELDVPQDLKDELKSYILRRLAPQPIKIRSDIEVSCFTYEGIDAIREALFAG
MTLGTEQNP I KIKLIAPPIYVLS TTTLEKEVIGL LNQAIEVIKEKITAKGGKIDVKMAP
KAVSVKEESELQEMMDRLALENEEVDGDAPEDA
>comp7847_c0_seq1; 268 96 869 LEN=958; translated
MSCCGEKEKEDDNFDDGLTRCCGGTGGQRCMCLPYDDPWPISAQILAVVAVLFSWIWVVT
LIISGVAMIVLQIIWCCRQNKFGFLASIIV TALA AFMNLFTSIWIFIVWRRAEWCYPFEW
YVDYRDDDYFNAIYFGEEDDRFEYDVVESNYWDDCPEVIWGSVA AVSTAIWIASFACLLH
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>comp7850_c0_seq1; 602 60 2276 LEN=2367; translated
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KPENIREGSSYINCQFLDPHDRV LGVDISGNL D LIRLADLRSQTNDRGATDRARSKASHE
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KRKPRMMKDSLIPYTIALLSSPGSGIFEHANIVVAEPSATIHTRLTSKEGSLAFSEATFA
SESGVCGGAGNHETEIPDAGSDFVVRNLSASRDSYNGVSNNGSTRCGSLMVTCSRFSQNSS
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>comp7852_c0_seq1; 102 1 238 LEN=2257; minus strand; translated
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>comp7853_c0_seq1; 224 207 833 LEN=1751; translated
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>comp7853_c1_seq3; 234 219 701 LEN=787; translated
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>comp7853_c1_seq4; 173 219 359 LEN=922; translated
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>comp7854_c0_seq1; 124 141 341 LEN=630; translated
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>comp7855_c0_seq1; 306 224 1162 LEN=1162; minus strand; translated
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>comp7856_c0_seq2; 262 642 1307 LEN=1487; translated
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>comp7856_c0_seq3; 300 392 1873 LEN=2053; translated
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VSI GFALT VLLGMARWINLLSNLPYWFILLPSWLSHLGLFWCHISSAKALSSFIAEANES
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LP
IWVMV FVGIIDGII CRTQHVLRLISWILIFVAMSLCLKLDYQHDNIQWRMIVCP IVMV
L
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>comp7857_c0_seq1; 374 194 1258 LEN=1402; translated
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FVVGINPFFAFV VNGIRYAMY NWMVHWGASVEDENEARNIKTNNWCMYNNDEEASF
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>comp7858_c0_seq1; 557 1 1749 LEN=1932; translated
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PPGTPLQT
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PENYLSNSPLEFVHLGGNSFSGPVKPNIGDASYLQQLDLSSNAITGFLPENYSRYTALEA
LSFAHNELKGTIPEDIYGMANLKFHLHNGNELDGTISTSVGDLSSLKELRVGQSNLSGNI
PDELYFLT NLVELDISGAQFDGRLSLGLLNLGNLEKLI VNNNNLVGTVPN SFGR IKTLTD
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>comp7858_c0_seq2; 465 1 1874 LEN=2057; translated
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T D I E I V E E Y V E E I I E D S E S Y E D V S V Q E A D G D K S Q N K A D R D Q D V F L A L D E A E R A E E S K M P K
Q T Q G K N E S S G K Q T C I I L L L L F V T C G A I V A I L L P F F I E Y P Q L L Q S T T N G A P Q P P G T P L Q T
V V P T V S P T M T P T T L R W G Q F M K T F L I P I S G E E V F Q N E A S P Q Y R A A K F V L D D P Y T D E L T T S E
Q L E E R Y A S A V F Y F S T N G G D W D S C S L N D N E C K S G R W L V G D V C G W Y A V T C N G Y G M V T S F D F G
T V Y F S I Y D L N R S G G F S H F F Q I S R I T L T F Y C I V Y V I I L S F P L A D A D G N G L V G S L P A E M Y L F
S E L T D L I I V N N T I T G T L P E A F G M N A T S M R S L L L P D N E L K G S I P E N Y L S N S P L E F V H L G G N
S F S G P V P K N I G D A S Y L Q Q L D L S S N A I T G F L P E N Y S R Y T A L E A L S F A H N E L K G T I P E D I Y G
M A N L K F L H L N G N E L D G T I S T S V G D L S S L K E L R V G Q S N L S G N I P D E L Y F L T N L V E L D I S G A
Q F D G R L S L G L L N L G N L E K L I V N N N N L V G T V P N S F G R I K T L T D V S L Q G N N L S G S V P E S V C W
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>comp7858_c0_seq3; 655 270 2122 LEN=2305; translated
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Y V E E I I E D S E S Y E D V S V Q E A D G D K S Q N K A D R D Q D V F L A L D E A E R A E E S K M P K Q T Q G K N E S
S S G K Q T C I I L L L L F V T C G A I V A I L L P F F I E Y P Q L L Q S T T N G A P Q P P G T P L Q T V V P T V S P T
M T P T T L R W G Q F M K T F L I P I S G E E V F Q N E A S P Q Y R A A K F V L D D P Y T D E L T T S E Q L E E R Y A S
A V F Y F S T N G G D W D S C S L N D N E C K S G R W L V G D V C G W Y A V T C N G Y G M V T S F D F G T V Y F S I Y D
L N R S G G F S H F F Q I S R I T L T F Y C I V Y V I I L S F P L A D A D G N G L V G S L P A E M Y L F S E L T D L I I
V N N T I T G T L P E A F G M N A T S M R S L L L P D N E L K G S I P E N Y L S N S P L E F V H L G G N S F S G P V P K
N I G D A S Y L Q Q L D L S S N A I T G F L P E N Y S R Y T A L E A L S F A H N E L K G T I P E D I Y G M A N L K F L H
L N G N E L D G T I S T S V G D L S S L K E L R V G Q S N L S G N I P D E L Y F L T N L V E L D I S G A Q F D G R L S L
G L L N L G N L E K L I V N N N N L V G T V P N S F G R I K T L T D V S L Q G N N L S G S V P E S V C W L R E E N L E V
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>comp7858_c0_seq4; 747 270 1997 LEN=2180; translated
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Y V E E I I E D S E S Y E D V S V Q E A D G D K S Q N K A D R D Q D V F L A L D E A E R A E E S K M P K Q T Q G K N E S
S S G K Q T C I I L L L L F V T C G A I V A I L L P F F I E Y P Q L L Q S T T N G A P Q P P G T P L Q T V V P T V S P T
M T P T T L R W G Q F M K T F L I P I S G E E V F Q N E A S P Q Y R A A K F V L D D P Y T D E L T T S E Q L E E R Y A S
A V F Y F S T N G G D W D S C S L N D N E C K S G R W L V G D V C G W Y A V T C N G Y G M V T S F D F A D A D G N G L V
G S L P A E M Y L F S E L T D L I I V N N T I T G T L P E A F G M N A T S M R S L L L P D N E L K G S I P E N Y L S N S
P L E F V H L G G N S F S G P V P K N I G D A S Y L Q Q L D L S S N A I T G F L P E N Y S R Y T A L E A L S F A H N E L
K G T I P E D I Y G M A N L K F L H L N G N E L D G T I S T S V G D L S S L K E L R V G Q S N L S G N I P D E L Y F L T
N L V E L D I S G A Q F D G R L S L G L L N L G N L E K L I V N N N N L V G T V P N S F G R I K T L T D V S L Q G N N L
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>comp7859_c0_seq1; 572 186 1308 LEN=1308; translated
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R A T V S E P L A L P S T A N L K P P P K L R F T I D P R I E K D Y V S K R K R A Y D G I D L S T G A S L S D S S V S T
A T N P W E G V A R V E R D L V S C C E P L G R D Y F L R Q R D N H D S D E E E D S D D D G A K D E N D A G P H P H T A
E Q H S H L H E L S A F A V G G D P E D L G G V L A R E K E I A F A A I L S R S C H T M T S K S L A L A I L E R T L G A
Y L A E E A S T G N Q N Q N S Q K D N N A N D E T R D S E N R K D T A A A G A N T D T N S P A G A G K E D A T E Q S E Q
S T R Y Q N R R K R R R L L D G S K E E S G G G N D I V S G N A T T T A S G D G E N N G K N G D G G D A S L S R Q V A D
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>comp7860_c0_seq1; 340 171 1316 LEN=1354; translated
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H A V A E L L S P Q E E W I K Q G E S H G R Y D F T I Y Y K V E D G A R L T C R I E S P V P C S L L V P L L S V L N E
S D L Y S T W I P S W Q T P I K L G V H E S N Q L L H D S R G H Q V I Q V V A S V P W P M K P R E A L F S V Q A V D D I
D T N G F I V A T M T T I D D S E E G E T V K K T L P N D F D V P G P S L G T V R C D F N G S L L F R S C P L D H P N Y
D A T R R K F P Q D D L I L L Q F I M H I D A K M T M V P Q T M I N F V T R T A L G I I W S M L L R V A E E V R D G G R
E E H R R V I S E K A D F Y R W V E E R C D Y M L H T I N T S S D A D R N N D A T R G K A Q R R Q D H Q E E N H S V K
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>comp7861_c0_seq1; 342 127 771 LEN=824; translated
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L R F K S R S A R N E F L N G M R C V M A D M Q I H E G V S I S G L Q T S T E A D G Y S D E E V M V P L G A V H K V M

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>comp7861_c0_seq2; 1754 347 5044 LEN=5097; translated
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GESGAGKTETTKIVMSYLTTLGAMGSHEEEKKGDEL SVMERVLQTNPVLEAFGNARTLRN
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SISGLQTSTEADGYDSDEEVMVPLGAVHKVMNREREAYDRILLLLQLGHEDIKEREDELL
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>comp7861_c0_seq3; 1301 347 3949 LEN=4243; translated
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SNELKQEEITKLENRIAELEAQLSEQKALVVKLEVDMQKQREQA AHDLANAAHRRQRS
AGPHSPKHSAATVDPGATPQMPLPPSDYVSPDVLAKHKKKLSKLEKNLRAEKKLRQ EAD
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>comp7862_c0_seq1; 1360 470 3628 LEN=3812; translated
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>comp7863_c0_seq1; 436 80 1441 LEN=1748; translated
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CPVFFDRDGFCSAANMWSFAALQNLAAASYCDTETGYCDWQRNDETRALTLPKGVKMKSTV
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>comp7864_c0_seq1; 179 56 808 LEN=1077; translated
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LDNGKPIMTQISEGDGLEGTSCVQDVEAPKEAVWSQILDLDAYKGVKPKVSKCENYVAK
LNEDGTSTMKTEMAVKVIPGYGYSFYDHTYDPSKGSMTWRLDYDKTSDFDVAGHWHVE
DHPTKPNCSRVPFYACDIKLGKSVPGPVMNFVSKSALKAAATGWVKKSEKNPTAEVGLAFV
DKGKMTAEVE

>comp7864_c0_seq2; 157 56 1004 LEN=1273; translated
MKVATHSISTIFVLFAVSAAVICCSAKKNRNAPHIHKGLLKPYEAGPFRAIELTDGHEKI
LDNGKPIMTQISEGDGLEGTSCVQDVEAPKEAVWSQILDLDAYKGVKPKVSKCENYVAK
LNEDGTSTMKTEMAVKVIPGYGVSILSVIHTKANIDFPALIGSLIEPAILRSRLIAMTYH
LGNFLTPTRHLSLCLIPNDTAIVVYLKYTSFYDHTYDPSKGSMTWRLDYDKTSDFDVAG
HWHVEDHPTKPNCSRVPFYACDIKLGKSVPGPVMNFVSKSALKAAATGWVKKSEKNPTAEV
GLAFVVDKGKMTAEVE

>comp7866_c0_seq1; 467 359 1327 LEN=1343; minus strand; translated
MRYFNANVIKFLFLVQSAQGFAPTKSASQSPQTSLYSAPPMEDSVLPGAADITFKPDTVV
PKDVTSMQIWATISCNDSGLTLDGLKKGDKVEIQSLSGIGSFTAKPLSRVEGIIGLIQG
VVVKVNAAKALFDKDTQKKREVQFNKDSKIKKNSPANGNKQRDGYGMKIGKQKFARDEG
GIIMCMPKAKGPIYASSKKKYRLGKSVDPDKGRQORYCPAHI VNANSWFPVRQDAGHIMSK
VCEEDGVLNCLAFDDKFGDNGGAYTVKLVITRPRMTGNSHEECRQLLNDVDSDEMLIEK
AESLFANGELDDDDDDDEEEEE

>comp7867_c0_seq1; 281 908 1471 LEN=1566; translated
MVRYSVEPEVPEKVSARGSHLRHRYKHCRIAHFTKGMKANKALKHLDDVLQYKAIIPF
VKYTGIGRKGMAKQVNPAGDKGRWPVKATAVYRDLNANAMANAESKGLDVDSCVLDHAQ
VNRAPAGRRRTYRAHGRIGKYASQPAHIEIMLKEVAEGVEKADDAAPVKITKKMAAKRR
FVKVGA

>comp7869_c0_seq1; 440 261 1448 LEN=1609; translated
MQKRNNNIQHDEAPEDGPEYRSVAIQALSSPIMPRPLAPLRKRSSSPMKTSIHACHDTAE
ELDGPDPPLSFRWRVQELPELSPDYTLRLTNVYVKDSSAQVANRICDVLRASSISYDLI
ISEQGNYLEVETRQGTLSIRLFGDNDMVVEVRRMLMGCTFDFRDASRTILRASKGVQQG
ERSFPFRFSIPPTIPKRSRESHKCIINDDFQSAYTMLQSEKCDIQILAIESMEKMMKSC
GAQDVVAKLILWNCDCQLVLSLLESCDGEDQSGLETGHSSILRRKILGVVASSFEAISE
SDLTEVLSMEGNDLIARPFLLSLLSCVQEAISKPHDAFEAVRCLRYLLTSKDVEAAMMEM
SAMDLISSARSAGINCHQGLELESNKLMAQLQNVY

>comp7870_c0_seq1; 614 89 1336 LEN=1722; translated
MSQDGGDRSSHSQNLNQDTEALSKPPSNKLLCIAFTSFQSFALQLAAAIWAGSEAML
TDSIAMMIDSLAYLFNMVAERQKEVYATKLQQQYTSNSTGLTSFRQSKMVLEYRKYTYQ
LELVPPPLVSITLLVLTLILVLKESIETLILDFEGDSSRPEPNVTLMALFSFINLILDAV
NVGCFASANHALGYNTHRGNDDDIVNVTQTEKNRTRVMSGPTADGIPNKGNYCDNVDVIN
IDNVDKIEAETKKCEAHSLSQENPLLEPCSCPTLLATESTSYGSNDSSEDRFIGGVS
DDSIYGRFLDDKDDSDATNLNMC SAYTHVFADTLRSLCVIAASLSAKFSDNVTPEIADAS
AAVVVSIFIFLSIFPLLSGMIQTFKSLREVNQSLEMKEQEEGEEDQVELLGFHA

>comp7873_c1_seq1; 506 1 1169 LEN=1212; translated
XTTTTTTAAAATDRGSELQEGIVSWVRSKGGSFSEKIEIRRVDPSDPSSYWGCVFVRENES
IEKGEDLFRVPRECYLDVFGAEPMGYENMDAAEEAYHRNLCKLSKKLGREMEAGEASDY
APYLAYLASQRPGQLPANWSPQKDLLRKIATPGSHMVDWIDRNFVDKGCIAQGGDGSSS
NSNERSETTTIGFERHMVEMTVQRCFDTALIPIDWDMVNHNDGRINTENDTMHAPGGLAVR
AAKGLAGGEELFATYDGCVDGCFVDEYWGTP EILKDFGFVENYPHRWVFDQDIWF E IWE
AEEGKVVYGGEEESDDEVLPYGQE QMDFL ENERMRL EAARKTLLQTQGA VPDHEWEV VLR
YHAAASEDLRTVLLSQKNKYERWGLEREL

>comp7877_c0_seq2; 420 451 1566 LEN=1767; translated
MAAAVASGEKTFRPGFDMNVHPSNIHAVLVSTSR YWFNYRHAINALGMYELFRKNGIPD
ENIILMIADEFPINARNPFKNRMHGEGIEVTGWYNNRTEIDYRGS DVTVQNF L DSILGFA
PKSLQSLNEESNLLIYFTGHGGNQFFKFQDEEELTAQDIANLMDRLQDEKKFKKALLIAD
TCQAFTIFDKLTTPNVLALGTSLIDENAYAHRTDKDLGLGAIERWTHHF IKNYRSSETDL
ETTLHQVMVAPFDKRSILMARVGITNQSKFKSIKVSEFFGIKGVIDDGVVDDAGTFVEIA
PEALLKLPQNVDRDFTLAQSSPVAKGVTANVCFTTEEKDDPLQLTGGGVCLFFCVVLLTLVL
VQKLEKHLMEI

>comp7877_c0_seq3; 198 451 1005 LEN=1078; translated
MAAAVASGEKTFRPGFDMNVHPSNIHAVLVSTSR YWFNYRHAINALGMYELFRKNGIPD
ENIILMIADEFPINARNPFKNRMHGEGIEVTGWYNNRTEIDYRGS DVTVQNF L DSILGFA
PKSLQSLNEESNLLIYFTGHGGNQFFKFQDEEELTAQDIANLMDRLQDEKKFKKALLIGK
LDRK

>comp7877_c0_seq4; 287 1 779 LEN=980; translated
XFSNSKMRYVAFEHRKRKQDSVVFVFFSVSNLLTKILSMQEELTAQDIANLMDRLQDEKKF
KKALLIADTCQAFTIFDKLTTPNVLALGTSLIDENAYAHRTDKDLGLGAIERWTHHF IKN
YRSSETDLETTLHQVMVAPFDKRSILMARVGITNQSKFKSIKVSEFFGIKGVIDDGVVDD
AGTFVEI APEALLKLPQNVDRDFTLAQSSPVAKGVTANVCFTTEEKDDPLQLTGGGVCLFFC
VVLLTLVLVQKLEKHLMEI

>comp7878_c0_seq1; 240 1 1001 LEN=1512; translated
XKMKRIISGRRRQKRIICLVSILVLAIVSHVGVIFAPT FALMPLTGASCQSRTTKKFCK
SQDEENDGDCGAPENESDPRSESNFIDGSGTELMNDSNNGNGSLRSGVVS NVHQPPNPF
LEDPIEFVQAILGTFFQQTNRNND SAALCLLRSSTPSWRLLLLKSVGAPPDATIDQVAPT
LQNALERSNNQFAILTKKIQEEIEFEGDDEDPSLR IASIQKCNWFPTDPVIFEGDDNED
DIEGNRIVVDKCIWIESRLRSPKEDELLAVVGWLSLQRRRPRLQERQPDQHIDDVHVDSNE
LINCWLLDGVWDQDFREDFRPGIGREEWERICG

>comp7879_c0_seq1; 317 559 1794 LEN=1923; translated
MWEKNRKAILDAAAIHKRTFAFCRSLLLFKKTSAPRLKRRLSYSPAGNIEEQASMLDMDH
VYMTFFDFFWCWMFIRPCTILLAMTGTITFFVRDFIDKIMRRGSKERLDLAKVVASLVLE
SGLAIHYSCTTDEYEAAFFYEDFPFVDQNGDPHCADLFAVYIDLKTKTMTKASIDGQSLS
PSQAMTLCVWILVGLHVKLHSHYANWAVNTNSLVKDKHSFYHRNSITTVFYNYMGFAGFC
SLVPPFAKFGFVHKNWDXHANGGALMYCFRKGIESGVCQHPHINELVPHSRVAFVVRAR
GIFFSEFEKHKDLLPGADCEALFIGTVLHSLDHSNLTEIVDP IWL DREDPRYGV MASLAA
IVRSGFTSDLPWISFHKKFKGSGHPFYEA VYQKCSKIDKAHADNMDSCIIK

>comp7879_c0_seq2; 317 579 1814 LEN=1943; translated
MWEKNRKAILDAAAIHKRTFAFCRSLLLFKKTSAPRLKRRLSYSPAGNIEEQASMLDMDH
VYMTFFDFFWCWMFIRPCTILLAMTGTITFFVRDFIDKIMRRGSKERLDLAKVVASLVLE
SGLAIHYSCTTDEYEAAFFYEDFPFVDQNGDPHCADLFAVYIDLKTKTMTKASIDGQSLS
PSQAMTLCVWILVGLHVKLHSHYANWAVNTNSLVKDKHSFYHRNSITTVFYNYMGFAGFC
SLVPPFAKFGFVHKNWDXHANGGALMYCFRKGIESGVCQHPHINELVPHSRVAFVVRAR
GIFFSEFEKHKDLLPGADCEALFIGTVLHSLDHSNLTEIVDP IWL DREDPRYGV MASLAA
IVRSGFTSDLPWISFHKKFKGSGHPFYEA VYQKCSKIDKAHADNMDSCIIK

>comp7883_c0_seq1; 396 315 1549 LEN=1738; translated
MALTTSRALVESRIQTPLEQMHGTE SRVCIGKRSRRHRS LCLTLNSANNEGDAETLDN
DRATSCERKTPAII PGWTVGRAIDECIRRL EAKNVTEPDYSALYLVA AALKLPW ERGIRD
LQVGGGRSVSNANLRSKPLTSEQASDLEGLMKRREAHEPIQYVLGKWDFLDYTIARRPL
LCPRPETEELVAEISGEIAKERSKTNQPLRILDVCGGTGVIGISLADLLPDAVVEAIDV
EPVAVAVSAENA EHVLGSSAADRYQAKLCPAADFQPNQSF DVVVS NPPYIPRADMETLTD
DVWKYESDRALCGGDDGLDVVRTIIEKLP EXVQPSGCVLDGGRSHPPDDRGT SVARGRR
IGEGAGEKGLFRILIQGHVWEIPVRKAEGGVGRMDGRMEPIGCCISTALLV

>comp7884_c0_seq1; 208 1 751 LEN=1202; translated
XSDGLECLVCVPPFFLRRTTNPMHRTWISFALLFLLRFYSSQLLSLPRSRYTWTGTDIKHG

FNGVYLGDLERLQDIQNKRDKTNRNWQRIILYNIKALEIATSTEAGASGSAKGSTAEN
TGEAEDDGKNVEAEVPPNNEPFPKPNLNRKFVLETRQLWFKLHEKMQSPEYGNMLLLVLRMR
DELEHRMYQRKQRYLTFACYEELVNKLHLDAEGHVVEPFVALSDRQDREERQRLHIESIA
QDLEAECLIK

>comp7884_c0_seq2; 267 236 2276 LEN=2727; translated
MIRLFPNAATAAVATRASKRSSARMSNLFRLLQGGAGNPAGTTSTNANANTNAYTRTAVR
HFQIGNKGDNNSSSSKSGSKKTGGPVVIGRSSRSKRLRGKGPMMRSRKNKDKSNNNQDSM
ISHIISGGTPLDPAPPPFELANFGEDSVHTLVLLRHGESEWNKLNQYTGWCDVNLTDGE
LEARAAGRLLFENGIEIDQAFTSVLKRAFSCNMALNHAXPALGPGHEIIVAIERASLWSV
SSHXVVVVVVVIEFCGFVSGERGTEMDVMRVLPLCLFDYTPGAFWCNCFRCGIPGTSVK
DASSRNSFVGGKSTLSCPVPYFXLFFSSSLQGYHKDGAYKELGLDQELVMQMRRSYDVRP
PRMEDDHPYWHGNYRRYRKLKSKEQLESSRTESLKDAADRIMPFYNSVIAPSLRSGNKCLI
VSHANTIRTLIKNIDGISEDIKGMSIPTGIPLLYRLDKDLQVPCPVSELEFRFMVEPKG
YTWGTDIKHGFNGVYLGDLERLQDIQNKRDKTNRNWQRIILYNIKALEIATSTEAGAS
GSAKGSTAENTGEAEDDGKNVEAEVPPNNEPFPKPNLNRKFVLETRQLWFKLHEKMQSPEY
GNMLLLVLRMRDELEHRMYQRKQRYLTFACYEELVNKLHLDAEGHVVEPFVALSDRQDRE
ERQRLHIESIAQDLEAECLIK

>comp7884_c0_seq3; 411 236 2008 LEN=2459; translated
MIRLFPNAATAAVATRASKRSSARMSNLFRLLQGGAGNPAGTTSTNANANTNAYTRTAVR
HFQIGNKGDNNSSSSKSGSKKTGGPVVIGRSSRSKRLRGKGPMMRSRKNKDKSNNNQDSM
ISHIISGGTPLDPAPPPFELANFGEDSVHTLVLLRHGESEWNKLNQYTGWCDVNLTDGE
LEARAAGRLLFENGIEIDQAFTSVLKRAFSCNMALNHANQHWVPVTKSWRLNERHYGAL
QGYHKDGAYKELGLDQELVMQMRRSYDVRPPRMEDDHPYWHGNYRRYRKLKSKEQLESSRT
ESLKDAADRIMPFYNSVIAPSLRSGNKCLIVSHANTIRTLIKNIDGISEDIKGMSIPTG
IPLLYRLDKDLQVPCPVSELEFRFMVEPKGYTWGTDIKHGFNGVYLGDLERLQDIQNKRD
KTNRNWQRIILYNIKALEIATSTEAGASGSAKGSTAENTGEAEDDGKNVEAEVPPNNE
PFPKPNLNRKFVLETRQLWFKLHEKMQSPEYGNMLLLVLRMRDELEHRMYQRKQRYLTFACY
EELVNKLHLDAEGHVVEPFVALSDRQDREERQRLHIESIAQDLEAECLIK

>comp7885_c0_seq1; 256 725 1141 LEN=1311; translated
MSLKDIYSLHPEFSEYHYNKFSSRLSSLRKTIKSSNQRANADQEAFFELFLENNPISYLSH
KGYIQWQGSEQRLLKKDIEDGIVHDFGRRKKELWESRDEYQAFPLHVFRDKIKQEIGTE
KYLYTLKARGKDATYKYA

>comp7885_c0_seq2; 256 527 943 LEN=1113; translated
MSLKDIYSLHPEFSEYHYNKFSSRLSSLRKTIKSSNQRANADQEAFFELFLENNPISYLSH
KGYIQWQGSEQRLLKKDIEDGIVHDFGRRKKELWESRDEYQAFPLHVFRDKIKQEIGTE
KYLYTLKARGKDATYKYA

>comp7885_c0_seq3; 256 587 1003 LEN=1173; translated
MSLKDIYSLHPEFSEYHYNKFSSRLSSLRKTIKSSNQRANADQEAFFELFLENNPISYLSH
KGYIQWQGSEQRLLKKDIEDGIVHDFGRRKKELWESRDEYQAFPLHVFRDKIKQEIGTE
KYLYTLKARGKDATYKYA

>comp7886_c0_seq1; 96 1 370 LEN=2251; translated
XGLDNDDRQRASDRGESAGPQRNGLGHNLRADRRHSDRGLDNDDRLLPSSLLQSGGKLV
TGGKHGFGSLHGKSAEGSLPMSLVLALALFLFCFVSLRVRNKASRSRIGGFRRRSTKG
RTL

>comp7886_c0_seq2; 167 1093 1662 LEN=3543; translated
MLRGIDGTVKDKHKKEGNDPKTAAEEEEERMEHEILLAVLKEGRGERDERGEREESQ
VGWHRKENVGVLKRQRASDRGESAGPQRNGLGHNLRADRRHSDRGLDNDDRLLPSSLLQ
SGKLVETGGKHGFGSLHGKSAEGSLPMSLVLALALFLFCFVSLRVRNKASRSRIGGF
RRSTKGRTL

>comp7887_c0_seq1; 520 1 1513 LEN=2131; translated
XPKTAAEPGPAAGENESGPQAIGSDPETSOGGGDGTETTVPPPEPSAQNAPASDGTSETA
ATIPPPSPPTIGPNPSDGNNGGGEPAATTTTTTEPAEPTGEEARDPPHNNASGKLP
ALSQAQLSQAARKFAETHCDLTNLKDGQWYPSGGEDSWKQRAPYLIVAGVWNAGVNPLAR
ALLRHPQVSSKQEGFFLPKQFQYIDVVPASGNQONATASESRFRVKVFAARERMYAQ
VYSKSSFQEKAGSGEEAPPAAGDANDNNNDGDDGSKRVAMDVSPGLIFYAHKTAHSILC
TAPWVKVVVLRNPIDRLYQQWVYSTERLGLKLPLEDWMALEMKVLQKVGLINRGDEAND
AVSEKEAWRNYQSVHNMAGVIGRSLYVFQLEEWIEAFVAAGKNPSEEIVVLTTEEIEEDP
SGNYSELMRFLGLSAFDGAVQGGDVATELQKSLLRPNDTALPPMKEETRNMLKQFFQP
YNERLAKLLRSNGFEGDWDTRWKQ

>comp7889_c0_seq1; 730 1 1974 LEN=2006; translated

IEVPHERMLSKFPRRSIFAIAAAVVGKSLQTGHSLTVFGNRATIGRRQHQTNFHTALSASS
NLRLSEPEESEENLDESLTRWEEMYQQGEQARKEQILGMTSSGDSSSIGSDMKVEDSGSH
KSIAPVRVITFDLNTLWKTSETISAANDALAAYLSTKKNDNGMELKIPKRIEKVMGDLF
EADRRLYSPLLGATIPSPDRGNDDFNDVVKQTVKSPVSLTQLRIDAICYVLETENDFTP
DRALAFAKDAFDVWTKARHRAIVDHMAPLVTETLSYIRTSIMSNDNPVLLGAVTDGNSDP
RNIDALAPYFDFCVNAESVGVSKPDKRIYLRAIRRAIEVRPDLFSDLLPSGSASNDNFHE
TIDNETLEDVGPYWCHIGDDFLKDIVAADLKMRTIFAVGLVKEKLLASAETQEENKMD
MAEFIKKVSSETVITLIGIGADDYLAESLHGFEVDVAEADFSEIGKILVEWHSADADVSTST
NQAARETKEMQRDPIQTSTSANNEKDKDEENFLEVI EPSSTAGGDEFKAPFANRNRQG
EMNFLPRAFRIIRDGCSVDIPAPLRKRDEITMKDVMGMAQKEKSSGVFAFDPDVAALN
KGKRVLMIRIDDTDLKFSRETFSNMSVEEVLTLTDENPVLSLSLYMAEAFDKPSYDLF
>comp7891_c0_seq1; 225 289 1152 LEN=1571; translated
MSDSRRRSSRRGKKLESYSANDLVQIPHNSTTIIGRLLYKLT EQPSVRWLVAFFDDVPSRK
DEEIPPEEAIGPVVGRLEAAPKAPDSTS NRNASNLVTPMDDSNVASTITNNESVTTRS
RKSNSGNSSSSSSDSITKTKKKGNSLPASIPKEETDSRSEIAQEIPQLSPKISGRERRS
RRRQGLVDEETQQGTLLPSSNAPIATTGAKVAPNAKTASVPPEKTKTAQGNSSGKSRND
DAPRTKKGKFGPSHVRGNDEV LKVQFLTGTLYLYRGPKRHVEFIPKY
>comp7891_c0_seq2; 180 653 1222 LEN=1641; translated
MDDSNVASTITNNESVTTRSRRKSNSGNSSSSSSDSITKTKKKGNSLPASIPKEETDS
RSEIAQEIPQLSPKISGRERRSRRRQGLVDEETQQGTLLPSSNAPIATTGAKVAPNAKTA
SVPPEKTKTAQGNSSGKSRNDDAPRTKKGKFGPSHVRGNDEV LKVQFLTGTLYLYRGP
KHVEFIPKY
>comp7891_c0_seq3; 225 183 1046 LEN=1465; translated
MSDSRRRSSRRGKKLESYSANDLVQIPHNSTTIIGRLLYKLT EQPSVRWLVAFFDDVPSRK
DEEIPPEEAIGPVVGRLEAAPKAPDSTS NRNASNLVTPMDDSNVASTITNNESVTTRS
RKSNSGNSSSSSSDSITKTKKKGNSLPASIPKEETDSRSEIAQEIPQLSPKISGRERRS
RRRQGLVDEETQQGTLLPSSNAPIATTGAKVAPNAKTASVPPEKTKTAQGNSSGKSRND
DAPRTKKGKFGPSHVRGNDEV LKVQFLTGTLYLYRGPKRHVEFIPKY
>comp7891_c0_seq4; 180 759 1328 LEN=1747; translated
MDDSNVASTITNNESVTTRSRRKSNSGNSSSSSSDSITKTKKKGNSLPASIPKEETDS
RSEIAQEIPQLSPKISGRERRSRRRQGLVDEETQQGTLLPSSNAPIATTGAKVAPNAKTA
SVPPEKTKTAQGNSSGKSRNDDAPRTKKGKFGPSHVRGNDEV LKVQFLTGTLYLYRGP
KHVEFIPKY
>comp7892_c0_seq2; 181 49 489 LEN=1388; translated
MNP ISTPTPPSEGTNESLDQPQHYEGNVQLMEARFLQLCSSIRALYRSVQELRVHITEQR
VGNGDNENDDTLVFLQAI CENQQVLKQRIELCAIVEGMQRLNADTNLPDDIRIMVFDVD
EENQREQHHDASEGERNSRGGTGLYL
>comp7893_c0_seq1; 293 186 593 LEN=1930; minus strand; translated
MATVPLLPTKHTINADMLHLLKPGMLLINSSRGLVDTKAVLKGIQDGIIAGYGADVYE
NESDYFFQDWSAKAVPDPTLVALMGSNNVLLTAHQAFFTQEAVDAIVNTTLSNVKLFTEG
KTMYPHPNNFLPRRN
>comp7893_c0_seq2; 293 186 593 LEN=2124; minus strand; translated
MATVPLLPTKHTINADMLHLLKPGMLLINSSRGLVDTKAVLKGIQDGIIAGYGADVYE
NESDYFFQDWSAKAVPDPTLVALMGSNNVLLTAHQAFFTQEAVDAIVNTTLSNVKLFTEG
KTMYPHPNNFLPRRN
>comp7896_c0_seq1; 203 1 506 LEN=506; translated
XTDSLMTAVTND CAGL CRKDASAELEVR FCHKIRSAGGASRYLGS AKSCAIRFDVDG EK
PRSNKR VSSAANKVATVDSTIVLKG V GAGDATREEQAILAKAFVSAYNDVN WGANHYLTG
AEIPFAAATSPEGFLCRHCPDDDDSMGGAAPARDTNTLVLDIVSPVEAFX
>comp7896_c0_seq2; 361 1 637 LEN=881; translated
XTDSLMTAVTND CAGL CRKDASAELEVR FCHKIRSAGGASRYLGS AKSCAIRFDVDG EK
PRSNKR VSSAANKVATVDSTIVLKG V GAGDATREEQAILAKAFVSAYNDVN WGANHYLTG
AEIPFAAATSPEGFLCRHCPDDDDAMGSQFDVRS LHTGPADKKAIEVAFCKKLQNSVSKKL
ASAKSCSIAVESVAAAADASVDAKNNAKGALW
>comp7897_c0_seq1; 870 254 1907 LEN=1907; translated
MTRTTSNSGSTGRMVSSGACRKELPPLAGACGKHHHRHDPHEHPEDDAVLSSIRAVREI
VVAEFRLGETERRAMVAQLAAMKQRSSSASTKQPETKIPRSVSEEEQKDDGDCVCEGSL
DSDGEAKSQSKANKQLLQYWKDKCLRLEEKQKQEQERNEKSGLPAPGVDEEKEVLVSTL
LAQQQQAEQLKARLSESR TNAEALGQTVKKVVATMEEEEKQSIARERDVAFSLLEESRQQL
LQQQLQHAEQQAQQHQKQEQEHAKAVLNN SRELESQALRIEKLETVNARLAAENDELEATA

IRSSALEELLARDEAFRGIASKHNTNDHGIIEIETTTTSLQQKLKALETSLLEKDARTI
RSLLELQIQALEKQQKEHPSSDSATSTPASSLEQRLASKKKQLRDSRNLRTNSLDVVGDT
ILLQLRRLVEIHRHTHATAAAAVVANSGEPCGSGRSRLSPAVASADGPARSHSGDHPRC
STTTGEWESTLRKLSERERMLALLEEDADGAAARAANGSESDNVPLPAHTGAHCHSRGG
KRRSSGEEAIX

>comp7897_c0_seq2; 399 1 977 LEN=977; translated
XFLVLLGLLFRVQQLLQQQLQHAEQQAQQHQKQQEHAKAVLNNSRELESQALRIEKLET
NARLAAENDELEATAIRSSALEELLARDEAFRGIASKHNTNDHGIIEIETTTTSLQQKL
KALETSLLEKDARTIRSLLELQIQALEKQQKEHPSSDSATSTPASSLEQRLASKKKQLRDS
RNLRTNSLDVVGDTILLQLRRLVEIHRHTHATAAAAVVANSGEPCGSGRSRLSPAVAS
ADGPARSHSGDHPRCSTTTGEWESTLRKLSERERMLALLEEDADGAAARAANGSESDNV
PLPAHTGAHCHSRGGKRRSSGEEAIX

>comp7898_c0_seq1; 135 1 842 LEN=1519; minus strand; translated
XRANSCSMLGNSNGNGNGNDNGNDHQPSVYDAKLRELFRRICCGSTLPVYECEANAK
AAVFSSGTGYDTATPPQSERFQVLEVGVDIWIYYLVGIDEEAGSANVHMLGLTWTQD
LAWAITTSACTDRISVWAGNGELSEIWIPFNLLNRRRTGLEAIPTRATVDYKGTVMVL
QGNMDFCNFRGLANIPYDTLGCQFLFGITEGDPTGAAWYSVDFLDGSTTQFASFLNAS
YNEWLPIPELAEMGKVPQGQEVLYFDLYFERAEAHLYRTF

>comp7898_c0_seq2; 293 1 835 LEN=922; minus strand; translated
XRANSCSMLGNSNGNGNGNDNGNDHQPSVYDAKLRELFRRICCGSTLPVYECEANAK
AAVFSSGTGYDTATPPQSERFQVLEVGVDIWIYYLVGIDEEAGSANVHMLGLTWTQD
LAWAITTSACTDRISVWAGNGELSEIWIPFNLLNRRRTGLEAIPTRATVDYKGTVMVL
QGNMDFCNFRGLANIPYDTLGCQFLFGITEGDPTGAAWYSVDFLDGSTTQFASFLNAS
YNEWLPIPELAEMGKVPQGQEVLYFDLSFFTFLLDVRIG

>comp7899_c0_seq1; 367 129 785 LEN=1047; translated
MSDSNARGAGNLAPLAKYKLVFLGDQSVGKTSIITRFMYDNFDRHYQATIGIDFLSKTMY
LEDRTVRLQLWDTAGQERFRSLIPSYIRDSSAVVVYDVSNRASFTNTSKWVEDVRAERG
NDVVICLVGNKTDLGNDRKQVSTEEGEERAKKDGLMFMESAKAGYNVKSFLRKLATSLP
GSNDGGASAKNAGNGSGLIDIKVSSAPANLDDAKSCGC

>comp7900_c0_seq1; 392 158 1390 LEN=2455; translated
MSVLILAVVGYSMYKQKRDEVEFKDFPVDLDVRSFFDTQDGTQDGTKDRAKTKTKRAFVN
FLPAEIKMCRYANSLTTITFYEGDYRKIRKDLERRVNNVLEANPWLGGRLAVKPGDDQLR
LWYDPTGVDLPPDIYTCYEPGIIPKRTTQYAQYKDCADHDVVPVRSHELVGKNRPLWQ
VTVPDIVEQNERFAIVVSQSQMIGDAYTYQIFHMLFNSRNNTMEVLVNTAPVEKLNPI
RRADVQHVEEHMGLQEASVYVKSNSNVIDEVYDMVSFHKKQAMMFTVSESWLKTRTEKC
IADKREKSEFIKFCFAADGNHDGNITPEPRRRTSFLSTRMKSSRSFSEVLDPDKTGDG
KEEPSAMATRKAAMAWEISSINDRDRFDDIDPTDVLVLSWVFCISNADIGL

>comp7900_c0_seq2; 358 158 2023 LEN=2341; translated
MSVLILAVVGYSMYKQKRDEVEFKDFPVDLDVRSFFDTQDGTQDGTKDRAKTKTKRAFVN
FLPAEIKMCRYANSLTTITFYEGDYRKIRKDLERRVNNVLEANPWLGGRLAVKPGDDQLR
LWYDPTGVDLPPDIYTCYEPGIIPKRTTQYAQYKDCADHDVVPVRSHELVGKNRPLWQ
VTVPDIVEQNERFAIVVSQSQMIGDAYTYQIFHMLFNSRNNTMEVLVNTAPVEKLNPI
RRADVQHVEEHMGLQEASVYVKSNSNVIDEVYDMVSFHKKQAMMFTVSESWLKTRTEKC
IADKREKSEFIKFCFAADGNHDGNITPEPRRRTSFLSTRMKSSRSFSEVLDPDKTGDG
KEEPSAMATRKAAMAWEISSINDRDRFDDIDPTDVLVLSWVFCISNADIGLYPHHLRKS
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WDKLYSDLMPRGSQTGDQTEPSNPGGNEGDSIDGNSDGFVQDLHVPLFTDIDINAMPARK
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>comp7904_c0_seq1; 238 180 602 LEN=648; translated
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>comp7904_c0_seq2; 706 180 1904 LEN=2472; translated
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DGRIRQERENHDLILEKLLQEAEEKRDTVLKGIQDAGKMI GEGLQSYLDDTTKLRNTALT
VTGIAIGVYTARTSIGIGGRFIEARLGKPSLVRETSRFSFGQLAKQPVTTKRFLFGVGTQ
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LDFAILLTGDIAPLGRDAVTElhklFDWAKTSRKGLLLFIDEADAFLQnRETTKISEDQR
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>comp7905_c0_seq1; 960 42 2141 LEN=2285; translated
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EQlADLDGSYPGGLAAyTSKARALLKESADGTNPfEEFEAVVSEGETLSfDGEgTMSfSE
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>comp7906_c0_seq1; 249 444 1075 LEN=1075; translated
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>comp7906_c0_seq2; 438 1 1874 LEN=2074; translated
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SIRVSDfPKVTKNDLSTIVYtSGTTGRPKGVMLTHGNLLHQTSHRLAPSKPYEESEPLPG
ETMVSLLPvWHITERSfELWMLSRGCKVvYSSIRHFkNDMAKHkPEWLVLVPRVLEKIAT
GVQDKfSSGSAPVKILSKfFFtATGIRAKNAALAKGLAVGNSNDPSGLQRIVSKAAVTAV
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LAYRRLDENLVtAGCCGkPCYdTEVRVVDPEskATASSDRPSLPDGEVGVVIGRGPQIMK
GYYKNPKATAEAIdEYGWfDSGDlGRINPATGDlILTGRVKDTIVLSNGENIEPTPLEDA
IMGGTNGLVEQVMLTGQDGRRLVAIAVLSPTELANANFLDKNEAKRLQeANEQVNDPKCE
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>comp7907_c1_seq1; 445 131 1318 LEN=1562; translated
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RDSVYYfSAAEKCDVYVKIAECfLEEDMIAESDAAVGRAGSVVESIENADQHAALILRYK
STYARVLDSNRKfLQAASRYHDLSQSSGDlIRAEDLLTMLGRAATCAILAPSGPQRHRVL
GHISRDPRLDQLRGLSDFETHATILTKMYGGQILRKEELVGFEASLQPHQRAIMGDGLTI
MERGVVEHNMLAVSGIYRSIYVDELALVLGVGNEKAeKIVATMILDGSLEGSIDQVENLV
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>comp7907_c1_seq2; 430 131 1545 LEN=1789; translated
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PRSLDSVSNPNTPLVRANSNHTTPVAPTAPVYVKIAECfLEEDMIAESDAAVGRAGSVVE
SIENADQHAALILRYKSTYARVLDSNRKfLQAASRYHDLSQSSGDlIRAEDLLTMLGRAA
TCAILAPSGPQRHRVLGHISRDPRLDQLRGLSDFETHATILTKMYGGQILRKEELVGFEA
SLQPHQRAIMGDGLTImERGvVEHNMLAVSGIYRSIYVDELALVLGVGNEKAeKIVATMI
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>comp7908_c0_seq1; 418 423 1481 LEN=1967; translated
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YIAIKLHEPLEMETSLLADLSRGcYTEMEfANMEQDILEAIDWRVSGPTPLAFVLHYLAF
LPEIVPSSVVEAIFDYARYQTElGIADHCFVKSKPSVVGMAALLNALEGMdTDLLPERVQ
DLLIRtIViYtSIDLEeVEKvQIRLSTILLtSLDESdACKYERLVEDTDADeESISLSEE
DYADDVESEdSEdEETSDEdCDDDEGEKRIPpPSTSHRSPTsVMKKSrTRT

>comp7910_c0_seq1; 439 99 2243 LEN=2470; translated
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ASLRDDHVVDENNDQOSFLRQTTKYVWKTEDVSRVKYYILRHLPVFLQKTSTGESDSQFT
NSVYLDNDQLELYHGRLEKSPGAIARLRWYGNPNKLVFVERKTHNDKWTGEVSVKERF
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CMRTAFQIPFDATVRIISLDTNLCMISERGYELNGMKTWHRNPDWILQPNEITRFPHAVLE
IKLELKGGNLTPPKWVRDLQNSGLIYECHKYKSKYCHGTAVLLPEDVRAVPYVWDDVTLRE
SIIASGGGRILMEPGEEAAPGANAIYDHLLPFGDQEKDRSQTAVGRTHASTAASKGITGE
NYTKSNIQTGFDTNYSEEDPFLDDDDDDGACGWCFFPFCSTRYNEYAEQVVAPTSIQKVEP
KLFFANERTFLHWHLYAVVLSIGSAVISLSDSDVDDWRQSYALALLPISLAFIYALHV
FLWRQDQIKQRI PARWDDPMGPILLGSTVVLVVIQFFSHLYEIAKAGIEEGQI
>comp7910_c0_seq2; 138 1 1161 LEN=1388; translated
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GYELNGMKTWHRNPDWILQPNEITRFPHAVLEIKLELKGGNLTPPKWVRDLQNSGLIYEC
HKYKSKYCHGTAVLLPEDVRAVPYVWDDVTLRESIIASGGGRILMEPGEEAAPGANAIYDH
LLPFGDQEKDRSQTAVGRTHASTAASKGITGENYTKSNIQTGFDTNYSEEDPFLDDDDDD
DGACGWCFFPFCSTRYNEYAEQVVAPTSIQKVEPKLFFANERTFLHWHLYAVVLSIGSAVI
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VVLVVIQFFSHLYEIAKAGIEEGQI
>comp7911_c0_seq1; 411 123 1338 LEN=1617; translated
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SRKNDHNIVAEIVDSNFEEAGKKAHVTDKSEGNTDESETRYNSSDLEKQRKKYRRTDIL
VIATRGEIDIYDENLGRVVL CNGR LALHFGCILRRYAVQLEEDYQRQLHQHFEDPDAENQ
DNELQRIRIMSRQERRKAVEELLSSEKQVDIECGNADKNTLIKPECDCKSIGNAVDTPK
KSGTPSPLDTSFASDEGPVCSICLAEYKSTDSIFRSKSCPHMFHGECLLSWLERNNTE
CPICRVTLVSDDDIWEVVQMRKERRKELLKENGMYRVLVGVWIKSIRGGNQQPSQENDRL
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>comp7911_c0_seq2; 429 123 1415 LEN=1694; translated
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VVCFFVAGIWLILATIYSIILLVLLRLQARGELDIYDENLGRVVL CNGR LALHFGCILR
RYAVQLEEDYQRQLHQHFEDPDAENQDNELQRIRIMSRQERRKAVEELLSSEKQVDIEC
GNADKNTLIKPECDCKSIGNAVDTPKKSGTPSPLDTSFASDEGPVCSICLAEYKSTDSI
FRSKSCPHMFHGECLLSWLERNNTECPICRVTLVSDDDIWEVVQMRKERRKELLKENG
MYRVLVGVWIKSIRGGNQQPSQENDRLGSFTSSSSGSDGNTMGGETSSTLTIGVDASVDLN
DGDNVAENEN
>comp7912_c0_seq1; 430 1 1600 LEN=2127; translated
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ENLHLYDEFENILELSGPIPLNSTLHVLRRCIAIWQDLLKELNAPGNNGSGKHRFESI QDK
LILLHKDSFPKTRAKKEYNEVLRMLQTHNVLSKMYEYFKTVNNHEKTNKSGIWHETNKN
NEVLDQCNADFKNLYLRLLDDGMPTSLDDLVDKKNGWDA SDRMDHITQIAYYETSPLTHEK
LKSNIQSLLLHWFHEHIFD TDETGKPIVTELLEKRYRGIGFGGTSNGNERTPSSPVAV
RDAAAELVADVSTDVYLP TGI GSPSSRQRRTKTRRASMSPGNRRQNPKKQKAQY PKQK
LDVSFDTNEDEDENGYNLLSNDEYEEQQNRLKARHKRKRKILSIVRRNIYGVTTMYKSD
ENWSQE QDDALI QGMKWN YGNWSTILSEQD LLSKGEIELRSRANILLKRR
>comp7913_c0_seq2; 443 1 1261 LEN=1350; translated
XHTVPNDCKEIVLTEGEYDAMAVHQATGLAAVSLPNGCRSLPVQVLP LLERFDKIVLWMD
DDAPGREGAEKFAKGLIDRTHIVAGRGDAKDANDALLRGDIDLEERIEQAALVPHDRIV
TFGDLRNDVLKELLEPELYSGTPITSLPKFTQLIKGFRRGEMTVLTGPTGCGKTTFLGQV
SLDLAEQGENVLWGSFEIKNTRLLHKLKQFSRDSLPI NTDKNARENFEALADRFE TLP
YFMKFHGGSDVDEVLDAMEYAVYVNDVEHII LDNMQFMITRHSQKSSWDKFEVQDVAIEK
FRKFATEHNVHVTLVVHPRKEDESSKLSISSFFGSAKATQEADTVII IQNDANRRKYLDV
KKNRFDGTLGYTP IYFQNKSGRYVEDEGSAGNRP AQKQQPQGDMSMHLGPHNNYSSDRA
>comp7914_c0_seq1; 481 1 1198 LEN=1448; translated
XPTLPPTLPPTLPPTLPPTPPPTDLPTPIPTPADGEPTRPTPKSPTHAPTQNPTDF
PSTSPSVPTETPSSFSANAAFSEGT TSEQVVTACTSVQTNKVSNGRMLNSMVSEVVEI
HVEVFLRSCDFEAPTSIEGKTCFEIVTTITAPPSTGISPSLVTGSI ESDIQSGDFAVQLE
AEGLEGAVVSLPPSEEPSSQPSAPPSVSVMPVLP SFKPSLEPTV FSSLNPTAGPSVPDA
DCINDDSFRLNGKMNRGCTWVAKRKT RRRCKKKDRISKRRVKEFCPRVCKKKCQSCGRDT

INFGNGDISKDCLWVSNPLNRCEREDTISKKKAKEFCLSACDLRCSCLNTMGTFVLNG
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>comp7916_c0_seq2; 293 1 726 LEN=1223; translated
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QETSDANDAVRFVVKRGFQVLA VATYSQRSGLTDVAIRPTANVSVVLLLEAIKEHARSID
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>comp7917_c0_seq1; 677 121 1341 LEN=1372; translated
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LGADVVFVNVDYPAYGGDISSELKSAVNAVRKASDTAAVVMKDIVVDEIQLGLAKEAGCDG
ILLIASVLGPALDNFLDLATTIGLETIVECHTNNEVQRALDAMATNILVSNYDRVAQQMY
PEQAIKLAGLFPGSGGPIICLAGGGIETPEQMKRHLAVGYDGVIVGKAVMGSAKAPEFIR
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>comp7920_c0_seq1; 769 96 2843 LEN=3086; translated
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LNERRLNFNVCAYQFSSDGRFLLCKVVPPEGHPSEAPISESPAGVGPSIQTVTEGARKAP
GRTYQDLLKNKHDEEKFRYYLTTELVSLELEKSATSYSAAVVTQSRGGFIPCSMETSPC
GRYLLVESITELSYSVPPFRFGRKEVSVWDLKQNTTATNDSILTVASIPVDDEIPLSYDAC
SRHKRGFRFHPCLPHTLIYAHALDEGDPANNPMACEDGSFRDAVYTQDIVPNKSPEDDGA
SVLKEPALSQEPVTLCRLEWRYDDIDFTESGIILVDEYRWDRMERKWGLHPKPTSPGS
NSGTTKHATDTTKTLLWERSWEDRYSSPGTVPVTRTRGRNGKYFVREAKNTPGTIFLRGMG
ASPLGDRPFLDRMELATGARERLWRCKAPREGEIPKNMNDAPSEVGGRTAPDERDDVY
ETFVIMEDQDSILISRESKTTPRNYLTSLSKPGTESTVTAFFHPQPDIGVSKELVQY
KRKDGVDLTANLYLPADYDGTPRPTLFWAYPREYKNSKAAGQIKGSKHKFVSAHWASPIH
WTAKGWAVMDDFSMPVIGEGDAQPNDTFIEQIVAGATAGVEYAVQRGVCDPDRCAVGGHS
YGSFMTAHLLSHTSLFAAGIGRSGAFNRLLTPMSFQSEDRSIWEAPDTYITMSPLMHAKK
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>comp7921_c0_seq1; 422 166 2205 LEN=2806; translated
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VKDANFQKVAVFPVSLSDADYDVLQETWPLLERIWESELELAKCTFNLTLDVETSFRGMRPCQ
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DKNLFDRRDHTSDSLDLGQTPVSLPQRHMGEFPWEFDKIKLALQDVTHTITSVCMEQYD
PVTHSLQICKRSVEHVFTTIEEANTSDQRNLFLEKRNQAMIRVTQKLYLKDVLVQNRLSN
APRVWGELPKLEDAVRRWREIAAQASNKDEARLGSNWGAGNSGGGGLKKAFFIPLLEFAT
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SMDPCYVVKFAMILKDLQK
>comp7922_c0_seq1; 223 231 1073 LEN=1740; translated
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>comp7923_c0_seq1; 621 75 1826 LEN=1901; translated
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YLTNPLFQSSGSTSGHRKRRLLQEIESFNPSLKLNGAGSVSVHAKPMFGNQQTLRKT
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TTTNMSIRIAKNFRFKPQGCGRTKWKTYFGTVVSKRGVQKTKSYVWTLYHVYDDGDEE

DFNSRELKQALDLYEASKELDGETKCEPSLEPEDERKNPQNTTEEIHQLPQLSNKRIEVL
HNHGQSTTKQGSSSLQKDLTPANSFTRNSEAAKNMKLQKRECTGCAQVQIDISKRRKHLNQ
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>comp7924_c0_seq1; 315 85 1068 LEN=1381; translated
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QGLSFQPTGNSCDECGDGGMDRDLDDWEDPVLDMERVKAECKADLILCLGTSLRIEPV
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>comp7927_c0_seq1; 472 107 1074 LEN=1194; translated
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SSAGEAEFVLSQTEGRADVFWLEGSEGDNEIVSVLPKSSMAIGVSDPMQTDGAEIEEG
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>comp7928_c0_seq1; 699 71 1759 LEN=2071; translated
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QELVDCGIVPYLVRNLSSSSTALVFESAWALTNIASTECTIDVVKAGCVKPLVQLLLHTD
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TPSPPKETTAPVIFPLVSLLDKPIISDGAKVDILWALSYSLSDGDEQKIELVLGSGVTLLKLA
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LASNIACGNHKQITMLMKNTKALTQIITNAKNDTWEVRKEALWALAHVCTSGTSKHTESL
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>comp7929_c0_seq1; 380 42 1235 LEN=1292; translated
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FAIPGHPRLDREGLRKALNAVGETPDDETLEQIYQDADLDGNGVIDLEEFLLTSADTILG
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>comp7930_c0_seq1; 928 111 2690 LEN=2909; translated
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VMDNSKNIIEIPFDVEDDDASAKLPEMVVKSAKSIIHHVGLAIQQLTAWKDDEEIPIS
KYCNELPFVDNGVKISDPDKSWKCEKSGDTENIWLNLSDGFIGGGRKNWDGSGGSNGALD
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KTEKSTAELEVELNANYAFDAITESGSKLISVTGPGLQGLVNLGNTCYCNSAMQALVALP
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TNPKYRVTPRMFKHLIGKDHVDFRTGQQQDAAQFLLYFLEQIDRAELKNDRDI IPTSNLF
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TVTFSSQLDSWSAETALENIRWPHLDNAAHADATETSRFKNFPRYLWVQIQRYELGPDWQP
IKLEVNLDIPESIDLTSYKAVGPQETESLVPEEEGRGPASAAATQPEISEAALGQLMDMG
FTMNGCKRALMAVGGSDAEAAAMNWI FEHNMDPDFNDPIPETNPAFTAASSSGDVDDTVVM
SLVENLGMFTIDQVRVALKQTINGAADRAADWLF SHMDDLGAIANLQGGSTSSSTGDGTG
PKVDLEDGEGKYSMLGISHIGKNTGSGHYVAHIKRKEDGKWWIFNDEKVALSENPPIQH
AYLYLFQRTDTIGSPSPRY
>comp7931_c0_seq1; 740 57 3065 LEN=3424; translated
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DPHGGANVLDLSTWRRISRKARHPGAREEIEENLYLRYNKESCANGNPDLPPKVLMTLTK
LIGKRLPMVKNPLVSTASTTLMVEKQVPTRLSQRQHVKLAPKENIMKEMAQSPVIKSA
DEMYIHRQPQEHQSMSQSRQSMQSEACESSPRVLRQSTRQNAHPKQLQRPQTQPLQSDT
YESSPQVQSKCQNTLKKKELQREEGKLLRECLYSLQGIEGERVRYCREPRDYSIPDVS
NCEGIRIQSSALSQNILYAGQISETRLGSGAMDALKVCGEAGWLYTQITSYIHRVQQDRT
KGVVARAFAETLLEQLRDYHSLLTYYETKLPGFTRQMLVELRGP IFRKALAMLVDGMK

ELTGGHLLSALHKHSIHGNTIHVDIVQSILRKVSRPWFEILYAWTTKGILSDPWNEFFV
ENKDAEDRYLWNKKYSVNWDKVPKGI LAQEYVKPSFNVGKGINFIRRCLLDGQWMTQLRS
GITHLPTSIAPEKGNKIGDTLGYRYESNEYGKEENPVLKKTTLAATGSVHSHILRAVKEE
NHLMEHLFALKQFLLLGQDFYSTLMDGLYNEFNQNRVQFSGGIYKHSLLVIVD GALRSS
NAKYMPPYIVERLEVKLIIDPGEEMHDVLMGPAGLGGNTSEDRRTIYDMFVFDYHAPDP
VLPVHVSAMDQYKTLFALLFRLRIEYVLNFTWRQSATLSHALQNSAQYIGIDTASSE
YYRATFLLRKISIVRQSMTHLIVNLKSYLMFEVIEGDWQRLES AIHDASTLDEAIEAHS
YLANIIDKAMVRVSDCRESSRQLAKQVHIVLTIIESEFCDLQENLNFNQSLEEAIEITAQKRI
QAENRLKQGQWGFNSQKDIEEQESFFGLAKSSVIDLVSRISKNYNYQAMGLLKALSERVD
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>comp7932_c0_seq1; 463 146 2020 LEN=2442; translated
MTMDATDRTPDEEHSESSDTTKPAGVVLAI DVGSSSVRCTAYDCLATTHRRGHETVATV
PIPGCFASIQRPGEVPLSGAVRTIDLMDAIDGSVDEVLT KLKGKHFEGKRGRFRVEAVGFS
TFVMNLVAVDANGKLVTFGDGDDQKGDNSNEDAEAVHHGTPSTTVSISYACNATRVNEE
CRRLRRDLGQEAVDKLYEGTGAPLHSAYALPQLRVLYNSLCPERKRKIHSWQSVAGYCLS
QWIGTPHLPVSYSEASWTGLLNVS DCTYDES AVGLLPPECRRALPQLADFTDGLCGLPRL
VRGRSEGTGNPYWEKWPDLRDARFFLGIGDGACANVGSKCTGSSRFVAVTIGTSAAAARVCL
RREAGGGPAFFSIP ECRGLFCYRVDRHHVLI GGALTDGGSVVEWASRFLNLDPRAFRECL
GEARALVEAECERARSAGR HREQDGLFVAPFLGGERSTGYRDGATGAVLGLTRETTPAH
FLKASLEGVSLRLKAVLDLLRLVREGPAGPLGIAGDPVIVASGRAMEANHLWRQMVS DA
SGLSVLDEDAEAGTSRGLARLVALSLQRDAGSEETPLP VSEHEEDLNPYLTSRPTPAAT
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>comp7933_c0_seq1; 247 115 1109 LEN=1526; translated
MPLGKIPAA TRFACVAAKSTKVLRSRGISSSSFFSSMGGEGRNAAATSCKKFRTHNPQP
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GPHVDRDHADSVHVT FVDSEQTP IAENVDAYVGESLLQVAQRNDIELEGACEGVCACSTC
HVIFFDEDTFYNLLEEASEDEEDMLDMAYXADGNEPAELPDPRDFRDGRNDDRDSKGDPE
FLRGRTRSATALAQLCSGAVGSFCGLATNAWTKRGVIASLFPAALEEMISTKYECCLQEK
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>comp7934_c0_seq1; 439 97 1071 LEN=1281; translated
MSDDWCTIESDPGVFTELLTDLGCTSVQLEELWSLDDESLEALNNTAEIYGLIFL FQWQS
KSDSEALSASEDKNEPLSEEQIP PGLFFAHQVTTNACATQA ILSVILNQRDDVELGSTLK
EFKDF TASFPPLGKVAISSSEAIK KSHNAFGRTDAFLNDGKYVSRQNSQEDVFHFVAYI
PHSDGNVYELDGLQSGPIVVGKYSDEEQKDNTAKSTKWLPVAREAIQKRMQGD AIKFNL
AVTKDKRGLGLKEIEKNPTDGLSIHRLNMEEEKR KQWALENQRRRHNFVPLCVSILKELA
RANCLPELVEQAKDRKRQKIVGKK

>comp7934_c0_seq2; 412 97 1259 LEN=1469; translated
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KSDSEALSASEDKNEPLSEEQIP PGLFFAHQVTTNACAVRFL LLRSSARQHTVGCVALRT
TQLEQSHNFS DTRSYSVAHNAPFLFMLVVLFSVSSFP ILLDSSHVFGHLKPEDDVELGST
LKEFKDF TASFPPLGKVAISSSEAIK KSHNAFGRTDAFLNDGKYVSRQNSQEDVFHFVVA
YIPHS DGNVYELDGLQSGPIVVGKYSDEEQKDNTAKSTKWLPVAREAIQKRMQGD AIKFN
LMAVTKDKRGLGLKEIEKNPTDGLSIHRLNMEEEKR KQWALENQRRRHNFVPLCVSILKE
LARANCLPELVEQAKDRKRQKIVGKK

>comp7935_c0_seq1; 299 126 813 LEN=813; translated
MAATTPKTI RLSSETKALEPGDLERLRRHATS VFERLEEEESASDSLSPVPPSWVDGVRSDS
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KHGNEDEKEDDEQVATTFGTDAESNEARGDPFLES AATVAYFAEPTALDSETGALKPEF
RDENCCRNGETFPKENRKL LALCKAGHGLHLP SFRRGISNYDNDNDNDX

>comp7935_c0_seq2; 299 139 826 LEN=826; translated
MAATTPKTI RLSSETKALEPGDLERLRRHATS VFERLEEEESASDSLSPVPPSWVDGVRSDS
EQSVGKKPCSSSFRKRHFDSNGFFVARRFC DPDEARTLKAAMSESVRKHWPYKGTTPGT
KHGNEDEKEDDEQVATTFGTDAESNEARGDPFLES AATVAYFAEPTALDSETGALKPEF
RDENCCRNGETFPKENRKL LALCKAGHGLHLP SFRRGISNYDNDNDNDX

>comp7936_c0_seq1; 341 91 978 LEN=1406; translated
MSSWDEHQENY GELDEYDGP IASDGFGRVENKALGTGITNSVSAPRGGSR TSSLSHF
SELSMDFGELQEDMETKRYASGSMFPKNRKKKSPNTT PDRPLR TKSFSPSEASIDLNELG
DAIGAGEDLSNRRV VAGSMNKNGRKTSLSDGTRSFSSWHQPPAYSNNLIEDDEDSSGCG
NYLSFGEDCGDSTVRFDQVPLDLSTVIENDGSECSISIEGMTRNLSSLNNSNGSTGGSSV
RRRVKFEISTRLENILEFDKPAEDFHLLYTAHELQK MIDNNRAKEKRGQDDVR

>comp7937_c0_seq2; 627 104 1840 LEN=2282; translated
MGR IARLNRRK N LKDISL KSTSRPKHGLQNL R ATKRS LPSVTNNMRLSTNGSCLSMNSK
TIEKLN SAIRVNC D TSLIIQKEVMDLLQSSSNQSCSALS MATALLKSQA CLDNH S FNHEQ
TNSKTMATRTQRTGSISSKLHSIFSRKTETEEMKSR YELMGAFARIEKNPSSRDKIVSSW
KEAKIVLEEE L SFPSTIVPSEV NNSDQDFASLQKQPLSSTA EKHANMLES DLK N VQEGFS
ALWLSSTKWKQIKSYPDQKR LLETAKKGD TTEDAEDLVTSIERESIEKADLYFNARIPNA
EALYKHVQRDRRITEL EERMKAKEAEERASSLMQTLNDDDRQIVEDAIHG HGGDDQIIA
QVGADSVRRASMR TLKPGMWLNDEI IHYFYLMLAKRDEGLWKNDPSLKRSHFFK SFFITK
LLNEGSAICDGKYEYRNVKRWSK KVP GKDIFNLDKILFPINMGNMHWICAAIFM KKKRIE
IFDSMGSSGNRYLNALFKYIQDEHMDKKKTPLPDADAWELVPTQGDTPRQRNGHDCGVFT
CMFADFLSKNTALVFNQDHINQCRERIALS IMKGEAIM

>comp7938_c0_seq1; 194 1 588 LEN=714; translated
PTNQPTQHASVLKTEY GEMASSVLWGMNTHAPVNNLQAAITYALLGSLAAVSARWYADVL
YGRFGYGP I EKQREVR SRGDAEWFSLYSSTAASALALFGCYEFFQIPIGRYIQGTL SGGV
EMCFGSSRFDA CLQTFIDTNSPGPTPEAQFRALVTNLYAVYVRLQDIAGDTSWDDVVVLV
RAWSVSFASYLANLQ

>comp7938_c0_seq2; 508 1 1651 LEN=1777; translated
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GMTGSGAGVAGDGVSDVTSSSYAVVTKVVENTVP TTTSTEVVA VTLGESIGGVIGAVFSVA
INFVLRGGKTDDPN ESSPDPTGSGTAGRSKPASLLSQGLSDSDFFIANSASYSILEAAGV
PESIAKYGSIFIAAVPSQLVKIGSSISKQKRAKEERLLYELLLSEERQRRRSRYRFDKLF
SFWKQRSQATRQRFVDPKDLEPVT AAGEAAATGSALAAETVGT P SVFVVD FVEVFADVTR
WLEYDVLKTEY GEMASSVLWGMNTHAPVNNLQAAITYALLGSLAAVSARWYADVLYGRFG
YGP I EKQREVR SRGDAEWFSLYSSTAASALALFGCYEFFQIPIGRYIQGTL SGGVEMCFG
SSRFDA CLQTFIDTNSPGPTPEAQFRALVTNLYAVYVRLQDIAGDTSWDDVVVLVRAWSV
SFASYLANLQ

>comp7938_c0_seq3; 375 1 1096 LEN=1215; translated
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AGVQSHRAHVFP I AASPAPRTGTTLWLN SPTGSNKATPRGRRNDEV TGLVLA V FIVLSLA
GMTGSGAGVAGDGVSDVTSSSYAVVTKVVENTVP TTTSTEVVA VTLGESIGGVIGAVFSVA
INFVLRGGKTDDPN ESSPDPTGSGTAGRSKPASLLSQGLSDSDFFIANSASYSILEAAGV
PESIAKYGSIFIAAVPSQLVKIGSSISKQKRAKEERLLYELLLSEERQRRRSRYRFDKLF
SFWKQRSQATRQRFVDPKDLEPVT AAGEAAATGSALAAETVGT P SVFVVD FVEVFADVTR
WLEYE

>comp7940_c0_seq1; 294 1 1593 LEN=1634; translated
NTNTNTNINTKICLAASTAALPKKKKKDTA I ERGREFVARHSPGRSRRRGAKQTMGNHPS
TTPVP SKVTCQNHDRQIPGSASSD VLLWGCKTREEDRFKRALLLQILRPLKGGEGLAAGG
LEYRPVALSTNATQRTRKATTPMHA EVFDAASAPHARIPVSRKKKKRI P M PLTPESVLV
VNSDNITDRERAQDTAGVVLXNHETMSR L FHRESNTMITAENRKEFIADGPMYDIVCRLA
MEYAQEVMMRDAQLEWVTVPEETRSDGSQPPPPSSNTQPIRVLVSTRLVKDESRIDEEP
TLLVATGNGRVRAGVFSRQHLLTSGLE C STAVPFVVRQAYTRNINLVLDPNARGDKLGMA
TFEKSMERVFRRWEQGMRCGGPTPRNLLVLSHSQSGSQFVRYLLDKSHCYLPRIRATAF
TDSTHNIQWAKRRNRLRELERHLES D NCVYFKRADET D ASSGAGCGLGPLSSVGRAVD TND
FWKHRFGTIKTL CAGTPEHSLTNWFVRHHIWNHFD RSIAAAETNRAVCQC

>comp7941_c0_seq1; 529 300 1476 LEN=1476; translated
MKFTSRIGRTGLLFLAAILVCDPLNWGFVSAEEENPXAYPTTDSITNQVPHIRSHQEPNT
CTNEGSDEGANQGTNQGANKGNETTYGRSYPKAHQKANEESNKETNKETVE
ETHEKAHSAEQETHQEAHSAHKEAHKQAHDAKTNPVAPT PAVPGTPATTPAPT IAPT
AAPP SVTVSVLIAVPAATPPSVVEEQVEQAVQDILEASSVGT PANYPVTSPDGNAATEAP
DGNVTTTAPVSNNTI GLRHLQQSKQQNNNNNNNADLPNNCFLEPTLTGSTTDADCESLGN
GSFAYVCGTNAVADLFVVKGTVELKSTFRAAKEENAREAPKSQEEAVQEAQAVALAAVQEV
LVAPEAQAAPEAAALVAVQEGLVAPEVALVAV

>comp7942_c0_seq1; 432 844 1917 LEN=2427; translated
MGLQQVNANNTANTNRDHNKRKKKTKSNTAVGKSSGLPDISLRTQLNYARNGHAVLRNF
ITDNKDSFSSGSSKKKNSRLSNLREDILDAMDQELKAWVQKVQVAAGKDIADSCHTIDD
CKKALQANGVTANLPFLQYFNTWRKLPVKDLAFELGKAASILLDVPTVRLYQDAVFWKR
SQDGP TPWHVDARMAPFD TSHMITFWIPLQDVSPENGGTALIFCSKSHADYALPYWNPL
PQANGDTSDDDNLSPSGWDR LGDRYPKKEIEYMPMSLGDVTVHSGWTLHCSNGNELAGSK
DRVALAITFVDGAAEIRPDWQSIGDDEDQCSYQEW C INVKPRTKFTHELVPITWPPS

>comp7944_c1_seq1; 419 1 1197 LEN=1500; translated
GRGSKKRAAPEGLVRAKKRSPGKASSATGGPAPSSSAKNGSAYIHLPHVGDPPKKARWRAA
HFLYYQREDPDQPPPSQPQSGSNHNSNNSNSGNHPASRESGGGNGGKKQGGDGDDEPHG
GSRSKPRYVVYEGEMVDGKREGRGICLFSDDTLYEGEWKRNKEHGYGTLTTSDRTRTIYE
GEWERGRMQGKGVYYYYSSDPQNPGRPYAGEFRENLYRYSGTYFLPDGSVYDQWRDGM
NGHGLFTWPDQSLYDGAWKDGKRHGQGLLKKADGFLYDQWVNNNTMEGRGSVYVNGQKY
EGSFHKGRREGRGTIVFTNGAVYEGFRDDAVDQGTMMKARTIVVPREKGRSGGSENE
PRSPATATSGGTGEKQDFMIPISFQSDMTRILTKTGFM

>comp7944_c1_seq2; 347 202 1353 LEN=2408; translated
MSLLAGTTGSISASSSPMIAAHAHNSLNLRKRWTLKRRPTGVFDPALDAEFVEQTQSPKLD
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MLAASDRVVVDSRAVVRVSVNFPLPPTAALGLLGLTCGLTAYCGVFYVASRPPRKGTVV
VTGAAGAVGSIATQLARSTGARVVGAVGGPRKAYLKDITLGCDAVIDYKSRKESLHDQIA
RACPEGIDFVYDNGGIEILNALLYRINPRGRVVCGAISQYSGKLHNGTKNEGCCGADGP
SNYLKLAERGAEMVGFVNMQHIRKLPFMLVGMFWLWARGKVVMEHEIEEGLEHFPHALQK
LFTGENIGKTLVRVGPDDKAASR

>comp7945_c0_seq1; 104 447 857 LEN=1141; translated
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ASTALVVFEWLLCELPCASCIEGAAFVGAWGCGLGAYALYLIEACGDLNDQLGDDMIAQF
GTTVIPDGIPTGQQCEW

>comp7945_c0_seq2; 104 228 638 LEN=922; translated
MQWLVNYSDFFSVAGSSINVGWVFEFTDGVCDIEEMYSDDDWAVALARSSLTSLMICGL
ASTALVVFEWLLCELPCASCIEGAAFVGAWGCGLGAYALYLIEACGDLNDQLGDDMIAQF
GTTVIPDGIPTGQQCEW

>comp7947_c0_seq1; 588 36 1016 LEN=2023; translated
MAAPAKENSPSPAKLAMLVVAWYAGNTFYNVFNKKATNMIHAHWVAVACAQLVVGIVWSLV
MWGTGMRKKPNLTSKDIANCIPIGMCACLGHAGSVLASAVGAVSFAQIVKACEPAFAAVV
GLLVRPVDIKPMLAYAMLIPVGGVGLACVKEGKIDINVTAFMWASMANIAAFKGLG
SGVTKEKGNPEKNMDSANVYAVMNIISFLCTVPFVVVQELPTLDVEWNKAVEEHGFQPL
VMNIALSGLFFYIYNEFAFAFTAAVGAVTSSVLNTAKRVIIIVVSTIVFQEPMERNTVLG
SAIAIGGTFGYSLASKKKSAPKAKKE

>comp7947_c0_seq2; 588 36 1016 LEN=1766; translated
MAAPAKENSPSPAKLAMLVVAWYAGNTFYNVFNKKATNMIHAHWVAVACAQLVVGIVWSLV
MWGTGMRKKPNLTSKDIANCIPIGMCACLGHAGSVLASAVGAVSFAQIVKACEPAFAAVV
GLLVRPVDIKPMLAYAMLIPVGGVGLACVKEGKIDINVTAFMWASMANIAAFKGLG
SGVTKEKGNPEKNMDSANVYAVMNIISFLCTVPFVVVQELPTLDVEWNKAVEEHGFQPL
VMNIALSGLFFYIYNEFAFAFTAAVGAVTSSVLNTAKRVIIIVVSTIVFQEPMERNTVLG
SAIAIGGTFGYSLASKKKSAPKAKKE

>comp7949_c0_seq1; 547 65 1360 LEN=1491; translated
MKLFLSTLLASLSSANGQGAQLLARWDMNEPTTSFEADTNTFVFDYVGTSPDNVGGTGV
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LIYDVLTDQDLTAYKAANNNDENPPYTSVSGYGFASSEDLGKGLAHMCLRYGIGKTVTGF
YEINFIEETLIEVKYDLTAGFSVDGFSVAPKNREVVTEIKSDYTLAYLCPASTDTPEDF
NGNTYVWPTADPQAAGTAFNQALIKICIKPIGQTRIDGLYLEGITSYTWKLYDEPGTSE
ITGVTQGIIDDGLSYMSCFDVNGSDSGNGPFDYCTIESILYADFYKVAGTVKGSGEATLDF
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LAALLSAIMLA

>comp7951_c0_seq1; 408 1 1192 LEN=1192; translated
RDSGADYRTAEAEHPHPHQAAARHETAQPETTPPAVSVPHAMTPGDEARPKDAGNRGGP
GGGRGRGKGRGPRGGRGRGRGRGRSSGRGRTKNADGSANTNHQSKKANPNLEDGVQNM
IKNAHDNNKEDSGSQDPDSKGNKNNNRKGNPGRGGRGAGRGGRGAGRGKQATKN
KNGTTPGEADGKNKGQQAESKDNKVGDDTKNANKKNAPKKGKANEGEAQATDNXEND
GNKHGKKTDEKKGKPGNQKTKNDSGDPKRKDKGNKNTNNKKGHPGPGVSKPSIPPNQ
PQQTSDINYKGETIVVLHVGEKPSIAEAIKGLCKGERTVNRVMPHTFTNPGFPKAP
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>comp7952_c0_seq1; 290 195 716 LEN=1177; translated
MGTQMNSIIYNDGIPSCCFQGTDEFLHSITDEAIDEAFPPSAQEAAELEAVEVVFEMMA
TLAHLLEEKEEMTRFSEDHKGGLRRWKARRELEGGKPRPAKHTVEKVIHYQRPSVPDIADLV
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>comp7953_c0_seq1; 740 45 1910 LEN=2131; translated

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QSEEAATEHQPATENEWFDDLEDDFQREGGDIIDSLNDEAVHAITGGAGIDELAAAWA
EAEAEYDSVLLDHELQEKSQEVEVLVDDDYANLWQGENSNLQPLTSEPRPYEFINPVSLD
GGNTTATNSSTSNKSNYMEEGMKQFREGNIKEAIRSFEMELQNQNMDNATAWRMLGNCHA
ENDQDPEAIQCFEAAVERDPFCPEALLALGVSYVNELNHERALENMKAWFTHNPKYAGLE
FDALPETNTAPGDDIYGAAERNTADDVTGSHRSKESAFDEAKRMLLALEYDPTDAGD
LHEALGVIYSVIKDYDSAVIDSFRKALETTRPDDYQLWNLKLGATLANGSQPDQALPMYARSL
KLKPKYARAWLNMAISHSNLQDHDEAARSYLQTLNPGATHCWYLRMSLSSNERWDL
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>comp7955_c0_seq1; 1741 326 7282 LEN=7475; translated
MPLVGAATKKHKRTEQNRTEHNRTHSSGMAAASNTNALVSI VVPRLLLLFLQLGALALPAA
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SSAGVASSGVELQWSIEGLAFNCQAKYKYKGLLGIVNRGDVYLYSRDNKVVSTATVRSLL
TGSPSPTEISMNSCLPTVEIVDVDFDNGGFVGVWVLD AIEGLLR TAMELVASDKICEELQ
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QVNQWLREFVLEEDGAMVLTASSVGPDPGPRDGVLYDAEDVVTHTTIVLDRVKLLGLDTL
THFSPFEVAGNYTLETYLAWKYLALEVDVTATVRPSTRPDSVIEETEGTSTQVKIVEQVKL
MLGVDGLTAGASLMAALNQTALENNVRLGSLLRNTAAIDCLLSTVVDFEFSTLSVEVTN
DVLTPSIEGLVSPGLDRFLFSEAMDASFLMYERVLMEAAPVYFQNELRPMLTQRILHEYLL
QRPPTTGERGTVGSVTQNSNSRTCIPWTSNEVDDDKPIDFRDLLLLTAEDATDLGGSGSAA
YGNLFSMIMPYINEEVLDPTFNTQWIRKMTKEQSGKEGVLEFKDVYRYLNVSSSTSPLY
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DREDDEVEAESLKSIEIESLSFNILTFYLD SVCISATSPGCGSISDVIYELEDAAFATSF
RKP IDLVEDVVLSDLWDALDVSELIKQAHKFCPHSDKFEASAPEPTVEMPNLSGVSRNSS
QTILALGIVGLQTAIVSAKNHLLLADNKPLVPNDQSPSAKSETMPFPEGSEIIDWNNLS
DLGSWVDIAFDEFNRNLSKSVVASTESSNEVLSRDLASDMTLQINTMLREYILDKSRSL
YELKDLFSMAFGVTITISKVRIRGLDTVTAIEPLVVLD SQMNTKQLQDDLSFVFECRVT
RMDETWTDEIDL VYKAKDVQLDMTRIALNVTEIGKVQLGSLFDISQATNCMLRGVQAFE
ISRDLFTMGKVETPLIDRSFSPDLQVALSGILDSL RKNYQDEILQAI PSIVGSTFREIVN
ALIPSIESTASKCLPPPEYPIDGLIDFRDLFLSASESQQLGGSNISRYGNVFQIAYDVL
DKEVMQTGASNRPVINDWLKKTQKQSNNTGMVEIAGTALDTE SVVQIAGLQADFKIKIS
DVVLENLDSVGDPLYFFRPVSGYANVLDNKL SFGVDEKPLRFQGTVSI SLDDGAEMKIHN
EIFVSFLIEDVTVQTSILLRVLENSISAFPLEDLTDSFCWASTILPTS GEGESFQGLQLF
DQSYSTGEFDIEISCKSCTSPDFDKLLLSLYEPQDITAAVREQTSSLMESGFLQTFLNDI
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RWSVPI LIMLVGLYLGGHFGILSVVNL DVTLAQQSFTIQNFLEFRFLSSTWNTYKNGGA
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GFAIFLVF IGGRDTPNNGDDVYYALKAI VLPKAGCYCMI VAQRMSRVSSQF LLEYHEKAV
NKAVSIRQDIEGNVLSLQIVTEQESTGNDPLSSDGPLIEIADRMSDESQAASKSTWKFL
SKI PCNASDIKPKSWGMYRWGQLGAILGGVTILLV FIVGCI FVP AIAFDVTSFGGIALES
DYTYNEAVSEYGVFLV I SGILLKARFVMKTKADY IGLGLVLF AAGISISSTFLIKAFHF I
RKKIKQRRKRTNNPEQVPSYGHEGCGLPSYFRLYKQWHEIYFISVCIGVWQLGSIISYS
IHL YCLIMTGIFD LLSMGI VEPTAAQCNR IQAALPGNVIITLGSFLILMVTFFYLQAFGQ
YKKNL MKASEFVDEQDVPTLSLAWSKDKSKNRLYSHLADSLSTTTTYNGD TTSRTERTS
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>comp7956_c0_seq1; 227 1 553 LEN=828; translated
XQIIDNDSGQSALNRLAQVQSTLYQDIKEKRXVYVMKTFIQITLALVTLVAVDAFAPTTV
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KHL

>comp7957_c0_seq1; 222 212 1176 LEN=1176; translated
MILSRRIHSGCVVRNAGRLYGRPRQPEMPVLGHRGTRRDGEFCHRLHSTKQQHETDGNKA
PSSNHGDEHRHRVPADHEILSTIPFMGRGVEIGQYGTVTRTYTSEEVESFARLIRDFNPL
HSSLASTDDFENGSDLREALAAQERSLEAAGLVRPGSTGTSRVPLVHGALVSTVFSVFA

HLAPGCVYLHQTVGYVSPVFAGETTVCVVRVESIRDWNRGKRPRARGGVVARCSTLVYAL
GAPEPGCANARAGPVPATLAVRGHADVWVWPMGHRSEPTRNAPRREGRNPGFDGRTAEHKG
VQRTSILRNKRKRKHNSSTTAX

>comp7962_c0_seq1; 821 734 4195 LEN=4315; translated
MAFSAADLQNSFGNYSFRGSSSSNAHMEDHQIIVVAPHQGS�CRVEGRDETTYVLEILL
GNDESAFSESEESSPSTHELVLFRKDFEFLRFLHIMDTESSGLIVKATVEEFMALRCPV
FWRREDELDQHGGGRATDSSVNRGGTPSSPTFEEVWNAVCCSTSQCAPDGGEPMLGVEGWM
VFRCRFIALAQYLEAKRRFSGRHLQQTMRHRNAPRGSELVVVNVPPVAPP IRLTARELAKY
ERDTQTRLPLPELDDLHSLLAHDVLRRRRKQTHGEYAVGDRVKIELFGQSPLLLSSNAS
SSSSKGLEFCLTLLRSRDRREGMILEDEATTVRRSVTDIKWLHDTFVSHKALGGTLCGRI
LPPFPGNQLEDETSVFPTTTGGAAIAATHAGKEFAHAGVIAAAGVGMLTEGFRSLWSGY
GSTADGLLLSSSTSSKKHPTESLSKTKSNPASIRNTMKTYYNPNSPIGKARHLERYLNY
LLEHPALSTSFPLNTILKASQSGLDAAKQSLEEHTRAAREINEQTPKMDDGKTSTFWSLQ
GQGGSMPPNLTWVRTAAQAAVALQLHGVLLETTGLSSASARLQHASLPTFNNSRNPGWAE
TETDRNLARNNSDENPEQMEGDSFEEGVLHVGDDELASSKDDNCIVDQEDGDGYDLLPLP
VPAPERQILNVGESTKRQHSTGSKKEARFRYGAPPIQEGLVVDGTEDDHRVYLGEMAIDE
NIDKLREVIQSVNTLSRCSASSCGIERSRRERFALNLDILRGLDSWEGLRGKFVSQRAL
LKGLSGMEQSREVFEEEDLTLIDVSWQSALAHSAVSAEEDVRSTVRAARTGSNAKLAAV
KAAHAAKSLCEKGFANVHEARAAQTRASIAQSHAIHAAVVEHEAKTVKRRATLALAHV
KCWNVHRKREVLKICLDYAKSQHEGTRRAVDASCLRDGYVGSTIIPSTQHWKASTIPER
NPVSEEPVKTTIYNHGGSTGEGRKSIVAVEHRNLKLP IESLASKKEPKKIEDTSSSSK
EEDQIVSLAFATPIPEETEEIPDDGDKLSLAPGGIILQPSEVDSNTDHEQSEDDQSRKS
TLVIQSSASSDRESSEETAYETENNEALTNMQSLVDGLMNWGGIDVEDNFALPTGMAAS
IALEESIAFGNSP

>comp7962_c0_seq2; 759 734 4290 LEN=4410; translated
MAFSAADLQNSFGNYSFRGSSSSNAHMEDHQIIVVAPHQGS�CRVEGRDETTYVLEILL
GNDESAFSESEESSPSTHELVLFRKDFEFLRFLHIMDTESSGLIVKATVEEFMALRCPV
FWRREDELDQHGGGRATDSSVNRGGTPSSPTFEEVWNAVCCSTSQCAPDGGEPMLGVEGWM
VFRCRFIALAQYLEAKRRFSGRHLQQTMRHRNAPRGSELVVVNVPPVAPP IRLTARELAKY
ERDTQTRLPLPELDDLHSLLAHDVLRRRRKQTHGEYAVGDRVKIELFGQSPLLLSSNAS
SSSSKGLEFCLTLLRSRDRREGMILEDEATTVRRSVTDIKWLHDTFVSHKALGGTLCGRI
LPPFPGNQLEDETSVFPTTTGGAAIAATHAGKEFAHAGVIAAAGVGMLTEGFRSLWSGY
GSTADGLLLSSSTSSKKHPTESLSKTKSNPASIRNTMKTYYNPNSPIGKARHLERYLNY
LLEHPALSTSFPLNTILKASQSGLDAAKQSLEEHTRAAREINEQTPKMDDGKTSTFWSLQ
GQGGSMPPNLTWVRTAAQAAVALQLHGVLLETTGLSSASARLQHASLPTFNNSRNPGWAE
TETDRNLARNNSDENPEQMEGDSFEEGVLHVGDDELASSKDDNCIVDQEDGDGYDLLPLP
VPAPERQILNVGESTKRQHSTGSKKEARFRYGAPPIQEGLVVDGTEDDHRVYLGEMAIDE
NIDKLREVIQSVNTLSRCSASSCGIERSRRERFALNLDILRGLDSWEGLRGKFVSQRAL
LKGLSGMEQSREVFEEEDLTLIDGTPAFSGXVLGSIDIVPCLFGISHVHCFCFLADVSWQ
SALAHSAVSAEEDVRSTVRAARTGSNAKLAAVKAAHAAKSLCEKGFANVHEARAAQTRA
SIAQSHAIHAAVVEHEAKTVKRRATLALAHVCKCWNVHRKREVLKICLDYAKSQHEGTRR
AVDAWASCLRDGYVGSTIIPSTQHWKASTIPERNPVSEEPVKTTIYNHGGSTGEGRKSIV
AVEHRNLKLP IESLASKKEPKKIEDTSSSSKKEEDQIVSLAFATPIPEETEEIPDDGDK
LSLAPGGIILQPSEVDSNTDHEQSEDDQSRKSTLVIQSSASSDRESSEETAYETENNEAL
TNMQSLVDGLMNWGGIDVEDNFALPTGMAASIALEESIAFGNSP

>comp7963_c0_seq1; 718 190 1821 LEN=2074; translated
MKINILQKNTASLVSILLVQLSSSFVIKSDKTAFTNGRNNIALGVLADVDDKVSVDVAD
AGDDTSNVSVLVDVNLKRLKGGEGSLTDADTNAAITASDSSLVHLGELKNSVESTEYSQS
DLHTAARKMDVDTVSKMLDAGLEMDAITD TAFWAVVKAVDQAEAQDLPLSANVTQMLHH
VFDADVQKLLSREKIGTNI TCMQPDDTGGIAGSAKKMSYIFDSSAHKDLPLMEGRKCEGG
TCCDACSRNIFPTFASEAESSLVTFPELSSLTFNDLEKVSASTIIQFVRLIERVRRITISH
EYGLPLKNILPLQAYSRYVAGSTQKGGGGGEGDFVILHTDEATHDGYHYSVLYLSTQG
VDFEGGDFVFNDAEIVQEISSSTSKEDTEEDKVEDLGLLQLLRGELPDVDVEVTDDDED
EGEGEDLGDLEQQIRNDGRKLT PPHKRGAAVIFSSGWENMHEVEKITSVRYAVPCFFT
TCPVPDIAYDQMNVGKPKTDEDIADDWLHLLL AHRKEEPIESVGRVKELLMKWHYICTPL
SEH

>comp7964_c0_seq1; 739 1 2480 LEN=2480; translated
XGHSWEQFASNFSHNADVEDSPLRESNAHQVNNNLSNVKDKNKLELNQSPLTSNKD TD
KREETNSDWHNENSQDFLLMKEFSSAGQVGGIAFVETNNRCVPHVGERVLPENQLERK
NRVSGKFHDEDIVARDELETKF SNLNLHSISSIRNPANIASEERKGSNIYRRDERASADD

KGRFHYAQGLSSESDVIELSSEKDNCIKLEDSNSIRDHRQGIRDFLENRGNLRGEHFGRS
QHRSEFTQVVEVQDNKPTGGSDPLDSQNTIQHQEIRNFQKQKRDLSLQHHLEQSQHLLNK
QSQAENLDWEEALSEKLDQYEAHANRHQESIDFQHMEDLSDRESAQPQDLNEVPRRDSI
ERKDSPSELHDFEALNAYLAEYERGGKQPKDSSERNNGMGHSCQTTHTTDQHNHFEDIL
GDYNRDQESKSTSVLSDTHLVEVTVIENGEAGNRYSHDVSWPNTNTEDSRRVPEQIGRD
MGDEALNDFVMPGNDYAHSNLYNNDSEEGVDTTTTYNHNSGVLDSTGHLQHQQDQNYIHD
RRHVVRILDRSLLDLDEDGDEDECLDAIEVERQNTYCSNDRDPDADTPCASNRMDPPDPL
PAHRYPEGRRLSTPIPTPNDLAEAEPEGATKEEIDLLNRFIDVASSDFGGQILAPESEARV
RSAALKVGLTPKFVDQLLNTTMKPSENHEKNLAFVAPPELQEQQPSLYDGKNNYHNNDYS
YSHQFDGDYGGDNETYNTADYSRSYAKQSRSSGYEDGNCNTNIWEFLGQNLVHLANVTAK
TCGVNYHRNDRRNNRRYRDDGDSIVSAISWDGDHARSSSTSRRDRSRX

>comp7964_c0_seq2; 778 1 2665 LEN=3084; translated

XGHSWEQFASNFNSHNADVEDSPLRESNAHQVNNNLSNVKDKNKLELNQSPLTSNKD
KREETTNSDWHNENSQDFLLMKEFSSAGQVGGIAFVETNNRCVPHVGERVLPENQLERK
NRVSGKFHDEDIVARDELETKFSNLNLHSISSIRNPANIASSEERKGSNIYRRDERASADD
KGRFHYAQGLSSESDVIELSSEKDNCIKLEDSNSIRDHRQGIRDFLENRGNLRGEHFGRS
QHRSEFTQVVEVQDNKPTGGSDPLDSQNTIQHQEIRNFQKQKRDLSLQHHLEQSQHLLNK
QSQAENLDWEEALSEKLDQYEAHANRHQESIDFQHMEDLSDRESAQPQDLNEVPRRDSI
ERKDSPSELHDFEALNAYLAEYERGGKQPKDSSERNNGMGHSCQTTHTTDQHNHFEDIL
GDYNRDQESKSTSVLSDTHLVEVTVIENGEAGNRYSHDVSWPNTNTEDSRRVPEQIGRD
MGDEALNDFVMPGNDYAHSNLYNNDSEEGVDTTTTYNHNSGVLDSTGHLQHQQDQNYIHD
RRHVVRILDRSLLDLDEDGDEDECLDAIEVERQNTYCSNDRDPDADTPCASNRMDPPDPL
PAHRYPEGRRLSTPIPTPNDLAEAEPEGATKEEIDLLNRFIDVASSDFGGQILAPESEARV
RSAALKVGLTPKFVDQLLNTTMKPSENHEKNLAFVAPPELQEQQPSLYDGKNNYHNNDYS
YSHQFDGDYGGDNETYNTADYSRSYAKQSRSSGYEDGNCNTNIWEFLGQNLVHLANVTAK
TCGVNYHRNDRRNNRRYRDDGDSIVSAISWDGDHARSSSTSRRDRSRRSREADDWEAAD
LVPEENSDCRQKEERTRHVTFEDHVDEQSYNPVVRNESPPREKITQLV

>comp7965_c0_seq1; 169 177 668 LEN=668; minus strand; translated

MKLLNSSASMTMMVGSLLRSVAVGFGPARFSAVGAANTTTQRSLFNRLFGSAPSSEYPI
MTGEETMCQKGGHGTSEKPVQKDLRWNCYETADRICNFRNRHYAEYAGYWESTAFLKSVKD
EDLPIKFYDSVTGAHLFTAPIGRSVEDFVKESRAHGWPSPFRDQE

>comp7966_c0_seq1; 216 97 588 LEN=962; translated

MGTTKNTQKTAKAELDQKLLARPTRQILEDLAIACAKSPSEDNTFQYAFCLSKSSERSE
LRYAIQILDGLVKEGYEHQVDCMYGSACALYLLGEYDKARFRAENILRSHPE SRLAREIH
LSSIEAIEQEDKKKIKEAAIGGVTVA AVGVAAGIASLLLTKR

>comp7968_c0_seq1; 275 213 713 LEN=1025; translated

MTDYGTELLRRQLADLCKNPIDLVSGLADDSNLYEWEILIMGPDGTLFEGGFFKARLTF
PADFPNMPPTMTFISEMWHPNVYEDGKVCISILHPPGEDAMNSQELAIERWRPILGVEQI
LISVISMLSDPNDESPANLDAAVQWRNDRPAFKKKVRQIVRKSQEE

>comp7968_c0_seq2; 217 611 988 LEN=1300; translated

MGPDGTLFEGGFFKARLTFPADFPNMPPTMTFISEMWHPNVYEDGKVCISILHPPGEDAM
NSQELAIERWRPILGVEQILISVISMLSDPNDESPANLDAAVQWRNDRPAFKKKVRQIVR
KSQEE

>comp7969_c0_seq1; 382 184 1704 LEN=1990; translated

MRSSSKESLQSLLLLLSASLTLVSAEGAAQFKRNRLGSNAFLEMGGAAKNRAVASP
TSSRRRTAVGRNKIVANGNREDGASIAATSVFNLANVAGAGILTLAAGKASGTGWIPSIGI
CLTLAMVSSHTFSLVGLSCALTGLNSFKDLWAYAFSDNKS AWIVDTMVVFVQCFFVSIY
TGLLGDVFSALFRGTLGIEQWWTTRTSVICIAASMILFPLNLRDLSSLGFTSILGLIAV
LYTVGFMVVRALDGSYGIGSAGTSGRFVSEGLLPKIPSFTKSSLWNVDLNSLVLTSNLGL
AFISHYNAPS YWKS LGKSASAKFSTISRRAYLILASIVYTTMVAGYATFGDESMGNILL
NYSSSDVLATFGRLATGLSIFGFPLISNGCREGFKNAASALDVFPRLRDPQHHTQLVLS
LLLVTTSLSIVAEDVGLVAGFTGALMGSALVYICPTLLYSKIVERKLGANSDDYVLAKRN
LFFIPFGLFTASMGVTMTLKNAFGRS

>comp7970_c0_seq1; 334 149 1387 LEN=2130; translated

MVSAGFSSLRFFSVAVCLWARRPARGLLLPAGARARGHRRPLAARGVAGGGMP SAEEGS
GDGVEWWRGTSPTGAPYQLAYRHVAPAADLSGGSCGSSNNNNGGETDPHREHTRQRP
TILFCNGFRSEMSGGKVLALAEHCVARGWGFCAFDYRGHGLSNERGAVAEQQQDEDDDG
GPVLTDWISDAAAVLEGVVLPRA GSHPSVVLVGS SMGAWIAVHLAMRYHNGAKSGNSDH
ERKNKTKRKRESKPSDGPVVVSGILGIASAPDVFSDLWDSASQEQRRREWRAAGMARL
ASSHAPGGGYAVPLALIEDAREHWDLLGEHGSKGLAVSCPVGLLHGKRDREVPWTRSLA

LAEALEQNGSGSGSGSVDLRWIEDGDHRLSRPGDVRAILDALDALVAEACG
>comp7971_c0_seq1; 557 1 1057 LEN=1057; translated
XEFFTSTSRFLRKIKPKPPGNKHTPKHSNRKDGTRRRKQGESGESTRRGRIRRALFDE
AVLSGESSHRDESGKKRSEDAKGDKNIPAKRSTESKSKSSPLHSKENLEKKS KDHG
SKGKSEKQYEHDSKAKGKEPHGCSHGKAKGKGGYSKGGKSKSKEGDTSKERKSNSKE
GGGSKGIKWKADGGSSKEGKWKDGGSSKGDKSKGKTSKAFVPE SITTEVGSRLLLKKS
GDGVSKGKDRRDDLEGGKKNKGTGVGFQNETGNSNDDANDEEDLCLPEPDSDDNYPES
KGKNSKGGSKNDKSEKNKSKHYDSPSISPVNVPISKGKGD SKGDKSKKSKSK
>comp7972_c0_seq1; 192 153 426 LEN=426; translated
MAEPETSGSGLPQSSGSSSSNPGVAGGKMSRPVSNSSSKSDDNEEGSNRRNGREGE
DERDSSTQSLQNGSKHHERSKHHERGRTSGX
>comp7972_c0_seq2; 294 153 993 LEN=993; translated
MAEPETSGSGLPQSSGSSSSNPGVAGGKMSRPVSNSSSKSDDNEEGSNRRNGREGE
DERDSSTQSLQNGSKHHERSKRATGAGRPLAFGGVEGINQHQLRLLSAARD CPLSRTKR
PLAAGGKLLKRNQWWCNLSSSESSSGSSPGRNQKSRSCSSHPLNADRDDKRSRDCDL
ISGPSNDNNGNQNNDNTGTERDPRAASECIGMEILTTNQDSIPRLETTLTNSYNEKPLHHR
EKGP IESTPNRQLLKRPPAHSLSPTESKKRTPEVPGLEKQX
>comp7973_c0_seq1; 340 348 1384 LEN=1384; minus strand; translated
MAWHGMARHG TARQQWQVVASRRVCCPSGRAPDRIKEQHSVVLALLSAPLGP T TALRFV
SHSVSHRFPHATMHADCFPRANNPRGVGSLPRRVFAYGVCRSVYPLETGEEDAAATDESS
LLEELRAVEKEAAA AVTEFRRAALLRAFAAVPLPAPGDDXGPKEDRPAVLQVLLGGKP
LQGV LHDRSGVRVLE DAPLVEGGFRRLRVGLEQVVG VVHHYQPEDVAARRLYEGVVR
VDDHGRDDRHDALLVKKLAEGGRPAPWCVSVAGVVA AAAEHAGQEPHAVFLDGHRAVQS
HDREDQLDSAXLTQARRAASAARGTEVANANAVAIAIAAAAARLRPPX
>comp7974_c0_seq1; 285 44 844 LEN=1027; translated
MATDNKDIPLSKKKTSEKMLQRTRSQEMVDELHNHIVDEDPLLISQSLTYVTDDGSVLH
SFRSAPFSWGFKARFVILESLFILLCVCAPVPGAHGTVVAVTVANLLAVAWFWYNHVRTV
DVTADGSLRFWIGNIEVEVPFEKIIAIRRVSTANAPCGFMQLSSVWPYRGFLSNTEEGVA
VVTTVSSMPFWLWPRSAGKPERSWCFGILYCPKLT VVFSPIGGGQNFINDVEREMLNFQN
MTGKRRGTSTINGNAGTRPDADLLDV
>comp7974_c0_seq2; 161 402 641 LEN=824; translated
MPFWLWPRSAGKPERSWCFGILYCPKLT VVFSPIGGGQNFINDVEREMLNFQNMTGKRRG
TSTINGNAGTRPDADLLDV
>comp7977_c0_seq1; 290 1 1043 LEN=1842; translated
XVVGKRGAVGPAGLLDQAAAPAAPDVAPHQALEHHGHEIPVPDRQHGAPPAQGPGESVVL
VLELLPRKQKAHVEQVAVVVAVAGLVGIPVAIAVHEAIEIIGQPQTILRGSGFRIDSLV
ARATVPSFVGMVKPHEFQRHNFVDVGLADWHRVVALAAAF TTAATEQVAEETVADVFRAH
AGLGNPFVVASLDLVVMGNHHHVYLLPKAGTPAARGLARGDHQSLQGRSDGQORPQHRAA
QDSNRARRLAVEQGRVEILACQGVRLDPERAQVGIRPAVGIHVPTKALAVVVVGSVAIQ
AFGISVNLVVAVFGVPDHVEGDGGFAPALVLP SRHLDALYWVLIVL
>comp7979_c0_seq1; 273 1 871 LEN=871; minus strand; translated
XNQSSSQGNSIPLVSSVGTAFITKLLTGLLQNVRIDSNSSSTEIYPICKDILNGTVIGLI
GSDEGDTKNQSERLGNLKNVILCAWTIHLKNRCEFVWGKNQSELPDEENAVIPSAIRCV
LKDATNSSADHAKHHGEGDQDLFQALKFLACQRIQQLHGECYEQK LAYASDADQYSTAS
ESAEAQKLVGFILRDCILTSSYSGFVEKARDQWMALAESIAAWAPYADQHDIDSFLNQLL
EAMAI SGKSHLQSRYQMMSLLNDTSFYEVSNV SERLGANIISFVARNVQKI
>comp7980_c0_seq1; 954 1 2188 LEN=2344; translated
XQKFTQDIFRSVQVEYEQEGIELEEITYDDNTDVL DLVEGRMGLLAFLNEECVRPKGSD
KTFVYKAQTMNKDNRCFFRDKQADDFEFGIHHYAGRVLYDATNFVKKNTDTLP SDLLNCA
KLSSNAIIANELNNEEMMNPLHKS GALAAGSGATKKKKRPKAAAARGPPGRQLKRRTSNI
VAETVWTKFKNQLSRLMDTLGETKTRYIRCIKPN TLKAPLIMEHASTVEQLRCAGVVAV
TISRSAFNRLEHISILDRFKSLWPKGDHIAV LQNDNLDMDERCKKATDILLTLALKEME
FEKNGSRFRAFVMGKTRAYFRAGALEFLEAERMKHLGSYAVTMQTAIRGFTIWSMYQRYR
VALVALQANYRRMLRRRIYLRWRNAAVRVECWYRVV FASRRVYHLRRCMKAIMIQTQWRM
LRDRRILREAVGATVVIQCMVRGCLQRPKYKQALFEKKEEAKLENQLHALQRKLEEA EAK
RLAAEKEAEGRMAAAMEEFKEKEAARLAEDAASVALAESEAKQA AEDSFETAGEEDHAQA
LTAEQQHLMDESGKMLEHLRKEVFR LRQGNQQLKTD FDLKDNQRLMDANASAGASF AA
LNQHAKQLSKQNTKLAGEVQTYKTQVHKLNLQAEAREELRLKSATYVAEVQSRLQYQKA
LQNI TDI IQEKCRDHRLVESILTI ADEVDMDFIPGSHELPI DPNETDSEGMDDTGND SRG
GLLGYFFS

>comp7982_c0_seq1; 990 90 1745 LEN=4309; translated
MTITNNPLDNDRLKGLLSEVHKVQSEKTYNAWSKTFLEFYTTDLDPDGILNARDNYCRV
LKQFKKLSEKLALVETLLNENGHIRSSNSNDGATTITIRGRRMLTNLSEEVATTEQKVKD
FMPKTNADERFGYDKFELAAVLLQDDFYAYDRMKETTHSLDRIRNNLGVDEDINSENSP
SNTDRIVDENFQKPLQNYIEAVESFIEVMEDLGLFTLMKRCLDVVDRGEERDEPKTLSAP
ECSTSKGDGYMVDNNDNEIDGKFEIKGFDAQHHFPDASNQNRDSSGGAKETKKKKKKKDEC
SSSLSKKKREKQNRKGGKKTCKGSATDPTSRKNDLISLHSTTSSSDQSPASNAMQSSFS
EEKKSIEDKEKNEDDPPAEGEGVEEEAEFIIYFDPKTNITIGRINRQECCTKSQLIIDAT
KDGDEAYQDIIEDKKEKQOIILLKKLEKQRPVEKSWLEAIKDEKAAKNEKSGDNRRKK
KKKKPSKSTELISKRGKMKSKRSSKTTSDVEGGSHNSFRDGSSTLKKKKKAMVADYQGIY
RKSAAKPNPTGW

>comp7983_c0_seq1; 840 1538 4657 LEN=4694; translated
MWKLAQQSLSQGLRRPVPLRYGFLSGITSKGNIEQSSRNHTTSPGSRKRQHQRHSHKHS
INHENAKKFIESSRAFVEKSSSPDKDWTVEQLALANKILNTWSRQTIPTTEMQSSWIPIAE
KLLSTSLDQYQTIASIKQESTTALMPSSETFCSIITMYSKSNLPNAAERADYWLKRMIVT
SELHPDLVASPRATIFANVLSAWEKSRLPGTESRAQRLWTHLTSTRGLTPTSSAYLYIS
LWSKSDLPEASETAEKILREMLQNGKRNQIVPSCPFI FVNVISSWRRKKESGYTTAHLRAQ
LVLDLLVKEYNRRLKLPQEWRFISINDIPFNATIQAWTNSSLAPRLVEERVNHILKTMQEQ
LEISPTMVTAWSTLPMYCFDEGLDQSKAIDVPTKLLKLLDFSMSNEGGGKPNMIRNQIF
AKSLEICSSFRGTISEGSITAGEAAEELVNKYFKRPRGERRVETTVGGFEHAIKAWRYD
NNHDREHKTQRIVELIKKLEKEVEHIYEHTHKKNPSAANLYASLAKVWVIGYYPNESLGR
AEINIDHMLACFRDQPELKNPFCFLDIEEAANENLSSKIADDFVTKLYMKLLANDSQFY
RLMNTFETSLLTGCDSSSVKQFLDGVLDTLGSAEVDSSGRRAESVLLKQOELYEAGISSQ
PTFDTFKKVLRCSNSQDNSAPDRMENMLLLAQSLYDAGDTRLRPFDFGYLTVISAWSTS
LNPDAADKIQSHLKKLNERKMEGDQTFRIDSRVYAALIRAYANSRDDVQIMTDAIFQSA
SDDLKDTKVYNALIEAQGGDSNRAEQLLQVMQLSYSEGNDIVKPNTEFTFNAVIQSWLRSG
SPMAAWRVDGIFKRMEELSSSGKLHVKNPNSRTFDLIISTLAQDWGAELAKVDIYLELLKE
HYRAGDFLPTTTSYTEAIRAWASKDDDPRAILRAHALLEEMHELAREGVATVRPNRSTYE
VYLEGLFQSSVENRTDLVSDVLFKMRENKFDIDHAMRSSIQRCLLPVGSRAHTWIIDVDD
FVVPQNEWMHKTVDATSIQ

>comp7983_c0_seq2; 840 1892 5011 LEN=5048; translated
MWKLAQQSLSQGLRRPVPLRYGFLSGITSKGNIEQSSRNHTTSPGSRKRQHQRHSHKHS
INHENAKKFIESSRAFVEKSSSPDKDWTVEQLALANKILNTWSRQTIPTTEMQSSWIPIAE
KLLSTSLDQYQTIASIKQESTTALMPSSETFCSIITMYSKSNLPNAAERADYWLKRMIVT
SELHPDLVASPRATIFANVLSAWEKSRLPGTESRAQRLWTHLTSTRGLTPTSSAYLYIS
LWSKSDLPEASETAEKILREMLQNGKRNQIVPSCPFI FVNVISSWRRKKESGYTTAHLRAQ
LVLDLLVKEYNRRLKLPQEWRFISINDIPFNATIQAWTNSSLAPRLVEERVNHILKTMQEQ
LEISPTMVTAWSTLPMYCFDEGLDQSKAIDVPTKLLKLLDFSMSNEGGGKPNMIRNQIF
AKSLEICSSFRGTISEGSITAGEAAEELVNKYFKRPRGERRVETTVGGFEHAIKAWRYD
NNHDREHKTQRIVELIKKLEKEVEHIYEHTHKKNPSAANLYASLAKVWVIGYYPNESLGR
AEINIDHMLACFRDQPELKNPFCFLDIEEAANENLSSKIADDFVTKLYMKLLANDSQFY
RLMNTFETSLLTGCDSSSVKQFLDGVLDTLGSAEVDSSGRRAESVLLKQOELYEAGISSQ
PTFDTFKKVLRCSNSQDNSAPDRMENMLLLAQSLYDAGDTRLRPFDFGYLTVISAWSTS
LNPDAADKIQSHLKKLNERKMEGDQTFRIDSRVYAALIRAYANSRDDVQIMTDAIFQSA
SDDLKDTKVYNALIEAQGGDSNRAEQLLQVMQLSYSEGNDIVKPNTEFTFNAVIQSWLRSG
SPMAAWRVDGIFKRMEELSSSGKLHVKNPNSRTFDLIISTLAQDWGAELAKVDIYLELLKE
HYRAGDFLPTTTSYTEAIRAWASKDDDPRAILRAHALLEEMHELAREGVATVRPNRSTYE
VYLEGLFQSSVENRTDLVSDVLFKMRENKFDIDHAMRSSIQRCLLPVGSRAHTWIIDVDD
FVVPQNEWMHKTVDATSIQ

>comp7984_c0_seq1; 733 139 2839 LEN=2922; translated
MSIIRQKNPRSCVSGSYDEQNQDDMVDEIIETLSNVLEFSCIIVRSSETNDGSSDYFN
DDPWARLSRSLKGLIVSFGKLQKLVSSDDTAGTDIKVTASTLTNQLLLDIENITHQIRGN
IESVSAMLTGKVSTQLATCRKLESIGSRNTSLALPTQLIPMGKALASAIHRQKAVWIQSQ
QIIEDFVDRIYTNQYNPVEIIDNLQIVYKRVNRRCIDPDSSPWKEALSLECVASSETAQ
IFSDTTKATTMDSHIGCRNAVIVNAPVRKPMWLPPSLRHFSSLNCASSQLQSIVNIFHE
SQENNHECANTLSILVVSQGSKTHLLDNIQCSLASVDIDIHPMLPFDAIGNTVGA
AEDNLISMICYAKTQERNCILLLDDIDSICGKMEESSMMNGGIPGGQREPHQTARLRNLF
LSLLDMIQIGHYGHSGRMVLI CSAKEEFQDIDRFDKILHLLHPDKEERKQIISDYAGG
NNFVDNLVDC TAGFSRAEISHHCRQALSALHARGLEDSETSDFATYLKEKLSSTPESLK
TGTNADFVDMRVFSARDLRKLYPIRDAKRPDADLPLFGEGAWAAWEELRRLIVLPVCRGD

GKAKPKERNKVYHPTMDPFDDAGSLSEEDRARSREEHAEAMAS IEMSSFP IGLAAPEFVP
PNVPSGELEVPETLVTTLDNGIRVVSQETYSQMCTIGVLSSVGSRHEEVEGTMHLLLETMA
FGSTEKYQGPEITQMLQDWGATRFVSHSREQSLHCVDILRPNVEKGMELLSQVVLEPLIT
GAPQEVEYAKEVMAFQAQEQIPELVLGEALQVAAYGADQQLGKAHFATAES IPLLEARGV
EDFYGKNIKGNPGGIVVAGAGISHDELVGMAEEHFSTMEQSHSPATLPSTYRGGHSIVEK
PATESVYQPMLPEEDQCRVALAFPVGGWHSMTMTACVLQTLGGGSSFSAGGPGKGMYS
RMYQQVLNRYGWMESAEAF TTF ADEGGFLFGVSASTAVPSKVPELVAILADQLASVAIHPV
GDLELSRARNMLRCNVLAQLESRLILFEDMGRQVLT YGRREDAAKTCAKIEAVTAGDIQA
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>comp7996_c0_seq2; 522 1 1721 LEN=2187; translated
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PNVPSGELEVPETLVTTLDNGIRVVSQETYSQMCTIGVLSSVGSRHEEVEGTMHLLLETMA
FGSTEKYQGPEITQMLQDWGATRFVSHSREQSLHCVDILRPNVEKGMELLSQVVLEPLIT
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RMYQQVLNRYGWMESAEAF TTF ADEGGFLFGVSASTAVPSKVPELVAILADQLASVAIHPV
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>comp7997_c0_seq1; 195 160 1164 LEN=1265; translated
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RSVTLRGDRDEIYSGDAAGKVTLWDLGGNGRSNENYMRGNSNKKGDNGFIHQVQPGKGSTG
GCLIQTSIQAVDISEDSTRFAVVSNHGTVYVWDPTSQNTGSFLQHRPITK FRAHPSGSYC
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STARLWNLRTGDVVRQYHGHQGA VTCVALNDSSL

>comp7998_c0_seq1; 302 83 580 LEN=842; translated
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QKSKQSQEAKTHDPI SRREEIFEEAPMYKLMLLGDDSYDVEHVVERLCAIVDDMDEDQAQ
SVLLMAGPSGEAMCGKYPMEKAELYKEQLIRSDPMIYSDIRNENE

>comp7999_c0_seq1; 719 210 2141 LEN=2293; translated
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GNAAAYVGSNVRKQGRVTMELTGDFETKTLIHKPEIELDPSTKGNHGGSGDENANENPNVG
IPIESYKATYHYTSPKAPPVAVASSENEHSTDVLOGQRQYFLKESVASKLNHRVRASSSS
SASDSQPEPLFD PQIAWLASF P NSGTSFTLT MVARATNTTFATNYGIEANYGSKDEP SMP
IYPRHPEGPFMPNSETS FHHRS LPYGKYVITKTHCGGYCFQCNPADYAYGYREGSRDQAG
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VIARFHLERKHHGDANTTQDQEWLENHPDDRVLQRF CASQNKHREERETAFFASDFFAQ
KDGNDDEPTLSYARRNGDHLASTKSGIPTAQSQPQPSMQASSWNDLVANVPCKAEFFRYI
QWHNLLHEALDYVPHKLPVLT VYVYEDYGGGEESYRATTASVLEFLELEPIAGDKRGNVKW
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>comp8000_c1_seq1; 769 1 2257 LEN=2363; translated
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GVKAVAAMFRTPCLASVRDADR GSEQSSVVGAGEDTVSLLNRILAGEGNQRGNASVVA
SPRASKITD LLEGRLD AIQAYATTEVPTLERRLSAGTVTSTPLEGWNGTKLGYSQVLF A
PSEDLPAE ESSGKREVLQSF LDATFRGWGA AVRDTEHAARSVEEARAMLGLDDENNDHWD
PSFEYTIQNVGLCGDYAKETFQGD RYGVINPNRNWNEATDWLLGENTVEPGFLD ATVWQP
PAELLAGNELARTTLEDAKESATAFYAKHGRKPSLVVITVGQLSRYTHGDRRIKIYSNKR
NSWFSKTSTGENHGFDVREIDLPESTTTDELLESEIYKSKDVDGIQLMWPLPEHIDSQAQY
NAIRVDQDVG AHYIGELEKDPGSSPLPPVTPAATIALMDRYGIDPKGKNVLVIGRSRIV
GSPVAHMLRAKDAVVTVAHSGVSRDNLES LVSADIVVSCVGDPGIFEARWLKEGAEVIN
VGTTFSEEKDRLLSDFEGDFLAKAKRFS PVPGGIGPIPVSQLYKNVARAAWERA AKTGEV
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>comp8000_c1_seq2; 1359 1 3523 LEN=3547; translated
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GVKAVAAMFRTSPLCLASVRDADRGEQSSVVG AHEDTVSLLNRILAGEGNQRGNASVVA
SPRASKITDLLEGRLDAIQAYATTEVPTLERRLGSAGTVTSTPLEGWNGTKLGYSQVLF
PSEDLPAEESGKREVLQSF LDATFRGWGA AVRDT EHAARSVEEARAMLGLDDENNDHWD
PSFEYTIQNVGLCGDYAKETFQGD RYGVINPNRWNEATDWLLGENTVEPGFGLDATVWQP
PAELLAGNELARTTLEDAKESATAFYAKHGRKPSLVVITV GQLSRYTHGDRRIKIYSNKR
NSWFSKTSTGENHGFDVREIDLPESTTTDELLSEIYKSKDVDGIQLMWPLPEHIDSAQAY
NAIRVDQDVG AHYIGELEKDPGSSPLPPVTPAATIALMDRYGIDPKGKNVLVIGRSRIV
GSPVAHMLRAKDAVVTVAHSGVSRDNLES LVGSADIVVSCVGD PGI FEARWLKEGAEVIN
VGTTFSEEKDRLLSDFEGDFLAKAKRFSPVPGGIGPIPVSQLYKNVARAAWERA AKTGEV
DATWEKKSGLNRSIHFKDYDSALEFVSKVNDMSSEMDDHANISFTHKCVDGVDVNMEYF
SFEANDVTDKDYEAARRVNGILSEEIADEDSKHQKIKMSDFTYDLRDDAI AKYPADPRGS
SRLLNVDSEGNVNYFDNFSDSILPLENSHLVFNESKVVNARLSVNSAEDPNKVETEMMV
LDLGDVLQKPCQDTALTVMIRKEGVQVGD L FHVHGE GSI SFRVEMVKGPWIEDEKSNNG
TECVVRCSTKDDSIANMSE LFRSVGSVPIPPYLNREAEASDENAYNNVYASGEGSVAAPT
AGLHFTDPLLAEIGQDNISYLSLHV GAGTFKPVVVEDARDHAMHGESFVVS V GELQRIIE
SLESQKRLVVVGTTSRTLES LYWCGVKMILEEKMGDD DATVLGQHDWKHLEAIMERKGI
KITSADALAAVIGDKSSEDTVTGRTSLMIVPGYDFKVVSNLITNFHAPDSTLMLLVSAFL
GDGKKVRRLYESAQDRGYKFLSYGDACFFSRPKK

>comp8001_c0_seq1; 739 1 3353 LEN=3353; translated

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DANDLTD SMVGVKYIHGGLTHEQGIASQNNYVANYVKRRLCPLSLQHDEESSSESSFEDG
GDVGETMEPE SQPVMETQEPVDLFS PRSGDVTSAKKRTRKRRRRPIVPSIEDCLHDVTKL
KYIDL YTRTLTLNLSRIDGIWKL RDTNRSGAFANSNIAKPAFELFGTTSGTRRPSDQLPR
KFAFEYGEEDGPLATIYQQVFHLELEQLQIDPSIGVGGVIGGPNEMNQPRQRIKVFFYN
SYATTVSEWIKAQQQKEKAKQKVNHTEVLNTNGTSVPSTTTSTTSASTGIAMSLSNVPAI
CIFPRNTDPRNWRERQEVIDYCLCIGDRSTGPNQIRFDSNEMEIRLMPVIGELATTRTTT
AAGCTITNDAREYLNASSELVLSRRALTKEFLSSDDGTTDSRERVAQEATTTGEITNPLQ
ESWAVYTNHRSIRTCTNKTNNGLVVPQPGTTLTAPENIEAGIASQHFSSRSENDPNEPSL
GERNQRQEVPPRSHSPRHNRNGNSEGEMIFKGI AQRI SDSPHVCYPPLAEFLD TVRSSM
TSGRGCNLKVNLYASIVGTTPPKMTKRGDWMI SANLIDESHQTPPV TINIFCKDKKSLPE
LVWMGDVIRIHRASVEVWNGKIQLTGLKPTQYV VIRKNGSNWEAHPTALHQFSFSVSDIN
RSQALWRWARECLKEHQSIKPEHCFTLSDLQKVKKEDDEATFRNRDITVMVIEKLRYPKPS
DVNPQGLLRVWDGTGNPPSDPLFKQSOLLTPESEKQRGKAYARALDQVIRTSQQLQASVD
NMGVPI SLCGCF SNVVWEKAHWDLIDRHIPVGTFLRLRNVMIPQEWQENQSR SIFMCDK
SWMIALPTDNFEVSSLLREHYWRVRGSESM DYNWEF IGGTSVL SHLPGPGFVGNLSRF
QSQGTAGPVVVLFTGAVHVHLCSGKPNDDERLRMATVTD RSGTVRVALTERVRRFLWRDS
GADGSHDRCPDNSGTQATAPRYLV TIRMFVLDGDGGEVGT RRFVLTNLAPLDDPPDAYD
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>comp8002_c0_seq1; 222 224 1408 LEN=1454; translated

MASGCRYQFRGDDYEFDWYQASDAAINGTAKSKFEVIFPRPDGSKDYNLVKGTKTSF DAF
SFYLMGDTPYRGWQEARLTLQISEMKEYVKGHPERNLAF TVHVGD IQKVNRTKCAESSYN
RTSAILTEGVSDSEAMFWWQLIGSNANLPVTCFCTHDCSPLPTLVVPGDNDWYDCPNRTE
SFNFFLKYFGAFETRWHKKDYMSLGIERSKENKELFV FYKEGILFIGLHLINAPLDHEDI
ESWDARMKINKEWMAKNIESYFQKSEIRGVVLLGHCLRSRTRPFFLTVADYFVNI THRE
NLPVVYLHGDGHKWDVDTKLSHQ LHWKHFRDIQVDQGG LADPIIVDVASQKRKGLNVLK K
RSDLELVIGKGMFRIDRQRGKYENPK EVVAGKYI

>comp8002_c0_seq2; 270 224 1319 LEN=1365; translated

MASGCRYQFRGDDYEFDWYQASDAAINGTAKSKFEVIFPRPDGSKDYNLVKGTKTSF DAF
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RTSAILTEGLPTLVVPGDNDWYDCPNRTE SFNFFLKYFGAFETRWHKKDYMSLGIERSK
ENKELFV FYKEGILFIGLHLINAPLDHEDIESWDARMKINKEWMAKNIESYFQKSEIRGV
VLLGHCLRSRTRPFFLTVADYFVNI THRENLPVVYLHGDGHKWDVDTKLSHQ LHWKHFR
DIQVDQGG LADPIIVDVASQKRKGLNVLK KRS DLELVIGKGMFRIDRQRGKYENPK EVVA
GKYI

>comp8006_c0_seq1; 325 179 1432 LEN=2442; translated

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LRTYEVLC DHTSKIGLSVMVEEAPTFV FVCLILNPNVNADILQFVATGRNLHTLFAPTDE
AFFSIPGFAVTAADNDGNPTAINLSNQRQRGILGAHILPSFARVLLNLRCDGFYRTYFDY
FPEAAGNGSYSSRQSTKTKCLNGGTTAQ IGRGNPSYRLPVIGSPSNVFEGLFLRLQPPS
YTFSYSSEGDLSRDVVVCNGVLQVIDNVILPVSSGGQSGRKS GKGKGFYGGSKHTKMOK

YGKDTKKQKYGKDRAQLSFYDPVVDEVIDEELISEASVSGASVLDTSMTLDEYHKQYFGI
GGGNRRDLLFLNYTKKEDESGYGDGRKLSDRNEERKRRTKRLELLGKAEPEEQSN
>comp8007_c0_seq1; 245 265 1191 LEN=1344; translated
MPPTTTRREPFASGVVALESGRRLAYSEHGKADGVPVVFVSGAGFGRSYVPTPFPDLLEQ
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ASPERVVAASFVCPVAPITGSPVDRPAEGILRGCGRFCLLYCGGILDGLFGSVFRKWQA
DPDAYVKDTMARIVA EKDASFMREHPGFFGETYAADF GDAVRAPNGADAMLQDMFHLNRL
PWFGFYLDLAGGRKPPVEVWWDADDTAPHGEWICGQLGIRGRRVEGAGHGLVHSEFGPI
LDELLRAG
>comp8007_c0_seq3; 116 265 790 LEN=958; translated
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KGVLLVTVDRPGYGSDDPHPGRTYEDWVADVALLDHLGLEKARFVAHSAGTPHLLAAVCK
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>comp8008_c0_seq1; 217 213 632 LEN=1269; translated
MGSELSSKKYPILDEMTDFDQDVWRD TVAVPPNGRTRI WVQYKNYTGKTVLHCHFLAHED
TGMMATLFIGPPEEFGAEGSIPGLLLGSGMGLLVGAAFLALAGLLWGGMGPSHRPYGHYL
YSRAAMNELKASAASKTLD
>comp8008_c0_seq2; 731 225 2282 LEN=2919; translated
MRKTLNRPGTALACAAALLLLLSATATTVSAYADPRSSSGSRKTTDFIDCNDPCNGGD
VNYELVASVQTIKLAFGNHTFRGRTFARPDPTTNRVREGGNNHMGPTLTVKPGQSMHIKF
RNELFPEETEGLLPKNVTLYDYWSRLITPGEKIKYEYKYPVDAPELMEVDWSNIPGNFD
WTNLHLHGLDVQVHMFDPVGTHTDPRAPHVAIGPGSCYCYRFDVPEDHPDGLYWHPHLHG
SSAVQLWGGMMGLVKVEGKLMEDLERYNVRDSRDFVIWDPALQSVKDAKPDADHDVEVDE
FLAGQTTL SKIHPFLVNGEITPVFGGVGVGEVLHLRLVLCGTIENENTFIVYKKAPPGEV
DYATYDWEHAVPFYVVASDGVTHGGQPRRREVLVLAGGQREELLLVFDEPEGYVVSQQG
IQGMQFFDMYGHPHDQLLAEIHVEERPGGDRLPVPGEMVFAPGYRPEETIESHQISRT
ETIVFSMGTNRDTAPFPQYYINGKAFSPDRDLDFRADPGEAVEYILVNANHNYPFHIVN
RFQVKQMGSELSSKKYPILDEMTDFDQDVWRD TVAVPPNGRTRI WVQYKNYTGKTVLHCH
FLAHEDTGMMATLFIGPPEEFGAEGSIPGLLLGSGMGLLVGAAFLALAGLLWGGMGPSHR
PYGHYLSRAAMNELKASAASKTLD
>comp8011_c0_seq1; 263 236 1072 LEN=1329; translated
MDDGVDGVDHSRHFPELADSVVANDLNKMTAEQRNIVFDDIHGVRKLRPEETSPPIMLES
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YEYFGVAALMRPIYIDDLGKEQALLREGCQQLPCRDRMGRRIMSRIGNIGGGGSQTP
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>comp8011_c0_seq2; 270 236 1729 LEN=2055; translated
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ACMRINLYFLQEMSNDETTQQFGVVWILLGGFAPGETTFLKEPNVPKTIKFLGCFPLKF
TAIHLCFPKNATYQFASAAISLIAPTFRMRVRVRTHFGSQTEWKYSLMAYGIPADQLPMTA
SGGIKTANHVRWMKTQREREISIKMGLPPFEGVDCPRVMDILIGNNAGQCFRNPNPNTVY
REVMESYFEKYWSASDTQEKTRITWMVLEELSRAGGRILVRSRRGWWSVANPDKAREKIS
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GCINLCSNTAVLSKKPV
>comp8011_c0_seq3; 299 236 961 LEN=1056; translated
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LERMNIAIQGIESKRAFDEASRLNSQYVLRDKQFRVRFLRADEYDVFRAAQRFVNYLDVS
YEYFGVAALMRPIYIDDLGKEQALLREGCQQLPCRDRMGRRIMSRIGNIGGGGSQTP
AVSLFVSFVGFVFCVLCWYGLLMDDDFIGSVLAIVSNSGPRNRGFPVAGLTPKQNSIFP
>comp8015_c0_seq1; 411 178 2106 LEN=2273; translated
METILHKSEPDGASQTRNSVADTVSNGIGFVAFSPPTPNAHNGVHHYPTKESIEQLLRDV
TTSIRGQKRYGVDDDDNYFIYENNNRSSRSNSNDYTLFEGKDDCEEAGEAWADGLVRI
RANDPKLTTLALRKTPWQAGVTVDVGNQVRSITCDPLERRALPWSPLRRLLEITRNTIP
RLTEALQTNHTIRSI SCRYDWKYPKPAHSSHPRLLEDEHEFDGSGEVDIDIDNKNSDGS
NNNNDNNFTRPATINSIVAYKLQERRFFEACVCLPRLESISLTGGNRWKVSHLLTILEAA
KGLRRLTVHDVVHSSSELHGFRVLLGRTRTTHRGDRYDAEEDTPRLSIPLEAIELTIE
DQTRDRCEPYWRDATSSPSGDDDDGGGDEELSPFDELLQALAVSGNLRTIKISKISLSR
IRLRRTPVLDSTTTTLRILAGFQSL SRLILSGLSVQNGAVAAMCEALMENNGHLAHLFEFSG

CAFHQTVGQSGWNALFRLVLRHDPDIHIRASSLVYNHRNQPRRRPGSESDAIHSGYSDEPL
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ASDWIDVMTKVKDDVIALFCILRENPSLCNRSRVAANVILKQ
>comp8016_c0_seq1; 114 1 488 LEN=749; translated
XSTAAIAAPAALSAEAATTTVSLSTLGLVHTVRRGGATDAAINFSRESLALQGLSTYGTIS
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NDDGYRAFKAVTRGYRILGFRCFLLEMISFVVAFTARLYNTLW
>comp8017_c0_seq1; 197 207 1070 LEN=1956; translated
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VPQMSGSSDILKALREKEHEKELLDTKVSRPTYSVLVFNLEGLQHALVSGRGVIDEIAI
FSATSDEFTKRINATIDESIERFQVVIDHIQQDFDNGSNKPPVVRGYVSTVIACPYQGM
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>comp8017_c0_seq2; 341 207 1370 LEN=1681; translated
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VPQMSGSSDILKALREKEHEKELLDTKVSRPTYSVLVFNLEGLQHALVSGRGVIDEIAI
FSATSDEFTKRINATIDESIERFQVVIDHIQQDFDNGSNKPPVVRGYVSTVIACPYQGM
IEPKQVAHVVERMLDLGCHEVSLGDTTGVGTPLSTRRMLDEVLNVAQPFQLAMHCHDITYG
QALANILVGLEKEIYITIDSSVAGLGGCPYAKGASGNVATEDLLYMLHGMGLSTGIDLNKL
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>comp8018_c0_seq1; 225 221 1575 LEN=1928; minus strand; translated
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RNAAVGPVQRQVVVDLFPQEDPLVVRGLVAAAVVAAAAGVVRGDDPELLQHDVPRPQGLQD
RPQVVVPLPVDDQLAQGVKVPPEALGEGAAAADHVSQSTSHRELILVLACSFESVAVAA
ALAVEWLEAREKKXRQMDRPVVSVDGIVGEYQALEAPVAPQSFFQQRLQTRPVHVVPGEVQ
GLERVREGGDRFRQPGGVLRSNVAVDQPQRPEVFAPAEGRKEPPEFGGRRQGDPELDG
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>comp8020_c0_seq1; 403 1 908 LEN=1099; translated
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QMKSLVERLQETLERERKLRALKKEKKKQEELFDDKGSKKISPVANVDADIVVEITSDIL
EKRLDIDAIVNESEIEMRKWVLTVMKEELDVFEKNILSKNPQVNIKEDSGNDKTNECPS
INTIITKIQQALNNNAQDGIKVDHAQGGSVVHWLTSDTYSPPTPSQTLGSVWWSQFIP
QDW
>comp8020_c0_seq2; 490 1 1535 LEN=1937; translated
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QMKSLVERLQETLERERKLRALKKEKKKQEELFDDKGSKKISPVANVDADIVVEITSDIL
EKRLDIDAIVNESEIEMRKWVLTVMKEELDVFEKNILSKNPQVNIKEDSGNDKTNECPS
INTIITKIQQALNNNAQDGIKVDHAQGGSVVHWLTSDTYSPPTPSQTLGSVWWSQFIP
QDWERLFPAGWEKTQATIPSYIYHSLGFLSGDVAPPEAILQKNTLPGSCWPMKGSQGVV
VKLPYPVVIESVSIHVSEEIVPEGRNTVPTRMKIVGYPPCDELDDVCETVGFDDDDPV
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>comp8022_c0_seq1; 316 93 1202 LEN=1704; translated
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YSVLTISLLAQNKLPNGVAMLYSTISALALACHAKTTFDTPGSIPQEAVPREALFRKGI
TTHMCSHCQTYKPPLSHHCRICNRCVSRMDHHCWPMNNCVGANNFKHFILFLCYTWIGC
AFALIVFGLNYFFCNSEECTFDSILISLVRVMTVIAVATLLFVSSMIMNVTYGIMTGVGT
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KQREVNNTV
>comp8022_c0_seq2; 326 93 1336 LEN=1838; translated
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YSVLTISLLAQNKLPNGVAMLYSTISALALACHAKTTFDTPGSIPQEAVPREALFRKGI
TTHMCSHCQTYKPPLSHHCRICNRCVSRMDHHCWPMNNCVGANNFSXVFDVDDQKVYSA

KLLEKQKWNNGSHLAASPDNYSVPYSSRLHEFSEHFILFLCYTWIGCAFALIVFGLNYFFCN
SEECTFDSILISLVRVMTVIAVATLLFVSSMIMNVTYGIMTGVTIDRLKKKANDMVGEG
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>comp8023_c0_seq1; 819 1 2371 LEN=2523; translated
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GGVVQFLYGEDALDPTKASYLDCSDKSFTFMARNHASLKKGRPPLPDTSLKIAARDAQRS
EQLKRNPEQPLQVGFVHARKIRVGSKWVRGAICEGWFDATVVKRHKNNFTDIKYMKGDK
KVKNVPLEVEF SRNKACSNCTCVLKP AISPVLNIAKGTQRIGSSGACVSERIAEKASTI
MRENEELKKAMKSYNISNHEFDSLVAAKFSSALVDPGEAVGAAQAQSIGEPSTQMTLNTF
HLAGAGANVTLGIPRLREIIMTASRELKPTMSVPLHKEVTDSETTRLTRTFTKLTNL
IAAERGVTRETLMRSDSGEWQRAYFVTLKLHPAERIKTAFGLTLQDVAKVVAKTFVPL
SYQMKLELRRSSSDYDGLTVEGGESSNFTQVEKKEEFDNKSKRDSLFEDDDDDNDADD
AVDEEDGVKASRIQSDNYDEDDNDNLSSESDDDEEDDTPPTQVSFLGDSVKIDTKNTI
QLQPLRVDPSSRPLLMIGLVEKAASKTLVRSKKNIDQAFVNEEEGGRGRCLQTAGINFTE
MWKLDNVDSRLMSNDIWA VRCSYGVAAARNTIVDQIRSVFVGYGIEVDPRHLSLIADYM
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GTGSFSLLVK
>comp8025_c0_seq1; 485 1 1626 LEN=2232; translated
QREELIPKEVVSSTVNTMYAPFAEMGDLLRVGIALSVTVSLCTGLVESLSDGLKPQVRPI
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SRNLQTKVMEAGLPAKKVESRAKAWKDPSSSTTYDTLLQLNLEDLVKNAGGAVTEGLVQDG
EVLWYSIMRGALQEVLDNLP TSCP VQFEKKLSDIVPSEDTGTGVICKFSDDSI SGPFDLV
VGCDGIKSAVKKYIDTGKITEGADSGIYSGIRIKFAVQDGDPTLDSNPTTAGLTQYFGDG
GYGLSGVYGNKGSAPTKCAFMVSLDDDIIGPFKKKGNSTEAADENVAWTQDARQSI EE
GKSNMLNQVRCRDLPDFELGPTITNADRFFELGVYFHNPFSLKGSKELPDGSAVLAGD
AAHAMP PFLGQGANQALQDAVSLASKICHYNDIAQGRWTPPEIAEGEEEEEPKSLKILLK
EYEQRRWFPTTSITVKSALIGYLETGGFDGFYSKFRDVFRTMGIIGVAKKVLLDAATPK
L
>comp8026_c0_seq1; 333 107 607 LEN=864; translated
MKLSTIILALSLAFGAEAFSPQANKAANKPVLVDLKAAMNTVAAIAIGSSVLSTPVVAD
AMDMQPVFSTTNIVARTETREGLYQDYQVEVEEQTLDDARSTFKSAKETKSKKGYTAIL
AILVVG SFIIPMAQYFWYVRDDSSDRFFQAEIPEPEPPKKKGFV
>comp8026_c0_seq2; 246 107 565 LEN=591; translated
MKLSTIILALSLAFGAEAFSPQANKAANKPVLVDLKAAMNTVAAIAIGSSVLSTPVVAD
AMDMQPVFSTTNIVARTETREGLYQDYQVEVEEQTLDDARSTFKSAKETKSKKGFRTAL
YRSSSRMSFCSTTWQVDLAGLSTNCVISIPHS
>comp8027_c0_seq1; 175 1 681 LEN=1473; translated
PGGARMVAI LPKHGEKLLTTFIIFSVLVVLQSRALSVDNHASAKLARKLSSTRQEGNR
NEFSRRDFLVGVCSASSSTLLLT KPAGAADGIPKSDGDTRDALLCHPSKEQMERLSETR
AQIDMAVQASSVQAFQSAFELVNDPLLDASALSSLENLSCENNP SLKRFAEKGI ISEF
LLTVAKMQETLGS GSKLT TEDAMTV MRYGTSARSTLDSFFSLYPP
>comp8029_c0_seq1; 262 241 618 LEN=790; translated
MAEAMASLARGKPLNALEFTANEESTEAVSLSGLKVWTTLP IWN GTDLETFCPGSPKIE
IRIVSEAE EQGLQPN SGLPTYGIALIVVFALLAVGVSLFLFRVVKEMNGDPMFSPIVKE
GGASA
>comp8029_c0_seq2; 629 416 1849 LEN=2021; translated
MVNLKIPPLFFLFSTAKAVMPV GITNCHYSQWFDKPPERVAVASSGAVEIMLAMGLSDK
IVSSAWVKEVWEPLTEDFNKFHYDKYPSAKELMDSEPDMIYATYSSAFEDPTDPGRV
GDRLNFTEALGLKEPCNVLI PSNSYGENKTYCRDEIHEAGINTYLASSYCEYADYRPGEV
SVDALYQEVWDLGII FDAIDNAREMVDGIEAHFEQALAI SQALGSDANPIRVF WLDGFQ
KSKPDEKRPFV GACCGGPQIVLEKAGAVNVFSEQGLEDRRIWDRVEWDEVVKS DPLIVL
IDLSTESA EKLYNL CADPVLREMKAVQERQFLVMPFAASN VGVRLGAAAYNMAEAMASL
ARGKPLNALEFTANEESTEAVSLSGLKVWTTLP IWN GTDLETFCPGSPKIEIRIVSEAE
EQGLQPN SGLPTYGIALIVVFALLAVGVSLFLFRVVKEMNGDPMFSPIVKEGGASA
>comp8029_c0_seq3; 569 211 1648 LEN=1820; translated
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KIVSSAWVKEVWEPLTEDFNKFHYDKYPSAKELMDSEPDMIYATYSSAFEDPTDPGRV
NGDRLNFTEALGLKEPCNVLI PSNSYGENKTYCRDEIHEAGINTYLASSYCEYADYRPG
VSDALYQEVWDLGII FDAIDNAREMVDGIEAHFEQALAI SQALGSDANPIRVF WLDGFQ

SKSKPDEKRPFVGGACCGPQIVLEKAGAVNVFSEQGLEDRRIWDRVEWDEVVKSDPDLIV
LIDLSTESAAEKLYNLCADPVLREMKAVQERQFLVMPFAASNVGVR LGAAAYNMAEAMAS
LARGKPLNALEFTANEESTEAVSLSGLKVWTTLP IWNGTDL ETCFPGSPKKIEIRIVSEA
EEQGLQPN SGLPTYGIALIVVFALLAVGVSLFLFRVVKEMNGDPMFSPIVKEGGASA
>comp8030_c1_seq1; 140 302 616 LEN=616; minus strand; translated
MRSPTIWM DPLRSRPLQFRLLKRM AKVLVRFGETYFLSTSSQVSPSSSGDAKHVAWMGII
LVTNLELGAALLESPASMSDMI ALTAAMGSQGGGSEGGRPGGPPP
>comp8031_c0_seq1; 663 179 2057 LEN=2147; translated
MLPPPFPLYSPDSIILV LGGVDIGNPLFFDL SPLCSLPLPAIFLSLLSGGAFGNSTGLPI
TLLTVIHSNFGASSALGSVDPTLFLSVYLVLYPV LQWIGGVLLAPPE SNDRKMAGSGRE
QSGDRSKNKGLPMSTPPSTRMIESGEYNGGGGSM AHQQGPTQQQETQQYIYQHTPLTER
QLSFKSTIKKSIKDAGQKTKQTLANNV VHNNTTEMPETYRITHRGLESTDASMYWSVQENL
NRWGKPLWAEGRKGSFYQFGGSGGSSNDHGVYSNSDSGCNIGMDLSGRESIPEEEGHSAN
DGEVYGVGMDLSGQDSIPEEDDDNENIVTTTTFENC DIPPYQAASETTSLLGTTHADATPQF
ASNSDGTGGEPGSTPLTRSASESSTSSGNSSSQQLLDTFLTVAKRCLQPPVVAALLGLL
FASLPAIRGVFVDIVDRNGTAPLQWFFDGLYEAGKAAV PINMIILGCNLSASYMLETAKK
GGGCGSGGGANREKRHGFSTRTLLVVF GKMVAMPVVGMLSTLALDQIYDVPHDIAGGL
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TGAVLMASYMASRAEAQAAEAGILG
>comp8031_c0_seq2; 812 375 2498 LEN=2588; translated
MNNNSDIYGTVVATFLASVKS VGTACTLASVGIY LHQRGFVVGNGKRTLALISQQVTIPL
LFFTKILYCNQD WSEDPCPDVTSSLRD VWILAVWPLWVCTMGICVGHCVVRLAAVDSNTD
SLHQ RNSILAAVAFGNSTGLPI TLLTVIHSNFGASSALGSVDPTLFLSVYLVLYPV LQW
IGGVLLAPPE SNDRKMAGSGREQSGDRSKNKGLPMSTPPSTRMIESGEYNGGGGSM AHQ
QGPTQQQETQQYIYQHTPLTERQLSFKSTIKKSIKDAGQKTKQTLANNV VHNNTTEMPETY
RITHRGLESTDASMYWSVQENLNRWGKPLWAEGRKGSFYQFGGSGGSSNDHGVYSNSDSG
CNIGMDLSGRESIPEEEGHSANDGEVYGVGMDLSGQDSIPEEDDDNENIVTTTTFENC DIPP
YQAASETTSLLGTTHADATPQFASNSDGTGGEPGSTPLTRSASESSTSSGNSSSQQLL
TFLTVAKRCLQPPVVAALLGLL FASLPAIRGVFVDIVDRNGTAPLQWFFDGLYEAGKAAV
PINMIILGCNLSASYMLETAKKGGGCGSGGGANREKRHGFSTRTLLVVF GKMVAMPV
GMLSTLALDQIYDVPHDIAGGLYLVLLIVFLCPTANNVMVMVELSGGSGIGNTSGGGSMK
ESMAKVIAYEYALAPIVLSMTVTGAVLMASYMASRAEAQAAEAGILG
>comp8032_c0_seq1; 735 1 2247 LEN=2442; translated
KNPNNPFATEDDSAP EDEGNDEPSSIPV PENPNPNPFATEDDEVPQDEETSLDACKAVNN
NGESLSIPVPIEDGEKPEGSNSSLCSTTFPPKNAEDRSTKSSEHEHENC DTEGSNDCKST
TTDEASNTKSGISSRRSSPRRSPRAATAP TLTETASEDRIFVKPRVATVKLQRMGKHK
FDALITDWEELVTQASEGRIPDGLLKAPLLTTREPSDEF GMPSDGHI FTDKETDLLESKS
VETIVTKAKNATNPATASASTSGDGSLSLLDN RVANS LPEHVWKDDGSVLSL GASRDGV
VAREKPNKFQLAEENC SYDGPDS SRGMKV FENLELYFESFVFPKSAPDLPIDVLEEM EED
EDDWQLVTMCHPRIQLWPDDRRLLEKTPMAALMENAR IANRERFCRVWEEEVVPCGRPA
LRLP PNRIRLGFHGDRLFEDANVVDAYSECRRVLLCLSSKALYVMPDRDEV TANHQQL
ANKKGRFP LPLDRDRFRDAPWPHAVARHSFGDLEAICIGFEFQRLTLFRNPG LPGSDP
FVYVLLS GEKRATVRILSEIQK LAKD WSENRSMAIGRSPATNLERPSVSIENDADVMDG
LGGVLEKGRAIGTILHFQILRQQWKHGDRGT VRRVLVITETMLLLLD EYVSDGHDLSEV
SPSSSSASAGERRTSATADAGYRLVDDAGLSLVSEVLAAGSDPRAITIVIKPPSKLSRTR
RWRLVCRDREGAEKLVEDARKALERFEA
>comp8033_c0_seq1; 881 232 1797 LEN=1797; translated
MRIHPSALASFLAVASVVPTVAFVGPLTGKQIKPSVSN DSTKHGILKKLKSIVARAS PAT
ARLHMGENDEGEYGYGYDRDYDHGYDHYDYDGHEHSYNNEYLAADATGYNDNFE GSVY
QEEAWTPPSFTLADADTSQQAPEITSP PQQESGSSPETTTASLTPTSETGAGVESILST
ISASPSLLAQASIGTAAFGLAAARNVLSQRQKLDDEKRTLEEQQKRIETETAKLNAET
SQNNILLSTAGSIAVGTVLTAGGVVEEFSGSAIKSLEGI GANTNLENGIKD TVKGGGFKT
TAGTVAERPVLKQQELPYLEEKIEKEATKQQATNVLNRNRD KLSVKQNELEAMA AKREAA
IAEEEEARLKAIADEEERLRVEEQ LRRKVLAEQNEATRLKKEAEAEIARQKKAEEAEAE
ARIKAAEEEEAARIKAAEEEEARLQRAAEAEAEARIKAAEEEEARLQRAAEETE AARIKAA
EEEEARIQRAAEAEAEARIKAAEEEEARQRAAEAEAEARIKAA
>comp8035_c0_seq1; 613 1 2107 LEN=2228; translated
XGTMEDFN RKENGDDKQYDGIWIGIDLGTSNSTCAVWDS SRGGAKWVRLPDITESTSSKA
GRIMPSIVRFPNGCDDPLVGF PALLKTSVAENSGDSTKCGKSSVLR SVKRLLGKRYDDL
PSWLETLD FVDRNPSEYGDNDDRDQSLQLIPRVGKSFES ETIAITPQDVLAL ELKAIRTA

CQSYLDKYRLSKSLKVPGGGEDETTNYTVDNVVGVPAPHFHRHIGLVKEACREAGFHGY
VGTCLRESTAAAIAYGLTLQERKGTWTPGSDSSASMKINSTNRKGGPTFMVVDMMGGTTDI
TIAIRREKLQOYAKSSPSLDEDEGASSENPNSSSFRVLVTEGDDGLGGDDIDEAIMEYYL
GQVVSKEKRSNDNQNKREMNKTRSDSLKLACRKAKEKSLCSLEDSPSVTVGTEGQVEISR
EVFDTIILEPWLRRARDLIMKALDCLKKAPTMPGVTVDEVILVGGTTRIRAIRHMIQNI
PQIELSLSLNPMSVVSQGLAIQAAILSKQIPIHELKSAMMLDCVPHAIGVQLQPNGGFVE
IIPRNALLPAVGSATFVLADKYQAGVSIRAVEEVGPDYELMSKEDFSFVLRKLSSAQFE
NISERKIQVGMKLDNDGRFIVSIFDENDPEQVRKRDRFERIQQGEEIVGELDYIKDMILA
DSDGITNEQITLVVALISVFVLYVAVKMAFADPLEHGNAILG
>comp8036_c0_seq1; 197 68 781 LEN=891; translated
MNVTVDYRDGSHWEKRTKTNASRNGNDPTNAGDKEQDGDGGSETIYEWFRDTKVCYSRFS
DNFKNPPRLEENRGMPPGTTAERRRFAELLEEGDFCDVWREQHPNGEGGILGRGTHGNE
KGGPPASPWDLPNYTWRGALSRDPAGVARYQGRGMLDYFLLSPSRLGARAFRGGGASCS
IRHGSLREGLFCGSDHCAVELLLGRGRTSGGPRDEPPHARGGTDDDRPELDGALLV
>comp8039_c0_seq2; 418 1 1612 LEN=1864; translated
YEQMIYTTQFRGLQGLIPNVPNLSNSRDPPIIYGDESQGFHVLNHCFLRKSFLASQISNS
LALRHDTGYRFFTLERMDTTISAVVPSLLMSKSSSKTINVGPLAVKMLECIKAVHETKNV
IRDVKTENFMLTLDKGATGSTPEEKLASRIRLIDLAIATQWTTMYCETDEGGDLIGTPLY
SSLNVHSGKTSFRDDLESGLYVIAEILMQLYSGDQSKQLPWSSGKSDEDIGSMKQSLVG
DKESFYRQLGNTKTTEVFLEYVSVVRGYSFKKLPDYDDLRSILSKLTVPRKAMNSTTKK
TAATKRTRNNKSPTNEDYVSPPKIARRSNRRKAASMIIEDEEGCPKNEIDDETVYADAHQ
ELHDMWEHCVDENEYPVEDSKPRTRSRAGRDPAPRRERTTKSSKAATKNVIDNDGKGRE
RMPPRELKRRGVRIVCTEGPHKGYIYEMEAAGVNEIITIGSKPTSKVGELCSLKNKLNKLG
THVRLDLDMMNRRLIAVKVTDKSNKTYVNRDAVKSTKAFINDVITIGETSLAIKAL
>comp8039_c0_seq3; 444 1 1521 LEN=1773; translated
YEQMIYTTQFRGLQGLIPNVPNLSNSRDPPIIYGDESGYRFFTLERMDTTISAVVPSLLM
SKSSSKTINVGPLAVKMLECIKAVHETKNVIRDVKTENFMLTLDKGATGSTPEEKLASRI
RLIDLAIATQWTTMYCETDEGGDLIGTPLYSSLNVHSGKTSFRDDLESGLYVIAEILMQ
LYSGDQSKQLPWSSGKSDEDIGSMKQSLVGDKESFYRQLGNTKTTEVFLEYVSVVRGYS
FKKLPDYDDLRSILSKLTVPRKAMNSTTKKTAATKRTRNNKSPTNEDYVSPPKIARRSNR
RKAASMIIEDEEGCPKNEIDDETVYADAHQELHDMWEHCVDENEYPVEDSKPRTRSRAG
RDPAPRRERTTKSSKAATKNVIDNDGKGRERMPPRELKRRGVRIVCTEGPHKGYIYEMEA
GVNEIITIGSKPTSKVGELCSLKNKLNKLGTHVRLDLDMMNRRLIAVKVTDKSNKTYVNR
DAVKSTKAFINDVITIGETSLAIKAL
>comp8040_c0_seq1; 223 1 716 LEN=1307; translated
XDDGAREVVRETFHLVPTETEMDVVRIVEAGAPASPDGPCNEPKNTEPQPPVHSETTNTG
AGDGALPSPVHPAPLRDRRSFPAHRSGDLPARTCLVVDKLRRLPWSLAKHCGSFVHVP
ANYQARDTGGSMLEASVSIVFHELLGCETPRRGYSGEDSWASGGAGDPSSSSPSSSGY
EGQKYNVERVYKGGDPGDERARQKRKEREKLELQTEAEPRPSLFGADTNDGDY
>comp8041_c0_seq1; 157 226 771 LEN=860; translated
MIGGIFDAFFGGGTDAEITDVTYFDLTIDGADAGRVMGLYGSTVPKTVENFKQLCCKTK
KGDGYKSSFHRIIPGFMCQGGDF'TNGNGTGGKSIYGRTFEDENFDLNHGGVGTLSMANA
GPNTNGSQFFICTAQTPLWNGKHVVFVKVTKGLELIKKEVAYGTDSGRPKATITIIDCGS
L
>comp8041_c0_seq2; 116 226 618 LEN=1408; translated
MIGGIFDAFFGGGTDAEITDVTYFDLTIDGADAGRVMGLYGSTVPKTVENFKQLCCKTK
KGDGYKSSFHRIIPGFMCQGGDF'TNGNGTGGKSIYGRTFEDENFDLNHGGVGTLSMANA
GPNTNGSVRL
>comp8041_c0_seq3; 116 226 618 LEN=1102; translated
MIGGIFDAFFGGGTDAEITDVTYFDLTIDGADAGRVMGLYGSTVPKTVENFKQLCCKTK
KGDGYKSSFHRIIPGFMCQGGDF'TNGNGTGGKSIYGRTFEDENFDLNHGGVGTLSMANA
GPNTNGSVRL
>comp8043_c0_seq1; 119 85 309 LEN=1028; translated
MPWQSMASLGVIIITMFNVVPALNAGVQYLGYGKKKELGLTSNEWNRYMSKRDAAYEQHAA
RVRAEMDKLRVQKS
>comp8044_c0_seq1; 281 100 894 LEN=1919; translated
MNSFTNREEEHSVRSRQESPISTNRVTRLTIEIPNDIAALQGVILAKFRDATLPFYVVV
TELLYFIRFLASDDNQTALLEFSIGILLFWILSSNAENIISLFMDAFLIFSEIQEVPI
PSSASKITKIYDVFALASLNGVGNHSHGNNSTFFNGRNRGIIYREEYGSDLSSSSPLES
DYMHSMLPSLISPTAFMVIGPFAVIALTCVMADNKYHLFATTFAPSVDVSVLGRARSFLSP

FSSSQEDSQHRRIPNDDDETSEGLW

>comp8045_c0_seq1; 772 130 2184 LEN=2570; translated
MEEGRQQFPGSDTHGSDVVRVPSDGKRPSQHGNNEGGRRIPSYQSDQKDRHEIYRERLGD
SGGHGGRREEPSNRGYRTKEPPLRSLSSRRETPSASHQRGNEGGEERRPRNNDGCHDSR
RANPAVNARRSWGDDHRRHYRDHSGDYNHNGGDTNRYDSRRRYDRHGDGEHEHADDRYRR
DSVGRGRRITGDGRDQRYGDRYDEFGRRRGRGRS IDDDDFCYGDKGDRRKRSDSGYCSDEPF
ERSRRDGRRTSAGRRDGERPRRSRSDYKTDGDYDYDRDRDSSDNDNCEETS SKKREPKEK
EREWPPSFQKDGSAFTFDTRSAMFYEPLSDFFYDPKSKLYYGNKKSAYFRYDVAEDPPFV
QVKKMTAEVEEQHRGDGGGFSQEKLAVSDRASAVVSKPKIAIKLTKKVKSSKATANTE
GSNHQPAGTIVSRAKQEQIANIGKWTEKQAEKQTEPGADTSRTAPPAPRQEGTDTASP
KVRTTAKGEPICLLCKRKFPLAKLRLHERASELHKKNLQKFKREKKRQONDASAKRKP
GSEASAAGTNAAPVANETVYTDRAKKRRQLHGVELCASANGLPSLGRGTGERKEPPPDLPS
PAQAPGSDLFQESNVGKQMLQKLGKFDVPPGNSNPPQQEQEQQTMVSDASTKPRTTNEH
LRKEWDRIEALAAAKSKSRYPKSH

>comp8045_c0_seq2; 718 130 2327 LEN=2713; translated
MEEGRQQFPGSDTHGSDVVRVPSDGKRPSQHGNNEGGRRIPSYQSDQKDRHEIYRERLGD
SGGHGGRREEPSNRGYRTKEPPLGRCRDGLLLQATREATKAAPKNEDPETTTAATTLG
EQTQQVAAKITKQEHTSFIFLQSLVSSNESHSLSLRFIXIAPVTQLSVCFLCDKKNARRSW
GGDHRHRYRDHSGDYNHNGGDTNRYDSRRRYDRHGDGEHEHADDRYRRDSVGRGRRITGD
RDQRYGDRYDEFGRRRGRGRS IDDDDFCYGDKGDRRKRSDSGYCSDEPFERSRRDGRRTSA
GRRDGERPRRSRSDYKTDGDYDYDRDRDSSDNDNCEETS SKKREPKEKEREWPPSFQKDG
SAFTFDTRSAMFYEPLSDFFYDPKSKLYYGNKKSAYFRYDVAEDPPFVQVKKMTAEVEE
QHRGDGGGFSQEKLAVSDRASAVVSKPKIAIKLTKKVKSSKATANTEGSNHQPAGTIVS
RAKQEQIANIGKWTEKQAEKQTEPGADTSRTAPPAPRQEGTDTASPKVRTTAKGEPIC
LLCKRKFPLAKLRLHERASELHKKNLQKFKREKKRQONDASAKRKPPEGSEASAAGTNA
PVANETVYTDRAKKRRQLHGVELCASANGLPSLGRGTGERKEPPPDLPSPAQAPGSDLFQ
SNVGKQMLQKLGKFDVPPGNSNPPQQEQEQQTMVSDASTKPRTTNEHLRKEWDRIEAL
AAKSKSRYPKSH

>comp8050_c0_seq1; 359 99 1030 LEN=1344; translated
MDLIALIEDSTDDDDSEIKSYSDTGDGNQNDQTTNGEHNASSKIRRKRTDKVSHEGRAKV
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NVAALQNFLERRGISGTMIHEDNLHLSLSKHFSLQIANIEPFARRLGELLQNEPSTSLHV
ETMVEPCHESNLVHGEFVGEI IDDXSAAKRRKDKVVFLLIGNIEESLNKTKGEYVHSRLD
VDSERYFQSPSNVVGASII GSKNERGVGDDDDDDDDSEQTVYILPVHHECTLGTKEY
IIPLRITCHPF

>comp8050_c0_seq2; 389 99 1151 LEN=1465; translated
MDLIALIEDSTDDDDSEIKSYSDTGDGNQNDQTTNGEHNASSKIRRKRTDKVSHEGRAKV
IRRGLIDVSSSKARDSRVFSRSIPHRRGHWAGHVKIPILMASSPSENDLEPLRKTTR
NVAALQNFLERRGISGTMIHEDNLHLSLSKHFSLQIANIEPFARRLGELLQNEPSTSLHV
ETMVEPCHESNLVHGEFVGEI IDDIVLLNEEKTRSFFCWRVRPNVTLRIVAHVDAILKR
YNQPVYYQPAHFHISFASFAGNIEESLNKTKGEYVHSRLD VDSERYFQSPSNVVGASII
GSKNERGVGDDDDDDDDSEQTVYILPVHHECTLGTKEYIIPLRITCHPF

>comp8052_c0_seq1; 244 479 1288 LEN=1793; translated
MIQDPSISEAVNLTFGFPSADSSTSLKQACKLLLAHSSSSKHSKNNNSNNSNKESTNAAD
AIDGVNDEAKGTNLNNNSITNSRTRLDLFLPIVMPEDMRVLACITYTNILEHLVTHFRET
RRLFDDSIYDLKIGTYHEHLVKVGPDESARALELMHEHELSALPVVDVATDRLIGVYSR
SDITFLTRATDAEDAVANLDTLSDVLEQQRTDVTTTPDAMHSCSTAHTLQSI FEYFAQLR
FNRLFVLEDESERLVGVVSARDLVEYFMID

>comp8052_c0_seq2; 244 479 1288 LEN=1772; translated
MIQDPSISEAVNLTFGFPSADSSTSLKQACKLLLAHSSSSKHSKNNNSNNSNKESTNAAD
AIDGVNDEAKGTNLNNNSITNSRTRLDLFLPIVMPEDMRVLACITYTNILEHLVTHFRET
RRLFDDSIYDLKIGTYHEHLVKVGPDESARALELMHEHELSALPVVDVATDRLIGVYSR
SDITFLTRATDAEDAVANLDTLSDVLEQQRTDVTTTPDAMHSCSTAHTLQSI FEYFAQLR
FNRLFVLEDESERLVGVVSARDLVEYFMID

>comp8052_c0_seq3; 298 339 1538 LEN=2022; translated
MDLHHQQQHLQHNAITGADNLPVGP SLQLANESEVVRKAGRQAI SAFLDSHNCFSVLRAS
GKVVFVDTRIPIQALAFYALVEHDMQAAPLWDPTQCRFVGLLKVTDFIDILRHFKRTNGDV
GSLATRSIANMIQDPSISEAVNLTFGFPSADSSTSLKQACKLLLAHSSSSKHSKNNNSNNS
SNKESTNAADAIDGVNDEAKGTNLNNNSITNSRTRLDLFLPIVMPEDMRVLACITYTNIL
EHLVTHFRETRRLFDDSIYDLKIGTYHEHLVKVGPDESARALELMHEHELSALPVVDVA

TDRLIGVYSRSDITFLTRATDAEDAVANLDLTLSDVLEQQRTDVTTPDAMHSCSTAHTLQ
SIFEYFAQLRFNRLFVLDSESLVGVVSARDLVEYFMID
>comp8052_c0_seq4; 298 339 1538 LEN=2043; translated
MDLHHQQQHLQHNALTGADNLPVGPSTLANESEVVRKAGRQAI SAFLDSHNCFSVLRAS
GKVVVFDTRIPIQLAFYALVEHDMQAAPLWDPTQCRFVGLLKVTDFIDILRHFKRTNGDV
GSLATRSIANMIQDPSISEAVNLTGFGFSPADSSTSLKQACKLLLHSSSSKHSKNNNSNS
SNKESTNAADAIDGVNDEAKGTNLNNNNNSITNSRTRLDLFLPIVMPEDMRVLACITYTNIL
EHLVTHFRETRRLFDDSIYDLKIGTYHEHLVKVGPDES LARALELMHEHELSALPVVDVA
TDRLIGVYSRSDITFLTRATDAEDAVANLDLTLSDVLEQQRTDVTTPDAMHSCSTAHTLQ
SIFEYFAQLRFNRLFVLDSESLVGVVSARDLVEYFMID
>comp8054_c0_seq1; 576 1 2161 LEN=2389; translated
XVRCLLPALWVPQSDPIHRAPTRTDPYESSSWKGTTPPILPSRRAANSSASPNPWARRKQ
RKRRIIPVVPVRLAGGGEHECERQHEHSTXSPPPTPSARPTARTPLLATLLAVVVLV
IRSTTTTTAFPTPLRPRAFGRSHPPNSGWEPNGHWSLPRTKRFLAGPGAEDVREKEKPP
PPATESTPAPDSEHQHGERDPGGFSPDSIGGDLFFFASPAEQHTNTGTTDRSLSRD
AFRYGAVLAGAAWATGVAYTQTAELEAPPKRP SLIPEPVLPIAGNSNNNNNNSSNNNKA
PEAKQPRQEPKATTAAPASAPAPSGDPLSVKSPSQSTVATGRLESVNLTVASETNIN
VTMNCCKMCLSDSSNFTFTKVEKPKVPSWLP SFLAPKSQVVKKYSNAELLVAATAAGSV
CEMGRTSLLYPLSTIKTRLQADRHD TASDLRPGQSFWEQVQTLAANVKEKAESGNLYAGI
SPTLLVSVPATGIYYGARDVTKRMLYFANTPLDATSIALIGALVGDVVSLCFRTPSNALA
IRLQARSEAAPGDWLGESLERLPVILITDLPYLLSKIVLNKLFIQGSLVDPYAGYAVLA
AVLAALLTTPFDVAQTRILLEPRPVPQGERAPGAASATEESTGGAAGLEATLDAIAPGRP
DRGLVQTMVRIANEGDGGVRNLFSGWLERVVYLGIGRAWLEPIQLVEYIGIRDAVLEWF
>comp8055_c0_seq1; 349 281 1879 LEN=2017; translated
METRGALRRAAQQQQAEEELTQDWLQRQGPYAVAAMAQIQQNRIDIRNSETGHNESEPRL
VARATDSTFAGLSPFHGASDTNIREGNQHNRQRSKSLLSFDDNHLKRSVHPNSQASLS
SSEIPVVRQRRMTRARARELQDHAVANLFQTVIELVVFESRYLNWFEFIQLRVNRSCLAF
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GNGATTNSTSIDTNHQKIAKQQNRVWDQECARPKPDFVSCIDILMSNGVLSWRERGGIR
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RRPPVWYADAFVKGQHHPYTTSYVDSLATIISEHCLPATDEVICHFLRTRCYPSSDSQNL
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>comp8055_c0_seq2; 319 281 1818 LEN=2173; translated
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WYRKREVAGPWKEILKEINSWNGTNKCHRCEQVLLQSHRSLCVHKMCDTIHRKTEDKNL
GNGATTNSTSIDTNHQKIAKQQNRVWDQECARPKPDFVSCIDILMSNGVLSWRERGGIR
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>comp8056_c0_seq1; 947 148 2517 LEN=2851; translated
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TLLKGLGFNTLTQTCDELSGGWQMRV SFAKLLLSKPSLAMLDEPSNHLDRSARAWLANYM
KNYDAGAMILVTHDVELLNACEHIAEITSGGSLQIYK SCTYDQYLQQRERAYAAAATEYE
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RRAVDLVEHARSGDDGDLYITDEEARNV LGGGLGQDKALRLVGQLSGGEKARVALAMF
ALKPSNLYLLDEVSNHL DVECEALSEVLSDWGDGKGSIVVISHDKAF CQQVGFTHVLT I
TDEGTLKMEQRNTNDSWDSSVATFQKSRDDATDSSNEGGE SAVVDKELDAKRRKMAYNA
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>comp8057_c0_seq1; 334 1 864 LEN=864; translated
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>comp8057_c0_seq2; 508 1 1263 LEN=1570; translated
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DLLTNILMFHTIGDQILYSFDLECKEVIQMDNGRDSRTVCKDRNIYQKGSNSRSDLPQI
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IDVVSPTPAPVVPPTSAPVVEAETIEPEECKSIDELVCSLPDFSILCDALARTGV ESSLK
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>comp8058_c0_seq1; 282 16 711 LEN=1494; translated
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SSRSIPPLRYCSCR SFLEKSTKKASASIPDQTGSDTGVD RHNYSNDENHQD GPPICKHLL
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>comp8059_c0_seq1; 1048 80 2665 LEN=2915; translated
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SEGTNDGTGLTRTHKQHHRIVYVPQITALCAQVLK DHRVYNPSSPKGSSSVSVCSLQLDL
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HANFTSRET KDLNEIHTFVKQIPIFTQSLRSLTNHIHLAELIKATTEDVAFRDQWNSER
AMIEGESC YDILEERIFENYPPYKLLRLLCLQSLTSGGIKANRYDQLKQYIVQVYGYEFL
SILHDLETMGWIKKMEGNLATNFVMSANRSLFQNIKRNLIL IHAEVNTVKPDDVSYVSS
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>comp8059_c0_seq2; 1048 80 2665 LEN=2968; translated
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SEGTNDGTGLTRTHKQHHRIVYVPQITALCAQVLK DHRVYNPSSPKGSSSVSVCSLQLDL
FPLETDLISLEYEDTLKEAGNVGGTPSGMIETT SRALRKLQDAVGRI P RIQSLGIWGE EV
LAKLLNETVDERYADEKEENGEEKISEDEENDGDE DADHDFENDDNGTAMMLLDRRLDMV
TPMVTPLTYEGLLDEL VGIDCGF IGIAEQI INPSEDEEESGDGKKK KEDNKKSNPFETD
SSPTTSSNPFDD DAPDAIEDTKIVTLGVHAGDSLFAEVRDQHVEQFGSFLQNAVALKES
HANFTSRET KDLNEIHTFVKQIPIFTQSLRSLTNHIHLAELIKATTEDVAFRDQWNSER
AMIEGESC YDILEERIFENYPPYKLLRLLCLQSLTSGGIKANRYDQLKQYIVQVYGYEFL
SILHDLETMGWIKKMEGNLATNFVMSANRSLFQNIKRNLIL IHAEVNTVKPDDVSYVSS
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>comp8060_c0_seq1; 182 43 240 LEN=501; translated
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DDGSL
>comp8060_c0_seq2; 217 8 220 LEN=481; translated
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DWNPLDDGSL
>comp8062_c0_seq1; 713 193 2544 LEN=3095; translated
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CPTLTTRLLTREFKPTKSQRKVLKMKMNILRPSLREKETTATALPMMIRSTLASKKQKKL
HGQKQKLRNAKAVFAPSNSDDSDHPELET SKTSSSYSSSLVEQIEENNILRKLEEAATKA

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KDIHIESNQYCITIDTLP AHRSA LDPDVHRLYIHYQHAVHNDPNPFS DNPNDVNINTDDS
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QFLVEAPFPLQDVSTTRHNYPKSDDNVTQQPHHSWFKENWNLP CGLYHQHYRLGGELLI
AVGVIDVLP TGLSSVYLFYLP SFSQELVALGKYAILKEIEFARDVLKVPYYYLGYIESC
QKMRKYAEYKPTQMLCPKYHDWVDATIAIEKLQRTPRHVCPLIEATPKTEEKSKNANEIR
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KLT

>comp8062_c0_seq2; 670 193 2163 LEN=3197; translated
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ISRDLAQVQVQLMKEDDVL SILHSTNSQSKRAIP SINCSCFSFASLEAHLPSGQI ICTI
EGKSHEQRTEIKRRVDTEEDNTIASDTEMKDSKEKGSFSFKHSTGADSGKLSRWYKKTG
KDIHIESNQYCITIDTLP AHRSA LDPDVHRLYIHYQHAVHNDPNPFS DNPNDVNINTDDS
NSDEDEEELKLDSDDPSEL DWGHAPTYFTDKISSMLTPYIQSLQSKESRRAVLSNYYSFY
QFLVEAPFPLQDVSTTRHNYPKSDDNVTQQPHHSWFKENWNLP CGLYHQHYRLGGELLI
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>comp8063_c0_seq1; 385 505 2103 LEN=2510; translated
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PKTTGILASLVYGLGLFLCGIDDSKFYLFWIGFGLVGAARPGIQLPTIHLANLFAYHGSR
TKGTGGEALYMSCQAAAFDAGTAIFALFHYCHF GFGWKSSIMFRWYLLVPLYTLVTAIFV
WPNEVLQKPV DHTSHEAESSSSSPLSPTSSFSAGDQKHKS NARLLGNKSLQQHSQVNAPF
SVVLRKSAFYALATWVGIIHFQ LNFVVATINDQLERWHGPKGTERLIQIFGTILPFGFLV
LP IVARILHTDPTVALQVVNLI GLLFGAIMALLPGSYWLQILVVFPAVAVSRQM VYSTLF
HTIGRVFGYKHYGVIFGLTNMVASL FQLLQTPMVEWSENSV VAGDP SHGNYGPSN FLLWI
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>comp8063_c0_seq2; 358 1019 2278 LEN=2685; translated
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LVTAIFVWPNEVLQKPV DHTSHEAESSSSSPLSPTSSFSAGDQKHKS NARLLGNKSLQQH
SQVNAPFSVVLRKSAFYALATWVGIIHFQ LNFVVATINDQLERWHGPKGTERLIQIFGTI
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MVYSTLFHTIGRVFGYKHYGVIFGLTNMVASL FQLLQTPMVEWSENSV VAGDP SHGNYGP
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>comp8064_c0_seq1; 574 124 1878 LEN=2217; translated
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GGSS LADAERIDHVS KLVDQIETHGYRPRAVVCSAMGKTNNLLGAGEFALEGRV SIDA
IRTLHHNAMDKFGFAEDCHTRS DVDALLDECEQMLTG VKMLKELSPRSLDQLVSYGERCS
VRIVATRNLNQLGVPAQSFDAWDVGVI TDDNFGDALLLPEHEEAVRKA FHRIDPGVAVVT
GFI GHDPDGRITTLGRGGS DLTATAIGAALNLDEVQVWKD VDGILSTDPRVVPNAVALDR
VSFE EASELAYFGA QVLP HPIAMQPARKHGVPVRVKNSYNPGAVGTIITEEASSKERLVTA
ITYKKGVTVLDICSTQMLGAYGFLARVFGAF EKHKLSVDV LASSEVSVSLTLDKKQESSQ
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>comp8064_c0_seq3; 404 1231 2421 LEN=2760; translated
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GRITTLGRGGS DLTATAIGAALNLDEVQVWKD VDGILSTDPRVVPNAVALDRVSFE EASE
LAYFGA QVLP HPIAMQPARKHGVPVRVKNSYNPGAVGTIITEEASSKERLVTAITYKKGV
VLDICSTQMLGAYGFLARVFGAF EKHKLSVDV LASSEVSVSLTLDKKQESSQISALIEDL
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>comp8065_c0_seq1; 856 221 2794 LEN=2953; translated

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FLLNNGIEHDGKKEELDFLVYSVVDAPSDSRFLPKTRVVCVSIPEHKILWMSAGLPGTP
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FAILLSLVAVAVSLMYVAKAKGYSSINWNTNYRFPRSFGEKRRHSSVSRVVRVQSQELDG
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>comp8066_c0_seq1; 188 1 817 LEN=832; translated
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GGMVGLASGLVRKLDDEATQETICGFLRGTSKEQLAGLASMAGLDALGDQQLDRLARF
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>comp8067_c0_seq1; 361 74 1156 LEN=1455; translated
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GVMGRRIDMNRVDEGDAGLYSMLRAWVRDDPHNPEHEYPANARRKTLQYVKMEKNDKN
NEIKGEGEENKKNKDKNDKNGKDEDEDNDSNGEAGGTTTTNGIASPLELSQTATEMGA
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>comp8068_c0_seq1; 624 205 1303 LEN=1303; translated
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>comp8070_c0_seq1; 475 1 947 LEN=1209; translated
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>comp8071_c0_seq1; 866 79 1776 LEN=2011; translated
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EDGVEFEFEPPVWGIDLPSSEHERYLCEKVYKPPVLMYDPKDIKAFYMKLNDDEKTVAAD
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>comp8071_c0_seq2; 378 139 1125 LEN=1360; translated
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LAEDYLKYCVRFALENCAEDLEFFENSHPHGEVGLRDRLKNVLDNPFKRLTYTEAIEVLQK
AVKEDGVEFEFEPPVWGIDLPSSEHERYLCEKVYKPPVLMYDPKDIKAFYMKLNDDEKTVA
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>comp8072_c0_seq1; 609 138 2314 LEN=2337; translated
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RIAL

>comp8072_c0_seq2; 610 138 2372 LEN=2372; translated
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>comp8076_c0_seq1; 105 385 564 LEN=1417; minus strand; translated
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>comp8076_c0_seq2; 286 177 1610 LEN=2100; translated
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KPVTRTKNDAPRTVSALVVDPFSSSTETLSVLGDSLRLMGRDQAEQLAGPFFGASLFPYLA
FLWLLARDENECPKGVTVGFATCLLFVFLTIPAAIAAQVLYGVSLADSDWLHGSAESLLT
VTNLVTVVAFRQALESKEKDVAMPSSATSWSPMVWLVVALTALVSVTALVPAVSDPLVHT
RYLGGFMDLPLNGFFDSLGNPEPENALSITTWIIHVSSLVEFLVAMGFAWRWATVVDNPT
WKGLTWGLLPLHSSGITACTYHIFYNRIPILVPLQAF LTCVGNTTAALATYRIARSNGWK
PEGINEQWILFADSLTNAPTTEDGDASSVSAEAGEAETLVGFEDLDALAGDNDYSFLIKL
FAGCAVASYVIKYGEIYDFDFYEAADLWAGLAFIFIPSGLNAYKWYRRGQDPSFEGWF

>comp8077_c0_seq1; 167 142 360 LEN=626; translated
MSTTALADIKRGSTVRIKRKESYWFNQCGNVAATDKPGSARYPVTVRFNSVNYAGVNTNN
FAHEELEVVEDK

>comp8078_c0_seq1; 212 718 1675 LEN=1675; translated
MAPGAFAAASSATASDTLVGSSKDAMKASGNAIQSSSYALSSTYNEFAPYSSVRQYKSIKL
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DFQEWLDGDYAEFGSNGFTAYEKVCFHFQCETGAFAEALDRFSTLFLDKVIAQTCQNKDT
IRREIRRVSSELDKNDLFSRELYLTKSLINPKHPYSRVTLGSIETLETLPALADINVSNE
LYDFYKNNYRPDQAILVVVSSSLSLENMVQPFSGTMLQEKKEEGSSVGSSTDEKQHQE
QNEHIVGKQQKQQQQQQX

>comp8079_c0_seq1; 304 1 638 LEN=852; translated
XNAADIRTSTTSSTPQTNTNTNTNSNTSTTMSSTNIDNEDLEVAAYTQEDAGSTTFLC
FGVCDMRIATLAANGFNIAATLVGILVAGFKSYLFWKALGGALAAGIPGLALSavgIYGA
KEFDLRAMYAASAGFGLLLIDICMFQWVGILINLLVVPQTVFTFELSNGFLTKENYAE
QEYMSEQGRDFVDRVHSQYIAPMAVSPTSSAQ

>comp8080_c0_seq1; 279 503 1696 LEN=1714; minus strand; translated
MTLQEYTPDERENTSSTASTLMPLSFSSTADAINVAKKPSLGQWIVPIIGILLAVVAYFL
TKGTQNGYISYDGKNTNSEYLELLEIPEYDEEEALRHIFYSKAAFCTERAIASWSCGEIC
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VSFRGSLKPANWYADFLMLRPWPLNDLSGVDWCQGCKAHHGFAQAYDEIRTDVHRAIED

LNCTRLVLAGHSLGGAIATIASFDLRAAIGYHVEATWTFGKPRIGNAEFVISFVAAATAQ
GISPPIWRVIHYHDPPIPRAPPHLPGVHPVAHGPLEIYYTNRASSEFTVCPQHGATENQSK
SCMAGWPLYLSLNLHDIDYLNQSFQAFKNFPDECKATE
>comp8080_c0_seq2; 279 346 1539 LEN=1557; minus strand; translated
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VSFRGSLK PANWYADFLMLRPWPLNDLSGVDWCQGCKAHHGFAQAYDEIRTDVHRAIED
LNCTRLVLAGHSLGGAIATIASFDLRAAIGYHVEATWTFGKPRIGNAEFVISFVAAATAQ
GISPPIWRVIHYHDPPIPRAPPHLPGVHPVAHGPLEIYYTNRASSEFTVCPQHGATENQSK
SCMAGWPLYLSLNLHDIDYLNQSFQAFKNFPDECKATE
>comp8081_c0_seq1; 678 237 2045 LEN=2149; translated
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TLEHLLYFAVFWTIWEKETSATRFDTTDLAQLKTLTLCFAVLFAVSLVSLPMDSEGGV
RIMMMAAFCTSTHFCLMVRVLWYMDAQRDNSVEYNVKQYAFNVIMNFTEATTWILGIF
VVSPSYRWVFLVGVVMAALRVPRLLISNDFYAANSQRGVLFILLGGFMLQSVVVVATDFF
EFDNPDWQQYAFIGSTCLLLFCIKLLYCDANTLASDHAMLVNRATAAFFSVGQFALLFS
TTILGSGLNLLTHHYLAATAALPGNDKAMVCAGFAGTCCRVPVSLFVSHRTMFCAPERQSNLD
VCYGFFFLCCVRAAVLLSLMFTKSMHIKRVPIEPKDRALFVGAYVLQTLATIAVVGITIA
IIYGRGGYIQTTLVQSDGLMGVLCGLAVLLVLLSWLDEGLELALQEGEGIDGKAASNFLVS
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DV
>comp8081_c0_seq2; 685 237 1931 LEN=2035; translated
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TLEHLLYFAVFWTIWEKETSATRFDTTDLAQLKTLTLCFAVLFAVSLVSLPMDSEGGV
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VVSPSYRWVFLVGVVMAALRVPRLLISNDFYAANSQRGVLFILLGGFMLQSVVVVATDFF
EFDNPDWQQYAFIGSTCLLLFCIKLLYCDANTLASDHAMLVNRATAAFFSVGQFALLFS
TTILGSGLNLLTHHYLAATAALPGNDKAMVCAGFAAVLLSLMFTKSMHIKRVPIEPKDR
LFVGAYVLQTLATIAVVGITIAIIYGRGGYIQTTLVQSDGLMGVLCGLAVLLVLLSWLDE
GLELALQEGEGIDGKAASNFLVSPFGFWWCLHPEVTPPEEILAEVAAANASQSLASQRNR
SSGVRLSEFSPLLESVAHMKVDV
>comp8082_c0_seq1; 66 1 1030 LEN=1030; minus strand; translated
PAVFSLSFVPAGVAVAVALTVAALAAPARAIEPFRGNGDQPPRPPLVPRRGPGRAPLDA
VPTGVLPGRELPCGRAASIVLARRPPAPCDRPRDVPEGLPPGPGQHGKGLVHLGRL
RLSRRGRATAARAGGRSPPGSGGLQSAQAGPRI PDGVDGFQEGPPGSALPPPAGGVRGED
VDVRPDRAEVPAPVHHAQLRAAGWGCVCACACGCACGCTAAVVLSSHQFLDLQDGDSS
PQPRAVGPAPHLQDARPSAGAGTTDHTAAIGAADRLCAIAAATAAAAIGRKVHSINVT
MPLIPSI PVVDRGAATAGLMQARKYSYRYGERDEDGCKSNMPM
>comp8084_c0_seq1; 360 219 1604 LEN=1990; translated
MLSLEDIAENQDIFQRHLLPYLPIVEVRLQRVSTRFGSLINDESCWKILSERDFEVDNK
AAPEYNPHTKSFNDLTDQENFKKSYQQWAEWRQOTCF AIEPRHMIQSIGLWSRCKAVLRK
QNLDKIVESLMPPPSREFFFEVAAETTLPSLLAFYAIHAGQSQLT PRSSDDDDFFAGLFGS
YSCYNSFFSMRFLFHVSEAAVASISNSI WVGLNLGMPRTFLVLDLSNVDEGLEGSMYFGY
QGMNHAHLVCQGGILSYFETYVERLESSMYTSCI IHPDSPTSLGLSLFPETGDTVSVAVS
HGVEVRASARWFPERTYDGP MNFGYSIRITLAESDSDSGEVSCQLVGRNWEFRYEDGTVN
RVQGEICIGKQPLFFRNDRDGTSGYIDLGPAGTGEANLNSTFRYQSQSGPVPPTSSNNVAK
TTNCRVKGTF SFRPGSIEEPNGSLFFVTVGEFPLRVPMPFY
>comp8085_c0_seq1; 571 1 1222 LEN=1356; translated
XEPDSDEPSSGSSSSSSSSSSPSLPLPISGEKREGEENALPINELVHTTETSSDRRDSSC
EGRKQVFFVEPSVSVDSKSKVTKQLEVRSLASAQVTAISNSAKNLKLNDELVVPPRSPG
DCNDESSL SLSLSSSSSVSSSPSSPSSSSSSSSSSSSSSSSSSNDDGNGSDGGISADDST
QKRSRNEQHREKTIEIDASHILDASSTVSSLDTKQQTGNKEENPGSDTERDGTSTRKRL
SKSRLKQGVLAAILAMERLKNLVKEKNPSPPSGLQRMWSSSRLIDMYNASDDETDEEDDDR
DGETSVWSDDDDDENSESSHGGKVKNCPCVQDIVKHTEQRKIILLRQMLCKKCFPTHYL
NLQKGNQKDSDRTKASSRIVKKSEHLQLNTGRDVKILKSFKKRSTEK
>comp8088_c0_seq1; 433 1 1698 LEN=2795; minus strand; translated
EEMILVSSSMDRSIFIWSVTDDGVWTPISR VGSPCGILGGPVGASLLGYLNIQIEPHFGR

WIMGHAYGGALHFFSCERNTEDRNLNVESSEQSHMSIEERAALVKWKAQPCITGHFDEVT
DLCW EAIKGEYLITVSN DATCRQWAPITKLLDAWIEI SRPQVHG YTLSAVTSLSTP DHEY
QLVTGADEKELRAF DGT KSF LRMLRLI SEARGETNCGATRNDI SRVD RAYMPSLGLSNKD
SAADGADEDTAGASTTSTLLPIEKDLGSTSLWPEVRKLYGHNSEIARLTSTLSARTCLST
QYSTSYFNQVLVASTTKARDVNTAAIRLWDINANRCLQNLQGGHRSTVTALSFS PDGTYL
ASSGKDRRLCVWKRRTDDNTSAQNELFFLASAVNSSHKRIVWSVHF CPHNPTTLASGSRD
GTIKLWKITEGAGQGDQNTTVVEYSKFVPSVDVDTGHASKDKPEAVTSLAFSPCKFNNQN
NGVIAIGLENGFIQLWSVPIIPSLDGNVVERPSTLALF DAHFCHIGAIWKLAWRPRRDE
IGPFVLASCSSDNGCRIFSVWLHNE

>comp8089_c0_seq2; 453 1 1521 LEN=1884; translated
RIPGMRWFFARDILICQIYEALSIYREGDVKSNELVYLCLLLHRRKIDADRSDSDGDDGPG
LFDSDSEDDNNTKNPAAQAGSAKPAAKKKKILSKRERMEALRAKKRQVVSSVPGSQNENK
GDDDEDSYNSAEYVRTKEDLDFIDTEGDDADAVAELYAEQNFEDEREAMEDPNDGKKKKK
TKGTGSSTYRGRSERAILEAEAEDEDDPI LQAVNKLK KKKK VQKKYSELEEEAKPFLANME
KAAADDEESISQKRPALKKLMIDEVCETLARRDMQRPLLDQDLLVTCRRWIQPLPNGQL
GNITVRHRLIDAVALMTGENGITASDLKRSDFGKVMSLYMHKSETKAMKKKHRSLIDQW
SRPIFHKSGNMRLERLQHSRQDGGLSQISR AHMEEQSRERALKAPVMRGHRGGKDQDL
NSLIQSGAKGKSESGINRVRIPYSRGFQYSVRPENRTMGDIDKRRDTSGPSQDSRGKLSK
RMLEKGRAKSKNQRSANISIEGRGTK

>comp8089_c0_seq3; 485 1 1437 LEN=1800; translated
KKKKVLKKGSGNKRKRIPDADRSDSDGDDGPG LFDSDSEDDNNTKNPAAQAGSAKPAAKK
KKILSKRERMEALRAKKRQVVSSVPGSQNENK GDDDEDSYNSAEYVRTKEDLDFIDTEGD
DADAVAELYAEQNFEDEREAMEDPNDGKKKKKTKGTGSSTYRGRSERAILEAEAEDEDDPI
LQAVNKLK KKKK VQKKYSELEEEAKPFLANMEKAAADDEESISQKRPALKKLMIDEVCET
TLARRDMQRPLLDQDLLVTCRRWIQPLPNGQLGNITVRHRLIDAVALMTGENGITASDLK
RSDFGKVMSLYMHKSETKAMKKKHRSLIDQWSRPIFHKSGNMRLERLQHSRQDGGLSQ
ISR AHMEEQSRERALKAPVMRGHRGGKDQDLNSLIQSGAKGKSESGINRVRIPYSRGFQ
YSVRPENRTMGDIDKRRDTSGPSQDSRGKLSKRMLEKGRAKSKNQRSANISIEGRGTK

>comp8090_c0_seq1; 580 90 2078 LEN=2507; translated
MDSFRDAKKKESDDEYCSSSSDYSSSDEESYFSESSSSVSPMHRATREGDGSVFSRLSS
SMRHR RANGVMRLKEHGDEYKHEY EYEH DGGYNSSSDASSSKTRRRKRGRGGTTGT SFHW
SSRLLAVSLFVWFGVQITTTTEYAQQLSLQIDTDNIHNSQGTHHYRHNI GFDNLHRPIRN
DDRKKGPPRPHRPLPKQH KDKELKPGCELDPEWQTPNSNSRLLSCQLLHELDISEALST
KSSGRRRHLSPSAHLGNLWRDVKIPDGNPNTTNTSYVVLKTMKLEHDVIDRNLERHR
REAA TMNRLTSSPYVADLYAYCGNSILTEFASQDLRYALNPSEKHDDHDSRNQQIKRIKE
ANRERRAQEFRESEHVRSNNTTEHRKTHGHGNHRKHDRDVSQSLPSSGSQKDSLLSSSK
LPLVTRLELALQASKAVAE LHQSDVIHADITANQFLVIGTTGASNPIEGDYDGGNDYGIR
IKINDFNRCRFVPPQQRNNSTATDLVSDGSEGRVLHEGAKKCTIRISSPGTYRSPEEYSD
RELTTQMDVFLGHVLYE IWTGGQRPWQDVVGGQRIKNMVKDGELPIELKKIENWGSSDK
PGTRGTVAATKNQDADDLAFGR IIRDCYWVDPNRRINANGLVRELT KLLDSVREKNGSDK
TD

>comp8091_c0_seq1; 422 1 1095 LEN=1168; translated
TSLVMEGNENPNVDVRKDEELNWFYFETNNEIIRDEIEDN NENKDHTGRGRD VDWREIIEE
NNVGDDASEEDYESDERHGNYEMGINDQIGEDESEEKRVHDELRLAVSALWKTGLEIFIH
QLLYHRRVYPKDTFSSARFAGVACKINRNPRVLVYI SEALRSILPSLFDEEEKGIILNEGH
GQHRRSKELQVEIYDREKGI THEQYSLFFSHEGLEDRDADV TSAALSHSFS LPLTL DNE
RSDLANSIMGEVEKDLRDLVCSTARLEGLRFCAWDDSVSFKVLLVMNTTANVMKPTIASD
SVLDETKWFRRTETKTLSDNQNRNTRVICNLANSACQFSYKVVKNQGRQQQTGNKSESSIK
GRQA

>comp8092_c0_seq1; 263 1025 1795 LEN=1954; translated
MSYRRHEL LPSVYNQRYKLF RNN SKLTPGHHHPGVRGDVRI PSFPEVLSTLIEEDIS
VRSYDAWSKFFPVSI FNTHQEGDLVTNFVCQVVTGARQLCRIFADDSNEASNTSINKSTS
YLDWDILGVFAHEQGLVH ELDNRYKLAKAIGAYIRSNLRLPLACPTKETIDQLYRTSMK
IELWATSFSGPKPLTNFQTSWEETLQKMKLC SVNASSALEQEVWKNFFQORMSSIDFRET
NATAELLNLSNITHQ

>comp8093_c0_seq1; 545 43 1455 LEN=1498; translated
MSSGKEEVTGARGGLFAGGRFKGGTDPI MEKFNESLWFDKRMWAQDIRGSVAYAKAIGK
VGIITQEEVN LIVEGLGVHKEWEEGKFETKPGDEDIHTANERRLTEIIGPTGGKLHTGR
SRNDQVATDTRLWAVEAERDVLKDMGILL SAAANFSKEYIDVLMAGYTHLQPAQP IIRFSH
WLMSHVTP LVRDAERLKEIIPRTNRCPLGSGALAGNAFGVDREYLAKELGFEGVTANSLD

SVCDRDFVVEFLMWHALMLTHISQFAEDVIINNLLKCIDMDDAYATGSSSLMPQKKNPDAL
ELLRGKAGVALGKAVGLTATLKGPRAYNKDLQEDKLLLFAMMDTVKDC LAIATGVIVTM
KPNPDKLIQALSPEMLATDLADYLVRKGVPPRETHHISGACVRLAEKKVSIDTLSLEEL
KEIDARFEADVTKVWDYEVSVVERKSSIGGTAKASVLKQIEDVLAFKATLE
>comp8094_c0_seq1; 368 501 1628 LEN=1896; translated
MAQGDQASLPEGPIVPDKTIDEIRAEPYKMPSPGFESTLDIMDAEQREELYDLLAKNYVE
DDDCMFRFDYSKEFLEWALTPPGYSNDLLLGVRRASSSKKLVAFISAVPANVKVQSKSNLD
VVEINFLCVHKKLRSKRLAPVLIKEITRRVNQKGVFQAVYTAGVVLPVPVASARYYHRSL
NPKKLVKVGFSRINPRMTMARMIKLYKVADVPKHNLVEMTEDHVDGVHKLNTNYLDSKFK
LHVNFTEEIAHWLLPRNAVNTYVVVDVDDNSKVTDMVSFYHLPSTILNQNETLYAAYS
FYNVATSMSTLDMKDALVLANATGTDVFNALTLMENEFFLTDLKF GIGDGNLQYYVYNW
SSPSMKASEVGLVLL
>comp8094_c0_seq2; 393 263 1513 LEN=1781; translated
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TPPGYSNDLLLGVRRASSSKKLVAFISAVPANVKVQSKSNLDVVEINFLCVHKKLRSKRLA
PVLIKEITRRVNQKGVFQAVYTAGVVLPVPVASARYYHRSLNPKKLVKVGFSRINPRMTM
ARMIKLYKVADVPKHNLVEMTEDHVDGVHKLNTNYLDSKFKLHVNFTEEIAHWLLPRNA
VVNTYVVVDVDDNSKVTDMVSFYHLPSTILNQNETLYAAYSFYNVATSMSTLDMKDALV
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>comp8095_c0_seq1; 1414 138 3770 LEN=3811; translated
MATDPRRRNLVKTEPVASETAPGIDATLMNANHNASGNP IPPKNEFILFSGVDDAMDEDE
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VPHRDVDLLSTVISPSPFAHHSVGGAGSSRYRNALTRIAADPRSDVEAWGALLAEASACW
KSLHNSSADNGDGGIGGTGNSARSQVHVNIARTSAETQLQLDWIESCYGAFLKYFP
YSCGHIRSVGDILFVQSARVGEEGPTTDYQGEAPGTMSRSQQAQWKLETILRKALGVDL
EGNNAAVAPLPRSGEKDTTDGTATTTKQHSPAIVGGTCTPSVDLWLLYIKTRIRHTRRK
HGNSKTMEAGKAIMEDSRKAYELALGFSGFTCHDNHLLWKAYLDFCKASVPPIVSEREQN
AASLIMTPQQHMMWLREVVYQKLIHPMTGLDQLWQEYESFEKNQSEALAAALVQEWQPKY
QHARNIYLERNKVFNPQALHWKTRLAVPPVSTSWVDQMDADHGTPGIGATGAGGKSSDS
KKKLDK DASGGATTEELREHNEKLQEEFDYTLWKKRVAYERTNPERLTNTQELAHRV
RQAYKEMVCVLTLYPEVWHMSTWEEVVTSSAAASDDTSAANPAAVFGNRSIAVLELGO
EHIPDSTLLVHAQAQLEEIHFLSKASSAAGTTKTASPGDNPALRVFEKYIERAPTSLGFC
LYQRLVRRYRKGDAARQTFARARRILSHGYDAGNSGLSFNAGEKLDRAEAEPASEDSTA
TKVNGKRWMVTNRLDPSIGSKSVSRKASQVANDQEDTSSSIQVAPGITWHLYACHATI
EHRLNKSP EIAGRVYELGLRKHSSFLT KPSYVLKYAKLLELQDTVNLRALLTRALACA
DSKKSQVEALWDMTLECEELWSILEPENIEVAVAIERKRRALLGPDIEDVSTGSRVGL
SDNRTTIGVQKSTLAEQLLRTDGYDTSSLI VNLGRTVNVLDIMGLWGDGASRKQHSGL
NNTDDGADELIPGGKSDRSYQNRQLQFAHKVAAGVSLIPGTMGGSEAPGSKLLSARERLSQ
QQGAGPGFQNTPIQLAIQQQPEWLRGMLLMLPASRLRSPIVPKAPPHLVVQALTSLRQN
KLPEERPNDNEGKNSSSSQSGKRSALDANGGDSSEDTGPTGTGGYGTQFRARQRARM
RMNGIEAGSS
>comp8097_c0_seq1; 281 1 873 LEN=922; translated
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DVAIEKRDGFLFDCVDLCIEEGSQT CILGPGTSTSYLMKILAKKLAPTEGTVHHSSGLTI
GYCDCRELKDKISSIGPAMTALKYLSTRYPKKNETDLRSHLAAFGLSQT SQAKTSLSCLS
GGESFRFVLA EIMLENPPI LFLEHPTSHLDAESVQAFAYSLREWNGTLIMLCQDASFLRS
LERVKCLVIMPEEGKIRRIIDDDRGGMRGMDAYLKTLSRSIDKSRFYNQC
>comp8097_c0_seq2; 718 229 2417 LEN=2466; translated
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CLEGATIKLLHNHVYCLVGRNGCGKSTLLKMHQS TIPGWSVRWSSLYLPPTLPPGYLQL
TPMQVVTKYLEECKKDSRLATESQISELEDRIDCLDLENEQEKMEILCEELSSLEDKLN
EDSLKQKRDLEELGIDEIKLCEELQPVQKEVLLCAACICCPFNLLMDEPTNDLD
VHGLIRLRQLIVDNFAHSTTVLIVSHDIXLINDVATDIIDMCAQKLWYFPGNYDSYRLMK
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MQILESSADIPMDRGLSLTQRLKLEITKTAPDKAVHFALPKVTSQWGEPLITAFDVG
YGTEKEDFSSTKPKESQLCNA DVAIEKRDGFLFDCVDLCIEEGSQT CILGPGTSTSYLMKIL
AKKLAPTEGTVHHSSGLTIGYCDCRELKDKISSIGPAMTALKYLSTRYPKKNETDLRSHL
AAFGLSQT SQAKTSLSCLSGGESFRFVLA EIMLENPPI LFLEHPTSHLDAESVQAFAYSL

REWNGTLIMLCQDASFLRSLERVKCLVIMPEEGKIRRIIDDDRGGMRGMDAYLKTLSRSI
DKSRFYNQC
>comp8098_c0_seq1; 311 306 1379 LEN=1508; translated
MAPDLKQKALAPVEGAISKYMSQMVLEKEDNPEMPDYVLHEYSPLDSDADLGPADWVTI
AKDIESNYFKFDGFFVLTGTDTMAYIATALSFMLENLNKPVIFFTGSQIPLCMPQNDARRN
LIMAMIFASRDSINEVCIFFHDRLLRANRTTKVNTKLLAFDSDPNMDPLATIGISIDENE
HVLLPPAKGPLRVHLRMDTRLLTIRLVPGFDDSMIRRLIESNMEEQQLRALVLQLYGTGN
LPSVKESFIKLLADATEQGIMVIASSTQCFTGSVLLGHYATGRALLEAGAVSAGDMTLEAI
ACKCAYLFGRRGFTNQNEELMGISLRGELTPPELLVPPPTGASGSFEQCIKARKRS
>comp8101_c0_seq1; 177 1 467 LEN=1122; translated
XFRRGWIGTFPDPDPAFSPPRIVLCLGPFSPARTATDLHMLGAFRQPIGIPDLLLLP
DAWRKTASDEKADEVPETQNDIWCRSVESDYHSGASREEENKENGDDGIPGTTTTDDDDYV
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>comp8101_c0_seq2; 463 314 1393 LEN=2048; translated
MGRDLKPPYGGQQLLLNYCFGHPDTNGVLCYPIGIGINYINHDKTRANVEVRWGQDGVAGH
FDKFLDVPLANITDYSTKVAFDYVATRDIAEGEEIFLDYGDWEEKWNALRDEWQTFEDR
SHLDNYVSAAQFNEIHEHDYLLVPKELEAKEEYPYPNNLSLRCHHVLNDYSTTFDGSLED
FEDWSNWDYDNTGYLCEILERSDDNLSYVVHYIIDDRDRDRAEPITISNVPREAMKFFDN
PYTTDLHMLGAFRQPIGIPDLLLLPAWRKTASDEKADEVPETQNDIWCRSVESDYHSGAS
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>comp8101_c0_seq3; 698 193 2244 LEN=2896; translated
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NGYLGSSFFNPTADYVWDGTSMGMRLELFDENDVSAFWPGIDAMVNCCHSGLLNVEKASPV
YDEGGIHRSRHHGAGGVSPYDAGETGSYVCRDIPVGGELFKSYGDQWFLGREQLGPIPIVI
QNYEEAIRLMQMLTNEKDSATLGIPIVSEVYEMLVKPFKEIWNRSRTLNAFYDFSWEVEKKA
AAAGDIGIHLQGNATRSDIWLNENKCLDHIHVKRSTVDGAGAGAFKRDLPQGTVVVTGT
PLLLFPDKKWFDMYDFKYCSDGTMGRDLKPPYGGQQLLLNYCFGHPDTNGVLCYPIGIGIN
YINHDKTRANVEVRWGQDGVAGHFDKFLDVPLANITDYSTKVAFDYVATRDIAEGEEIFL
DYGDWEEKWNALRDEWQTFEDRSHLDNYVSAAQFNEIHEHDYLLVPKELEAKEEYPYPN
NLSLRCHHVLNDYSTTFDGSLEDFEDWSNWDYDNTGYLCEILERSDDNLSYVVHYIIDDR
DRDRAEPITISNVPREAMKFFDNPYTTDLHMLGAFRQPIGIPDLLLLPAWRKTASDEKAD
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>comp8103_c0_seq1; 573 1 1630 LEN=2674; translated
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SPYDMILGSWPFQSSKAEGKEAKMRVQTQATTSPAPKLALVDHSLDQESLASVASTIFS
TSQRAQKSLFRPISPTPEATELANSDFVTTEPLSDENFELESRISEIESIDLAELENPF
RREKKDPSSSDKSGIQKVASTDSSDSSGCKGFKNKKINLFRLSRMNRIRGSNSIEKEAKS
SREKTKTKSRKNASTRASIFSKSSAEEDVFEGVEDISSVEQEQQFSMHEKWDLSRVENIS
IKGSASHVSDLSESVYSSSQKGTEDVEVEEESVQLKTKNIKPFPIPTNESPATVTLSPSI
TTSSVMSESTKKS LVNSTTARSEGSTAGFSSYESTTTTRDGTNSVNSLELENSGVETTGF
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STL
>comp8103_c0_seq2; 573 1 1630 LEN=2615; translated
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SPYDMILGSWPFQSSKAEGKEAKMRVQTQATTSPAPKLALVDHSLDQESLASVASTIFS
TSQRAQKSLFRPISPTPEATELANSDFVTTEPLSDENFELESRISEIESIDLAELENPF
RREKKDPSSSDKSGIQKVASTDSSDSSGCKGFKNKKINLFRLSRMNRIRGSNSIEKEAKS
SREKTKTKSRKNASTRASIFSKSSAEEDVFEGVEDISSVEQEQQFSMHEKWDLSRVENIS
IKGSASHVSDLSESVYSSSQKGTEDVEVEEESVQLKTKNIKPFPIPTNESPATVTLSPSI
TTSSVMSESTKKS LVNSTTARSEGSTAGFSSYESTTTTRDGTNSVNSLELENSGVETTGF
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STL
>comp8103_c0_seq3; 573 1 1630 LEN=2874; translated
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SPYDMILGSWPFQSSKAEGKEAKMRVQTQATTSPAPKLALVDHSLDQESLASVASTIFS
TSQRAQKSLFRPISPTPEATELANSDFVTTEPLSDENFELESRISEIESIDLAELENPF

RREKKDPSSSDKSGIQKVASTDSSDSSGCKGFKNKKINLFRLSRMNRIRGSNSIEKEAKS
SREKTKTKSRKNASTRASIFSKSSAEEDVFEGVEDISSVEQEQQFSMHEKWDLSLRVENIS
IKGSASHVSDLSESVYSSSQKGTEDVEVEEESVQLKTKNI IKPFPIPTNESPATVTLSPSI
TTSSVMSESTKKS LVNSTTARSEGSTAGFSSYESTTTTRDGTNSVNSLELENSGVETTGF
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STL

>comp8104_c0_seq1; 447 302 1549 LEN=1734; translated
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LIVRGLVLTPEEVDEANAAIDRHADEMIERSDADLRNAKRGTKYSGQGPGRMDLGRCLEWG
ETDSRVFRSILAHPRLLVPVFGILGKGYRMDHLPVLAQNKGSEGFQLHGGTIDCNSGAY
NPFLLAYHCSNGAITTALLGCNVILRDHNPGDGGFCIVPGSHKSNFRMPKGMVDGEREYEF
VVQPATKAGDVFILFSEGTVHGAKPWTSDQRRRTALFRFSPATNVYGRSYFGHEGGGWPSA
MYEGLTPAQKAVLEPPYANRLDRPNILDDAESVEITTRNARKKQHDRDVFGTKYF

>comp8104_c0_seq2; 195 234 547 LEN=732; translated
MAYAESLPVIXPWTSDQRRRTALFRFSPATNVYGRSYFGHEGGGWPSAMYEGLTPAQKA
VLEPPYANRLDRPNILDDAESVEITTRNARKKQHDRDVFGTKYF

>comp8105_c0_seq1; 300 76 588 LEN=710; translated
MLSRSSSTVAKTLLSRTRGVAARSFSSSEATEAATSVSLNFSVPYESIYEGASVESVIIPGT
EGEYGV TANHV PVAQMKPGILT VQFDATSEQYFVAGGYAVTHANSVTDVVCVEAVKVD
DL DASAVSANYEAAKSAASAASGSQEEAEAQIDMEVNKTMGAALGLTLG

>comp8106_c0_seq1; 1663 239 3625 LEN=3625; translated
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IHGSGDGSSGSNRRANSNKSSFTWNGEIVSGKKVQERASKDFQIQLDNLCTFLPQEKVG
NFSGINSKDLLLETEKTLSDNKDLYEKHLKLIEMQTELRGGFSKVDNLNEKAAFLAEVA
KYKADVDRMEERRKAEQADLLRKKLMWLKLDGVRETCLALKAQKEEAKQKVENLEDELE
PLLQARDQAKEWLEKARNVDVDAFEKKIKNEEKMAKQKHKFDNHDDQIEETLAEELATVDN
TRAKYENDARLLRDKVGGLOEALDEEPPMEDLEEAFASARREQDAIKPRYND SKTALLEL
NHEMSSVKDERNNVQRKLARLQNEKEQRRENVFRYFEDVRNAYHWINNNRGLFRKEVIGP
VACEISPKNDSAAFLEQHVANSVLKSFVVQDKSDYDLLYNKVRREQNIPININVFDRIS
QGEPRMFSEQKMAVLKRDHGMGYLDESFDAPDIVVQVLKTN SAIHKVLVGS DR TQD SLD
GRDLGRILSESEHHHGKLSYCFASKDGDSFKYTSQVSRYSKGKPSLRVDDVRVARFLSR
GASDDAKQRTVTKLREVKDRENEIQPKIEQCAREQEDLLLQVQQAQORSKEIKAKIQTIK
KLVQKLQNSKRKLREAEERLETDDDEEKRNLRKLRLEASLKAMNAYSESNNKMVELT
VEVAGFKVDKEFALVRARLSEKAGDAETAIDTMRDEFKAKQQFAQEK SRYKELAQRAS
EQAPLADENGEETDLKRKLEVDLAQFDREDLAQNAL EEA EAKINSIQRDDSALRVYEEKT
RELEEVRESLDDLKDRKERGQSELERMRVPWHSTLKEI IETVDKRFTKYMSELGCIGSVS
LKDGDNDEDFLFEDYAVEIKVSFREGVKPTVLSRVQSGGERSVSTIMYLMAMQDMMVSP
FRCVDEINQGLDDRNERLVFKRIVENSTQAPGPNPPTDHCGQYWLITPKLLPNLTDMEVA
AMNVVICIFNGAYNFKNPTDWCTRELIAIRKRRHEEIGDHDIGDDDDDDDD

>comp8106_c0_seq2; 1695 239 3721 LEN=3721; translated
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IHGSGDGSSGSNRRANSNKSSFTWNGEIVSGKKVQERASKDFQIQLDNLCTFLPQEKVG
NFSGINSKDLLLETEKTLSDNKDLYEKHLKLIEMQTELRGGFSKVDNLNEKAAFLAEVA
KYKADVDRMEERRKAEQADLLRKKLMWLKLDGVRETCLALKAQKEEAKQKVENLEDELE
PLLQARDQAKEWLEKARNVDVDAFEKKIKNEEKMAKQKHKFDNHDDQIEETLAEELATVDN
TRAKYENDARLLRDKVGGLOEALDEEPPMEDLEEAFASARREQDAIKPRYND SKTALLEL
NHEMSSVKDERNNVQRKLARLQNEKEQRRENVFRYFEDVRNAYHWINNNRGLFRKEVIGP
VACEISPKNDSAAFLEQHVANSVLKSFVVQDKSDYDLLYNKVRREQNIPININVFDRIS
QGEPRMFSEQKMAVLKRDHGMGYLDESFDAPDIVVQVLKTN SAIHKVLVGS DR TQD SLD
GRDLGRILSESEHHHGKLSYCFASKDGDSFKYTSQVSRYSKGKPSLRVDDVRVARFLSR
GASDDAKQRTVTKLREVKDRENEIQPKIEQCAREQEDLLLQVQQAQORSKEIKAKIQTIK
KLVQKLQNSKRKLREAEERLETDDDEEKRNLRKLRLEASLKAMNAYSESNNKMVELT
VEVAGFKVDKEFALVRARLSEKAGDAETAIDTMRDEFKAKQQFAQEK SRYKELAQRAS
EQAPLADENGEETDLKRKLEVDLAQFDREDLAQNAL EEA EAKINSIQRDDSALRVYEEKT
RELEEVRESLDDLKDRKERGQSELERMRVPWHSTLKEI IETVDKRFTKYMSELGCIGSVS
LKDGDNDEDFLFEDYAVEIKVSFREGVKPTVLSRVQSGGERSVSTIMYLMAMQDMMVSP
FRCVDEINQGLDDRNERLVFKRIVENSTQAPGPNPPTDHCGQYWLITPKLLPNLTDMEVA

AMNVVCI FNGEWNKTKRFSLLALRFRNFFELLTVVIFFLPKGAYNFKNPTDWCTRELIAI
RKRRHEEIGDHDIGDDDDDDDD
>comp8107_c0_seq1; 61 159 509 LEN=1621; translated
MAKPAVDDIDPSTGRAIRDKIRSDMNPGLAHNHGKPARAPYASKSGSADPRDQPATYL
TSCSKENKASLQCIERNYQNRAACNEFFQAYKDCRREENEQRAANAEGSSGGWFW
>comp8108_c0_seq1; 743 245 2149 LEN=2514; translated
MATGNNGSPRPRNVSKCPFKMNVASSSFQNTLPWTSDANNDPVHHTPAERKPPQNQLLERV
TAPITASNPRGPQLKNSASHPGTETTGNIPVTAVTPSTKSENNDSDRMSDSFAMSDIDD
SNDTWRNHGKSFRANIVLADESNGGDFALS DTCGIERYR VADRVLEQFLSSNITERNE
LIDSYL VGNRLF KFLSVVLP THQQYFSLEPRLEELRHRSES QLMELLE YVEELELMIDEM
EYNRYILNDLTPTEIYRAGGGDETSSTTNEISIDEGDDVKSDFRDGESLNKSNNNSDTI
QIDNPQREFRGGSVKVAVQAI EASHQKQRQSN DVLSQDEIFKERVAAVLTARNNAELSIN
AGQLARLVSN GNTK LKPISSRNTNTKRLDPSFEKHKKDTNGKIPEILSHDGELIDNQGVI
QCVESTSNASQVVKKAI EQNQCEEETRYR SSSNSFLSWDVDFSQFN VFSPE SKDFIGPEQ
KKT HIDL LLMEDL P SPKRNHVESSKLI PKIKEPPSCYPRSVRVHAQAQAQLSSSFEKSI I
NTKDHEPDLSQGLSECSSDIFHCPENPRSDERAPVKTKIEKRMERAMVSKRSHYDKQVDM
SFNIAHDEGSSMVEAQSQRNLLNQFRGCIKSLLD
>comp8108_c0_seq2; 653 245 2265 LEN=2630; translated
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SNDTWRNHGKSFRANIVLADESNGGDFALS DTCGIERYR VADRVLEQFLSSNITERNE
LIDSYL VGNRLF KFLSVVLP THQQYFSLEPRLEELRHRSES QLMELLE YVEELELMIDEM
EYNRYILNDLTPTEIYRAGGGDETSSTTNEISIDEGDDVKSDFRDGESLNKSNNNSDTI
QIDNPQREFRGGSVKVAVQAI EASHQKQRQSN DVLSQDEIFKERVAAVLTARNNAELSIN
AGQLARLVSN GNTK LKPISSRNTNTKRLDPSFEKHKKDTNGKIPEILSHDGELIDNQGVI
QCVESTSNASQVVKKAI EQNQCEEETRYR SSSNSFLSWDVDFSQFN VFSPE SKDFIGPEQ
KKT HIDL LLMEDL P SPKRNHVESSKLI PKIKEPPSCYPRSVRVHAQAQAQLSSSFEKSI I
NTKDHEPDLSQGLSECSSDIFHCPENPRSDERAPVKTKIEKRMERAMVSKRSHYDKQVDM
SFNIAHDEGSSMVEAQSQRNLLNQFRGCIKSLLD
>comp8109_c0_seq1; 705 289 2157 LEN=2287; translated
MSPSTISMTSSSLSP TIVTFLLGLLAALPAANAFQTA EKT VSTPLTNKKKDIRLAEIPT
PVQWPLIGNLPDFLSRGGVDGYAEVHESMYR DYGEVYGSNLGGNTMLVVADPNVYDQVL
RREGTLPRGGAEMVTTFTDYKENELELPLKSI SAGPGWREWR SALNPDLYVLWDTYLP A
IAKSCSEISSVAGTEMSRKNLSFHTFVSRAAFDMFSAVLFGESPRTTDTSNARPE DVEFV
KATQTAFEATGKLM TNPM EKYSWFPSEGDNLYE I FVKNMDLVFNIGKDRCTKFANDALS L
QQEAAKAKESEANGSGIGSETGSLASEASNGCPVTALKSTIQSAKPRMSLGRNKVVPTSF
GETNP SLIERLVDRGVFGDENDETATKRIDTIGDVAAPLLMAGVDTTAYVMGW FYLNLAS
NPDVQTR LAIELRET LGGADVVTVEQLES LTYLKACFRESHRLTPSNPLLT KKLKEDIDL
VVTNGNNGSPDKAYRAPAGENICLNLRGIPMDPKYVENPMVFS PERFLPEAVSARKGTPS
EVIDHPYFSDPFGRGKRRCIGANVAVAEMLVLAARLVQDWEIRLVDPSEATTSP TKKWK
KQKMLLADPYPDMVLVPRTKA
>comp8110_c0_seq1; 438 192 1511 LEN=1628; translated
MVFGRRAI FVYFLSFFSATLLGDCAAKTKDPTRSPTRTPTASPSAEPTISPAPTAEPSK
APTLFPTATPTKRPTRSPTRKPTIVTTSSPTVATPSPTGFPSTTPTISPTEDPGVLLPII
AFDVILSNGEDVSDQIQSYFVTFLEGVLEESSENYRFD FSHLDSNGLISVFN DTKSLGT
EYLIQMDGVAYYKDEGPSIDALAQSLNVYFSFWGAADLEDYLG SVKFENAEVIVSVIDGE
PVSFVSS TKHEEENQE QNVAPVYENIFYNDEGELSKPVVISIYSSVAVAVIVALIVFRH
RIGKRRLARKAETQTD ETGSDGGDVENGRSKII EATETSP TIREVRAQKI QVTNSGKMK
SRTSKTSNRKPVSTDDHPSPNHFTTERNKNTNTDEGHDESTTQDQVSRPLQDNPVKKEE
GTSDEAETDKNESNSTRPV
>comp8111_c0_seq1; 307 194 628 LEN=939; translated
MNPTRSVLPR SAGVALA AVLVL LAATASEAFVPVAPGAAATLSSASALWSDPSQGGQQQP
TGRLERIEFKIYPDGRVEETVLGVQGESCLEVTRSINEKLG NVI STTPTEEMYQE EVQID
QTLYNSNTEGSGDSGASWEGSSSW
>comp8112_c0_seq1; 368 445 1503 LEN=1625; translated
MTISARLLSFLAALAAPPGLAFSPQRPMHVRAGASGRPLPNESLAPKALPADD DPGAR
VLSAETGEAPSLPA STRAHAEVFGRFASREHGQKFVADDGALYHILKGLDIEASEEDA
AIVFRYLDSDGDRLEFEDEF LPWYLEAVGAATGVSAGFRSLLVGRRTVEAFDETPVDDA
VLERA VQCAIAAPNRS GSEPWRFRKVGRET VRKLAALHKARDGSSESTGYTDWESVAPGW

CVVTRTVSAARGEKDGHETESGGLRSEAQQDFKSVCCSIQNFMLSMWSEGIGTKWTTGPL
QTTTEFATICGIDTELEAVVGI IWYGYATGGTRYADPKRRKLGVDVLGYLP
>comp8113_c0_seq1; 550 356 3098 LEN=3098; translated
MTVKAVDNGNKHKGIGEGEIDF SIDLAPANATSGQELHHVHFRGD XEGKGNNDREKNESF
SSVGKSGKNNRTDLETGSCSGKKGKMLRERFSSTSGELMPVIREDTVKSRRHSGNMSEYTA
SDVEWEEIRNTLGSAADEFECQDSTSLQLELEAVDHFLLSSLNPNVNFVGVKKEQSI PMKS
NGNNTSARSNHTQRF SMAQRSDDTLVTCPADCYSLILNGPNRKPSFFLFGVFAFSLQFA
LLMCAILSVLHPVMNTLGEVDNPGESGVSFLPSNVSNLVRITQILAVITYIFFADSSLR
DVITAVETFPTRSKTTPNESYGC MVCSVLRFITGIMTVVAVFLLIITKTDVMDIILDFM
AMSFVSNIAKLG FELALWGKYGPAL EHEANELLHRPMPKCMIRKNNFVRYMKTILLLFST
ILLIMFIIIGQEKT TWASTSLRVQFVDKTSNFLKGYNGCYNMANHTIPSLNHAKRIVY
EGHPSNNKQANFAYNHNSRHWELLDTS LNETEGEIVLLAHSSDTLSFDISTSFDEPWYSA
SGTPLDVYFFEKFD EEQRLSSCDSFLNNGICDEIFNTEYKFD FGDCCASTCTNSRCGVG
GLLNAFGEEIIYGDGFPFCKDPDMVPITILFN DIFASYNATNKLTNDMMAPLSSDTIEPM
MLLDCDDVNI FTIPVNGKMFNQSETFMVRD GANCTIRINNSTSTVQAEGRPIWLVDYTVF
HGDQTSILNDDSI VILREQSSNNEFAMFQRIPDCYFEKLSNHLDTSTIYMGDESHHRAIK
WLRATSETSKNSRCEDDNFLERYALS VLNFAAPITPPLPSEDNTNTTTDQPPFATSNI TM
VDGVPSPIDLTTGNPASSVPLPDLAQKGGVVNGFSSEKLWINENRQCIWRSVECNRSVE
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>comp8113_c0_seq2; 339 177 1825 LEN=1825; translated
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NNKQANFAYNHNSRHWELLDTS LNETEGEIVLLAHSSDTLSFDISTSFDEPWYSA
SGTPLDVYFFEKFD EEQRLSSCDSFLNNGICDEIFNTEYKFD FGDCCASTCTNSRCGVG
GLLNAFGEEIIYGDGFPFCKDPDMVPITILFN DIFASYNATNKLTNDMMAPLSSDTIEPM
MLLDCDDVNI FTIPVNGKMFNQSETFMVRD GANCTIRINNSTSTVQAEGRPIWLVDYTVF
HGDQTSILNDDSI VILREQSSNNEFAMFQRIPDCYFEKLSNHLDTSTIYMGDESHHRAIK
WLRATSETSKNSRCEDDNFLERYALS VLNFAAPITPPLPSEDNTNTTTDQPPFATSNI TM
VDGVPSPIDLTTGNPASSVPLPDLAQKGGVVNGFSSEKLWINENRQCIWRSVECNRSVE
CLYLQQRDLKGTIPS
>comp8116_c0_seq1; 67 1 704 LEN=1427; translated
XIYPQEYEVVVLVFEWRYSGICLLGYSKQEKLTPLHHRVSAKTEKQIQIQQOEHSND
CPKTKPIEIVSSAVAAIGTGTASAYDWT CNLYCYNKGVCRHGHGKFGAYAGIDSEID
DLPEQELHENGMYCTCPKGYTGLQCEIKFVTCGRDSHTCFNGSACVKERSTDTGEAFYR
CACDAE GSIMDAPYAGKYCEHIATVFC DGGGDGFEHGSACVCTNGGRCRQQQTDDP
DLDFDA
>comp8116_c0_seq2; 65 1 731 LEN=1262; translated
XIYPQEYEVVVLVFEWRYSGICLLGYSKQEKLTPLHHRVSAKTEKQIQIQQOEHSND
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DLPEQELHENGMYCTCPKGYTGLQCEIKFVTCGRDSHTCFNGSACVKERSTDTGEAFYR
CACDAE GSIMDAPYAGKYCEHIATVFC DGGGDGFEHGSACVCTNGGRCRQQQTDDP
DLDFANS GCDC PEGW
>comp8117_c0_seq1; 215 110 625 LEN=862; translated
MKGALSFTTIVLGM SAASAFVGF EIQHTGSRTRV PKQIGLQRMASAAPAESDIPDSVME
EVWRYVKKPLISVGGK GATNKHGNSLRQLLNDHTAVKVKVNTKSFGTLENAYESLRDLAI
ESGASQDIELIQMREKDR IIMFGLPGTLENVKDGSFPPQEEEDDDGEDDVM
>comp8118_c0_seq1; 257 158 673 LEN=839; translated
MLLKNFWIFGVLLLSFAVFG EGLGPRSSANDFPFSLGVRDSL MIAHSFHGHPSFGPAGG
MHGATYTC DVFLAEELHPETN WVIDIGKALDILSKVLSRYNLKNLDEVFPDKTMTTTEF
MCKQIHDDIRELLETECKEFKGA VRIKLWESHKAWATYTGPTIPESSSEL
>comp8119_c0_seq1; 791 86 1606 LEN=1841; translated
MTKSKDVTSGEQSPRKQTDVTKETQLATRDISSDIVDEGRAMIADAIPTALVQTAFALNN
LIYAGCENIECAGFIDSLIDSDQS FSDSLEGT FESQS FESKTAETESFDTRSFD TQSCAD
ARSVATDVSSVVPKKN EKD VVNIT IADSSSHTRALGGMMLHVPPLPSISESATEQE GKS
YLPKGLASEGAIASEKSIPNSK PATILEETPATDSTTCSPKTGLVESQDKPSKRRGLKKL
IRSKKEKDADPLSKQPVNTKATEAKFVSLRAKFDGDDQKYTTATTPSNVTSSNSSSSTKQ
HSSDSSEKSRKSDMPSALRRHNSLLDGNKSVKSARSYTRFFMGRSVAGSEFSSETRK L
DNPFSGFSARNRSGKSRPKRDNKPSFMKRLRSGVKEQPVDVSTNETPIKVEGTSKIVVD
TTYKTQSIIPSSHSTASHSEDDSQQSSSQKPYVLLAPSDKGQEIALQDDNYLNDHAA
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>comp8120_c0_seq1; 283 30 977 LEN=1106; translated

MVPIDNIKHLFSPLPTAIAAVIFSCWLFAGRIDSHTPNF'PDQRQKSAVLITGASRGIGK
AAALHLSSLGYTVFGNVRSSQSSYDKLIASNSERTAAATGKI IPIKFDVAQDQDMGTAVTE
IEKTCESGLDFVGI INNAGINPEGDAIAKSYMEDAKGPNKLDATATVTRVMETNVVG
CFRVTRSFPLILAKEKGRVILIGSYFGTLAGPIGLSHVAYESSKHALEGLADGLRRGLKK
EGIRVSLIKPGNIDTDMNPLGDKVSPDEVSKDILAALEAKNPRARYYPGTVKGIPTRLLC
AVFGLLPAFVTDKLL

>comp8120_c0_seq2; 283 30 977 LEN=1127; translated
MVPIDNIKHLFSPLPTAIAAVIFSCWLFAGRIDSHTPNF'PDQRQKSAVLITGASRGIGK
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IEKTCESGLDFVGI INNAGINPEGDAIAKSYMEDAKGPNKLDATATVTRVMETNVVG
CFRVTRSFPLILAKEKGRVILIGSYFGTLAGPIGLSHVAYESSKHALEGLADGLRRGLKK
EGIRVSLIKPGNIDTDMNPLGDKVSPDEVSKDILAALEAKNPRARYYPGTVKGIPTRLLC
AVFGLLPAFVTDKLL

>comp8122_c1_seq1; 291 1 1182 LEN=1651; translated
REFLVSETKRIGETRFAPLRTRNADPVRSLAAPMAAPGSGSFGSGVSAAVFAPFLMVLGF
MIWDDHWTKKDGSAFSLNMFKCNLAAAWFLVVVATHCAGEENKNPSLLFSSQNPRNGTL
AGGVLEAIGAKIDPFRNDDVWYLYASSAVGILIGDWTWIEGLKHLGARRVIVMDSLKPFL
ASFAGWLF'FGETFRDPILASIGLVLTVAGVALVGFEMETEKEREHDPEDGGPMDATAQTT
EDGRRRAAARASHRYGIFVAMSNVVLHTMGASLTKNFGAGMTTWEINLVRFGFSGLCMLA
LSVSLGLRDRFVRSARGPPLRHRGFLRSDPAAPPPGPAYGSPVPAETKAVAPLRSPARPR
ADRGARWYELPELSRDSWVRVSLGVAFVSFLFP

>comp8123_c0_seq2; 135 1 269 LEN=269; translated
XQQQQQQQLQQPAKRRNSLSYQSSPVTVTEFN'AAKNPFDDVICAAGTGRSSFRQQPPLD
PQTGQQHYHHHQQQHQQHQQQVVRAPH

>comp8124_c0_seq1; 317 126 1073 LEN=1414; translated
MGKNSDNPKSATKKTGPKTGHSRSYPRGVGLDFRKLPLGLTLVSYIDHHGVKVRPEAPP
SELAVAVARHFEQMEVNEEDVIGGFLELERLEQGPTVATEYSRKTQRYPVKLPGNVVGNGKT
PTKGGKKGDKGKDSKMN'IHQNAASMNSSRVSNRKRTKWAAR'PGEQVAAKVTRTDENGSWI
LASVQRFYVDNETYDVQDEDDT'SKLIRLPWSHVMRLSTGAEGCFLKGADCMAIFPETTSF
YKSKVAKSPVWKL'EHGVPCVKEI'VVQFEDDEDAVTGKTPKRRVPSRYV'IPVPSAYFYDEH
EDVDLSPQIMTNR'AK

>comp8124_c0_seq2; 176 944 1672 LEN=2013; translated
MEVNEEDVIGGFLELERLEQGPTVATEYSRKTQRYPVKLPGNVVGNGKTPTKGGKKGDKGKD
SKMN'IHQNAASMNSSRVSNRKRTKWAAR'PGEQVAAKVTRTDENGSWILASVQRFYVDNET
YDVQDEDDT'SKLIRLPWSHVMRLSTGAEGCFLKGADCMAIFPETTSFYKSKVAKSPVWKL
EHGVPCVKEI'VVQFEDDEDAVTGKTPKRRVPSRYV'IPVPSAYFYDEHEDVDLSPQIMTNR
AK

>comp8126_c0_seq1; 962 1 3234 LEN=3265; translated
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CLDNDNAGVA'AVVRLCIGSDP'ILLSVTEKSNVEFFVANLPESVKDPADFL'EEHRGLEGLD
EKFRVDVIDEAI'EW'QWHMNSMVAAYNPSAGDGEDGSFGEI'FDRLASFLSVFEDVDDRMK
KAAF'IAPKLADL'VDRNQKNEKSDINRVEASST'RLQLASNLVERASNVAHSRAMNAQMKY
ELSSGSTEKGPI'ISKSLEISQDIALADGMKNKVNVRNRSQTPRHF'EP'TTTTDDDP'SKWRQQQS
PMQRQRAQ'INHRNAAKR'LPRPMTNHIAGIGGNQFDEEWL'GVT'KDKHTNERI'PLRYELTYI
AGNQKYVGP'ESSVRFNKNYHGTW'TTPDATAAGYVATSSSKGLDFLEKGTSSLI'ESNKAV
RSLFVEDFLLSILV'RF'AEARTSLNDSIRVTKASGFGGHI'QWSAPEKEWLFKCLIEE'IDI
PEGIVGIDDL'PAMRSYLSKR'PD'AFPGAFSSIAKQDDHSYKVN'DKMKSSSTKLC'CDMKQKNQ
FEKKMETILKMLL'HEGDMEF'PF'EQVTRPLD'SPMITKIPKIPV'IPAIGE'EWSDSAQIEGYA
AGDMPDFGD'DAMYLNGFDDSFMDSIGPIKSL'ESLDGEALTEKISP'DENATENT'STDDSA
LAIAI'PTLEHAKGNSSIEGSENVLQKAALSDENR'KSEIMDVNFVVAE'EGTIVKEGTLDRL
FMNRLETYDI'FSKFYADEDTMTIGSNENKAKWASQDLYTIL'QFTSVLKRVEAGRKYMEEN
GLVHFNDTISEGSESSI'ISKNSTIPETVNRD'LL'EYCSSRAFDRGLRRDL'QRLR'LTLEKSN
QATNRI'LAMMGADFTDRSAEIRGYSWLG'NVLKFNEVKMVEWNDI'IESKENFRPSHEGLE
LKDII'YSDWNE'LSDPDEMYE'FDKSVDLNHRSHF'THLVIDR'PDSESTKDFTERVEDEWDLQ
SWDQEHDKQQDIEGGDFERYDDKDNLLSNDSTEVNGDGKYH'DHSYSEDFTAGNGY

>comp8127_c0_seq2; 54 645 1059 LEN=1059; minus strand; translated
MPIPSQNTASSQCIQKR'FADGYIT'TQHGSAGVVELNVEQLAHLQDVAPDGGRTAVRALQ
FAGCPNIRKCAQAGSVAQERQ'RGDEIGCGPPQKYKRR'DGKATTEHRHHPNGIRGDRVPGA
QKGPECGWKGSP'PQETS'V

>comp8128_c0_seq1; 665 1 3159 LEN=3210; translated
XGTTNYYVGSXSRPQQKATTYAAVQITSTIQYQMVKTTRRPMFLSVLIVLFFVIGSLSNNR
FFVSALIDCTFGDPVLGNQQCVQAYRSGSVCNENGFCSNPFRRSGCLRQVLSSDESFFVRLR
ACNSDDDPGAEDRGECVAGDYEEIRMLSQDWEAPMMTSWIMQIILSEVLGVPTTLETSSQP
NSEASMNFDYDPDLRFYSYNDTYDYDAIRTSIEHGSCADIRKKNEKQGWYRSCADVMPEAW
NGQNSNIEEYVKDGIIEPSTGSGKEFCPHVEIMKVSXGKXHRVVLQLVIAIADDDDDND
NDDEDMISQFAHFVMDPRKTSTGGVAKFSWYIPKFAAEKHFYVLSHYGMKEGTDLEVRRR
LAELFLRPRKWKFFCDEVSPDNCASPFYDEEGRLIAARAPEDESEEGLEFFKAGLYHGHS
ASEENDCDANPTTCTGHIASPPCTWTNYYVVPQLHYLGIIPVWSSGTSTAAGNYKYGEMVGI
YHAANYTRSNVLLYWYTPDPTVQEYMGTDAEFTPIFLPQATVECTENRITEKQRCCKNP
DWIGEEAGSCDSESAVQKLVVSNMYNRTYGNDKASRSPAYRFIKGFRLSDLQLEFIYRR
WYAKGIDRWNYDNREAVCSWVGDNDIDILKDFIPDTFPRSIRKSEYGSPIILITASAVAAIA
IVLVVTTSLMTFHYRHKRVMVYAQPVFLYMLLFGALSLSIGAFSSLPPSAATCILEEFW
VMVGYSFVLVPLIVKVAAINVLFQSAAKFKRVQIAHKKLYKTIGAIIGLVVVFLTIWSIV
DPFTKTSRKYLGTGETNTHGGEIVEMYFTCSSKPIWQIILFVYVFLIIAATVLAVQTRK
VKQEFNESIRLGHVVYTHFLIELLLVLVWILGPDHLRRTLANDAAAISYLLSANILIIIL
AVYFYPKLVSAKQDDYRGSISSISGADFGSFMQQPRSSLRFDFFRASSCESAGFIRGSSD
GLHGGSSSNRSSEMFRNDADKKILAI PNGREVIVDDHDHGHGVDENDKDNENPDAPSNA
KAQRRSSIRVGEKAGTNGFSNTDRTVLSQGAE

>comp8128_c0_seq2; 658 1 2979 LEN=3030; translated
XGTTNYYVGSXSRPQQKATTYAAVQITSTIQYQMVKTTRRPMFLSVLIVLFFVIGSLSNNR
FFVSALIDCTFGDPVLGNQQCVQAYRSGSVCNENGFCSNPFRRSGCLRQVLSSDESFFVRLR
ACNSDDDPGAEDRGECVAGDYEEIRMLSQDWEAPMMTSWIMQIILSEVLGVPTTLETSSQP
NSEASMNFDYDPDLRFYSYNDTYDYDAIRTSIEHGSCADIRKKNEKQGWYRSCADVMPEAW
NGQNSNIEEYVKDGIIEPSTGSGGVAKFSWYIPKFAAEKHFYVLSHYGMKEGTDLEVRRR
LAELFLRPRKWKFFCDEVSPDNCASPFYDEEGRLIAARAPEDESEEGLEFFKAGLYHGHS
ASEENDCDANPTTCTGHIASPPCTWTNYYVVPQLHYLGIIPVWSSGTSTAAGNYKYGEMVGI
YHAANYTRSNVLLYWYTPDPTVQEYMGTDAEFTPIFLPQATVECTENRITEKQRCCKNP
DWIGEEAGSCDSESAVQKLVVSNMYNRTYGNDKASRSPAYRFIKGFRLSDLQLEFIYRR
WYAKGIDRWNYDNREAVCSWVGDNDIDILKDFIPDTFPRSIRKSEYGSPIILITASAVAAIA
IVLVVTTSLMTFHYRHKRVMVYAQPVFLYMLLFGALSLSIGAFSSLPPSAATCILEEFW
VMVGYSFVLVPLIVKVAAINVLFQSAAKFKRVQIAHKKLYKTIGAIIGLVVVFLTIWSIV
DPFTKTSRKYLGTGETNTHGGEIVEMYFTCSSKPIWQIILFVYVFLIIAATVLAVQTRK
VKQEFNESIRLGHVVYTHFLIELLLVLVWILGPDHLRRTLANDAAAISYLLSANILIIIL
AVYFYPKLVSAKQDDYRGSISSISGADFGSFMQQPRSSLRFDFFRASSCESAGFIRGSSD
GLHGGSSSNRSSEMFRNDADKKILAI PNGREVIVDDHDHGHGVDENDKDNENPDAPSNA
KAQRRSSIRVGEKAGTNGFSNTDRTVLSQGAE

>comp8130_c0_seq1; 481 1 1375 LEN=1858; translated
XTLLFYPFVSFFTKHPQGHNLGLDHSQADENNIRNEYLDKSGMMGISYKGNKNSPRMICYN
AAKSYQLEWYKRQRLSIDPTAEVETKNDNVPNGAEQTKKRTRTFVMNGVADYKRNKGP
RLVSLRLVQSSGTTTSSKRKSKPRTDYVGYNRAVGNADTKEDANAITVLEALRAGGSGA
RAKKSWKLASLSYKQRFLLRDFGRSSAFVEVRLLSGNLSSGPRDAEIAITSYHKAATGS
ECGVGGTATDHKGRNTRKNGTGFFELEGKTDYGYETWWQLRLDDGTDGNGSDSGSDSES
DDEGYVDFGSGYGPSESAFGATHLLCPGECYVFSIHDLYGDGISEDSSGGYYRLSLAGVDL
FWSGSSSNNTNNTNFGFSXVPPVLCATAGDPRRGVQGPRAAPVQERSDQKLRLGRRAGTE
EDEEAVQKEMEGKDPGGVPPPHVRGLLRRRRKRPLEARW

>comp8130_c0_seq2; 528 1 1527 LEN=2010; translated
XNHRPVLGRAETAEARLGPLGEQFDLVLFICIPSGTGHWAETIGRFDSYYNDEWCGY
ISAQMHEVGHNLGLDHSQADENNIRNEYLDKSGMMGISYKGNKNSPRMICYNAKSYQLEW
YKRQRLSIDPTAEVETKNDNVPNGAEQTKKRTRTFVMNGVADYKRNKGP
SSGTTTSSKRKSKPRTDYVGYNRAVGNADTKEDANAITVLEALRAGGSGARAKKSWKLA
SLSYKQRFLLRDFGRSSAFVEVRLLSGNLSSGPRDAEIAITSYHKAATGSECGVGGTAT
DHKGRNTRKNGTGFFELEGKTDYGYETWWQLRLDDGTDGNGSDSGSDSESDDEGYVDF
GSGYGPSESAFGATHLLCPGECYVFSIHDLYGDGISEDSSGGYYRLSLAGVDLFWSGSSSN
TNTNNTNFGFSXVPPVLCATAGDPRRGVQGPRAAPVQERSDQKLRLGRRAGTEEDEEAVQK
MEGKDPGGVPPPHVRGLLRRRRKRPLEARW

>comp8132_c0_seq1; 580 199 1377 LEN=1573; translated
MQKQEKISWKDNTLALIGSDLDHKVKAAAAQGEDAWKIGTKAGLTVWRIEKFRVEPWPE
DQYQGFQFQKGSYIVLRSTGNPPNLQHDLHIWIGSESTQDEYGTAAKYMVEADEVLGGA
VQHRQVEGLEADDFVSCFDRLEYLEGGISSGFVKVEPTKEKPLFFRYGPRENRKEGELVQV

PMDVSSMDSRSGFILLADKATVWVWHGKEMKIMDKIACTQRGEELCTLGTVTVLDQGD
DDEEFWNYLYHGGSDKAVGSRSIGTCPTGAKPRTSLASGLKEFQPKIFVVPEDPSAPLEH
VGLGELIKKAVLKRPMGFLKRSSSTLDEDNVYLLDTGWKMFVWIGKNANPGEKVAALGAA
DRYAAIEPRARELPVTVLKSQERDGFERSFFK

>comp8132_c0_seq2; 531 1 1216 LEN=1412; translated
XASPRLASPCQNTTQHESLRPAVVLRRRLTVGSDLDHKVKEAAAQGEDAWKIGITKAGLTV
WRIEKFRVEPWPEQYQGFQKDSYIVLRSTGNPPNLQHDHLHIWIGSESTQDEYGTAAAYK
MVEADEVLGGAAVQHRQVEGLEADDFVSCFDRLEYLEGGISSGFVKVEPTKEKPLFFRYG
PRENRKEGELVQVPMDVSSMDSRSGFILLADKATVWVWHGKEMKIMDKIACTQRGEELCT
LGTVTVLDQGDDEEFWNYLYHGGSDKAVGSRSIGTCPTGAKPRTSLASGLKEFQPKI
FVVPEDPSAPLEHVGLGELIKKAVLKRPMGFLKRSSSTLDEDNVYLLDTGWKMFVWIGKN
ANPGEKVAALGAADRYAAIEPRARELPVTVLKSQERDGFERSFFK

>comp8132_c0_seq4; 532 1 1438 LEN=1634; translated
XASPRLASPCQNTTQHESLRPAVVLRRRLTVGSDLDHKVKEAAAQGEDAWKIGITKAGLTV
WRIEKFRVEPWPEQYQGFQKDSYIVLRSTGNPPNLQHDHLHIWIGSESTQDEYGTAAAYK
MVEADEVLGGAAVQHRQVEGLEADDFVSCFDRLEYLEGGISSGFVKVEPTKEKPLFFRYG
PRENRKEGELVQVPMDVSSMDSRSGFILLADKATVWVWHGKEVGTTRDLRDLRGLCVCVCV
VYVVCARSVDWESAVDAFLDRRMLVCLFLLSILFWCPGKPELTRLSSKHEMPFAQMKIM
DKIACTQRGEELCTLGTVTVLDQGDDEEFWNYLYHGGSDKAVGSRSIGTCPTGAKPR
TSLASGLKEFQPKIFVVPEDPSAPLEHVGLGELIKKAVLKRPMGFLKRSSSTLDEDNVYLL
LDTGWKMFVWIGKNANPGEKVAALGAADRYAAIEPRARELPVTVLKSQERDGFERSFFK

>comp8132_c0_seq5; 581 199 1599 LEN=1795; translated
MQKQEKISWKDTNLALIGSDLDHKVKEAAAQGEDAWKIGITKAGLTVWRIEKFRVEPWPE
DQYQGFQKDSYIVLRSTGNPPNLQHDHLHIWIGSESTQDEYGTAAAYKMVEADEVLGGAAV
QHRQVEGLEADDFVSCFDRLEYLEGGISSGFVKVEPTKEKPLFFRYGPRENRKEGELVQV
PMDVSSMDSRSGFILLADKATVWVWHGKEVGTTRDLRDLRGLCVCVCVYVVCARSVDWE
SAVDAFLDRRMLVCLFLLSILFWCPGKPELTRLSSKHEMPFAQMKIMDKIACTQRGEELC
TLGTVTVLDQGDDEEFWNYLYHGGSDKAVGSRSIGTCPTGAKPRTSLASGLKEFQPKI
FVVPEDPSAPLEHVGLGELIKKAVLKRPMGFLKRSSSTLDEDNVYLLDTGWKMFVWIGK
NANPGEKVAALGAADRYAAIEPRARELPVTVLKSQERDGFERSFFK

>comp8133_c0_seq1; 305 199 1896 LEN=2497; translated
MLEYNSDIHRSHEQAGEVAATSNAVKNNGNPVGGASNQTKDSLEGSVHKKRRRLTDGTDN
FFVVDDEVQGPIGGLSLTPKIRRTTEGGNRWERLHWSKSPNLEDTKYADWKIHVRLDSNVD
DDKRRQTVDHKNSIVTTDATATTETRTTNTVTYSVHRSCLGIHSEYFEKIFLGGFSEHIK
GESTVELESPTITLEHFEMVLEYCYTKTVELNPSNAIPIILSLSDYFGMETLQNLARNFIR
NDMHRICRHDSKVSLEKSSRLAVYESSRSMGMQDLEDGILYVCSKEPQILGKGSALAN
MADADFWCRLWDFRKMHPVPAAHATASVKTWSENLAYFFETHRALVDTKLFRTLTHNDAL
PIISEKVAILLMEQEEHHCLESIKNNPYIVNSSLGEALSCLQTRCIDALYNTKKGGWQFY
TDSKALRGRRLKLSPIVMETILLKTI EFERSGQNPVPPVSGAGLEFVNGVYTMMSGWFQ
AMKFSKRGVYEGKLRTLILYRYEEEWVISIVPEDAEPEGRDGDVDIYRVSPSNEWDDCPL
PPLNGWVVAQGVQPAPRIHMLSNVD

>comp8134_c0_seq1; 290 1 1438 LEN=1614; translated
XKEVEKACNKKMGVQPLIVPLYLALFAVVSYHAQSFQPDQKRVAPNGGIIFHKKFVDGK
TSAPLQSSSSLPASAVPDETTISDNPWYSHSDIGRDRSHVQKHYNKLSDFKRYPEEQD
ELCADDRKDGNEENLAVDISNGSKFLLVSPNGMWFLLKSSSCRALPLYLTASQLEDVFS
LSEVSSNNFDDENNVLHLLAWVGKYDNQDYWVIYLNKANTGDHAKVLSRLTEVFSNESRES
SSMLDCKPLREFGDSLEFSDAGILATANGLEVFEHFIHLFCSLGGATEPTKAGGSRTCT
VVSCRRSVYPRIDSAAIMLITSPCENYAVLGRKRSWPPGRYSTLAGFCEVGETLEECV
ETFEESGAVVDPKSLKFFVASQPWPFPRSLMVGFRGKVMASNLVPESGTASISLPEIVD
TDEMEDIWFVAKDFVKKRSLSGSTALSFEFNEMEKEFHIPGKASLARYIITEWANEIR

>comp8135_c0_seq1; 139 102 518 LEN=518; translated
MARFSVATTALCLALGAPSSQAFTGIQFRPLTTSSPVAANGSSSVLHMNLFDRFARVAKS
NLNDLANKLEDPEKIMQAIEMQVSFFRFFVFNILFLPWDPGXFAGAVRSPLSAFFIDI
DSNIMHHTVTDAPLREQNDX

>comp8135_c0_seq2; 488 102 1010 LEN=1247; translated
MARFSVATTALCLALGAPSSQAFTGIQFRPLTTSSPVAANGSSSVLHMNLFDRFARVAKS
NLNDLANKLEDPEKIMQAIEMQNDLVKIRQSYAEVTATQRLLKQKEQCDAMAQDWYK
RAQLALEKGNDELAKREALTRRQQQAEAAASLQSQIDGQADSLDKLFEGMKMLETKISENK
AKKDQMIARARTAQSTQKVNMI SGVTGKASTDAFARMEEKVEALEASAESAEMGSITG
NALPGSSGASMEAQFKALEAASEVDNELAKMKGLLAAESSSESSKSDVDDELEKLRDA

GL

>comp8136_c0_seq1; 1238 269 2527 LEN=2644; translated
MTADAKSAVDVGADPYVWLEDVESEESLNFAKASNEKCLEALGDPKAGPTYDRVLEVLES
EDRIAYASCHGRDPDRDDQRMVFNFWKDKEHPKGIWRKTTTEDEYSKDKPAWETVLDVDAL
AEKDGISWVYKGSALLPRGRDPTNGKIVTRGLLKL SRGSDAVHVKEFDLNTNEFVGEED
GGFVVGEAKTRISYKGRDVVLVGSDFGEGSLTDSGYPRTVREWTRGTPLEDAPTVEFE
GEA TDVAVNGYLADERIWGGSIWQVHSRSITFYTSKYWFAKLTEDHLLKPEDRPADLPEPEFK
EMDIQDDAGLDYMGNNLLFIELRSDWTPKDDGVTYKQGSVIYCDFEKFWSGGKAAVDYSIL
FEPTEKTAYEYFTVTKNYLILSSTDTVKSKLQFYKLGDNNSITLVSGGNTTEAKIRDANC
RTIDAKESDEFWFTTSGYTTPTSTMYADLSKIEEEGASDKEDAFIIEKLSLPSQYNSDD
LVVEQKFATSKDGTETIPYFMIRKDIELNGKNPTLLYGYGGFEISLTPRYGATTGLAWLE
RGGVYVEANIRGGGEFGPGWHQAALKENRNKAYEDFIAVGEHLIETGICKPKTLAARGGS
NGGLLMGNMYVMPDLWGAIHCAVPLLDMKRFHTLLAGASWMAEYGNPENDWDDFLHQYS
PYHNIDADRASYPPILVTTSTRDDRPHGPHARKFVKKLWDMGEGKDWPVHYHENIEGGHG
GAADAKQSAFMTSLAFDFMFETLSENAKNMD

>comp8137_c0_seq1; 1400 247 4902 LEN=5025; translated
MNRFFLSIAAASLALVSADVNFKEMHERKLAMEEDHRVMEEYLSKSGTKSGTESGRQLD
ASFFQTPSPSASPSPKVPQTTPSASPTTSEPSKQPTTSPSAEPSSIPSRLSEEYGGPLWPS
ASPTNFYEPAPKCGTIETKDGSERLLGLPLDENYYCNGDSYAWYRRTFTTHYDYEFELSQY
CEYKFSSPETGSSVIMRDVNHWFQAATSLKGWDDVGYKASPDLYVFSGYAVPEYDDIEY
EGDIGDAECPENYCIKITGSPVGLNTNEELSDGSAEPYLLYAFSSWEGYSNFEGFLSSTM
YSWNAHHIFMTNHYLKCACPSFCIDEYYVQDFKPLATCYVEDICGVKTFQIAYSDDYPE
TQRVSWENTGTHVMEWFSECANVMHGCPQLASDFSPARFSGVGHFSSIRGPEVYTYDEY
ESATNVYGFGGWRGFGWDYGEPAALLWQCPSPEHLERLVEFGEMISDYSFFRHDSVDTSI
PDTCEPEPLIEPEDPIVDFDEGPPCTEVENEGFLFCFELKHATCYIRDSHKCFEFVIEG
VLDGAEGMRVTTDVEVWDSWCHFDGIGCDIPSYWDEQPPYTYENSPWAFVSWSDYQNWQL
EFQSGSSGRPSAIGGGNSYRLWNCDDATQAYLARDFTDAVAASSSGDLYQVPLDCTESP
TASPSMGPTSSTQPSNSPTMSPTVCGESYLNSESLNIDLALDLSYSTYLFLFSSEVDIGD
VNGDGKANTILDAQVQAI EELLIAILESETLGNRNCEINLISFHTDATNHGTFLLPLSEDE
SSINTRLMHYIKTELRAPTSDLEVQLTNDGFTNFDAALDLAGDYFEYEATPDRLNLLVFL
SDGEPNVRGDGDDDEGYCADTVGVWNSNPTNGFPAEVQCADLNLEAGVRHTFCRADDPECV
PRNPYQECVRGMTKCI NSPAVTQYSEINRLTEL RVERLAIGVG DASNVAEGSALWMIDN
NPGKDLGVLPIQALDLEALSNAKSLC ILNTDPPTAEP SHQPSDQPTSSTAPSVIPTDVP
SSEPTDVPSSSPTTEPEFTIETPSPTKSPTQTPTKTPTKTPTSSPSQEPSTSEPTGSPTA
FPTRLPSASPTSEPTTAEPSAAPSQYPSGSFYPSAPTESPTESPAPSQSPTDAPTTSP
VSPTVSP TLSPTASPTKSPTASPTSSPTNKPTFEFTTSP TDSPTSSVAPTFL LPECYDYP
KLVKKDSSDTGICFFSEDMIFIEQQNTTEVGLRINNVWSKTLPQDVILF SHSNGVNSVRG
GNGFECDS EDGNAIDL AGSDEIMVQCHSEGDGEPYLA VVDLMIIDSNI PVNDVNHP CNPN
EVIPNACSWRMVIPCEEDVMCTPEPTDSPSIAPTDVPTFGESTESPTTLTTFHSESPTTG
TTFHEKTESPTHDLDRHTNDDESNDIVYESECPEDIVLLEQEGVTEFPEGGLYVVGREDG
TVTVKLTQFTFDATVDSL FYQYQIGRFSNKCFEDKDVPTDSVDITILCTEHSKIALLEL
WVVDAL EHNLLSESDNSV VPECCHP THPEGTPATKYLF EIKCLTV CADAVE

>comp8137_c0_seq2; 775 285 2207 LEN=2330; translated
MTCINS PAVTQYSEINRLTEL RVERLAIGVG DASNVAEGSALWMIDN NPGKDLGVLPI
QALDLEALSNAKSLC ILNTDPPTAEP SHQPSDQPTSSTAPSVIPTDVPSSSEPTDVPSS
PTEPEFTIETPSPTKSPTQTPTKTPTKTPTSSPSQEPSTSEPTGSPTAFPTRLPSASPT
SEPTTAEPSAAPSQYPSGSFYPSAPTESPTESPAPSQSPTDAPTTSP TVSP TVSP T LSP
TASPTKSPTASPTSSPTNKPTFEFTTSP TDSPTSSVAPTFL LPECYDYPKLVKKDSSDTG
ICFFSEDMIFIEQQNTTEVGLRINNVWSKTLPQDVILF SHSNGVNSVRGGNGFECDS EDG
NAIDL AGSDEIMVQCHSEGDGEPYLA VVDLMIIDSNI PVNDVNHP CNPNEVIPNACSWRM
VIPCEEDVMCTPEPTDSPSIAPTDVPTFGESTESPTTLTTFHSESPTTG TTFHEKTESPT
HDLDRHTNDDESNDIVYESECPEDIVLLEQEGVTEFPEGGLYVVGREDGTVT VKLTQFTF
DATVDSL FYQYQIGRFSNKCFEDKDVPTDSVDITILCTEHSKIALLELWVVDAL EHNLL
SESDNSV VPECCHP THPEGTPATKYLF EIKCLTV CADAVE

>comp8138_c2_seq1; 158 1 1005 LEN=1149; minus strand; translated
XAMRCDLTRFDSILLVSSRLESNRFDYFSNRGVPTRCAAPPGELIPRGVPLPTDRCVFST
RRGSTRFGLVSDALRVPAGVPRGSLPPGVRPPVPEKVPAPGSHDRSAAPPRVAAGLAERV
APSACSRWGEGRALALAVATALVLALVLVLASPSAPGSGGPKAPVAEGAPSARCLGSSP
XEA AAAVAVAIAGRRGDP PGPVHDADGLSLGADPXFPPAGWTAAPGAAAQGPVGRPSPPAA
VAFAGAVAAFAVAGAGAPAGFGSGSGAIRRQPRRPLPPPTAALAAAAPPRDATGWSALRR

CLLVWSIDRRGECNALVSMRCDAKRAGPATGLGFV
>comp8139_c0_seq1; 283 137 1007 LEN=1451; translated
MRIYFLIKLILVAGTPSTNAFVVRQNRPPSSSTSLDVASVGIFYGTSTGSTEDVADQIKE
VFGDEADGPFVETLEGSVKDNFEKNTNWNTGADTERSGTWDEIYYTSMSELSIEGKHV
AVFGLGDQCSYAENFADGTGELHDFVQNLGAKLFGYTSTEGYEHEDSKSIRGDKFCGLLC
DAVNQEELTSDRVRNWVEQLKAEGFVEGSSSLEVIAADTIPESVAEPVEKVFQDIDEYSGL
LLEDETIKQHANTNTGFKAYYNEKTRSTMFVSLDGRSCYYTSDPSDIISP
>comp8139_c0_seq2; 331 137 1027 LEN=1471; translated
MRIYFLIKLILVAGTPSTNAFVVRQNRPPSSSTSLDVASVGIFYGTSTGSTEDVADQIKE
VFGDEADGPFVETLEGSVKDNFEKYDSIICGTPTWNTGADTERSGTWDEIYYTSMSEL
SIEGKHVAVFGLGDQCSYAENFADGTGELHDFVQNLGAKLFGYTSTEGYEHEDSKSIRGD
KFCGLLCDAVNQEELTSDRVRNWVEQLKAEGFVEGSSSLEVIAADTIPESVAEPVEKVFQ
DIDEYSGLLEDETIKQHANTNTGFKAYYNEKTRSTMFVSLDGRSCYYTSDPSDIISP
>comp8139_c0_seq3; 272 137 1119 LEN=1563; translated
MRIYFLIKLILVAGTPSTNAFVVRQNRPPSSSTSLDVASVGIFYGTSTGSTEDVADQIKE
VFGDEADGPFVETLEGSVKDNFEKYDSIICGKXNKIPKKVNLGLIQTENSPHQKISP
TLGTPTWNTGADTERSGTWDEIYYTSMSELSIEGKHVAVFGLGDQCSYAENFADGTGEL
HDFVQNLGAKLFGYTSTEGYEHEDSKSIRGDKFCGLLCDAVNQEELTSDRVRNWVEQLKA
EGFVEGSSSLEVIAADTIPESVAEPVEKVFQDIDEYSGLLEDETIKQHANTNTGFKAYYNE
KTRSTMFVSLDGRSCYYTSDPSDIISP
>comp8141_c0_seq1; 518 289 2751 LEN=2845; minus strand; translated
MNEVCDESKCRSAGGFLNVTNRFQCYAKSPEEPLLCADGYEGRIIDSEDKKAVTTEYPYT
SYPVTLLSYYTCCPKGFKSDIAIARHCSDPAQAIIVNNEEERSSTKLGNETTNNNYLYL
SMPCRDDSKRYPRMLTNSPFYSKYICCFDILSIDDADASNDSVEANLIEIDGEEIFMY
DNGIATTSTIADRTCDENKCRSTFVVTGKPACLGIGPNTYWPLSCSDGWEGRIIDSEYPV
WGTFQSSSINRFLHYTCCPPSPYKESPVHRQCSDPIIIDDTGHRNASCKNMYSHLL
RQQKHVHFYDTNNGDLQDSFLCCYENDDNSVVDNEEVGNSLVDINDLECIACRDYISI
NDEEPPGSLNLFQDGNPHCIPSCRDFHSPCIAWNTYGRMLPMTCTNPNFQYPNIVYTEVFAS
HDGKGTFNRTWECCNKKSTGPFIKDRAFRVTVWPQIIVAFIAAVFSIILISLSVSLVK
QRRQNQNPCHSRGSHFPLAEPASRPVNAWAKGTEQHLVEPSPEPPELQDSRRGRWQK
ARGNTKRNKRAIRQGFNGFNFYLLALLPDLFSSFCGRYLYGNVQYFNADRPYVIFL
MRMADSKNDYYTLEPAVMWGC'TANLYMNAVIVYEVFTLLKVSHRGARVSPPTIRRALI
QGALVYTTWAATAFCLHLFLNTE SIRGNMFPFLVPINVTIVIGVPTAYLCYVCFVIWYRCLV
PSMGPLAGRLRELAFYFFRIIVYILAWIPAITLLAKSSFGWVLTPEYFDELKSKNDNL
RAQYSIGLLLCMQPIVSALMALTKT DVRKAVFDLLKCSNW
>comp8144_c0_seq1; 304 50 571 LEN=791; translated
MSATDHLVRKEKTQAKLYDVESMEMKGESEANGYVILLKGSPPSPPESSSKKKAKKKKDDN
LPLAFMSLTSGNVIDACFGVVNP SRNGDTPARRSARDAKALLECDVTD AFRQTA VNAVYR
EGFEAVIRYEKEMGKLNLCITRCFRSSSIRRKA EEDIHKAFASLVTAVGESKPE
>comp8145_c0_seq1; 553 294 1691 LEN=1841; translated
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LLTSNDKIRDDVLDALTNRKIDPLLTPAQKKLQEGTRAVVRQLANDILPQISTSSTSASS
SSRRTPPLPFLPPVDPADVQSIGNRLFSAVSSQIQKNLEDLQEDLTDPIPKIPARLEKQR
EEVLQEARNVFLEKPEGLEEPSYTVVEESDLYEIRQYDAYSVASTGVMTELDGIAAGSA
FNALASYVFGENDEGKVMEMTTPVTTTSTGEMRFYLNNTDRIPQNTKEGEDNDVEIVKI
PAALLAIRKFPGFATDGEVARQKDTLLQALEMDGVELDVAHGAVVPHVVFQYNPPYTLPM
VRYNDIGVPVRSKVGVEPVVSLKEEWSVDEEVEDGDDISPSDVE
>comp8146_c0_seq1; 620 37 1863 LEN=2281; translated
MASAEIITAQITELGDKIKQAKADKQPKELWDEHLQKMLQLKIQFKELTGKDFGPPPKPK
KEKNVGAITEASDNKEKRAKKA EKA AKA AKA KEQQRLEERAAREKAKADKLAGVGADNFG
DLPLIRSQVVTDKIWTETIQDLTPSLQGKSVLIRGFLQVSRVSGKGVFVKIRSTMFTVQGV
CFQDDKKGISQAMIKYIAGLP IESIVDLKGTVTVPEQPVD SCTQKMVELQITTFKCVTKS
IQAMPFQMEDAMPDEGKESDVGAYE ANDELIQKRSDGMATVGLETRL DHRWIDL RTPAN
QGIFRIESMVGVLFRELLVKKGFIELHSPKMLRGSSEGGADVFTLDYFGQTASLAMSPQL
QKQQACACAGFEKVFVTGPVFRAENSNTRRHLCEFTGF DLEMVIKEHYDEVLDLSELF I
HIFDGLNKHCKRELEAVREQHPFEDLRYCNPTLKLTYAEGCALLREAGVEQGDYEDLSTE
NEKLLGDLVAEKYGTDFFFMDKYPLDVRPFYTMPDPQNPKLSNSYDFFIRGQEILSGAQR
IHTVDLLEERAKAWGIELEESYVDSFKNGALPHGGGIGLERVVMLFLGLPNIRKASWFP
RDPKRLAP

>comp8146_c0_seq3; 575 37 1774 LEN=1774; translated
MASAEIITAQITELGDKIKQAKADKQPKELWDEHLQKMLQLKIQFKELTGKDFGPPPKPK
KEKNVGAI TEASDNKEKRAKAAEKA AKA AKEQQRLERAAREKAKADKLAGVGADNFG
DLPLIRSQVVTDKIWI TEIQDLTPSLQKSVLIRGFLQVSR SVGKGVFVKIRSTMFTVQGV
CFQDDKKGISQAMIKYIAGLP IESIVDLKGTVTVP EQPVD SCTQKMVELQITTFKCVTKS
IQAMPFQMEDAMPDEGKESDVGAYEANDEL IQKRS DGMATVGLETRL DHRWIDL RTPAN
QGIFRIESMVGVLFRELLVKKGFIELHSPKMLRGSSEGGADVF TLDYFGQTASLAMPQL
QKQQACACAGFEKVFVTGPVFRAENSNTRRHLCEFTGF DLEMVIKEHYDEVLDLFS ELFI
HIFDGLNKHCKRELEAVREQHPFEDLRYCNPTLKLTYAEGCALLREAGVEQGDYEDLSTE
NEKLLGDLVAEKYGTDFFFMDKYPLDVRPFYTMPDPQNPKLSNSYDFFIRGQEILSGAQR
IHTVDLLEERAKAWGIELEESYVDSFKNGALPHCGGGIGX

>comp8147_c0_seq2; 118 1 250 LEN=943; translated
XQQQQQHYNHPIHPQHSAGLGQQQQPEMTRLPPSSQPTSGQTAPSTPDGPDDELGVVKLEQ
GEVTNNSAGANDITDKQDEDITM

>comp8147_c0_seq3; 118 1 250 LEN=877; translated
XQQQQQHYNHPIHPQHSAGLGQQQQPEMTRLPPSSQPTSGQTAPSTPDGPDDELGVVKLEQ
GEVTNNSAGANDITDKQDEDITM

>comp8148_c0_seq1; 356 426 3122 LEN=3198; translated
MAFEQPNSNRNSDPNLVKKRRIGSGAHHHGHRDWREAPSFLDATSSVAVSTFGARRLPEL
ONLYHCYLGDGASSV DATLDIVHETPTLLSGGGKTSSRHLRRRTTAVKSRKHRHRYPRS
HRHRNEQGT VQNPPEYRGTTRKSRKKRSL LIRERQKWL TNIAHND DQNE DNTKDDKHGK
KKWLVT HLWHAKRFHTLSTAPTRAKNGGKSGDDMEENDVFGGWTGIPLVHTNRGPRAAL
RLSREQPF TAAATSPSVLIRDVTWEEQPTIFRAEISTSGSADSNGNPK EFSWSGVFQRIS
RICPCLV SLLQNGHEEQAAFCESLAVDGF LHELDAFPAGAIGPTTWRLLFPNYQHNN
NNRTAVFIEVRCHPSIHTELIRIAEQ LIQTSGDCALQLCRVSSY GASIRTLTPMSPKICF
RLYGMESTTVLDRVLKPKSDSLSLRSL LKPEHGEGRTPFSEPLNGTVVRIEQAEISSS
GTIATNGVTLIYRAPRPLDCSANRAISGWSVYCS DGVFASALW LALVT FDDGASTHRLEL
QETSTTVR DIDSSNCEL LDQSQPQIKIRGCCAIGLVEDSHLRLECEPPLL VFP RDNVDTK
ESQRYWTKSSSLSPWDIRQLYEGGWGRLPINKACRLDKLSIIDFRVLANTVDCNKNG
IGTGS EDGFTTDHVVVVVRGVFGKPF LNAIQCCGRYVPNTLVAMGKEKEEDHDHRRNR
RKTRAGNQVIVPPPMSRDDR T SFGEMCRGLSSSLSLPAVLMVHIRAMGKGTIRSGMQIVC
AGICDSESDVSLGTITTTGGFSTSRGV DHGIGVVGATRLLEYLDRSTGTLSKGLDADGNNN
NCTGDNHNSNRRI FNCGRVVPMTNGIQSLQLLVRVKN GHPSGGSKTMGCDACL SAIL

>comp8149_c0_seq1; 262 117 869 LEN=1092; translated
MTAATNHRSRKFSLLKSKRWIFLAFATALSWILTESNSIALGAEVATPAASDEPEKLGL
EPIELTSKDFAGIVGIGDMVWLI EFYTPSCKYCVQFEP SYKAI AQQFHSDPDKNIRVAR
VNCNAEKALSTRFGIHQYPSFFIVTGWDVYELDGAYS VTS LIEAAKGGYEKKKPI SFMNS
PMGPLGLLQ GALIFGGS RAMEFLEHLNETYNI SPMFAGV IICVLGVSCGMIS IILLALVS
IPRGGREKID

>comp8150_c0_seq1; 1008 276 2765 LEN=2853; translated
MHR S I TTRGSSILRAASQKRAIGRTC VIEQALPVVGNFNGYSTGLMSGQNVNDSSS INNR
IIDSIFSSNKILPNNYTKRHSAPKTAFSPTAHGRRLFSTAATD TDS DSDDEHHDSSSPT
VRLRSGVRNVAIIAHVDHGKTTLV DQLLRSAGSSSGDPTSN DGGGDTDRLLDCGDLEKER
GITITSKVTRIDGYTPSISPTGN ESTMILNLVDTPGHADFCGEVDRVLSLVDGVCLVDA
GEGPMAQTKYVLSRALQADLP I VVVLNKVDRRVS FDKVVEGDTEISLEELMEQLGASQEQ
IRFSL ENAIFYASARDGWVTQDL DVLTEIVEQKVGSTDVNTSMTLLLDKLEL IPEPSV
KVHNEATAFRQPNKSSMKGEDFVDDRFLAAAVTVGYDSYLGR TCTGRITSGHVTANDTV
TVLRRKNPDHHEQEONQKNEPTVAPTLLKGLFVNKGISRVPLESEAAYAGDIVTLAGV
PDSICVGDVTVTGVNGNSDGV ERQVLEAIDTPPLVPPTLSMEFAANNGLAGTEGTEVPTPT
KLRNRLIAETDNVTLTVESSARDSERTNVYARGELQLGILIEQMRREGFEMVISPPSIV
TTVDEGTGALMEPFEEVTIDVDSEYAGYIVSALTADRKGILLEMNESTDSKTRVLVLEVPS
RGLLGFPESEAASATRGSAVNVHVIYIEDRKHVGPLDGLERGLISSDRGKATTYALASLA
ARGTLFVEPGDVVYPGMIIGENAKQGDLEVNVPRAKQASNMRTQNKDEKVYLAPPKMTV
EEMIGYMSPDEMI E VTPSTLRLR KSELDP TERKKAARVKKQQRDARKQK

>comp8151_c0_seq1; 397 1 1810 LEN=1959; translated
XLVGTMNEKRTNTPTNRIKFSPLDMEDRFVDGDHSHDEF SYKSQ LQGGNDASPTSIGRNP
TAASSVDPHAHGLGGDLKSAVVGIIKGMVGPAILYLPHGFAKAGWVIAVPMLFASTALYL
ASSASLLECWRVESTNRKLSFERIGNVVGTE DGRQTVLEMKELRRSSSGRSSVGECLSEN
VSGEEFENEFL EELVAEKDNNTKHIPASTTPALTTPSY PDLAKKAFGSNGQNLVKIGIAA
MQSGVCLTYLIFVPQNMRS SCHYLF GMDVSTSVFLALMVIVQIPLSWIQEIRHLTVTNAL

YTDAAPLLVSCGYWDNTVKVHSTDAWKLEASNHGGHRGAI RCLAMGEDAGLLVTGGEDCT
CRVWVVDHPEMAAVLSDGYLQTALGRPPNDNHILT CCHVLLGHESPVSCVALSSEL DIAV
SGSVGGRICIHKLRTGEFVRSFRPLAPSGSATAPPASGRRD AVPVTKLILEEHGRMVVQM
GNHRLTTYTVNGVCLCSSNAEEQI HDMKINGEVLVTGGETGRVYIRNLSTLKI LSGMNL S
KHGPIRCVSFTPADQNP IPQFLFIGSDDGMIRSSSKTFDDGVTDTAAPNKRHETA EFLDA
PDVILYYL

>comp8158_c0_seq1; 284 177 1320 LEN=1320; translated
MLEQLSPYEKMRLERIKRNEERMRELGLDKYPLLF SSKKKQTTPPNKKKQPARVVTPGQE
RRSQRNQKRKKPIESQNDHFSDDDEVEDDEVDVRRPYRKRLLLLDPVDYRLSSADRAAL
EGAADENFMGKFQEFLEFHDKISPANVKNVMRQARKLASGEGIRYESPRYGWAPGRYFQK
GTPITPMSDFVGLMAKQCECEDKWGRDHGNGWLI SHPLKLLLLFQQFVLQHPDFLASDLR
LKEYCAEEKQRGSVRSGARCAACRRRKDKGSGLVLP RAPMAKIGSCWQYGDKTCNCPKSV
VRHSQQIAKYRGEIYNNTENNSAYYAPVGE GTEYLSLI INYNRTRRAAMARIVSSWWSRD
KNCKCYSQQYDVTNKS HFVMV

>comp8158_c0_seq2; 284 165 1308 LEN=1308; translated
MLEQLSPYEKMRLERIKRNEERMRELGLDKYPLLF SSKKKQTTPPNKKKQPARVVTPGQE
RRSQRNQKRKKPIESQNDHFSDDDEVEDDEVDVRRPYRKRLLLLDPVDYRLSSADRAAL
EGAADENFMGKFQEFLEFHDKISPANVKNVMRQARKLASGEGIRYESPRYGWAPGRYFQK
GTPITPMSDFVGLMAKQCECEDKWGRDHGNGWLI SHPLKLLLLFQQFVLQHPDFLASDLR
LKEYCAEEKQRGSVRSGARCAACRRRKDKGSGLVLP RAPMAKIGSCWQYGDKTCNCPKSV
VRHSQQIAKYRGEIYNNTENNSAYYAPVGE GTEYLSLI INYNRTRRAAMARIVSSWWSRD
KNCKCYSQQYDVTNKS HFVMV

>comp8159_c0_seq1; 320 184 1605 LEN=1744; translated
MSANKNQTGEGRNELQEVTLTRPSSKNDNSKNKST DVVLWITYINIVLYALCYQLQRPVE
PYLIESLVAKKEEGHLLSSTTSSVNQTYGNLQS FFSFCQMFSGPLVGILLDRIGIRKTSC
VVFVASALSYAILAWASDLKLLFVSKIPTVFQAAFLVAQATAATTTGDNATARAAALGRM
TTAYTVGATIGPALGGYLAGQGDFYVGAKLAVAGSLLSAVLSLSFLPNHSALQQEQTKSE
KDLPKIRKRSSFLE DARHSAKIMCRPNIWPLLFVKVIGGVCSSIHSTALPLVLTQLLHFE
PQQLGLVMSCGMFAVAFFGAF FMAPLTKMLGSYGMNAGMVSRSVLGIAFSGIVTIYSSL
LSRGNSTSSMISSDFVLIQVIVISILHALSQHV L ATGLTTQT TGNVEKEEQGALLGLEHS
LFSLARIGGPAIGTALLGIGGVLPVEMTCGSIDVLTTFVFLYVNLPPSSKQKGP

>comp8160_c0_seq1; 537 184 1692 LEN=1784; translated
MSSKKNRNRSRKDVARNHGGGSESDNEKNNRGADPPPASTRPP TTRQRPNQEGDGD DFCR
PTKPPARNDSSSGRRLGLAPTKSSRRSRRNSTSD LKKVPAATSDATDKKSAASEAISK T
EAKASPKNPSAEPTVHRQAKNSPDRDDAKLPQKQGSTK KGIARSQNVAKNSGTEKGM EK
TRVTPSAFRSVSTSGPNSGNTNNHAGRNSFN DDDG SQADQTLSTAPGPPSLRIRNHYS LR
PGAYRITTTGGVARFVDANDDLNDTALDI IDDNVTTLDPTLPFGSNFAQDDYMP LPPPMR
PTTSDGSSFYDFHSNRIGGSQESHGQLTYGSRGGSNGDQNTGGAVSTVPTAETTRSSGER
SSSRTRSKRKKSSRRDIPSVNKTVNKTESTEISSTRPRFTTRFLLL MGCLVILLLVCVS
VTVVYARAGNLRSKEDQEKNGVIMISEDSEDEDDDDDDGDNSFYFKIREDQEDFGPEAN
SIVEQMOMNSIAPVPVENPAEP

>comp8161_c0_seq1; 223 185 607 LEN=662; translated
MFDIQEYANAKGIPVESIPADVFDKAQ GKSYAIREAKDPMADTFKEICTKSQELLAACT S
ESGSSDGSSFP AACANEAVKHMECLINKRDTAYQLAVKLAGKDECEKVFPYYEDNKKKAL
DMIGIYKHS AEGEKASTFWG

>comp8163_c0_seq1; 726 234 2255 LEN=2652; translated
MSKNKGRRRRRKNKSKTEDRDDANVANDDDNNA AHKEHRHLHSPHLFSTDYDAISSKKKDR
SSKSSCNKNNDKIGNHKSKNSSFAKQRELQRKASADKQRHTSSYHLTDNKCGISGVGNHK
KVHSSKNVIFGNALAFPSGF EKSCQVATTSSKQLLSISDGLPSSSNRIGDRQSSSFRFV
DAGMGDGKTVLDYLCFGRHG NKYCNQHRNQHYPHHRNNEQEKRILED S IGEYQSTMARV
LETTNFGGCIARCYLSPSDLIRPIGSNDESSVTSNTDKQWTPYNSFPFQTFGCENNI EYY
GNNGSPLVYFVVGFGPDFDSEIAATLIKRESENAEQQPQHSLVNRLAQIVQEHDNDVVGL
FADLDYSNACRKQDGPPDSFHSCCDSY SNSNDHESCRQLQLQLR LRYTLKAAAKLDCPVQI
RILPGFNKDRCDGGNANSKHSSNNRSRTDGVEAETGEALDAYLQAI RDLATVLL EHS CYC
SSENNDMNQSCNATSIPPYSSRPWKVHISCWNGKA EHMMLLKAFFPATMTIPI SSTSRIN
KSNQNSNLLYFGFDGHVTF SKATHLHECAFEVPLDRLLL ETGGPSAIPSAVAKHVGRGAF
CHPGHIPFVAEAVAKQATKNPRTCQ NAYQYLYGKSGNIVLSTGEGDPPMTEVTAQVVAQY
ASKNIRELYGIAP

>comp8163_c0_seq2; 277 1 803 LEN=1200; translated
XALPISKLDPCPVQIRILPGFNKDRCDGGNANSKHSSNNRSRTDGVEAETGEALDAYLQAI

DDIARPAHEKLLPDWSQVGGCCRGRGRG
>comp8175_c0_seq2; 491 1 1477 LEN=1592; translated
XNNNNNNKNCHNSSIGSKYSTQEEVQEEEGXTDEHETKAMASSHPRFWMSLSSRFGRAGK
PRSETLMRRFSDSPLPARAQPRAASILRPKAPVTASERLALRAARKERAAEFLAREGAAG
GPSPSSSSPSSRRSMANKYFWYASVLVPSGILVWGFDPDSPPAKLSRWIGLTGFLEGYI
DDIARPAHEKLLPDWSQMPNVPHDIPHPHTLVLDLENTLVSSSWDRKRGWRHAKRPGVDK
FLLDMAQYIEIVLYSPSIDGIADPVVNELDKQGCIMHRIYRDGTYYHNGVHVKDLKLNLR
NINRMIVIDDDLAEVQFHPENVVRVKPYTDPNDRDNTLARITPFLIEIARENHSNIPEL
LGQYRGMDEIADQDRRVLYYREAREAEEMSHGLGLARMARRATADMEPELEAQDPAF
RPQLPGGSGQLSSRDIVGAGPPQARASSGLVGFLLNRREEEKMEAQQRKFEHWNEVMLRK
QKEKEARAKANA
>comp8176_c0_seq1; 455 158 1266 LEN=1602; translated
MDPTNGSDIRNVPTIDLSTISEEDAAEKVSKACSEFGFFQIINHSVSNELIESYLKCCRE
YFAASFGEIASVERNEGARGFFNDELTTQQRDWEALDVGVPGSRDWSTGDDIPENKCL
DGWNQFPTEDVLPNFRRIIVSKYFQELSLLADEIAVIMAKGLGQDESSPLIQELREKHSSY
MRANYPLCNETRDDGSKPLGISPHRDAGFLTILLQDADCHSLQVLKNDKWIITHPAGKF
SFTINTGDMAEVWSNGRYKAPLHRVLSNQTTRYSTPFFYNPSYETIVKPLKDGEPEPS
LFNDVLWGYFRAVRFAGDLTDLGVEIQVSHFLKENEDCAHQKQEIFGKEVNFNVPFNVK
EYSALLLQR
>comp8177_c0_seq1; 333 70 1853 LEN=1987; translated
MTNPAKTNKNSSTNSDQTNQSTETIAELRVTQTELTSGNQTKGVFARLSDGAVALRVTR
SAAEADVAXAAEARATKGRSVRIGVRYIGLVVYLPSTYPLLTRSKEPKQSKRLGAKQER
QEEASAYCLIQKGRKMPVTLFGFVLEILVVVVVLTAGESLALSASSPPPQNPRILPCLEF
DGTTPVPSQPSTADGADCPDFDPGFCGGRVCRKCYRDDYEIGAWERLSSLERGFALDAA
DRARQAAGSEPRADSAPAVELELMAAAWMSLAGRETTAKPEPAPAVPKGSRDGACDVGAG
DVLGRQTPSISLTSVPVIGISAAGSHQGGNILATADSGSTRVALPTTKAVAGNESPSGGNP
TTEAAPEPSGGEGVLTAMPHGLPPPTPCTRICRYNRDCYGGKVCIGCFRETHEIASWSGM
SPAEEKCSLEDAADRSDLSGRPGASPPRYGGGIAEDELRRQAVLWALDXDLLVTDSVE
RLAGVGVNRPTSWIVFCRAFFWPGGADNRTEEVLVQRKHGPCNDPQLMVLFLIGVLAVHC
TDQASLRIVLAPNCPIGPTSCDGAARDGEKYRFATKVVSTAIYVSVNSSNMLS
>comp8179_c0_seq1; 414 287 1581 LEN=1796; translated
MRLSAAANTIARRLKPFSSSKLPMTMASRSLSTAPKESLNDMQVVIDRYNPADTAANRL
PNDALDRNALYETEETREMGESLLPFTATGXKQIEAIEYDLPFHELMYRASTVHRMYWDP
SEVQQCTLLSIKTGGCTEDCSYCSQSTRHKTFVKPTPTMKVQEVLEAAARAKEAGSTRFC
MGAAWRELGNKNAFRHILEMVEGVNGMGLEVCCTLGMLTAEQAKQLKQAGLSAYNHNL
TSPEHYPNVITTRSYEDRLQTIANVRDAGIQVCCGGILGLGEEDNDRVGLLHVLAATLPEH
PESVPINALVSVEGTPLGEDDDIGKVDADFDMARMIATARVVMPTLVRLSAGRMSFSEAE
QFLMFQAGANSIFNGDKLLTTANPEFDADQAMFERFVGFKGPAAHKGPLMAPSESSGQVHI
THVTANEQQYA
>comp8181_c0_seq1; 238 65 400 LEN=527; translated
MSSNPIFPASRAELKALHPVIEITCADSKSEYDEVKSRYGHPVVADTAGAEYRARVTESY
MAVRSGEENGLFEDLIACNGNNIYDYAKQCKQVRDSLQMCIAIKNKLGLGELSK
>comp8185_c0_seq1; 498 305 1375 LEN=1472; translated
MPQTFLSAFNGLISLMSETTRSQFIDSLEQGI IQEEVLSQASAGPMVMLSFLFHELQNPFL
AKNNFDANQFLEGVSPALENFHNVSAALENELHAVSRKSQEKKTGEEENAKEKGETSEN
ISTEVGAVTKEEKDYLLSALQITTESDDSQSKQQRKNAEAILDYEWMNEARDRPDSLQ
LSRMVTKELFQINQLSSKTAFLLQNQSRNVLFREGSCQVDNVALLSARAFLFKEKEIPGS
SDEDNDNKPEYIEIIDYNFGDEYVEAGTAVGAQVEVLYDVTQEFQFAIGKSGDKRKDDISSE
SKASDQSENEYDTSTTIVSVATLEGWLRGGPEGGELRWKLASYRPPYEFPGIDHAY
>comp8185_c0_seq2; 498 260 1330 LEN=1427; translated
MPQTFLSAFNGLISLMSETTRSQFIDSLEQGI IQEEVLSQASAGPMVMLSFLFHELQNPFL
AKNNFDANQFLEGVSPALENFHNVSAALENELHAVSRKSQEKKTGEEENAKEKGETSEN
ISTEVGAVTKEEKDYLLSALQITTESDDSQSKQQRKNAEAILDYEWMNEARDRPDSLQ
LSRMVTKELFQINQLSSKTAFLLQNQSRNVLFREGSCQVDNVALLSARAFLFKEKEIPGS
SDEDNDNKPEYIEIIDYNFGDEYVEAGTAVGAQVEVLYDVTQEFQFAIGKSGDKRKDDISSE
SKASDQSENEYDTSTTIVSVATLEGWLRGGPEGGELRWKLASYRPPYEFPGIDHAY
>comp8186_c0_seq1; 456 147 845 LEN=1098; translated
MDRETAPIFRPLFAILCIAATAGAFSPVTRNGRVNIHASASALSGNGARSGVELCAVRPR
GNDNVQGRGDFLARLAGAVVATSSAALGAEPAEATVPLYYDPSSSLYLSEEIKTFDMSMP
SYSAINTLKADEKALGIEGAEAEAPVKGAKKAPKKAESSGGDSMLSSVLPMSMNKSGPKK

SSADGSKKKKAPKPKPEKQAPETKAEFFETMDFSLPSYSKETTAKKDFFSI
>comp8186_c0_seq2; 287 147 1102 LEN=1355; translated
MDRETAPIFRPLFAILCIAATAGAFSPVTRNGRVNIHASASALSGNGARSGVELCAVRPR
GNDNVQGRGDFLARLAGAVVATSSAALGAEPAEATVPLYDPLSLAVSGPGRLLSSNRASS
SGVVSSRDASSFSTRPKPIDARNDDRIDLRLTNPCLIFLPLFACLSVFRMVVSLALLCGF
ALVLSPPASSLYLSEEIKTFDMSMPSYSAINTLKADEKALGIEGAEAPVKGAKKAPKKK
AESSGGDSMLSSVLPMSNKS GPKKKSSADGSKKKKAPKPKPEKQAPETKAEFFETMDFSL
PSYSKETTAKKDFFSI
>comp8187_c0_seq1; 386 1 1330 LEN=2169; translated
XSASACEPTAVPHHSRQSAQRLPIPDRPTNTRNQHSTAFQPRQTAAQRAPPNPTQPNHLR
QKPTGSTAGCRTNTPHPPSRFGAFPMSSSSSSSAAPSADPVIRNRDMLALKNYITAKD
SNPRQGLSETLLIDLTHSNLVQKHIEIRFDKHDRLRDVREKIHQKTGTAPHFQTLKLC
SGQTLFEIDATDES YDRHKLGF FFGDPYANCGLVHCIDTNPLSGSRNGQYEDVSLVEKY
RMSDEEYDKRKGTLRDWAKVQLEKDESFTLARHAREHREKVEALREFKLGNSPLPYGYVV
DSTGKDIVKGDPEPDYDDLVEQRKLSQRKQACDHGSNETSVEGIFVGDRCVMPGSRGRV
SYVGPVRELD DRPDSFVWGVTFDEPVGKT DGA AIDPRTGARRSYFEAPPGYAS FVRGKNV
EVGDFPELDLFGDDDDSSDEDEL
>comp8188_c0_seq2; 93 193 885 LEN=1216; translated
MGCASSTETTNNHVTGETKTTSKLGGSYPGNRRQAHNPYTPPASQFSNGQAVSHFVSYGG
GNALVLKEGGIAQPQIGAGTAKQPEYIQVTLPPQGVHGGQTIHVAAPDGRLNEIIVPQGF
PGSTFTVEFADPNEAQPTKTQGSYGSPPATAAPAQPVPQASDYDDGFATGFNNPNFVQP
ATASSVGANDYSHYPSATDAQPIYAAEAQPVSNNTPNYTPNYTPYVTKP
>comp8190_c0_seq1; 532 299 1270 LEN=2158; translated
MTIAAEDNKAKCTSTFDLFCAKQMITQLDAEGYDDTVHLVSFGGWNGPHLPDELSDVDMY
NSWKELVGGTFHGVWDWLEGHDTLDNPTNVFSIECLEMGRFSMLAKRDGFIVGMAPPQS
YLDIEESRFSRYVNF TDPDRGW HGEFHYFGHNVYAYLLSKYGDYIDFVSVQFYESYSRAA
LEVFNHNVAPETYLERVYVDDLVSNKEESFFVDFNQDPSLEYPSQMVKLP LSKLVFGFPNG
WGAYDDAKDDNEKHCFDPTRIGIAYNALVDSRRAPRGFMFWVIDEEGTDKDVYFSRALND
VLKIRTKKENQNVFETKKTDSIA
>comp8190_c0_seq2; 494 299 1153 LEN=2235; translated
MTIAAEDNKAKCTSTFDLFCAKQMITQLDAEGYDDTVHLVSFGGWNGPHLPDELSDVDMY
NSWKELVGGTFHGVWDWLEGHDTLDNPTNVFSIECLEMGRFSMLAKRDGFIVGMAPPQS
YLDIEESRFSRYVNF TDPDRGW HGEFHYFGHNVYAYLLSKYGDYIDFVSVQFYESYSRAA
LEVFNHNVAPETYLERVYVDDLVSNKEESFFVDFNQDPSLEYPSQMVKLP LSKLVFGFPNG
WGAYDDAKDDNEKHCFDPTRIGIAYNALVDSRRAPRGFMFWVM
>comp8192_c0_seq1; 654 1 1950 LEN=2280; translated
QNGSNKVQSDKIETKIEENTDDKIDAVGTSSFKQKKKISRSIYVPPMESIVEETNEDES
SLGSSKASKSTITRKEKERLREIQILASEQARFEIEAFEQKMSKEEKAHLERARIERIKF
LAHEQLVLHTTKRRKSTAAHCIMEA INNGEHGDDNIMLMDAKERTMANIVSQLOKRHSEN
WIAKYGLMNEVDSKVATVYTGDDHIVETKSVNTDASNEKKKDDGGDTLVTKFETQDNEV
VAFDEGEKEEPMYLSKGMKWKQLEARRAANGAPPKQKAANENMKYSVSKVREQDMKL
IEEEESKEPEKPIFVTSPKDLPAGLRRRISDFTINHDSFDSILNKKTGNLLTMGNDDDQS
VWTEFIIGDEKGRELYRNEIKRRRPSYVSVEESVVSRRDDKSVMEYTI VGD ETL YDEET
ICDEETVISNWQPSIAPAPVAKHSSDDQSYMDFTFDNSVAISYIEDD VDIAPDRPQKE
KREPEEGEHSILHIFANRNSKIDDDMTQITMDYALMFQQGRDRDLLCQMKDSQRVPVH
AIATKKPTVVGDDSTTSRKRIREILWNDLYSCNRVTVSLALETLSRIESESESRKNVVR
MGGIVAILGTMEEYFEEEAIQYLSCVIIELLASVEPEARKIINEMEGSK
>comp8193_c0_seq1; 305 247 864 LEN=1050; translated
MLMTNSLAQTASDEGCATRPREDLLDSKIRDFPGRQVSSIKHNIRKPTVTFSSKNDVFE
IPRPTNEEKKYMHMSSEDQRKTIVEIADALRRLESYERKQNEASYADETQHDDKMI EEL
GLERIVEQQRSRDLDRVKS AIFVILQRQRQSKILQSSKLNIDEQWLKEHYRPFSELA
LARSRGLRDEEMAPSLFPRILIVMAR
>comp8194_c0_seq1; 933 102 2891 LEN=4111; translated
MTNVNPTQREKRNRSVND FGSQNALRGALSRMDARPGADTNSTWDPLSRRLSLLQSERKA
DEKTIGAIGSDLRTTDDIQMLQSV AQEAGKEVVDGMDIDMDDEERLREAMETESRRLAVL
KSYRVVGSGRNAAYERLVSLASRIFKAPISYITIDLASSHILAARGLGAMAENEGERRS
SICARTITTSKEEHLVIPDL SQDEQFKDHKNVGLPHLRFYAAASLISPEGYRLGTICVLD
TVTRPDGMSLDMMQNLREIAGVMVMVEERERKNFEYRQPSRMIATTSNDLMAPLLGIV
KGLSSIREDEGLLSLSSQEEIFNTAFACSSVMSRICKNSLDSFNKDRRKHTVVAAKEE
SKEEDEKDNLLVIRDLVKHLHVMDPFPKKVPLVITTD DAVPPVIVADELKVFRSVVNYL

TNACSKTETGSGVHLKIYKDETEGIEEGSEPRQSVIFLVEDTGCGVDVEQYQHLFKPIIL
STEEEDNSCTLATFGGRDATPVIKRTSLGLYSVATQISSIGGRYGFRPREFSESGSRLCD
SNGNELRGSIFWLSVPLALPYDKKESPGKPEVAILGSKTGENESDLTDEQMVEDDWADSN
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ANLFDLVLCDFLMPVMDGTDCVQQYRQFEVSHRPWFDQYIVGISAHACDADIERGMMKVG
NDYRPKPVMTMRHLEEILEGQEQYQVTSRLDSIAVHLEEEANAADTAKRSKPEKPVKAPQ
NEEAMKVLVVEEGKIIISTVAEKVSENMGWKSVVVHNGEALRLLKMRNWDVAVLLDEELP
GVTSCKVIENFRLWESKNRVNRQKNVFQVNSSFIPITGLECSAGVSSLSSSLVQLPSGFD
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>comp8195_c0_seq1; 80 1 458 LEN=1004; translated
XKNGWINDNKRIPOSYFDSSTNRSRTPARYRTEPYRQLTSRSPILATEDNEFVAVQNH
VSAVPSKNPRPGVNDGPSALLGGPGDGPKKFGDEEVAASVRLTTYQGTPFPWIAAKDNKS
IAKTFMFTDFNQAWSFMSRSALLAEKLDHHPPEW

>comp8195_c0_seq2; 229 150 620 LEN=738; translated
MNSLLCKTIRSPFRPRIRVPASTTALRHSSGGPGDGPKKFGDEEVAASVRLTTYQGTPF
PWIAAKDNKSIKTFMFTDFNQAWSFMSRSALLAEKLDHHPPEWMNVYNRVEVTLTTHDCD
GVSQKDIDMARAMETYASDLMPDGSKSYLSPKPTE

>comp8195_c0_seq3; 126 1 811 LEN=929; translated
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VSAVPSKNPRPGVNDGPSALLRRTGRRQKVWGRGSRGIGAVAHVPGNALSVDGRGLVAA
QTAKQNRDTPSGPPGRVHSEVFLHHQPSRSSRETGTNPCSGFLPVLVDSLFPWMNNXAK
DNKSIKTFMFTDFNQAWSFMSRSALLAEKLDHHPPEWMNVYNRVEVTLTTHDCDGV
SQKIDMARAMETYASDLMPDGSKSYLSPKPTE

>comp8195_c0_seq4; 70 1 457 LEN=1195; translated
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VSAVPSKNPRPGVNDGPSALLRRTGRRQKVWGRGSRGIGAVAHVPGNALSVDGRGLVAA
QTAKQNRDTPSGPPGRVHSEVFLFAPSTISFVP

>comp8196_c0_seq1; 614 84 1178 LEN=1447; translated
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ADVMDIKDVASFSGGKSPIDAAPQQIPEEAVAAPPAELSSPVQEVGDGSIPLPDIKDTMR
RKQAEVQKGPAKDEDSIMPKTKIDRGDRQALLKLEQDPYADGDDSFQEEETTVSALL
GERAKPFLGIPIGPLQVGHITIGALVILMAFIEYPGFPLTNLPTPIRDALQGGGTIYGI
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MKRK

>comp8196_c0_seq2; 533 84 1467 LEN=1736; translated
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RKQAEVQKGPAKDEDSIMPKTKIDRGDRQALLKVRVVCSSMPMQSKTKESRATHLDES
RQNESREXWTPFLFRSFRNTNRIECLASIVVLLPASHFFTLVPNSPHPHETKRNNQM
KRNADYKNQLEQDPYADGDDSFQEEETTVSALLGERAKPFLGIPIGPLQVGHITIGAL
VILMAFIEYPGFPLTNLPTPIRDALQGGGTIYGINALLAVVASFKAGERGQPAPLWMA
KFTFTVGGALDQLTQLPTTAQIEAAKARKGKRALKNMKRK

>comp8197_c0_seq1; 959 448 2929 LEN=3421; translated
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DDRVNAAEYVEFFRRRLGRRRSDEGYSYETSEFTSFEGLPFAFQSNFFTLACFCRFRFD
DNDDDRASCCIGDKAHISVVNADSAFGEETKERNYINLVCRSDGAIDSITSTLDTIQL
SPTISPTVLPSPNSPIATKKPTDPTSLPTS SPSPTPKPTLDFVTPSILPSTSPAPSLESS
SLSSTSMPTTIEPTLMVRI TVESLYSILVREDGSENQLLQQQPMRMEQPQESEEPKQKN
TVKNNLITAMNLSRKVAFDLWFRGASTQTVFFEKLRVQQPTSIDSIVDIGFTAAPKLMK
INDTNDNSSHNI FVGGPCPLEMRKSQPENVKANTDTKQIQYFCQEV TASIVLQLPMDPD
YTDGTIYSPGNVHELYSQALEMAILNGELGELMESVAHDSRVS IASGQTI SAMTPKPTVG
IVGIIVASLVGSIFLTMII VHFVIRSNRSDQPLKGLGDEWEDSNKILE SASGDKNTVDE
DDIESRVIDLSMEKEIAIDPKKGAMVIRQCTSTEQATGMMEVSATTNSTKGTGIPDYTDS
SMMANSIPYFPTSPGSNSNTDDARSTGGISQESDSGWSEAYTSSVGSVGGDDDCESFPEIP
SSGPGALPSVAKEPPSPPAVDKSTGDHFDEELSTKDSEEVSVDESFTPQSPSSPTAPETM
KLEETMSDDSDGLL IHEDESSDNDDDDVSDDDIKDDHHERKSEKPLSAEEFRSKLLD
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>comp8199_c0_seq1; 351 101 715 LEN=1546; translated

MAPLIQDFDLSTTSHDDFIDQPKTLIAPLHETS IARSRRV SFGAMVATYEV MNRDDYTL
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AYTAVFFEIDCQDEEGYFDEELIADAYFAQSEHCAMTAQMIGKRDAMEAMNILQNKKADF
FGRKFCETIVDIPTTEGSLVSSAA

>comp8201_c0_seq1; 332 416 1789 LEN=1933; translated
MGNFRRKAWQEISNRPIEF LSVPCVAAFV GILTNWGMVKMLFY PVEYRGLDWKRWDKTPY
GLFGWQGVVPTKTDLMARRLVK IITDKLLSLEEAFGR LDPNELGQLLLPGIEDAVDSALA
GSDRMGGNLYAWGVKKILPWLMPHIVTSLKQEIDQVLDLETIVLSAFVVRDKATLVDLFQK
VGRVELDFLVNSGFGLGFI LGLGQMVFWAAHPVAWTLPAAGAFVGYVTNWIAIRMI FEPA
EPVEIVGGLFEIQGMFESRQIEVSDEF GDFMQKRVLTAGDLLKDL SLGGEDGELFKFLRR
HLPYP IPSEILSAAVDGVANIAADPIKYADVHKYVNERLDISDTLARRLKVLSPTFEFEDL
LHPVFQEDEITLIATGGVVLGAAGGLQTQLGWGGANAVPRAIGTIVFTLFS SLLFFFLEQE
YELDHDEPLVSTERPQLRRRET VVRRRTQIPEDRSN

>comp8202_c0_seq1; 447 77 1384 LEN=1887; translated
MKADSAIVNLT VSTAELHGDPLLQLVTKAASPLQLTVKTSKKASLSLELLSGFKLTQRNS
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LLEQIDSHLQTRAF LIDSPSLTVADVLDLAVALVRSKAGASLVGEIPSYSNVHRWIVG IQE
SLKLFKFEIDL SAKTPIPAISNSHGPPIFFYGNETNVVIPKAPISKAKAAKPVGGNNQQQQ
GQNQSKESKKEAKAATKGQQKQKQQQQAAATFDVSALDIRVGKIVKAWHHPDSEKLFCE
EIDLGEEAPRQIASGLRAF YKTEELEGRRLV LVCNLKSRKLVGFPSHGMVLCASNADHTA
VECMPEPPDAPIGTRIMFEGYDGEPEPENKIAKKKIFEKVAPDLKTDANGVCVWKGAACT
PSIKASKGMPNAQVS

>comp8205_c0_seq1; 494 150 863 LEN=1020; translated
MADDMDFFQGEAPAVETASPGEDGGFTLLGEPESMGPAPGDMAAFVGDVQESSPADMGFA
ASPEEMGFAAAPVDVDESASAPILLGAPPPAIEENTVILGEAPLPPSEAPAVVEAE EEEAP
SAMKKFH EEWQATLEARRAEEDASKAAMEASAREALEAFQARAQAKREAKMAKNREDEQA
KLEAIEADLENDNSWQRVSKMVDLTQDGADNAESTKMRDIFIMLKNEPGLAAKVGA

>comp8207_c0_seq1; 379 1 1955 LEN=2084; translated
TPLTHQYIAMREFPCFL LICCWIVLSLSFSVRVSVSFSLSPTGRTRYR DGSVVLAAFSNH
EIEGFREKMRTESDSPPHRYKWL VVGGGIHGVS IASRLIGEGIIDGNTNGNNSLLIVDE
QQELLYSWKERTRATGMTFLRS AVGFHLDIPA EGLRAFASGYGHNGNKQKQKQKPLSKKA
KRQSKNNQHRSKHGLGTSNGYPNAENPD TTTVGRDYQRPSLKMFDHCDNVIDKYKLMDF
HFRGRVESIDVCEDEGGNKPMPLRVVVRNSSGVDADANASGGVRESPPPGTTIVSADNIV
LAVGNDDPAVPEWVTHLTSENNGYNYDKS IYHLLQLPNGDPPDAKTNP LYKANTDPNWDD
FDRHEPRHVAIIGGGISAVHKALQ IASKNSRDEKKALVHIVSRHRVREQQFDTHQDWM MT
QQLAQLSLDHGGKGLTKRQRKFGMVESPAERRRI IAGERIPGTVP SYMTRAGTNSLEKAM
GEGSISWYVASVARASRNNEATGGAQTASG STYTLELTNGETVGPLDEIILATGLGKKVP
GNRILSPLAASASLPLGPCGYPLVDES LLWKPRMGSTTTSTNIFVAGGLAELELGPSARN
IAGARMGAEERIA XSSKKKNCFEVTKQPSFGAEHNKKREAKKGNANSHGFEL

>comp8212_c0_seq1; 266 116 1048 LEN=1361; translated
MRLLCRFFSRKTL LGLVASLSLSTYIAEAKTAVLFGATGAVGNSVLR AILRNNSFFTKII
IVGRRFP PKVTDLLPASRQQLPEVVRVELPDLGNVDQNEELLAMGPADACFIATGSGFPH
LYDFRSLHFVEVDMVASMARLCEKLVQSLTSFSSVDPEEHPTPYTREELES GDDGTPIG
WWGLLTMTMNVNMLKEVALTENS GSIPFVRIFQPCNIITEEIRYGLWDWTIFRIHPWIDP
IIPTKYHSVDVALLGMAMVRDAINLISVSFANNDADRNP KRLTYGDFAEISGKEFM EWKE
QQMTMKEIEL

>comp8213_c0_seq1; 326 205 945 LEN=1133; translated
MTEDEKHVQQPQQQLRSSL SLLSSIAMMISEDHKDRK DSTDVDGQVVLALGLNKKRRKL
SPKLTRSNTSFVSLNLLTSFPKTEQEHHKSNSSPFS SMEATSTAAAQEKKIESRLFATT
SQDGTDEI STATSDSKGSKGPLETASLAVAGRSKSAPKMSTGININPSNENIGNVYRSYE
MELPESSAGFILSTYTTTRTGNGTKIDDYNN DITDCLPLQDPPRLPNPRESFFIARARE
ERKNWGW

>comp8215_c0_seq1; 376 210 1127 LEN=1661; translated
MFFSRQGARFISRN VVASCKNRLPTSVLGN EFNRLSSSSSSSLKESYDNIIVEK PQEENG
KVAVIKLHRPKAMNALND DLFRIIHATTVL DDKDPDIKCMVLTGSTPRCFAAGADISEMK
DRGFEDVYQTD MFSEWQDVSR LGGTPIIAAVSGYCLGGNELAMMCDIILCAKGA KFGQP
EINLGIIPGAGGTQRLTRAIGKSKAMHMLTGMIGSEEAYASGLVAKVYDEESLLDESI
KMATNIASKGSASLRAAKEAVNAADELSLQEGLRFERRLFHALFATDDQKEGMAAFLEKR
PANFK

>comp8215_c0_seq2; 176 281 583 LEN=1117; translated

MHMCLTGD MIGSEEAYASGLVAKVYDEESLLDES IKMATNIASKGSASLRAAKEAVNAAD
ELSLQEGLRFERRLFHALFATDDQKEGMAAFLEKRPANFK
>comp8216_c0_seq1; 242 1 841 LEN=936; translated
XGVPPVKDTGKTPLEQPSRRDGIPTAKDLEATRLQQVNEDGITPGEATPPPPFRDGTTPV
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GEIDIEHHRRTSRKGNRSPVENQQTERSPYQVARKTTP IYHSVTRDIRREGTRKIDNEKE
DEIRTKQSNNGSRKSPIHNDETNRNRPRFEEQTKTKQSPYVRVRPTAPIYHTVTRDVRGK
KQPVILPMHESGGGETGSMFRPRPKRGNATIAIEVPPTGKP
>comp8219_c0_seq1; 872 537 3731 LEN=3968; translated
MAESKKETGGEGTVIEGVCNSISPRTPDYCPFSVEIEPSNSQGLEHLRLSTVNKTWTLAM
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PVSSDSESSSRDESLDAVDDQEEDEGNANECMSLSLHRSPDSSEAPCVLSARLSRTPTRKD
KYSNDQCNDTPGAVPLNPLNHLQVLNPGVPQGHRTQQRHHLKTPQRNHRSLQNQPQAQPA
NGNSTTITTTNSSGVATASAAACIYECFAIEDFTQFFCPSTPKSGTLDTTTTTTGACPSLP
TSASAAPSGMGCLPPYNYDFDNPVPSKVAFPSIQSFWLSHPSLPRSRGESAFDANLPRN
RSYGPRKKRVRKLLDVWHGVPVNRNYAIQRSLDDASLDCRRQSRRKRAYASKWCYSDPEN
EVI GRRQRRRAALLLTDNCQSSAQALQHQLSNAEDSHPLEDKLQPRYRKFPRSPFTHLTD
EESCTESDVEETSYESAGCSDSDSQQDPPPPPPRTPRNSDPKISFLFQGDMDSEVDGDI
DDGVHTNSNCKTKEVDEDSKIVAFDFGKTSKKLCSVPSGHRNTSSTSLSTTGHSRFTI
RRSAEDAQEECSSESSTESLFLAGSAGTRSNPKLSEVREHLLPQYFKSHPTHWTEFHL
FSRNVDEDSVKSHVHEL SNVKFPLVWHPAADSGSYNRTTKAASSTGKSSGSTIPSTTISC
PTAKKIASLSSNGDDTGNKCGKNNTKFPIAVDGAFEVGSHEHMMVVQPKFTWTPLAQP
HLEEEEDAHDPTYCKNSRELFLSEAPPQVELLSIIRV NKACAYNHWRNRYPYARLDRT
CVVSTNDKNHSTIVLEARCPQERDWL VFSKLIVARLASIIITRDEDMLHEFFSPYSALM
QLEDEDEAQQGDEGVRSTQLEHQEGCSDSVIPRKADATQCAVSPMGGEPCSGNAVSVIDD
GSGSYVYTHPHEQIVGGEESGSVLEDSGDIITFDDDDDAISNESDENDDGGFFQDRDDQD
QEDSVRARN SGAYAILRRSLTATGALVDHEENHHEDEMVRTLSY
>comp8220_c0_seq1; 338 1 1032 LEN=1101; translated
RMVPRNQIPALFFFSPPLANPFACLSPPFVASYSVRFIFWRSFPHTDDTICPEFSILCS
WIESLGLSESLVSGSDVSLFAPTDA AISRVFGASDTPDNDLVRDILRYHIVTGSVIELTD
VDCDSGAPVTIPNGQGV EISCRDGTFLFLAGDGNADALPRITDPGIRACNGIVHAIDGLI
LGEAEDIDVGPQCQTFDELVCSKENLSALCQLSGLIEADSEGAELFNTLNNGAFTIFAPN
NEAALDLQGIDVSSTEAILNVLRRH HAVPDVVL SASDLVCDERLAMANGGFTTTRCEGDAV
FQAGEGNTGPLPQIVEADLAACTGVVHVVDKIIILPEQCESVCT
>comp8220_c0_seq2; 903 1 2096 LEN=2165; translated
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VEQARKVPFRERLAGEFSGNPQKKT LAIVLAVACLVLVLAIGLGAGLAVRSRSNSGKET
DNKDGNNSEGLEDDVGSILLAPPTDAPARMPVSLPPIDGDADNAVLDVEVVLPSYADTTV
YRDGTLSSSSNGDEATMLVQNGSPGNPELPSAYSLVQFWNDAVDGDDVVGATATFCLEHV
PTDGASDRVVTYSVCVLAGGPGGASADVESLTGDTANYRMPDDCLEQKLVFEGVVRPADT
EVCMDVSPLVFGSGKRKAGARHHQRALRGWEGHSGGLQRARGLQAPGAAAADDDDDTIIT
MMIDNLVPSDEPGDRFVTSNGDPDQKPILSITGKQLVECQSIYDTICPEFSILCSWIESL
GLEESLVSGSDVSLFAPTDA AISRVFGASDTPDNDLVRDILRYHIVTGSVIELTDVDCDS
GAPVTIPNGQGV EISCRDGTFLFLAGDGNADALPRITDPGIRACNGIVHAIDGLILGEAE
DIDVGPQCQTFDELVCSKENLSALCQLSGLIEADSEGAELFNTLNNGAFTIFAPNNEAAL
DLQGIDVSSTEAILNVLRRH HAVPDVVL SASDLVCDERLAMANGGFTTTRCEGDAVFQAGE
GNTGPLPQIVEADLAACTGVVHVVDKIIILPEQCESVCT
>comp8222_c0_seq1; 978 1 2052 LEN=2136; translated
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EIAVAKAKEEAEAREKAE EEAKEAKAKMKAEEEAATAKAKKESEAKAKKAE EEAIAE
AKKIAEEAAAANAKKAADAREKEEAAI IAKIKAE EEAATAKRAEAEAKEKTREEIAR
MKA EAEADAERKAKEELAE AQAKRAFLRTKQPAEVNRMSELERLEQEFGLGDPATEVLEK
NGSYFSASENTDQYGLNEPSKDLEENG SYFSASERSDQSLDYQERISTAEVQDDFESLNI
IREKHDNIEKEQSEVTARLAE LGSIRELEAERQRQKEQTRAKDLLFLQEITGDSNGQ MRE
VEETATSLEENRLDDEAYELADKLTKADEQYKPTDQVLGSTTLLMREVAGLSLKDYNSKE
RFFSERDAMVHAGNTLSVPVRVSSPGTIVEFVSVEKKS YDFGFGITAFMDEGKVEKIKEMT
SFRKKT ESESIVVPAGCAPCTMQFKFANNYKTLLEKVR LGYEIRVIPPSEETIKLGRKR
AKSALELLESKLSSQREILKTSNARVADLERQAI ELEKEIEKSSKLESIQADEERLKKY
LESERSQPSTRRIDS NKYFNDFN

KHIMPEILPALAWIVGEYSDDLPEAMTMSDAVYIYDENSEGPSHSLLOAVTAPINSNKL
AASTQSVFLQASLKIFAASCANSQVSDSELEACVHTIFFNLGVYMESTDSEVRERANTLN
GVLVALELTSGLRGLGPPGLTALDDGEGESDDDDSPDDHTPSDGNLLNMPAIIASAKVKETS
ASKKLDPFENMVGKSEGLALRCRNASSTLNLLKPSPMKPTGAKAQRKKQAALTGVDVD
LNVPIDASVFSFVIIIEEKAHRQSSRLSMEAVSFTQOKPMTLSKPTSNVSADAVPSIDAQS
SFTNDVMSNSFSNNNEPSMTSGLLSPGQSQDNVRQNPTKTANDPFYLNSTATATDLRNE
NSKTNLPTFRFGNIQLGDDDDDDTDVKKKKKKKKKQKETTNASQLGFQNMAYIESDDDD
DVIQFKPSMRAGGRKNGSELNGLANVDLSEPLREDEVFLERKHRVPERQPEPVSMMAT
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YSSNGMQNHNLVNNAFDGIILGLPNPAQGFSAAGPQNSITDLYGVTTQNSKAISSSKVGT
SGKKPYLLATIKPSSASGSPVDWSRVQLSYRVSRSQMESSMGVSLVIRIQNDTNAATLS
GLVLQLKNHGDIQIGDVPANSTVSESKVGFPSYPSLDVALEVKGKLATRDSNVSVKLTLP
VSVHMSPSGDGMTMERSVASELASSQWASHSTKIAHNSTMAPEKIKQKVCTFLRMTEVDPT
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>comp8238_c0_seq1; 124 896 2026 LEN=2126; translated
MSSCEISGHPAGEPDAAGAGCKPKAESECGATAVSTDSRFSCNICFEEVVEPVVTRCGH
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VYVRAKTFRAGTPYSVFRSTPATKEHAYNPSSSNNLEEPRTTEGIQTPEETGSQVNGTE
NDSEIANRGTNAETGLRQRRIQHNPEDDAGHLHRGTVPVPNRPSVRRIPPEQQQQEPPSS
PSLSSRISPRESRATPSNPYRVGGLDIAPRSPNGHNASLTHGILSSSFQRAAADYYRIST
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LLIMFTSFVMFCFLLV
>comp8239_c0_seq1; 490 187 1455 LEN=1633; translated
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TMDRSFEVSKGARSFRFTMEECDEVQLQQRKDFKVVWSELHEDIALVCLCGNHVDVGNRPT
KRSMELYRKEFGDDYLAFWSAPNVYINVLNTTFLSASSGEETIEEMARDQFQWMEERLKE
VRSASFSSPHHNLKGEQPTSGQTTIMSSKNDTSNEQNNEAIIFFVGHHPWFLYDENEPP
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CK
>comp8241_c0_seq1; 340 48 974 LEN=1076; translated
MGTIFYPDLFPYEEPNLWPADGERPDRSTLNPYGFWNGKYVKDDEPLCRYTMPLYLCSLC
GDNTSPDPTGIEKWSVIAHWGPFPIGIFALWCVYVRFDLLKERIYSPFLLLVSIFNLGV
GSMAEADSHYFTMNWNACYDSAETFALYFYIFIGSGFAIQCLSLRKAGVPLIRTPSGAC
DWFFFVLDDLLIFFTILTPVWALIAQKPATTMFIVTQSIACCIPRVYSNLGPSTIHL
VGGILCQVIADVGAIPVDWLTFTGNQYIHVLLAFTFVLNEGGIFYLVYIMVDPKKAEEAG
RGENAPLI
>comp8242_c0_seq1; 1583 1 3170 LEN=3170; translated
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EERERKEAEQKEREKARLEEEKRRREIEEHNEIIKAKEAAQLKVVAEQQRVSMKLNLA
KKNTEQRAQELAESEKQRQIEEKLQEAERIQNEKTERERKEAEIRELKEAERLKQWE
EENRKEEEMEARRLENMAMANKVLKEREAEALAEKAKEMEDAKNRARERAAQLKKESEAK
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KLAEAAEKERILEEKNAQKEKILKEQEEKRTAKEELERQRGEYLKEVALAREEKLKQVE
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EEEIAERKRLEKEAEERKERQDIANAFDLLQEEEQEQRKRQAARATAKAKQIEKEAR
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SSVDEVFGATQPKRVSLLSASSKSLGIDKDFDTSIKIDFDDHMTFEDFLDAEEKRLEIEE
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>comp8244_c0_seq1; 323 1 698 LEN=1157; translated
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PQTTQQQQQIMNAFLPQVQTQQQLQPMVQHPQSLHPQQQPKQMDPGARPGFSAIGGV
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>comp8245_c0_seq1; 552 225 1346 LEN=1393; translated
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SSTESAASAGSTKKKKRRRDVVDVDEEDSRPREERLAELEKCKGMKVGELKKELEGIG
ISTKSF FEKTD FVKALADARVDGVGKKEKEGYAEYTNVEVLTDDASGPRPKRSESDSQQQ
GGGSPFGGGASPFDMGGMGGMGGMGGMGGMGGMGGMGGMGIADMLKNMGGMGGGAAGGANP
FGMGGMGGMGDQMGKAQELMKNPKVMELMMKAQGNPKIMKAMQECMSNPAFAKYQNDP
EVSELIKELQKVM
>comp8247_c0_seq1; 332 163 1068 LEN=1483; translated
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SRNANTQTHSSSRLSAWLSEKFLPRTDAVGPKRRCRCRDDDEDESQAESHVVASL
ESRREAI FAAMGSLWAAASLPAFSAASATAGVDANMAFPDVMAGLNDNRNTKQCLVESL
NRECLVYKETDPDKLLYKIGIDS AKLVERIEKATGALARIPPLVETKKWNEVTGILTGPMG
ELSSTLTL LAGTDAPKTKLARKVKEDLFAMGTATTQRQPDVIMRYHAKAIEDLANFLAAA
L
>comp8249_c0_seq1; 133 279 1441 LEN=1639; translated
MQTGFFFNIGSIRNSVCNYANKDTXEQATATRLVKKNVRGNCYRHGTSGSIQKLKRSL
AIATLVLATASSNDHFFVDGSNAASAAMGALKNDYRYFVAGGTCAAFSHGITTPIDVV
KTKLQADPEKFEKGLVAATLQICRDKNSGSAALLNGLGPTVLGYGIEGAMKFGAYEVT
KPLFLTLLGERRKVTAFVLSIVAGSIAAVLLVPMESLRIKQVTTDDSYKDDTILSGIPRI
IRDDGFLVMMSGVWAMLAKQVPYTFGKQVSFDLVAKFLYSVTETLSVLTKTQLKWI
VLSL SAFCASIAACLCSQPGDMILTDYSSSRSKPGSFGTVVRGIYKGGLPGFFRGTQARLVH
VGMIITSQLMVYDLVKQLLGLPATGSH
>comp8249_c0_seq2; 155 1701 2351 LEN=2549; translated
MKFGAYEVTKPLFLTLLGERRKVTAFVLSIVAGSIAAVLLVPMESLRIKQVTTDDSYKDD
TILSGIPRIIRDDGFLVMMSGVWAMLAKQVPYTFGKQVSFDLVAKFLYSVTETLSVLT
KTQLKWI
VLSL SAFCASIAACLCSQPGDMILTDYSSSRSKPGSFGTVVRGIYKGGLPGFFRGTQARLVH
VGMIITSQLMVYDLVKQLLGLPATGSH
>comp8250_c0_seq1; 714 84 2078 LEN=2225; translated
MASGTRLCARAAYTVRLCGAGIWRNRQSRVEDRLHQSVHRRKASTRNDKSGSRNDLICPE
NPEFSWNQVFLQWALGVYFSTPLIAILQGSLLLNDYRVNHSADAPRPVMPARGVAVAIDED
RTKSISSWILHPFSSSSNHTPGNERPLRLLVVGDSLAAAGVGMKSGVPILPESIARSLK
EMGGRAVYWTGVTGVSAAQLVKDIEEIEPYDHPKGRQLERIVKEFQNRRRRWLERHA
NNDIEYLDPAVPDSEVNDVQQQPQNPILKWWKRMREKEKFDSEIIPNNPQGVLEWWSNV
RLMFRKRKQLVEEDLSA IKDIVLKLPLQLDDDEDDYYDYFRENLPEDILANERDVGSV
NKDDNHKSERIPLIHKGTFRRTSVVSKAAEYDIAVVL TGLNDVKEAFMPHMKSSGQ
GPTKLNNSLRQVLEALKEKMHGNLDLEHTNRKRNSQDQEKSTNTFLPSDGLQKASNVQ
QS SENPKNMRHPLVVVPELVPAPLQFFRLVPLCWF LIP IFRAMENNRFLASCFFPDNVV
FVH QPDLEWWTDEEMGIGSIRKNIKNEQLLLRVTDSVRSVRERIEEVMKNYYGPK
EEESLSSE SKSKSDHDQSCSISSLAGNNSNASPDNKGNI GEGRDFVSVDGIHPNDE
GYELWGRHIAAA IIDHW
>comp8251_c0_seq1; 703 1 1641 LEN=1782; translated
VNLSETVLSRRRFARHFRRSILMQEHPDPSKPHSGDAPWKNPWLVTLPILDVLEQKQYRP
DSSLRSAEGGRRRLDRDGI LDPYPKQQRDVLCHVHEQITRLCHELQACGVYELERSA
EQNRSILVASLTDIVGYDHDHGGENGEHETGKTSAVRILAKEKHALSRLQDHL
SRRVRSLL AGFCFSSGATTKGNDDGGSHEDDNNKQILFDDRASSSSTVIRTGKGNANGNE
HEHHNED NKKLAEKSTNDKSSDTNIVDGDSDDESSLMSLEEAMTPLELICEKLFAGAGSSK
PMAS PLEIETEDSTKRSM AETRSGISQRGSDEQRRQTQQQEQTTKISRNTNELNSSNP
DRVS AMATASVEASQRTAGAAAVMMALATDPK PATASPWREPPKSMRNEALGSSGNNS
SVPRNR FDGTNPKKPGNDDG SFVEDPPPSDAEDYKEVKHGK KENSESPKKKGATKGT
MGIFDVV DVFTPSSPSEQQPEEPPGRGDDEVRQGHGGPDRTE DHLSLSSQSQTAAEAL
TRMVQG NSFRYH
>comp8251_c0_seq2; 200 1 796 LEN=796; translated
VNLSETVLSRRRFARHFRRSILMQEHPDPSKPHSGDAPWKNPWLVTLPILDVLEQKQYRP
DSSLRSAEGGRRRLDRDGI LDPYPKQQRDVLCHVHEQITRLCHELQACGVYELERSA
EQNRSILVASLTDIVGYDHDHGGENGEHETGKTSAVRILAKEKHALSRLQDHL
SRRVRSLL AGFCFSSGATTKGNDDGGSHEDDNNKQILFDDRASSSSTVIRTGKGNANGNE
HEHHNED NKKLAEKSTNDKSSDTNIANGENEHEX

>comp8253_c0_seq1; 519 14 2080 LEN=2080; translated
MKEVMNRSAYFLAASVFLSSARTHAFQGGKSLFTTSHQKPSNPQKQRILQQPLFSTVEN
DTSTPTSTTEATPDADLDKRFWEIGPTLNNPNQPPLESSELEALENGTHPTEDQSDLGRG
VFLTRDWRKAWHTYQSPDPFSLIDPKTGYAEYKIDENTMIEGTIPEDLVGCLYRNGPGK
FGVGGERVQHALDADGLVIQVTFPPRDEAGNRNFKFLSRFVETDQMKAEKKAFLYRGT
FGTGPTGYAEPKRLNEDPWEVPLLSKIAGNVFKTDIKNSANTQVIFSFGGKVLALFEAG
LPHRLDPNTLKNMGEDTLGGVLLKGTTPVKLGPSVPEEFTPDFIGGSAHTAHPNICPNTGN
LVGWHWSQLPAEKSLAETITEWSPDDFSPVASKTFVLKNCCELAPHDMALTKHCVILKVN
LKMNSAKFLSGIEGPAASLEMDGRSNVVHVMPRPTNAAEKQFEPYVVEVPACFSIHFSH
AYEDETGTGYIRMFSSGWPPSDEKDFLGAWGGFAPEFNRIPKTCLWELVIDPVTKKCVKHG
IAPGAANACAEHPLVHPNFATKRAKYVYAAGSNVVGDSAPCGFVKINVEEGDEETLPEG
TKNEAIDAWWFGTRASAGEPLIVPKEGGDPNDETSAYLLGMVYDAVIDKTGVAIFDLQRE
LKEGPVATLWLKSAIPHGLHGCFKDATG

>comp8254_c0_seq1; 421 109 1344 LEN=1634; translated
MAAFLLKSFMIPLHLVLI VPAFSLLYFALSLSADALAAARASFDCSI SDTWQRNSLHIQEE
PSLQRRRYTAVNLATVNGSGDGANHSNDLNNENDGVEVAGSSSAVSTNNSGVTPASNVG
SFDDAVHNRYACTRYKRYDGIYDGSRNPSPSDPSALKLAGEALDLACRAPTGFNVQPYKL
LIVTSPAAKERLSRFCIGRNKDRVLDSDCSVVFLADREAMRTWKDYRSMLVAAGEGGSS
GADGGRRSSNKSRLGWLKLRVLVALFSSGLPLPKVLGGPVFFVRLAMRMVSVWTRSRV
VPTLSSPECWSQKNTMLVAATYMLACSARGLDTTPEGYLSWGIRQSLGIPRRYTIPLVV
STGTAIPLGAGDGKNGAAAESSDAGMGHGNTPETKTPRFSREATIYENAFP

>comp8255_c0_seq1; 664 115 2282 LEN=2293; translated
MPLIQLNLKNQGDEDEDSSDRPAAAEPAEAPT SKGSSSLPRLDRMQGEFSVEASDLVRL
ILGFLTSQGLHESARVLRKESGVGFTNGMIRKEAVAAAIRQGDWGSVMRSTVLLAEDNRH
DNFYSVEENG DVRRKGNDDGGSVFGRISEQVILELAEDKNLNLAYSLLKVHRDALDRI
AEDQEEKIDTDGDDNTIGESRNEKRKRSKSSKSAKSSSSQLTKARSLEQKLAEIAANPTKF
SNNATERFIALYGSRRSKQERREDLAERVEDQREIPLNRLPTLIQQAMKWQSHTGQLPWI
KEAYYDEYSPSGEQSGERNKRRKRKRYDLVLGVAAGDYELSVGDTWRGGKNVHDEDEDV
LAEIPQDILAKVKFGKSAVCEALFFSRGLITGSSDSMIEIWDPKCSYKDLNTTDYPYQQ
DHVMGHSDSAVLSMAVSNDEGILVSGDSAGKVKVWKLATGKCLRQYQAHDTSVTALSLSR
DASRVLTGSASGICREFGIVTQTVLQVYEGHASYIHSCNYVLNWTANANKPDTATAEGW
VVTSSADGTVRVWKKGLTIRILQPPSDYVKAQKNSFSLVVDPTLVRTECPAHTALQ
VPGEESRILLVPRSSTAFLVSMEGTALQLFHSESPAXILAASITSTVYLASSTGNCLV
FSLLTGKLLQSINDFSLDSTSKTNTDRRVAEISALIHHPFKPVMAAFSNDKTQKKGQLTI
WK

>comp8256_c0_seq1; 45 650 1431 LEN=1431; minus strand; translated
MSFRTLMALAXLDRPEQVALFDVPALLPDRQEGRVVDDLLEVGPGKAGGFLGQVVPVDRG
ETAARLGGVDLQDLCPALPVRKGDHDLVPEAPQDXPGLGPRAGGGDDHDVDVPFVPATS
GSRGVAPPEETVHFRQQLVQRLVPLVVCVDPDAVRSRPGHRIELVDEDNRRRPGDAAPG
PAAALPTSEGPGPPGVSAAGPQRRPPGFPEERPDAGPPPDPVHFVAKVAPAADAKGVAAGL
PGNGPGDHRLSDPRAPVQEDA

>comp8257_c0_seq1; 347 523 1604 LEN=1604; translated
MANSIYDDQIEEEI PGTFYIFSLINSEYKETNPVLSEPD EYDIPESSLRGKPSGGLCA
YALLNVLKENGNGASSTISWGGALDVMQEEIQNERGYKTYVPMLSTSRPIAVRDQPMQIA
SSRRRGVKRALLIGIHYIAHYDEDAMLSSCQDDVRKIREYLIHEAGFQKNNVLVVMDDGG
RHHEPSKQFILDCLKRLCAISKPGDTIFVHFSGHGGRVNLNDEEYAEDENTIPHELLAPSD
YHQQGVIEDDEFYASFIRLVPSGVHMAVIDTCHPSPSSCALELPYVCIAGEDEVHDAGG
FRSGRAIIASAVAAAKAAVLAAKIEKERQERERQERQERQERQEKEREKEREKERE
X

>comp8257_c0_seq2; 367 523 1736 LEN=1736; translated
MANSIYDDQIEEEI PGTFYIFSLINSEYKETNPVLSEPD EYDIPESSLRGKPSGGLCA
YALLNVLKENGNGASSTISWGGALDVMQEEIQNERGYKTYVPMLSTSRPIAVRDQPMQIA
SSRRRGVKRALLIGIHYIAHYDEDAMLSSCQDDVRKIREYLIHEAGFQKNNVLVVMDDGG
RHHEPSKQFILDCLKRLCAISKPGDTIFVHFSGEYDLGGPACLLHRKSIRRLGSSIVLIT
SISLSSLPNTFQNLGHGGRVNLNDEEYAEDENTIPHELLAPSDYHQQGVIEDDEFYASF
IRLVPSGVHMAVIDTCHPSPSSCALELPYVCIAGEDEVHDAGGFRSGRAIIASAVAAK
AAVLAAKIEKERQERERQERQERQERQEKEREKEREKEREKEREKEREKEREKEREKERE
X

>comp8258_c0_seq1; 135 1412 2126 LEN=2126; translated
MRFTLGFATAALFATFFSLSGAETRALQKDIGSEL CYCAPNAYEFTLDFSLTCPPVNITLG
DAVAATTTCMVSPFGSPEVADLVPVSVT SIDILELNQNLQVMVQENIEPKDSYLDGDTFSY

ISYAAIPGEIVNSDDLPRAIQLNIVGKNKFGEDI INVYLITFTNSCGAYPVLQEGQFAGW
TRFSDLGPPNPELCPAAPAPATEPPVSMMSMDLGMDSDLESFLEESYGKFPNCPGTQX
>comp8258_c0_seq2; 199 2160 2540 LEN=2684; translated
MDSDESLEESYVAKSSKGDGKRKNGKDGKGDGKSGKGDGKFNKGKSGVPPKVNKS
KDGEKAANKLEKSKSGSKSGSKDGSKAGSKSGSKSGSKSGSKDGSKSGSKGEDSRK
KRRLRI
>comp8258_c0_seq3; 268 1412 2437 LEN=2581; translated
MRFTLGFATAALFATFFSLSGAETRALQKDIGSEL CYCAPNAYEFTLDFSLT CPPVNITLG
DAVAATTCMVSPFGSPEVADLVPVSVTSIDILELNQNLQVMVQENIEPKDSYLDGDTFSY
ISYAAIPGEIVNSDDLPRAIQLNIVGKNKFGEDI INVYLITFTNSCGAYPVLQEGQFAGW
TRFSDLGPPNPELCPAAPAPATEPPVSMMSMDLGMDSDLESFLEESYVAKSSKGDGKR
NKGKDGKGDGKSGKGDGKFNKGKSGVPPKVNKSKDGEKAANKLEKSKSGSKSGSKDG
KAGSKSGSKSGSKSGSKDGSKSGSKGEDSRKRRRLRI
>comp8258_c0_seq4; 173 1412 1951 LEN=2229; translated
MRFTLGFATAALFATFFSLSGAETRALQKDIGSEL CYCAPNAYEFTLDFSLT CPPVNITLG
DAVAATTCMVSPFGSPEVADLVPVSVTSIDILELNQNLQVMVQENIEPKDSYLDGDTFSY
ISYAAIPGEIVNSDDLPRAIQLNIVGKNKFGEDI INVYLITFTNSCGAYPVLQEGQFAGW
>comp8259_c0_seq1; 371 1 2157 LEN=2893; translated
XDTLGLQOREHCTGEDSFQPNREPSKLRSKHHGLFVPGKPEQQKASHLFWRTGGIPTVK
ASGLDRPPSIACDAVCRFGSNKYDIPQIDDRNGNQELRQSNGATPLVSPPATTKDSNNSS
SDKKS GGTRGAAAGAGTPKQGQDVSEEIQQKPPNSKRKRKQKSCRTSCPILPAGVLDQCI
ELCRSESGHCCGNRLNGEDPETGSGRMSCANGCEMAFYVPDVESCKRQCREGNSNEGCDF
EPAFLKAI GVKKFSQCGRCWDPTCAQYHERPSGEQDCLDGCDDHAATLGHFYKAYPAELPA
PRTDDEGEEEDFSCDGSTPDIPRFLFAGQSNMAGISGQAKESLFREIIGAIDERRFATFS
GTMEERKAQRLENKTRLIDALVDACNGAQARKETSENMARILYNLAGRYHRAFHKDTIG
EQHPTNVCSYTDPSVTAELGCEKAVSPTACGMDGTNFGPELVFAHLFPKFRDTMYHRQAI
GITKVS VGGSEISHWLKRKSKRPKDVPNYWKALKQAIRADHGTIEGFVWFQGESDQVRQV
PMSMEEYLDHLTRLVRDVRIEILDAYQRKRDRDRKKGIVLEQAKFNKAEDIPVVIMELGS
WVGDNVAGRYGDLPGSII SAQRKFVYEVDPNAVLVNTGTNTDPNKRLSEFYHFDAASQLI
MGANLASKLPETVRLSSEMVCVKSATLHRSRSFIPNQSLLMTHVFFSLVRSSSINNST
>comp8259_c0_seq2; 381 1 2085 LEN=2718; translated
XDTLGLQOREHCTGEDSFQPNREPSKLRSKHHGLFVPGKPEQQKASHLFWRTGGIPTVK
ASGLDRPPSIACDAVCRFGSNKYDIPQIDDRNGNQELRQSNGATPLVSPPATTKDSNNSS
SDKKS GGTRGAAAGAGTPKQGQDVSEEIQQKPPNSKRKRKQKSCRTSCPILPAGVLDQCI
ELCRSESGHCCGNRLNGEDPETGSGRMSCANGCEMAFYVPDVESCKRQCREGNSNEGCDF
EPAFLKAI GVKKFSQCGRCWDPTCAQYHERPSGEQDCLDGCDDHAATLGHFYKAYPAELPA
PRTDDEGEEEDFSCDGSTPDIPRFLFAGQSNMAGISGQAKESLFREIIGAIDERRFATFS
GTMEERKAQRLENKTRLIDALVDACNGAQARKETSENMARILYNLAGRYHRAFHKDTIG
EQHPTNVCSYTDPSVTAELGCEKAVSPTACGMDGTNFGPELVFAHLFPKFRDTMYHRQAI
GITKVS VGGSEISHWLKRKSKRPKDVPNYWKALKQAIRADHGTIEGFVWFQGESDQVRQV
PMSMEEYLDHLTRLVRDVRIEILDAYQRKRDRDRKKGIVLEQAKFNKAEDIPVVIMELGS
WVGDNVAGRYGDLPGSII SAQRKFVYEVDPNAVLVNTGTNTDPNKRLSEFYHFDAASQLI
MGANLASAFADHLSSMKLRSAAEASTVKPTS VGV
>comp8260_c0_seq1; 320 55 942 LEN=1227; translated
MTKSNACAI FAFVLLAYGALSSAFQTMHMGRI PSKTTAYGDYSLIRTAATTGDSEQPLP
PVAPKIPDNVLSNNALAEAGYPAILSPFPDAADPAYAATAPVGGNEFCVSRLLGGPVEK
ELTNDNLVQIVYRRSNVTDIEVNTLAWKCLGYRFDEESSEWTAKEVFPKWKERYPEPPDM
IGMQR IYTKAIDGELIKNNQRLTVSVPLECKNLLKQNMOPYGFTGYKVSELTPNLTRAQ
IVNWLLYYREELFGYTV EELREKRRLKKEKEAEQKREERNEE EYP RPPLKEVY
>comp8261_c0_seq1; 552 104 1783 LEN=2080; translated
MKYIVVTGGVVSGLGKGVTISSMGRLLQACGLRVTAIKIDPYLNV DAGTMSPF EHGVEFV
LNDGGETDLDLGN YERFLNLQLTQDHNITTKVYRHVILKERRGDYLGKTVQVVP HITNE
IQDWIERTAKIPTDDSGEVADVCLIEVGGTVGDI ESSVFL EALRQFQFRVGTENFLLSFV
SLVPILSDEQKT KPTQHGVKDLRSLGLSPSVIFCRCKAELEIATRQKISNFC HVPADHVL
SVHDVKNVYQVPLLLQH QKLHKMIYQHLNLESPCEPDLGEWERVANCMESWTDTVQICLI
GKYNGLQDSYLSIIKALRHAASCEHKLDLQWVEATDLEENQDTMTGEAWEKVKNCQGVI
VPGGFNGRFGNGKVLAAKYCRENGKPYLGVCLGFQAVVVEYARNVLGLEGANSTEFDEES
PHPVVFMP EIDKETMGMNRLGSRVTKFTHPVLDPSTGATSILQKLYGGADMIHERHRH
RYEVNPDYVDKI HDSGLKLVGRDETGTRMEVAEISGHPYVGVQYHPEFKSRPLIPSPPF
RGLLLAACGQLESHLAKQS

>comp8262_c0_seq1; 160 1 658 LEN=1220; translated
HPNLSTQADSFCFSGAIYNLQVQSADSFQSIIPDPLCSKAKNSFLEISIKIYTMHRYQG
IVILLAAIASVNGFGNVGRSGVTLGAI SRRGTEISPINDQKVA AAKFDAHSLKRHRCFPA
SKGPFATTTKAWTTTMMKKVTVGNHQLAKLYSTSSPIDTSHAGAKTTAAYALILISILSF
VGDNNVCPSSGQCI STTGTGNGGNLSPLSFVTVTGR T

>comp8263_c0_seq1; 385 258 1525 LEN=1525; translated
MSAKTVAVGIDLGSYNSRVATFDDHSNHPVCAHNSDGNRTTRVVLPAEESGDGNGFSSNK
NTVPVTAENLDRIYTEKLMPLAYDAAHTKDL SVIVSIPNDERIPQE WLSALKQSGRGVIT
EAAAVCLAYDLEEK TENS KASKRILVVDGGASALKVALLQVTT SGLLCLESTQKTDTVHG
EALVETL GQAVAQQFEIKHRFP RGEVWQSKKARGKLRACENGLTTLQINNTLTIHVESL
YEGIDCQVTISEAKWDYLSGKLVKNAKDFLNMTKAESSDIDTILLSGNMHAWLKPLVKEI
FPGKLLSSGIDPSEAI AIGCTKQANWNL SHPDESISSTIPTTL DVPMSPIAIAIVQKENV
VIEQGAPLPAFVKYELLSSEESSSEETPTAAVEIWQVQPT EKHLATLSDLATNSTVCLL
LTX

>comp8264_c0_seq1; 165 139 1372 LEN=1544; translated
MPVYGK VCAKHS LRYWSVSFLSFCSSNDRENNSTVRFP MWAQPHKLPPPKTERPLSSFV
DGICGNSASGLERAVSLPVCDCRVAARVLAPSKGPGIHLGERALEADRCPTNEGSHRINS
DLYSERIKHTFEEDGIDYEVWRYPELESRDNGSDKEQQAKIQWIKDRIHRINERTDIDGA
LVFYPIYPFGPKGPYKNKLMGVYK TQDDHIRDLLLP GK DVEGLCRNKWFKIRDSKQKNS
PATY PCTALS VLKILEEYHMGR RNNQPND CWKDTIC IINRSEIMGRPLAVMLAKKGATV
YSIDIDSILQFRPDGKRLRRCNPATTSLESCTRESNVVAGVPQASFRIPISSIREGATI
VNVAEVPNVCEATLFRERPDVRYIPQVGKVTVATLSLNLMLNKVNRPGSS

>comp8266_c0_seq1; 314 2350 3406 LEN=3481; translated
MLQETYLVLSATGRQGS AVVDALIAKNANIFC SSRQPESLKKKEVSSIFGLDFQIIVLGT
LYYCKNSSPFKILRTIFTGLITVYECDKGDAVS VLRADMNDTASIVAALDASKATR VWF T
TDFWLSL SKPTRAKEAKL GYNVVD AIKQRSNQVKHVVYNSGAGADAAPT KMQEFWSKVDVE
RYMEKELG PLKITWSVLRPVAFL ENLDDQKNGNPLKKGK IKMLTKPNIAVEYI SCKDIGK
GSAELLMHPELYAGQKIDAATCEHTGPELADILSEVSGTTCTYSMSVPRVILYL FVRQLY
YLVTWIEQGGYDETDIDAFKKVVPDCQDAKAWFS AKGKWADGEK FVSKSIE

>comp8266_c0_seq2; 314 2180 3236 LEN=3311; translated
MLQETYLVLSATGRQGS AVVDALIAKNANIFC SSRQPESLKKKEVSSIFGLDFQIIVLGT
LYYCKNSSPFKILRTIFTGLITVYECDKGDAVS VLRADMNDTASIVAALDASKATR VWF T
TDFWLSL SKPTRAKEAKL GYNVVD AIKQRSNQVKHVVYNSGAGADAAPT KMQEFWSKVDVE
RYMEKELG PLKITWSVLRPVAFL ENLDDQKNGNPLKKGK IKMLTKPNIAVEYI SCKDIGK
GSAELLMHPELYAGQKIDAATCEHTGPELADILSEVSGTTCTYSMSVPRVILYL FVRQLY
YLVTWIEQGGYDETDIDAFKKVVPDCQDAKAWFS AKGKWADGEK FVSKSIE

>comp8266_c0_seq3; 361 2180 3103 LEN=3178; translated
MLQETYLVLSATGRQGS AVVDALIAKNANIFC SSRQPESLKKKRGDAVS VLRADMNDTAS
IVAALDASKATR VWF TDFWLSL SKPTRAKEAKL GYNVVD AIKQRSNQVKHVVYNSGAGAD
AAPT KMQEFWSKVDVERYMEKELG PLKITWSVLRPVAFL ENLDDQKNGNPLKKGK IKMLT
KPNIAVEYI SCKDIGK GSAELLMHPELYAGQKIDAATCEHTGPELADILSEVSGTTCTYS
MSVPRVILYL FVRQLY YLVTWIEQGGYDETDIDAFKKVVPDCQDAKAWFS AKGKWADGEK
FVSKSIE

>comp8266_c0_seq5; 361 2350 3273 LEN=3348; translated
MLQETYLVLSATGRQGS AVVDALIAKNANIFC SSRQPESLKKKRGDAVS VLRADMNDTAS
IVAALDASKATR VWF TDFWLSL SKPTRAKEAKL GYNVVD AIKQRSNQVKHVVYNSGAGAD
AAPT KMQEFWSKVDVERYMEKELG PLKITWSVLRPVAFL ENLDDQKNGNPLKKGK IKMLT
KPNIAVEYI SCKDIGK GSAELLMHPELYAGQKIDAATCEHTGPELADILSEVSGTTCTYS
MSVPRVILYL FVRQLY YLVTWIEQGGYDETDIDAFKKVVPDCQDAKAWFS AKGKWADGEK
FVSKSIE

>comp8267_c0_seq1; 227 1 1223 LEN=1223; translated
QVQAQQQAQHRAQYQAQHQAQHRAQQQVEAQQHPQRQTQVLTNKQETTTATSRENKAPRR
KRKTARFDVDDCGAAMGIDRFVEIEEEKTKRALFRWMMGTYSFDTSTAGNHLVRSVSP
LLSPLFVDFCRTLNP SFELPNPRVMKSMEYTAHEKLV EKIRSF LSPWSEEHRDSSSKNNT
YV SIVHRIRVVRTLEPGFN DQDQDGGRGQTTPMTVARTPTSLTPALASHAWNGNSNN
IRKEPYARQSLAPLQWTDGANAASRVSDKGTICTTTREPVAGPAVDGYVETALPRHATA
ISEHEYDLTSACSRPTAMTTMVTGADERDSLERYLPPLHSNMSGISEHEFDLESMHSHR
TTASETSEPTGRAAVNRILPPLDQNM TGSSEHEQDLASMHSHRTTATT

>comp8268_c0_seq1; 175 1 690 LEN=1141; translated
XIDPRCRAVLNPT EIHVRAHL PDLTACGAGKSTRILNLQHSITTTERNIRQTAADLIEIA

SDTHKTEPECCPPHRELLPGLFEPDXAVFGGSTLVNKRSYHENIVEHYENPRNVGSMDKN
EESVGTGLVGAPACGDVVKLQIRVDDDDGNIVESKFKTFGCGSAIAASSVATEWVKGNVD
EALAVKNSDIAAHLKLPVVKLHCSMLAEDAIIKAAVKDWKAKQDDKKTAAA
>comp8268_c0_seq2; 195 759 1040 LEN=1491; translated
MKLQIRVDDDDGNIVESKFKTFGCGSAIAASSVATEWVKGNVDEALAVKNSDIAAHLKLP
PVVKLHCSMLAEDAIIKAAVKDWKAKQDDKKTAAA
>comp8271_c0_seq1; 273 504 1349 LEN=1744; translated
MVAAAAVVSSLVKTTRIQAIAARVTLNNTKNRNALSRAMLQQIQETLGVIDADPEIRVII
LNASGPVFSSGHDLKEIRANAANLKNENKNASLMELCASVMQTIVRLDKPVIAQVNGV
ATAAGCQLVASCDLAYASSSATFATPGVDLGLFCSTPAVALGRSIIHRKHAMQMLLTGDAI
SAEEAERIGLVNAVIDNDENLEKTVIEIASRIASKSPRAMATGKALFYEQLELPLDAAAYR
LASDAMADCMNHDEEAREGIDAFLTRKRKPTWGSLOPTSKDL
>comp8272_c0_seq1; 224 62 454 LEN=1096; translated
MSEKHKTGAKPEPLPEEQSAPIATMITKAFQNAADESKDEAIKVGFLWDEWARCIGSGY
QWDSLYRHGRDSCGKQWRDLKLAEEARLTQWRDPKRAKELLDSTYYQKRRTTISPTAGAI
WELKERPGWD
>comp8273_c0_seq1; 731 163 1866 LEN=2672; translated
MSALTEDQMLHGGESGKNRDGDSEGETEASDIENQALIPADERRGESRDTNDASACATDE
SIGKNRAGGDLETAHQALISSDEKRDEVIDDVKIINESLHFINDLLRNMLDMQRAGSNQI
PIEIKPTDIMNDIFKPV EAMMHLREV PFEVVLECGSGNSENKIDEDDQLVIMTDPLRLKQ
VVVNLTSNASRFVEKGFIRCSAKVNATTGFVELYVDDSGPGIPEEKRRVFGKFFQQLDS
LQOQGTGIGLSLCKKLIDLMGGNLYIDDDYHSGIEGCPGTRFVIQLGKPPQLQENAILDEQ
LPPRDRAKLRRRLLNCDRPSAEDGVGPQPQAPPHSVDFAAEQPKTKTSVSSHSTVSTLAT
SENTGNESATRPSAGAI GARKEPATPPPVPSSSPVAVSPDPGEAPA EKAGVPASERRDGQ
GLLTELPLNLSVLFVDDDTILRKLFSRTLKKNPTWSLREASSGEIAIELITSQEAGSGE
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AFMFKPFPCCKEELTKELLRIINTRRS
>comp8273_c0_seq2; 686 1 1831 LEN=2637; translated
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ALISSDEKRDEVIDDVKIINESLHFINDLLRNMLDMQRAGSNQIPIEIKPTDIMNDIFKPV
EAMMHLREV PFEVVLECGSGNSENKIDEDDQLVIMTDPLRLKQVVVNLTSNASRFVEKGF
IRCSAKVNATTGFVELYVDDSGPGIPEEKRRVFGKFFQQLDSLQOQGTGIGLSLCKKLID
LMGGNLYIDDDYHSGIEGCPGTRFVIQLGKPPQLQENAILDEQLPPRDRAKLRRRLLNCD
RPSAEDGVGPQPQAPPHSVDFAAEQPKTKTSVSSHSTVSTLATSSENTGNESATRPSAGAI
GARKEPATPPPVPSSSPVAVSPDPGEAPA EKAGVPASERRDGQGLLTELPLNLSVLFVDD
DTILRKLFSRTLKKNPTWSLREASSGEIAIELITSQEAGSGETQTPSGFDLIFMDQYMA
STQKQLLGTETVRAIRARGFHEPIICGLSANDVEDAFFNAGCDAFMFKPFPCCKEELTKE
LLRIINTRRS
>comp8274_c0_seq1; 366 1 1082 LEN=1136; translated
XVGGDSGGQEPLVIESLEALMRAAGEPMPENPDTITEDTKMVEANIAFSVMTKDQYEQKI
PELREEHEEERRRQLEVF LGKRNI FQDDESAECVEGAVDGDARETGEEDDEDDDDADA
MMELLLGSDMENSDDDDDRGPPPEPEVRAFSLWNALVNWMTHETVWVKALRETQSGG
NDNDTATTTNHSVDTEWTPMVDRSDVGASRCAGVMAMVRLYLGRMEELSHPPGSKRAE
KRLNDLMRTFDYSRENPRLS PAHWRAMVCVLLLEVVLGAGPGGAGGAVLPPSIAGVGMKRE
EFEYLSRKAVLALGEKVPGGPAEPVTV AEMPWSRRAAIWSMVGRRTIYVLRKSSQDNARL
>comp8275_c0_seq1; 166 153 1259 LEN=1431; translated
MPSLKNILRKVSSKNLSRLNKKVTEDEKKSTEEYDGKSLYTFPESQSRKSSCEDGKSL
YILPESQNRMMKDDDELYDEFEASLHIEKTFRNRPFQGIQGGDGNKDNRSSSIDLDDDDST
DGQDFERATVRLDGI EYVAIVSALTCATSISCFDNFQPTDFRTIIRERAFFTL CSELICY
LSGAI GMMTGLHATLIFSLVTMYGR TALGIDRDDAFNDFGNTGAARFNGFFSFKLSLYC
FMAQLTFLITQKFIVEPLRPLVMVLTGYYSYKTM YMDAENVLSAAAVIYSSTPTTNATIS
TKDGSVSSSESTNGEANSVRLVRRNSGVLTPAPNNRRTVARRSSVKKSHSISTRNFVDT
RQSYMST
>comp8276_c0_seq1; 317 90 575 LEN=652; translated
MPHSYGVRRARTRHMF AKKFRQHGP IHL SQYLMNVKVG DYVDIFANPSIHKGMPHKGYHGR
TGIVFNVTKASVGRVNVKLVNGRIIEKRIHVR IEHVRH SKCQKEILARKVSNEAAKAEAQ
KTGVKVNLRKTRPKLPKEGYFLKSPGDTELTTIQPLPFDLV
>comp8277_c0_seq1; 634 128 1123 LEN=1438; translated
MVKKEGDYSNTSRRSTVILFFVGAIVVPFAAAIVPMVMRPNKLVSEQQRNQNLSLFFLAVG

VSAALGLALYLYHDKKQQTVVDDNNGDKDRDDGISAPKQPTAAAKPKDIWKVGANNQNVL
KKPKAAAYNEKPFSSYYYAHNDANTTGGYKDGLKMEDYRMNGPRLLSVNGLSVSDDDQDQ
GDNNGEANEVAVAVENTVPAKKRITAQDPNMKNITKYLWDDSGNGKGIATIRVDVLPD
KLGEFVDWKDVKDVTATLPGEGLLAKIIVGENDMPTYQLRIDKLYGDAADVVKVIKPK
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>comp8279_c0_seq1; 224 368 1114 LEN=2198; translated
MGHCCPLLCLTESTKSTIASGVAMTMLSEKSTRTKLWSRRRSCSKLLPGPLRFDSCLCFA
AFLLLAVGLVSFPTLPVAEAVPSGSSGGDIELLPDSGMTYFDAAGLQRWDSNPQRRRRAR
ELQHFAVEGEHPHNGEHRQLEGGADNELGRPEISASPDYGCTVPDGKCTECTFSEQKTYD
ACKATGKWQKFEICILVEGEGETRRTEQETPLADPAAPKHEMKSKYTEFDEGFAMVRCVA
FNCTDLSY
>comp8279_c0_seq2; 259 368 1333 LEN=1953; translated
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ELQHFAVEGEHPHNGEHRQLEGGADNELGRPEISASPDYGCTVPDGKCTECTFSEQKTYD
ACKATGKWQKFEICILVEGEGETRRTEQETPLADPAAPKHEMKSKYTEFDEGFAMFELEV
FCLLIGCLAFVSVRKQKRLSSSMFDRRQKQGPKARSRVGNGKRISDHIPGNGDEIEFTPM
TNQEKERVPLIDIEAEHMDVI
>comp8280_c0_seq2; 258 1 1183 LEN=1399; translated
XPISSYGMQRNITKMASTTTANLAAAPSTNQSDANSEKLEYNQRWFGYFTVIFFFSAINFA
SISNVDPNRDAQFGNTICVAFVGLTFVIAASLVLIQDRSQKLLDIFHYTKSRDGYIEGSVL
IFMVVWVWIVGVAVITTPGGIAYQASNIYSSWGALFSCCYTLNLWSTEKDILSVAEITGV
SCTLKSWWILFLSACVVFACSINLHVRIGTTSHKDDANTPYAIVLGLGSIIVSTFWITVH
LNFFNNWGIHEGGWFELFSTFSLIFLWIVGLSVFTTDGGIAAKMEGDECKSDIATRVDI
KTNCTVSLFIEDSAGKISNHIVNCDQLVTGEEFPGSNLYACWSCMLASIAIAFKWKASQ
ALRFAQAQAEQQQRYDQDAEEMFADHEEQNDSGL
>comp8282_c0_seq1; 451 1 1295 LEN=1543; translated
XDDDDDAAMAAAQCLECIATVLKGCIDQPAMMRNLEPLLIPLVLKIMGNDGEYIEYLECA
LDILTFLTYFPDTISPELWQAFPLIYIAFDQWAYDYLNMMVPCQAYIQKAPDMFLAGQA
QLPEGNVPYIDLIVSMVAKTVTNERSSESECRHALSLFMGVLHNCQKVDGYISTINEIV
LGKLGQVINSVDQLTRISIIYQVLGSAIYYPQLQLAELEKREVTQQVFQKWMADAEMKDM
TDRWLPRKLTVLGLASLFHIPAATLPAPIQSSPALIDSLIRITISLQKDEGGDRVTQD
DNFSGDSEESIGDQVDFGEGEDVTNEVDESYRKALSGVTSWDDDMKFLGGDWDSE
DIDEDFTSPLDQVHELIFLNDTLKGAQREPEVYQQVQSAMSPEAVANCQKVFLAADQIR
AQAAQQTQQS
>comp8283_c0_seq1; 94 1 1177 LEN=1177; minus strand; translated
XVIQGRINGLMQLWVAEVDNDDSNVIRLEQLKWAEPAYSIGMGYNENYNASSILVNYESL
VSNPYDWKQEFDFLSLQFCVRAFLTXTLSSCKTTPLOVYVQVLDREPSNNDKRIIVMTKPT
PNYESDRYVCDRITVTSRDGKTEIPVSLVYLKSTMEQAILPQSYVPLHLYAYGAYGESIE
DTFSSVRMTLVNRGIYIAIAHVRGGGELGRQWYENGKFLMKTNTFNDFIDVGRHFVETKS
WTPSLMSECEGRSAGGLTIGSVLNQAPDLFRVALLGVPPFDLVATMTDASIPLTAGEWEE
WGNPNEEYFFQYMMDYSPMNNIQAGVEYPSCLIKAGLYDPRVAYWEPLKYTASLRHGVS
NDDENRPICLQTDMAAGHFSASDRYKHIRSTAFDX
>comp8284_c0_seq2; 168 673 1000 LEN=1140; translated
MENADTEHTDMEHTDMEHTDTEXHLYVEETLIQSTLVILCRGGDADTEKPAADAAEYTD
TSXVEEALIRRNTLILSMLLGVTNMEEDTVDIEDIDAEELSFKIMKFNI
>comp8285_c0_seq1; 344 437 2242 LEN=2539; translated
MDSQPKNDGYPHTLRSVFWTKSSYAHFARSFHPYHKHDLNALAHVFTTGLGVWGTVQLAG
VLDPELAAISVWAYAAIVAATTPVVTAFHHTAFVYGCLRISIEDAAKLCISIPLEAVPGG
ALGACALAAAGYGLQDLAHWLCAEKTLMSSYIRTSPSTLLVHTFWLMPLVIDSVLMRHC
FIPKLFVNRNRNIFCQVASKKAVEDLREWINQEVPEKPDTHVWPHEQEGETDDAVTQLEN
DASIMAAFRTIFASHHFDIRPVIEMNEIYVTAVGAIKEITSDAVFYTPHTDGPFWWLPGA
SLYRILVGVTPNKMVRTNFNLQHASEDKTVDMYDCLGFDYNRELHWIDHVPQGQTNERRS
LIKLFVYVYPKGWHKYGRLCAYLNLSTNTWARKNFLRTLRLPVTMLEQLNAWWIFITWTN
AMFELHVGWPNLTYILAAYWLGETPFLVLTFRHYFVYISTFAYRTPPVAHGFLMRDCKL
YKTLALMHLKSKRLPLVALPRDIPGIAMSLVGFSTITLATMQLGMVRTYFGSELGFVKPS
WIDGFPYNIIPHPMIVGMVGFSSILYWKDQIPEETAALLGVHMSFYTVHMVQEMLTSS
Y
>comp8285_c0_seq2; 161 237 833 LEN=1130; translated
MLEQLNAWWIFITWTNAMFELHVGWPNLTYILAAYWLGETPFLVLTFRHYFVYISTFA

KKEGTSTPSRRWEPTREIPNGTVKGRMSTLFGQSKPTGGKLTLVSKSTPLNTSTPHNDKS
KNVGVLDVDGNGEDQWIIPERNKANTQVSANDWGEAVVSAKSAESDDWETPAKEWIRSGD
SQTESLSNRATRTLSQOKSNLATQKPSETDELIGDTPVADTGSARGCKSTESDDWVLP
EGWTSKSSQTEPLSFI SVSKATSNKKSTLQTNVVF EADKRNKDNNGRDFTPGKTKVTTMLP
PPPKDANAYHHQTQLQPSTNVSSRSGSKNDSVTSDFSAPQAFESVFKMDSVEEMKFGASFP
TRDSNEVFQPSDADADAFGFPLSSVREPVGNTIGELIGGDEFDASVSLGSDRPAIDNE
KFGFHPSLASTTNSDRNEIEDNDDNNEFHSGKGEAKKKRKGFFKGLFGRKAKDKESKFK
ESRIGEKKVQIRNEPHPSSTYFSDVSMSASGVNTQSSINGKAQASRSMNQNGRQPGLPA
STPPDYSIVRNNVDVTVGGKVQGFSDGKGNFTVDGFSEADGGEKSETKTPVTSSSRSKL
MHDDVFDLLEPDILPSPSNATKENGDKFFDPKLDHLDMEMNSEDESNTTDTDLKSHIL
DSSLLAQGKQRTSRQVSRSEEEESGPGKRRLKGVPKESRQDTKAMLRNGVSQDKTSRKNS
EIFFDEETSNSRNTTHDLSINPVRSTMKKKSATQKVNIMASRTRIRGTNTGRITDTGLA
GKDSQETQGVRASAPARSIFSNQARSHSRESKSPVQRKPSVRELKVS NVLNQSRKYPGV
EAKGRGTKARVSGTDESQVKDL SRNSVPPSRVHSSMHSQKLSMVRNNSNSGDTSLSGSRF
RKKSVVHKLNRNDQTSDLQRKIGIGRHNDRFRPGSIGYQNSNQVLARADPHSESIMVGGKN
KMKFSKASKAYHTIAKKNSSSEDEPEDEKGYLTIHSASTGASDASCSSSTYENYQKRLAESL
RKSNNVTRNKYEYISLQPRNSLDDTSIESDIRVLRILRRPRLHYNNVVIKASRQIEGF
PTYDINSATDPMQVRGLRLLSSAIIPIQTEVRRFLAMRHALTRMWALIVVQTYARRFLAQ
KRYHRAQNSIITMQAAMRGHFARNDIIDKHICAIIEIQRFVRYLATMEVYEEIYKVTLVQ
SLVRMKIAMDHAAAYRMSLI IQLQAIARGFLVRQRAHLDKFATVIQSSWRFCYFNRLTYQF
DLLDIIIVQSLWRRKLMRAAARKVEEKRSAAATAIQACWRAYDCRMDILCYLSARVIQS
AVRMYFVGMIMLSTKQLKLSQLVGCIYAGPTTWNMRLKQSNQSEECIYVDVNTWSTKQ
RKQSNQLEGICADMTMSSIKQLAKSKAHYECTFVDFATFCSTRLQELSKQHGDAMTIEW
>comp8294_c0_seq1; 419 20 778 LEN=1146; translated
MKFALLSLLAAGASAFAPSTHNFHNLARMSEEAEEAEVEEAPVEEESAAPAPVVNQK
VPLVGESPFLLGGKSFLLGETEWDLLTMKWGSAETGKFI RAAELKHGRSAMIATVGYAFHK
LGLTFDKISPHEYLSVTKDIKFADLAAMNPVDAMKSLPAESWGMFAFCTILEIYELTHS
GGKLAYDETVAPGLQPGGLTGDLDGWNPLQINVDRRRTVELQNGRAAMFAISAWIAAETI
PGSMPLPLLWSN
>comp8295_c0_seq1; 290 1 1002 LEN=1351; translated
XPCSSLLRHCSGTKEKGRHDEIRPTGVKPVAGNVFNGEGYNEGYNESCYSLDEPTTKAAI
GVSAAAASATELGAARGSGAVGGDSSGPDGDRAMRELAYHP I VIEGMGYDPRDPAVVA
GNICENLGAHFASRGGQSDGPYLVVVQGDPLTERGISAITPRVAECLGLKRGVLVCLDEDI
DPTHSQNADRENVVLEVSYSRLAGILSRLPYEGGGEGSSEKSVLRAMEESIDALVRQKNL
EREAIGKPPMKEYFKQYALLQEVTKASLHRLCGRLTIAHTSADINPYSVTSFYRVGLDL
GLYHEDANMVAYRNLSSEHKSQEVLDFAIDTR
>comp8297_c0_seq1; 715 100 1395 LEN=1517; translated
MTTQSSATSPEPRKRPRVEVIADANDTPVASDTGSRTEEKPTPSYGSKEYWEDRYKKNSI
ADETGGEEDPEPYHAWYFKFDDLAPLLMPLILGGDVGDDNDDNDEVNKSKTVDVDIENKNT
KKETHNNTDDEKGAESLGGNDADLSSQQMNDERHQKKNSHLEHAKNSDDSGDESDDFEVI
EMEDYDDDDDEDPVVRVGLAKNGPISILEVGCGDAPLGRDLALS IQEYGTSTIEQDSASIV
EKVVCSDYSKNVIEEMKKEQLKAELDRDAKESVQVHYEVADARQLSYPDGSFEMILEKG
TLDAMLSDEGGGQENCRKIVAECARVLKVSYIIIIISHLNARVESGLQWLN NVIVPGLR
AAGDFHWLVEVHGSDVEVPSDDDDDAEEKPIESP GPAVYFIEKVGATSPAKSSDGSEES
LPTIPLKFFSY
>comp8301_c0_seq1; 619 73 1607 LEN=1814; translated
MGKPESIGVQVLTAGGAANPGKSGKGRAPRRRNE SRNKENTTPDRLNPDATIGNVDQQDE
DGRKNSQLLQTKISTETF SLEYEDPEAEVDDHETESNGADAGTG VVKKTPKDGFPENELV
TPVNI EELYQEESQSSKKSDFWLFVCFIGIMASFV CYGLILEYTTSGGRKLHEL SFLFV
TSGLYTLTAAAGRYVRGEEKSTIPPSRFVAVLGLTSMGSTFTSVRSLRFVIYPIQVLAKSC
KPVVMLMGTLMGKRYPLSKYINVMIVIGVALFMGGGDNNKGDDEEKSTG SQMIGIIL
LFFSLCFDGGTGAYEDKLSVHSVQPFDLMYNIQLGKTI LAGVSLLVLNQLHIFIQMCQE
MGMLLVALGLSGAMQVFI FVIAKFGALTCSI IGLSRKIT TLLASIFYGHHLNGIQVS
GLV ISVTAMVMNFMGKSKKGGHGHSEAQNTKEHDKHEHEDEEMQKMLSEYQDTDEEGDI
ELLGEISSMMIVVQVMPAMSSGLQAIN DAS
>comp8301_c0_seq3; 461 73 1128 LEN=1327; translated
MGKPESIGVQVLTAGGAANPGKSGKGRAPRRRNE SRNKENTTPDRLNPDATIGNVDQQDE
DGRKNSQLLQTKISTETF SLEYEDPEAEVDDHETESNGADAGTG VVKKTPKDGFPENELV
TPVNI EELYQEESQSSKKSDFWLFVCFIGIMASFV CYGLILEYTTSGGRKLHEL SFLFV
TSGLYTLTAAAGRYVRGEEKSTIPPSRFVAVLGLTSMGSTFTSVRSLRFVIYPIQVLAKSC

KPVPVMLMGTLMGKRYPLSKYINVVMIVIGVALFMGGDNNKGKDDEEKSTGSQMIGIIL
LFFSLCFDGGTGAYEDKLMSVHSVQPFDLMYNIQLGKTILAGVSLVSENI
>comp8303_c0_seq1; 193 191 376 LEN=2038; minus strand; translated
MSSDLTDEDDIGGTEVVAEALSREILDGDSVGDNVVGAYVGASVGLCDGNAVCAITCCG
S
>comp8303_c0_seq2; 294 704 1838 LEN=1897; translated
MSYIHMKRYAFFATISFHILLQSITSAEISLTSEGDNFVETDTRRMLRAHGSNAQRVGKT
RSRESNLI FENTYI SSSRRRERIRKKERPIAIVLEAWDVP SKNNNDNDRRDGSQGEQP
ASSHTKETVGLGIDLTEASINEKIPNQISETLPYFTEHPSEKIAATSTPTFSPTTYSPTY
SPTTLPSSSSVDDEANDEEGRFLSQRNRCATFSNRRKCKNTNGCSWTPKGCVNTPTLKC
LKWSNKKRKC RNKGRWNTLALICTGIDDIPKAQDPQHVAQTAFPSQSPTDAPTYAPTT
LSPTESPSKISRYESASATTSVPPMSSSSSVKSEDILVDDSFSESVDKRHQFVGVGFQADK
EDRKTRATNPVLNNFVW
>comp8304_c0_seq1; 363 1 1366 LEN=1717; translated
XALHPRTALEADPEKARGYNGERDSPSGLPHGSVSRSGEEGAPGVWRGVDRPKGAGARA
SGTDASSPKEQLQLQPF EAGTDAIHLFYPELVAFWFC SYPKAHKLLSANAGADKAGMNLSD
KCEGLLECSGLLDPRSDAKGEQSATVSPSTGRRLRFWWSVSCSLLPLRILALTTAGRGGG
TAVGQRCVDVLCGPWVLARLAEVYRRLVLEESQGD LAEPEPGDGGFAGAILRRYLQRGGLA
GGEKDSTGGGDESGHRVSSRDRAVVRLTTMVRQLVILVDARDSESKRGDDKEDRRRGES
HEIDRGVEEAILEMNLALGQVEAWTRRWIERNPLMSAESAASSFGTELSISKPANFRRR
ILDNLPRGARELYQAMEGSLSIERDDWFRSFDGTTEDFAVGVWTLQKCGLVRPRTKTVA
TVMAS TVQKAGAKKRGGTKRRREVVSYEKVAVVWC
>comp8305_c0_seq1; 437 147 1055 LEN=1558; translated
MDRRAQIEFGRQDRSVSRMGGGQNL RQQQLA QGSASKKQSAKSIPRDCATSHYKRLIHD
ALTWRFLQDTYIETVDNRGYSVRRDDLPSYSGFAVQVEIRDDGHRGRSVYAAEPIKKGTK
VWKSTHLVSFSTPNELQSFLGELDHDLC DALLWAYVEKGEYVSLALDPASFVNHGETE
EDINLDGDCYALRDIRMGEELLENYTHFIGFEEEGVEWYNHIRGLAWQEGDLGSRTAES
TNEYNLLGAPKMGIGGVVDAAGEYAPGRNPAAWMAGLLLLLVLLRRAGSLPFFSGKKEKE
GL
>comp8306_c0_seq1; 313 207 854 LEN=1068; translated
MDSSSSSPLERLNDASRAVELVDRFARTEPPQHEESDNRNTDINDKKNPWKNPQSIEEE
LIAARTSLAEAWRDLQAEHQRERLCLSENKDDAEQNHGELSEEEFRSMYMDTITDAFAD
VLEEMQTETHQGSSNASVVDVEVLVDCLQSGIELLEDDQRCKRSYFESLTKLSEDEDANM
EDERGNDGSLNVS IHEKKKRS LGWLP LVERSAV
>comp8306_c0_seq2; 313 207 854 LEN=1453; translated
MDSSSSSPLERLNDASRAVELVDRFARTEPPQHEESDNRNTDINDKKNPWKNPQSIEEE
LIAARTSLAEAWRDLQAEHQRERLCLSENKDDAEQNHGELSEEEFRSMYMDTITDAFAD
VLEEMQTETHQGSSNASVVDVEVLVDCLQSGIELLEDDQRCKRSYFESLTKLSEDEDANM
EDERGNDGSLNVS IHEKKKRS LGWLP LVERSAV
>comp8307_c0_seq1; 437 171 947 LEN=1244; translated
MNFSTRFLIALAVAVATTSVSSFSTVSPVLRSTTTTIPSIRNVGLIRASTAAGNSDGA
V TNKI IKQLERDEAKMIKKREAMEKLNKVEASLNQLQSKKQEYLNKSKLDSTPAANFSET
TGRSAVKALMWRVIAGSVTFITSFKFSGSVATALSIVGSDFLSKSFTMFIGERLMNKSQA
GRKSGADGAGRSLMKALVWRLFAICNTLTMAIFIAKDISIASKIAGSDAIFKTALMFVYE
RVWAKIEWGKEYQVEYNL
>comp8308_c0_seq1; 536 156 1244 LEN=1877; translated
MADLNDIDDTDLPEPSLKNIDQKSLQWVFGGKGGVGT TTTSCCLGVQLAKTRKKVLIV
STDPAHNLSDAFCQKIGREPTPIEGFDNLSAMEIDANNDMEEMQRTIAEQGADDEKDGGL
SSMMSEL TNSIPGIDEAMSFSELMKQVQNLDFDVVVFDTAPTGH TLRLLSFPTILEKALG
KVMELKDRFGGLIGQATAMMGGQNP GATQDAIVGRLEETR VVINKVNDAFQDPALTTFV
CVCIPFLSIYETERLVQELSKFGIDAHNIVVNQVLFPEKDAEELA EWYEGNKDSL PSEA
KEICAKMLARKRMQDKYIGQCFDLYGDDFNVTLMPLLDYEV RGSEK LKDFSEFLTNPIDM
EE
>comp8308_c0_seq2; 121 1 562 LEN=1195; translated
RSDNLCKCSSVALRRVRLTNEEHRREGELVDSPLLWHLFPLVLSFCVVCPRFRIDNLAG
AVQVCVCIPEFLSIYETERLVQELSKFGIDAHNIVVNQVLFPEKDAEELA EWYEGNKDSL
PSEAKEICAKMLARKRMQDKYIGQCFDLYGDDFNVTLMPLLDYEV RGSEK LKDFSEFLTNP
IDMEE
>comp8308_c0_seq3; 407 461 1276 LEN=1909; translated
MEIDANNDMEEMQRTIAEQGADDEKDGGLSSMMSEL TNSIPGIDEAMSFSELMKQVQNL

FDVVVFDTAPTGHTRLRLLSFPTILEKALGKVMELKDRFGGLIGQATAMMGGGQNPATQD
AIVGRLEETRUVINKVNDADFQDPALTTFVVCVCIPEFLSIYETERLVQELSKFGIDAHNIV
VNQVLFPEKDAEELAWEYEGNKDSLPEAKEICAKMLARKRMQDKYIGQCFDLYGDDFNV
TLMPLLDYEVRGSEKLDKDFSEFLTNPIDMEE

>comp8309_c0_seq1; 495 110 1846 LEN=2038; translated
MGQPPYETSDNPTSENRTSCRDRATATMANECLSVENVTRAAARGTLFTLVLRLLISFV
CTQLTIRALDPSTLGTSLQLELILTTILFISREGFRLALTQNVVQVAVLTIPTVVT
ISGTTMIWHLFATSSDEVATDYRIAGVLYCIASWVEGSGEPVAVLFFLRKLEVPVPRVEAE
GIATVAKTVATAVGIQFLPSSWTITAFGLAQLVYATIYTFYLYGRALSTPDWNEAGSPPS
SLSVFLSGLDNTCYTTFFVYTIQGFVKHMLTEADKIVLTAMSDSYNQGVYAMGASYGGMA
ARILLQPLEENARLLWSRLASESDKHNTVHQNDLFRSYTTLVKLVLYVGLVFGCFVAVHYT
GLLLNLAGRTWGSNIEASNILAGFCVYTSFLALNGMTEAFVYAVGGGDTAATEMKTGLL
VHTATGVAFASTAYLFVGRYGTGLGIVIANCVAMFIRSLYSLHFVAVYFSKSKQTGERSPLL
LDLCPHPVLAALAFALAWLATRLSLENLAANGFHLRLEIRNSDWLVQGTGWHVVTGIVFLAG
IVLLVGTFFERRFIKSLKNMVQNRKSNKSKDQKATRQKQD

>comp8310_c0_seq1; 417 92 937 LEN=1310; translated
MVEQTVNVDPDGSTTFEGEGAEAGDTAGEGFEIIIEMDEVTVGVDPAIYLLVAFVVGAILYL
LYLKKSRSNEDDYFSSYEKFNKLPKAEVDEYYSVKEKCMKAGWEPGKPPPTDKNPNPGRV
MAQALMKRAIGDIPVTFIQKESAGMNKLYSQSMCSVSQWRAYQNAETMVSTEVDEVRAE
ADEIEPGWSQVIWRQAMQYHGMKQKHEQEQRAAAETAACKKEIENKVNAAKAQIKSKED
EKAAAERIARELVEAEEREKNSKKSFSGGMKKGFFLEKKKK

>comp8311_c0_seq1; 222 98 945 LEN=956; translated
MMDYEQNGTEEQSAPLHMELTAASTTIDASVIQSRIRQSASIQKEDAAMMEDGDQPIFPK
LSAAQASGNKIEYRRVRCPPHRYTPLREHWEQILTPLVEYLKLVRFNTKTRSVEMKTSP
HTLDVGGGLQKADVFSAFMMGFVQDAVALLRLDDLYVESFNVTDVKILKGDHLSRAVGR
VAGQDGKTRFAIENXDADSNRRGRPKDSHAGFLRQSPSGEKRDLRPGSWSSAGKSLQQA
QRGEANERTILESREMPRTLGDGRRTTMSYRGNAMLASSSV

>comp8313_c0_seq1; 945 91 2619 LEN=3448; translated
MKFSTQSLALALAAASCTPALASEESPSAGLNSGLPNNHPPMHTLAKFSSQFRCPYAKE
WLAKGAHKAADLGLTNPKSVDASLLKQPQPPHRSRVLQASGASAKGSCSFTNPWSGPTC
MEFRGEGWTEENMAERCSSEADSALSPGEGCPTATELAGFCVSESAAGSSEATVMIEA
TSMMSIGASDCGKNMACETFFVGGSWEAADSCGGSGPAAGAPTMGGSMMGGGGFDYANMA
PSGSSGDGTCLLAPGAI GAHQAGFSNGYSAACPGTPAEGSPYMWPMAWATDFDTQSMF
GSDDVWRSQGRTFYRLDKNWKRSDTTFNSGILRTIGQGPCDDIDEESKNGVVGNCNKT
DFSKGDLTTMIHRGSKMYFITWKNSTEVKIGETDPSLIEECNHNMLMVGNIRPDWFLD
NRGDDTDVQYLGQHVYYADGNIPRLVKQWRKKDFASQYFTMSVTGNPKSNPKRNRKLMV
QNATTSDDDAIHWPILNIPGEGFGDDMLQVYTNHEMLSDEDDDLFMLIENLEASGGSCP
LIQSANGDDGEPSTVGPPQLEVHVP SNLEVDNSWFSNVYTFSPVWQPPMKANLPVDVPA
GDTGVALTEEGRVRESCYDPSQS SVKLSVEWLDVTP IPTKGAQLPWVSLGYRPTVCA
MNP IDGSDSKIVMVTQGPNETAPKAYAGSLAAGAKRLDQDALGSIYDSFWPLDETLGYSN
VQLSLPSEAIKIERQSMASQD TVKLSFHQSFESKPNAMHLMYAIGMSPQLGVHISRGL
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MV

>comp8314_c0_seq1; 803 70 1473 LEN=1678; translated
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RHVSFVDCPGHDILMATMLNGAAVMDAAFLLVAGNETCPQPQTSEHLAAVEIMRLKEILI
LQNKVDLVKPDAAVAQQEQIRKRVAGTVADSAPIIPISAVLKYNIDVVCEYIVRKIPLPV
RDFTSVPQLIVIRSFVDVNRPGQDVEDLQGGVAGGSILKGVKLGDEIEVVRPGIVTKQEGE
DGQTMVCSPIYSKISSLAADDNALEYAVPGGLIGVGTIDPTLTRADRLVGQVLGLRGK
LPDVFCIEIISYLLRRLLVGKTS DGGKQAKVQKLSKGEILMVNIGSTATGGRVIAVKGE
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>comp8315_c0_seq1; 1052 334 2967 LEN=4205; translated
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VRVFRKEVNRPSINFGCGLNFGMMGHDDDEEDNTIYNNSTYNDDETLPMTDDGSYARERSF
NTFFDDGTYDPSLFSRDSTLESSIDTDRVRGFKNRIDEKTNRPWDEQTERYPPTSRRKQS
RIRSTNSSRNYRRDKSKNNRGHKQAPDEETMSNLWDGVTEGNSPPEPKGSDDLSSPP
RLRSVLDDFEQPSGCHGFSSAASSKVKTEAEEAIVRLKTTWTDVLI AAKENGPKVAAAA
SAAANAAGATAFRKEESSSSSTDDDESDDSTDRNDPEDVTNLVHMMRNTEDTKDSPTALKA

ALMRTFSSNLSPFLLKAYQKTEDGDGEEGKEDEGKDSDDSSYNGNGSPPLNSLAMRMQNMA
YKEPTRTFVAVSEQNQLTPERMREKLNKIKKADSVVPSKQVAPLPSSSATVGSSTSPQS
GGQRKQAVGSPVRGDAPSVSQRSVRSSGKGVAAASVAGSWNTETIGSHRGDTSSVNTSS
ITSVNEIPSTIRLDPVRQHSSPLSTRQRDAASSPLARSLRSLGIALDTSPPSGMSRKSS
TASVSLPRRRSLFRRRSSPDNQDKPLADNSGGQQEPSTPRRKGNLPPVPPNSSTTPSSR
KHRTIGGGSVASVSTSGSSGTNNNTPPQSGESDADEATVATPPKEISKSESQTLKKRFP
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>comp8318_c0_seq1; 559 215 2563 LEN=3414; translated
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YASKYLRLALPNFFLLFPSKIFFLVLLPPILFNSGYQLQRELFYRHFSAIALFSIVGTALS
AFGAGSFLWFLSTRGWLGNSFEPTPLELLTFGALIAATDTVSVVGVLRKRVDPHLFLSLV
FGESAMNDAVALVLFKTLSDFLRQNAMSNDGNGTKTDIYKNIGKYLLDLLIQCAVSPIL
GLIFASLMGLAFKHGKMKNHMMLELSLYILPVYMPFMLAEELLELSGMITIFFTGIFARRY
MEPNISDETRDYARILFRLLAFLAEICIFLELGLSVCGMHKGHFSLPFVSWAFLAALLGR
ALGVYPLSLFYNLSLTRPVLSAKAKTMAVEMMAKGECSCTEMDSSEETTDCCDVGGDQC
KSNEETILMDVDTPQRSNRPSTSYVSVDEELNGVIKSRNHCDIVVATTPTSPAKGESASS
IGGESTSSSNLSSADLSVITNSYLEMMPTVVSKRETPERKRDKVIPLKFMHLLWFAGLRG
AVAYACAREFPDQVYGRDDFIAATMVIIVITIVLMGGATEMLMDRLNVRMNVNDDEYMRA
WHQQRRLKGRILHFYHWIYRFVVKDQSIQLMDESCGYIEQVDDQTARDEMIGGFVPGRD
LGAALTAQRNKDALRSNSMRKFRTRSRRWRESSPQEDIGFNSRFPTEERARKISLFDLN
NK

>comp8318_c0_seq2; 499 215 2035 LEN=3509; translated
MTNYGNAEFSNGADGGLDNSYSDERTPHIFFLSFSAILVIVLFLSRILEDSPRLRTFISE
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YASKYLRLALPNFFLLFPSKIFFLVLLPPILFNSGYQLQRELFYRHFSAIALFSIVGTALS
AFGAGSFLWFLSTRGWLGNSFEPTPLELLTFGALIAATDTVSVVGVLRKRVDPHLFLSLV
FGESAMNDAVALVLFKTLSDFLRQNAMSNDGNGTKTDIYKNIGKYLLDLLIQCAVSPIL
GLIFASLMGLAFKHGKMKNHMMLELSLYILPVYMPFMLAEELLELSGMITIFFTGIFARRY
MEPNISDETRDYARILFRLLAFLAEICIFLELGLSVCGMHKGHFSLPFVSWAFLAALLGR
ALGVYPLSLFYNLSLTRPVLSAKAKTMAVEMMAKGECSCTEMDSSEETTDCCDVGGDQC
KSNEETILMDVDTPQRSNRPSTSYVSVDEELNGVIKSRNHCDIVVATTPTSPAKGESASS
IGGESTSSSNLSSADLSVITNSYLEMMPTVVSKRETPERKRDKVIPLKFMHLVSRERWNM
MVQRIS

>comp8322_c0_seq1; 471 1 1840 LEN=1904; translated
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QSKSSGTAFFVIEGEQLLTNAHVVKSADIRVRPHGSTRRFPQVVCYAPDVLDLALLELVG
ESEKADFFGHPSAGEADGDEEEERIAKRRRTTKSLEFATELPLGLQETVHVVGFPPTGGRTI
CVTEGVVSRIDLNRIVAIQVDSAINPGNSGGPAFNSKQVTVGVAFRKRISTKSQKVDNI
GYLIPAVLVRAFLGRVDREKGTQYLSGTIPYRCHSLENHSLRLAHGVPDFVHGILITSVA
DAVTESTEDGTSAAESPLQLQPGDILTKIDDSPVADDGQVVLRGDELIIHHAYLMRIKQKD
ESVIFTVYRGGKHIVCDPYFLKDIQPIIPRWGGVDYMPNYLILGSLVLLPLFLELKNFKQ
CGHLLKADCIQSYWRWPREWEGKEGLVVLTEIFAHELFSFSYRPPRRRVVSYNGEKIKSLG
HLQKLWNASCSTVTTTSVEQKEAERTLTFVRLELENDDDIVFEVEAAMKAQEVMATHAIS
KPYNILPRNPNI

>comp8322_c0_seq2; 206 1 850 LEN=1190; translated
XPLRLSTVFHLIIYPAIREDCNYRIDTNRSSLLCDTSGTDIVRAMKGLPFLAYLFSIAIN
SSSNNGSGDNILGSTYKSNKNGGFFSSSNNDPMSIKGNGVCLVEVARVEWNPIQPWQRSP
QSKSSGTAFFVIEGEQLLTNAHVVKSADIRVRPHGSTRRFPQVVCYAPDVLDLALLELVG
ESEKADFFGHPSAGEADGDEEEERIAKRRRTTKSLEFATELPLGLQETVHVVGFPPTGGRTI
CVTEGVVSRIDLNRIVAIQVDSAINPGNSGGPAFNSKQVTVG

>comp8323_c0_seq1; 547 114 1091 LEN=1235; translated
MATNTEAPSFYEDVENLKKLCNFLTSEGPVREALLMEKRVTYLKGEKLVNFLAEPKRG
TKWPKDLPRFESRQDAIAVCKELCKLQFILRCDKQKGELESMVRNREFDESGYFAWIYEG
NKTMSHFMTAALVIGFFCCVCFQIWPPTFLKVFVWYMSVTLFFFIFFLISARAFIFLCVWI
IGYDLWIWPNLFDEQLGFWDSFKPFISFKPTGPGQLLYRLGVGVGFFSFCYWAITQPSEF
DGFVAAQGDFLKDLIEGNLLSDMSQEDKENIDKPKMQSLEDLLKDLDASEEEDNLKMEEL
SEEEKLDSMFDTLMDEEEDIDEDEF

>comp8325_c0_seq1; 381 1 1360 LEN=1360; translated
XGCVSPQSLYVTPSGDVKLWNFSLVTPVGPNTSTASAGPDGHFLEFEAVCCPDSYRSPER
TEQRWEAVSNTGGVHAMDSYSLGVLIGDYWYRTPPTNANRVPQTLQKALQRLTTANIKMR
PRLQPLLKCPVFDTQYKQLQKSLEQITIQPVEQKIYLWQNLGNQLQQQTGVIPEDVAKYK
ILPLIISTILTTCGNESMLAQDMYRREILAMLVPLFYIEEHYQDPDKAGKELAPLVAKLF
IVPDRGVRSVLLNRVGFANTLDKNALNASVFEPLCSGFNDSSPVLRELTLKATQTLVPS
LTAPNLEKFSRYLVRLQSDAESSLRKAVMFIANIAPHLSEVSRQKMLLPAYGRSISKDPF
PACRLSALQSLMKSKSLFSKQDLAIKVMPVMPVPLLLDPMTNVRQEAFRVVRNLLLEEIQQE
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>comp8325_c1_seq1; 497 116 1181 LEN=1181; translated
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ETNAIVVADESASLAKQTADPANAIVLHEDKEHYPSEAEDTFGEGVRTAVLDEDEDAMDLDQP
IVEPVVTKSHHLGGGDDDDDDDESGEGRRGKRKQSVSYLYSDEFLLTSNLLSNETTATRIG
IALVGQFHHGKTSLVDTLMEPTLKPSSDRWDPLDSSSEDPTEHTTSKSETLRYTDITQSE
RDRRMSLQSCPITLALPDTRGKSYAVTLVDCPGHVQFHDESVAALRSVDGAVLVCVDALEG
IAMHTELLARQIVSEGLPVCLVITKVDRLVTELRLPPRDAYFKLLSIVEATNRLIX

>comp8325_c1_seq2; 666 116 844 LEN=908; translated
MADDNNSDDENDNELYDEFNGYIGPELSDSSDDSSDESEGGNDHGIGDEGSVVSVMDDDD
ETNAIVVADESASLAKQTADPANAIVLHEDKEHYPSEAEDTFGEGVRTAVLDEDEDAMDLDQP
IVEPVVTKSHHLGGGDDDDDDGWGDDDDIDENAMAFSSIGGGATNQTHPPSSVNTSASS
MGGFGGGTDDDDPFASLGMKTASSVAKPRLGAKKGLVLPKKAPPKLTMSNEMSDGWD
DF

>comp8325_c1_seq3; 415 1 559 LEN=623; translated
XAAKPAAPASGSSTSASSGYLSGLSSWMSTSTAATPAAAPAAAPTVPVPPKPAPQAPVQQ
FAAASLNPPQAAAIAEDGWGDDDDDDGWGDDDDIDENAMAFSSIGGGATNQTHPPSSVNT
SASSMGGFGGGTDDDDPFASLGMKTASSVAKPRLGAKKGLVLPKKAPPKLTMSNEMSDGWD
DF

>comp8326_c0_seq1; 342 136 1277 LEN=1316; translated
MTTIAKPSETKGFDFKDQQFEQNEVADKVVEQYDEKHARVIFYKYVMGGGGFDIHYGIFRKA
SDTVYEASKATNERLLTCLDWTQPVTKDSFVLDLGSFGGGISARGMWLESDCCVDPESEFC
FGILPFFDLKLLKRLSSFNXKIDLVVLLLIQFFLSSLDISIGNTNYVHIYVHILIAE
KYGCKVMGANISPEQNKMNLDDEAEKLGVGELVDVTLNCFNDGLPFDDNSFSHIIISCEVLC
HAADKVTLFKELKRVLPKGGAFVFTDIMGADGADEKILKDFTRDNATTKMARPSEYFTLL
TEAGLSEPSFLNFSPLVHYFQSMVDQIVKNKAAMMEEGCSEAYLAKWMESESLTSRVNIQR
DHKVFAWGIFARLEGDVY

>comp8326_c0_seq2; 291 817 1368 LEN=1407; translated
MNLDEAEKLGVGELVDVTLNCFNDGLPFDDNSFSHIIISCEVLCHAADKVTLFKELKRVLP
PGGAFVFTDIMGADGADEKILKDFTRDNATTKMARPSEYFTLLTEAGLSEPSFLNFSPL
VHYFQSMVDQIVKNKAAMMEEGCSEAYLAKWMESESLTSRVNIQRDHKVFAWGIFARLEGD
VY

>comp8326_c0_seq3; 420 136 1059 LEN=1098; translated
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SDTVYEASKATNERLLTCLDWTQPVTKDSFVLDLGSFGGGISHEIAEKYGCKVMGANISP
EQNKMNLDDEAEKLGVGELVDVTLNCFNDGLPFDDNSFSHIIISCEVLCHAADKVTLFKELK
RVLPKGGAFVFTDIMGADGADEKILKDFTRDNATTKMARPSEYFTLLTEAGLSEPSFLNFS
PLVHYFQSMVDQIVKNKAAMMEEGCSEAYLAKWMESESLTSRVNIQRDHKVFAWGIFAR
LEGDVY

>comp8326_c0_seq4; 301 136 1150 LEN=1189; translated
MTTIAKPSETKGFDFKDQQFEQNEVADKVVEQYDEKHARVIFYKYVMXVSSFNVRQNRFC
PSRILRLMVDVIVIRIFRGGGFDIHYGIFRKASDTVYEASKATNERLLTCLDWTQPVTKDS
FVLDLGSFGGGISHEIAEKYGCKVMGANISPEQNKMNLDDEAEKLGVGELVDVTLNCFNDG
LPFDDNSFSHIIISCEVLCHAADKVTLFKELKRVLPKGGAFVFTDIMGADGADEKILKDF
TRDNATTKMARPSEYFTLLTEAGLSEPSFLNFSPLVHYFQSMVDQIVKNKAAMMEEGCSE
AYLAKWMESESLTSRVNIQRDHKVFAWGIFARLEGDVY

>comp8327_c0_seq1; 598 152 1657 LEN=2155; translated
MSDSNNDVTSALDDLMVYLAPTQKRADVKYEAVKVVSXGMADRSQALGLIEAGVLKPIILR
IASGASQAMESARDEDQDKSNNTNLLLELASSTLALQTLTYATSAADEIVNAVVDKLLDL
KAVGRIVLVLVLDLPSDASSLSKSSKKIINTTLAILANVTRTEKGAMELVGTTLPPEEAVYN
TDEEAEPFRFEELPEDGEDEGEEAYQARKNDENDKHVRIKASMELELDRFVRNVPENNTS
VDLTVLEPSEWDAALCLMDPYQHFAALLMNATQVKGGRKFVTKIPRSSTSKSDENQNQPQ

SVLERLIPILREKAKTANPFRRRGIAGMVRNCCLDSKENAWWLLNICVLTPLLMPLMGP
EELDFEKKGMDFDLWLDGPDQVRDLDEATRLYCVEAVLALLATGRASRKTIRVARTYTV
LKTCDLAESEEVSDKISECVNFLRRDEEGSKEGSSDRQVYGEDDEEDDDANNKGNVAGL
LEASPSAKIAPISDEDFDGV

>comp8328_c0_seq1; 262 132 671 LEN=809; translated
MKSFLPRMVLAAASMLLSSSDGFSFLEIGSKTPCDARETITKSGPSSPAIDRENDSQWQS
RRDSFASIMGAATIAGAAVLGSPAPASAEPDCFKDCLKNCLIIAPQDKTYCTDTCTSYCA
QTDRTDGLSGSVSAENGEVILGGSFGQGTVPKGEDKPPSIKLPGLDFSSGNGKKLIGY

>comp8328_c0_seq2; 262 132 671 LEN=775; translated
MKSFLPRMVLAAASMLLSSSDGFSFLEIGSKTPCDARETITKSGPSSPAIDRENDSQWQS
RRDSFASIMGAATIAGAAVLGSPAPASAEPDCFKDCLKNCLIIAPQDKTYCTDTCTSYCA
QTDRTDGLSGSVSAENGEVILGGSFGQGTVPKGEDKPPSIKLPGLDFSSGNGKKLIGY

>comp8329_c0_seq1; 140 26 340 LEN=1058; translated
MTVKRRNHGRNKHGRGHVQRVRCVSTGKAIKPKDKAIKRFIVRNIVDASSLRDIKEASAYQ
EYQLPKLYLKMFCVEAAVHQVVRGRSREGRVRTPPPRFGR

>comp8330_c0_seq1; 1164 251 3655 LEN=3751; translated
MKTFFNKSDDLCLHGEQLEDDPFSSLNFKETIGFEDDVNVEENVEFEETITYDDDLDFDET
LEVFEAREGTGITLQCSNEKGFHGRWSSKKEKLSGCSYNYCVLDSIRRRERLLVLYLII
GLTLIVAFFTLLVTKRTSESSTISSTNEMRKNVGSFRFIRGEGGGAGNLGFVHLSNSKN
AFANDDVIIPPFSTFDPTEDLDRFGFDRPSSSSPSARLSHLKRAVPTNAWYQNMRLRDVN
EETAAHRVYTVPYVLDAAAGDFAGIRLHATRFEATPTQMRIATDEPYALTLGAMSDVND
LMTTELDKGYSVHEANDLGLTLQWNSFMKTTLVRGSPYVTMIYNMVDHATTQGFLEPMHW
RLDTSELPVVDGNRKNVCESEPVFTVQRDIELAFLNSGQRWLIFFSKPVQLQCKNSQGSP
TILQVLKGGQDFYDDHTLVIRGAVVIESSNPASDAEAFSDMYANQLRASANVYPGDQTAVT
HSFHKHKRKRARISFNWDPRKMRLENSVVVGEESTDIRDTYEMIMFALPHHLEVLQGNVF
QTLCTSSLLGPICLVEGNVWNMYEELPGVSFQAERYPEPKYVPLLAELLEDIRYQVPSN
FFSGAGDITYFSGKTFAKLARILLINEEIKMMCTSALQFRNSQYWDACDGLVLPDSDEEDEN
ALNQLRAGVTVWVKTNSETPFVYDNAWGLISCGCIYQNEKCVNQFPDCAFTDQGLNFG
NGFYNDHHFHYGYHYVYAAAVLAHFDSWAIDHYEDVTLVLDYANASEEDTAFVFRNKD
WYRGHSWASGLTEPMFGNIMNQESSEAVMAYEAIALFGKTMATIFHHAGDTEQAHTANM
MHKIGLTLTATEIRSTQHYVYVQVQKSRISESYGASVVGIFWETFAEFTTWFGNAPYLIYG
IQLMPLTAISEARDSVQWAREIVQPLMESCDAAACVSEGSVQLHAIQATIGRVQEAIDGI
LQIPGSAYKHAGNGHSHKSNLWYASTRPPVTNPVLGNEDESEQIVGGDDAVDKVEVNDY
GDAGLDLYVDDDDADSFDFDPHEGFVYGDGDDGDDDDDDPHSVDDDDDFSAFDPVRCFHRE
ECASVLDNKAGPYSCRDRIKYLRDVLQREELDACRQVAVFEYPTCEGLCGPHNR

>comp8331_c0_seq1; 194 177 572 LEN=1539; translated
MPLRSVSRFQSMVAPAALLVSLLLLSPFAVLPVASDDQAAEEVSSGWGGCVNPETGYEPV
TIGKPTTVCLVVSNNGDWTDVVTYMLRNFAPFIADQYSRHFVPEFSQVLVGDQPQLGEIFTG
NITVHAEAQTA

>comp8331_c0_seq2; 447 177 1022 LEN=1199; translated
MPLRSVSRFQSMVAPAALLVSLLLLSPFAVLPVASDDQAAEEVSSGWGGCVNPETGYEPV
TIGKPTTVCLVVSNNGDWTDVVTYMLRNFAPFIADQYSRHFVPEFSQVLVGDQPQLGEIFTG
NITVHAEAQTALSFOKLYNSERQVFPFLTAIISVDEGSVTGITWDNACVFCGSKQCVDN
TYGYDGEIQTEEGAKQPVGACFNTVEACKESTTAECDLMLYVVTGTDANGRDFRSSANR
FSAFPAQSWADRINLSLPDVGGWFDNINPFNKGDEETESN

>comp8333_c0_seq1; 159 1 911 LEN=1020; translated
XPIRSRPLDSAMDRNRTKPKKRPDQPPRGFHRIPGGGSSAVLGLLAAVVACGNRNHHGP
LFGGVAEAFSAPPPAPVPPPPQFRALFLASGSDDP SHGDRPAPKKKTKKSRRLVLP
NLDRDLFAKGGVATITPDGVVVAEEAGRPRSSKLGVPKPRKPKKSGSGKSLSAKARR
LRNQRTAGGTIDSSASEGRKGLSSIARKEDEPVRIATARRGSKTVMVQGMGASTPPEER
KALLKLLKARVGGGGTLVDGVLEVQGSHAETVLGVLSAGYAKASIVGGGGSGQRKKT
KTK

>comp8334_c0_seq1; 396 121 1245 LEN=1440; translated
MSEKEKTKSDHSFLPESSMWAIRPYDPIDTSLIEADGGKWIRLDDGRVVEYFVSGSSS
PDARVLVDCPGGCTGRLFSAPVPAHVGAEEELNYKVVSVPVPGFYSSIQPGRIKDWPI
TDLLPVLLKKEKVEFLVTGTSFGTCHALATAWQFAEEKETGGKHESGVSCIGMLRVPYL
GSESKQLELENHLSIGYTSTANTSLIGTVIARLFTSFASRPGDAFEKPGRLMSAFVNL
LNPALAKLERLMTDHHHLMKTCKVDMERCVAHSDQGILYNYATDILLDHGFLVTEIWKD
LPVVVWYAEDDEDPPSHGKIANKHADNTDKDEPNHFTNVSSRVFAEFGHIGTAFLNHD
EFLRELHGHVTAQD

>comp8335_c0_seq1; 250 284 982 LEN=1244; translated
MTIIPVFMPLFNKYEPLEEGTLKTRIHLAGRIQYPLKCLFVMDGSKRSSHNSAFMFGF
GSNKRIVLFDTLLEQVSNNEILAILGHELGHWKLGHHTLTNFVVTQVYFGVAFYFFSQCYT
SKDLYAAFQFDSTTSGVPTIIALLLFFQTLWAPVDKVLVSVLTVFSRHCEFAADRFSVDL
GMSQDLQSGLCKIHLENLGAMCPDGLYSAYHYSHPPLVERLSAMMALEKKKD
>comp8335_c0_seq3; 438 169 1692 LEN=1954; translated
MDLPWKPIYTSAGEFDWEGGISAASDSTDDGSYSPFAYWSLAGTVGFTVLYVYMEGHL
ARQKAYQITEFPNELEATVSKIDSQAKHSEKEDDAKNSKGSDDNSDDKDAIDMDKPLL
EQLQAKFKSSQSYGMDKINFGMVAGTYETFESIAILLGFTPFLLWDQSVRLGETYLG
DEEIKITLVFLLLQTLIDTVKSLPFELYKTFMIEKKHGFNKQTYGLFFSDKIKSLIL
IGGPFVALLLKTIKYGENFYIYLWAFMFFFSIFMMTIIPVFMPLFNKYEPLEEGTLKT
RIHELARIQYPLKCLFVMDGSKRSSHNSAFMFGFSGNKRIVLFDTLLEQVSNNEILAIL
GHELGHWKLGHHTLTNFVVTQVYFGVAFYFFSQCYTSKDLYAAFQFDSTTSGVPTIIALLL
FFQTLWAPVDKVLVSVLTVFSRHCEFAADRFSVDLGMQDLQSGLCKIHLENLGAMCPD
LYSAYHYSHPPLVERLSAMMALEKKKD
>comp8335_c0_seq4; 351 169 1200 LEN=2080; translated
MDLPWKPIYTSAGEFDWEGGISAASDSTDDGSYSPFAYWSLAGTVGFTVLYVYMEGHL
ARQKAYQITEFPNELEATVSKIDSQAKHSEKEDDAKNSKGSDDNSDDKDAIDMDKPLL
EQLQAKFKSSQSYGMDKINFGMVAGTYETFESIAILLGFTPFLLWDQSVRLGETYLG
DEEIKITLVFLLLQTLIDTVKSLPFELYKTFMIEKKHGFNKQTYGLFFSDKIKSLIL
IGGPFVALLLKTIKYGENFYIYLWAFMFFFSIFMMTIIPVFMPLFNKYEPLEEGTLKT
RIHELARIQYPLKCLFVMDGSKRSSHNSAFMFGFSGNKRIE
>comp8336_c0_seq1; 169 253 524 LEN=524; translated
MIRRGESNGNGNGKHHDEEEMVSFLGTGAASKNGPARTSTESGSSRTIGIVPVSVL
CGIVFLATGLSFGALDSKPTSSNSNISSX
>comp8338_c0_seq1; 345 248 1456 LEN=2009; translated
MTNANDCGNHECAICQDTLKNPITLPCNHRYSDCDLDWRCRHFVDFKQKTCPECRSKIPV
TKSMVAQLESFRRLRSDLENKLNKRPCPLPALPGTADYNYTKGFYGNIGDSEIVRIRNLS
PELQQRTLRSILETAHVHFDQCIRDLEEQISDGIIVLEEYNTQTEDYDELNEIGVACENN
NVEMVLEWLGDPPIPSRRINAKNSKSNEMTLHATKGNRINLVRFLQNGADINSPTAM
GLSSFLASCTCKRYESIAMLFLWGWADKDATAPGPPGVDVTAMDIARGFAENDELVEVL
KSPLGRRQCIVGLKHGAADIDGRTCIVGKYFEATEEYAVTIGDSDLRDGDARTKIKSRN
LKRRDRTTQSPGFVLEFHGREAGSNAIKWKAKNVSKQDLDP
>comp8340_c0_seq1; 705 1 1912 LEN=2107; translated
XKKLHPPPKAGPKETTESNEQPPSPMSKQSLTAPSESEKATGGTEGEAQEPPPPPE
LLVRRNDIGGTTSRSFVELTIRGETVGALETTPEPPARRSLLWQAFSCNLFANRKS
SSQELTEKLQQEVDLSLASSNSWDRNPSGVPYAKIGGPQSSSLPPPQFLHQEEMPPPS
FLHQEQNPNRQPQNHPRAFGSEIRMNSFSRNEATSPLQSDYPLHSRENSFNHRGVDYR
GASAGADRNDPSNASKHKPPDTEPTEPTRWQEFTELKSLLDLKYGKAKTWKKKI
LTAVLFFVSVLVFYDLFFGKQDFIVTWLHAFVLMWTTQASAVFAFVGIFFVSLTAFVPP
TLVFGAGYAFTVAMDSALAGVTAAVLSSFLGSCIGAVLAFIRSRYMMRDLVKLFANRYP
LVRAIDQALKVRHGFRMLLLRFCPVIYPYNALNYCCGITGVTLYDFTLVSLVILPFQIFT
IVLGATAGTVELKNLNEYTRGEMGAFVGLVIGIAFGLVAVVYAWRLVKWEIKRELGLS
TEEFYMIQPPPAEGHDRGLGTGSSERSGSSSPGSYHLQDDGEGSFRDPSAGRSTGNANA
SASAIATSGTTPARGVTPPARGTTPFQEEGEEFWFWWA
>comp8342_c0_seq1; 530 65 1102 LEN=1448; translated
MFSVSRSTISAVVKGQSAISKRFASLGSVSTLKGEHFVSDQLSNDELKGLLDVSHHY
KEVYSDKSKSLPKPLDGHSLSMIFQKRSTRTRVSTETGMAMLGHALFLGPSDIQLGVNE
SMRDTASVLSRFNDLILARVYAHDDITELAKYSDVPIINALSDLHHPLQTLADLMALQQH
FGKDLGKTVAVVGDGNNVLDLMLGSLKMGMNQIATPTGYEPDADIMAKSKVLAEENG
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>comp8344_c0_seq2; 405 313 2037 LEN=2192; translated
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TPGVSRTLPSRATPLPRSMRLTPRSRRGRDSSCDTIFLSPNENLHQSTPGKLGPIVIL
FEGEPQSLKHKASYAPSPYSCSRSSVAPRTVIEKTPATEARKESPEGCVRVETRSLG
QDSSRFISDLIVSANARSAAFDCDGLSDDSEGEHFVLANPTALAQRDALNMPPPRPSR

RRRTSSACESEMQSNDSTPYRDASSQSTTPNQIIVPENKEWVLNCDPIISRP IIVPMKSLGT
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>comp8346_c0_seq1; 546 1 2451 LEN=2653; translated
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DSSPTRGFVEEPTGRHHRVPSLGGASRSGSVSPTSGNRPYQSFLGASGASVSKSPSANKL
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DGATVLPKRLQMRMPPSLSEQPEPGFDRVDPRLYPDSLGPNTGASQDFPRIVVVDPRIAQ
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GMHELALQTLGASPRGDGEAQKPN TGKRGDASLFGTKGFWR YAWKLV IDHYDGGEAEED
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LADKSKKKPLKRLEIARDIANGLADVHGIDGDGNATFVHLDVNPANVSVRGTLKLNDFN
IGIVRRWNTTSNEACGFPAQYPNPQWRSPPEARNEQHLTEKVDIFSLGHIFFR LICGHEP
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>comp8346_c0_seq2; 285 1 890 LEN=1092; translated
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DVNPANVSVRGTLKLNDFNIGIVRRWNTTSNEACGFPAQYPNPQWRSPPEARNEQHLTE
KVDIFSLGHIFFR LICGHEPWNKLEPGGRPSKEEVNEKVQRGDLPFIPEDVVRSDNPEV
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>comp8350_c0_seq1; 466 1 1264 LEN=1369; translated
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SPRDVV TALLVNYAGLAEREP SARVLASLDYLLNIPSK EESHQVASLILRAP PDEKEVL
IGVLD SVGNR KDS ELDKRMGE GEVSGILEAAAELCKKQASDRSRAEMSAKLFMLGYKHSK
LVQLLNEQLAPVDAFDDDKRYWTEQSELFY GAYLSKR TKVLDSIEREGKLAL IETNRSLL
ELRSFLAAYQQRNFQEA FGIVSRTG LLLPMAQDDLNETSS LFRDLDPILKGELPTVLTAAV
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L

>comp8350_c0_seq2; 466 1 1264 LEN=1378; translated
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SPRDVV TALLVNYAGLAEREP SARVLASLDYLLNIPSK EESHQVASLILRAP PDEKEVL
IGVLD SVGNR KDS ELDKRMGE GEVSGILEAAAELCKKQASDRSRAEMSAKLFMLGYKHSK
LVQLLNEQLAPVDAFDDDKRYWTEQSELFY GAYLSKR TKVLDSIEREGKLAL IETNRSLL
ELRSFLAAYQQRNFQEA FGIVSRTG LLLPMAQDDLNETSS LFRDLDPILKGELPTVLTAAV
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L

>comp8352_c0_seq1; 496 125 1087 LEN=1368; translated
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SHVELKMNLSLILAAD EKREVEGKSRQQHEIFYKEKNDLMEK IERQIDEA INNAEGNDGN
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>comp8352_c0_seq2; 496 260 1222 LEN=1503; translated
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SHVELKMNLSLILAAD EKREVEGKSRQQHEIFYKEKNDLMEK IERQIDEA INNAEGNDGN
NTENDAEEEEAKEELQGILQEGRAEMERIEKLIK EKQAKVEELKISAAMAQQQDVVDDIV
TSIAEEFADGNESGDEGSEY

>comp8354_c0_seq1; 260 1 757 LEN=990; translated
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FEVRCRVKANYESADDQAGIMVREDEDNWKVFGIQLIDDVPHMCATITHDYS DMSMHPLP

HLAEYMWVHAKKIGDGLLEVYISEDSDHWMQIRQGDINPD AIHQIGLYAASPCSEEGLLAK
FEDFMVKGENDG
>comp8354_c0_seq2; 309 1 999 LEN=1232; translated
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SEDYPEPR TGMHWLSEPEEWSQHRTTVEMRAPSGTDFWRMTGTDVCDNAPFFYLEIEGD
FEVRCRVKANYESADDQAGIMVREDEDNWWKFGIQLIDDVPHMCATITHDYSDMSMHPLP
VRIAKELQNELESLOTTRMIQSPSFNSLISLVLMIQCFPPEKYPSGVPMEINPFARLETM
TIYISLILIVSGYTKTYXIMKHLAEYMWVHAKKIGDGLLEVYISEDSDHWMQIRQGDINPD
AIHQIGLYAASPCSEEGLLAKFEDFMVKGENDG
>comp8356_c0_seq1; 323 295 732 LEN=1024; translated
MNDIAKTQDDSTLYMPSMYDSEEEEDARDENTCSEIQRSEPRRRHSRYSLMRCLAWSEAE
DDIEEKKSNGKEDQVDEDQOMFVIQNNVSGCISFNSVHSAHIDS IHRPSGNEIRPVHWI
QRVSSDNKIDSYLSGKKENDAFSKC
>comp8361_c0_seq1; 448 736 2968 LEN=3091; translated
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LKNATHSNFWWSTSPKEVPKWILLAVFDSPFGLSDSVWKNADSFLESCVTYLVIALHAI
RLGDGSYRFGGMGAVESLLRKRKYVQTLSCSHYHAEQSNERDIFDRYGPNALFQSVQQLK
GFLKWGADASYFHGESKGEVFTSYIFATQGLDLAIP TAQTYFQYGEKEIDVFGDQAMNQL
PPLKSCPETKNKNMQFSFNEVSLLRNGEYASIYPYNLFLDFNVI FADYSGXEFVAATLSD
SESEIYLEEDLWSEGNEEF SFRMNGKTLSESEALCIH HKAGVSRCKTRISNENISKDLIS
GNTKSPNVLLLLLDPISRSHFDRTMPETNEILRKLDFLRFERYTAVGPNSGPNQSAALYS
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LFCFDFARPN CIGPDLASSLLLDYGEQFISRYEKLRRSSH PNLRWASFMHFVDSHEDTM
VLSATLDSGLSKFLERIERKGYFENSVIIVTSDHGLHYGPNFPSRQGRREATEPILYIHI
PSVVRDQIDMNAFTSNRKTWTPFDVHETLLNLTQTSTKNSEMLRRGLTLTEHLPRSRND
CRKNYDLIPPIFCDFQLNETIEDEACGFC SVHQKKPTIDSFFLDIPPLKRRPLMHIDDDC
FNRNRTLTDVDFGLCDHKSDSK
>comp8361_c0_seq2; 581 736 2874 LEN=2997; translated
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LKNATHSNFWWSTSPKEVPKWILLAVFDSPFGLSDSVWKNADSFLESCVTYLVIALHAI
RLGDGSYRFGGMGAVESLLRKRKYVQTLSCSHYHAEQSNERDIFDRYGPNALFQSVQQLK
GFLKWGADASYFHGESKGEVFTSYIFATQGLDLAIP TAQTYFQYGEKEIDVFGDQAMNQL
PPLKSCPETKNKNMQFSFNENSLRLT LSDSESEIYLEEDLWSEGNEEF SFRMNGKTLSES
EALCIH HKAGVSRCKTRISNENISKDLISGNTKSPNVLLLLLDPISRSHFDRTMPETNEI
LRKLDFLRFERYTAVGPNSGPNQSAALYS GIKLEKRG NLRHSDSADKWLWDR LRIAGYIT
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RYEKLRRSSH PNLRWASFMHFVDSHEDTMVLSATLDSGLSKFLERIERKGYFENSVIIVT
SDHGLHYGPNFPSRQGRREATEPILYIHI PSVVRDQIDMNAFTSNRKTWTPFDVHETLL
NLTQTSTKNSEMLRRGLTLTEHLPRSRNDCRKNYDLIPPIFCDFQLNETIEDEACGFC SV
HQKKPTIDSFFLDIPPLKRRPLMHIDDDC FNRNRTLTDVDFGLCDHKSDSK
>comp8362_c0_seq1; 208 608 1297 LEN=1941; translated
MKSPRLFYHRLHPLSPK GKLAYKGFEGGLASSNQLVQAASQFEDNVVLRNNIYRAATTEA
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RSYLNGLWSACKSIGRGKTEWVREDVYEIDNNEWKELLKDFDLVVF SAGSGLFESALLH
QDDFPINLVRGQSIEMTINNQIPWNA ILCGEYVSPLLERDRILIGKHRI
>comp8362_c0_seq2; 204 368 1201 LEN=1845; translated
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HPLSPK GKLAYKGFEGGLASSNQLVQAASQFEDNVVLRNNIYRAATTEA QVAQFQKTASEL
PDLAKWITPDSTIDHGGGNENWEKEYLSCENNVLGILRLSGGSKVVMHRSYLNGLWSACK
SIGRGKTEWVREDVYEIDNNEWKELLKDFDLVVF SAGSGLFESALLHQDDFPINLVRGQ
SIEMTINNQIPWNA ILCGEYVSPLLERDRILIGKHRI
>comp8362_c0_seq3; 283 368 1528 LEN=1774; translated
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HPLSPK GKLAYKGFEGGLASSNQLVQAASQFEDNVVLRNNIYRAATTEA QVAQFQKTASEL
PDLAKWITPDSTIDHGGGNENWEKEYLSCENNVLGILRLSGGSKVVMHRSYLNGLWSACK
SIGRGKTEWVREDVYEIDNNEWKELLKDFDLVVF SAGSGLFESALLHQDDFPINLVRGQ
SIEMTINNQIPWNA ILCGEYVSPLLERDRILIGATHEFKELALTPDEVEVELKQRSYGFA
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ELLSNLILDVEDESDLKENLEWWRK
>comp8362_c0_seq4; 287 608 1624 LEN=1870; translated

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RSYLNGLWSACKSIGRGKTEWVREDVYEIDNNEWKELLKDFDLVVFVFSAGSGLFESALLH
QDDFPINLVRGQSIEMTINNQIPWNAILCGEYVSPLLERDRILIGATHEFKELALTPDEV
EVELKQRSYGFASEVWNNGTIDKVTTCGFRVQSNRGRPRRLPIVGRFETNYHHNSWVFTGL
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>comp8363_c0_seq1; 322 44 505 LEN=615; translated
MKVIATLFAFLAVANAFAPASTGRANTQLSETLFDKVFGMDFAPVANQNEYGQYKKKGI
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>comp8365_c0_seq1; 425 236 1363 LEN=1592; translated
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ASLVGQNTQKLVADIDALRKHLVVEKGVVLLGGSWGSTLALAYAQQYPEDVDSLRLRGVF
LFSPEEVDYLFQNGGTYGQNPEAWDNYCRYIRDTSQDWTREQTNLLGAYWNRLTSSNNKDT
REAAAAAFVGYELSIKTFVDPVAVIEEYLGTPSILIPFAVMEVHYMLNAGFLRRGQLLDN
VPKISKMMVEICHGRADYVCQPQAARLRTQALRTAGCKSVNCFVSAAGHSDSEPLVDA
MVRASDKLADALSTK
>comp8368_c0_seq1; 789 1 1861 LEN=1968; translated
XDDDPYVPLAKRKKLEKEALIGGMTHRRRLGLDDADSSGLGDDGGKSSTTGAEGGGKT
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QTNALQAASELAKGIEYKESMPSTWTCPRYILNQGEDAWEKIRKEWHMECEGVDIPPPCK
RFVDMKFAPPILVLRKKGKIKKPTPIQMQLTVALAGRDLIGIAFTGSGKTLTFGLPLVT
VALEEEELRMPLAPGEGPVGIILAPSRELVRQTYEVVMEFCDEISKTPGYPEIRTQLVIGG
ESVKDQLMTLQAQGIHCVIATPGRRLRDILKRKAMKLDNCRYIALDEADRLLDLGFDEELA
EIMNSFGHQRLNLLFSATFPKFKQDFARDTLIKPIIVNVGRAGANLDVIOVEVEYKDDV
KIPYLLQCLQKTAPPAAIFCERKGDVDDIHEYLLLLKGVDAASIHGGKEQEERNEAIKDFK
AGSKDVLVATDVAAGLDFPQSIQHVINFDMPEIENYVHRIGRTGRCGKTGVATTFINK
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RQMASGRKDALATGDYGGDW
>comp8370_c0_seq1; 163 154 696 LEN=713; translated
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>comp8370_c0_seq2; 123 154 354 LEN=631; translated
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>comp8371_c0_seq1; 616 171 2039 LEN=2407; translated
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SLFMVDAFQPVAAESTSQRNHQRSIHDRRTRFVAGTSSNGNTEYDMVVVGGGSAGLTAAKF
ASGTLKKSVLIVDEERLGGDCTWTGCVPSKSLLSRAKASKMARSYAIQQHPQGNDAKLD
DDHRSQSRANFSKVRDYFQRVQEEIYEEDDSPQALEKFGIETVEGQKAHLTSPTSVSFQK
TSPTSSTTTTTVEAKEGILLCTGAKPNRPTSAAIPLGSDIDYLTYYEIIWTRKFGGDDSLP
HHWTVVGGGPIGCELAQALSRLGASVTIVTGSSGRLLPNVDDEEVSVLMKEVFEQDENIR
VVRGTLMSVPEPSGADASETKPLGHVAYVKTADTKEPVPVEGDAMLLSIGRKPNTAGLGL
SLEIEIDPKTGGIAVDDTLKTSVDGIYAAGDCTGDKQFTHYAGYQGAVAARNILLPFTDP
GKLGNDVPTTTYTSPEVATIGYSESAAKEEFGEGSVAVSSRLDQVDRAICDDATKGVIK
VVYSTKGGKKILGATIMAPVAGELISEISVAMNAGMGFPGLAKAVHPYPSYAFALQAMAA
EVYYEDVGKFRWVYNILKRLGL
>comp8374_c0_seq2; 189 1 404 LEN=516; translated
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>comp8374_c0_seq3; 375 1 1015 LEN=1127; translated
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VSKSFARPSANGALVSGVDTVNI SVASYRVVESEKRGKHAQFLVIYREGSIRDITIGVWR
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>comp8378_c0_seq1; 119 397 594 LEN=594; translated
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>comp8379_c0_seq1; 457 1 1009 LEN=1325; translated
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EFLKIKKKRTRKFLDAFNHIDKALKTIYDTMTKSSKHPLGGNAYLTLDDTEEPFKGGMKF
NAMPPMKRFRDMYQLSGGEKTVASLALLFAIHSYHPAPFFVMDEVDAALDNINLRKVCNY
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>comp8382_c0_seq1; 356 82 648 LEN=769; translated
MSKSSAAANGQALWAKQPKANAELFALTYGALVMEVVGADAGNVKEINEQLENIGYSIGI
RCVDEFLAKSDVAVCKSFEETS NVLGTKAFKMF LGANCDVHQHSAKSFSLIMHENPLTVF
VELPDEYKETLQYTIYVYCGVIRGALEMLNYKVDCTLVKSTLKGDDVDEIKVDLKSVMQDG
AGDDYHEE

>comp8383_c0_seq1; 497 459 1733 LEN=2009; translated
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VLILIPRELALQTS AIVKEMGKHMVQCMVTTGGTSLKDDIMRLYNTVHIIVATPGRIL
DLASKKVADLSNVKTI VMDEADKLLSPEFQPVLEQIIGFCDKDHQICLFSATFPVTVKDF
CKQFVNPYSINLMDELTLRGITQFYAYVEERQKVHCLNTLFSKLEINQSIIFCNSVNRV
ELLAKKITELGYSYYIHAKMQQANRNVFHEFRNGATRHLVTSDLFTRGIDIQSVNVVI
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LYVG

>comp8383_c0_seq2; 345 459 2015 LEN=2291; translated
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GKNIWTKRSDAKIILAETETRTRFLAYDYAYYCGNIQF I LVKVKQLATSPSPHKVLL
SFLSITFLIIGWHIYLSLPYNFSGTNNACNLRTVLILIPRELALQTS AIVKEMGKHMV
QCMVTTGGTSLKDDIMRLYNTVHIIVATPGRILD LASKKVADLSNVKTI VMDEADKLLS
EFQPVLEQIIGFCDKDHQICLFSATFPVTVKDFCKQFVNPYSINLMDELTLRGITQFYA
YVEERQKVHCLNTLFSKLEINQSIIFCNSVNRVELLAKKITELGYSYYIHAKMQQANR
RVFHEFRNGATRHLVTSDLFTRGIDIQSVNVVINFDFPKNSETYLHRIGRSGRFGHLGLA
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>comp8384_c0_seq1; 359 115 1627 LEN=1718; translated
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SVEDGRKNSLLDIIFRHCKHDRFSIKFRDQPPEGTSSFSKLGWYALGNLGLWSIDIMMLV
LLSFINIAFEVAILQFAEATPFTTGEKMLDGLILGLVLVPPFCIVDDL SALS KL SRMGLII
LGLTMSVVAWYGLNEQKAMDNAASTFERGERDTGINNHND SKFNLYPLNGIEGVSKWFGC
TVFSFGIVPLTFNFRESMADPEKLPQTAMISMSLVGVCYIVIGVSFLYLFPNIENDLLAE
IPSTGLLATTRIAMILVVMAS TPLLI VPCAEIIEGKIYRSKSGDTRKSKTLMIIIRSSI
LFFT VSIASKLPGFISVLSFVGCFAVSMVSFVLPPLGHLHWLLLGQLHGDGSGDNDYTLWSR
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>comp8389_c0_seq1; 936 1 1899 LEN=2143; translated
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EQAINYENGETESSTVVFRLCPVDSCASDTLLGCDEGYGDIYVIGIDTFLDVYMESKREEG
EGENGNPMVAYNQYQEFDASEYMECSEYKAEEMNEEQQQQYNYNSGGNQNQWYANYQD
SSFYIGPCTEDGTSISLNLTYDEQCSYPAEVNFTEVSPGWQSLPFSEGLVEMNCMSCY
SQNENYWEI SEMCEQEYTS AVSSCEQYLNTTASGYHYHVTSGCEHIDSMVANFTEAQR
KSAWSTISTAVSNTASTVGTAVSQTASTVGTAVGNTASTVGTAVSNTATSVGNAAGPTAK
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ESPSGPEDIKRRSSVALVRSTNSVRESVVAANVTKVAVATAIASNVI SDGEKKPNE
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>comp8390_c0_seq1; 148 339 1333 LEN=1573; translated
MGSSGSRTKLRPFLLAGSSLLLF GGRPVAAML PVATGRGARSSVRLDSLATR SVSSALP
AAFFANTHHPQRHSGRARALPWNLHHSRRQORTLGNPFWSSCITPLLASANDSGDEIV
PTWEYVPYDPSKNNKIKSKGANTRSKNATGRNQKPWTVPKHVRI PDDARIEFSFVRSSGS

GGQNVNKLSTKAELRIDLVRERHAWMPAEVQTRLKDQQSNRISREGILTTLTSQEHRTQGR
NKTEVLNKLRLALVLQAXAEAKGSEAAHRDLQGRQGPQQGVQKEAERNQAEPEAGRLVSPG
GEGRLRAGTRGAPAKATKPNQIGVFLDLPAQ
>comp8390_c0_seq2; 148 339 1333 LEN=1615; translated
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>comp8391_c0_seq1; 159 596 1392 LEN=1544; translated
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>comp8392_c0_seq1; 310 66 1054 LEN=1054; translated
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>comp8393_c0_seq1; 476 160 1802 LEN=1802; translated
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ASSTQSATARTRGLSHLPVPDIETEHPSVVRIOGDKGDETKHTKAKDIRNTGSSGSHTGE
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RTRLEIPKTGLLYHASWIRGKIGDSNLGWI PKPQMLLCLMEEKFGSATDSTASSLGGNNT
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>comp8394_c0_seq1; 521 1 1403 LEN=1597; translated
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LVAASLGVSTTTILPSHAEQLVSSASVCDATVSVWSKGGRIIYLLGTAHISSTSAALAGQ
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AERIA GSSSSSDGARDLSDEEFKQELSTFVETMKTENVR LIMGQLKRVAPFLYEALVSR
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>comp8396_c0_seq1; 462 1 1699 LEN=2408; translated
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ELLFGYTGPTTTSTMEAYDMLAGFLSSREKAEQQHQDQQLSSYKMILDAMKPF RD AIQS
LSQDAPCTAGLAISILRRIRMVLLQRHPTWVEGIGTSGKSMELRDNSSVFHKRVLEK FVN
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NGNNHSTSHPHHEPTTMDGLFWGEEPVDSPYCDSTYSEPPRKRNAAKKYAESNVHLYCS
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>comp8398_c0_seq1; 373 217 1515 LEN=1768; translated
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GNDDSEEQSINANAETTGN SNGNKDDL RVHHTMLQPHVLYVSIRQKGN SILPLIRNVP I A
YSPMVPDYILGPTVCALFLSIKYHKLYPRYIYRRLSELRDDFKLRILLVLVDVDDNSNSL

LQLNTFGVQNQLTLILCWSELEAARYLETYKVVREGKDAGCIQKRESTNPIDQAADFLCAT
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>comp8399_c0_seq1; 569 2975 4984 LEN=5450; translated
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VDVFEDPKYLHLVTELECTGGELFDRIIAKSQSPEGHYSEHDAASIIIRAILDAIAYCHSKT
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RNDVTKNFLFLTEAEGSPIKIIDFGLSRHKDENEEMMKTGVGKFRSNCDPGXLKLMLEMI
VRFFDVLCPICHDFSDIPGTPYYVAPEVLRREYTEACDVWSIGVITYILLCGYPPFYG
DNDAEIFMSVRAGDFDFPSP EWDDVSSDAKNFVTYLLQQSPELRPTALKAMEHPWIFTHV
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RGTGDGRVSLTDIHSSVLKEKLS PQIQAELIAMKEELSLSDDD TLNWK SFLDATVDK NLM
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>comp8399_c0_seq2; 707 2975 4699 LEN=5165; translated
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VDVFEDPKYLHLVTELECTGGELFDRIIAKSQSPEGHYSEHDAASIIIRAILDAIAYCHSKT
IVHRDLKPENFLFLTEAEGSPIKIIDFGLSRHKDENEEMMKTGVGTPYYVAPEVLRREYT
EACDVWSIGVITYILLCGYPPFYGDNDAEIFMSVRAGDFDFPSP EWDDVSSDAKNFVTYL
LQQSPELRPTALKAMEHPWIFTHVPTAATEDRVKILSNQSI RGTNFQKFLGMQKLLKKAAL
VTIARNLTHEEVGSLEDVFRKVDRTGDGRVSLTDIHSSVLKEKLS PQIQAELIAMKEELS
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>comp8399_c0_seq3; 447 2975 5118 LEN=5584; translated
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VDVFEDPKYLHLVTELECTGGELFDRIIAKSQSPEGHYSEHDAASIIIRAILDAIAYCHSKT
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RNDVTKNFLFLTEAEGSPIKIIDFGLSRHKDENEEMMKTGVGKFRSNCDPGXLKLMLEMI
VRFFDVLCPICHDFSDIPGTPYYVAPEVLRREYTEACDVWSIGVITYILLCGYPPFYG
DNDAEIFMSVRAGDFDFPSP EWDDVSSDAKNFVTYLLQQSPELRPTALKAMEHPWIFTHV
PTAATEDRVKILSNQSI RGTNFQKFLGMQKLLKKAALVTIARNLTHEEVGSLEDVFRKVD
RGTGDGRVSLTDIHSSVLKGA VRMRCEKVRPASANGVECCSSVXENGLCFFLTND DNI V
F SKXKLS PQIQAELIAMKEELSLSDDD TLNWK SFLDATVDK NLMVMREDKIRYAFDHFVHGE
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>comp8399_c0_seq4; 636 2975 4814 LEN=5280; translated
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VDVFEDPKYLHLVTELECTGGELFDRIIAKSQSPEGHYSEHDAASIIIRAILDAIAYCHSKT
IVHRDLKPENFLFLTEAEGSPIKIIDFGLSRHKDENEEMMKTGVGKFRSNCDPGXLKLM
LEMI VRFFDVLCPICHDFSDIPGTPYYVAPEVLRREYTEACDVWSIGVITYILLCGYPP
FYGDNDAEIFMSVRAGDFDFPSP EWDDVSSDAKNFVTYLLQQSPELRPTALKAMEHPWIF
THVPTAATEDRVKILSNQSI RGTNFQKFLGMQKLLKKAALVTIARNLTHEEVGSLEDVFRK
VDRTGDGRVSLTDIHSSVLKEKLS PQIQAELIAMKEELSLSDDD TLNWK SFLDATVDK NLM
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>comp8399_c0_seq5; 514 2975 4948 LEN=5414; translated
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VDVFEDPKYLHLVTELECTGGELFDRIIAKSQSPEGHYSEHDAASIIIRAILDAIAYCHSKT
IVHRDLKPENFLFLTEAEGSPIKIIDFGLSRHKDENEEMMKTGVGKFRSNCDPGXLKLM
LEMI VRFFDVLCPICHDFSDIPGTPYYVAPEVLRREYTEACDVWSIGVITYILLCGYPP
FYGDNDAEIFMSVRAGDFDFPSP EWDDVSSDAKNFVTYLLQQSPELRPTALKAMEHPWIF

THVPTAATEDRVKILSNQSI RGTNFQKFLGMQKLLKKAALVTIARNLTHEEVGSLEDVFRK
VDRTGDGRVSLTDIHSVVLK GKAVRMRCEKVRPASANGVECCSSVXENGLCFFLTNDDTN
IVFSKXKLS PQIQAE LIAMKEELSLSDDDTL NWKSFLDATVDKNLVMREDKIRYAFDHFV
HGENKDYLT LND FESIFHGDTQGREVFQSLDKNGDGRVSFDAFRAAMEESIDFDGGDK
>comp8399_c0_seq6; 585 2975 4833 LEN=5299; translated
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VNAKELGHGHYGI VRKCMNRATKQWYAIKSIRKNKVKKIEVLKREIEILKEVKHPHIIEL
VDVFEDPKYLHLVTE LCTGGELFDRI IAKSQSPEGHYSEHDAASII RAILDAIAYCHSKT
IVHRDLK PENFLFLTEAEGSPIKI IDFGLSRHKDENEEMMKT KVGT PYYVAPEVLRREYT
EACDVWSIGVITYILLCGYPPFYGDNDAEIFMSVRAGDFDFP SPEWDDVSSDAKNFV TYL
LQQSPELRPTALKAMEHPWIFTHVPTAATEDRVKILSNQSI RGTNFQKFLGMQKLLKKAAL
VTIARNLTHEEVGSLEDVFRKVDRTGDGRVSLTDIHSVVLK GKAVRMRCEKVRPASANGV
ECCSSVXENGLCFFLTNDDTNIVFSKXKLS PQIQAE LIAMKEELSLSDDDTL NWKSFLDA
TVDKNLVMREDKIRYAFDHFVHGENKDYLT LND FESIFHGDTQGREVFQSLDKNGDGRVS
FDAFRAAMEESIDFDGGDK
>comp8401_c0_seq1; 1580 131 3052 LEN=3094; translated
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QPKRGGDAGTTATEETNGGSDGTDARGDEGNPTEPGLSKNEETS NKDAGSSVASVRKVG
SASGATDPSKSTRQH QKSNTSATAAVASVDTDRDDKDDPGVAAKEQKKKPPPPRPPARSV
VPPPNPNASKPNVARSETPPHATTTINKRKDDIKLKEQKQRF LQQQQQLVSKNKTIQSLQ
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EEREDIQDDHDEMEDLQRDHQAALDKMRQEYEQQLAEWKERFESEVTLRQQEGGDSIRD
LRDANQREKEALKKLA EVAAEKTALQAKLDRVIGHETT LQQQVESSMESAE TVAAERERRA
REELDEATALHAKQMAQRQAREAELEQTILEMGSAL TMAKQELQQQRMAS SKHGAAPGSS
PDEEQQEANGSYFKEQLEQVSELETVRVRLT METQRREALQQQLTEVSQERKQELSSTQ
ARQHQRDRKVADLEATI HRLQDSARALQQKAGHSGSNTGGVGNDSNATHPSSVNGDVQQP
RGPSELELERAKREIANLSEQLLRQQSVAKNAKSEILALKGRLQANARAEAEKAGHHS
KTAANPRRSYDI ESRGNHNGTTFSPRRRIKGGSSRGVRSIR SALPCFASGRPAESGAA
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SMDSNPRHWREHT
>comp8402_c0_seq1; 159 1 595 LEN=892; translated
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ARGNEPGPRKTGSTTTSERIRKAKEAYEKDRASRITVRYTYRFVYDSGEEDSVRGTPTWEK
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>comp8403_c0_seq1; 588 169 2295 LEN=2482; translated
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EDPSDICS GTIRVNNEEGRIPKQMVGVVWQDDLLLSNL TVEETIYFAARLKT PSSVSDQE
VRKLVEETMIELGLLHV RNNP IGSATESGHGSSRISGGERKRVSLAQEI VVRP SLLVCDE
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TVRPPYLECFVDPLPPETGIADWIMDTVIADERRQKSLCIDGNKKSSTASDDGQYVSLADR
WAANRSKFEQTTKQAE CNDNKK EPMTPSGDHRHENHRRIFSLAQFRKNKQKSMYEASFGR
ELSMLTRISKQRREK ITRVSFLLTLYVIFT SFMYFRLPDDTANIFERN SLLFFLLIA
QGMGIVNTSIVVFNRRERALLRRERAKKLYRVLPFFLAKAASDMTNNILLPLLYGIITYWL
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PISNMHIALKWVSTVSFARYGYSGLLINEFGGREIPCYESSGEEDGDDGTD FKGITVGGG
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>comp8404_c0_seq1; 340 351 1202 LEN=1720; translated
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KKRTPKEGDRRRRRRHASEAGAKASPGGVPRILGKGG SNGRERSRKSAAAAAIRSPQEAT
QQEYRPLVPSVRRVMGEDY WIDPSDLEKEQKRIEQQQKQRENGAGSSKKG YISQEKLMT
EVKAPYRQNWIGYFSLMVAVLSILVSQFPELLEPAPTMRFPDL
>comp8407_c0_seq1; 536 1 2203 LEN=2219; translated
XGDNKISLALQPLRGKESKHQLIMAI SRNASDYPGATLEAFEIGETEYVFESDYKLEKEL

RSGSFGTVYTTTHHRKTREEFAVKVIDRTRKLEKDDIATFREIGIMKDLIGVENIVKLIDV
YIIPETFYIVQFYAKGGDVFDR LARRVSYSEMDARALSAI LMETMMHMHKRNI CHRDMKP
ENLLKSSHNSTILVADFGFAKYVPKEGLKTRCGT PAFVAPEILV GKRYNTQVDMWSVG
CLIYMLLGGYPPFKDETHRGLFRKIRGCNYSFHQAFWSNVSLQAKQLITQLLTVDPNDRL
NAYESLSAAWFQEDTRRLSARDLSGSIRELQKFNAKRTIKSAVEKVAAAFHVEKISDLLK
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CYSNVYMKDFAVKIIERDDETD EQVLEVNIMNQLHHENLVGVVDFEEDYIYVMELM
AGGDVFDRIIE LNNYTEKDARDLAKMLLEAVRYMHENGVVHRDIKPQNILLETKDSNCVI
KVGDFGFAKRFYTPKSLVSRCTPSYVAPEILKNQPYDESCDMWSVGVVLYVMLCGYTPF
MEDTQEEMFKRIIAGDYIFDPEDWSHVSTEAKELIQGCMNTNVDRKRLTAQQALQSRWITG
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>comp8408_c0_seq1; 436 1 1692 LEN=2167; translated
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EDRLMRLFKLFD TDESGETISYDELKLG LNYQVTELGTAGLGDEAFALLVEHL DADKSGDV
SFAEFSEGIRLLLLRSTLHRFAQTQAMNEPLVIEIFDYN SGLNRYFLQGVAQRSASKMN
LPKLRSPFYKSLVNF MQPRAEDVTVRWIDITGKQASDIMKMMALKYK LHP LSLEDALDT
SSQRSKVDSYDGHNFIMIPVFKLNHSVIAEKVDEKNEKNRTWYDRLLHRGKKDHD TTTST
VSDNEDRTKMKLIEVHMTSIFITKPYWNTVITFNNENSSEENWSGLRTELEKSYSRLRQY
DGQILVYSLLDRTVNQIGPLIQTLK KVIKAEKKIAEERYKNMDSIHSLERELSAMSRL
KPYLRVVLH LIEDDSFGPAASMYIRNVLDLLEIYDEDVKHLISMCESTYQEA EK FQAKQM
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>comp8408_c0_seq2; 442 1 1818 LEN=2030; translated
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EDRLMRLFKLFD TDESGETISYDELKLG LNYQVTELGTAGLGDEAFALLVEHL DADKSGDV
SFAEFSEGIRLLLLRSTLHRFAQTQAMNEPLVIEIFDYN SGLNRYFLQGVAQRSASKMN
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VSDNEDRTKMKLIEVHMTSIFITKPYWNTVITFNNENSSEENWSGLRTELEKSYSRLRQY
DGQILVYSLLDRTVNQIGPLIQTLK KVIKAEKKIAEERYKNMDSIHSLERELSAMSRL
KPYLRVVLH LIEDDSFGPAASMYIRNVLDLLEIYDEDVKHLISMCESTYQEA EK FQAKQM
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GRQSL

>comp8410_c0_seq1; 288 354 1382 LEN=1547; translated
MVDFV VAGFQKCGT TYLQNKIFYP SERLFI PHHETHFLQNDKYAEFIGEFENVTKAANGD
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AEFVGLCRELCSEETDMEQMAQSCLNNAHWCTGEMGYHKYLSRLGLTPMNTSEELDLLG
HHGMSIHD FSGSRKRVMSVVRGVKQHVDEARLFLIEIGQFDHRMNQTMADDVRS DLET
FLGLDPGDLPRAPHQHGGKRPKIDYKYPG YEEYVLDICLDRYKPMRKILLET SRKASKW
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>comp8411_c0_seq1; 155 65 289 LEN=1041; translated
MEDRNFVCHSNEGKDACEGCGYGAKENYTEAVASFSAPGLSSLPPRNMTVA AKTASTA
PVSSWDWDYIRDEIW

>comp8412_c0_seq1; 92 598 704 LEN=704; translated
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>comp8412_c0_seq2; 328 320 1197 LEN=1441; translated
MTTGPTL KSENLLFDXEMEKIILARKLQECADDWATPVEDLSPIVRKPAEQWAKGAVSES
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YFDFCMSWEDEQGRQKFFADLNGVEGTPELTWIIYDAARHKYAILKEAQSGINA AKPSGI
GSEESA I KPLVWPESYDDL VVHVHGDDLA FVDVGSAAACGAKTILVELPKSMGQTAPFRFD
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>comp8412_c0_seq3; 523 112 1356 LEN=1600; translated
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EKAAAL THTEVRELAIRREMEKIILARKLQECADDWATPVEDLSPIVRKPAEQWAKGAVS
ESVQQVLTAWEMERHHS AERHIFPGVIDALKQIKKEHPDVIIGAVTDGKANPQLMTFTL
APYFDFCMSWEDEQGRQKFFADLNGVEGTPELTWIIYDAARHKYAILKEAQSGINA AKPS
GIGSEESA I KPLVWPESYDDL VVHVHGDDLA FVDVGSAAACGAKTILVELPKSMGQTAPFR

FDTSIEQPTWATTSKSELEARIKMNEAAREHVTVVEINTLERLPIAIDQILRDDL
>comp8414_c0_seq1; 176 140 1239 LEN=1786; translated
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IDPTSIFLFRSLGGAVTFATAKYAQENSRGRGANSIHPKGVIVENTFTSIPDMVDELM
PLVAKFKGLILAIGWHSLKIVPTLTCPVLYLAGSSDEIVPHSQMLRLHQSTSRSVLNRLH
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>comp8415_c0_seq1; 25 1 866 LEN=1453; translated
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TTRSHTIKSRLENVHPLSLFRIVQDVDRYKEFLPLCSGSKVFRETIRDGGRSFDDELV
GYGYGFGSSSLFETRYVSSVKVDPEALRIETSSGTGTLTSDGTSNNDGNESGRMFDLSLTS
RWELRPAKAERGGGRLAGTVVDFVEMTVSDPVVAAVLNQVQLARVAESQVLAFAFHRGAL
PPPTEEELGRAERFLANTEARDNPLPTVPKYELVTHTCSEEIQSLRS
>comp8416_c0_seq1; 132 1 614 LEN=1446; minus strand; translated
XDYLRNSKFMVSYLLYNISSICTKIDAHFANNDSEFRSWTKIKEDLENHPRFKYAIQVEKD
FDETGSRVCAYPNPNWERNQWDIYYPLYEAGFRAPEGGFQWQFDMGDPTRLHEELCKEV
YISNCEEHPYSRRLTTSFSTKSRGLQEGSLEEPGDSFVTITIGLSSEVVDIDDSLTPA
FNVEFSKLLVAVAVTTMVVMAAI
>comp8418_c0_seq1; 526 508 1692 LEN=2100; translated
MDKKECPASAWFAAMNRKTRDRESNTYILKEPKLTVLILYNDRLLAHQLDWINYSEE
VLSRIRFVIIDDGSIVGHRAKEFLELNHNKSDNLDNESTTTSIEETNIQRMKSNHNSAD
EKNHYGSEASNVTSLDIRIYEIDQDIDWNVGGARNLGFVIVSQNYGESFNAETSCHKIKP
VRNSTSPWVFMNDADVLVPLETMEFVLGLMEKKSNSLSADSASSVSVGAKSHFPESDAYMN
ETNPVYANFQRIGRKGKLNKYPHPAVMLTTTDSYWAAGGCDEDFVGNYGWTDPHFFYRA
NESPSLEVVISHKRMDKFSIPPLVEMSKKYEKSCPETLSCLPLPAEHKPKTKKKRKRDRSS
DKRDNEEKYFTKPKLSKNNTINNELYIHKTTTEGDW
>comp8419_c0_seq1; 103 1 396 LEN=396; translated
XFRSQQCYWKMSSDQOSTQPYTFDGEHEHPYFSLYSSILTTSYPSSLPVLPSSNPIRYD
LSDSDSDSGHGETNAEEANDPPSPKRRRTSISDSVASFSSLNQEEATRADESVSQPHLV
PSLPVDTDTVKEKX
>comp8419_c0_seq2; 86 1 763 LEN=969; translated
XEPRNLVPSLPVHTDTVKENEPRNKYLEKFNQCWEKYNAYVYAEAFRRNGHTRITSSRRHR
NWLQTQANANYNERKLSYRIRKLEAIGFVWQGRKKTWNEIMSAPAAVAKWEQLFARLIHY
KILHGGSTMVSKSYTKDPLASWVSEQREHYKGPKMLENREKRLDMVGFKWRENENDNAP
PFDPMPPFDEMLGRLASYITKHGSQTPVPKYEEEDVALGVVWQTQRIAKKVNKVPEENIT
LLNQLNFLCGQKKT
>comp8420_c0_seq2; 403 1 924 LEN=1312; translated
NWLSSGGVAVVAVEVFFAVATIVVTARAARTNSEVEEENDSGGWDFDLGSKNDAEDLATS
NAVDSVRLFATEEGIQEPNTSDVLQSVQLETTTEEGVGEPTSDVLESVQLETTQEIASN
SMDMVVDSGRLETIKDTLDSIQLEATDFVPPEIMENIDQFDIEVDESISIDGFGSVSIEA
IDNASDTKGPEQYGVSDTDPLYALKFPEAETPTDSTLDPLQRETMQSSSNGYETNEETSD
YAVNFPDQNNLTSSGIETLYSMPSEAAATEFTAEQDSSARSDAIGEKRDNYSGLQNYDD
SSDQRRK
>comp8421_c0_seq1; 606 221 1186 LEN=1373; translated
MKFQDALNPFPTFLAQPGDEPPEEDPTPLTEAFDTRLRLDASSHAAARSQQQQQYVQH
QDQTSAAENKTNKASAFDANMALKKQKKKGRDGGYDNDISDDEESSNHSGDDGDHDD
GSDDEDFDYLLDDDDDDAVLQAIRQKRLRELKKAQSMEAEHKANGHGEVRTISQDEFLESE
CTSSDHVVVHFFHKEFEKCKIMDHHLKAIATNPKHLSCKFVRIDAEPFFGVKLIKTL
PTLLVFKNGQTVERLLGFEGLVSSSRGPTVDLEDFPTSRGLYWLESTGAIEYDGPESDDE
DERGTSSTGTRRRHTRVYDEDI
>comp8425_c0_seq1; 222 1 1395 LEN=1532; translated
RKKKNLITLRYTHCLPLLTASFLLRRDFSESNTTQRNTRQRNTMLFKALAVLSALPAFLVP
GCLASWDEESSVITNNVQWKDQAGEKVKAGRGSTISEKIDGYWYMGANSKPEIPKCNLD
GGDIYIYRSKNLGSNSWEEVAKIEGKDARSCAMNKHPSGKIYLHCRRLICISEAKDGPGG
PYTCDYLDVNPFFPKSDGNTRKVGSSSTFRKGNTGDLYFVTSRAERKKGGRFAFIYKL
SSDWKIDREVASWEYNGRESYVVEDNNKFVFTSRTARWKYSRTHYKKAADSLKGLETA
KEFYVDMWPPDNPKIQSMGTQFTYIQKFGDGKWMFGGRRHPPEEDPCNFGEKWSLVMTPF
EFKGGTPTVYWRNSFDWLGEASITSTYDNHPRDSYQPDCEFDNPKFEMPWGQMKGCPWVQ

RKKTDIRCAKPGVTSECPVTCDAKFCDAFCNPEKWKQKPNCP
>comp8427_c0_seq1; 188 1 1235 LEN=1382; translated
PIRSISRTEFPFASERANLPGTSPVVLNRTKPNPTKPNQMIASLAGRGAALRCRRCLPLF
LSGPLPRSQSGSTAKAPPPTTWVTTEYPPGENGAIIVVRMNRGPANALSLELCAELSEAL
RAIGKASPGRPAAGKTTTAVVLASSVRGIFSAGLDIAGELYEPDPARLPSFWWHVQQLFL
DVYGRDLSIVAALGGHAPAAGCMLALSCDYRVMVSEGAAPGRPPAIGLNESRLGIVAPP
WMAKQYTDVLGHRREGELALLEGLTFPPNAALDHGLVDELVPPLPPGGSGESDWGAPEEA
ALAKARELVAIPQGARAAVKELTRTPLVEDLLANREEDTEHFRCRFVSSDPVQRKIGAYLE
ALKQKQXGKVTGRRARRGRMEGSQEKSADKPEGRSTMFAASLPATILTV
>comp8429_c0_seq2; 185 97 402 LEN=1006; translated
MALTLLNHFYWQIPEAKVPFMIADVIVVAMRYVDKALTAERELQEIQQQQAQKTQKMNK
EEKLAQKQEARHQHKMAHTSKHGGNGGAGKKQNFNIKSD
>comp8429_c0_seq4; 185 97 402 LEN=613; translated
MALTLLNHFYWQIPEAKVPFMIADVIVVAMRYVDKALTAERELQEIQQQQAQKTQKMNK
EEKLAQKQEARHQHKMAHTSKHGGNGGAGKKQNFNIKSD
>comp8430_c0_seq1; 110 1 366 LEN=716; translated
HRLRTNRSITTENGEFLFPPNKCICKTSKNAKMEEPDLIRLSIDERVYVKCRGNRELRG
RLHAYDQHLNMLIGEVEETVTSTEIDEETDEEIVKKQQRKVGMLFVRGDIVVLVSPPLRT
T
>comp8430_c0_seq2; 155 554 709 LEN=1059; translated
MILGEVEETVTSTEIDEETDEEIVKKQQRKVGMLFVRGDIVVLVSPPLRTT
>comp8431_c0_seq1; 262 84 1298 LEN=1986; translated
MPLRREKRSQTFQIDSSETPFGSISNPRRLEEISSATWVITRRVLKSAWLKVTLVPLFL
WFLFRVYSAVLGVSDPFDQPFCDASGTCHERPVDVSPRTVYSAWDKKQFDLWWKYGELI
DRVDAYAKKRQKLYENNKLNHDHRTRPLILLGDSITESWSETGLGIHKHRAEGVASVLE
TELSASFGLDPIVLGEAGDQTQHLLYRLENGHMKAAELLSSDDSGQTSFYDPSAIFVMI
GTNNLGSSELPGPTTKGILAVAEYLLRETDEAGCNVLLFGLLPRGDGRKVLKPCPPRCS
DEATNTPYSSFLPPIRSVNEALSTEVEALAKTYPAAAEAAASPRIRLVDCGSGFLNPSYDN
ETAYGVGGNYEVLHDLMPDLLHPSVQGHQILAECIRDYIGQIDG
>comp8432_c0_seq1; 284 260 1180 LEN=1221; translated
MELNFMSQNNEGGTRSREYLSRVAEGSANVDPGSGNFSIEVLRAALFNRYQLELPNVNAEG
VSDNGDVTKFEGFICNKDAHWF AIRKINGRYWNLNSMKEQPETISHFKLATEIAGFQNSG
YTVFCVPLGLPPACKTESQRGRGLPEYWWKEDDLVKGKGDATTAATWSNVGSGMRLDGR
STTSNQNLTDGLTEDEMLDMALKASLESISAPKPEATVTLTDEPPQGTPTDARIQFRLQN
GTRIRRFLKSDLVSMVYAYVESESTDAQGRLVELRAGYPPEDLQMKQKTIGEANLSGKS
IQCRFA
>comp8432_c0_seq2; 286 664 1296 LEN=1337; translated
MKEQPETISHFKLATEIAGFQNSGYTVFCVPLGLPPACKTESQRGRGLPEYWWKEDDLVK
GKGDATTAATWSNVGSGMRLDGRSTTSNQNLTDGLTEDEMLDMALKASLESISAPKPEA
TVTLTDEPPQGTPTDARIQFRLQNGTRIRRFLKSDLVSMVYAYVESESTDAQGRLVELRA
GYPPEDLQMKQKTIGEANLSGKSIQCRFA
>comp8433_c0_seq1; 345 230 2503 LEN=2523; translated
MPKSKQLKLYPLFRPSEVSSVDHVKNDDTGNADVDSDSDENIPLTSLLLSRPTPSQDS
NGIERNRKPSPGAKSGLKALKGQKNEKKRLASAVSASAHCDNTENKNPRFNAPATDCKQK
EIKTRVEESFAPSKKMSKHTKIGRKATVQATITAAIASANDHTKKPAQTKRAADSDNPDG
EREIKLETLLKSEINKNSAPLSSKTLPTNHCSSEDEKHKNGSRWKVGVPLFSQSTMDFVAS
EGGDSKEPFRKNIVHTLNRRTTHGGCLVQGPLRRHYSPPSSKARMEQNRSSLPSSSWPT
KLKIPSWISLEQPLTGNTASSIGGNIDHMAWDAMGVLLAVSSDRTIRIYDWDMLRAADIR
GRSDRARNTNDHTEFKIPPIVNFQLPHVSVSLVWNPFFEMDELAVGFRVSGQTIYNVDRV
ARWIAKDPSTRYNRRPLPHSTHQSIVLQRTVTSIGDILFLDADNMLIAVGNTLFRWKRNLE
KLRRKQRQPNGAFASGILVWRYQPPSPVTSMALIGSNMVI VGTNRGHLLLIDWTKRRTKV
TLFSFSHEHRPKVLQSWLPHERLKATHEDKGLRNRMGIVKLRVSSNQSCTVGGKKNWGRCR
VLWVTLSGWLLSTILES AVR ISEPCLVHSASPKVMYTNDSGIPITTDKRSWVSLPYNPIGV
DMSNQHSACWVGVPVTRKLSHHDKFVLDSPSTVVSRRSLMVHGIGDKIRNIPLPGIV
KGLPQSI AVHPSFEWILVGEKRLHVMVSGRANTNG
>comp8433_c0_seq2; 295 230 1453 LEN=2637; translated
MPKSKQLKLYPLFRPSEVSSVDHVKNDDTGNADVDSDSDENIPLTSLLLSRPTPSQDS
NGIERNRKPSPGAKSGLKALKGQKNEKKRLASAVSASAHCDNTENKNPRFNAPATDCKQK
EIKTRVEESFAPSKKMSKHTKIGRKATVQATITAAIASANDHTKKPAQTKRAADSDNPDG
EREIKLETLLKSEINKNSAPLSSKTLPTNHCSSEDEKHKNGSRWKVGVPLFSQSTMDFVAS

EGGDSKEPFRKNIVHTLNRRTTHGGCLVQGPLRRHYSPSSKARMEQNRRSSLPLSSSWPT
KLKIPSWISLEQPLTGNTASSIGNIDHMAWDAMGVLLAVSSDRITIRIYDWDMLRAADIR
GRSDRARNTNDHTEFKIPPVNFQLPHVSSLVWNPFFEMDELAVGFR
>comp8434_c0_seq1; 245 159 878 LEN=986; translated
MGSRCPLTWGLFLGTAALMIRHKRKQAKISATPATPLPPCEVVFVLGAPGTGKGTQCERL
ENRLVDGELNRTWKHLSAGDLLRAERDAGTGPMADLIRSKIQAGEIVPSSITVKLLENAM
AAAHQESKGSITHFLIDGFPRSHENMSAWEDAMGAVHTIKFVLNFECPEEVLVGRLLERA
KESGRSDDKIEVIRKRFKTHVESTVPILDYFGTQGTPLHNIDSAKSIEQVYETVEKLFA
>comp8439_c0_seq1; 196 100 414 LEN=492; translated
MTEPKKDAPPAPEAGTDDQGTGGKRSDFLKSVLGRPAIVKLNSGIEYRGVLACLDGY
LNIAMEQTQEYGLDGLKATYGDCFIRGNVLISSQAKRKQGL
>comp8439_c0_seq2; 157 100 213 LEN=756; translated
MTEPKKDAPPAPEAGTDVSI AAVLACAGPDEVFVQC
>comp8440_c0_seq1; 340 300 836 LEN=1025; translated
MGDSITEGTIVEVWAQIGQKVEEEDIVALIETDKVTVDIKATKAGVIVQQFGAIDDEVEV
GADLYEIDTEAEATVEAAPQSTEATPAAPAASTPEPAPVASAPAPVPASSAVAQRIPSIK
FLGKEGWARALTVEPALVIPASYGRLEFSEEEEMEALWSSGGANLAPELKEYSTGAIFSA
>comp8440_c0_seq2; 246 300 747 LEN=936; translated
MGDSITEGTIVEVWAQIGQKVEEEDDEVEVGADLYEIDTEAEATVEAAPQSTEATPAAPA
ASTPEPAPVASAPAPVPASSAVAQRIPSIKFLGKEGWARALTVEPALVIPASYGRLEFSE
EEMEALWSSGGANLAPELKEYSTGAIFSA
>comp8440_c0_seq3; 279 300 1012 LEN=1201; translated
MGDSITEVRRMCGVDALSVTHESIVGPIERLRDENCDSRAHVDFLTEKPTPTLGLFLFN
AVLREGTIVEVWAQIGQKVEEEDIVALIETDKVTVDIKATKAGVIVQQFGAIDDEVEVGA
DLYEIDTEAEATVEAAPQSTEATPAAPAASTPEPAPVASAPAPVPASSAVAQRIPSIKFL
GKEGWARALTVEPALVIPASYGRLEFSEEEEMEALWSSGGANLAPELKEYSTGAIFSA
>comp8440_c0_seq4; 161 99 595 LEN=784; translated
MTTIFVRGDRIVLYSKSAXKSLNIDVPYKLI FLERLLASLSDDDEVEVGADLYEIDTEAEA
TVEAAPQSTEATPAAPAASTPEPAPVASAPAPVPASSAVAQRIPSIKFLGKEGWARALT
EPALVIPASYGRLEFSEEEEMEALWSSGGANLAPELKEYSTGAIFSA
>comp8441_c0_seq1; 162 326 502 LEN=631; translated
MPQNDLSLDVASRICNSYLLSLTDQLV SF AFHESSTVIEASKEAKKLDMLVTTLYLD
>comp8441_c0_seq2; 503 137 1177 LEN=1306; translated
MAKTRRNGSSRSSECVDTVDTGRLSSRTSSSRSAFKRRLPLASSVTTSLVLLSCIVAFS
SVTPVRSFSFHPLRSSNARLVGTQRDRQKQAFAPETLAHRNAFVFNAAETDSRDHADE
NAGGSGEETRTSGVVAASSPSRIKIPRGGSDDG YDGLGEYDPSENLGVESVNVGDPQLR
VKVKDKSVTDILKELAAIQQQGPQKYC I LGTRHCSYLHQQII ELLAYALVLSGNHVYTS
APGTNAATVRGALRAEREDLLTVVLPQSLSKQTSSESQELLKKVDDLITMPQNDLSLDVA
SRICNSYLLSLTDQLV SF AFHESSTVIEASKEAKKLDMLVTTLYLD
>comp8444_c0_seq1; 275 1 925 LEN=1430; translated
XNSNPDGYDQIFAGCYDPKHARAVYEKELSEEELACVTLVALDVTDQDSVREAAHKVRE
WIYEHRQKKAAPGETVVGLSALVQFHGVAFNGPSEYMPIEMYTRQLDVNFVGTIRVVQAL
LPLLKESGGNGYRSRIVLTGTGGGPCSPCPLLTAYMSSKFALEAYAQALRQELYMIG
SSIDVGVINPGFVKPTMLIAEGTKISEGMWRSCATRLGNSRARDEYGAMLNHFTEYSALQ
PGTHVSKI VEATEHALLSPVPRSSYKVGIDSKLAPIVGMPTGVREWIARHGIYGLSPA
GTVPGYRV
>comp8445_c0_seq1; 315 104 1075 LEN=1208; translated
MITNAKLKGHGA AVLCLDLSSTSSSLPLSGSPLLLSGSEDGTARLWDLRDHRRRACL
IKVPGGDVLSAVFAPPPVAEALTSMTPTNETTAFGRDCTVYLGVENAVLEYDLRHAES
PVLLSEPTKNWGEVLQNQDEVNQISLAYYNKHKSNKISGGGGSKKKKNQKKKGGSGGNKK
NPQQYPSSGCLDTKDSLFLAACDDAGKIRWAESSLSNYNNNTVPVAACAKDSYESSSS
STILHHDNHGVAVVPACAFRPIHKTGSGVGSAIL ELASGGTDCKIQLWDVLRPKYVGSFV
AFCVPNTCGIKLLYLRTL VGRKG
>comp8445_c0_seq2; 641 104 1793 LEN=1812; translated
MITNAKLKGHGA AVLCLDLSSTSSSLPLSGSPLLLSGSEDGTARLWDLRDHRRRACL
IKVPGGDVLSAVFAPPPVAEALTSMTPTNETTAFGRDCTVYLGVENAVLEYDLRHAES
PVLLSEPTKNWGEVLQNQDEVNQISLAYYNKHKSNKISGGGGSKKKKNQKKKGGSGGNKK
NPQQYPSSGCLDTKDSLFLAACDDAGKIRWAESSLSNYNNNTVPVAACAKDSYESSSS
STILHHDNHGVAVVPACAFRPIHKTGSGVGSAIL ELASGGTDCKIQLWDVLRPKKPISTF
FINKNANE EERSKPQVCNPPFIYSLAWSNDGTS LAAGLDGTIGIFEINNRKLVQSQLLV

GNECTDGMTMYAHGSSVASVVYPSFSVPTNDRIMCSAGSDGSIVFWDGKTNGELWDEDT
ETSSCNNKDGSEDAVEHLLPPLLEELRREGSGTYHGSATTASHKPRILFDISHDQKIN
WITRAAPSNVATECNDTIFVADTSPEITSYTIIPFDNNAFNDNTENTLEMLNNFVYFHIN
LISYIFWHTVHKGQQLSIDLNE

>comp8448_c0_seq2; 893 217 1740 LEN=2028; translated
MMLKLLSSRSVAQRARGAVARRGIHSRRKMKNPVDLPKALVAHFVVKQTAPGKAENPAS
EEPLYSSPVTSAHAIDLEKEAVSTLDSAAIDPSGKVVHGRY GELDADAVLGVPLEYLALL
RHAAEGAAGLSKLGKAGTVLVYGASQANGFAAVQLAQTGSANAVVGVVDGQHSNEDMV
EYVKGMIPPEGTAVTQEYAI AKKNFIDLVDGISGGDEQLASYTAAECLDFKANLSAYAE
TYPDTMPAAVNSSQIKFLGMEKDKDQFRANMDAYLSQFNPGSPPVDEGQLQTNFSTDQYE
VFRNKFWEQTNNVSGDESHFFSPPHIVQDLMKEPESKPAPLSTGAFEKSIPFSSTLQKQ
EYPTGTEADAGGPVVGAIISVTPDLKIAADAVAKAGSLREKAEALEFLTDAQKDAFAAAT
SVASQAQKAGAPVVAIGGTLPGIETAEPDADVATALSAMAIQDDGSTNLDFYIQAYRAG
DFPFYADYAVHRATEPLAGPRQIVVTK

>comp8449_c0_seq1; 329 377 763 LEN=840; translated
MSEEGKEGKPPSSSKSKKRASIADDFDSSLKDKEGSSTAIPTKIAKEKKKKKKATKEVSGA
AESNPSTLSSSSAAPKIDRNASKKKKKKAAKKQSKTNVLESDIENFDDHSEKQRDIDSST
KKKKKKKK

>comp8450_c0_seq1; 411 810 1652 LEN=2214; translated
MTDSGEALLCLITGPSGSKTSLALEVQKRLITDERITETELATSVVVIHQDNYFTKPFLL
PYKDRTDDSYENSSGIDWNRLVADIESHVMLCSQSLRKNADTNGFGTENKTSMKKIIIV
EGHLLGDAAEILRERFLDDEKILGSPAIGNAYLDARVRVDILAVLLVGCSPATCKQRRLLQ
RRMDRSDDERIQLAEYIDAYVWPSFLTYGVDATKKMKRELGVGDLSGSDSQSLQHSASSS
SSFFLEINNSGTSRLSANVGIISKKIEEIIILSDREGGIVR

>comp8451_c0_seq1; 76 1 302 LEN=592; translated
XDFQDSNSTEPDDDSMSYRFIILDSYGDGLCCGQEGSYRGLDAQGNEIFSGGTYFSSKE
HLFRVFLPFGATRPFVEVLNLES DPLVRTETNDEDTVIDL

>comp8451_c0_seq2; 646 157 2446 LEN=2446; translated
MNEIRVLKQRALLAASILALSVLQHVLCSPLIHLDPGTNTNSNTQRSLRRGSTAAAGAIG
APQEPRRLRFQEPPEEQQEDGVKGRGTFVPHNANHSVGSNTDDGDFSRNNSRNSRRHLLQD
TSCNLI LKDI EYAPTA EHPNGYSREEWMCELPSDDSSRIGGIQFIDIADATRLVEESNAA
AYEQGRTTAHAITPMPPIVSGESTLTFSSAIIDTGGEDGNPKLHVPQDSMVVKVTISKDQ
DEYEQYQYQSEWDTKKINDNGKREQRKKQRRRRKRARREQRNRNGNGRRLSTSPSAFG
TLNTLVVRVDRRGIGPDASIEQLYDDVFGDTACLKSQYEACSYGKMSIVPARGGMVMTG
RGIVIQNGVTELRVNYDVSMPHSNKDALQQAVLDATLVQFGTNLNVSPHYDLVLF C MPPG
TGDWIA YAFVNHKFSFYNNQWCSSVTSQLHEVGHNLGLDHSGEYEGGGGYVSYADQTGAM
GFSYDADDMRICFNPAKSYQLGWYADQVKTINPLAPNWDATRQFLNGVSDYQRNPETAL
IVLRDLQMWKDEDYIIGYNRKHGINDGTFEDPNKVTIVRKEFGKPHEYGLSTKVAALGVG
ESYVIENFNDEEGKNVEIKYIGHHQVDVTIEIVDL SRTVAVEENAIEVLEELNPVEDTV
IPECAIVTIEITFDRFPEDITWSIEEANEEDSVSSERMVYASNPVYDKEHDKENTVATHV
CLPYWNANGNNTWDEFGNNTWDFVDANSTFGFLDTNSTWDYADX

>comp8452_c1_seq1; 428 1 814 LEN=1179; translated
XDDDDDELPGDSPLMKWNLHRSVSTYAEAYGFDDEPWGVVETS VYSNILTFVNHGCNGTA
NIGYNVPGINEFTLDPLADGPAFRVPEAFRESMVYPYVPHRDRSYTSGATTSAVEHPPIL
AGQELFDNYMGFGGETYFATQVMELKRDCSGGLGTVELQQLRAKAKADTTTRAKARAEQP
AAGGYHTIPEGHGLHHHPRPGVAGGDGNGNGNEETDGEEREPTGRVYDDDDDDYAEDKDK
DDDDDDYVEDDDDYDVGDGKATGGGSPDEL

>comp8453_c0_seq1; 227 151 612 LEN=1205; translated
MAASQFKSLFFFAVFLCSARSNAYTNSHDYRRSFGVKK SAPKHAGSSTSPDVNKNSSDNL
RKAGLSQAAVNTDAGLAVPSRRQRSSQMGAHAGILSPEIVTRMDDNAVNGRSNPAVDNF
LLTYKRKGPMSCLEMLSDPDVLPHLTQAMRDI I

>comp8454_c0_seq1; 308 712 1638 LEN=2285; translated
MGTCE TKAKDRLQKAGTNKEMIEDAMDGLVKCSELTISLSKASEELAFESKIRTNMAS
MMENYTCVDTELNSTEPPVRESRWRGARDRKRGRDVQVLLDRPASKIMFVKDFISQAEC DAM
AEAAAAPKLHKASVADGKGGSKFSEHRKAMQAGIKVDWEKEHEGNHIAVLSRRVYDF'TNYI
LNLGIAEHGQEDLMSIQYFGRGLNDTEPDRYTPHCDGDCSGLPHKTGTRMATMVMYCTIP
EVGGHTNFRNSGVHLKPVKGGAVFFSYIDPETKLMKGFTEHSGCPVLVGEKKIVTQWIR
LGVDDENPW

>comp8454_c0_seq2; 457 150 1556 LEN=2015; translated
MSRVHFGNTAFWQYHLQLIALVLISLTTAAANEERGIKIVNSSGSRVELYWIHPPTREGS

LMSEPDIMNGADFLNSFVSHEFELREKPSSTGVCKSEDKTCSSAFFAVSENADQVVTV
HEGLEIEFLDDQVRAQLKARGIMGTCTKAKDRLQKAGTNKEMIEDAMDGLVKCSESELT
ISLSKASEELAFESKIRTNMAMMENYTCVDTELNSTEPVRESRWRGARDRKGRDVQVLL
DRPASKIMFVKDFISQAECDAMAEAAAPKLHKASVADGKGGSKFSEHRKAMQAGIKVDWE
KEHEGNHIAVLSRRVYDFTNYILNLGIAEHGQEDLMSIQYFGRGLNDTEPDRYTPHCDG
CSGLPHKTGTRMATMVMYCTIPEVGGHTNFRNSGVHLKPKVGGAVFFSYIDPETKLMDKG
FTEHSGCPVLVGEKKIVTQWIRLGVDDENPWDSFNLTGKIKVSEDDLSD
>comp8454_c0_seq3; 269 712 1365 LEN=2278; translated
MGTCTKAKDRLQKAGTNKEMIEDAMDGLVKCSESELTISLSKASEELAFESKIRTNMAS
MMENYTCVDTELNSTEPVRESRWRGARDRKGRDVQVLLDRPASKIMFVKDFISQAECDA
MAEAAAPKLHKASVADGKGGSKFSEHRKAMQAGIKVDWEKEHEGNHIAVLSRRVYDFTNYI
LNLGIAEHGQEDLMSIQYFGRGLNDTEPDRYTPHCDG
>comp8454_c0_seq4; 269 712 1365 LEN=2412; translated
MGTCTKAKDRLQKAGTNKEMIEDAMDGLVKCSESELTISLSKASEELAFESKIRTNMAS
MMENYTCVDTELNSTEPVRESRWRGARDRKGRDVQVLLDRPASKIMFVKDFISQAECDA
MAEAAAPKLHKASVADGKGGSKFSEHRKAMQAGIKVDWEKEHEGNHIAVLSRRVYDFTNYI
LNLGIAEHGQEDLMSIQYFGRGLNDTEPDRYTPHCDG
>comp8454_c0_seq5; 346 712 1692 LEN=2151; translated
MGTCTKAKDRLQKAGTNKEMIEDAMDGLVKCSESELTISLSKASEELAFESKIRTNMAS
MMENYTCVDTELNSTEPVRESRWRGARDRKGRDVQVLLDRPASKIMFVKDFISQAECDA
MAEAAAPKLHKASVADGKGGSKFSEHRKAMQAGIKVDWEKEHEGNHIAVLSRRVYDFTNYI
LNLGIAEHGQEDLMSIQYFGRGLNDTEPDRYTPHCDGDCSGLPHKTGTRMATMVMYCTI
PEVGGHTNFRNSGVHLKPKVGGAVFFSYIDPETKLMDKGFTEHSGCPVLVGEKKIVTQWIR
LGVDDENPWDSFNLTGKIKVSEDDLSD
>comp8454_c0_seq6; 419 150 1502 LEN=2149; translated
MSRVHFGNTAFWQYHLQLIALVLISLTTAAANEERGIKIVNSSGSRVELYWIHPTTREGS
LMSEPDIMNGADFLNSFVSHEFELREKPSSTGVCKSEDKTCSSAFFAVSENADQVVTV
HEGLEIEFLDDQVRAQLKARGIMGTCTKAKDRLQKAGTNKEMIEDAMDGLVKCSESELT
ISLSKASEELAFESKIRTNMAMMENYTCVDTELNSTEPVRESRWRGARDRKGRDVQVLL
DRPASKIMFVKDFISQAECDAMAEAAAPKLHKASVADGKGGSKFSEHRKAMQAGIKVDWE
KEHEGNHIAVLSRRVYDFTNYILNLGIAEHGQEDLMSIQYFGRGLNDTEPDRYTPHCDG
CSGLPHKTGTRMATMVMYCTIPEVGGHTNFRNSGVHLKPKVGGAVFFSYIDPETKLMDKG
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>comp8454_c0_seq8; 380 150 1229 LEN=2276; translated
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>comp8455_c0_seq1; 952 163 3903 LEN=4076; translated
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>comp8455_c0_seq2; 318 1 1030 LEN=1203; translated
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>comp8455_c0_seq3; 685 163 2979 LEN=3122; translated
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>comp8457_c0_seq1; 354 401 2236 LEN=2343; translated
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>comp8457_c0_seq2; 1417 340 6680 LEN=6787; translated
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>comp8457_c0_seq3; 391 144 2147 LEN=2254; translated
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>comp8457_c0_seq4; 1499 340 6591 LEN=6698; translated
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>comp8459_c0_seq1; 145 319 546 LEN=851; translated
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>comp8460_c0_seq1; 327 437 1288 LEN=1288; translated
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>comp8460_c0_seq2; 424 437 1708 LEN=1976; translated
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PDIPSFILSLSLCEALVEPSS'EDRELLGRSVLIDFG'GRLRAWKPFSLAYRDLSPTRDSS
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>comp8461_c0_seq1; 509 261 2033 LEN=2882; translated
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>comp8462_c0_seq1; 348 92 748 LEN=1057; translated
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>comp8464_c0_seq1; 438 189 1220 LEN=2201; translated
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>comp8464_c0_seq2; 596 189 2030 LEN=2103; translated
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>comp8465_c0_seq1; 574 40 1515 LEN=1644; translated
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>comp8465_c0_seq2; 664 331 2196 LEN=2325; translated
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>comp8465_c0_seq3; 157 331 744 LEN=941; translated
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>comp8466_c0_seq1; 292 249 1669 LEN=2000; translated
MFPSFITSVFFGENASQRGTRSSEPI TEKTTVRGTIHKEGIESYAFSGMQGWRVTMEDAH
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DQSSVPGIECLRPALTETFGRLDAEIRKQONLRNEQRFGLGQQQQQQKEAAPLSSGHSRV
RYERSGSTCCVVLVTPSHILCANAGDSRAILRRAGRVLP LSFHDKPNAPELERIHNAGG
FVRCRVDGLAVSRGLGDFTYKGNEMLPVDQKVI PNPEFVCYPRSKNDEFMVLACDGI
WDVANNEQCGSFVQSLLEDEGEPDLGLICEEAIDTCLDKNSRDNMTIGLVSFSGCKLQ
RGG LGLNNAIWQRRTARQARSLOQTAKKAATRAASNVLIVETAAASPSSPAHLAALFL
NRA GGLPGAPGGGSRTHQRVSRSGIEPNRIESDGT EWNGTMNQFMASLLHKETIT

>comp8467_c0_seq1; 280 161 868 LEN=936; translated
MGDSAYSFSLTTFSTRTGKLLQIEYALNAVANGRTSLGICAKDGVVIATDKKLTSELV
DIS DVHKVELLTPSCGVCYAGVGPDFRVLVHQARKSSQVYLRQYGEVQPVSQLVKRSAG
VMQE YTQRGGVRPFGISLLIGGIDGDGTPRLYQVDP SGT YFSWKATAIGKNHVNAK
NFLEKRYT EDMLEDAIHTALLTLREGFEGEMNSENI EVGVVRNGKFSVLTPEQIQDYL
DEAN

>comp8468_c0_seq1; 536 293 2209 LEN=2740; translated
MGLFLWLSDLHLDPLYGTTAAASHQSGENCRLAGNETLLHYPLGRVGCDSPPSLDSSLR
SAAGNAKIYHTGINGSEENRYDRGDKSSIEFIVVTGDFSRHSMEKVRGRDPIAFAESVLS
SCIGSIASAFPGVPIVPVLGNNDLVPDYLDTTTTIATTDTDYNSTSGEVDDENYLPNS
NPMLVMVQNGFQESFLSDEEIQTFARGGYFSRVIETASDPPSSILILSLNTIIYSVKHEP
HEPTLVPESDGEETGDDDDPLGQFDWIESQLEAAAANHSNISAVYVMVGHIAPIGSYRHS
DLWQQRYIDRYFSILKAYTSRSATTNADSHPPPILGNLYGHVHTEEFRLTYQDEDDDD
ENSSNSTPALVPLHVAASLTPIYGANPSYRIVEFDNGSGTLLDYTTYLLDLDRFPVES
PSEGDDSPSAKNVSWTKLPGFAETYGVPDL SADS LERILERLEGE LQASIRAEKAVELG
REFAAHTKSSRLWDIFLKRQMVYSSTPDDGD DENNGEIDTMIDWLCTLRVSKESYTL
C VEGKQSAVAAVTTTAPSGVLLFLFAGMAIAISVVLVVLVLFAGKQFRTRPKRRHYRRPSQ
GELPTDGVVVVPTITGAAAGDPPEVNAGTIGAIERELT

>comp8469_c0_seq1; 235 197 784 LEN=1025; translated
MSLQCLALLGTRNEPLYICASDAVDNSDTEPAFQHEDDPFGFFEDAKTCEQDSTTSGVVK
RPASVRHEMMIHA AIDRIEDMLGSHRKVSWKRFQRGSHWIGQICPMEEYDIYGYVTSSDV
KIIALLERDGIIPLKKRKEVDIKIMFTEIHNCYVKHTLNPFSKIKGKIEPPCSEFEASVH

DAMNQYNSTINGVAI

>comp8470_c0_seq1; 352 113 1607 LEN=1827; translated
MSNHYGGGSHRGGGSKQNNSEDPDDAEQKAAERNLIRRCVDFHAPAVMDISNRLYHKA
CRSAHVNRHYSNHLQPHSAYLRMLGMPISVSACNPSRAFDIFGPRDTREEFYANNVPYW
TPGRRLLTGNQEGEFTLWDGITFGFELIMSAHDVSRSMASHNRNYLLTSDSGGNIKY
WSPSIAPVQSIDSNGQAIHALSFSPSDTKFVSCGDDSKVRVWDWATHSEERVLEGHGWD
VKTTQWHPRSSVIASGSKDNLVKLWDPRAGTCLSTLYGHKNTVTKVAWNNNGNWLVTASR
DQLIKLYDIRAMKELVSLKGGHKEVTSLAWHPFHESVSLASGAMDGTLFFWNLGAKGSEEP
AARVPYAHDMAIWDLQWHPAGHMLASGSNDRQTKFWARNRLGSTAGLQDTIDDKKEELQT
AEIELGNHVGIVIGRRGATIISMQRATGTKMYVDQVRRVLLIQGTEKQIDTVQKRVGALL
DRVTKDEGRDQHHGMMM

>comp8471_c0_seq1; 114 252 572 LEN=1175; translated
MIRSRNVSGVSPVGGSFSGGTSSQEANRLSNNELQSAYYNNMACNSRLGKVEEAVVNLEKA
FQSGFDKYDTVRGPDLDPKQSRDYQKMMDTYDPPGFNPFGLFKK

>comp8471_c0_seq2; 231 221 841 LEN=1444; translated
MTSLIRKGAFLIFSTVVVLSLSRSDAFSILSASRAAAAATHRSAESSTTSIAMTNEIDIPD
PATFREAEVLALLLQEGRHDDAIIAFQKGMKLPGRNPD MIRSRNVSGVSPVGGSFSGGT
SSQEANRLSNNELQSAYYNNMACNSRLGKVEEAVVNLEKAFQSGFDKYDTVRGPDLDPK
QSRDYQKMMDTYDPPGFNPFGLFKK

>comp8472_c0_seq1; 714 243 1559 LEN=1657; translated
MNNDGKLNAGNATGTGSAATGKKAVHVWKWAGKTIALGTFPSQEADEKCARAKALTRA
WRSTMRPKPSREWVMQELERLGVVVSGRLGRKAGEEEEEAPLSKKSSAVPSSSALQNRKD
SLGMGFADLDNLQQRRTSSSLGSLMLNDDMNRSSIGSIGPSLGLDAGNNGGEPHRPYV
GGGPGAAFEAARADHYAQKREEQQRASGLGLGGMGGGPNMPQMGLSVNPNQHYEMLKL
HHMNLLEIQUETTLMMNLYQQQQQLQQQQQLQQHQTNDNAGNSGGNDHMPLMVQQQSGGN
GGGMDGMYNSGGMNQGGSMGNNMGMGSHQMMQNPGGSNPNQSSADRSGNGPSGAGMS
SADKGVQDQLLKSQEEQKALEDQLRKLKDDIAKSKKEAKQLKKLASEKSDDDGDTKGVKR
KVKDEGKNSGAKKSKNDE

>comp8472_c0_seq2; 632 629 1753 LEN=1851; translated
MRPKPSREWVMQELERLGVVVSGRLGRKAGEEEEEAPLSKKSSAVPSSSALQNRKDSLGM
GFADLDNLQQRRTSSSLGSLMLNDDMNRSSIGSIGPSLGLDAGNNGGEPHRPYVGGGP
GAAFEAARADHYAQKREEQQRASGLGLGGMGGGPNMPQMGLSVNPNQHYEMLKLHMMN
LLNEIQUETTLMMNLYQQQQQLQQQQQLQQHQTNDNAGNSGGNDHMPLMVQQQSGGN
DGMYSNGGMNQGGSMMGNNMGMGSHQMMQNPGGSNPNQSSADRSGNGPSGAGMSADK
GVQDQLLKSQEEQKALEDQLRKLKDDIAKSKKEAKQLKKLASEKSDDDGDTKGVKRKVKD
EGKNSGAKKSKNDE

>comp8475_c0_seq1; 461 40 1737 LEN=1852; translated
MSNWMTSGSARLAKQNSSFSRRARQRAAVIAPEAVILQERVPASRLPRKCLRQNEAKKR
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KRIRDAGARYRRLYSGPVRNIGQNLQSKDVCNSNQRTPPRGHQTSAIQYVGNQYSHHNI
NTMQGIQNDNSAQDTSNNLLMPHFPAHTADGIYSNNPVQEASDQLVTRKFSGNGIMSPKH
ISQSSSIENCRVDNFFTHRQLQMDWEHRPEMDESLTSHPCQALFSQERKPKCIGFKRFQ
PAIDDKDIFLHSEGRDGTGFLRHDEIIGYNGLDDFNVSNNIISDSQRSVEGKGIPLYQRP
ESKLDLFLEATEANMVCVWDEYDNAISEERKLTSKLKLDTVASQNHLLARRMSDTTNELIS
LRGPSLRSHGDVGIRRFKRRRKKISYEESYESSSQRQIQPREMPLGRGTRTFSDSHDHQL
KSSPRALRFFNDENEVDIIGTPLSALKATERELMFDTNEIEHRKKLSVRMETKGHRSVQA
TNTDGNKLIKHRCSHHHLRPIQIT

>comp8475_c0_seq2; 426 132 1688 LEN=1803; translated
MMHLIALFTAkkrySSGNPIARRGVVVISGSANIGDQRLTLDQLESDCPSDVMVSKNYLE
CCAQINRQIPQRKRIRDAGARYRRLYSGPVRNIGQNLQSKDVCNSNQRTPPRGHQTSAI
IQYVGNQYSHHNIINTMQGIQNDNSAQDTSNNLLMPHFPAHTADGIYSNNPVQEASDQLV
TRKFSGNGIMSPKHISQSSSIENCRVDNFFTHRQLQMDWEHRPEMDESLTSHPCQALFSQ
ERKPKCIGFKRFQNPaidDKDIFLHSEGRDGTGFLRHDEIIGYNGLDDFNVSNNIISDSQ
RSVEGKGIPLYQRPESKLDLFLEATEANMVCVWDEYDNAISEERKLTSKLKLDTVASQNH
LLARRMSDTTNELISLRGPSLRSHGDVGIRRFKRRRKKISYEESYESSSQRQIQPREMPLGR
GTRTFSDSHDHQLKSSPRALRFFNDENEVDIIGTPLSALKATERELMFDTNEIEHRKKLS
VRMETKGHRSVQATNTDGNKLIKHRCSHHHLRPIQIT

>comp8477_c0_seq1; 456 284 1822 LEN=2247; translated
MFKIQPFHNNCNGSEKPMSSSQELQVFPDPETVDNLLTRDMDKLSFKARNDIYEEIHGV
SSLAPEETPALIERSLLAMSSEIDRIKHDIYVAYIEATRGTYNQYVHDMELRLRFLRCELF

NVLKAAVRMMKYLDLTHELFGKSALTRPIELRDLGKLEMEMLRVGDAQPMPFRDRSGRRM
MVALNNFGLQYPLEVRLRVTLYLHWALGVDEESQKKGLIGIICWPSSKEALSPDKFSVLY
KPRELPRHIQSSRMFECLPLRIASIHVCLPDKPIYHMMRSGIALSMRAFSSRLKFHCGD
SIEVQYHLHGYGIPVDQIPITDTGNIKTKNIMQWIRVRKFLESSKNNEAITSSEWSENV
DAMYLAIIDCPNLNDVIFRGKHAACLSHPGNVMFRGLIEAKYDEHNNATTIDEKVQLTWDIV
REVESKNGRFLVWDNNGCWREITNRNRTRTKVAGALKDHKRRLKARQNVAMNYSSTYEFER
QDNENKKRKVDVKHQTSDCCLNLPFVNSDKR

>comp8477_c0_seq2; 254 284 922 LEN=1030; translated
MFKIQPFHNNCNGSEKPMSSSGQELQVPFDPETVDNLLTRDMDKLSFKARNDIYEEIHGV
SSLAPEETPALIERSLLAMSSEIDRIKHDIYVAYIEATRGTYNQYVHDMELRLRFLRCELF
NVLKAAVRMMKYLDLTHELFGKSALTRPIELRDLGKLEMEMLRVGDAQPMPFRDRSGRRM
MVALNNFGLQYPLEVRCILARSAKFLNIDST

>comp8477_c0_seq3; 455 284 2001 LEN=2426; translated
MFKIQPFHNNCNGSEKPMSSSGQELQVPFDPETVDNLLTRDMDKLSFKARNDIYEEIHGV
SSLAPEETPALIERSLLAMSSEIDRIKHDIYVAYIEATRGTYNQYVHDMELRLRFLRCELF
NVLKAAVRMMKYLDLTHELFGKSALTRPIELRDLGKLEMEMLRVGDAQPMPFRDRSGRRM
MVALNNFGLQYPLEVRLRVTLYLHWALGVDEESQKKGLIGIICWPSSKEALSPDKFSVLY
KPRELPRHIQSSRMFECLPLRIASIHVCLPDKPIYHMMRSGIALSMRAFSSRLKFHCGK
IQFVNENPVXDFVLSPKAKPIDDYRNIKTARSQFYFLLLPNLAIENYKXHVQIATIGD
SIEVQYHLHGYGIPVDQIPITDTGNIKTKNIMQWIRVRKFLESSKNNEAITSSEWSENV
DAMYLAIIDCPNLNDVIFRGKHAACLSHPGNVMFRGLIEAKYDEHNNATTIDEKVQLTWDIV
REVESKNGRFLVWDNNGCWREITNRNRTRTKVAGALKDHKRRLKARQNVAMNYSSTYEFER
QDNENKKRKVDVKHQTSDCCLNLPFVNSDKR

>comp8478_c0_seq1; 652 321 2393 LEN=2632; translated
MSPRNFFTRKADRRQSKNLQEPYDRITVTTQSTEQYYGGHNSTSDVDKPSKTDGTGTSFAS
STASTSSGSDSIASSEASAKGLDPDDLRLHIKGPGRYRNRREPEPKLVQAQIHKSCN
NDNDDNRNKEKNPVRLSIEVVLDEHRKMKARDQSEAGNRGASRRQSSHGKGMTKDEET
ALARYTHSPKQDTPSPGFAMGRLKMLNCFMNEEKQONDADCFGSAFPGQPDYDFISN
DADTYGEGNSLAASVVAEASPSSSKRSTRRRWRRLKKNPRKNNADEIVTGGTKADEDE
SKASPTQNKENFKLSVTDIQEELERRDTLADLPEKHFLCEQRQQQPVSQSLPSSQTSE
KEKSSTSPKDVLLTKNESPSSSLKPKELKSLPPSSSSSVISLTMDTDLRRHDDAQLQ
QQKNKGITQAQLEREHKFRSESTTSTEPVSIITGSNKEGFQQRISSETTSVVQCGTTSWRS
SQSKTKKSSARRKSKGMNRNLGQHSTDSAAWMIHHILGGSETNAMARRPTRKSFPVNPDD
YSTATPTSNGTGDYSTAYDKSVLTGNSGTNSVSSNTTSLVNVAEMVARRRQLRKEAEGV
QIVPRCHFCCGGHWIYNCPHMNAVDERYWCNNLLGDESDTEIDDSTIGTRTTSAGFEIGD
DDGEVTTQMLMVNPNFRCNTDSALNCFKSE

>comp8482_c0_seq1; 356 1 971 LEN=994; translated
XGDGDGDDGGVGVKQGAAKSLPKRIFAFLTRGGTGFDAFLAASQEVGQVILTLPWVFSLV
GMKSGILLQVVFATTALYTNLLVNLHTEFRKRLAEDRSDPRSGDPHYVVSYHDIMGGLV
GPFGRFAFGVVFLSLFGLSTVQIIATGSNMYLLDGSLLPKRTWSLIAGGVFSLAFVFN
RHYRLLVVLANTATTYTSWYMTITSLKEGPVEDVVYDAPRDASDWFRGMVGLLFCFGGHA
SNI EVADVMDDHSTYDRAYFYSFLYVFTLTPMNAVSAIYYSYGS IARLNQNAFGLYEQSTA
RDFGIIMMNINNLVAFGLFGLGPL

>comp8482_c0_seq2; 211 1 775 LEN=1032; translated
XEKERTNDRITERTGDNRQSTIDRNAEAHDGLVVWFS DGPPRANGVPKSHTPNPNEPFSH
TPQLLLSFVVPVGTSGQAYYSYGS IARLNQNAFGLYEQSTARDFGIIMMNINNLVAFGLF
LGPLFHIWERFLHIHQKPFWIRALARLPLCGVIVLFAIAFPFYGAINTVLGAFTTSFATY
ILPMVAFNSVFRSDDLVMGMAKPLPGFARSNFALLRKANYVAIGLLTVCGVGLGGWSSVT
NFVAQIHKFEYFAECYGC

>comp8482_c0_seq5; 486 1 1373 LEN=1630; translated
XGDGDGDDGGVGVKQGAAKSLPKRIFAFLTRGGTGFDAFLAASQEVGQVILTLPWVFSLV
GMKSGILLQVVFATTALYTNLLVNLHTEFRKRLAEDRSDPRSGDPHYVVSYHDIMGGLV
GPFGRFAFGVVFLSLFGLSTVQIIATGSNMYLLDGSLLPKRTWSLIAGGVFSLAFVFN
RHYRLLVVLANTATTYTSWYMTITSLKEGPVEDVVYDAPRDASDWFRGMVGLLFCFGGHA
SNI EVADVMDDHSTYDRAYFYSFLYVFTLTPMNAVSAIYYSYGS IARLNQNAFGLYEQSTA
RDFGIIMMNINNLVAFGLFGLPLFHIWERFLHIHQKPFWIRALARLPLCGVIVLFAIAFP
FYGAINTVLGAFTTSFATYILPMVAFNSVFRSDDLVMGMAKPLPGFARSNFALLRKANYV
AIGLLTVCGVGLGGWSSVTNFVAQIHKFEYFAECYGC

>comp8482_c0_seq6; 159 1 749 LEN=1006; translated
XTHPRNILKYVSRRTDRFRGMVGLLFCFGGHASNI EVADVMDDHSTYDRAYFYSFLYVFT

LTMPNAVSAYYSYSGSIARLNQNAFGLYEQSTARDFGIIMMNINNLVAFGLFLGPLFHIWE
RFLHIHQKPFWIRALARLPLCGVIVLFAIAFPFYGAINTVLGAFTTSFATYILPMVAFNS
VFRTSDDLVMGAKPLPGFARSNFALLRKANYVAIGLLTVCGVGLGGWSSVTNFVAQIHKF
EYFAECYGC

>comp8483_c0_seq1; 480 742 2373 LEN=2616; translated
MIFKESFFLLLLLAIPCESFVCQPKILRNPSNSIALKSFKENNDWTSDFDGFVGDGGDNIE
TDSDFNFSDFLTAGNGNSNLDITGVQTRLFSLGEDLIINDFVGNMGFEVTDWEYYYESED
DPTDRKVVSPPNPFDAKPKRTRTSSGSVVRVFRGELIGRLGASIRSRGLDQRILIKEYSG
KFALELAKRDQQTGVGKLQSKLMENKKDASDGGWIQSASSRVLGRTDDKHVGDLLQELRT
APYLGILGEVNLAELEDEMDPNEFYRALGVSAKPKGAVWIVFEYAGLNTISTYTAMAPEK
RRAKLPPKKSFFGGFVEPPPPLPSFKERANFIVKGILMKSLALADLHDAGIAHRSIGRNS
LIITSVTQDKAETSSIFYTRVSGLTIKLSDFGFSGLLEDSAKDEEFISRARSFGLSIRKG
DTSLVATDFAMAEDLHALGFVFLGLLLVSLSLPSGDTMPATDEDTIQKLLYEIFNQDF
EAFREYVEAEVWSELVNLDDKESAGWDVLRTLFQARERMAENINSLEVTTARSLLSNR
FFQ

>comp8483_c0_seq2; 310 851 1909 LEN=2004; translated
MIFKESFFLLLLLAIPCESFVCQPKILRNPSNSIALKSFKENNDWTSDFDGFVGDGGDNIE
TDSDFNFSDFLTAGNGNSNLDITGVQTRLFSLGEDLIINDFVGNMGFEVTDWEYYYESED
DPTDRKVVSPPNPFDAKPKRTRTSSGSVVRVFRGELIGRLGASIRSRGLDQRILIKEYSG
KFALELAKRDQQTGVGKLQSKLMENKKDASDGGWIQSASSRVLGRTDDKHVGDLLQELRT
APYLGILGEVNLAELEDEMDPNEFYRALGVSAKPKGAVWIVFEYAGLNTISTYTAMAPEK
RRAKLPPKKSFFGGFVEPPPPLPSFKERANFIVKGILMKSLALAEYVTCESV

>comp8483_c0_seq3; 310 742 1800 LEN=1895; translated
MIFKESFFLLLLLAIPCESFVCQPKILRNPSNSIALKSFKENNDWTSDFDGFVGDGGDNIE
TDSDFNFSDFLTAGNGNSNLDITGVQTRLFSLGEDLIINDFVGNMGFEVTDWEYYYESED
DPTDRKVVSPPNPFDAKPKRTRTSSGSVVRVFRGELIGRLGASIRSRGLDQRILIKEYSG
KFALELAKRDQQTGVGKLQSKLMENKKDASDGGWIQSASSRVLGRTDDKHVGDLLQELRT
APYLGILGEVNLAELEDEMDPNEFYRALGVSAKPKGAVWIVFEYAGLNTISTYTAMAPEK
RRAKLPPKKSFFGGFVEPPPPLPSFKERANFIVKGILMKSLALAEYVTCESV

>comp8483_c0_seq4; 480 851 2482 LEN=2725; translated
MIFKESFFLLLLLAIPCESFVCQPKILRNPSNSIALKSFKENNDWTSDFDGFVGDGGDNIE
TDSDFNFSDFLTAGNGNSNLDITGVQTRLFSLGEDLIINDFVGNMGFEVTDWEYYYESED
DPTDRKVVSPPNPFDAKPKRTRTSSGSVVRVFRGELIGRLGASIRSRGLDQRILIKEYSG
KFALELAKRDQQTGVGKLQSKLMENKKDASDGGWIQSASSRVLGRTDDKHVGDLLQELRT
APYLGILGEVNLAELEDEMDPNEFYRALGVSAKPKGAVWIVFEYAGLNTISTYTAMAPEK
RRAKLPPKKSFFGGFVEPPPPLPSFKERANFIVKGILMKSLALADLHDAGIAHRSIGRNS
LIITSVTQDKAETSSIFYTRVSGLTIKLSDFGFSGLLEDSAKDEEFISRARSFGLSIRKG
DTSLVATDFAMAEDLHALGFVFLGLLLVSLSLPSGDTMPATDEDTIQKLLYEIFNQDF
EAFREYVEAEVWSELVNLDDKESAGWDVLRTLFQARERMAENINSLEVTTARSLLSNR
FFQ

>comp8484_c0_seq1; 138 1 379 LEN=503; translated
XPKSQNSNQGDATRHRIPKHITMDHNPESGSLTGTERSIMIKAKTLKSLACEHRLRASE
LRTLKRETQNRVYLQRKEVLAEEVEKMEDEISSLHKELQKLLSESGSDELNPDGKYRMAK
KLVVSA

>comp8485_c0_seq1; 52 1 467 LEN=733; translated
XRHVQRLAKEAGRAAACRETATTEPSGSLPCALVGFNIPDGSSYRLLTTGAMDACDPE
WPPPRHGTEWAPGGAEPMSAYAVHGGEPPDFTNYARIKEQDPFVDTLDYIFLSEAWRVGS
VKELPHREGSGGPPFNLDRGEPSDHILIAADLELE

>comp8485_c2_seq1; 191 70 757 LEN=757; translated
MAVSPSSKTSVRVASYNVLSHLSGADHFSTLDPEHLLAANRLPVVLEKLDAAEMEKSAIL
CLQEVSHDWAGSLHAHLANKGYHFVTGLYGKRFNGYMGVGIAPVTKDYEVLGVDISRLAD
TREGGWPRPPRGSEPGRIRAFASGLLGWGKTSARTFFSLFDLCEAQPRPPVDPWSMAQNR
FNEMVTVTLGDRATGRSFVIGNYHMPCAFYAPVVMTLHADLAARHVQRLX

>comp8486_c0_seq1; 359 1 1709 LEN=1992; translated
XGVLSTMKYIISATTSKPPSTNVPPSGGGGSLTILDPNGAILSSLRSSADLSGRAGMGISS
LCSFPQEFKANNVSGGDNTQPVIGYGGNCVKRGDNYGMLISIRSSSSPPIMHWKCRLP
ETEMSGGLSISPSDIMLSVVVPRVLVWSSIGGELLRTIKAHYRSVTSIAWSDCGRYLVT
GGADGMVHLFSLMSLVDVASSAKISKQRNVPIHTFSVHHFPVTSLVQLAGGRIASSAE
DGQVLVLELFSKKVLVNIQFPHGIQCMEHYNGRLYAGSTQGTIFSVLDLDAYAMHETEKL
AIFANKRRRQEQLDTESTENWTLLEEKVFGKKKTDTIKNSKGDNNNQEQYRTDWIGHDHA

VTSIALLTESEPRKMISGDSFGQIRIWELESRTCLSVVHPWSSAFANASNADDDKKKSPH
PVTSLRIIAQPDVPPSSGIFHSPAGSSKNLSSFSTLVTPQLKYISDGIENSANSSNACPSI
AAGTIRVPFLKSNRTAQNMAYWEARPIBREAKIQQQSLKEGGKSEVKEEIASMREQIKKL
QEQLQAKDSEVKRWQTVNNKLMSKLTQTKS
>comp8488_c0_seq1; 519 315 1718 LEN=2257; translated
MSAEPLKPTPTRSSEAPPAARSGSSLRGLVKSQWTSRMRKKKSKLSNGEASVTTEDDDAK
TNNTFLIHEDGASSTNTLAALVEESTGMLDKPTASDVTTKTNNTSNILDLVLLMDPVSH
RFELLQLEFEDASKARVSDLLVQIPLSVTEDSLKKLVDGILDENYRASASVRGMTVLS
SSKLIKTFGPDADTKGNHMKMLVAKPTGVSNAECLRLAKPILTNKDVSKMLELSGFDVS
GWKTTFKPSRAAEKAERMSVSTDPKLETSTRIEKYGAVTPSKKKPQVAPVKNSNSSFVAL
GLVVTLVGLLQSVLVKPVSPGTLKPGTYKSKCGLFGYVSLFAPGWKETTAELLNSIE
ENLAPSFLLCEDEFVRVNYDGTATLYDSNRKATMILSGDLCESTNSDESCTDGLLDFEAAT
LSMGGNRIKQVLVRKEKDRALSPWPIEEEPSKLRKIGSKKVFPTSN
>comp8489_c0_seq1; 477 1 1169 LEN=1754; translated
XQDSNPQTTHGFPEDGNHKQTLRLLIQHVMTSQNQEETTSIASIRMVIQRYRKASLLID
EKEVTVVGDGVSADSSAEVLLGRDGSGRGHVGMVLYISFSKTATPVEVQKAARTILNL
PIQTEGAWGDGSSTKSILQAAGSVVDSNKEKPSAAPVSVMLVPQANLIAKVKKNGKSVQY
RDQIDKTRGEELYDMFVRTVEGFLEEHQRLTSSASSVGANNKSKAGNSKGNDAVDP
PPKELFRYRQKQQEEDGSLLYGSFDESTGLPLTLASGEPLTKSASKRVKKLYDAHAKRH
EKYLSKQQQEPREPQSSGDSSTPAPSAGLVAASPATAQDAPTSATAKAEDKRSGLDPSF
VRLIAGSFGKRQGLELVSDMGPFFCHVIEL
>comp8490_c0_seq1; 429 58 717 LEN=929; translated
MKFVLPVVAALASSSIEAFTAKISPRTTTQLKAVRSSSDALVAEALALS NKYGATSKEA
RLAWEAVEEINASDNSVASMGNLNDECDVEVVSQDCLEYNAALEELQELLQANQPKISAL
SEDISKTVSNVKSVPNASAAPQSKELQAALAEARRITAEEGTTS PNAAVAWETVEQIAA
RGNTNAIGAKLTEDECFLEAAQEACAALAEELSRIIESRN
>comp8491_c0_seq1; 207 1 834 LEN=1005; translated
TTTSTRPTTTEANHEEWRTETLRLAAAMGNCDLASLSTPDRDYFLDSTWSIIPEMNRGML
APGGPSLGAYRDEFLEAMEHRTAFLEGAVPHMFHSYGGVPEEASVEAMRARTSRNLGLEFG
YTQVRRQLLLVLTDFVEVLGEDPWALPGLPFLSIREDRDNRHSEDDDDNDNDYDDEV
RYLSRGRKTAFFWDPAASPLGALLYRTLREGVGDASVELAKNHRGEPGDLRACVQGA
EVLGAAEDLLGKPRAEIERALGHHGLVRNGGAAAAAS
>comp8493_c0_seq1; 578 177 1280 LEN=1973; translated
MSTEEMKPFDLDPQEGGKVCVGGGAGFIGSHIAKRLKDAGWYVICVDWKTNEFMKNDFC
NEFILGDLRKLKLEVACKACEGCTQVYNLAADMGGMGFIVSNESVLSFNNTAISMNMLEAAR
RNKVKDFFYSSSACVYNEAKQEDPANPGLVESDAWPARPQDMYGLEKLYAEEMALAYGRD
FDINIRLARFHNIYGPYGTWQGGREKAPAAFCRKAITSTDHFEWGDGKQTRSFTYIDDC
VEGVLRLMFSDCDVPINMGSTEMVDMIEFANIAMSFEKLPKIKHIDGPMGVRGRNSNNK
LIREKLGWEPTMKICDGLRKYFWIKGEIEKEGGDATAYSKSEIVQQVDDSLMQLGKEAS
TAIDESA
>comp8493_c0_seq2; 578 252 1355 LEN=2048; translated
MSTEEMKPFDLDPQEGGKVCVGGGAGFIGSHIAKRLKDAGWYVICVDWKTNEFMKNDFC
NEFILGDLRKLKLEVACKACEGCTQVYNLAADMGGMGFIVSNESVLSFNNTAISMNMLEAAR
RNKVKDFFYSSSACVYNEAKQEDPANPGLVESDAWPARPQDMYGLEKLYAEEMALAYGRD
FDINIRLARFHNIYGPYGTWQGGREKAPAAFCRKAITSTDHFEWGDGKQTRSFTYIDDC
VEGVLRLMFSDCDVPINMGSTEMVDMIEFANIAMSFEKLPKIKHIDGPMGVRGRNSNNK
LIREKLGWEPTMKICDGLRKYFWIKGEIEKEGGDATAYSKSEIVQQVDDSLMQLGKEAS
TAIDESA
>comp8494_c0_seq1; 183 150 518 LEN=898; translated
MSAEVAKAFVGHYYQTFDSNVEGLRGLFNDKSMMTFEGNQLMGASPILEKLSFGQTKH
NAKTMDIQPAIDGASIVIFVTGSIEIGGPGNPLHFSEFFYLVS SGPQYYVHNDIFRLNY
GL
>comp8495_c0_seq1; 521 1 1518 LEN=1631; translated
XAPLQQRVAFRSSPNDPHTATARYHNAAQGETETQAPRSACFRPAGPGPGGASKGGFR
FGGRLRSKASPPVQLPPPAGAEERNHHAEGRPGRPRGKDLRCRLPRDRRRVPAGGHG
GGGILRERGRGGLRRPGLLPEARDEPGQQQRQRQQQQQRQRQLEQQQMLQTLIVSMK
KLQHEQALVSQNIQAQLEAQRSTYGLQGLVQQRQALQQQIYLNEVQQQEIMQQQQDLDDL
LMQQQQQQQDLMQMDHPIGMEHTTILQQQNQQNQYGMVGGGEVQNPMDMGNMLMMQQQQ
QQASVYGIDQSVRGNGYGFHEIDPQQSHEMNTLSNNDYNDLVTIGQQQFGQNSTVVTGGL
TVPPPVRIVNPKYDDEDDISSFEGGFYKNSYRGSSKQRPSSSSRSNRNSNSRRSRSRAE

SSSTRKSRGSSRTRNTSSRNGSRSSQRNRSERSRSISRHNMSGRIDSISDNGMDPDGRRS
PRNINSAAAIVDARIPQVVSTQEM
>comp8496_c0_seq1; 316 802 2139 LEN=2233; translated
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ICRVGIPILLRTNDGDMFVVKDPDQFASQIIPQYFDHNFSSFARQLNIFYGFRKMQSKPI
RNSDFDANTAKHVTFYENENFKRGRHDLLKIKRSTRGGGNI SGQDVQREIQQLKEKVASL
EKTIQGLSSQTENRLKSLELDFLNRIDQTVLLMQQQHQSSQQGQQNQHAHYHNLRVPGNN
GIGGGAQMSADVHQTAQNHFNMNGMNVTTGGPLKHGIGESLDPLPYGSRGASVGTLSLASH
LMGNQVSI GMKNGVPGTPGAISGGPTLPPHPKQKQLPTQNF GGSPSMALGPMNGRMDIRN
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NNNNGMDNSEKGLIASAVGSSSTEM
>comp8496_c0_seq2; 338 103 1482 LEN=1576; translated
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LNIFYGFRKMQSKPIRNSDFDANTAKHVTFYENENFKRGRHDLLKIKRSTRGGGNI SGQDV
QREIQQLKEKVASLEKTIQGLSSQTENRLKSLELDFLNRIDQTVLLMQQQHQSSQQGQQN
QHAHYHNLRVPGNNGIGGGAQMSADVHQTAQNHFNMNGMNVTTGGPLKHGIGESLDPLPYG
SRGASVGTLSLASHLMGNQVSI GMKNGVPGTPGAISGGPTLPPHPKQKQLPTQNF GGSPS
MALGPMNGRMDIRNFSALSRLSTLSRGLSAESQGGNDYLLSMLSQGTSGNFNPTPMSGN
NGASNNRNGTDNNMNNNNGMDNSEKGLIASAVGSSSTEM
>comp8496_c0_seq3; 316 647 1984 LEN=2078; translated
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ICRVGIPILLRTNDGDMFVVKDPDQFASQIIPQYFDHNFSSFARQLNIFYGFRKMQSKPI
RNSDFDANTAKHVTFYENENFKRGRHDLLKIKRSTRGGGNI SGQDVQREIQQLKEKVASL
EKTIQGLSSQTENRLKSLELDFLNRIDQTVLLMQQQHQSSQQGQQNQHAHYHNLRVPGNN
GIGGGAQMSADVHQTAQNHFNMNGMNVTTGGPLKHGIGESLDPLPYGSRGASVGTLSLASH
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NNNNGMDNSEKGLIASAVGSSSTEM
>comp8496_c0_seq4; 289 477 1637 LEN=1731; translated
MI ESSPPEIAAWTNDGDMFVVKDPDQFASQIIPQYFDHNFSSFARQLNIFYGFRKMQSKP
IRNSDFDANTAKHVTFYENENFKRGRHDLLKIKRSTRGGGNI SGQDVQREIQQLKEKVAS
LEKTIQGLSSQTENRLKSLELDFLNRIDQTVLLMQQQHQSSQQGQQNQHAHYHNLRVPGN
NGIGGGAQMSADVHQTAQNHFNMNGMNVTTGGPLKHGIGESLDPLPYGSRGASVGTLSLASH
HLMGNQVSI GMKNGVPGTPGAISGGPTLPPHPKQKQLPTQNF GGSPSMALGPMNGRMDIRN
NFSALSRLSTLSRGLSAESQGGNDYLLSMLSQGTSGNFNPTPMSGNNGASNNRNGTDNNM
MNNNNGMDNSEKGLIASAVGSSSTEM
>comp8498_c0_seq1; 313 120 671 LEN=1385; translated
MASPSYTTNNLEWALRVCESVAFGIHGLLGLTEPWTGCLRTAFGDEHRAVPVWFPAAGA
MLWTVAACNFSPSGAVVLAQAQYIAAFHTGAYFYHSALGHHPAAGLVPTLFAVLATVVVG
IRTGSFGLALLGLVACTGIAYLLSKVLVTPPPSLRDDDGSGLRWNLMEDERAATTTNRSY
QAS
>comp8499_c0_seq2; 108 635 1267 LEN=1422; translated
MTYARAAIFYLSDWGHDMTKDFGCDEVTSTVIPPVVSTVVQITNQPVVRATVTLQNP
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YDRDMLWRSVAVKSTMAGVAGAALTNPLDVIRNEQFKTDLGLWRTTRSLWKELGWRFPATRG
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>comp8499_c0_seq3; 69 325 1182 LEN=1337; translated
MGNAAAKEYPTQYFLASGLAATGCYPLWRSAAIGQSGFHVGTVKAGGITIPRTLAPYVQ
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NQPVVRATVTLQNP SYKHPNVWASVKHIYKTSGMSGLWHGTTAGVLKTVPKYCMIAVAVK
DYAERTLPKPDSSSPTYDRDMLWRSVAVKSTMAGVAGAALTNPLDVIRNEQFKTDLGLWRT
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>comp8500_c0_seq1; 431 84 1031 LEN=1872; translated
MASQNLQIDPESELVFSLSNEATPRCMMTLRHGGGTNEHIAFKVKTTPRRYLVRPNQ
GLIAPGSSETISILLVEKDKQMLLQSYERLQSGLDHSDKDKFLVQSCVTDNSFAAKKSGSQ
TELYDALTSMWNSVTS SSSSTLQNKKLHVRHVVDSSASGASAANVPSGPPTLESTPHSN
LTDMSADQISSELNLRKYDELVSFVNLTAEIRDILSNTLEQTKRDYNREMAARSALEN
KQGGRSSSGSISGKGNNGSSISSLMQLIVVGLACFLSGARIGASGNAPHLVVGNNFFVE
DVVPTVDAGGVESEM

>comp8501_c0_seq1; 335 1 1477 LEN=1477; translated
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AVAFSETKAKRPRRRSPKAPSLQVRLQGCFTPASILKDVAVSLTPKNDSSGTLSSVTLV
RLSKQLVSLNKRNNSEYEDDTKSAGGVFTIYKRDQKLWHKGLTNAVKCLVSSDWEESENS
LEAAVEGIKAASVISRLLPKCEDSNADGINHTLWVNPLLKKIVQDDLHLATIIQPHQLSA
LKWSIDCFRLSTNYEDISIESLPVCLQKAYDDLDPFLIRPGFLTNISSSSRNDESDFTL
SSFVEQVDFKAETIQTTSKRAVVERRQTAWQGDVHVPFVYSGKSMERVPWSPVVASVRD
RLCQETSHYYDGCLLNLYPDGSGMRYHIDPDQGVYWGFEVTVVVSIGATRRRFGRSLAGN
NNADGPPSKNNISEKGTSPKPHFTVFLMDGDVTEMVRDCQERFQHTVKTAEFKGETAPPC
ELGVQENLSKLEK

>comp8502_c0_seq1; 295 252 983 LEN=1040; translated
MLKDFEDAPDGSILLHACAHNPTGCDPTDEQWSKLLDVIKAKGHLIFFDSAYQGFASGD
AEADAKALRRVVDAGFPVLLAQSFANKFGLYGERCGTLSVAKDAAQKDILMSQLKCIIR
PMYSSPPKHGSSIVRTVLSDEKLTEQYYDECASMAERINSMRSLVETLAEVGSTHDWSH
VAEQIGMFAYTGMNSDMCDELTDKYAIYLTRDGRISIAGLNDGNLEYVAKAIHAVTDGKK
ITQ

>comp8502_c0_seq2; 426 1 1379 LEN=1436; translated
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EVPEGPPDAILGIAQAFRAAPEEHKVNVCVAYRDTKGLPWVLPVSRKAEEMMLQDDKEN
KEYLPIDGDQAYVEKALKFAYGANAPLERIAGVQTLSTGTGACRIGGQFLADFYPNKNIYV
PDPTWGNHKKIFAACGLNVNTYRYYYDRSTNRLNLEGLKDFEDAPDGSILLHACAHNPT
GCDPTDEQWSKLLDVIKAKGHLIFFDSAYQGFASGDAEADAKALRRVVDAGFPVLLAQSF
AKNFGLYGERCGTLSVAKDAAQKDILMSQLKCIIRPMYSSPPKHGSSIVRTVLSDEKLT
EQYYDECASMAERINSMRSLVETLAEVGSTHDWSHVAEQIGMFAYTGMNSDMCDELTDK
YAIYLTRDGRISIAGLNDGNLEYVAKAIHAVTDGKKITQ

>comp8504_c0_seq1; 529 202 1131 LEN=1263; translated
MRFVVRVIFCYIVATISLPSAIHGLVIPAVQNARNPSTTFGSKKDEIQIDDFKDINIDVVL
LEAENALKAAKTSLVDSGETVNDSDGLVNLKEAIIVNDDVNKKKIENDDVNLNFKAIR
ESLLSDKIEEKGSVLATEILSSTIGGIMLGLILGSVGTLLKLSGLDPSLGLVLPFGLAVPI
IVGVTVGGVAGFTGSSKDDATGIVVRNVLGLPVKSLASAIVNSIQQTARRQLEKTTNDIK
AIPSNVANSKQKASQKAKEAKIAVEIAVEAAIEQAKKVILVVVGLLSLVFLGMLITNWD
IPVIFDTTL

>comp8505_c0_seq1; 180 204 677 LEN=1021; translated
MPSGKGSKLLRYVEHRLRVTLHDGRCIIGTFLAFDKHLNLVLSEAEFRTLKRKSGAALLE
ERTERRSLGLVLRGENVVSLAVEGPPPPSAKSAAGIAVTGRGRGMPGMSGGGPPPRGAP
MGLGGAPMHGVGAPGMVPPPPGGIPPMGMGRGRGRR

>comp8506_c0_seq1; 505 48 983 LEN=1142; translated
MFLMKGISSLLLLFVSGCRQYQCSQDQCFRGRKSQLSSYGSTVMYSGASGEDTVATIEVCVS
PGCVADGADEALLKLQALSATSSSEAPPARVVSGVCCSLCNGPVARENAGGKSKNHRKL
NTNQKLLDLLSLGDEADLEPRQRAVLEGIDLCLGKALSKKKYPEALEKYALGIERGRD
AAMELQVEIGKEANPNHGDDGAASLQWLQALCNEATAKLETRDFNGAIASAEQAVEASS
SSSVEALEVLQRAYQETTGTKDSKELVVLESFLALYQAEQPRAKRKKVTPMEANRRRTL
GFRLAKLKAAA

>comp8507_c0_seq1; 173 223 843 LEN=843; translated
MPSKNMMSDDDLFRISKQHASAAAIQVASGEAFSSQTNPDQLQIAQQYMSLKGKALKKGDH
PAAIQEMKKALQIRRKVLGKDHDPETGRFFCRWLTTHVNFSSWIQLPLSPFYLMVHKLLES
HSQHFFQNFSASTYYQLGICYTQAKEYDHALTELKRALTLGRLCWGKTHEDTGCTYYQLG
IVLNAMGDFDLGLRELKASEIFITIL

>comp8507_c0_seq4; 157 223 708 LEN=708; translated
MPSKNMMSDDDLFRISKQHASAAAIQVASGEAFSSQTNPDQLQIAQQYMSLKGKALKKGDH
PAAIQEMKKALQIRRKVLGKDHDPETASTYYQLGICYTQAKEYDHALTELKRALTLGRLCW
GKTHEDTGCTYYQLGIVLNAMGDFDLGLRELKASEIFITIL

>comp8508_c0_seq1; 1375 329 4159 LEN=4594; translated
MMNGNPPSCVVEETSGMQLNDPRKSITSLEKQYAAPLGQRLVMGIQIDAKVLEGGLEAVS
KRARQERQMQUIQGDSSGNNSNMALAVGASMRSSASSPGVDANGTASVDYNSSTEDSTNGG
SSDAFSLNDQEVVQQQPPSQGRNRKFGMGFLKVAARTDPTLERGMQGLAVRMDQGKT
GDLVRVAVYDPSTAELLGVTESLPVPTPGATATQQSDPDAAAGQPKDLRFEVPLWIPGSR
RHQTLKLVVIQSGATLVLQKANKNYLLGSAMVNCQALSEGVTAVALSMTIPPAPTPTPG
PPRLILCILPDPKFSPIILTRGWSLTDPMMSGYSSTLNLYPLDQSYVFPKQSNHWLVAH
ERATESTLPLPIAAAVTQLAANACDKSLAHAQSVARILRNNRHDHKDLLHKATCHLGVLG

VVPGSTTGNSVTSANISVAWRRPDSMFEFIEIAANESIPVVPNGPTPGRMVAIKKVFHPK
LCSPQNGDHILPGILQAYGCKMPSSGFLGQVYFVAVQTNSSDGFGGASSDNDPFA
PTSSLNGVDSNSKNSVELWETVLGLEAFVKKTTTSTDPGSMNHRIDTIQVPLRKAEDVG
HLLQLQEVTLPEGNGNDGSNYMATLPATDGLVSLVGMDFLSDGVKPYLDELPPSAQAPP
PSIRHQQLNMGYFFTTQYMDQHLSLRQSACEAFKERARRYKLALSQPEKNAPPHTLKTP
KNFRPSSSRTTTTLLSGIPFNCHIASLNINVMDATRPRLPANSGATAAPEYPGASFHNVT
GAPADHARGFGNLTNVSNNKNSVGGGLRRLLEAQRRDCAIQQLAQATALIQGVGQYLTEARK
KGPCHHVPARHVEIQQLRWKVFESVHVLHHVTWMCARRANVFSQALGLAASSFLASLGD
MHCASGWPAVWAKHGFLVCFEGLLSAAGKELGMIEDASVAIAMLRMANIVLVPDNGQQL
PAEAVQIPSSPYLKWTKVTSTGGDGSARRFVLHIGIDAAYYAERVPPPLQNNIGVRLYPI
LFEVGVDIRQWGANTGSNLMKRESSSGGLNSNGSQSSIGGIVDDGDEDDVGI VDDDLV
ALNYEAMRKMNCYAHALSPOQISPEQVVAAMDKTFADSMNSNNSNLTYSNPKDILPI
HPSLAALHSHILSSAGRMNHSILDEAATIAQQLGGGLVFCCKSGKDRAMHLYKQCQFA
SRYRGNDSQSAILRDARLLRLHGTRLPICEKNVQALYAFNSLQVKFMPEALKPPMDCLA
GFLKGGEIFKGGGIES

>comp8509_c0_seq1; 51 455 1033 LEN=1113; translated
MKLSTTPLALLALTAGTCRGETASNDPAVSCCIQRGGTSGTVVGLTGESGICTYKGRNYE
ASFFLDTFCGRANFPVVNVQYTQCIQPNQEGFQITCLNCCESNYHNFQARCGSDRSCLSA
NGSAFNTCEDGCVNQCVGYCFENDTDCVNQCQDTVGVQSDLRQNCFTCTEQAEALCYQQCV
DQRNNSANSIGA

>comp8509_c0_seq2; 356 60 1254 LEN=2460; translated
MPPHRKLNKQDQRWPQNLRYQSRQQPNPKHGMQLLHDRRSACLLFQSACVAFWPPPYPSP
AVVPPGVATPNPSPRGSGLSTATATATTRELASFLACSTPREFRGAVRQSGGRFLYRG
DEAGDDEDDSDSNRDGPKSKSGGIRDARHPGESNTGASVRAGFRSGPPVRARIRAPDPL
LLPETYGNDLEALVYFERLEERLSSSFPPAFRPLPAARAGVAVVALPSSGHIATSDPL
EAGKWGRVSVWPLVAVADPQQQQQQEQQQQQRGYASSKTGANTTANDSSPDPNRNFSYAW
PRDRPTFYSAIDGGIAGSDGVSSSSGTNYHHRKQRRRRDENDRIVVDEQLVDALLAKDG
REVL FATNAVPSAFLTVPMELDNELRDELERIDYGL

>comp8510_c0_seq1; 456 243 2252 LEN=2252; translated
MAKHSASDGGSDSSAEKRSPSPHKKLKMTIRLPSSISAEKNGYSNFLMSNTASDAASNCI
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SIPLNHGSSSEDSIQREVAAMQALSDPGHSHVCRLYHPPLRDINSYTYLAMEYI GGGGTLR
APVQPGALSEHDAAKFLLQFADGLRYIHSKRYVHSDLKPENLMMGSWQKEEACLKIVDFG
FSVPDHESIKLPFHGTIAYLPPECLQKGYNGLGGPRHPTAAGDMFAAGVIVYTVLTGTHP
FDRTNQAPDSVIARAI VGLTSFRAQKIAPVDKSDGPNQQHVEHLERHVFDDRTEGLSS
SVSLMKRLLHPDSKQRM TASEFCNHPWILGQTAATHCLSHPHHSRLKEFWRRRFRAAILE
KFWGQAVTNHHHQGVVDGADPGCQSR SARPSFQRHSLSLK DSELVFRSMDLNGDGTVSLD
ELKRCMMGNTSSSIFGGGDHSSSR IKQYMIDDIFSSIDEDGSGGIDLGEFQORVMGNRLDG
DHRVRKNGFNDRENSCNTSSSNDNDEQILENSNEQVRGCI FQKF SKKAASREK INEGTAP
TRDMLRTIFDSMDINKDGV LQLSEAITVLKETPGLDDDMIYIWADKADIDLNGEIDFEF
CTAMMSNNTSX

>comp8510_c0_seq2; 487 243 2354 LEN=2354; translated
MAKHSASDGGSDSSAEKRSPSPHKKLKMTIRLPSSISAEKNGYSNFLMSNTASDAASNCI
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SIPLNHGSSSEDSIQREVAAMQALSDPGHSHVCRLYHPPLRDINSYTYLAMEYI GGGGTLR
APVQPGALSEHDAAKFLLQFADGLRYIHSKRYVHSDLKPENLMMGSWQKEEACLKIVDFG
FSVPDHESIKLPFHGTIAYLPPECLQKGYNGLGGPRHPTAAGDMFAAGVIVYTVLTGTHP
FDRTNQAPDSVIARAI VGLTSFRAQKIAPVDKSDGPNQQHVEHLERHVFDDRTEGLSS
SVSLMKRLLHPDSKQRM TASEFCNHPWILGQTAATHCLSHPHHSRLKEFWRRRFRAAILE
KFWGQAVTNHHHQGVVDGADPGCQSR SARPSFQRHSLSLK DSELVFRSMDLNGDGTVSLD
ELKRCMMGNTSSSIFGGGDHSSSR IKQYMIDDIFSSIDEDGSGGIDLGEFQORVMGNRLDG
DHRVRKNGFNDRENSCNTSSSNDNDEQILENSNEQVRGCI FQKF SKKAASREK INEGTAP
TRDMLRTIFDSMDINKDGV LQLSEAITVLKETPGLDDDMIYI WVSTAVAFYVGDCLPSFL
VLLLTASPPITMTIDVQADKADIDLNGEIDFEFCTAMMSNNTSX

>comp8511_c0_seq1; 333 1 890 LEN=1007; translated
XRVPSSVEIETSIRETTMKAFFSFLALWFGFLVGVSEVIDVSSFFVSPGNLAPVQPARH
GGVLGGKTHASGRSTTTEAGPLFSSTSTRPLYDGTNYTFPDTRSPAGVAELLEVSFVHAC
MQLASGYVDVLKMFIA T SIGAYEAGFSIDCILEELEGQNLPNTANRPLMEEEEKTLRWD
LCVVYLALAAAMDHTPTMPSPLAADVSKKSI PRDIEERYGAYTTAIGDAYKNGSLGSLSVE
GLVKDAGSTKDLSPIDKAVLMQSLKVASLTPTVVEEAREASGNNSKPPTPIEGAF

>comp8511_c0_seq2; 288 1 876 LEN=993; translated
XRVPSSEVEIETSIRETTMKAFSFSLALWFGFLVGSEVIDVSSFFVSPGNLAPVQPARH
GGVLGKTHASGRSTTTEAGPLFSSTSTRPLYDGTNYTFPDTRSPAGVAELLEVSFVHAC
MQLASGYVDVLKMFIAATSIGAYEAGFSIDCILEEKPANTANRPLMEEEEKTLRRDWLVCVY
LALAAMDHTPTMPSPLAADVSKKSI PRDIEERYGAYTTAIGDAYKNGSLGSLSVEGLVKD
AGSTKDLSPIDKAVLMQSLKVASLTPPTVVEEAREASGNNNSKPPTPIEGAF
>comp8512_c0_seq1; 209 1169 1629 LEN=1629; minus strand; translated
MLEENEKAWSTSTTSSQKAQTPDNDAEHVAACSVDGTSICHSFDIYHGLDTASEREPFAI
QKVDGTDLIFFPRPSSEVPYPNRALIGRKNIGFDAKVRTTGLKNCPLQKQKTDVNSKNVIV
PPLDVVTKWIAMGVSKENINSTVHVRHQPHCHQX
>comp8513_c0_seq1; 295 145 1578 LEN=1736; translated
MVEISSPSSFKTLTKTPRSRSDAPEKKPLWLLVIYALFFLVCLNAIWTYKDRKRLVWLELQ
EREQNDNIEIQYSAGAEQHVVSNNYSSMYGGSIRAAESHKKKKKKKSARKTTLENILPR
PRDGSKDYIIRKPGNNSDFKAFS FYVMTDTPVRTRIFAVFFILVRVMLLLLLEADATFSE
ILVHKIGREETSSQMSELRDYIHDNPKNRNLTLGIHLGNTQKVSNSLCAESAYKNHAYLIS
KGPSPTFVTPGKSDWDFDCPRREEAFDFVVKYMGPDFISEWHREQFENFEIQRSEENPELFT
TFYIEGILFIGLHMIDSPGNQESSATRNRKVKASMEWFANTIETNMERREIRGVIIMGHA
GRSESNQQSFTHMAKYFVIGITRENIPVMYLHGNGAKWEVDRSFSQEASWSQFYDVQVDQ
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>comp8513_c0_seq2; 373 145 1488 LEN=1646; translated
MVEISSPSSFKTLTKTPRSRSDAPEKKPLWLLVIYALFFLVCLNAIWTYKDRKRLVWLELQ
EREQNDNIEIQYSAGAEQHVVSNNYSSMYGGSIRAAESHKKKKKKKSARKTTLENILPR
PRDGSKDYIIRKPGNNSDFKAFS FYVMTDTPYTKLEEKRLRSQMSELRDYIHDNPKNRNL
TLGIHLGNTQKVSNSLCAESAYKNHAYLISKGPSPTFVTPGKSDWDFDCPRREEAFDFVVK
YMGPDFISEWHREQFENFEIQRSEENPELFTFYIEGILFIGLHMIDSPGNQESSATRNRK
VKASMEWFANTIETNMERREIRGVIIMGHAGRSESNQQSFTHMAKYFVIGITRENIPVMY
LHGNGAKWEVDRSFSQEASWSQFYDVQVDQGGGLTEPCIIDVAPQRLGKVTKLEKNENND
METIIANGLFRLDQKGRYLDPEEVAK
>comp8514_c0_seq1; 680 383 2528 LEN=2629; translated
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TKGENEETLNRAASLQSDVVF SMDNPLAFIRDLSYNGSPNSKDEEVVVFIPGLHTAHP
SISREYSNGALPTRNGKPRSSPDRLKYISQVLDGIPMAQIHKGTHIDQGNLDIKLTSV
SSLLSFGLLSDTFQQNLSLLSMNGNLLLPEETLYRLRATDLDI IYTVLSRARSAGSASLS
RTLGDKYLGS DSKGLKDTLIRLIDVAVRSVRETKAPSASDAPSSSPSSPGLVLMYTSATS
SVLMAALSEWKNRVTSSIGESMHSSDDESTKASRRDGI GVGLEDSRSGDDNFHTQIFSE
EEAEALLLHKALTVVTISGLSKGFVDGPAYIHSV MNDDPLTSALGITKLNSEEGKDAVIL
QALSPYLIDEDKGDASGETSHRHKSAIYKNDAHNIDSCIIQYLSLVRRINGVTSFREM
YNLGFADADSKKLDISQSLFAIDYRSVGQLVIPPHIDCELI PAMIRATGGERWLNWPA
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>comp8514_c0_seq2; 680 175 2320 LEN=2421; translated
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NAPTILPRKTPVSPVQSLDHDGPLPPSVAPYRMFVREYSRDMGHDGRFTVFTDHNSELPE
TKGENEETLNRAASLQSDVVF SMDNPLAFIRDLSYNGSPNSKDEEVVVFIPGLHTAHP
SISREYSNGALPTRNGKPRSSPDRLKYISQVLDGIPMAQIHKGTHIDQGNLDIKLTSV
SSLLSFGLLSDTFQQNLSLLSMNGNLLLPEETLYRLRATDLDI IYTVLSRARSAGSASLS
RTLGDKYLGS DSKGLKDTLIRLIDVAVRSVRETKAPSASDAPSSSPSSPGLVLMYTSATS
SVLMAALSEWKNRVTSSIGESMHSSDDESTKASRRDGI GVGLEDSRSGDDNFHTQIFSE
EEAEALLLHKALTVVTISGLSKGFVDGPAYIHSV MNDDPLTSALGITKLNSEEGKDAVIL
QALSPYLIDEDKGDASGETSHRHKSAIYKNDAHNIDSCIIQYLSLVRRINGVTSFREM
YNLGFADADSKKLDISQSLFAIDYRSVGQLVIPPHIDCELI PAMIRATGGERWLNWPA
LQLEGGVEGFDSPLPSLEYAQAEIENQLGYNTYDEIVEDVAIDFRMEGKRKASDRLV
>comp8515_c0_seq1; 495 115 1167 LEN=1370; translated
MPTSGDDEGSAEATTRAGNGGRDRGSRGDDRSASGETDPGEDRGHKRRSRRRDRS
EKRRRRKHKRGRKRRRRRRRDDDDDEYSSDSSVSFSDSRSCSSSRSSYSDDSGDERK
RRRKRHRSEKRDKREKKKKRKKDSGSKKKRDRGDDDRSRKKKKKSDRDRDGGSGDER
DHTGPPVFGKYGLIKLSDLPQKQRSFEVWLEEVKGVGGFNGPKWELHNYFKEYAEDYNTA
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LGLVLRSTMNAEKIREMKRKKQLQAEMEHAFKTGDRANYLRLKKRLEPEEK
>comp8515_c0_seq2; 495 115 1167 LEN=1338; translated
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DHTGPPVFGKYGLIKLSDLPQKQRSFEVWLEEVKGVGGFNGPKWELHNYFKEYAEDYNATA
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LGLVLRSTMNAEKIREMKRKKQLQAEMEHAFKTGDRANYLRLKKRLEPEEK
>comp8516_c0_seq1; 568 280 2256 LEN=2723; translated
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RQLNAGENVPTHVYDKSISDGDVEYQYRPTKMPEETQPSPPSSCWYWIVCLVFIGLLGSSA
GVGYWLTTRDGDVKVSSLESPIYTNPPTPAPSVAVSTRFDPIQGDCNFDVNDSPNPIDQC
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QRAEKFALA AVFASLGGTQWKKSRNWSYKSVCTWFGVKCDQGQPDYVTQLVLDNLLIG
VLPSELSLLARLQFLMVAQNKISGP IPVPLFTIKDLGTVDVSNFNAITGVIPPTVGDVAVSL
NSLNVENNSMSGRLTRNIGRAGNLGYLNLRNRSNGFASELPLELFLNRLRRELDIADNKFTG
VIPAEVSNLNALTKLTLGPNLFSGTIPSSIGFLGSLKYLISISGVADLSGLIPAEFGFYLS
SLEEITISGTDISGNIDTSFGRLPSLKSIDFSGNQLRSTIPSELGSLGTLAYLDLGGNFL
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>comp8516_c0_seq2; 545 280 2073 LEN=2828; translated
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RQLNAGENVPTHVYDKSISDGDVEYQYRPTKMPEETQPSPPSSCWYWIVCLVFIGLLGSSA
GVGYWLTTRDGDVKVSSLESPIYTNPPTPAPSVAVSTRFDPIQGDCNFDVNDSPNPIDQC
NCLGEISIIESDIRERYFYFNLEAFIPAYFREYDDDISSCSPRNQALVWISSGDDTELSTD
QRAEKFALA AVFASLGGTQWKKSRNWSYKSVCTWFGVKCDQGQPDYVTQLVLDNLLIG
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NSLNVENNSMSGRLTRNIGRAGNLGYLNLRNRSNGFASELPLELFLNRLRRELDIADNKFTG
VIPAEVSNLNALTKLTLGPNLFSGTIPSSIGFLGSLKYLISISGVADLSGLIPAEFGFYLS
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>comp8516_c0_seq3; 601 280 2373 LEN=2557; translated
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GVGYWLTTRDGDVKVSSLESPIYTNPPTPAPSVAVSTRFDPIQGDCNFDVNDSPNPIDQC
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QRAEKFALA AVFASLGGTQWKKSRNWSYKSVCTWFGVKCDQGQPDYVTQLVLDNLLIG
VLPSELSLLARLQFLMVAQNKISGP IPVPLFTIKDLGTVDVSNFNAITGVIPPTVGDVAVSL
NSLNVENNSMSGRLTRNIGRAGNLGYLNLRNRSNGFASELPLELFLNRLRRELDIADNKFTG
VIPAEVSNLNALTKLTLGPNLFSGTIPSSIGFLGSLKYLISISGVADLSGLIPAEFGFYLS
SLEEITISGTDISGNIDTSFGRLPSLKSIDFSGNQLRSTIPSELGSLGTLGKHEQMK
>comp8516_c0_seq4; 545 280 2073 LEN=2662; translated
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RQLNAGENVPTHVYDKSISDGDVEYQYRPTKMPEETQPSPPSSCWYWIVCLVFIGLLGSSA
GVGYWLTTRDGDVKVSSLESPIYTNPPTPAPSVAVSTRFDPIQGDCNFDVNDSPNPIDQC
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QRAEKFALA AVFASLGGTQWKKSRNWSYKSVCTWFGVKCDQGQPDYVTQLVLDNLLIG
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VIPAEVSNLNALTKLTLGPNLFSGTIPSSIGFLGSLKYLISISGVADLSGLIPAEFGFYLS
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>comp8517_c0_seq1; 589 324 2054 LEN=2427; translated
MSINNDTVENAEQKHKDTPAEYAGDDSTDEIDDEQLEEKEMVEDLGTRAEKVKINTLSM
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NWLPSVYQVLSQENRAKLEKIWNLWNSRKIFAQDKLEEIGSFFTSSGAVGNSDLEKAGLS
IGKDGRLSLVPALRDAMQKILDEMQQDEDEMEKVSLERLAAINVNLLIQIKDMAETSLRN

LASRYWEEVVLALIGGQFPGIPDGEICGLVISIRYSEDILGIWNKTAADRMVDRDLRDAV
KKVLQLPPAAYASMEYKPHQNAIADRSSFRNASSHWKGRDSHRDSSSNPRPSRSGSWAD
RDHKPSSRRDSDRAWR

>comp8529_c0_seq1; 450 1203 2996 LEN=3185; translated
MDSSGNIYLDCAAQQRLLEDSEGSADPTMDILQCVSDSYQTIQDDRQENLRSFLLVVCG
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SDRTTFVGTQNFVSVGSSPAFWFFFEFTFSATSVTIVAGTLAERCQMAAYLAYSVVLAGFI
YPVVAHSVWSEEGFLSRTNENPFMDQGVDFAGAGVVHLNGLIALYATLVLGPRRGRFY
DAQGDPLEKPLPFPGHVSVALQLLGTMLWFGWFGFNPGSALLLQENERFGNVAANAAVAT
ALSGASGGICALFTNLWWEERMTGEPKFVIQMAMNGALSGLVAVTSGCAVMRYPYAAIITG
AIAGWIYMLSSSLIRYRIDDAVNAIPVHMFNGCWGLIATGLFAHPELLEITYNNRPADH
PGFFYSFANGGADGNLLLCQFCVLFILGWTFITMFPFFIWLNYRGWLRADSLEELVGLD
VSYHGRSTHDENSGIKKEYIEAYNRYKGTIRQQRSHHHGHNNNSNPDRDQLVFDTPSMED
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>comp8529_c0_seq2; 367 567 1865 LEN=2054; translated
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NERFGNVAANAAVATALSASGGICALFTNLWWEERMTGEPKFVIQMAMNGALSGLVAVT
SGCAVMRYPYAAIITGAIAGWIYMLSSSLIRYRIDDAVNAIPVHMFNGCWGLIATGLFAH
PELLEITYNNRPADHPGFFYSFANGGADGNLLLCQFCVLFILGWTFITMFPFFIWLNYR
GWLRADSLEELVGLDVSYHGRSTHDENSGIKKEYIEAYNRYKGTIRQQRSHHHGHNNNSNP
DRDQLVFDTPSMEDTEHRMMSPEEVSHYNETISRCHTREKEDKRTEEETSTKSTTLK
SKEDLNDMDHCK

>comp8530_c0_seq1; 400 1 973 LEN=1335; translated
XLQSNIHPADESQMIPTNTGTVGGSDSEQRPRKICLFGTSANPPTGKGGHVGLVESIVK
LQKYDEVRLVPVYQHTFSSKRNLIDYSHRVAMCELAFLGTEAETQQQRQQQDQDKKVT
GKHNPRTNIVSRAEEDSFRMCLDTMTDEEKASLRVGTADLLEMLIKQEKEKNDHNTT
EFSFCLGADTFMDLTDWKWKRSDVLLKLLGGRLVVVNRKQQRKAAPIIDGNRRQLQKPEE
KTTEESLKERVNRLNSTQLANGEILVLDLPLNDDVSSSKVRNCRDKDVAKKLIIPNKVLDY
IVSHNLYGFGDEDDGEQKDDAMKG

>comp8532_c0_seq1; 1398 106 3891 LEN=3948; translated
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ASTPMGVYATDTIEAGEDIIKVPWSVILEPDDQREPPSQMVCCTVRTVAREMRLGTNSKY
APYVEYLKSEADAQIPSAWSEAGKAFLEILDNDTIPPVDPHTWIEDEWFKRCRGPND
VGVKAALMVIQRADDAIMIPAYDNLNHRNGNWTNTNTEIDEFHHTTATKTIPPQAQIYIS
YNMCEECGGRSKGYGTAEILRDYGFVEYYPQRWHYMEEDFQFDVDEAEDGKLIVTWDKEE
RPDVGDKLMEQTRVWFRWEIRRLKRIKNIWAI GFEGKDHGIPDYEKETIFKFLDANII
AMTAALES LGPSPPPGTVTTTKADSHGGVEEEEEEEEEEDDPETCKADEDFGGCMAPIDIA
P LLENSTHYDNLWEFDDLDYQYPTCANNKHLRFADFDDLEFIKTNYQDLNFMRKESTDD
TCMDLDNIVQICSNYRPOYHEFSAHAAGR FVKDVKRVIFIGGGDSMLLYEALKYPDLELV
VGL EIDQTVVRKSFKYFHSTSPYFEDDRVEWVFGDATKSLLLLPEDYWG SFDLVLDLSET
VMSF SVTAE LDVFDALSLLLNPHGVMVKN EHYHEKFSALFDYSAELNYESPVICNQVMV
GSNNVDFFRAPVYDHGVKTELYESMSTPETRYELLHG YRKNIAPEEKCNLVIPEEKTQ
TAAGIVEVMNAENCSVELNESITDTMKMVAEKEGFTLISEPVFDNGVGI VVLKEGFISAR
IVPDEKYVGFVNLWGMSKIKSLRRALSEAVGSTDVSAKVVVGGMYGSSSWKEDQKIQ
GPKMKQLRNCEEDVVKEGKLDAKAASAI AIEETIPLTL SKAKGITAVAVCGKEGEECVAY
DVLKEEKSVKSLTPIYECSNNGDFECETK VLEILAREVLAKRNGGIHLLVMDGSASYGMH
QIISSILGEDETRRSLLEMHNIVATWMTDSANESFRREFLD RYRKQVHIDPASRAEIVFQ
AGGKSYEYGVSSHNERAPYDYEKMESRIKERLSTSGVKVELRN IHGALFRYNHEWDPKT
FKHEDYDSKPGREHFKNQKPLGRQNIYQFVKADGVEEDLDLSMAKI QTYLSETLKVVDLE
PSLSKQYEDVGDGGVILALSPNGYVTLVWDGREHISVNLFTNDEG VGVPEK FVGRFLNSS
GQKLKVG LRDDQPRGINHVINFPSDMVSRNSHTGAKKKTAGREPRKM RRLPDGTFEPWDP
Q

>comp8533_c0_seq1; 82 1 274 LEN=473; minus strand; translated
XFENLGVGFVDVGVHWGYWMFVPLIAEKNSTGF AKLRSPWEYLEKVPPELTERFSSSL
FVLKLLSPTDVSVCTWRGGNGFIASPKDIIGW

>comp8533_c0_seq2; 260 1 933 LEN=1255; translated
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FVNSRTIVITQQGWQDLYHLVATAVAKNTSESILLFWLSGFLLIIMALILLFGLVKGIGP
RLGVMVGVLLFTSFCGITHALIRRVRVHNAVRCVEECFYDAEAAANASARNVLADARDI

ERPMQQPEPSQNPPESSANERDITNMSGILDGLQLEEDVANVDGVDISTGGFGQALRQ
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DAVVKISWED

>comp8534_c0_seq1; 271 1 946 LEN=946; translated
XLDPNKRELAKQVQTEPSQANHTRTAPHRTAPYSDPRMADAVLSSIIISFLFSPSKRGQTEG
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IGASDGDCCPRETLAWQCLEAACNAIERLSTDRLAAAANLSDPYESTKTSAAANNAQAHH
NHGGGGIYSNDLFYTTSSGCNVVGVGLQGIRNGILLKEETGRRGQLQRRKDCWESPRLF
CPDFVWADDVYLACRKWVRSLDKHPLVKISYVLKHQEDPAAADPDHIFRKETHGNKSRD
AGSKSRAANNRNNSS

>comp8535_c0_seq1; 653 97 1374 LEN=1570; translated
MADNNEDELVDYDEEEVAVGDKAATGEEAKETKKGHYVGIHASGFKDFMLKPELLRAIV
DAGFEHPSEVQHETIPQAVLGGDIICQAKSGMGKTAVFTLATLQQANVEESKVSVLVICH
TRELAFQIAHEYERFSKYLPKVKTAVFYGGVAVKQNKELKNDCPHIVVGTGPRILGLAR
DKDLKLDGKHFVLEDECDRVLESMDMRRDIQEIFRLTPHEKQVMLFSATLSKEVRPVCKK
FCQDPMEIYIDDETKLTLHGLQLYYCKLAEAEKNRKLNDLLDALEFNQVVI FVSKVARAK
ELNRLLTECNFPSICIHGGMKQEERISQYKSFKDFNARILVATDLFGRGIDIERVNVVYN
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TYMSA

>comp8535_c0_seq2; 506 1108 2238 LEN=2434; translated
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GTPGRILGLARDKDLKLDGKHFVLEDECDRVLESMDMRRDIQEIFRLTPHEKQVMLFSAT
LSKEVRPVCKKFCQDPMEIYIDDETKLTLHGLQLYYCKLAEAEKNRKLNDLLDALEFNQV
VIFVSKVARAKELNRLLTECNFPSICIHGGMKQEERISQYKSFKDFNARILVATDLFGRG
IDIERVNVVNYDFPDESQFLHRVGRAGRFGTKGIAISFISSETDQEILSKVQSRFEVNI
PELPDEIDVSTYMSA

>comp8535_c0_seq3; 349 242 784 LEN=980; translated
MEIYIDDETKLTLHGLQLYYCKLAEAEKNRKLNDLLDALEFNQVVI FVSKVARAKELNRL
LTECNFPSICIHGGMKQEERISQYKSFKDFNARILVATDLFGRGIDIERVNVVNYDFPD
ESDQFLHRVGRAGRFGTKGIAISFISSETDQEILSKVQSRFEVNIPELPDEIDVSTYMSA

>comp8536_c0_seq1; 446 1 1565 LEN=2066; translated
XRSKLLYNTVPSTTATSIVVVAIDTVIDRADGSSPLWKDQAGKQRSDHDLPTAHAAHAH
NNAITYRHGHPTEGQEQNKNAVPSLFPVAIVFFDVVFLSVTSSKLRGESHAYQNEPVH
HHLETRLVGGETWGTNFLRGTTGGTDDNKDNNINDNNDDDTPPPPQVSKRLHKMQEELF
EKALRAPKGDHAGANGKTNLEPRSVFAETPPDQKVDFQPPVLPVPSVSSAVSSSGSVVLL
VPSHQGSFVKRQAIRETWMAAAKEHGSGATILFVIAQSSCRDFEADFERTTRGKSATGPT
CAEAEHNFRLNEQREWGDLEIPMEESYERLSEKMQAYHWLNIPTTRWIAKADDDMF
VRVNQLEKYLRRFNHEVPVVLGEIVHRSPVARSGKWAEDPSYKPNVYPNWPKGSAGHVLS
KAAVEYVHHSGSLHRYQGEDTNLGIWLDLDAWKGALEDLALVDARKMFGSSGKANCEFG
SFLIVGHELTPELDFECQKKTHYGSKAAFLGVSWTERPAPT

>comp8537_c0_seq1; 284 177 1220 LEN=1326; translated
MGLDVDACIDTLKQGETVSRQLRQLCQLVGELLVEESNVQPVASPVTIVGDLHGQFFDL
LNI FEGVGGWPPETSIFYLFGDFVDRGHNSVETLSLLLCLKLFPAHITLLRGNHESRQIT
RIYGFYDECLRKYGNASAWRHCVQCFCDFGLAALIDEKVFCVHGGLSPDVRTLQVRAID
RNQEI PHEGAFTDLVWSDPEDIAGAWQLSARGAGYLFGRVTDDEFHEVNNLEFLARAHQL
VMEGRKYHFDKRLVTVWSAPNYCYRCGNVAAILEVGGNDSNEYGSSTNENCDEDDGNNA
QQQMTTSSEHEGYPGSISQRFKFFRETTNSVHGPRGEERAHLVPYFL

>comp8537_c0_seq2; 201 177 1361 LEN=1467; translated
MGLDVDACIDTLKQGETVSRQLRQLCQLVGELLVEESNVQPVASPVTIVGDLHGQFFDL
LNI FEGVGGWPPETSIFYLFGDFVDRGHNSVETLSLLLCLKLFPAHITLLRGNHEVSFTI
SRLFFLAHRVPNSILCIGAMACDVTMMLADALXVLM SFRNQSRQITRIYGFYDECLRKY
GNASAWRHCVQCFCDFGLAALIDEKVFCVHGGLSPDVRTLQVRAIDRNQEI PHEGAFTD
LVWSDPEDIAGAWQLSARGAGYLFGRVTDDEFHEVNNLEFLARAHQLVMEGRKYHFDKRL
VTVWSAPNYCYRCGNVAAILEVGGNDSNEYGSSTNENCDEDDGNNAQQQMTTSSEHEGY
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>comp8539_c0_seq1; 526 108 2603 LEN=2682; translated
MGRFRPPS FSSLNLRKPPFFCLVLLYQRSCLVDARSWS DILSPSLNDASYDGKHHGHLRN
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TQQQLQATKPRIPKEREHEQLFSGNIFVHESNKRKTKEDARAPVENILSKNQGDNNLGS

NRRNKRSSSSISRVFVMNPTESLASVLPTEYREKSLLVDSFTRTGAAAIPFDANDDADR
DAENDSKHPTVYYDYPEHSVTPLNPLSYFNNDTSSDSRNGPGTLVVSYSTHQNEFVSKY
GNAWADSYQPPPPVDPNIAVAMANRLSYETNDSNSYSTSYYYWDEFGPEGYGFGPWKGT
LTGRKLRTKNQCGNVGRQSPIDIRLTGVACLEHHQIRTRKGDFFKQHRPEHSNLKLSIL
PSKLRVWFQRRPCSDLENPVCSEPPHADFPHGWWGFADVLHVDFKFPAEHTIYGQTFD
GEMQIYHLHPGRRRLPVVSVLMKVAGDDNGDGNNDGHNEYLQRILDGFQYDYDTNRAKC
AIAAIDAGHRRRKLQQRQHGEPPARPGGGTPTKGDHRGTQQEHGGEETISFSAEGFDSGTN
AARFHAKATKVTTPGRTNFGAGHGSKAAKGDKRTKHRNKQHAQRASSSPLFEHDEHDFSNL
SGLEIRASAAFNGRERLEEYARLLLPNNGTGNDDGHGHEHQSININATTDFTIRREHRR
RLSTSRWNPHRSLVPSYFYGYDGLTEPPCSEIVSWFVMDGPHMEVSFNQLEQAKAIL
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>comp8540_c0_seq1; 465 156 2282 LEN=2333; translated
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SPMSEIKTYDCNSNERNTGASMSKSYEPGHKSQKARAAISNTTSHIYGDYKSMETKPTV
SNSKSRLPPDDKKPHPTKATKSSLMSTNSDGAHKFKDTISGTSFTLACDYKSHKTKVT
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RLKRSKSPSTNRKMELLVKEGIEFYKNEQYANALKSFNTVLKSQMLCSSTERDDDPLIANT
LANIGCVYLRQNRHQLAVESLQECVQMLRLKASGGIDDDSPTKASLAGVLNNGTAKSL
QGDHQAGLPYYWALRDAMAVRKRNGENSFTTKNKEIANACYNIGRVSMFQQEYSIAKN
MLKESLRLEKELYGNQSIETVDTLNLIGFVHYRTKSFNDAVLAFTALSIITAVYGSVHG
TVAVSLLNVGMVLEKEEDLVGALRCFSTAAEIGTRLGLGRDDRCMRTATESASKIRRDLF
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>comp8541_c0_seq1; 254 591 1052 LEN=1546; translated
MKVLSLLSLFFFVAVCTQTLAFHFSQAPLAASRTSSRSVAMGMAAGLAEAPAVLERPATKK
SSSLSKQRHREGGETWEVRIYNDGDNTREHVARALVQITGMGEMNAYQTMMAHQNGIAS
VGMFAFEVAEYVNEGLQKQGIVSDIIPVDEDFQ
>comp8543_c0_seq1; 614 149 1717 LEN=2151; translated
MDTTRNSNAIATTTKSNRDKGGIGVVVLIGVSAATCIASVGYWYWCCHHHGKATAKRDG
ANKKKRDRRSNGAIGDWGPKPKSTTSNDGDDSSSSSSPFFELPQHLQRELHKEERRKAS
VRFLARKTPLYENIEMYAPDGATMLCTIGRKKANWYVRKELAVWLQGRTRGAGGEEKEHE
NEDKNGNGNETPSIRLLFEPKNHKKKTKDESSPKPASGETGITSCGQNVVSDHHEEQMRK
YNCTHKLNICVSCGALDATASAEASGTNANKTDGESLSPPPTQNAAAAAATSTSTATTG
LMRHVVPYAYRRLPTKFKTHMPHDVLLCLDCHIDAEQAAKVLRTDVYEESEFRDPTT
RPAVIDFEAKAIKSKARALWQHKSCLPQSRIDEYENELKRYLAKRTASKEAIDPSIPPI
TDNHGKGVGDSSILLSEAVLRHLALALEAETPNPNYVPLASLVMDNLCQTDEDIQEFVVG
WRNFFVETLQPRYLPTGWRVDSVPRVDVDPEEVEGDEKLES
>comp8544_c0_seq1; 359 98 940 LEN=1261; minus strand; translated
MIAGDENIPSNSSQIVYPILLVSGATLCLFDLGRGPKSIGTYFRSSGESTESDKDRML
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PMLQSELVPRGWITNEQFFQGLGIAQSMGPMFNFAAFLGAVTAGFPGSVTAAGVLFVGP
VILIFAMLPFWSRFRHLAWFKAVLKLGNASAVGLIVSGCVTLYPKSVHTYADTMVFI
GLATVYSFQAPYVIFWGCILGALFSSEVLNVGQKLLFATS
>comp8545_c0_seq1; 613 135 1256 LEN=1256; translated
MPRQHQRRTESDEQKPPNGKKQRKRPRTPSPSKQQQQEQRPDPPPPAPAALVRLKLD
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MLTGEATEQDLQSTDTAAPRSFKHFHDSDDDESEENNDGNSEQNAGAASFPRTI
PENH
KRNPVVRNGKGEQQWTRERRGDWDPEEAEIETQTSAKHDRFPRTKDETIVVSNRIRV
GWKL
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LGVHDCGDDDDDDX
>comp8547_c0_seq1; 262 476 1435 LEN=1435; translated
MALSLCADCVQYSWSDNNHQKKKAVYIQLGGSSRFLQTASRRLKAMLESRIAMRDP
CGGG
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DLMELLRLTKLPRLLRMNRTVSLVLDGIANLFRLLPEQDHFSTRGYDIGDKNPWHHRA
VTFFQISNLCKELSSVFEVFPVVLNECTSRISSESTTNSPVLEPAMGLAWSQCVNCSFFI
CRESRNLLNTAESATRTTTSTTIAESIQTSDSVQVCRRLVQLRASHISSEYSRAEFWID
RSGVHPYEHDFGQENQRRKY
>comp8548_c0_seq1; 647 1 1734 LEN=1784; translated

KVRRRPLQQAIYLG PQSKLQLFTRVMRNHYRVL LTFSPPLLVSAAFVGNRFSQSSSTAS
ASSNLIGTYPRLYMASDKNPFSSMIGDVASSLFGAGTKGDQQSASKVDEALGKIGGDGSK
TWP ELRSQLESQQTTEERNFRANLEKGYGIQGSMPHKIRLFDENKEEDIAVTFYRDSA
SWCPYCQKVWMTLEAKQIPYRVEKINMRCYGDKPASFLKQLQGGQIPVAIINGKVYQSN
DILLALEGLPQSKRSLNPPSHLRGEAQQLYGLERQLFSGWGWLTSGWGKDQFIDTLKYV
DSVLQKADGPFPLGKDFSLVDVQFAPFLERMVASLLFFKGFVIRVPPGERSTA EYPGINA
WFDAMEQLPAYQLTKSDYYTHAWDLPPQLGGCRPEQGSKPYEDAINGVRS LDGTQGSWEL
PLQADNGGVEPDWTFIPGGEPEARREAVERISANHDAIVKFACRGAGSKGFPNFGAPLAD
PNAVPNDALQNTVDKCLRTVCSALLADSVDGHNAEMEAI AKTIVSEGGKEYTGGVVASLA
YLRDRVGVPRDMRLPAARQLRAHLNWSIGMILDASEN

>comp8549_c0_seq1; 676 1 1903 LEN=2003; translated
XDSKNGNHSPFRILICIKIEREDRKSSEHNYFMVRCNHITIVVIVEAAIREVMKSFYQII
LLLINLPGQLLLSSHAQIYPSVEDELLFQVGAVASSSFELSLYPTPTKLDNRATAQIQNK
VENVLLSSSSSSDFDSLKGIKISVERVQFIEGYKQERSTAESNKKVSFINASIFQFKA
ITYFDVNHEPYSNPSQFTVDNLIVRTFSQPSTKSSFIELVGLTGD PFLVDVEGIGIDVKS
NERVPTKDKSTQLSRVDIILITSSCFILIGVVLVLF AHSKKEGYEDLQE QKYFKTKNRSK
VTTDNASQVDGTDENDPIKAQEGQISLSRMSVEKNIIEAGSLESSIDSQSQIAISLTK
SPEVSVASPSPHFTSGPSSSDMSSLDTSSSDSSSSDSSSCSPSSSAFTYRMDESICKSI
REQSDSTLDSEPMGSEEINHYSKVHTAATSELALKLLNL TNTATYVSRKKFGSGYSSSVS
APTILEEAAGQYMNESKVDEKSIKSAQSAGSIESVESDTTLNASNPIFKGLVMFGSTQEF
HNSWMESRKALEDIEEESIDDV FHV DVQRSVIFNGETEAAKSTWSPSVSEWMKSIRVFN
SASEMQSSAFSNGKENDSLDLSLESSLATSIVEP

>comp8550_c0_seq1; 451 343 1509 LEN=1735; translated
MLSSVFRSSIGSRASRLACRSKNRQLSRQQKASFWNFFRETSDEASESKSDEKPMVTITG
LDGFLGPHVGLFELKSGDYRVRATVRKNYADKSKMDA I KEAYGSHFQDL DVVEAELLDED
SMMRAIEGSTYVAHLASPYLDNKTRDEL VGPVAVRG TLSALKACTESGVKRCVFTSSYAC
IRWTGEEDAPSNGVYDEM VWSNPDRPGGMSDYAVSKLLA ERAAWDYQRDHPELEVVAICP
TLLLGPGIGRPNVVSEEFKAI LEDWTPSIK CASNYSDVRDVARAHFRAI AVPGAANHR
VLVHGEAVTKEEIRTILEELYADQGFSPGVTTLDDAGA QGIVNDNSLSKNLLGMEYTPVQ
KTLKDMADGMIASGAVGPHGGSDRVA

>comp8550_c0_seq2; 451 343 1509 LEN=1847; translated
MLSSVFRSSIGSRASRLACRSKNRQLSRQQKASFWNFFRETSDEASESKSDEKPMVTITG
LDGFLGPHVGLFELKSGDYRVRATVRKNYADKSKMDA I KEAYGSHFQDL DVVEAELLDED
SMMRAIEGSTYVAHLASPYLDNKTRDEL VGPVAVRG TLSALKACTESGVKRCVFTSSYAC
IRWTGEEDAPSNGVYDEM VWSNPDRPGGMSDYAVSKLLA ERAAWDYQRDHPELEVVAICP
TLLLGPGIGRPNVVSEEFKAI LEDWTPSIK CASNYSDVRDVARAHFRAI AVPGAANHR
VLVHGEAVTKEEIRTILEELYADQGFSPGVTTLDDAGA QGIVNDNSLSKNLLGMEYTPVQ
KTLKDMADGMIASGAVGPHGGSDRVA

>comp8551_c0_seq1; 566 190 2324 LEN=2941; translated
MSSSFPNPSRFSHAPSADDPGRGLGESEGEAQHLGASVSTKYSARNDTRLSPNTSFAEG
MDLRSSFLGSQKCEAYAKAEEDGDGTCTCTYTDLTF SQSNTFHSCSTLSSSVDFLSITGS
STPKPDLEDRRSPRGPRPPTRGATEGPHIRTSVSI CQALLNSPSNQRSAPSSHRQGRN
SAPSNYKSNDFSIDSTAPSSSSLYPTIPEGVIGIT EDHHEWYAGFFPPDDR LQRSQSAD
CNVAHFETAGGMSQSPPTVTTADEWAPPNSLPTVASELSAFYQAAL EEAATLT EEEEEEL
LKRQREL VVEQPEFLNQIETA AKEDCCTLGESTAASSKNNPISQFYRAALED SALDEAEV
LSLQGNRKGKDHGQEDES DLAPAGNSSTQTEDTVSDDSPGSFYQSALEEAACAERELGLG
SWGLPQDESEDCIFATETRRPSSHVLDRSFTSFGGQSLDNSLSRSALPANRTLGVRSARG
ETEGLTRTDAPLSPRKEPDSTPVAKHSEVTYEYLD DENDRDLRLAIQLSKLESSKTTK
APSNLDEKWSCTAVEESQAAPFD TDDAGGIDESVRSQQKAMEEYEQSSTSLDGCPYQKPG
TPRSFASALPREDHSASSPSLGGSKETAEEA QPFGNTGDDGDQARHLEQFLAHSEVQG
LPATAPGRSLCTGLLSKMPNHL SGVDKGLANDRPGETPTRGHSM TLRSLI

>comp8551_c0_seq2; 182 190 2324 LEN=2782; translated
MSSSFPNPSRFSHAPSADDPGRGLGESEGEAQHLGASVSTKYSARNDTRLSPNTSFAEG
MDLRSSFLGSQKCEAYAKAEEDGDGTCTCTYTDLTF SQSNTFHSCSTLSSSVDFLSITGS
STPKPDLEDRRSPRGPRPPTRGATEGPHIRTSVSI CQALLNSPSNQRSAPSSHRQGRN
SAPSNYKSNDFSIDSTAPSSSSLYPTIPEGVIGIT EDHHEWYAGFFPPDDR LQRSQSAD
CNVAHFETAGGMSQSPPTVTTADEWAPPNSLPTVASELSAFYQAAL EEAATLT EEEEEEL
LKRQREL VVEQPEFLNQIETA AKEDCCTLGESTAASSKNNPISQFYRAALED SALDEAEV
LSLQGNRKGKDHGQEDES DLAPAGNSSTQTEDTVSDDSPGSFYQSALEEAACAERELGLG
SWGLPQDESEDCIFATETRRPSSHVLDRSFTSFGGQSLDNSLSRSALPANRTLGVRSARG

ETEGLTRKRTDAPLSRKEPDSTPVAKHSEVTYEYLLDDENDRDLRLAIQLSKLESSSKTTK
APSNLDEKWSCTAVEESQAAPFDTDAGGIDESVRSQQKAMEEYEQSSTSLDGCOPYQKPG
TPRSFSASALPREDHSASSPSLSGGSKETAEEAQPFNGTGDGDQARHLEQFLAHSEVQG
LPATAPGPRSLCTGLLSKMPNHLGVDKGLANDRPGETPTRGHSMTLRLI
>comp8552_c0_seq1; 314 1 1269 LEN=1284; translated
XVRDGNHRAVAVRLSTGTAAYRCVLLPSETAAAASDCLEGLVSAGDGNNGSDGNSDGDGR
VLALGRLLLRGDGGSPCGHEKEDEHEDSPRTQNRNRNQHRPPSDGLGLVVFQSEERRRTPG
RTPEGPDHGDGPDDVFLAIQETVANGMKRSVFRKKMEPTDVLSCYCRFAGKALNRSLEDAE
RTKEGMLRWKKTAEATLGRVQQETKDTLLANFARLRNRAHERHRAELSELSREHRAPREAD
SWSAPATTERTDPAVHPADDEAPGPDDDDHDDQALGLGLLALAEGRRLRGEQPRTAVLAP
GESVDMVGLSRESRAFEDDRKXTEPKARADRRSAVNQRNRCRANPRGAAAAASLAVRDG
GGDGRTRASGGEGTARTTGTTFSEVPGGRTGDHNEKKEKETAQAIDRSIELPHEFYRILQN
YSA
>comp8554_c0_seq1; 549 194 1105 LEN=1656; translated
MPTGSGRKRKTYGFVRDLDEEFLQHQQSDDNDENDTTCNGNGSHSSISVNDDDFVEDESGS
AIRVEKKRESRVNTQNTKKKDRRGNGNSAQKEREKAETNEQSQKEIKSNDIRITADDEDHF
ETTATSTRNEKESKTIISLDSFDVVLPPSIIGGGGTYENQCTLLVEVSDTTDAVALGEF
GGSVGAIGRFESDSNGITLCLKGNQYRGSLLPGPTCMVVGFPSTFGFKKKEGPIAATKQDQ
QVEEMSPSSAFPTLRVEAITDEYATLVQIADHMKTLDAVVIGNQNSHETNGKNENKDKI
PK
>comp8557_c0_seq1; 347 464 1563 LEN=1590; minus strand; translated
MHRQHHLASTICLEGCVARRRCGVAAVFCSSAGRGASPYEDGAGAGAASSGFFRTHVLD
WIMLTXVSSASASAAAASEAPPPTKSAAAAAVRGLDERRRVVSGVRGRRTSGSRGLGRWS
GRLSGRRFLATATAPSSAAPPATASEPAAAPSKSATASVRVVVVAVVPVALVVVVVSLT
LRGSVSTPASAAPSASLVVAPASLLVGITGPPAPGHAAVPAPPAFASVVSAPPSSAPVV
LPTVAAVAVVPATAPAVAIISLGSSTGQPVKGFVCGSRLSPAASVAAAPAVGIAAVTVIPT
VVSLGGFVVFVVFVIALFGFLVVQVLVAAALSRGPESTGHGQSVSLFRRARLSFSMNNAK
QNETRR
>comp8557_c0_seq2; 314 1 1313 LEN=1734; translated
EDINDFLDYVVMVNNKDVGYMIKELVGMEMEFNCQAVAEKVGEELSGFLAKISGAGNT
TGDEPSGTIASLKPSSSEKGNALMSGALGASREGGRNKNLDNQKAKQGDNNKNKNKAS
NETTVGMTVTAAIPTAGAAAATEAAGDSREPHTKPLTGWPVEPSEMATAAGAVAGTTATAA
TVGRTTGAEEGGAETDDAKAGGAGTAACPGAGGPVMPTRSEAGATTTTRDAEGAAEAGVET
EPRSVSDTTTTTTRATGTTATTTTRTEAVADLDGAAAGSEAVAGGAAEDGAVAVXEEPST
GEAAAPATETTASAGAPAADAAHYHPSPLVQASYSGRGGRFGGRGRFRGRGRGGRGGRTHVV
NMIQSKTWRKKPEDAAPPRPRREMLLYQRNKKKRLPHHTGDGVPRNPRGKSWMPSGV
GDALRSTIREDEMEDT
>comp8558_c0_seq1; 1057 348 2136 LEN=2136; minus strand; translated
MGTFEAAQKDSKSEDKQVATTKKPKTKRQRRKDLQNSDKNKWLIQHPKIQSNEKRQQVYI
KDAGLNETKAEKRQAPIDPKLDLMSPEVKFGRLLAGTDQRKRHAHAVKLLKAYLKARSDIS
EVVDGDLGESTSGGISELDLLKLWKALWYTYLMADKKAVQEELSKQLVQLLWCVVGTEEE
DEYAGRAYLEMTEAEEQELEEEDDSDGEEEDDHEVTLEEIENTIKEELDSDDNGEIEE
EEDEDEAMEEEDPEGSDEIMELNDEEIPHCRGAHLASIFVRTFFRTIRRWDGTMKDYRID
KFYTLIRLMMHEIYEYMSVRSWNYGIVLLLNDAVFEEILKHPNGLRYHLIDLCLLEELAK
VNAKAKIQLTEATFLDVLEPFFGLCQTGRNDDTVQERVMEKVMDFLENYSIISDRALKE
AEDEEDNGTISIIFSNVHVKTIAEFFFTLGSDPATKDHFRKSLYDMHKKYMRRLKKGKDV
EITDDEDGNEIYEGEEDAVVDDVNINNIDESIRFLEAETGENQEDSEDDDDMGDDGEEP
VAKVEAEKPKKESKKKKRKSIDPEPESEDNSAPASAEAEAGDKKKKKKKRKSXPX
>comp8563_c0_seq1; 230 1 431 LEN=552; translated
XAPPVPAQHVPGDAPQVAKELTSFTESIYPPRLTVFRPTTHRSQSTTTMSRGNQRDTR
AKRQAKEAAKNKGNREGTPAQRNQEDAALQAKLAAKAAKADAANAPEKAPVARKKV
QKKTETLDDLLNAGLSKGGKGGK
>comp8565_c0_seq1; 321 97 2102 LEN=2367; translated
MTLQEYTPDERENTSSTASTLMPLSFSSTADAINVAKKPSLGQWIVPIIGILLAVVAYFL
TKGTQNGYISYDGKNTNSEYLELLEIPEYDEEEALRHIFYSKAAFCTERAITSWSCGEIC
DNAPVVGNDKIRYIPEGQRFVQGYVAQIPGNNDLVRSNVLFDDNPSNENGRNDDIKCM
VSFRGSLKPANWYADFLMLRPWPLNDLSGVDWCQGCKAHHGFAQAYDEIRTDVHRAIED
LNCTRLVLGHSLGGAIATIASFDLRAAIGYHVEATWTFGKPRIGNAEFVTSFVAAATAQ
GISPPIWRVIHYHDPPIPRAPPHLPGVHPVAHGPLEIYYTNRASSEFTVCPQHGATENQSK
SCMAGWPLYLSLNLHDIDYLNQSFQAFKNFPDEXQGHMILNDAAGLKNRNDPRCENQTLS

CLYVEGTRSSFKLALGLSGTATFLVLNDPGDTIFRRTSIELKSLEKXKXVSIPPTMVSVKSEERVFKEEKTVTTKTKGRKTKTKTWNERCVECKEFFEKNNHCKIPTNFKENKSLGIWVQEVRRNFKAMMQGKEARRPLTIEQIDQLDEIGFHWGFQRDYNKIAETDASWEKNFAKLNRYSKSCGHFEIPLGEEESKDLRNLGIWTRVQRTQKYRDTKRKCFITKDRIKLSDIGFDWKGEREIKNA

>comp8567_c0_seq1; 182 262 726 LEN=877; translated
MGNTGGNNQVSPHIAGSRNKRKDSRLFSSINGPQLTNVDKEQMEEIIEDYEKGGREASGYVVM DVRENEVAASGKVPNTHTLPLSIVGNMGVVFEMDEDDFERICGFPKPTADETLVFTCAAGIRSKNACAYAAQAGYTQLVNYMGGAYEWFS

>comp8568_c0_seq1; 257 48 677 LEN=1318; translated
MPAETLPLKPLVCLKTADFKNTDQVVEGKNTIIDFWTTKCTRCPDALDRLDEMAQDPKYQDVQFISICCDKLDGARGIIEKDDDLRWQNVNHYFMSKEDKETAKRLLGFQVPPFYVVMDEYGAITQSGSGRQVDFEEVPGVVRPDS DSSVGLVTDSDDEDNESFDDMGLDFELDFGNKLLIEDSESLQSSSSTSSPVEVLDESIFDLDDF

>comp8569_c0_seq1; 592 214 1827 LEN=1977; translated
MGYARKGAGLPSVASVASVSLTMESSLLPFHKSTTQSRCS SSPAIVEGSDSDSDDDDERYMYEINNNPGNQALGDLIRRKSGTSPSPWAVFDAGAGNDVGENHHGQMSSDENFLLSDESVRIPERNECQDTNNEIASETDILKAYDKFLQQRSSVHFGYPYNLMYDHSELFEFMKYSINNLGDPYVTSNYSVHSRQFERAVIDFFARLWKADKDSYWG YVTTSGTEGNLHGILVARECHPDGILYTSNETHYSIFKAARYRMDCRSIPTLPMGEINYDLLEKELSENDRKPAIINVNIGTTVKGAVDNLDRVLDILNRLEIPRERFHIHCDGALFALMMPFIDDAASVSFQKPIDSI AVSGHKMLGCPMPCGVTL SRKENVKVEDHIEYLN SVDTTIMGSRNGQAALYMWYSLRKKGLEGIQK DVEHCIETAKYLRDTLSQAGVSCRLNDLSSSTVVLERPVD DSFIKRWQLACEEDIAHVVMNVTRNKIDLFVHELLNSFQTHGRIKLAHPNSPLKLL ESDAWDIAM

>comp8570_c0_seq1; 281 381 926 LEN=961; translated
MLIASMLHIARAYELSSRAAPLMRSPHHLFRAPFISSPTSGT SILGSKMLTPCFSRSLSSLEMAKPNTIVCDNFYISLSIPTMEMMEEVGALIAILSQPSDVMFLDGD LGAGKTTFSRGF IKCKLGVADDDCDD DENDTQENRTEELRITSPTYLLSNTY EYTEDDDYDEDEDREQKVM E

>comp8570_c0_seq2; 335 381 1265 LEN=1308; translated
MLIASMLHIARAYELSSRAAPLMRSPHHLFRAPFISSPTSGT SILGSKMLTPCFSRSLSSLEMAKPNTIVCDNFYISLSIPTMEMMEEVGALIAILSQPSDVMFLDGD LGAGKTTFSRGF IKCKLGVADDDCDD DENDTQENRTEELRITSPTYLLSNTY EYTEDDDYDEDEDREQKVM EIHMDLYRLSGKSPRDFEPLALDHVFANCISLIEWPSRLQAFPELLPPHETLLKMDIRIPDPTSDKRVMSLISSTNSSWTRRLKYLVD EGMVDDMLICSDRDTDDHTAQVDTD

>comp8572_c0_seq1; 507 126 1787 LEN=2063; translated
MATDDPSSSAEAMSPFSNQFKITFAAILFMTFLECVGYMAVMPSLIFYVRELGGSD EQYGLILASANFSSFLMPLYG SWVDALGNKYRLPLFFGSI FSIIGMILYSVAICFPKPIGVWVLLLSRIIYIGIGASSGSIYFSYIASVVEHDQLTYSTQLISMATYGG LAVGPPFFNSMISNVNTEWNVLGSGWILPLDALNAVGLLIATNDI IALVLMYLYVPEPPKKEKSESEAQTAGAAAADTTGSTDAAWSDFKELKSFRLLLPLITTYVVGANYQLIEASFSPAAMHGLGWGPVQTSAVLGGNTVTLVLF TFI SLYLSTEVKVRDGT MIMVGFMLWFVAGIGMYAFWIYPATAMDYVVPISIGLAGYPLIGPATRSEFSRYIHIRPELEPLQARLQSIIGMANEVASFTTPLFVGACVLRSP EEEVAGKNNHELTPFALYIPVFS AICILGWFYNALLEKDDVDEAEELVTEGTPLVSEGKKPRHSIACINSEFSAKNEVNRLRSASII LGAHMSVVVPFETEPEKKLREKLMEEKKQWENMIREMEQDE

>comp8573_c0_seq1; 236 1 1088 LEN=1100; translated
RHAFDVSSLLGWL SRRQKTYEGGFSGRSNKLV DGCYSYWQGGAI AIASSRSGVLGGEGGT TSGSKASEDPWLERYYREQHRS GGGSGSNTGGRAEPLPFPLLYNVFLLERYILLCAQEITGGLRDKPSKPRDFYHTCYNLCGLSIAQHCGNHHEPGE GAGTAELGEEDTPPDPQKEDFFDPGFGDEHQTLVEATHPCYNIRIDRVAAILDMEWEETTENETNKTKRNERPNLVKERQEGKECQHSRRDGTNPFGGHVVGETMCP LQREPHPSNAGWWV VFSLCHSDAKQWAPGCPRGDTGAKQKQAVRVARNP GRAEGIREGRLAKGWLRF CRDTTIVLRTARGSV PRAATGCEYS GPVPI L

>comp8575_c0_seq1; 295 456 1607 LEN=1862; translated
MPNGGKRKDIFFGTVKRRTTFVRGRRLWRIKYDDDEESLDIFKFHEALDLYEKCKELDFRKNHTRHEFSKQIVCEKENMNAKIHNNLSLHHQFLCGRNERQQKSIGRSIPGQEKCLGKTPKQELHISPTRITHWQKTTHYKKVATR KATSGRYTYTERSDQELHKQTKRISCDQDEMAQTATSHISKKRLLKPLRLRNHFFDEHGELFFEAQYFGKFEKTF SMPFAELKKEEPVMCAKYIREYISESRRGERPLNNWSKIVLKEEGSRVARPSYSAKESHSSISEIQSYNILDNKYISR

RVAKFSCSDSEIFFGTVKSVFEEIKTSSPLWHIIYDDGDEEGMDLMELKHALDLYSRCE
ILEDTLGGHGCNAKVVDKYREVE
>comp8576_c0_seq1; 187 326 658 LEN=900; translated
MEAYEVTKEELQSKFPTTDLGKWHAGEDAEWPPYEEPEFPQLRFDVGEKVLCRIGPDAE
KDWAPGTVTMLWYSEQTWPPGSFAPYKVKLDDGRSIFAPGDLQVIRRAS
>comp8576_c0_seq2; 144 419 979 LEN=1221; translated
MFNPEALGERNIAEQRRKDAFRNIEKWSLELIPESMREAAQVSGQEIVCGDPDCSPVDTL
VTINFESGKDGFMFLPMEAYEVTKEELQSKFPTTDLGKWHAGEDAEWPPYEEPEFPQLR
FDVGEKVLCRIGPDAEKDWAPGTVTMLWYSEQTWPPGSFAPYKVKLDDGRSIFAPGDLQ
VIRRAS
>comp8576_c0_seq3; 279 287 847 LEN=1089; translated
MFNPEALGERNIAEQRRKDAFRNIEKWSLELIPESMREAAQVSGQEIVCGDPDCSPVDTL
VTINFESGKDGFMFLPMEAYEVTKEELQSKFPTTDLGKWHAGEDAEWPPYEEPEFPQLR
FDVGEKVLCRIGPDAEKDWAPGTVTMLWYSEQTWPPGSFAPYKVKLDDGRSIFAPGDLQ
VIRRAS
>comp8578_c0_seq1; 122 136 513 LEN=1652; translated
MGSFDAGYGSTRMARLIGQKRARELWFLCRYMDAKEASSTGLINACYPHDDLEGRTAQWV
RRIAMNSPTAIACTKAALNADEDGAAGIAQLGGELTRLFYGSKESQEGRDAFLERRPPQF
LRSKL
>comp8578_c0_seq3; 106 124 1113 LEN=2252; translated
MKDNNSTEQPNASMDAARNPSRTAPPSKHRDGFELISRRPIRWTNYVRQQKQQQEPK
FVDITYHISTEDRCARIAFNRPVHLHAFRPQTIREIQQALLLATDDVRISVIVLTSNVE
SVRTPSFCAGGDQQVRSNDGGYQDGTETEPKLRVLELQVQMRRSPKILCVVDGYAIGGG
HILHMVSDLTIASTRSVFGQTGPRMGSDAGYSTRMARLIGQKRARELWFLCRYMDAKE
ASSTGLINACYPHDDLEGRTAQWVRRIAMNSPTAIACTKAALNADEDGAAGIAQLGGELT
RLFYGSKESQEGRDAFLERRPPQFLRSKL
>comp8580_c0_seq1; 293 86 1459 LEN=2795; translated
MVLTKDLETTLLQRQNRNKLVTRNPQLLRVQDALEHILVVGAVRHNDRRKEFQRLNQ
SQSVGDRNNHNGRQRKRKKQTVASVTTIHAEDFRIYGTSDVPRTRDIPTQEWRSER
TKEQEQRNRIDDSEWNVEHGDSVPPILFRMARLSQEFPSQEQLRFLNDPRSSRMKSLQS
TNI TVDDR DVPRSLIERCWERAVHAASTAIVTPVANGIVMDPAATARGSGNQNEYLHFDS
SLPLSQEMCRKKCESLQVDIDSLRQKARPRKQAPSLVASPPEVCPRCTRSFETPNELLH
YYGNEEAIGCCRALIRPKQLKLVRTLQSHVQSQTDLQLSIILSRAKAEENASEADEHLH
QPTADRSDGNTINKRKEENRTLEWKDVCQFLEDAVKNPTVIQDHRSEARHPVQOSLETAK
GADKKKVASAPWPLILNPMVLEAANNRLVDRYANLPR
>comp8580_c0_seq2; 293 86 1459 LEN=2596; translated
MVLTKDLETTLLQRQNRNKLVTRNPQLLRVQDALEHILVVGAVRHNDRRKEFQRLNQ
SQSVGDRNNHNGRQRKRKKQTVASVTTIHAEDFRIYGTSDVPRTRDIPTQEWRSER
TKEQEQRNRIDDSEWNVEHGDSVPPILFRMARLSQEFPSQEQLRFLNDPRSSRMKSLQS
TNI TVDDR DVPRSLIERCWERAVHAASTAIVTPVANGIVMDPAATARGSGNQNEYLHFDS
SLPLSQEMCRKKCESLQVDIDSLRQKARPRKQAPSLVASPPEVCPRCTRSFETPNELLH
YYGNEEAIGCCRALIRPKQLKLVRTLQSHVQSQTDLQLSIILSRAKAEENASEADEHLH
QPTADRSDGNTINKRKEENRTLEWKDVCQFLEDAVKNPTVIQDHRSEARHPVQOSLETAK
GADKKKVASAPWPLILNPMVLEAANNRLVDRYANLPR
>comp8581_c0_seq1; 365 1 993 LEN=1108; translated
XISEAHSGIRKRKILCQKNDGFDQKIATVSLLAIAFCDALTPKSTIGEAQRNEQYKKS
VSGIKELTFLHTKPETALLGAETRGGAAVDDIASFVPSITFLLSAAALALLAFEIRGS
SLPKTIGTWSLFWTTIAVGWDNLIIGLGKPFSDAETNKKKYDLLKALSIPRFTAHAVFV
PFLYVTCGEIGKALNIGWLQGDVQKILVAAAALGII SRVRFVNSPGIELSDTSDSPPN
AWERDLVWFYVKAFLYVVPAILVLALEIVIGIAALLEGSHRAAAALMVFAVAVLYGN
AKPSYIMRFTGNIVEVVMLWAVFLAAFIVL
>comp8581_c0_seq2; 442 59 856 LEN=971; translated
MRASIKKIATPETALLGAETRGGAAVDDIASFVPSITFLLSAAALALLAFEIRGSSLPKT
IGTWSLFWTTIAVGWDNLIIGLGKPFSDAETNKKKYDLLKALSIPRFTAHAVFVFPFLYV
TCGEIGKALNIGWLQGDVQKILVAAAALGII SRVRFVNSPGIELSDTSDSPPNAWERD
LVWFYVKAFLYVVPAILVLALEIVIGIAALLEGSHRAAAALMVFAVAVLYGN
IMRFTGNIVEVVMLWAVFLAAFIVL
>comp8582_c0_seq1; 886 144 2474 LEN=2831; translated
MSDSRKRKMLPLRAHVPMDKTVASQTNVLAKAIDEIYNRNASKLSFEELYRNAYNLVLH
KHGTLLEYGVTEKINSHLTETAEHLNVPDTSLLLEELSTTWSEHLITMIMVRDILMYMDR

TYIQQRPRPVYKLGHLFRLTVWEHPVKKERSIELLMASVRSERNGLLTDDRSLVKQVL
GMLLELGLSDGSNVYENDFETPFLAQTQEYYRVESQGYLSQNTATDYVAKATKRLEEEKD
RATALALPLATETPLQSI IETELVERHARTLVDMEHSGFACMLKDDTKLSELRDMYTI FA
RVPTSDVNLREALAERIKADGKALITDQEKRASDPPAFVKGVLQMRDRYDKIVEFSFRGE
KRARKRMRESFEDFLNTDARAASCLSVYVDELLRVGLRGATEDQITQELNKVIVVFRYLS
DKDVFESFYKQHLAKRLLMGRSVSDDAERAMVSQLKAECGYQFTSKLEGMFNDMRI SRDM
QDSYKTYKRAQAAKQSSGETNGSGRPIDIEVDVLTNGYWPSONIPACTLPTVVQEAIDR
YTKFYLEKHTGRKLSWQTSAGSAELKATFGSDPNKLRRYELGVSTYQMCILLLFFNNAKTL
TLGQIRLNTHIPNSELRRHLVSLCTPKHRILRKGSRGRGITSDDDTFTFNPDYTSKLRV
RIPLVKETSVSKSGDGANAGGAGGAGAAAASAANGAVPMKVEEDRRHLVEAAIVRIMK
ARKSLGHNELFAEVSRLSVRFTSPQFVKRVESLIEREYLERSEDRHQYSYVA
>comp8583_c0_seq1; 359 234 1592 LEN=1823; translated
MRQHGTPSSSYAFRLIIDGCNGPIRFREHQLRRVAAPGAEGNRHHPKPEEKQEEEQETYD
EDADGNPSGASPEGAEHTGSEEDGEILSFLCPESIAEGWKFLQREKRSQTDKKNRSHRG
KKRAKPKKGRHNTVKTNLGCVGDNKNNDNCWHQMESSNRMDMVPLLHKLLDSSSGDGD
RSCCFESATVIFDGVSITKRPSVPGAKHGTGEDDNDNDQSEIREERVWNVYSNTSASPRI
KNGTNGIDKSPLTVEVTGLFDEADNVIVDRIQECAAARAQRCEEAGESSPNRIRNVGA
CNSRIHIIRRTDRGAGKNRTAFRHLGLLRPDSVACVFDLLCAVDSTGNNGTVASETKEKN
YSSLSQFHSLALDGDRTLRSLRQNNPGNVFLCIDEPQVEVEDVFAEGSSERIGEIVLPI
VATDDIFLRQRIVKEGGYVMTFHQLWLLLLDA
>comp8584_c0_seq1; 1297 1 2917 LEN=3049; translated
XNNMNDNKSSSMATSLNLLGSTAGESNQIPSVAAAMTEQERNEVVALLRSSIECVTN
GTCDPVLYQAMGALHRYTAACAGLSPPTQKPAFVLREDCGPRTNENDNDPDQEDALAYGW
LEELSPASLDSYKRAEKAAWNVLALLVQREPTDEPCLWITREVVPTERPYETDDETDDE
ETPRGNENSPDRRGPALETELHKIPLKRRLLKSCRYQNFYGDHRIIFLKHVLRDQQIIVL
KCPSAIAAKSWIDCLVQTKKQKLAPGSDDATHDNIEMIEASLSNLPSVSSTEGDDNDG
NHRGRDRGRTRIINVIDSLDEADGDYLLSGDAPAEATGSPARAKKPLAEQLQEAEDRKRA
QQLADRNEERKQRMELERLVAIEKGVKIVKIETQKLEERKQEEAPKEPKKAPVTAEE
LERERLQAQRKLEERLVAIEKGVKIVKIETQKLEERKQEEAPKEPKKAPVTAEE
KQRLRMERIEAARKRAEADRRRIEIEYEQAKKERAQRRRDLEEQRKKAREEQRKKDLLK
KKKFLSEQRKEAMKASAMKPPPKASAGIFSAATSATAVSSGAVATPSNPNKVDAHP
NGKDEKGNLWFLGQMSAFEADEERKQEAQKREEDKEEKKEEDPEQVRMIAEE
ARQLVQDEAKKIATETEAAKLAAFRQQQELQRKAWASKGGTAPIGSNSPTTNYNQQR
SHRSLSPNTAPYQHHPQQQPSQSSSPTPPYPASHNASRQPWNQMNPSPYPPQQPQFQHPQ
QSGVAAGSSLPGYHQPQHPSPQRPPGFSNAMP SHPNHPQTQTHSQHTAQEPTAPRST
HRQSPPPRPQPTNGESTESTLKRSLVLTWGLQPPAMQVLKPVSQLICSIHTVFPFAFGM
AAHEYFRGWKPVAASEVEEPKLLKTVRKIRFFLHPDKLPHDLTEEQQFLCKLLWDVINDA
FEEHKKSKEDLDW
>comp8585_c0_seq1; 588 105 1949 LEN=2009; translated
MVLQGGDYLRIHHTPRRFHRVYEAWSFPSSNSTAHQTDSPIDESKNGSLPMVIQQRGR
GYCIDKPLPIPVHSTVDNNVETVASQLLLSLEEEQRQQRNASDHDAVDPPYLVPVQRID
VNTSGLLVLATSPEFAAYFSELLRRKTATILDQSGNSTGTGKSARQKTNNTTGRSNKGDG
VPTVGIQKGYKLVCIQPDKSSGESVVEAWRRLSNLQRPKDQSPSKDDNGGSEAAVRGSI
IRHYLKASDRAPKLFVDTLPEEANGDDDSKWYECLMEITDVGEP IPLFSSDSIQRGGPAD
GLWPKAAIDGGFQSRIPPNTKAVAEVEVSLITGRTHQIRGQLSKLGYPIVGDEQYGGALQ
LPEISGISHETGSGFDGGRVESEGPLPPQLLALQCSYVGFPEAEYELTWHKKRRDVLGR
PSKSGRTIQQTLERAWWTPVLEQLGASEETGEPRFSDIDFEDGPHERTAPIESSVEAQR
RDAETTSEAMVRPDLPPAVQLSPGRNKYIVARLRDPI TDRLRWFVRSAPLPYHADVALD
LLEWIGSVPGYTTREVEVTGGRIDYDEALSTVSVYGFYSYRYGKGDHVRVAQLIQDSSFG
GDNTVSYDLSDALY
>comp8586_c1_seq1; 272 1 581 LEN=866; translated
XQQQQQQIRSDSHNDAANIRTEDHKNKKTERTSLTKQDLKRRKAEAQTVMDISYWKHFV
SKQGHLLQVTSKLSMDENFYSPFKQTPEATRAGRAKTPEAAGGNAKGIATFQDCLRER
HSTNVAIARVQEDLESLEARQHVEGGISMAMANLLEARQALYQAKLSESQKAGYLPRRV
VRANEAINSEGTK
>comp8587_c0_seq1; 518 97 1713 LEN=2031; translated
MALQQELARNNPRYEFYDESNPDASAEDAEDAESIYTTVPTKNHERERIPFVYSLGRRY
HPVYDYDERKQYEASLFWWTYRYGFPQLNSISTDAGWGCMLRSAQMMLSQALRMHFKSRH
WRPDPSTSVARNDAFVARLLTFADFP SGNESFYSLHNMCAAGMAGYQVLPGDWYGPFTA
CHVVRDLVGLHRQKQPNLFRVHVSSEGTVYKDLVYRLMTREASAATKRRRREGSDGDND

HDHHDHHDHETAVPAEPLHPLDPSCLSRGPDDEPDGDLEWDAGLLLLVPHRLGKDSIHE
SFARGVARSFALPQSVGILGGRPRGARWFGAYADGSKVLGALVVLRFIVSRLVACRAFS
FFRLHDLRCSAHSNIFLVSLREPTARPKTNHAQAXDPHTVQEAPRRKERTGGATTTAIDG
GFESSIDLTHEYLASVHTPYPDVLDLNRMDPSVALGFYCRDRRDFLDLQEALSRDIPGGT
HQQLVSFVDKVPDYMLSELQGD CDVDVDGDIDL DGF DGGGFGDPKRDELSDEEDYVLL
>comp8587_c0_seq2; 551 97 1554 LEN=1872; translated
MALQQELARNNPRYEYFYDESNPDASAEDAEAEDESIYTTVPTKNHERERIPFVYSLGRRY
HPVYDYDERKQYEASLFWWTYRYGFPQLNSISTDAGWGCMLRSAQMMLSQALRMHFKSRH
WRPDPSTSVARNDAFVARLLTWFADFP SGNESFYSLHNMCAAGMAGYQVLP GDWYGP GTA
CHVVRDLVGLHRQKQP NLF RVHVSSEGT VYKDLVYRLMTREASAATKRRRREGSDGDND
HDHHDHHDHETAVPAEPLHPLDPSCLSRGPDDEPDGDLEWDAGLLLLVPHRLGKDSIHE
SFARGVARSFALPQSVGILGGRPRGARWFGAYADGSKVLGLDPHTVQEAPRRKERTGGA
TTTAIDGGFESSIDLTHEYLASVHTPYPDVLDLNRMDPSVALGFYCRDRRDFLDLQEALS
RDIPGGTHQQLVSFVDKVPDYMLSELQGD CDVDVDGDIDL DGF DGGGFGDPKRDELSDEE
DYVLL
>comp8589_c0_seq1; 360 30 1136 LEN=1533; translated
MSKQAERSLTILVMDVSPVTWGKREFIRNRRDKERSEKGGTIGPANLDDL SAVQAFSS
AYSSLERDSALILVGVAGSEVAVVHPRKDDMEEFNNPESKLD SRKI QSDLLEGV AELVA
RAAAKQSSGLAGKGGPSSSLAAMASGFSIALCLINRFLVATNAGVSALRDHDSWSRGDGS
DQGIITALS GTGGGKPAAKARAWSPRIFLIQASDDRPSDYN AFMNCVFAAVKQNVVVDG
CFVVDPTGKTKTSPYLEQTCDLTGGLLSKPIGSSQSNKALTEILLSVFLPPRSSRPRNL
PGIDDVDFRPRSFDTRALLKIAFVCNQCLSIFETKPVGTCTCGAEIRLPAAPGGSGSGQ
AAKKARRG
>comp8592_c0_seq1; 304 157 855 LEN=1793; translated
MVYFFTAEYESASSTEQYPEFQTFDVYMGKNQSENELLIKYGHPEDVWFHVDNLSSAHVY
FRMKPGMTMDDVPKEA ILDCATMVKANSIAGCKKSEVTVVYTRWKNLKKTHGTPDGT VGF
HRPDNVRIRVKKDNFRVKSFEKTRTEQLDKVEEMLSKSKQERRLKEIQRQKKEHNRMEQK
AKKKAYQAQQIEKHNSYDRIHIDNAHKMTSSREMAATADSTAAEEYEDDF
>comp8592_c0_seq2; 248 157 525 LEN=2159; translated
MVYFFTAEYESASSTEQYPEFQTFDVYMGKNQSENELLIKYGHPEDVWFHVDNLSSAHVY
FRMKPGMTMDDVPKEA ILDCATMVKANSIAGCKV SIGSDFLVRECIGAIIVLYLVQNEKR
FH
>comp8593_c0_seq1; 543 133 1713 LEN=2523; translated
MMRLKMGKKHKEKNDDSSSNNTSTQPSGKSARSSNATTNKTNNNNASSTAHSKTQPNEG
IVTNASTSSKRGSSNTKSPSSVNSNELEKVYVQHPGADRSALKELPALRDAPPAKREEL
FVLKQLCSVIFSFDDPMTDKRGKDMKRQTLLELVYVNTPAGQKIFTESVMGDLMAMVA
ANVCRALPPATDDFDPEEDEPVL E PAWPHLQVAYEFFLR FIVSSEVNAKA AKKYVDQKFC
LQVLELFDSEDPRE RDYLKTI LHR IYGKFMSHRSFIRRAISNVFYRFVYETERHNGIGEL
LEILGSIINGFAIPLKKEHLQFLVRALIPLHKPKCV ALYHQQLSYCIIQYVEKDADTATP
ILNGFFKCWPWSSSGKQVMFLNELEEILELLGADQLAQVSDMLFTNLARCLDSDHFQVVE
RALFLWNNEHLVNSGCL SRLNAQAVLP I IYGPLYKNSSGHWNATVEGLAQNVLKMYMEYD
LVLYDRCTASYFQKEEDAKRKLAALEDRWTAIEKVASTNTPSILVS
>comp8593_c0_seq2; 520 907 2481 LEN=3291; translated
MSFELNMIQLKNDDSSSNNTSTQPSGKSARSSNATTNKTNNNNASSTAHSKTQPNEGIV
TNASTSSKRGSSNTKSPSSVNSNELEKVYVQHPGADRSALKELPALRDAPPAKREELFV
LKLQQLCSVIFSFDDPMTDKRGKDMKRQTLLELVYVNTPAGQKIFTESVMGDLMAMVAAN
VCRALPPATDDFDPEEDEPVL E PAWPHLQVAYEFFLR FIVSSEVNAKA AKKYVDQKFC
LQVLELFDSEDPRE RDYLKTI LHR IYGKFMSHRSFIRRAISNVFYRFVYETERHNGIGELLE
ILGSIINGFAIPLKKEHLQFLVRALIPLHKPKCV ALYHQQLSYCIIQYVEKDADTATPIL
NGFFKCWPWSSSGKQVMFLNELEEILELLGADQLAQVSDMLFTNLARCLDSDHFQVVERA
LFLWNNEHLVNSGCL SRLNAQAVLP I IYGPLYKNSSGHWNATVEGLAQNVLKMYMEYDLV
LYDRCTASYFQKEEDAKRKLAALEDRWTAIEKVASTNTPSILVS
>comp8594_c0_seq1; 324 1 755 LEN=1374; minus strand; translated
XATSAQEDLDGLSKEQLYERIVPLLGDARES IMQAIQRYGRLAKTKNGKKHRRNHHHHQ
QKQPPQEAESGNNDNGRATDVAKSHLDDL TGVANALLKGEVNIYDASRHDFRRFP SLS
TQPGSKPDSGGPAAPLSKNVKWEYQGNEDQLHVVTTEQMIAWVQSGYFVGAQRVRI RTI
AVQGEKNASKPESAEP SLSTQDDMLADLMDDDSEDEEDSRPAKKARETGSTTTVKGEWMW
SDEVYKMYML
>comp8594_c1_seq1; 298 148 1091 LEN=1166; translated
MASETSGEIHIHHARRWFLGGANREADDGDTGPGGVYQFVSFVFWYVAMIAXLPRPDL S

GAPAEAEVERNEQERRRREESGEGTDGGLGGLVVLGGTNGSVLLWTAVDGSGVLTLRVLN
DSGAPPAADADATGERAKRLGEAMKETTFFVVRASDLLRKPAGRGEDDDDDKNDGGREAS
FDPETNAVEPNDRNASDADDDDDDEPFAELRLPPGRTVPASCAICLSSYRAGDRVAYAS
VCRLRAAAPAEGTCPHAFHAGCISEWLAGRDGPVRTVCPCCRRPFCAAVPLSPAGSGSRT
VPSGDGSTPRTAAI

>comp8597_c0_seq1; 409 104 1069 LEN=1336; translated
MNSTKFASKIVTSVARPSVRSMSSTANVWVDKNTKVICQGFTEGKQGFHSTQAI EYGTNM
VGGVTPKKGGQEHLGLPVFNTVMEAKDAVQPDASVIYVPPPFCAAAIMDAIEAEIPLVVA
ITEGVPQQDMAKVKYALRQQSATRLIGPNCPGI IKPGECKIGIMPGYIHTPGKIGVVSRS
GTLTYEAVHQTTVAGLGQSTCVGIGGDPFNNGTTFIDCLERFTNDPQTEGIIMIGEIGGSA
EEEEAEWLKEYGDPNKPVVGF IAGTTAPPGRRMGHAGAI VAGGKGTAAAKFEALEAAGVH
ISRSPAQLGATMLKAMGLESE

>comp8597_c0_seq2; 403 256 1044 LEN=1311; translated
MVGAVTPKKGGQEHLGLPVFNTVMEAKDAVQPDASVIYVPPPFCAAAIMDAIEAEIPLVV
AITEGVPQQDMAKVKYALRQQSATRLIGPNCPGI IKPGECKIGIMPGYIHTPGKIGVVSRS
SGTLTYEAVHQTTVAGLGQSTCVGIGGDPFNNGTTFIDCLERFTNDPQTEGIIMIGEIGGSA
AAAAAEWLKEYGDPNKPVVGF IAGTTAPPGRRMGHAGAI VAGGKGTAAAKFEALEAAGV
HISRSPAQLGATMLKAMGLESE

>comp8598_c0_seq1; 313 163 960 LEN=1157; translated
MSSNSGDNKNSLVSSCDTKEPAFNPCLPKERLGTSHGSLEAFHQAVGSATRPAAKKTKEYT
LVVVTETVTVQETQHKHQRI LLGMKNRGGFTGKFN SFGGKFLHDETGDNERESVEECACR
ELEEEETNLRIPIKEMIESRVGVQRFTEFN DKEMLVHLYFLDLANSFGGEGSAASYEVRA
CDEITPQWFESFDQVPFDMFADDSLWLTALLSAARSRASNPSAKPSRLEPPLQINGSY
HFKENCEETNTILHYHMDIQSPKRN

>comp8599_c0_seq1; 279 306 1691 LEN=2022; translated
MTDHNDEGALSSSRAGRAVSLPTYLTDARAVQKYCQSSAPD GALQLSVAENQMLEDLLV
PALTKFSRARESFADAIYYQPTHGREPLRNAVKDYLDLLELDVATSGGLDPDGLVVG
GCNAVLENLCVSLAEPGGVMIPLPYAAFEFDLGS RAGLEVVPVPTMEHSGFDSSSGES
PPPEAYYLTRAALDAARQKSIDENGI EPRILLISHPQNPLGICYPPDVVLEAIDWCREHK
IHLISDEIYAGSVYEQNHAGFSSALKLASSSSPT EMGLGLGPFVHFVYALS KDYALSGLR
VGILYSENPEIRLPLQKLNLDLCSVSSQTQCLVEDMMTEVSPSSVHWTKGFLTENQRRIR
ERKDAWQSCDELGIPHLDATAGLFCWMD FSEFLPETGTPSERERALYLELLTEYGLLFT
PGDSMKNELPGFFRCVFTAASDHEFELGMERLRNYVNEKRA

>comp8601_c0_seq1; 544 17 1123 LEN=1197; translated
MAMFCSTAACKAILTTIVMSSTITTSFAFAIGEAGKPWGLAEKKEWRDTRVKQRSYFEDVIP
RVEKLREDRKDAFEVTHYGDLPHYKDSSDAESCEFFPLFAVRTRDWAKDKPSFLITGGVH
GYETSGVEGALMFLETKAEGYSSHFNI VVAPCVSPWGYERIQRWNA YAVDPNRSFNPDGE
IVEGRSFNPEAATEESAALIKYLREDMKDLNGNQWICHLDLHETTDTDETEFRPSKAARD
GETSEPEGIPDG FYLVQDETSMKPEWFTAMIEKVR SVTHIAPADADGNLIGEKISQEGVI
KIPSNRMLGLCAGVTDAPYRTTTEVYPDSENATPEQC NLAQVACIEGALDYIIKHLSGA
AATTTAEN

>comp8601_c0_seq2; 122 17 661 LEN=1509; translated
MAMFCSTAACKAILTTIVMSSTITTSFAFAIGEAGKPWGLAEKKEWRDTRVKQRSYFEDVIP
RVEKLREDRKDAFEVTHYGDLPHYKDSSDAESCEFFPLFAVRTRDWAKDKPSFLITGGVH
GYETSGVEGALMFLETKAEGYSSHFNI VVAPCVSPWGYERIQRWNA YAVDPNRSFNPDGE
IVEGRSFNPEAATEESAALIKYLREDMKDLNGNQW

>comp8602_c0_seq1; 581 102 2420 LEN=3101; translated
MDIYNALNSGFQDRDNERGDGCS SDYQSCSEYDIQQRNHKMNGYDNTFNAMSCVDNKN
AAVLCINDEGDLESIGSSLVNTNENTNYTHNYGDNA AAVDFGGSDKSFRNTNAHPNSL
GNTMFP TmplHLAPSFQKRQTSVTSIATSCTSN SVTSSNNYEENYQQQRSDSPPALIGMV
PIEEHTKAEPNGFSSTSSSLMPSRLLSSLREL TSSGPPTNSINMDFLPTPINRNDVRKDK
SQQLQDTKAVDELLAYELNKL SFKERESINEEIHGIGVRNAGVDETPPELLQSSFRQLETE
LLNLRSEYAAFDRSQRLYWDTTYLNTEDFRIMFLRCDLFD CRKAATRLCKYATLMQEIYG
DFALQRRPCLTDMNALELKVLESGVYQILAGRDRAGRRI LINIAYDGP SGFDVQSRLRVS
TYIVMSVLEDVETQRKGLVGISWYVNSVDDFIIRGKVHKRIDCVPMRMGAMHCCIPSEP
KSARTSKSKSNINRLSSGMTQIVKAMYVLSVGPEVRPHVRIHSCSVVECIYALQSFGIHS
DQIPVNSSSEKLTQKQHSKWLELCLRKETCRDNCRRKFD SIIVCPNLTDVLFGRGRPIMR
HPGNAVLRSVVQSRLEEYINAKTKKETTDVTWSVVRILKGYGARFLKEENIESNGLGWV
EVSNETARQKVRIFA RDLRTRMTKTNKANVKSSEIHL LNETSNSDGRKSTLQLPDFETS
GDGNFSQETSSESRSGLQVKEIDSSTSTFLGMDGTNMKRQRLNECFDCGDRE

>comp8602_c0_seq2; 488 102 1433 LEN=3209; translated
MDIYNYALNSGFQDRDNERGDGCSDDYQSCSEYDIQQRNHKMNGYDNTFNAMSCVDNKN
AAVLCINDEEGLIESIGSSLVNTNENTNYTHNYGDNAAAVDFGGSDKSFRNTNAHPNSL
GNTMFPMTPLHLAPSFQKRQTSVTSIATSCTNSVTSSNNYEENYQQQRSDSPPALIGMV
PIEHTKAEPNGFSSTSSSLMPSRLLSSLRELTSSGPPTNSINMDFLPTPINRNDVRKDK
SQQLQDTKAVDELLAYELNKLKSFKERESINEEIHGIGVRNAGVDETPPELLQSSFRQLETE
LLNLRSEYAAFDRSQRLYWDTTYLNTEDFRIMFLRCDLDFCRKAATRLCKYATLMQEIYG
DFALQRRPCLTDMNALELKVLESGVYQILAGRDRAGRRLINIAIDGPGSDFVQSRRLRVS
TYIVMSVLEDVETQRKGLVGISWW

>comp8603_c0_seq1; 743 204 2438 LEN=2618; translated
MTKEDLIDGDVGVEREYLPSEGQLTLLCLDYLRDLRRTYIDPQDLLDSEGLHADWLTALAI
YALNRSFSMQGLKIPRGKSKDELNVNQNVTMPVFNDSWMDSHRVLTDASPTQEEMMN
PTSSPQDFSSLPTLNEMTRQILISKSPGEQQGEEEEKKEEYLDYAKYVYDDAHPNAN
RFYLLDGLAGSSNGRGPLLLGEVAAAGLSQLRGRARLVAEDEMVKTELFQFVWAVEGKG
FFQDPEHETPRDDPQQEEERVVLQKAVYDERMGKVVSFRSKLASKIEIANAEDPNQEVK
TISEMTCLADYHHRMRKRVILARKQKPDQSQRVAPSPKPPASSMPPTAEREEPSVAEAK
SRAQAERLKSNGTYMOKKKYDDALECYTEALRLSPSGPQSHVYFSNRAAALLSMKKFDK
AILDSERAIALAPSYGKAHARLGLAHFLLGDYRPAEAYTVALKYEPENKSSKSYLEKAA
KKLAAMGQPDVPEPGATLSYSGVTEWEKSNKIEKEIGKTSSTRRGQSGKQNRKPDNLGM
SVEAAEKHKNLGNVQMAKRDYKAASESYSTAIELSPDGPQSHVYYSNRAAALCYLDRYEE
AVRDSEVAINKPTYGKAYARLGLSKFFMSDYAASIEAYETALKYDPDAAASKSYLAKAR
IKLERQQKEDDLSSFNVSDEARRLMADDDMMKMAKMLKNGNQSSQTDMLNDPEMKQFA
KKATKDPMTMEAFRNMHTVNARDF

>comp8605_c0_seq1; 409 116 1340 LEN=1411; translated
MSPLSESRQKGSRYHKVDDDDYDNDCSMEYAQKLNNAAWCIEIGYYERAIQSLQEALKYS
QKQSDERLVQICRCNECILDGGIDFSADFGIRIGQSRGPKVATRGTQGCNDDESSDEEDDH
ARNSCDFDEEHIANLTKSISQPKIQKVARGNRSNGFGSGTNASWSIKDEYCDVHLKHKV
QEIYKRPPIRVFREGHSMGSTLFLVLSFNLAALAHLEAASSYSHSRHPKSACKALLFYELA
WTDEQRILADPDNCWDSLSSVRFNTILNNLRLQILPILSEKYLTVADLLLSNVSDSIHIG
TKRLGNRKPSEMSTTRKSSTRRSGTSSREGGKSGSLRSKSTPTSAKNKLQALALGDMSP
LTPEKGKVKISIGGMPQRRATAATPVVVTSSREAEVAAGTTDSNKLDF

>comp8606_c0_seq1; 41 1 883 LEN=883; minus strand; translated
XSFLFYTSNSFLVSYSAAWSPASVPAGQGGSGVPTRNDAWGSPPLRRAPVAPGLAPPVP
FRPARIRHPEPPVPPQEVVHAGVGGGRKVDARGADFDPPDRPFPVGRNSDALARTEVLP
GDEPEPPAGTAPRRRPLAAAVRGPVFGGQWGRGRPCRAADPAKRRLVEVFLEPVHGHDR
GSQPREGREPVEGRPELQEQAGGFDDRGDASTAAGSDLPVGEAASRSRPFRRSALRHGGF
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>comp8607_c0_seq1; 778 236 3350 LEN=3473; translated
MTTLLSTSSSLFTAKGLFLLQLVILCLTKLQKGVIONHIFVNCASNNVVFSGRNRGVTNNG
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FGIDLYYGQEDGLFLGVIKGAGTYQEGRGSNGYLLDEEVASDEEKYMKRLYFNKCLDRET
GISENCTLKEDEDYVSCVNSCKLAPCPSSVEGEYNNTSNSSSTIYCPTYEILQAPTSGMG
YIPRYYYCLSNSGRFIENDPPNSVESPSHIRNGLCTHTDGVTLVNGRTSEKQTYAMARR
NYVFLREYDDGMAENYTSNNGDEAAALLYSDVAIADGQKTDQVFGVGGYHSRRYEPRLRPW
YIGTRELQNAFWTKPYPFATANDIGITYGKPLYTDPDTSKAVFRGVIAVDYDLEEISRF
LIDVFLAVEDQSEETSMDNRYSSSSGATVLIVEDDGPHYIGSSTGSKAAKKVRVEDES
IDCDDDEIWSGDIECKTVRSTPEDFSHNNTSRNQNQNGVTQDAIILALAFKAQKEAGFPKE
LVVSSPREEGYSYTNADGNSNFYVSQSLIYEQLLEGQNLRRWIIIVMPVAVATNGELLWGD
PMTAVVLTVALLGFICIVLFYIYFSKRKALHVMSDWRFTSAFILGCAMLNLSTLATLG
PASDGXVHVDNVVLPGLCTGVRTSTDKSVEDTQASWIGRPGPPVIYHESKSNALYAVSE
SIAMQLIFVIEILILGLYAANTLHHLFDHVFARPIIMVQVLLLTFLSILDPPVKHSYVDI
DGSSSYEITMCKPGTKAMFITMVFEGLVVGCVLAYMTRNIGSAFGEAKQLLFAMYNF
ALGAVFIVLVGFFLNIDRNTMYVIAIGVFWATVVFSCCAFVLPRLQLQVKRDSQTRRSSLD
NFGKSYSFYASGSKRFTGSAAGVDPVSLVSSSGSGSFALKRRPSSSVTNRRSMNSGFEFE
VERTGESGGDTVPLPEMADVLRHRCSSDSDFIEFISDVEKKANEGPTSTNDSTNASDDGLQ
KKEEPRETSCARTEASV

>comp8607_c0_seq2; 866 236 3241 LEN=3364; translated
MTTLLSTSSSLFTAKGLFLLQLVILCLTKLQKGVIONHIFVNCASNNVVFSGRNRGVTNNG
GFNYEIEKRVHERVSELMNKPVTMLGLVERFAQTDIFEPVLRPHQKDDFFRILWTIWKE
FGIDLYYGQEDGLFLGVIKGAGTYQEGRGSNGYLLDEEVASDEEKYMKRLYFNKCLDRET

GISENCTLKEDEDEDYVSCVNSCKLAPCPSSVEGEYNNTSNSSSTIYCPTYEILQAPTSGMG
YIPRYYYCLSNSGRFIENDPPNSVESPSHIRNGLCTHTDGVTLVNGRTSEKQTYAMADRR
NYVFLREYDDGMAENYTSNNGDEAAALLYSDVAIADGQKTDQVFGVGGYHSRRYEPRLRPW
YIGTRELQNAFWTKPPYFATANDIGITYGKPLYTDPSTGAKVFRGVIAVDYDLEEISRF
LIDVFLAVEDQSEEEETSDMNRYSSSSGATVLIVEDDGPYIIGSSTGSKAAKKVRVEDES
IDCDDDEIWSGDI ECKTVRSTPEDFSHNNTRSNNNQNGVTQDAILALAFKAQKEAGFPKE
LVVSSPREEGYSYTNADGNSNFYVSQSLIYEQLEGQNLRWRIIVVMPVAVATNGELLWGD
PMTAVVLTVALLGFGICIVLFYIYFSKRKALHVMSDWRFTSAFILGCAMLNLSTLATLG
PASDGQCMLIMWSYHLVFLAFAPLLIKVWRIHKLKLVGSADRALRLSITNRKAMLYTLP
MVQVLLTFLSILDPPVKHSYVDIDGSSSYEITMCKPGTKAMFITEMVFEGLVVVGCVL
AYMTRNIGSAFGEAKQLLFAMYNFALGAVFIVLVGFFLNIDRNTMYVIQAIQVFWATVFS
CCAFVLPRLQLVKRDSQTRRSSLDNFGKSYFYASGSKRFTGSAAGVDPVSLVSSSSGGSG
SFALKRRPSSSVTNRSMNSGEFEVERTGESGGDTVPLPEMADVLHRCSSDSDFIEFISD
VEKKANEGPTSTNDSTNASDDGLQKKEPRETSCARTEASV

>comp8608_c0_seq1; 320 1 807 LEN=868; translated
HNREAERSGGEDIKIPFSRSASLLFFDLDLPPVSLTALETGEEAKPKYSTMKTVSRIATLM
ALACVGVIVTEAFQQRPHNKHITASSTSLYGYVPSGFTPEEYKFKKADEAKKAKAKKNLG
GLGPRGFKSRSMQSFQEAEMERGEATHLMPVFNAKEKVRKGE LRPEDIPYMQRGGNWDNTD
VKGSKKKRWLKSDDKDYSDGGYKKEQSVSIFGQGGQLDWTGKRGRSGPSETVVGAAAPKFGK
NYKAPNVSSLLKGGKKDEPKKKKNMFGFF

>comp8610_c0_seq1; 422 114 1166 LEN=1505; translated
MALRSFRLGVASGLLALSLSLSTTKPWASAFVTPVKRSSVGARMGLPQKQLASFPLAMAS
KKTQTLVCPDECLTEDGDEYEDSIRTSVSTENDNSEALSVVVAATSTTIMGLAALSEAA
NAVSSIAMPKELTQSFDPNSFVVPVCAASDGFYRVLQSTAQTVVGRENFVEYGPLIASGLL
RVRLELCVVESEFFNEAVGPFISQNGLSWVLPHEHETVETFLAGTVFALATTFILVGSTKLL
TVIFTYADFFVGGPLRLFGGFFDRARGKPVILDVGLGPFKTRVIGPKDDGEGDAKKSDF
DYSVDFNSVNSAELPVVIASGGVKFVGGQSIGFLREVLDAIDLFGKSLILW

>comp8611_c0_seq1; 543 41 1808 LEN=1808; translated
MPEVYDPAITGGNGFRSRRRRRKRKFSVGNNSNSSSNGNGNARSNTNDLRVSNSTDDPLSG
LHSIPGQKPPSIPKSGCSIKNRQHRDREQHNGTIKTKPKTKPQAQEHTHSALRSDPLEF
DDCTDGNVSTSSDNTMTRNKAIGASKQRREDARESPFFSPSAMHKAVVTTKQTADRNI
ATVVNVSEIDAIGTGDGTALADSTTMDGASAAGPSFDHNYAIALDTRYLDSPSGRDDWNH
LRRGVQEFRLSTFRRRRGSVSHIAWTTSSSTRGTGSDGFCNQATRKTTRIVGNSSGGATR
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AICDDCYKRNQSTAAVPPQPNTRNKSERSPSSIRTGAEITSPRIAIFTSDASAFLDNRVPG
HQRGIDAFWKKIHGQPQQAWRKTRIQSVEIVVVTGETTVRVVQQPNNDVKDTNLPNSQD
GKDQKSESRVADGSEADNLHNMEGANTNYIYSSSVRDPNDSDESSSACGVDDKRL
DAIVHTLNRHIENKAEQDFKANRSRIQFDPGFVEHYSRIDIALSIVENSX

>comp8611_c0_seq2; 390 41 1096 LEN=2030; translated
MPEVYDPAITGGNGFRSRRRRRKRKFSVGNNSNSSSNGNGNARSNTNDLRVSNSTDDPLSG
LHSIPGQKPPSIPKSGCSIKNRQHRDREQHNGTIKTKPKTKPQAQEHTHSALRSDPLEF
DDCTDGNVSTSSDNTMTRNKAIGASKQRREDARESPFFSPSAMHKAVVTTKQTADRNI
ATVVNVSEIDAIGTGDGTALADSTTMDGASAAGPSFDHNYAIALDTRYLDSPSGRDDWNH
LRRGVQEFRLSTFRRRRGSVSHIAWTTSSSTRGTGSDGFCNQATRKTTRIVGNSSGGATR
ITCEWSPNENELDAILSSKIQGFPRPPINDGNTKNRSFVHLPKGLMANDSW

>comp8612_c2_seq1; 136 1 847 LEN=847; translated
XPGLEAKKRRLRLNRNRRRKRQALAI GCGVLLGGLVYAVVRYSSNHRSIAPPEHGI
GNRPTTVADGEIPSEPPTARRQEAPLGTGDSRAGKDQHMQDASADSRASASDRPARGLS
SSSSIGKAERDPTNADAAMKTAAGIILPRVNQRLDPSPPSRDKTALPGAGAGKSPGPRET
VRSTGPPHGSTAXSTEGGARGQKGTTPQDAAWAGGRERDPPCRAAGIDPREAGNDPPGSP
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>comp8614_c0_seq1; 378 1 1498 LEN=1877; translated
RRAYRSVRIEIVVVLDKHPKEYYYRHHTTTHHNASNVPAATLAVRGPLAEAI EAPVRG
GQDVGLSPGGPDDPAEEHRPAQAEPPRGSGAPFAGGGLPAGDRAGKGNKDEYENDDDD
GPPEQDALALRSDEPGNANAKSNTRHQEQKKEPPGGGILVKSNSNRLKIPTPTWHAPW
KLSTVLSHLLGWVRSIAMDPTNDFATGSADRTIKLWDLAKASVGASDALKLTLTGHI
SPVRGLAFSDRHPYLF SAGEDKMKCWDL ETNQVIRHYHGHLSGVFSLKLHPTLDVLTGGR
DAVARVWDIRTKTQVHVLGHNDNTVASILARSTDPQVVTGSMDSTIKLWDLAAGKCMTTL
THHQKSVRAMVEPSFENTFVSGAADSLKYWQAKDGRFLKSYTGHNNAVNALAVNDDGVLV
SGGDDGSLRFWDYKTYNFQSGT SIVQPGSLDAENAI FCTEFDGTGTRLITGEADKTIKI

WKADESASEMTDPIDMVGW

>comp8615_c0_seq1; 382 1 996 LEN=996; translated
XLSQLKSREIAPAPMEPSKQEPESGDTKHEKVGEGVDLGLQAAKMGVCDALCSLANSATT
LHPTTIRTPAATHLATNSMSVSVPGSQLRMHGFLPPPAMVPAVLPVAVQQPPQLIAPTTTI
SSGANTTTITASKITSSGTSNGKSSMKEKACPKQHQLPLFLSKTYHMIDRCDPDIATWSP
TGDNFVVKVNEKFASAVLPMYFKHSNFSSFARQLNFYGFRLKLRSDPILTNDIDPQTAAYV
RFYHEKFQKGRPELLHLSIKRATKSDQQSKDDVDDLKSQVLKQCVVDMSTQMERKLEI
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>comp8615_c0_seq2; 280 963 1461 LEN=1461; translated
MIDRCDPDIATWSPTGDNFVVKVNEKFASAVLPMYFKHSNFSSFARQLNFYGFRLKLRSDP
ILTNDIDPQTAAYVRFYHEKFQKGRPELLHLSIKRATKSDQQSKDDVDDLKSQVLKQCV
VDMSTQMERKLEINEENTRRMSYLTAHYEKLAALVSHLLQQQQQQX

>comp8616_c0_seq1; 1263 236 2640 LEN=2714; translated
MDPRKNGRKNRKRNRNICILLFIASHLVVLTIAVSVTATVDGEENDSGILPDEEQEIN
APVSSHDLGESGGVQGTASNNDDATNLSDLSPNDMTAEVHSSISPNEPDAVHDGDSST
SNSNTETNPEPSPNTNSEEQHVKSEDEAGSFEKTTAKNVEVEKKNMEGSIRGQSAEDDI
KPVEDPPPSSKRREVSDVQKKTGMPAKNQEVENKETKDESSESASPSSSEPIVSKPEE
VQKEATANEEEEEGKSAEVSLEGKSKAVEPETEKEIGGDDSTPVFTDESAGDASSAGDSS
MKNVGAEDDDHEVSENA TLDDDEADKPVELQGGDQKEEGEEKIETKKVQEKATIDEEGV
DKPIESPDRQKEEGKEESDTKTETVDSNETPPMVQPKESENTE PGYPVYESGSDSDSDSV
IDLVDVDPDSEAKNTLPEETKEDQTEESGTDSSSNMVIKDKQDDDDSNNGGNEKVQETSS
PGTSDPTTDEAPSATAANSYRGE PWGQYRLTRRLPDMELLRLVFENTKNGAGNPGNGDSX
EPAGLENWQKNPLYDANSAIDTEKRLDEPLIGEEADSEFADYRSRLGENKIAGGVDINS
GNKNNNEGNTKQKEKIKNGTINQSNDNSNNVDVNAEFVEGLDDIDDDFFEGVDPPELDVG
YGSSIQDVLMDKGKHI LLKIRGAAQWIRIGWQGVVRNLEERISQFQLPLQKLQGTINSS
SAAEASNSTPQSEGRGDTGSEGMKEKITSAWKTGKRAFEQMSDWVDGLLDRLDRSQGDS
ATFDDFNNFDLNLKLSASP

>comp8617_c0_seq2; 159 208 540 LEN=1110; translated
MAMNRR IARNKAVPFFVLHLADARFKALFTVPSGMAETLILHPILCRGGSFDLTIDLVS
QNDSMQSTSTSF LSTEFSSSYPEETARAIAERIAIRQEDPSPAVSHLFR

>comp8618_c0_seq1; 802 163 2712 LEN=3037; translated
MSKTKSTTAKGRDKSDAEPSSSKYLVLISKRFVLLSLLSCILAAFAVGRTARILLVNPQ
KVAIQAYNDQVTGQATKKSPAAMKTLDPDPTMRDGKVPPE TLTYTSKAFGSGSTTSSQSRWI
VTEEGRENCVDLPEHECPAPPSPNVDEGSGDDEIHLPAQOHLMDIENVDGIFLNSEERL
AHAMLELVGECGLTLLSYHCHKMVP MGVS CAGV LLESHVSFHTWPTEGVITLDLYTCGPN
SLLPIVPMAMDLFGVPKQVVDGKEFKAPNTVWAHKTRGFPSGDLASFTA EISDMEYFPVG
KMTDFKTEIAATSTNFQQIRIYDVL RPTQQNLQNYQKSM TNDG SYESRHP ELFEPDRIVY
LDGVLQSRKSGEAYHETLIHPSMFAHKNPKRVAIIGGEGASLREVLKHK TVEVVYMI E
IDEMMVNVRKYLPSWSDCSTLAGSAESC FDDPRVVVQYIDAFQWFIDNFPADGPPLVDP
FDIIVMDALDPQIQKDFVNALYDEGPFLKSI PHALSSDGIFISQVGESSASEDPPEVQTQ
DLNRWRLIQSLRSLGFSTIRSYVDNSHSGFSFPWQYIAAFKSDDTKAEWLSNP SLTELKI
RKRAMVTVDGKSPFQFFDGATMQSYYPSPKVELVYCRGHPE SRNCKE GHGFD SNRRNVP
ISAVAVRQSSIGEKAGRGVFAKIDVPSDSYVGLEKQIHSVEGDAHAYDLILKMNSQFGDK
WSASVLESCIHDAEISSRS GKESFVIDTTIKSFANHDCDGNSNF GFDVGV SQFTADPKR
VAQEIMERYDEGDVIYNPASDRQTNFYARSTPLRDINEGEELFDNYLGM SGKNTESWESS
VSDLRKICE

>comp8618_c0_seq2; 470 163 1632 LEN=1750; translated
MSKTKSTTAKGRDKSDAEPSSSKYLVLISKRFVLLSLLSCILAAFAVGRTARILLVNPQ
KVAIQAYNDQVTGQATKKSPAAMKTLDPDPTMRDGKVPPE TLTYTSKAFGSGSTTSSQSRWI
VTEEGRENCVDLPEHECPAPPSPNVDEGSGDDEIHLPAQOHLMDIENVDGIFLNSEERL
AHAMLELVGECGLTLLSYHCHKMVP MGVS CAGV LLESHVSFHTWPTEGVITLDLYTCGPN
SLLPIVPMAMDLFGVPKQVVDGKEFKAPNTVWAHKTRGFPSGDLASFTA EISDMEYFPVG
KMTDFKTEIAATSTNFQQIRIYDVL RPTQQNLQNYQKSM TNDG SYESRHP ELFEPDRIVY
LDGVLQSRKSGEAYHETLIHPSMFAHKNPKRVAIIGGEGASLREVLKHK TVEVVYMI E
IDEMMVNVRKYLPSWSDCSTLAGSAESC FDDPRVVVQYIDAFQWFIDNFPADGPPLVDP
FDIIVMDAL

>comp8619_c0_seq1; 317 80 826 LEN=1068; translated
MTGTEANKTKEPAAAVLTAEETTNPQNPEKQPPVAEQGLATSAPTATANAESRKRKRSTG
GANALQEAYAKVSFAPLEPTGRPD RPDFFSSSYTVVDSNNGEGTDGQVCAASV SIEVRQ
IVHNHVNGLCMVTVGELSES LPPSMEVKSIRFLAGEAPP CSNAKRKRQAQMLRGKGTIN

RTTGVEPSTVIAELVVGMKLANDTNDNDTDDIIIVPLRACVWGTILELNTNLLSKPRILL
DDPLLDG
>comp8619_c0_seq2; 269 80 892 LEN=1289; translated
MTGTEANKTKEPAAAVLTAEEETNPQNPEKQPPVAEQGLATSAPTATANAESRKRKRSTG
GANALQEAYAKVSFAPLEPTGRPDRPDFFFSSSYTVVDSNNGEGTDGQVCAASVSIIEVRQ
IVHNHVNGLCMVTVGELSESLPPSMEVKSIRFLAGEAPPCSNAAKRKRQAQMLRGKGTIN
RTTGVEPSTVIAELVVGMKLANDTNDNDTDDIIIVPLRACVWGTILELNTNLLSKPRILL
DDPLLDGYIAIILPSGRFPPLPNYTTSSND
>comp8622_c0_seq1; 848 1 1437 LEN=1453; translated
FYPVDRPQNSKTSKMGKQPQFNPVRDFISGAIMAATSVPQLIAYAETVGYASYRGLATAGP
PLMAWGFVTGGPFMAGVTSITALMAKSDLNGEAYMAEHGEEAYVELVAAYSPLYVGIASV
FLAVVGFGLAAYVPKCVATGFKWGCALGVLVSALPNGLFDRGSKQVKS LVADDAIFGGF
VSAIKASAPQATGAVNVTGFVYSLTHPTQWAI VPTIMFVIGTWFVVMNGKKILPKALPPGS
EVI IATAAATMYSMNFYSSGGVGEIPALDPDAGIAVPGTDLKIPVGVLDYSKVLEAPVA
ERMGGWPALAITSLFAGVNFLSIMGIASGFESNGIPWSAPRELIAQGVACGVASVVG
APISGSMRSLVSRMTGTTSQLACILTAI IWIVAMPYMNIMSATPKAALS AVIVSAVVK
VMPKSLMALKGIDFAVWGTA VLTAMTSPTLGFSGGLILYLVT KPLQPKAEKSLKDD
>comp8623_c0_seq1; 399 1 1326 LEN=2392; translated
NNNNNNRRGTPNSGRGASRWDHLDAPRDGNDRGNRNRNRGRFGFDANSNSNSNPNTNGNR
SHQEKVASKGNKPTASRWANVNRS AIEAGSSGRSPGRSPPRFGARQNHHSNRHPNNSQH
VRAVFFGDSFIKLFGLLNDYSDSVLRKPRTIEVHKYKAASAKGLCRDGNENRACIRRVVD
RLQQHQYPNLERLVFCFGD VDVHMSYYYKFFVVGQALTE TDLEAIACDYVDFVAGLPVPE
PASLRRLVVG IYPSPLGDGDVGASLKAYGSLDTLEQVEAVNASDDRKM EARQARVQLFND
ALRERCAHNR IAESQGRDPVLEYHDVQDELLTTTTI SAREDGSPDDSPREVVVVVRDAYR
DVSDLN IHLIHETT LQLWVEKWPYKALTLPPEERHRRPPP IGFVEYLQKTFDEYRKT
PWAERTHVAETMGVQLPPSSS
>comp8623_c0_seq2; 399 1 1326 LEN=1982; translated
NNNNNNRRGTPNSGRGASRWDHLDAPRDGNDRGNRNRNRGRFGFDANSNSNSNPNTNGNR
SHQEKVASKGNKPTASRWANVNRS AIEAGSSGRSPGRSPPRFGARQNHHSNRHPNNSQH
VRAVFFGDSFIKLFGLLNDYSDSVLRKPRTIEVHKYKAASAKGLCRDGNENRACIRRVVD
RLQQHQYPNLERLVFCFGD VDVHMSYYYKFFVVGQALTE TDLEAIACDYVDFVAGLPVPE
PASLRRLVVG IYPSPLGDGDVGASLKAYGSLDTLEQVEAVNASDDRKM EARQARVQLFND
ALRERCAHNR IAESQGRDPVLEYHDVQDELLTTTTI SAREDGSPDDSPREVVVVVRDAYR
DVSDLN IHLIHETT LQLWVEKWPYKALTLPPEERHRRPPP IGFVEYLQKTFDEYRKT
PWAERTHVAETMGVQLPPSSS
>comp8623_c0_seq3; 399 1 1326 LEN=2250; translated
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SHQEKVASKGNKPTASRWANVNRS AIEAGSSGRSPGRSPPRFGARQNHHSNRHPNNSQH
VRAVFFGDSFIKLFGLLNDYSDSVLRKPRTIEVHKYKAASAKGLCRDGNENRACIRRVVD
RLQQHQYPNLERLVFCFGD VDVHMSYYYKFFVVGQALTE TDLEAIACDYVDFVAGLPVPE
PASLRRLVVG IYPSPLGDGDVGASLKAYGSLDTLEQVEAVNASDDRKM EARQARVQLFND
ALRERCAHNR IAESQGRDPVLEYHDVQDELLTTTTI SAREDGSPDDSPREVVVVVRDAYR
DVSDLN IHLIHETT LQLWVEKWPYKALTLPPEERHRRPPP IGFVEYLQKTFDEYRKT
PWAERTHVAETMGVQLPPSSS
>comp8624_c0_seq1; 90 1 344 LEN=433; translated
XNSNSKANVENALPESSHGGATIAPVPRQRRHNRRETPEHRHRQRQRRRGK LFFQG
KAQPAALERLLPCRKGDPPKHRAGGRRTVARYATTPALVPGQPGGTKPVERRS
>comp8625_c0_seq1; 287 466 921 LEN=1645; minus strand; translated
MKSFRTKVAVGFIAAI ITIADASTILGGMRI LKVGKDKSKDSNYSPSMPRTKYPTM
SPMTADKSPKTSKSPKKAADSKKYNRSPAPTTQPPGTPPTSAPETPPI PAPGTPPT
PPTSTPSSDPTSEPTAASSISPT EATSIRST
>comp8628_c0_seq1; 314 375 1788 LEN=2287; translated
MSSSGGDFRAWVEETEDGGFV GSEQILSHCADDIDENKGRVLIKVTHSSLNYKDALS
ASGNKGVTRKFPHTPGIDAAGTIVGDPNSNYNASALVTGYDVQLQRAYMKGNGTDALYYV
YLFQRNRVWVTITGKLAESYSSDSITGKTHHIVFVLLGFDXVLIILMP SLLGYVCTISE
SSPAIYIAWIRSLPATHIYFATLFFVDRLDQDLGMNTDGGFGEFIRVPEWIVTPNPFAS
GDETDHEAAAKTSMVYGTAGL TAGLSVQKLLATGKADPSDGKVLVTGATGGVGSIAVEIL
AKIGFDVVALTGKREETDKLMELGASEVVGREALEPTKKPMLRPLYAHAIDTVGGSP LAE
ILKQIKHGGSVTACGNVAGMALETNVL PFI LRGVQLLGVD SVEISLEEKQSVWEKLSGEW
RCFKSEAFAKEIGRDGLDES LKCMLEGNASGKVVLVHRLTADSSTSHSKL

>comp8628_c0_seq2; 371 375 1454 LEN=1953; translated
MSSSSGGDFRAWRVEETEDGGFVGVSEQILSHCADDIDENKGRVLIKVTHSSLNKYDALS
ASGNKGVTRKFPHTPGIDAAGTIVGDPNSNYNASALVTGYDLGMNTDGGFGEFIRVPPPEW
IVTPNPFASGDETDHEAAAKTSMVYGTAGLTAGLSVQKLLATGKADPSDGKVLVTGATGG
VGSIAVEILAKIGFDVVALTGKREETDKLMELGASEVVGREALEPTKKPMLRPLYAHAID
TVGGSPLAEILKQIKHGGSVTACGNVAGMALETNVLPFILRGVQLLGVDSVEISLEEKQS
VWEKLSGEWRCFKSEAFAKEIGRDGLDESLKCMLEGNASGKVVLVHRLTADSSTSHSKL
>comp8628_c0_seq3; 286 375 1046 LEN=2205; translated
MSSSSGGDFRAWRVEETEDGGFVGVSEQILSHCADDIDENKGRVLIKVTHSSLNKYDALS
ASGNKGVTRKFPHTPGIDAAGTIVGDPNSNYNASALVTGYDLGMNTDGGFGEFIRVPPPEW
IVTPNPFASGDETDHEAAAKTSMVYGTAGLTAGLSVQKLLATGKADPSDGKVLVTGATGG
VGSIAVEILAKIGFDVVALTGKREETDKLMELGASEVVVSGAK
>comp8628_c0_seq4; 229 375 1380 LEN=2539; translated
MSSSSGGDFRAWRVEETEDGGFVGVSEQILSHCADDIDENKGRVLIKVTHSSLNKYDALS
ASGNKGVTRKFPHTPGIDAAGTIVGDPNSNYNASALVTGYDVQLQRAYMKNGNTDALYYV
YLFQRNRVWVTTITGKLAESYGSSDSITGKTHHIVFVLLGFDXVLIILMPSLLGYVCTISE
SSPAIYIAWIRSLPATHIYFATLFFVDRLDQDLGMNTDGGFGEFIRVPPPEWIVTPNPFAS
GDETDHEAAAKTSMVYGTAGLTAGLSVQKLLATGKADPSDGKVLVTGATGGVGSIAVEIL
AKIGFDVVALTGKREETDKLMELGASEVVVSGAK
>comp8629_c0_seq1; 159 1 472 LEN=531; translated
XSSNNNNNKDTCFTTSATDVDLRQFFMSNQSSSLQVTTTNAQSSDLTPLMGQAQEQLT
RKVSLTQWENGPVAAAVIKSALQAQEVASRQQGSNNSSSIDFGILESMLGKKLRRRCSLG
FIRTGTSGMSRRGSLLDGDEVCFGNRKFYFTATSEY
>comp8632_c0_seq1; 2116 180 8153 LEN=8362; translated
MTTPSAFLIGVVFALGCQRRQPVATAQSDGNFWS DAGASSNEYTVNSVIARTDTSSEASR
KILLDLYSATGGSDWTDSTNWIQQGSTDVCDWKGVSCYDGSYSPSRKGHIEQIDLRDNNL
GGTLPENIFDLPYLESVNFEFEGNPDLRVDLKGLSDAQFLRFLILSNTQVSNLEGVGNACK
LEVLHISNMKLDGMIPASLFNLPSLKVHLHANDNLFSGPLPAGIGQLTNLEELTLKNNELT
GQLPNELGQLSLIQLTLTNNAFAGTLPAQALEQMTSLRRLSIQRIPTVGSMDSVKGP
AGSIPAFRSHRRLTKLQLENQRLDGSLDSDFLQSPTEAVEVDLRGNVLTGRVPPSLLD
KRFLSLYLQAGNITNVPRQIYDAPTNTCTGIRDWMSGDVVSFGCQAFCLCPPGTWASQGRA
TSASRCQTCFNNNSVWGRTOCKSSISTTELERQILVNFYNALDGRHWKVDNRNWMELDEEV
CEWHGIGCDLSTRRVTSISLRNNGLSGMVPSDLFDLASLKS LNLESNQIEVDFTSVSKAV
NLESLDLTATGLRFVNTLQDLSSLPNLKFFSLASNLKGAIPFAIFQLTSLEDIDLAYND
FSGTSSRLGDLTNLRRFACDGAQMTGQLPTQIGLLAKLEEFLESENEFTGTLPKSLNSL
TNLRSLDLQOVTRNGVIGIGPPLSFTNMEQLQSLHLDNSLGTLPNSFLINSRRLQIGI
YVGLSDNKFQGTIPDGWSRFDELFLDLTGNKISAISESLCSKPGWMNGAVKNFQCDAILC
PAGTYSNVGYKTDENSSCIDCPGSASMGATYCGGKGSTDISSELNILLDIYSATGGDQWD
SADGWENSSSYCDRFHGVCECDGAGRVTVINLSNNNLKGTIPQSVFKNFLRELRLSGNPV
ELTFESIGEATRLINFLDKINIKTLEGIGNLNLQILNLADNNLDGTVPDDLRYISSLK
KLDLGYNLFSGALKDVIIGGLKSLES LHLHYHNQFTGRIPATIGDLVNLEELNLAENNFEGT
IPIELNDLTNLRFLSLQREGGILGTLDIGINQKSSFDGIGLTGPLPAFDKFRIFEMYL
GVNSLTGSIYPNFLGGVKNKAEQIKIDLTSNVLTGTLPASLTQFDNLSLYAAGNRVSGIA
DGLCQKSGWMSGDVGSFQCDGILCPIGTYNDVGRKNGDAQICQICATGTNGYLGSFDCLS
SSEVQEGSDREVLEKLYYAMDGPNWVDNTGWLDPDESICNWTGIQCDSTSAKSVSSIDLS
YNRLSNQLPSEIYQLPNLQELNLQGNAIMFTFNIRNAANLELLEDLDTGLTSLFGIGQA
GNLKLRLVDNNNFASFPESEVFDLSRLEVLSLSGNSFSQQQMPSELQSFNSMTYFACSGCG
FTGTLPGWLGSMQNLQYLKLSQNALSGSLPSDLERITTLKHLDSLQDQTLGWGLGGSLLS
FSNQTDLTLEYLQHNNEFEIIPATFLSNLRKNDLVTVDLRYNRFQGTLPQLGNIQNLNL
YVASNNFQSI PQSLCQTVWNNGDVAENGCDAILCPAGTFNAFGRETAGVDCFPDQQLSM
QKLGNTFCGSVLEHESLKVLYRSFGGPDWTSNNNWLVSDDHCTWEGITCWSSGFEFKGLVK
RIELPDNNLVGAMPFALIWQLEGLTYVDLQKNDISLPFAMIANAINLETIILSYTSTNSL
EGIGNAKSLKELHLTSAALTGMIPEELFSLPLLERLFLSHNQFSGTMSSGFGQLKQLKDL
YLLGNDLEGTIPTELGYLELAQLEHLSIGRNRLEGSIPRQITSLPLLQFLSLEGE SDPSASS
FASAGGLSGSLPALDGFPRIRELYLQHNSLTGTIPRRFLQGVHDKNVDIVDLSFNNIDG
SIPTELSNFEKLNLLLVGNEVSSVPEAICKNVGWSGGEVANS CDAILCPPGTFTNDGRQV
DSMNPCTCTYSGSARKYGSTMCPAGSSDSLDRNSILFDLYDATGGGSWTSSKGWKS
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STLTDINLS DSMLSGPLSKKVGQLTNLQRIALDRNSLSGELPDQLGQLKALKELEISD
NEWIGTLPTSW

MGMRALEGLFLNNNEKKTAGITGPLISFANLPNLRELQMSNNQLTGTIPSDFM SGIADTN
KVVRVRLDENHLVGTLP SALQSF SKLNIDVTGNLVTAIADGLCNLSEWNDGNVGRFGCAG
ILCPAGTF SASGRQTSSNDTCQPCPGEDESSPYLGVTTCLSLNKQREKDILTKFFQATNGK
DWLKNEGWTDPSDVC SWFGIECKEGSTVESVHLG SNFLVGSVPNEIFDLPNLKSLWLVS
NPVQISLEGIGNAGKLESLLL GSTKLQSLDGIQNGLSLVDLDVGFNQLSGPISSMENLV
NLESF GGAVNRFTGTVP GFFALRKIGAIHLGDNRF TGSLSFSRHPNLRSLDL SGNIEG
SFP SDFLESVDPDEKLFVDLSDNALTGSLPGSLSRVRDLTIYLRDNRIGGIDAALCASEG
WNGGDVRSFRCDGILCPVGFFAAGHGRASLSGSSCEPCPKNKYYGGSTCGGSAAAAPGPT
LALAPALAGLLLLVAWVV

>comp8633_c0_seq1; 184 420 1364 LEN=1847; translated
MIQNGTWESRPQSYTRHGTSSYANTQGAESLFRAGGNGNFFFYRTNGPGFGMQTPFPSK
GVDAPFSMDAFKSIYVQKVRVPLEDLYKGVQSFRFELRDNLFTRYKAAIRGKSMCYSLML
SFYACVPFIRSSKLLATVVGSIVLHATTPEPDRASYVTS LRKGAKGGHTNVKFS SPGID
HRPGIEIIFEIEEKEHPVYRRVDNHLHA EVTITSKQA EKGC RVKMNALDRSEKPIEITIP
PKTYSYEQQKQLKQKVSSSSSKAIYDNVIRIRGRGWPIRNTTHSDDHPDVYLYGDLFVTV
KVSKE SFKRRGKRG

>comp8634_c0_seq1; 403 1 1008 LEN=1172; translated
QSLTRIVSPGATHLAFAPTPCHSPNRKMLTDDNLLLAGIVSVVALVLGFLFVSMNKKKT
LPLDDFKPFPPLIRKTVLSHDTAEFVFG LPTPDAVLGLPTGQHISLRFYETDKDTGKKTQV
MRSYTPVSDNTTLGEVALVVKVYKAGVHPKFPDGGKMSQHLD SLKIGDTIDIKGPKGHME
YLGNGGNYWMKPIGRPKVTKQCDQF IMIAGGTGITPMLQVANYMFRRSNDNVKVNLLYAN
QTEDDILVRKELEALAKDFPDQFKLHYTVDRPPTDGSWKYSEGFISKDMIEKHCLFNGSS
KNTQVLLCGPPMLKFACFPNLEALGFTKNDWFAF

>comp8635_c0_seq1; 437 61 1238 LEN=1267; translated
MTHSMDILQTIASTVPATQTVGYSCMLTNTWSGRRHPEDYPSGMAHWSPPVLI AHNTN
VWSPGTFASPGVEAVAEGDTSLEGEYCLAEAEAGIAGDIVVGV SQANSLDPPQLLDAIE
LSPEYPLLSTISMAAPSPDWFSGIYNF SPLDEAQEYWYRSFVIASF PF DAGTEQGEFY
DNDPEPTHLSILQLTNETVPASGVFLDSTGT EVLPAVYWSCVLDEVEDDEVVPTDSGTR
RGLLKTEAMTQEKGATTQEKASTDKMGSQIASDKMKEQAPGKDTQPASDTICGGARRRRR
RNLSKQEATIEASSKGLRGAASQLDNHNS SMKRLQPLLVKRKREDYVSLCLGGTANNLIC
SSILKYTKYNLVPFKRKHGGVVAYECSQHATM

>comp8637_c0_seq1; 255 96 716 LEN=1129; translated
MFKTFDRSEVSTSSQVKASVQRG IKAGIASANPKITDEELD VLLPKKPLVQYKVGPHMM
LYCKKGDAEEGATPSDEPVFFQHRDGPILPTLR TIHKYPTLEFTSVTVDKGAIPFILGGA
NIMCPGLTKTGQSYMPPDGEEQDEQGF DLPLGLSKGDGVVIRAE GKEHAIAIGVMKMSSVD
IRSKNKGVGIELAHS LGDGLFLTEGL

>comp8638_c0_seq1; 215 1 635 LEN=842; translated
XSSKVFSPLNSFAGSTDSIMKHRTWPLFIFFVAILEKLKSAESSTASVTDTCKSSPDER
DCKNPDESPHPSKSDVINPKERFRVITQEELASKNGEDDS DIWLSIMGKVYDVTAGKSFY
AKGRSYGAFSATDCTVCFVSGIFSP EEA AKHTDELSDTMLPGVMEWADFYEAHESYK FVG
YLIDPRFYDEKGEPTENLIAFRKRISLLQHD

>comp8639_c0_seq1; 1015 1 1734 LEN=1734; translated
AKSKETTKATATKTKEATKEATKATTTKT TKTAKVTKTKSTDKDSDSKDGQSTASKDRKD
KLKKEKSKLLTTKAKSETNIADKTKAKPKKTLKKAETERLKPVPESDSL DKKV SFDGPKV
KSASADGASAKPALKKNKSKAKLEKQKSIKKKKTDAASVASAEDEGAKPVHADGEKERPK
KKSASSRNLLAGGATESKSAKSSRKLASSRNL AGDATKKKASSRKLASSRNL TGDASK
KKS SRKLTSSGNSTRKKVGTVSDDSDKVKDATSLPEALEP ISEPEKMEPISEANSTERT
VRTRNLSKSETSAETSEDGKGESNDPGPETSEPDAAID EKIKDEE EPKAE SAETEEAAP
TDDEEQAVETAETED EPAKEEELPEAQTEEVAKTAQAE EEP AVESAETEEEP AEKKEEPA
EAEAGEAPGEAATEEIVETA EAE EEP AE EIAETEEEPAKAETEEVAETAKAE EEP AEDAK
TEEEQAE EGV EPAETETE EEA EAVTQAE EEP E VESA EAEDEASDEKELTEADTEEVAEATH
VEEPEVESPETEDEQEETRQEEPAEVEETE EATEPKQAE

>comp8640_c0_seq1; 121 1 465 LEN=496; translated
XNNKIDYLYHQRLMSLIDL PFFLLVNPFTGK PFFNEVIFYHKPSKSLLLTTD VYWNYPQKD
GVPNSHLEGGNDDEGSAPPVQSIPLGTRLWKFGMDKIYLPFYKNLMVSDKQFYEEVIDIV
LNEWEPDNLIPCHGDIIRGKEKIRDELAKHFNL D

>comp8640_c0_seq2; 326 77 1154 LEN=1185; translated
MTPLTMFGYLIAIFIPIGTLSFSIDPSQTL LQRSSTTIKRGTYILRPLAAELNNDGLQSF
PTAGLFQNAKYIDESLANGDALEGIARAPGQTGT VLT PAAEGVYTGDRPFYWNKIDVGGR
MCVIRLDDGDLWVHSPVNLDPKTKTALKKLG NVKYIVSPNYEHLKYAKQWSEEYPEAFMW

GCPGLVEKLPDIEWEGEIPYGLMRPSESKKLNKNCWDFDIIVPLHLNMEVNPFTGKPPFNE
VIFYHKPSKSLTTDDVYWNYPQKDGVPNSHLEGGNDDEGSAPPVQSIPLGTRLWKFMDK
IYLPFYKNLMVSDKQFYEEVIDIVLNEWEPDNLIPCHGDIIRGKEKIRDELAKHFNL
>comp8640_c0_seq3; 291 51 864 LEN=895; translated
MKKFGTVLTPAAEGVYTGDRPFYWNKIDVGGRMCVIRLDDGDLWVHSPVNLDPKTKTALK
KLGNVKYIVSPNYEHLKYAKQWSEEYPEAFMWGCPGLVEKLPDIEWEGEIPYGLMRPSES
KKLNKNCWDFDIIVPLHLNMEVNPFTGKPPFNEVIFYHKPSKSLTTDDVYWNYPQKDGVPN
SHLEGGNDDEGSAPPVQSIPLGTRLWKFMDKIYLPFYKNLMVSDKQFYEEVIDIVLNEW
EPDNLIPCHGDIIRGKEKIRDELAKHFNL
>comp8641_c0_seq1; 207 81 839 LEN=1377; translated
MPLRKVPGSEYSPYGRSVVSTSSSFYKEDSSKERDDVGIHSQKIRRQNI FRRQSSQELGK
QESSSTDHTNLYPTSLHGTDSSSTANTSLSTEHTTFQKTVTFEKTARVKRIKPRHYYTEEQ
QREIWIYQDNDYVEIKKRAIETVRRMMKGAKSTIGFTDDDDHTARGLECRTRIAATERKEF
KAYARMLVLDEQEDQNGLGFKNDNRIRKMYLKASLVSSAKAQTMGQKDAEAANDISLNDV
LKLVRHEQNCSL
>comp8641_c0_seq2; 207 81 839 LEN=1238; translated
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QREIWIYQDNDYVEIKKRAIETVRRMMKGAKSTIGFTDDDDHTARGLECRTRIAATERKEF
KAYARMLVLDEQEDQNGLGFKNDNRIRKMYLKASLVSSAKAQTMGQKDAEAANDISLNDV
LKLVRHEQNCSL
>comp8642_c0_seq1; 785 1 2562 LEN=2803; translated
KIHAIVRVPIQQDRFIDNSIPRSDSIMPSSSSRASARKKRPSRDLSDSDSDSDDDEL FADA
FSASRSSIRRSARDAEAKKKRMAQMNALFDDGRIKLQRESRMEIHRNSDLLRDNDLE
KKQAAADTHSESDGDKPGNEKSDSQEDHQESYYGNLQPVDTKETLCLGSRRTLQLSNVM
ISSSLGPGNKSRCACTTAWSSFDALDFRLLLLINQQQITTSQFTSLREELLQSR
VTKSQNLFRMYLKEQLMCKQENADRVKRI PVDILRWLMSLACGPMARGCSIGNSGNSSSS
SKNNQMNRETGMTKQSSTGRTKKVAEKENSSRTTDEASLRIWSDAKLGCYRRTLNLWS
HGLGFPLQEEENKEVYLLSLSALSQQLCQWFGSTLPLETRRENKGNENADNRIGNAVSE
VRPSSSPSTSPATGLVGKNNQGSIRLVNDRDALSHFLELWALALRQQNYNSMIENNVFLV
DFCYDKNDREGFQRDICTIVAVLWVGLDPAFASSDSAKDDCNRSIQTI IQCLLDRVRWE
AEAHDQSNCSKDGVNVSYEQCLERLSERICTTWSTKLGRGLKGTDAYDDDQAWLSLART
VAMLENMDISFEDENDGQHRTISSLKDFQLCLCESILNRAF SYKHDDRKNRNETKTETS
NTDNWVPSRVKEEMVKLGIPDEARSSQSWKALALACIGLAKLAIFFPEREASKCFATMHI
CTVCFRLAVVDLQKTIKERCLNETKKEDFEENENVQPSNKS DTDADSSSVTDNNILEKHA
LYDAFERIESLTQMISSRTRVLIMQNICYPWASHMAETMRTYARLQKGEFTPAFLKDTPL
KQQA KINAFNNS
>comp8642_c0_seq2; 347 1 1043 LEN=1284; translated
XFHVSYHFNGSAKDDCNRSIQTI IQCLLDRVRWEAEAHDQSNCSKDGVNVSYEQCLERL
SERICTTWSTKLGRGLKGTDAYDDDQAWLSLARTVAMLENMDISFEDENDGQHRTISSLK
DFQLCLCESILNRAF SYKHDDRKNRNETKTETSNTDNWVPSRVKEEMVKLGIPDEARSS
QSWKALALACIGLAKLAIFFPEREASKCFATMHICTVCFRLAVVDLQKTIKERCLNETKK
EDFEENENVQPSNKS DTDADSSSVTDNNILEKHALYDAFERIESLTQMISSRTRVLIMQ
NICYPWASHMAETMRTYARLQKGEFTPAFLKDTPLKQQA KINAFNNS
>comp8643_c0_seq1; 958 493 3282 LEN=4606; translated
MLVKTAMSLSSFLSLLAFYATVLPPIAADSDAHRDLQLERRIQSLEKLVETQNVAI EGL
LRRGLETSDDGCLPKRNEQNVCFEKGVEFSYRNSDLVFESSTVRFTGPIQDLNAIGKTG
MTNQTTYAFSSQVIFDSTDV RVENSNTFTA EHDYKAFQKNETQLRQHYGIVMNNTEMA
LNSRLVVTGPDPRSVNQSLYDDL SYNLFS SIGFSYNI TVTDSNVAFTKNTPTSETADS
TVVFNHSKI LYNHSEVKMHASKTSASDSSI SYGKDTYVQWFGSSSTAYFTDGAELSVEDS
NVRLDQTTLELTGNNGKLVSRVDTDIRGPDSDPIYFTVSRKVDVSYEQYPTMRIQSDVK
VSDSDVTFDSSSTL KINGLESNDTRFRGQISLDDVLV NVERDLIIDGRNGYENANID
FRNGVDIRIYNDLVVEKDLEVLGHANLDSL DVLDEATVGGRLRCYK GATISGDSNASSDS
ITSSFSQLLKVEGSALIQRDLEVDGTLTAESQDFVGDVVISGNARVNSLTVDSTATVSG
TTTVGTIKATSSGYINGQLTAGTIKAENDIFFQNLDISGKATVNTLDVSGDASVGGKLSA
VKSTSYFQEI AVTKNAVVGGF IESTNSTVRKFSVVS GNATV VGNLEVG GTFKPQNSQFEN
IVVTGVADVGLKTS GSASIGGTATVQSLTVDSNVDVGNLNIGGTLSDVAFYNLS ILGT
ASIGTL SVSSASIGGTTLETLSVGADADVIGT LSVSGKFAPEDTEFNDISVLGTATVT
SLSAESALISNAATIQTTLTVGADADVAGSLSVVGTFTPSESEFQDITISGTATVGTLSAT
SASISDSASINRLTVGSDADISGALSIGGIFASKTIECTDITATGFASINSLQVNNASIE

DATAANLNVGLNAEISGDLTVLGTIINSA
>comp8644_c0_seq1; 564 93 1295 LEN=1450; translated
MSLADIVPAGVVTGDNLMKLMEHARANNYAIPAVNCTSSSTANAVLEAARKAKAPVMIQV
SNGGGSFLLGKGVKNADGAAAGSIALAMHVRSVAKYYGVPVVLHSDHCAKLLPWFDSML
KADEDFYNKFGEPLFSSHMLDLSEEPDDENIAICVEYFVKRMAPMKIWLEMEIGITGGED
GVNNEVDVPEKLYTTPEQVYSVYEALSKIGPMFSIAAAFGNVHGVIKPGNVKLSPERLGN
HQAYAKMLGCEAEKPIFLVMHGGSGSTDEEIGTAVANGVVKMNIDTDTQWSYWDGLRAY
EKDKRAYLQGQIGNPDGADKPNKIFYDPRVWLRKAEEISMVKRVMVSMDKLSTTGTIELSE
DEPAFAQLGELKATPSPAILMTAGAVVGSAAATLLKAITK
>comp8646_c0_seq1; 280 210 935 LEN=1224; translated
MSNNSMKEGKRQLSAYEQRRIDNIKRNNARLRALGLISSVEERRSNAIASGTSSNIVSGK
DSCRDPLESDGESSDDGEWQCENNGGKRRKRKVAPKEPREGSRKSRRLNGEQAEFAPD
AEELLFSKDPTVRKKELEERVKECREVRLRAANAIAACGGEKAAKTNPTATYEHCLMRVK
TMTEKGLVNRVKAIERAAGKHCVVKMAIFKSCLQDEGRWKLAEVASDALERLKLKALPIPE
E
>comp8647_c0_seq1; 584 1 1885 LEN=2523; translated
XDIRQAAETGTSTPTPQGPRTIKNQRQSSIPGTPREDQHNRDITSYSIEQTTAMVSIR
KAKQTGFQLRRTKGRRGGLYDKEKVGVAAGLCIGFFVMFLYSAAFSDVSIGEIGVIAESV
RKTSHPVLMETPEDGEADTDAVDPNHPPIQHPPKIVPMGDSMNAIALEVSTLDCPKLL
KEAEKTMKEVVPDFGMDNDRERRRLQHQHDDGGFADFGGAEKKGEDDSLPEEKWG
EQAVEGGDAEEEFENYINLSAKHLFCLAATESPPDVIITNEINCDAKKRRRLLDLWSAAR
SQMPEDLLLKVLDLAHEGREEILGNSYHIWAPSGDDGLYFMVNALNSDQDVDNNGINGLE
EALGPGKLVVDVGSCLGLTCLAINKKYPGTVKIVSLEPASPSWLLQELNLRNLSKKEFKN
IKVILAGVGANTDEEDDLMAKLMWRPTSTTSTRSWTPAEESKTSDELELIVRLRKLRSLLA
EADVLLPNHIDVNLNDCQGCENLIPALSKEEFENIPTVMGNVHWGYINPNKLPSSDRGR
ITHQRLCGHENIARDTKECCAFDLPVKSGIPGEVLQVGDSSNFPKKESTVSDVIMESMC
DDFSSWSKERYLNDIPDDFNWFEISSQA
>comp8647_c0_seq2; 270 1 1584 LEN=2035; translated
TMNNEKWEPLKQCNGSEHENASSKDSLGLDRKRQOKERLRSSSFSDSLDDISSDEDKED
HRCRRLRRLGRSSPANSNETRAVAVTREVQIPDQIRVSRSLRVPEFGPKILFFSGGTAIK
ELSACTNYTHNSIHLITPFDSGGSSAEIRRGFNMLSVGDIRNRLALSDRNESTTRNNP
QVIELFAHRLVKTEGLEAAENEYLSILDGKHPLIRAVELPMRSILQNHLRWFSDRMPNDF
DLQGASIGNLIITGCFLEHNRDIVTAIFIVTKFLGVKGFRCRPLTAANLHIRTLYADGREV
VGQHLMNQAPKSPSTMTKSEKQLSSNDSLNSKIMRIDLVQELNPRSGAGRQESQSCHIDI
LSSDFVSSAADLICFPMGSSFFGSIIVNLLPVGVGKAITERRCPKVYIPNTGFDPEMNGWT
LVECVSLIINMVRADLRHNYNEKGEPEENVVPIVDDILNFVLLDTTNCEYSVPVDKVAIEK
LGVTVIDVTLVEDNKCNRVDNAKSHSNGKSKILNPVKVSEVLISLSS
>comp8648_c0_seq1; 411 1 1986 LEN=2142; translated
EQEQGQEQQFEKQLQRAAPECIINGTDLLLGAACLQGSFSSVFVLAEYNNRRRTKGAGTGVD
ERPSSLRRRKHKPNPRCSDVVENSRRSTSTTTTRRSRSSRRI GGCLRVSKVENEAEHSGS
DNCNDNGSHRTDNLAPPVPDGDHDGLRGRSRTKTPEDPVRYQNYWDEPNPNSNMVVKLLQ
PKLMEKPRFLFANCAAGLIREGLFLAALSHPHILKVHAWTSPTGWNDFAALSGRNGNLYDG
YVILERLQGGTLKQWIERWSRDHQEGEQCSERAVAEPRETSSAHEPRTRWRRLNFRSTE
RNKRKSTNKSQHSPLPGDSMALVYNSGNANVIENDRNDNDIENGNSYPSNWPKTQLSDRV
ALLLQLSDTVKYLHKHRIHRDLKPDNLGVTYVYRVPVDNSSSSNRSRGRFPPTSLSLKI
DFDVARLVPEKEKPIDEEAVDGSINRSRSDRVSSSKKSVGSDWNSSHSVSSSSEEPVNA
PKAEQVFNMTGKMSPRYMAPEIARGDPYNLRSEVYTVGLLVHEVLTQLRPFDELIPEEH
AKLVHSDIPGYRPPIRGSWGWEQLRKILESSWGDIRQRPDMKELHSLVLTALPELLAPT
SSSVATVITTPSSFPPLQPEQQPKLKARGLIHRQKKRKGDTVLSHSPMHLVSPPLSPTSS
E
>comp8648_c0_seq2; 423 1 2254 LEN=2410; translated
EQEQGQEQQFEKQLQRAAPECIINGTDLLLGAACLQGSFSSVFVLAEYNNRRRTKGAGTGVD
ERPSSLRRRKHKPNPRCSDVVENSRRSTSTTTTRRSRSSRRI GGCLRVSKVENEAEHSGS
DNCNDNGSHRTDNLAPPVPDGDHDGLRGRSRTKTPEDPVRYQNYWDEPNPNSNMVVKLLQ
PKLMEKPRFLFANCGTYGSVKKRAMEPKGAEGDETENGNQKLGCIQFLSQTKMLLASQNV
LLSICFAFFGVPTLLKISSIPHPTCILGAIVGLLTSWTRCTAAGLIREGLFLAALSHPH
ILKVHAWTSPTGWNDFAALSGRNGNLYDGIVLILERLQGGTLKQWIERWSRDHQEGEQCS
ERAVAEPRETSSAHEPRTRWRRLNFRSTERNKRKSTNKSQHSPLPGDSMALVYNSGNANVI
ENDRNDNDIENGNSYPSNWPKTQLSDRVALLLQLSDTVKYLHKHRIHRDLKPDNLGVT
VYRVPVDNSSSSNRSRGRFPPTSLSLKIIFDFDVARLVPEKEKPIDEEAVDGSINRSRSD

RVSSSKKSVGSDWNSSHSVSSSSSEEPVNAPKAEQVFNMTGKMGSPPRYMAPEIARGDPYNL
RSEVYTVGLLVHEVLTLQRPFDLIPPEEHAKLVHSDIPGYRPPIRGWSGWPEQLRKILES
SWGDIRQRPDMKELHSVLKTALPELLAPTSSSVATVITTPSSFPPLQPEQQPKLKARGLI
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>comp8649_c0_seq1; 312 67 1110 LEN=1188; translated
MATMILQPIDTNTKINDIYMTNGVVGNEKLTTPPLCIANSTASAENAKRLRVDGLKSHLS
RTMIEIPNPTPMREQALDSSSTSTRPQHIFPAHGSDDNNKNLFSELAAQLNTTGDKNSTG
KRIRFAPFPSKYRNDANKNAPNASGGSPRVTDLFTTEERRELWYQSDDELASMKQEAKVII
SNHRNRSEDPKTPEEREDMVGLERFSRQRAAWKRSAIEYVLRAQQQVRKLRNASTGFGKV
SANVAEYIRSLSRGTGWARETASTQGFREDYVAVHDALASLFDEQGNRHRNYDELIFG
EKTSVIRSTETITGDNNKRKISGITESIQRDHAHDGLRRVRQRA

>comp8650_c0_seq1; 187 228 1451 LEN=1498; translated
MITLNSDQEILIRSYVKDCVLPKHTLIDEEDAVTVVSIILVATELVPESTRDPRAVLD
LKKETKFECLGGVRSKDTETRRRRITKLCIGSWDSYFCHPWELTTNKSQITDLYTRLS
DLETCLKLERCWFKLFEALRYLRNLRTLDVSCFTTDGTSIRCHDSNGWVPHLNLENLYIS
RAAVVNSDEDLAYLFDVLPRLPNLRVFRVGCMLQNRMESFRRAAERIRETPWSNDSRC
RLRKLVCPEPEPDYKTHMQAKKLKRMNDPAEEEEAVATVLTAFRELSVVEGIYGNLDTGD
IHAAGKTLVPYLFELINHAGRVLVEPRPPSGTDRKNDILPPGVPSTAIPLSVWPRVLER
GKYGKPTPNRTPRAGDGATGVYLLRKMVAVILQEWRSRSPCGKANQ

>comp8651_c0_seq1; 512 123 1178 LEN=1444; translated
MAIDTKHTGAKAATGIAWLSFFFLALAQQAHSFSMSSNGNNNNNNLGAAMNLMSSDSNNL
DRFQSSFLVGKESSETAVSQFDGNLWQALYGENNVSGEDEDLWVAVYRSNNNKPSVIVRDE
FFRAMNDATSDLLDANDNDSTANSNNNISTVSNTASFLSNTMPSMLEIPETKPVAIARL
QKTESDNVYLLDNLRCSLKEDQDESCDGGSEFLEALSVAVDLTLQQLRLLKDRDDET
ETDVVFEFTVRTKSTLFSNKLFEERGFREVETLSRDMATHVSSYGACFSQYAERSIEPGM
APGTRDRALQIVALLGRLDAEVQKVEEDEQNGGNGDDYDPWANMKLYRS

>comp8652_c0_seq1; 508 95 973 LEN=1368; translated
MTTTEKCRNGELPSSFPMPDDGLASDVGGGLDWELEESAEGVILVNNYRNQRASSGWVS
TDSKRSKGIIRNANDRCGGYRRTSSAKNRDAEHESITDRFTEACRVGSSMLEWISAAIGV
DICCGKNFSENASHSTPATQSMDSFEKEKFGYLPHTPQSFQQHDNEISLLTDVSVLTDAS
LMDLVLSKEDEDNIEKEMAPNKGDHCLPLGNDLPAFHKKSKRNHKPSNYADLLVEEGIGAL
KKKQREEREYLHPRLPFAIVAHDDLNETKTKKKNKKGKASKSQQPLKSRTPTW

>comp8653_c0_seq1; 773 135 2780 LEN=2875; translated
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LERKLRIFTAEIDKFNLOSTAGAIIDDFLEGSPIVSSTGEASNGKLLSLEVELEGEYESQ
LKELNSYSEKLTVEYNQKVELQEVYKARYFFNTDAPRLASSERRGGRSSERASLLDSAD
NRPDLDMRFSFLTGVVATEECQRFERMVFRMTRGNCYVRFARIQQDITDPTTGQQLQKSV
FIVFYKSQAIESKLLKICDAFQAHRYSIPDMDDATSVTSMLENSQELVDSRTVLLKNQD
MRYRLCCKIAQHRERWSWIVLREKAIYHSLNMFKADVAGMLRGEVWVPSNMALREVVE
RAHSNMDMGMPSHVDHVPQPWPTPPTHFVTNKFTYAYQEFVNTYGIIPRYREGNPALFTA
TFPFLFGVMYGDIGHGTFLFLAGAAMCWNERDAEKNLKGQGEAQAFHAMRYMFLMGFF
AVYAGLIYNDFFSLGLNLFGRWQFDGQYEGTVEEGAVASLDAEYGSNESVYPFGLDPIW
HVASNELLFNSFKMKMSVIFGICQMFGLGTCIRGLNAIHFGKADLYFEVFPVVFSSLF
IYMVVLIFFKWTIDWNARMTLATCFDPDGLWQSEWQTCSTSDGNGYCTPWGYSCKDGDK
TADLCPDLYGGSGDGCQPPGLITTLINIALAPGFVDEPMYPGQPFIQNLLFLALASVPV
LLLKGPYFIKQQTHTPIQHASEELPLYADEHDHGDHEEHDFSEVIIHQGIETIEFVLMV
SNTASYLRWLWALSSELAHSELATVFWNKCLLSTLNMSSFIYVYFGFGLFAGITFGVLLMMDV
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>comp8653_c0_seq2; 1113 128 2742 LEN=2826; translated
MAKWRSEPMYISLIMNEDAAHDCLDGLKLVIOFTDLNPDLPFQRRYVSVYVRCDE
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QLKELNSYSEKLTVEYNEKIELQEVLEKARRFFITDAPRLAVSELTSQTPSNKTNLLEE
EARPDLDMRFSITGVVSTEERTNFERMIFRATRGNCFVRFAPIKQPIITDPETGQLTEKS
VFIIFYKSDSIELKLLKICDAFQAHRYSIPDMDDAESVDNMLTENAQELVDSRTVLLKNQ
DTRYRLCQMLAKHCERWTWHVLKEKAVYHSLNMFKADVSGMLEEKDGVIAENLDEVKYCI
EKAHANMDMAMPSLIDHVPQPWPTPPTYFVTNKFTYAYQEFVNTYGIIPRYREANPALFTA
ATFPFLFGVMYGDIGHGMFLFLNGCMLVWNEKKNKGVKREDELSEGLHVGRYIMLMGFFA
VYAGFVYNDCFSLGLNLFKSRWEFDGQDEMTVEEGDVAYQTAEYGSNESVYPFGLDPMWH
VTSNELLFNSFKMKLSVIFGIFQMFVGLKGCNAIYFGEKLDLYLEVLPVVFVFAASLF
IYMVVLIFMKWSIDWNERMLLATCFDPDGDYWNADWTVCDQSGNGYCTPWGYSCTDYDTT

ADKCPDYGGSGDGCQPPNLTSLINIALAPGDVDEPLYAGQAGVQNFLLLLALGSPVVL
LLAKPYMLKKQHEQTHHEHIAEMPDGDEEEHGFGEILIHQAIETIEFVLGMVSNNTASYLR
LWALSLAHSELATVFWEKMLSTLGVNWFATYLGFGFLFAAVTFGVLLMMDVLECFHLALR
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>comp8655_c0_seq1; 237 124 588 LEN=696; translated
MGRRAKKAPVQTKKRPTLAKRFKCPFCSNEDVVECKMDHKARVGSLSRCLCGASFAMP IN
HLHEPVDVDFSEWLDCEATALGKPTGQAAAVAAAQEAHNHRLEYDISDDDDDDIGQPSGL
SAPSKSKGKNGGAASASNTNIADLGLDDSDSDSD
>comp8655_c0_seq2; 173 706 1062 LEN=1170; translated
MDHKARVGSLSRCLCGASFAMP INHLHEPVDVDFSEWLDCEATALGKPTGQAAAVAAAQEA
AHNHRLEYDISDDDDDDIGQPSGLSAPSKSKGKNGGAASASNTNIADLGLDDSDSDSD
>comp8656_c0_seq1; 483 127 1389 LEN=1766; translated
MKPFSSLTKRVIITYTAFHYISSLRRPSAVSALIVPATRKFSSSYAFQNSNYKQQPRQQFG
QYTSCPIYSSPVVDPGAEIKAKQNEEEQLIQDMLYRIRECNKTPEDLQSRIVDFQVDGCV
LGKVDTKVADILCSKKTTVGVSAFEIATVDGKTCLTLSEEGAGTTVESRTQAVGDVMEEL
KRIGIVTGWREDELYPISDSFYNNPPVFLMERAATDLMGVLGYGVHVNIGILRSDGVSSNTPK
MWMARRSKTKSKYPGMLDHI VAGGQPAGLGLMENVIKECEEEAGMPPELFDPRPDVDIRPA
GVVSYEETIRCEIDDENNDT INGTGEDSNFYTISRVLVFNLDLVLPHDFSPKPLDGEVD
DFFLWDIDQIKESMAPDFEDPIKPNCYLVIIDYLMRMGFVSPETKGYLDVLKELKSGDCQ
>comp8657_c0_seq1; 754 1 2146 LEN=2299; translated
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GSSVSPGHATDSSKPNNEANNPPLGTVYNDPYGNLQSSSPELQQQEKQWHLRQLQILQ
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YIEYNQRFYENLKLVALVVLPTIGYGLVVDWNQVGSMDRGRNRWAAFPQAAAATTTLP
PAALANESIPDAPATTDRSVVRPSSIGAAVHALIHSFYSSFFVGYLWIFVLEIVWTTLL
RLAIFLAWEPDMLGAKVPWSPSASVPAPDPSGTEGGSGGNPISVWILPWVLEIKYRPK
RITLLAADILTSCVACPIIEEFVKLRLQLQWTMPLSKNFSWVKRCSKHHPKKQKKMIAEP
IESLDEADEVPSAQAPANQPPNGVGNIDGNVTNINPYVAGMVVSLGIKWADAIRRVCY
TKAEDERKGVYAFRLGIFPVQELCGIMTALRLARRDVLGQKMLWNLLPAVIVHGMANL
RGTKPVFKWNSSTPWAEMQLSPDLFPGLFSPSTLSSMEESGSIAPLPTTNLEWLGRAFPK
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>comp8658_c0_seq1; 269 1 1049 LEN=1619; translated
XEKKTSED TNADSTKELRVPNI IHNIETMHITNKKFLYKLLVAIAFFQAADAFSFOQRLP
VSTTKLQATAENGEAPAPAVSVSALKKPPTQFQHPVENTSHSSGGNLKDGEPLVLRKA
VTSGLSLITAATGLPLLGANAASDTEEIGRQEOPFRVLFVQIDPSKPNELSEIEIEVRP
DWAPLAAARFRKLVELGFYTDRCRFRVLPGYVAQFGIASDPALNKKWLYCGASDEEGRQQ
CQKPIPEPRLQPNKRGTLSFASSGKNSRTTQIFVNLANNDGPPNFLDPQGFVPFAQIVR
GMDGATNVPKQLNSEYGGKVNQKAAFYGAEYFQAVFPRLSVIKTATVL
>comp8659_c0_seq1; 280 213 812 LEN=1073; translated
MDTLGSPEGINAAHAQVGNFIVLMSRQGKIRLSEFFQSYTESEKRRILRDIAADILPRA
PKMCNIIIEKGPYKFVYRRYASLYFVGVVPGMNELIVLEQIHLFVEALDGYFNVCLELDL
VFSLHKSLLILFEMFIGMGLCESNKREVLKAINAEELVEELTKPGEDTASQLDDGLSFQ
EQFQLGRKPGRRQGSQRKM
>comp8660_c0_seq1; 140 248 478 LEN=1563; translated
MATSKFQKGPDLKRFMDKRLKLSLNGNRKIVGTLRGYDAFLNVVIEDAEGDGGAYLGQLV
IRGNSIVQFEALERN
>comp8661_c0_seq1; 249 199 1128 LEN=1523; translated
MCGPTKIASKTTANTRTESGLFLFSLESYNGDGGLPNNKSQFFVTVTGLVLLLVAIELSMR
QLFNF IKDMHPILEDEISRNILARHIGVDSFGCFIVAFGLKARYVLKDVIDATIGKPN
AMPASYEGRMFTYLP EGQRVCLFFLAYQLKNTYDSIVWNDGMIFLIHHVLTFTIWGGIQ
GNAHFYALYFFGISEISTGVLCLLANFDFGVVGLADAFPLVKAALGGIFALMFVIFRV
LGWSTMSYFCRDVWKALKGSNSRLELPGHRIWFRFTLFSNAILSSLQIIWLAEIVRIGK
EELKNMGLI
>comp8662_c0_seq2; 190 477 1255 LEN=1255; minus strand; translated
MQVHQAACQSAVSRAETETNGNTKVENEDSVQPETKKPRLCNAEPGSCGSDGGDGDGGD
SKSRAPNPSAATGGIGTGTHRNLTLPSTRWLLIPTCDRSGLSLAAALPPSLRSFEKKI
GRDLDKLRGLLDQHGLRTRISSPREAVSVYKDSCLGGDDEPANSFLKDGTDFFLLVTFGL
HPQQEELEKYFRRSIQNTYCLLLFCCKMREEYHSLGLSSSESASASKSQHVSEPTNAID
NEINKQIEMLIGEIEKTTAX

>comp8662_c0_seq3; 277 477 1906 LEN=1906; minus strand; translated
MQVHQAACQS AVSRAETETNGNTKVENEDSVQPETKKPRLCNAEPGSCGGSDGGDGDGGD
SKSRAPNPSAATGGIGTGTHRNETLPSTRWLLIPTCDRSGLGSLAAALPPSLRSFEEKKI
GRDLDKLRGLLDQHGLRTRISSPREAVSVYKDSCLGGDDEPANSFLKDGTDFFLLVTFGL
HPQQEELKEYFRRSIQNTYCLLLFCKKMREEYHSLGLSSSESASASKSQHVSEPIFAPI
DTRNVYPGHSFQIQSEGAERTDHQYLYDPAIDYRKPGLFSFLPGLRRTVLRGPHELVS
MIESFWSQVLRNGYFPTAAIQEVLEPQLRSFFLSGLVAADARGTTYLPLPLKASFVPSAP
LSIYLHGKAGAGKSSLAKVLPALQSTLEEHIDPECMARFVKQNLNKRLETLELEFQLRP
NNNDMSVMSIIQGRRMAMSQSKPGLVVLNLEELPMDSSLGNDPNQEAVAQLISQRF
>comp8665_c0_seq1; 235 103 1122 LEN=1122; translated
MAVACAWTERIRGSLRPHRSNPRSGSELAGSKAVVDEPYLFNGTVSILDRGPNHLVVS
PSVLCRSDWSGSGKKRSKQKRGPPPEVPMQRAREAVGERVNLVHRLDRGASGCLLMSFA
GSDENGGNATAVLQESMTRSSSSHKTYLALVRGEGILKGRDFRQEGWFEVSRPIKNEAGT
LKNATSYFRFIAGQGNENGALEDVPRASLVLARIKTGRWHQIRKHLNGLSHPPIIGDSTHG
NSKTNREWRQKWGLEPERTCLHLLKLELPATPFTPNGISVVDALPPDMTNMLRDHFPEP
LETAETVLNEEGLTLRIDKRPDIXASQLHDKLNQEGDEPHX
>comp8666_c0_seq2; 72 56 367 LEN=746; translated
MFRTRAVFRQLKPLADRVLVKRAPKETQLASGLYLPTDSTKDPNEGEVAVGPGQVDVTG
NLHATTAPGDKVLLPEYGGTKITLGEDEVFMFRESDILGKFD
>comp8668_c0_seq1; 183 1 576 LEN=656; translated
CGSAWCNVDSVFNLDAYRVVLFQENLS DGTVAPWFWYILFGPVGALGYRVANTLDSRIG
YRGGRYEWF GKASARFDDL VNLV PARLTTLALVAAAAMVPRCSAKRGFATAWKDCAQCSS
PNAGWPMGAMAGILGVRLEKKGEYALGKDI PCVNGPSPTDIRNGHRVAQLAGGIAFVAAL
AACC IKDWITG
>comp8668_c0_seq2; 645 1 2562 LEN=2642; translated
XSAVSIFGFRASNTIRTVRFPTRRVEQENIHLKRTNSVFAVLGVRDPDFFAIAPTRTHG
PEHASNKHVPSQSTLQRKCS DQKNEPSPCRPDAXVRVDENRALVELPVGVSRRNSGDVTG
VPTDGWNSISSAIWNGGLRSFHYGNKIDAGDKVCV LNYKVPSTYDGLNPEPKAFLRSAIG
KEPNIRHG DENENENQND CDGSRNSNAKHHG SVAGSSDGRHGKGFLLDENTV GIMTAASM
RSLRTASRSAGGIFVDAIVTAGISNARTAGADADV FALLPE DREEAPP PRGTINTVVVVN
GAPLSEGATVEAYAI AIEAKCAACAD FRLACAKS LYGNDLAQGTGTDCAVLLGPAVPRSQ
SPRPPGAPAFRLEYAGKHCLLAELIGQAVXGGDQGGDPVQPGPPVRNGVVVPPPLQDLP
LGPPAEGIPPLRSPQADGSDAAVAPLGGPARMGDGP SGLLWVRSNRGAATIGDGT DGGRL
LGSVSRCLECLGIRRFARVFNGLSNHL LSVLLVFEPV VLFQTMQRQHRSCLPEPPLSVH
PVVLAGTVIS IATKKWIPERVF RSPVLGFFGGV LFLVGM LALFVSGAQLFLAVVQWTEEA
IKDHPGLGGWVVLQRDVVPFGSWVLEVVLFKTT FSLQLLCTIALQMARFLERSQLQEARD
QLVWLCSRDPMHLGSEDLAGGTLESLS ENLSDGT VAPWFWYILFGPVGALGYRVANTLDS
RIGYRGGRYEWF GKASARFDDL VNLV PARLTTLALVAAAAMVPRCSAKRGFATAWKDCAQ
CSSPNAGWPMGAMAGILGVRLEKKGEYALGKDI PCVNGPSPTDIRNGHRVAQLAGGIAFV
AALAACC IKDWITG
>comp8668_c0_seq3; 606 1 2422 LEN=2502; translated
XSAVSIFGFRASNTIRTVRFPTRRVEQENIHLKRTNSVFAVLGVRDPDFFAIAPTRTHG
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VPTDGWNSISSAIWNGGLRSFHYGNKIDAGDKVCV LNYKVPSTYDGLNPEPKAFLRSAIG
KEPNIRHG DENENENQND CDGSRNSNAKHHG SVAGSSDGRHGKGFLLDENTV GIMTAASM
RSLRTASRSAGGIFVDAIVTAGISNARTAGADADV FALLPE DREEAPP PRGTINTVVVVN
GAPLSEGATVEAYAI AIEAKCAACAD FRLACAKS LYGNDLAQGTGTDCAVLLGPAVPRSQ
SPRPPGAPAFRLEYAGKHCLLAELIGQAVREATREAIRSNLVHLYGTVWVYHLHRYKTYL
WGLLLKGSRPCVPPKMPDMPSPSVLLGWAMVLLAYFGFGRIVGLPRSATVLMAAAF
WDRCLPEPPLSVHPVVLAGTVIS IATKKWIPERVF RSPVLGFFGGV LFLVGM LALFVSGA
QLFLAVVQWTEEA IKDHPGLGGWVVLQRDVVPFGSWVLEVVLFKTT FSLQLLCTIALQMA
RFLERSQLQEARDQLVWLCSRDPMHLGSEDLAGGTLESLS ENLSDGT VAPWFWYILFGP
V GALGYRVANTLDSRIGYRGGRYEWF GKASARFDDL VNLV PARLTTLALVAAAAMVPRCSA
KRGFATAWKDCAQCSSPNAGWPMGAMAGILGVRLEKKGEYALGKDI PCVNGPSPTDIRNG
HRVAQLAGGIAFVAALAACC IKDWITG
>comp8669_c0_seq1; 250 172 1146 LEN=1487; translated
MAPLTFGPPSMRKSQNGMNDDEKAI ELLADNLNGDNRNRTLAKILNGDNNSWSSNNSRYK
RGRMSNDEERNRDYQPAYQVGCCGHL LILSLPILAMAFTLAFLLVLLVFD RSQIQNMDL
YGD ETVYEVADIYFGSISQDTISFIMSQYNPYDIIILVSIACGLVSI VTVARNIQIEVY
HQRTQSNILIKMMNYLSSTVNIASYLGLMVAFAFKSNQEAPTWASKAHYYGAGIFFAGTA

VYAVLHSLLLCSQRHYPTVLKVLFFGLAVTIVTCSLLFVIPLWNDGLSEDGINPVYEWIA
VFTTAIYVGFYALLFHLDSVDELW
>comp8670_c0_seq1; 652 88 1065 LEN=1643; translated
MPNPQAEAIKAENGFFKAGKYADAIKYKEATSIDDKVPSYWSNMAACYEKLGEYEKMA
DAGRSCVKADRTFVKGYFRLAVAYKNLNQLSECIKTLESGLAVQSSNPDLKRMKKEVTEL
QRGEQVAAYCNKADELQNGDIAGAMKQLDLASRLDAGNSIVEKMMGKVKPKWEAMEKKR
KANLSPVEVFKERGDASYKNASFEEAIGHYTCVEQLQNEGKSGSDLALKAYANRAACYK
QISNFDGVISDCTAVLEVDPENVKALIRRAQAFEGVERYRFALQDVKTVMMPYNQVGKA
NFDLCNMMQHRLQRTVSQLKKNSS
>comp8670_c0_seq2; 532 88 963 LEN=1061; translated
MPNPQAEAIKAENGFFKAGKYADAIKYKEATSIDDKVPSYWSNMAACYEKLGEYEKMA
DAGRSCVKADRTFVKGYFRLAVAYKNLNQLSECIKTLESGLAVQSSNPDLKRMKKEVTEL
QRGEQVAAYCNKADELQNGDIAGAMKQLDLASRLDAGNSIVEKMMGKVKPKWEAMEKKR
KANLSPVEVFKERGDASYKNASFEEAIGHYTCVEQLQNEGKSGSDLALKAYANRAGEFR
VVGPCRGRRTIFETGALFFVFLCVA AVRSSSSSIPLPFSLVICFSFLV
>comp8671_c0_seq1; 294 408 992 LEN=1054; minus strand; translated
MAPATESAKETAVATPPLACFVRVAPEEAGGAGGLAPSATAGRKTGDDWLAPPNACPSSP
QNKSPISSQVQKSSSRGSLQTATVPFVPRHAQFSSSSRASSPCQTVPLPLPSAGSSGPG
PSSASTSNVLA VEERSGRLEITSCGGDSGRITGTGPSYSSSSSFLSSLSLTSARTS
HRYERIDCLVDAPG
>comp8671_c0_seq2; 446 147 785 LEN=1176; translated
MLFIQQKSIVLLTVIVALLALIGNPESRLVRAEVNDKEDKDDKDDDDDEYEGPVPVIVLPE
SPPQLVISNLPLDLSSTANTTFEVEAEEGPGPLPAEGNEGNGTVWQGDALLLEENCACL
GTNGTVAVCSDPRDEDFCTCDEMGLFCGEEGHAFGGANQSSPVFLPAVADGAKPPAPPA
SSGATRTKQASGGVATAVSLALS VAGAIAALD
>comp8672_c0_seq1; 479 117 1999 LEN=2088; translated
MAATTTSSSNTISAGTDSTRNFRTTSSLQTKRHTVASLTQAQEGFADTNEARYWTQKLG
GHSKKYSAPTNDKKYAHVRQLYIPPFQRREIAHQVLFGLLSSKHPPFAVVS GPRVHLY
GTSTTGSAFVRALYQSAHSGSGDGNIAIRSGQDLDPDRSVQTGGNLALSASFRNDGRLL
AVGTDAGEARVCDVTMRATLTF SANSFPVRSLLWFRNGQYILAGGDDGVAR IWNLGSTE
KKRPMVSLVGHGDVIRCTDLWQNTTKQTQRQNTTEFRELAATGSYDHTVRIWNVSNVDN
KDADEKEEGRCLTTLMHGYPVEAVCF LKSSDESSAPVWLLSAGGTIVKVVNPLSGQCLGT
FGTHHRKTITSLLLVLRNTNYEDET XNEKVS MRIMTASLDGVVQIHSWNESTGQMGHLYS
TKLAESITSVATDKSGDRFAFGTVSGHVLFKMKGPSVTNKKRKA VPRAGTYSFFQRGMNA
DAGTSSNDYTVASKTKKQRKLNKYNHALKQFRYSEALDEV LSTRNPKNIAGVLEELGKRR
GLTHALS NRDEETLEPLLRYVTRYV KRPEYTSLLVGVVHILIDIYGDVAGESEDIGGLFR
KLRHQIELECKAQKSLMFLMGQIEASM
>comp8673_c0_seq1; 167 1 366 LEN=1331; translated
XTDSVEKNSXTEQSEESIKDIIRFFLILHLAMTVVKSEQSVELGNGGEEPPFCSTPTDD
IHTIQAECSNMVSL LKRLQKEEEDIQCQLEILAKESLLCGFQNDVIEPPIPKKRAKSKG
KS
>comp8674_c0_seq1; 259 1 1021 LEN=1393; translated
XAQVVNHQPSLTYEFIKSIKSRMTSVWTPKNRLRFLILLASFVTAHQHGRSCAPIGGS
HRRNKNGCRKEAERSTRESRTSLFMGKLRNKQAE LQRKAMLARQKAAENAGSSSSEGER
KLRMTDDQLKEINDRKRFEELLNANSASIGSDSDSLD TYLSQE QEEENIDAYRKGVDKRF
EGDPAPAEPFEELVSIKSENAIGEAAVKRMPWVRDKSEYVVVLESEP REKSP EFHNTVAD
LSKALPKDIFSKIIFVNADTPAQNRRLFKKKGISDTGIRLYSDEKREWMQSYTALGENRW
SMTLFLVLDGRVQRLVREFSQISAANVIQNAIKSSEKRRL
>comp8675_c0_seq1; 43 1 283 LEN=283; minus strand; translated
XALEVTYPSFSLSHGELDEADTAATSTSAVHRETVQSKASELMSRTIVWKNTANNKRHKH
QPVQRSYQDNQLPNRVMLESILDSFDQLVEARIRA
>comp8676_c0_seq1; 168 1 1031 LEN=1375; translated
YTYTYTYTIRTKCKSTKLFPKMVEGIIHGVP LSVVDGNLQRHGERGNGNHNCH EEDDND
FGVHRVAKKLRFPPTTRGEHRTNPLTKIGNATNDESAKRSFSPPLRWWFSRQHHQEQEQ
QQQERSLQPVTPDGAPASTPGMVLSEHLGNTADVESLTHDVKNWSLTRL PAPS LANDGV
AGAPSAEKRNNSAAGRPTGSE RSHDGT SKNSGVFRKGPAPVENGIERRQIGTPCKAVKG
LDAKLGNTGDAVGMLLGWQAEKSNQSATLVDRTPKSHKIRPSSRQAVGSSSSSLSTTANH
AYHHR TINEKRMESSAHTLPDYWPTSLERVGRSKNPKGLCPR
>comp8679_c0_seq1; 232 95 868 LEN=868; translated
MAI PHTVANLVDRASNSASSVAATDRASVAPLSPAPVEAGGARM LACSSSSGGGSASPGPS

VRSLQAKLIQARKRNELLQNIIEKGVDEYGYPLCEFRKGF LDHYKPRGMVISVSRV ESSRV
VSGRFVCGRLRLAIDGCKRILCSADAPPGFDFLPVLP SLNRTPKCFLLNKRI RFFSLVSS
VASVLLFPGANGIDGVTSQTIRVALQQSVTILANFMGEQLELDLKR NQRVNEGQITQMEA
DLEADEWEKVGVSFIFI

>comp8679_c0_seq2; 185 950 1501 LEN=1760; translated
MARRMSSRIEAKSPPGKTETVRDHKLSVTASMTTTTLWANLLPFCADYSLHQALLCYAYF
RYYSYQRQRLLAASPSEDDDEDTANGASTLITEDDRELARDLGQKSLRLATNRGVGLV
CSAVGAGVGTVVWPGWGTIVFSALGDATGGMITDDGYFKAKQSLEEKRAKDEARDDSI SR
QVQ

>comp8679_c0_seq3; 223 95 604 LEN=604; translated
MAIPHTVANLVDRASNSASSVAATDRASVAPLSPAPVEAGGARMLACSSSSGGGSASPGPS
VRSLQAKLIQARKRNELLQNIIEKGVDEYGYPLCEFRKGF LDHYKPRGMVISTIRVALQQS
VTILANFMGEQLELDLKR NQRVNEGQITQMEADLEADEWEKVGVSFIFI

>comp8679_c0_seq4; 474 95 1288 LEN=1547; translated
MAIPHTVANLVDRASNSASSVAATDRASVAPLSPAPVEAGGARMLACSSSSGGGSASPGPS
VRSLQAKLIQARKRNELLQNIIEKGVDEYGYPLCEFRKGF LDHYKPRGMVISTIRVALQQS
VTILANFMGEQLELDLKR NQRVNEGQITQMEADLEADEWEKLEWDKRWTTTFPNKFV TALV
KYHSVTLILRFYEYLA AKLVDMHKL NKLTVDPFAMARRMSSRIEAKSPPGKTETVRDHKL
SVTASMTTTTLWANLLPFCADYSLHQALLCYAYFRYYSYQRQRLLAASPSEDDDEDTA
NGASTLITEDDRELARDLGQKSLRLATNRGVGLVCSAVGAGVGTVVWPGWGTIVFSALGD
ATGGMITDDGYFKAKQSLEEKRAKDEARDDSI SRQVQ

>comp8679_c0_seq5; 483 95 1552 LEN=1811; translated
MAIPHTVANLVDRASNSASSVAATDRASVAPLSPAPVEAGGARMLACSSSSGGGSASPGPS
VRSLQAKLIQARKRNELLQNIIEKGVDEYGYPLCEFRKGF LDHYKPRGMVISVSRV ESSRV
VSGRFVCGRLRLAIDGCKRILCSADAPPGFDFLPVLP SLNRTPKCFLLNKRI RFFSLVSS
VASVLLFPGANGIDGVTSQTIRVALQQSVTILANFMGEQLELDLKR NQRVNEGQITQMEA
DLEADEWEKLEWDKRWTTTFPNKFV TALVKYHSVTLILRFYEYLA AKLVDMHKL NKLTVDP
FAMARRMSSRIEAKSPPGKTETVRDHKLSVTASMTTTTLWANLLPFCADYSLHQALLCYA
YFRYYSYQRQRLLAASPSEDDDEDTANGASTLITEDDRELARDLGQKSLRLATNRGVG
LVCSAVGAGVGTVVWPGWGTIVFSALGDATGGMITDDGYFKAKQSLEEKRAKDEARDDSI
SRQVQ

>comp8680_c0_seq1; 456 137 847 LEN=1211; translated
MTDFIEEQDAVHAIKKLM SFGFCSPRKGLSAA PSYEEDDAEATNKYAPDLAPQTPSKQGV L
ETPPATPESEDIAQKEDETEVVPEEKPEEPDQPAPAETEETPPAPTPTDDSEAPKKATEI
QKARGPENFILKCIFLLVTVLALKKLGFTTSDLDL GALVGGNGSSPSWIEVVDKQESVG
ETIAKEVPVPESEEEPPVAAEAVEQEEVVATEETYGGSPTEATTDATTEATTEGEL

>comp8681_c0_seq1; 286 65 502 LEN=3227; translated
MAVIKTGKVVIVLAGRHAGKKA VVKTDFDEGNSEKRF SHCLVAGLARNPRKVTKAMSKSK
VEKRSKCMKPFVKYINVRHIFPTRYVVDMDLKKTVDEADLVDAERRVDVKKNLK KVVLLDR
YLNQKEITSEKKAQGSNYFFQK LRF

>comp8681_c0_seq2; 286 65 502 LEN=2719; translated
MAVIKTGKVVIVLAGRHAGKKA VVKTDFDEGNSEKRF SHCLVAGLARNPRKVTKAMSKSK
VEKRSKCMKPFVKYINVRHIFPTRYVVDMDLKKTVDEADLVDAERRVDVKKNLK KVVLLDR
YLNQKEITSEKKAQGSNYFFQK LRF

>comp8682_c0_seq1; 319 1 1423 LEN=1821; translated
XKEQGYNSTCSTVSNPLSCYYWV TLLAIGFNYAPRSRTTQMLLQHRQPQVEGRSTATRFV
VYFLTACSAGLLFNSWRLERFR IESLVRNAASKISSSRALPEENHNQDIVGGEVGGNGS
ELYVPSLDYRIKGISQYSSKLSKEINFDAHVYCKEFENDLIW EWWQPSKENAKPEQIRHL
RKEDKKHVEKTTKRNTRKRL LIGVSGGYDKYSKLLERAVWSARVYAALWSSGSSKKNNS
DIVRDTDVTVVTLQGTAFSPHGCKAPSAHSSINKIRLLFEAIDAGNQYDQMLLLDPDTMI
YDMETDLTTLIGDKEDFV VAGPAILTEEGKDKYMPWKITSGITLWNLEHPSTKAVALDW
FRYAKNAI IRETYQSDQKYL LKALKNYINTNSKGVVARSSDREGIVKSLMNHQFDDGIGG
RFVKQFRVQKAKNPHDKQVEARLARMEETAGLICEHYPDACDRVGKPPRYESS

>comp8683_c0_seq1; 560 578 2762 LEN=2762; minus strand; translated
MPI SCGQFSYANIKPTRILGVS GTLEVMSNHQKIVLQKYGVSQYLYVPSVYGQSNF SFDK
GGEVSI EKSTSDFFQKITDETARVATKQRRAVIVFFNDSKRLNEYVKSAFYRKLGRKKE
ILTESKNANEKAFIISKAATAGQITICTAVFGRGTDFFSKDDALDNNGGVHV IQAFLSCD
MSEEVQIQRTARQGGKGSYKL ILLDKDLEDKFGIKCGSFGTWPRGQFYDRLCEARNKAL
ESDYLTIEMSLSKAKTKDDATHQYFDALLNSNVCKAKSLLKEIYLSM KKKHTGPMSIDLA
IAIDITGSMAPYAI AIASTIQNLLAGQNPILAKLTSKFPDSKFKLRVAVLGFRDIDDGSR

QFEELWDGVTHFGENVEDTIRYVKSLTSSTSGGSDLAEDHLGAIDRCVKWNSDDWKGM
IKAILLLTDAPAHGYAPNGDATQNIIDNYSVRHPLGLTMDSVVENVLDKIDIDLFVCSFDPI
ATQKFEEKMSEAFNRHPSNVDGREVTMVQLVPKTAHVHNKASRMMGDSRKHNIFVLDESGS
MSNDWSGVVQVYNKYLENRRQRQHSDLI SVVQFSGTARVTC SLAKVASAPRNLGYNGGG
TCFSPAACADLARKTPQSHQPVVIFMSDGM AEDSHIASSHF LSLNEELKTRSGLDLEL
HVIGFGGGTDTSQLQEIARASANGRVHTTSDIDSLSRVVFVQISGGGDNVSSVLEAEISKRI
SDAVTNRX

>comp8683_c0_seq2; 479 578 2576 LEN=2576; minus strand; translated
MPI SCGQFSYANIKPTRILGVS GTLEVMSNHQKIVLQKYGVSQYLYVPSVYGQSNFSFDK
GGEGVSI EKSTSDFFQKITDETARVATKQRRAVIVFFNDSKRLNEYVKS AFYRKLGRKKE
ILTESKNANEKAFIISKAA TAGQITICTAVFGRGTDFFSKDDALDNNGGVHVIQAF LSCD
MSEEVQIQRTARQGGKGSYKLILLDKDLEDKFGIKCGSFGTWPRGQFYDRLCEARNKAL
ESDYLTIEMSLSKAKTKDDATHQYFDALLNSNVSKFPDSKFKLRVAVLGFRDIDDGSRQF
EELKLDGVTHFGENVEDTIRYVKSLTSSTSGGSDLAEDHLGAIDRCVKWNSDDWKGM
IKAILLLTDAPAHGYAPNGDATQNIIDNYSVRHPLGLTMDSVVENVLDKIDIDLFVCSFDPI
ATQKFEEKMSEAFNRHPSNVDGREVTMVQLVPKTAHVHNKASRMMGDSRKHNIFVLDESGS
MSNDWSGVVQVYNKYLENRRQRQHSDLI SVVQFSGTARVTC SLAKVASAPRNLGYNGGGT
CFSPAACADLARKTPQSHQPVVIFMSDGM AEDSHIASSHF LSLNEELKTRSGLDLELHV
IGFGGGTDTSQLQEIARASANGRVHTTSDIDSLSRVVFVQISGGGDNVSSVLEAEISKRI
SDAVTNRX

>comp8683_c0_seq3; 487 1 2712 LEN=2712; minus strand; translated
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DEV DVFFGSEFYGREYLLSLRYQMTIPSCATNMCDLTGIFSTFFCNDFDGTYNQVAELRE
PEVATILRTIWEHGKRGGRKLR LADIKALVEYTHLRHKLAGEFLIDNEISLMLDQVRRV
DDEPMYHLDRVSDRIGYKI QDTISYNVTYGYRTIFAYLKEADNGNLNNPAGTLARVLTMP
ISCGQFSYANIKPTRILGVS GTLEVMSNHQKIVLQKYGVSQYLYVPSVYGQSNFSFDKGG
EGVSI EKSTSDFFQKITDETARVATKQRRAVIVFFNDSKRLNEYVKS AFYRKLGRKKEIL
TESKNANEKAFIISKAA TAGQITICTAVFGRGTDFFSKDDALDNNGGVHVIQAF LSCDMS
EEVQIQRTARQGGKGSYKLILLDKDLEDKFGIKCGSFGTWPRGQFYDRLCEARNKALES
DYLTIEMSLSKAKTKDDATHQYFDALLNSNVSKFPDSKFKLRVAVLGFRDIDDGSRQFEE
KLWDGVTHFGENVEDTIRYVKSLTSSTSGGSDLAEDHLGAIDRCVKWNSDDWKGM
IKAILLLTDAPAHGYAPNGDATQNIIDNYSVRHPLGLTMDSVVENVLDKIDIDLFVCSFDPI
ATQKFEEKMSEAFNRHPSNVDGREVTMVQLVPKTAHVHNKASRMMGDSRKHNIFVLDESGS
MSNDWSGVVQVYNKYLENRRQRQHSDLI SVVQFSGTARVTC SLAKVASAPRNLGYNGGGT
CFSPAACADLARKTPQSHQPVVIFMSDGM AEDSHIASSHF LSLNEELKTRSGLDLELHV
IGFGGGTDTSQLQEIARASANGRVHTTSDIDSLSRVVFVQISGGGDNVSSVLEAEISKRI
SDAVTNRX

>comp8683_c0_seq4; 449 1 2508 LEN=2508; minus strand; translated
XAKGNIREMTLSLINGNQCV DQKPM SKTTKISNSREADGKDSNTSSKTMKKS FVEEIMLV
DEV DVFFGSEFYGREYLLSLRYQMTIPSCATNMCDLTGIFSTFFCNDFDGTYNQVAELRE
PEVATILRTIWEHGKRGGRKLR LADIKALVEYTHLRHKLAGEFLIDNEISLMLDQVRRV
DDEPMYHLDRVSDRIGYKI QDTISYNVTYGYRTIFAYLKEADNGNLNNPAGTLARVLTMP
ISCGQFSYANIKPTRILGVS GTLEVMSNHQKIVLQKYGVSQYLYVPSVYGQSNESKNANE
KAFIISKAA TAGQITICTAVFGRGTDFFSKDDALDNNGGVHVIQAF LSCDMSEEVQIQGR
TARQGGKGSYKLILLDKDLEDKFGIKCGSFGTWPRGQFYDRLCEARNKALES DYLTIEMS
LSKAKTKDDATHQYFDALLNSNVSKFPDSKFKLRVAVLGFRDIDDGSRQFEEKLWDGVTH
FGENVEDTIRYVKSLTSSTSGGSDLAEDHLGAIDRCVKWNSDDWKGM
IKAILLLTDAPAHGYAPNGDATQNIIDNYSVRHPLGLTMDSVVENVLDKIDIDLFVCSFDPI
ATQKFEEKMSEAFNRHPSNVDGREVTMVQLVPKTAHVHNKASRMMGDSRKHNIFVLDESGS
MSNDWSGVVQVYNKYLENRRQRQHSDLI SVVQFSGTARVTC SLAKVASAPRNLGYNGGGT
CFSPAACADLARKTPQSHQPVVIFMSDGM AEDSHIASSHF LSLNEELKTRSGLDLELHV
IGFGGGTDTSQLQEIARASANGRVHTTSDIDSLSRVVFVQISGGGDNVSSVLEAEISKRI
SDAVTNRX

>comp8683_c0_seq5; 522 578 2558 LEN=2558; minus strand; translated
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NEKAFIISKAA TAGQITICTAVFGRGTDFFSKDDALDNNGGVHVIQAF LSCDMSEEVQIQ
GRTARQGGKGSYKLILLDKDLEDKFGIKCGSFGTWPRGQFYDRLCEARNKALES DYLTIE
MSLSKAKTKDDATHQYFDALLNSNVCKAKSLLKEIYLSMKKKHTGPMSIDLAI AIDITGS
MAPYAI AIASTIQNLLAGQNPILAKLTSKFPDSKFKLRVAVLGFRDIDDGSRQFEEKLWD
GVTHFGENVEDTIRYVKSLTSSTSGGSDLAEDHLGAIDRCVKWNSDDWKGM
IKAILLLTDAPAHGYAPNGDATQNIIDNYSVRHPLGLTMDSVVENVLDKIDIDLFVCSFDPI
ATQKFEEK

MSEAFNRHPSNVDGREVTMVQLVPKTAVHNKASRMMGDSRKHNI FVLDESGSMSNDWSGV
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CACDLARKTPQSHQPVVIFMSDGM AEDSHI ASSHFLSLNEELKTRSGLDLELHVIGFGGG
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X

>comp8683_c0_seq6; 441 578 2372 LEN=2372; minus strand; translated
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NEKAFI I SKAATAGQITICTAVFGRGTDFFSKDDALDNNGGVHVIQAFLSCDMSEEVQIQ
GRTARQ GKKG SYKLILLDKDLEDKFGIKCGSFGTWPRGQFYDRLCEARNKALES DYLTIE
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THFGENVEDTIRYVKSLTSSSTSGGSDLAEDHLGAIDRCVKWNSDDWKGMKAILLLTDA
PAHGYAPNGDATQNI DNYSVRHPLGLTMDSVVENVLDKDIDL FVCSFDPIATQKFEEKMS
EAFNRHPSNVDGREVTMVQLVPKTAVHNKASRMMGDSRKHNI FVLDESGSMSNDWSGVVQ
VYNKYLENRRQRQHSDLI SVVQFSGTARVTC SLAKVASAPRNLGYNGGGT CFS PAAI CA
CDLARKTPQSHQPVVIFMSDGM AEDSHI ASSHFLSLNEELKTRSGLDLELHVIGFGGGTD
TSQLQE IARASANGRVHTTSDIDSLSRV FVQISGGGDNVSSVLEAEISKRISDAVTNRX

>comp8683_c0_seq7; 530 1 2694 LEN=2694; minus strand; translated
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DEV DVFFGSEFYGREYLLSLRYQMTIPSCATNMCDLTGIFSTFFCNDFDGTYNQVAELRE
PEVATILRTIWEHGKRGGRKLR LADIKALVEYTHLRHKLAGEFLIDNEISLMLDQVRRV
DDEPMYHLDRVSDRIGYKI QDTISYNTYGYRTIFAYLKEADNGNLN NPAGTLARVLTMP
ISCGQFSYANIKPTRILGVS GTLEVMSNHQKIVLQKYGVSQYLYVPSVY GQSNE SKNANE
KAFI I SKAATAGQITICTAVFGRGTDFFSKDDALDNNGGVHVIQAFLSCDMSEEVQIQGR
TARQ GKKG SYKLILLDKDLEDKFGIKCGSFGTWPRGQFYDRLCEARNKALES DYLTIE MS
LSKAKTKDDATHQYFDALLNSNVCKAKSLLKEIYLSM KKKHTGPMSIDLAI AIDITG SMA
PYAIAIASTIQNLLAGQNPILAKLTSKFPDSKFKLRVAVLGFRDIDDGSRQFEEKLWDGV
THFGENVEDTIRYVKSLTSSSTSGGSDLAEDHLGAIDRCVKWNSDDWKGMKAILLLTDA
PAHGYAPNGDATQNI DNYSVRHPLGLTMDSVVENVLDKDIDL FVCSFDPIATQKFEEKMS
EAFNRHPSNVDGREVTMVQLVPKTAVHNKASRMMGDSRKHNI FVLDESGSMSNDWSGVVQ
VYNKYLENRRQRQHSDLI SVVQFSGTARVTC SLAKVASAPRNLGYNGGGT CFS PAAI CA
CDLARKTPQSHQPVVIFMSDGM AEDSHI ASSHFLSLNEELKTRSGLDLELHVIGFGGGTD
TSQLQE IARASANGRVHTTSDIDSLSRV FVQISGGGDNVSSVLEAEISKRISDAVTNRX

>comp8683_c0_seq8; 568 1 2898 LEN=2898; minus strand; translated
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DEV DVFFGSEFYGREYLLSLRYQMTIPSCATNMCDLTGIFSTFFCNDFDGTYNQVAELRE
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DDEPMYHLDRVSDRIGYKI QDTISYNTYGYRTIFAYLKEADNGNLN NPAGTLARVLTMP
ISCGQFSYANIKPTRILGVS GTLEVMSNHQKIVLQKYGVSQYLYVPSVY GQSNFSFDKGG
EGVSI EKSTSDFFQKITDETARVATKQRRAVIVFFNDSKRLNEYVKS AFYRKLGRKKEIL
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AILLLTDA PAHGYAPNGDATQNI DNYSVRHPLGLTMDSVVENVLDKDIDL FVCSFDPIAT
QKFEEKMSEAFNRHPSNVDGREVTMVQLVPKTAVHNKASRMMGDSRKHNI FVLDESGSMS
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FSPAACDLARKTPQSHQPVVIFMSDGM AEDSHI ASSHFLSLNEELKTRSGLDLELHV
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DAVTNRX

>comp8686_c0_seq1; 188 1 432 LEN=670; translated
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YRRCPYGWSLVNDGFYTAQHNTN

>comp8686_c0_seq2; 63 1 534 LEN=534; translated
XLNPEASTAKQNQHMDQPPVSSNSFDELNSVVFARGRDIDNLPGNLAYS LARERAQE
YKSCP DN RAGNARKREIAKEIMNAFGNRI FVRVRGEFFHLLDEIKATKKIMQTI RDM EVPI
NGVVQSHDHGDIDHQIPVAEDNNVDPGVVPKNENNRGLDHQQNPGAGGNDLFAEATL

>comp8686_c0_seq4; 85 206 360 LEN=360; translated
MTXGDIDHQIPVAEDNNVDPGVVPKNENNRGLDHQQNPGAGGNDLFAEATL

>comp8688_c0_seq1; 673 124 1947 LEN=1976; translated
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SMDDTSGVRAVELLEKHLPPKHRTARSSTGSFAKLKWKWILQSPLKRSEVLCHQSDYISTKL
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EDRVLGILPTKVSPGAPLGCISETAADELGLSRDVTIVGGTTDSNAAFYAAAASGSISC
SGSGIDDGITIPYGTAVTSLGSTTAKFLSKTYVEDSTLGVYSHRFPAREIFSTTTANEA
GNQADLDQGGHEEAWLVGGASNVGCAVFRALDFTDDELKRSADIDPSTDSEAYLRYKYY
PLLPKGVGERFPTADATKKSULEPIPADTSSDSRTEYLKGLFQSITTEVERKGYEVLRLD
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AGIRLRK

>comp8689_c0_seq1; 659 109 1758 LEN=1875; translated
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VKDLTKGGESERSAVSRWCGSADGLICTYDGADEGSNGDPKGFRAALRAATMEASKAVAG
PQVAVLAAEEDLEDNNAENSSNDAEGGGISNLVGSILGGGSASVPSTLPGCISTAKSEDI
CVVRHGELFGIPESSPEFSPLIGGPRVEPAITEEYTMRTVRVDPFIVSGNVMGSSSQLKS
CRHSVGESAAALFATKNLSISTSSDSRSPAVISISSQSGTDKWTLEQWKEELERVQELVDS
GKASTLFSSQDMIVEDTERLADWLASKWAPAVMKTIDIAAIRIGRPVSAMRSGEGRVDI
TWQELVDFNSVTVGKMLQVNEGDITATRPGPDASKGYGAISTLPLNGEDVLRRLAEAA
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PRSRGSKKQ

>comp8690_c0_seq1; 309 108 674 LEN=696; translated
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LDITGDKVVLEKVPQPSVDQFLTDLPKSDGEKLPNFYKDEHPWVAPIKMLNELVPIKDE
GFVLPQTQVSYVGKSGLLYDNDEESSGSAQVVSFLKTKGVSISALIVQEFHLVLDQDTIPHT
YSLMTKFL

>comp8690_c0_seq2; 1456 278 3382 LEN=3540; translated
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TCYVVASQNNKDFYNLISVYADAVFHPRAISDPMVHAQEGWHLELDDKEDPLIYKGVVFN
EMKGVYSSPDSLLNRESQRSLYPDTTYGVDSGGDPRVIPDLSFEQFADFHKKFYHPTNSR
IYFSGDDVVKARLEIMDSYLDEFDFSPESKPGSVIEWQKKKYTEPKKETHYPYIGEDQPE
THMMNINWLLNDEPMSFDELITIGILDHLLMGTSSSILRKS LME SGFGEAITGGGLSDEL
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TIEMKPSKTYESELLKEEEDKLNKIKESMNDAEIEKVIEETTKLKLQAAEDSPEDRATI
PALEIEDLKREVTEYPIEETKNENDTGITVLRHEL GSTSGIAYVNLAVDLSALPVDDIPL
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LLVRGKATSDNVGELFALMKTVLT DANFDSQSRVVEMLKETKAGMEAGIGAGGHQAINTR
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GFVLPQTQVSYVGKSGLLYDNDEESSGSAQVVSFLKTKGVLWDHVRVMGGAYGGFCTFSFP
SGFFSYLSYRDPNLSKTLDIYDAAGDAVLSAAEQMKNDPDMLSQAIIGTIGEIDGSLSPD
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>comp8690_c0_seq3; 487 108 1052 LEN=1210; translated
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GFVLPQTQVSYVGKSGLLYDNDEESSGSAQVVSFLKTKGVLWDHVRVMGGAYGGFCTFSFP
SGFFSYLSYRDPNLSKTLDIYDAAGDAVLSAAEQMKNDPDMLSQAIIGTIGEIDGSLSPD
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AEKDGGKFKILKTIV

>comp8690_c0_seq4; 1278 278 3004 LEN=3026; translated
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IYFSGDDVVKARLEIMDSYLDEFDFSPESKPGSVIEWQKKKYTEPKKETHYPYIGEDQPE

THMMNINWLLNDEPMSSFDELITIGILDHLLMGTSSSILRKSLMESGFGEAITGGGLSDEL
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TIEMKPSKTYESELLKEEEDKLNKIKESMNDAEIEKVIETTKKLELQAAEDSPEDRATI
PALEIEDLKREVTEYPIIETKNENDTGITVLRHELGSTSGIAYVNLAVDLSALPVDDIPL
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LLVRGKATSDNVGELFALMKTVLTANFDSQSRVVEMLKETKAGMEAGIGAGGHQAINTR
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YSLMTKFL

>comp8691_c0_seq1; 129 217 738 LEN=999; translated
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ESHQESPTGQHPQQSLSPMPTSPHGCFFAVPGELSRFPKDDSLWGTDANHTVMGTRSHSR
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>comp8692_c0_seq1; 225 904 1521 LEN=1645; translated
MEDQQQQQHQSQSQTAKIRDVTDPSDLKNIRIESIRKELSNLVGSSGIRLTAAGLLSSSIV
LAWIARIRSIRQELQQERESHQLRQIQLRGQRSNHLANDIADDGRNGILSSAVNMKMI
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NYESCPVTGKLCPE SRLVRLYEPTH

>comp8694_c0_seq1; 354 1 1194 LEN=1443; translated
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GDGTIVAIADKHADLQALDDVGVVAVYRETNGTWAGMGNLWGSQERDQFGWAIALSEDG
TRVAASSLGNSEPGKVRVDFDNGTAWEQIGTDVAGESRRELFVAVELSGDGSILAVGAS
SYSRGGEEENVGIVRTYRYDRDNGDWLPHGQPLEGDRGLDAFGSSIALSHDGSVLA
VGGPENGAFCDACGHVRVFRASGGGSADGAGATWEAAGRTDLGRTGIDGGQFGYGV
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>comp8695_c0_seq1; 306 53 604 LEN=756; translated
MFLLRVLRFALTYLLFPTVVEGFVSNKLSMDAGKKQIIQMNDKDLSTGAAEPAAASSAC
P HPFTQLPGDPSLVLTNLDLGTKKLDVMKKVSKAISETTGKPE SYIGVSITDNASVIFGG
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T FAG

>comp8696_c0_seq1; 663 92 1717 LEN=2234; translated
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RKKGSGETVSSTKSDSPSVHVALQMP EGGLLLYATVLSVQLRVAATNEGPAETATEDQQP
LLRVSVLGDVTYGACCVDDLGAQALGCDLLVHYGHSCLVPIQHTVVPCLYVVEITIDVK
HLVECFHKTILENPSLMDGSGRKP HVYLLGTIQFRHALMEARRLLRSEPYEYELSIPQAK
PLSPG EVLGCTSPALANQRASEESNPNAVVLVADGRFHLESTMISNPHIAKFYRYDPYP
KTLTEESYDHVRMKSRYEAIQKARLRIQSKKEEQPQGTAVFGIILGTLGRQGNPALLTK
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EVAAG V

>comp8697_c0_seq1; 230 288 1499 LEN=2211; translated
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FYERFPNYVWATMGFNHLSVDWLP CGRRPAGYKTAQYDMSFFRVTP EFRAETMTCKLKEP
GSMTIVPGE EFC DTEQDDPNGMNFVVPASVTDREPVVNM PKEFTHKDLTDAPLPHIGLR
SWNKAVVPEQPGGWNDVPAFMSSYAGKTMWQAHI PYKLISGNNRQFRSNADRYEYETTIP
TMPDTSVSKYDEVDGTIEFTMVGNAQLCRGDFDRAQEAAGGPPVFPVWVDP
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>comp8697_c0_seq2; 211 956 1651 LEN=2363; translated
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RYEYETTIP TMPDTSVSKYDEVDGTIEFTMVGNAQLCRGDFDRAQEAAGGPPVFPVWVDP
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>comp8698_c0_seq1; 588 96 2051 LEN=2051; translated
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ATKRKKRENRADAKNEQKKHKYQKKRYKQDASESQKKKDNRRATGPGDPDEGDDTEEKRE
GGEEKEDMYFRDPNAQVVDWDYFPKHEPRRDVSWTEAENSESSINSMDEEECEKFMKYID
TSPPKPRKASNKACEGYDGVLHISHFDVGAASGTAFFMFTIGMLAWADQHNYLPWIHIDS
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RDI IETSRLFLEFAKAFVNNGGGSIYVATDSIKVVETILQEWPAAHVVEHIVRQSTAVALS
NETASFALGVSPHRSNIEALTDLLALSCKCTFLLHGLSALSALSEAAFYLNPDVARSINLEDT
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>comp8698_c0_seq2; 540 96 2029 LEN=2029; translated
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TSPPKPRKASNKACEGYDGVLHISHFDVGAASGTAFFMFTIGMLAWADQHNYLPWIHIDS
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RNETASFALGVSPHRSNIEALTDLLALSCKCTFLLHGLSALSALSEAAFYLNPDVARSINLEDT
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>comp8698_c0_seq3; 536 96 2125 LEN=2125; translated
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>comp8699_c0_seq1; 161 1 522 LEN=814; translated
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>comp8699_c0_seq2; 113 1 344 LEN=487; translated
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>comp8699_c0_seq3; 161 1 522 LEN=705; translated
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>comp8700_c0_seq1; 265 1 886 LEN=886; minus strand; translated
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ESAPQTTVADIAMAVRPMRSLDSETHSNDETNPHTL IAE PGRYFVEGAFALASRIYQ
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>comp8701_c0_seq1; 717 47 1243 LEN=1308; translated
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CERHSLDSMLKEVGESYELGVKTFVLFPPKVPDELKTNLGVEAYNPEGIVPRAIRMIKEAY
PESVVVTDVALDPYSDQGHGDAVEDGKILNDVTINQLCKQVICQARAGADIVAPSDMMDG
RVKAIRDALDSEGFTDVSILSYTAKYASAYYGPF RDALD SHPGFGDKKTYQ QDPANGREA
LIEAALDEAEGADMMMVKPGMPYLDVIRRLK DASA LPIAAYHVS GEYAMIKAACERGWLD
EKAVVME TLT CFKRAGADI IILTYAKQAAQWIKEDGLY
>comp8702_c0_seq1; 350 140 1341 LEN=1841; translated

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GGFCGVEIDRPGIWWWVEGTGDLIKVSSCNKQTNIKVKMSVFSGSCDELECVTGSSEDPDF
ECTTCDEVNAIGEWKTFATAITFQSELEKNYYVLVQQADEQPGTIWLNFQTP IIPQNDNC
VDAIGPVPRDMTTIENSNEFASISVMDDYCGGEFVPSRYPGTWQVMGTGGLVSVSACSP
WNFDGYAFSVYYGDHCDNLECVAGAYEVNIEDPDHCVFVSGNQRAMTRYTFDTIDRSRY
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>comp8702_c0_seq2; 410 121 1416 LEN=1916; translated
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CGGEFVPSRYPGTWQVMGTGGLVSVSACSPWNFDGYAFSVYYGDHCDNLECVAGAYEVN
IEDPDHCVFVSGNQRAMTRYTFDTIDRSRYVYVHWAQTRSEKPTADFRFFVNDGREGDA
GTSGAHVIAIEPHTTYDWSGYRDTGRSIRGTGDEEGNADNEQPSSSSNIQIHRGLSIFV
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>comp8703_c0_seq1; 231 1 848 LEN=1193; translated
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>comp8704_c0_seq1; 94 75 1187 LEN=1250; translated
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>comp8705_c0_seq1; 190 313 1093 LEN=1255; translated
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>comp8705_c0_seq2; 308 313 1476 LEN=2485; translated
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>comp8705_c0_seq3; 379 313 2052 LEN=2362; translated
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VTCICPDESPPGMIEMALHNLAIELMMVPSALKTAYEQSQQFPVTVYVNTPEFRLRFLRAE
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RIIVGIPAQDHRHQEAH IRAKIHLYLWVWAGESVESQRKGMVFITIHNPDIADSTTTGST
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SFTAAMLKGDRCRIKVHHGH DVENRYKLN GYGIPLDQLPITDSGTIKTTFFKRWMQFRKT
LEEPTSDLFEIRESIIECPGLADVIFRPGQSSICHPGNMNFRSLVESKHYESVAATREG
KVDITKGV LQEIRSMGGKFLVWDHRNFVWELEDEKKIYAKIAIFFRNSKVSVKAKKNCQS
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>comp8707_c0_seq1; 533 1 1435 LEN=1446; translated
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VSIKSLPREIELMDDDDDEYARGNKDDGSFFDDNRSLGSRSAASRVSRRLVSGSRIRNR
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IVDPYGEKGVYTGALSKSTCMPNGKGRLEYEKESRWYEGDWIHGRWTGYGRLSNGDGDY
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>comp8708_c0_seq1; 277 1555 2418 LEN=2548; translated
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>comp8709_c0_seq1; 470 439 1848 LEN=1950; translated
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LSSSGRLRVDKSMRCSFKKEKSAEDASKPASFPVWALGDCSEIVPASQPATPRTAQAAM
QQADVVASNVLANISNRKTDPKTFEFQDLGSMLSLGGPNAAILGPDEDSQIGSLLVPLLD
TARVGLGVADSI FAGIVNSPQIDKNGDLKPVVENLGLSLGGYGLGVDPETTPGTLSTLS
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>comp8710_c0_seq1; 274 162 539 LEN=707; translated
MKSVSSSFLFAFLVGAALFCSSCAAFGVANSNTHKPLAETGELSRKTFSSAAKAMGAAV
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KATAQ
>comp8711_c0_seq1; 196 282 1012 LEN=1044; translated
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DNDDDRNDDKLHRRNTKQYDEDDTNITPFGEACWKYGRKETIQLIESTIADSSSRET'TM
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LGV
>comp8712_c0_seq1; 509 185 1639 LEN=1969; translated
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NKENPSKYGDDNHKPEMAIALTPFEAMCGFRRLLEEISLLIKKHPEFAACISQEAFLAVFL
SANTSTQKDAMQKLFSSFMSCDPEVSSKQLDLLLLRLQAEQSNFHVHPHDEPAWERKCSR
AVLRLAQQFPGDPGAMAPLFLNYLLIAPGESFFMAANEPHAYVAGEIIECMACSDNVVRA
GLTPKFKVDNLVNLTYSMGGPNIDGGAYSMPNDVIRYSPPCPEFEVMFLTVEPGKQS
KFKNPGVPVILIILEGSGDLGKVCPRGRSYYWPANTDDLLFTVDSKRGPMKVAMAHKN
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LPPL
>comp8712_c0_seq2; 420 185 1111 LEN=2079; translated
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NKENPSKYGDDNHKPEMAIALTPFEAMCGFRRLLEEISLLIKKHPEFAACISQEAFLAVFL
SANTSTQKDAMQKLFSSFMSCDPEVSSKQLDLLLLRLQAEQSNFHVHPHDEPAWERKCSR
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YLPQLLYG
>comp8713_c0_seq1; 522 1 2262 LEN=2262; translated
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EEFAEETKSLSQKIFETCHLLSSSSHNPDGLVLRKTRSCSSNDVDCILPNVIGYDALS
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QAFQKIHSRFRDLQVESSVSFCVSEGGQSSSLNNDHRNDEAWDNLPPYSMDRGTYFNEE
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SRVTDMSNMFFAARSFNHPIGYWDVSSVENLYGIFIQANTFDQDLSSWNTSSVRNTQYTF
RNAYSFNQPLDSWDVSSVTNMAFMFSGAKAFNQPLETESTKTRTPGFNLVGSSSKDKKDK
NKDRFWDISSVTNMKHMFSMANSFNQCLGSAASLSSHEDAGEDSTLHMFRRTSCPNHKQ
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>comp8713_c0_seq2; 577 136 2249 LEN=2249; translated
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LPNVIGYDALSLSSAYANTDDEILNDDAALGICYPRAKLHSSYWQGIIDDGTFHLDVNRN
FFHHNSRKENNAQAFQKIHSRFRDLQVESSVSFGVSSGGQSSSLNNDHRNNDEAWDNLPY
SMDRGTYFNEETPTTIDQCESYCQDFGRPLVRLGQDLIDNQQNLTQIPSTFTTELLSLCMD
SYIMIYSWGLSSYPSPWCPIDLSIPMNCWDTSLITDMSEAFAGRKKFNWRLNCWDTSSVTD
MSEMFYASSFNQDIDLWDTSQVTDMNQMFYIASSFHQHSIANWNTSSVTDMSLMFVSAR
LFDGPIGGWDTSRVTDMSNMFFAARSFNHPIGYWDVSSVENLYGIFIQANTFDQDLSSWN
TSSVRNTQYTFRNAYSFNQPLDSWDVSSVTNMA SMFSGAKAFNQPLESTTKTRTPGFNLV
GSSSKDKKKDKNDRFDWISSVTNMKMHF SMANSFNQCLGSWAASLSSHEDAGEDSTLHM
FRRTSCPNHKQNTENDNSSTTPPLADNGTPPFNKGPWCQNSDGCYDVEPYIRSDGNLAF
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>comp8714_c0_seq1; 811 27 1794 LEN=2026; translated
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RQGRNRSYQVTDWAHRSVLWTFLLGVYSRKNKVKQTKEELEVHKKINEEFQSLHRPMGQW
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FTHEVPYILDASNGKNSRQPSFNSVTKFYQEQDVIPTCFGGVFATQWQQLIADDAPVTP
HGWSVITNELSRADNIEEGHYMERWWADLLSWSSYTSKRQAKRREELKHQLVPTAAPTEA
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>comp8715_c0_seq1; 443 1 1003 LEN=1131; translated
XICSLPIQISDFKFCNQFYVKYPMDSLTFENVSCGIVALAALNLCMKAVSNLYKTFLRP
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EVSYLVC DYSKFDKAAQEKVAKVVKLEVGVLVNNVGVSYRYPMFFHELSDSEVQDLMTM
NIDSTVWMTRMVI PGMLERKKGAI VNISSASAMYDLPLLA EYSGSKSFI EKFSRALNAEY
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>comp8716_c0_seq1; 632 302 2653 LEN=2775; translated
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SNITQCQEQRRLVIGVIEECQHPTVYDGMCVVCGARRVSTKEDQNPQTLSNSKNSK
TSQVTVSGGVTMVVSQRESESMALLDSKRLFGQRRLSLVLDL DHTLVHATSDIRARKYLT
SDPKAEHHGDVRTISLPMFEGADPSKKKGM DPQH AHLRSQH FVKLRPYVKEFLEGVQD
TYEVSVYTAGTRQYAEI IAMVLCRKL AGSTIDSDELEHLRYNVK I AENELARSLKAENKRTM
NQVLPVNENTSADIVGDKTKEGPPRKKKVSFQ TSEAVDNKGGSENHQPM TKEKLACMRS
ELLSAENLEAKAKDLRQKLFGRSIVSR TDVGD LGRDVKSLK RIFPCGGTMTAVVDDREDV
WANAKDNSDSTIKGEPDNL LVRAYHWQPFVGFADINNAAGADLSGSAPT KSDEQLLWT
KNILENLHRRYYKQSSEGSQKTPETL KEMRKEVLMGSMNVL SGLVPLHKQSF GASAVRP
HFIRYAQNLGAKIQDVVGC RVTHVVA AKDGTDKALAA RKP GCKLVKSAWLMCEVWSMTR
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ANXW

>comp8717_c0_seq1; 796 286 1866 LEN=2494; translated
MLSMSSNNIDISSASSEENDGEDGESGRQHRLAKAQAEIDRILNNPIDPPDFEKEMKK
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QANA AFYRAFSEKDIREMDRLWLKDRSCVCIHPSFKPITGVNDIMKTWKRMFESSAGS
FQRTWIDPCEIQLTVKATTAVVTCVEDVYARRFVRGKKRSELVNKLTATNIFRKVGRWY
TYHSSWHADSEAAKRALKSQNRNKKTKSLSSK KISSPDPFDDNPLINLRSKRKKRHEDN
DDESKSDDRTEIESILGIENFGPI LGDDSEAKQERPTGSSNLD FLKDLGLGGLGGIDGI
LGMGSTDGTGLPPGSIIRISKVNNDVDNGDDGEEIDDYDDDQDDED FDEEDEEETTTNP
EELSVFELLDEKRKKNRMKVSGKLSSELQR CIDALRKLANDGRI SPKQKRVLLTDIIS
SSARGEKSLVHAYKLLCVDPTDEEAAEEDFVDQCQVFAQSFFEIQ

>comp8718_c0_seq1; 166 217 629 LEN=629; translated
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FDYTGNNIPDS DVTGSDG

>comp8718_c0_seq2; 606 613 2696 LEN=2696; translated
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LSVLDINTNFFTGTIPTTIGNLTSIKLLDASSNFFSGTLATEVQGKDLVTFHVDSNFLS
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FEVDTLDPVFLSKSLKIMDLSFNLNATFNISTLLGLDQVENLHMADCSISSSLPDEIST
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>comp8719_c0_seq1; 301 1 1498 LEN=1631; translated
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LTRKNTMDEPPDVQSPWKLFPQYNLLVKKHGADSVKLIYMVRHAEGTHNVRDFKSIE
QLDARLTPFGIQCRELRDELLLVKNGTTDKRCREEDTASRNGWKYHTQGLDRLMENLK
ETRSHEKIDGHKNDNTCVVVSPLTRCIQTAMYSFEFFTQVTTTTGKEQDYSSTNDNT
KVPFLGIEALRETVNYNCDRRRRRISEVANEFPEIDFTHCHSNEDEIWLSYRGREKQDEGR
ERTFVDGTLLEGAKKNYLESAQLYAVANRGRNAMEFIQSLPQSKIVVCTHSAYLRCILNW
GQTGGVPMFQRLDDREDPTRQDKLFYCFEQNESIDQSSSESIKDQISQFDQASFEKYM
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>comp8720_c0_seq1; 513 222 1052 LEN=1573; translated
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RAYGLAMQKVKDRKSKIEQRASEKKDVLERVEEAEKQKELWMEDEVARMNRNVLDSEFRVDG
KDLSDEDDDSVSNKDDDEKEDVIDTKIYDDQKTETTWWGGQVTVTTSVVELGDDSSDDDF
DGSDDRGNRKAQSVDTAQKYAGDVNKFMDDELKGNMPGKKNRDNRGNAKRKKGKDGASEMKG
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>comp8722_c0_seq1; 141 833 1675 LEN=2670; translated
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LMLGVLLFSEPIWGRNDDGESALSTTEGGNAALGTLAVLTVMLSGFASIYFEKVIKLDP
LQLGIWERNFQLALGSVPVYLLFIAGNGGGTAGFFGGWSWLAFLLSALGAAGLLVALSI
KYGDSILKTLATTGAIVLTGMLDHALLGGPLTPTMAIAGVQVIAICNYTFDASPAPIDS
GASKGTSATKSNSMSTLIPSGEADETPPSWSTRDGSVQKR

>comp8722_c0_seq2; 189 73 1395 LEN=2390; translated
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TWMISKNIASEGDSLQSSAERTPRKSLRAELVYLVETSRKMMVLALIYGSMNLSFISLR
NISAGMFTIFAQCKILSTAMCSTIMLGRQYSWTKWRALIALMLGVLLFSEPIWGRNDDGE
SALSTTEGGNAALGTLAVLTVMLSGFASIYFEKVIKLDPLQLGIWERNFQLALGSVPVY
LLFIAGNGGGTAGFFGGWSWLAFLLSALGAAGLLVALSIKYGDSILKTLATTGAIVLTG
MLDHALLGGPLTPTMAIAGVQVIAICNYTFDASPAPIDSGASKGTSATKSNSMSTLIP
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>comp8723_c0_seq1; 101 1213 1493 LEN=1493; translated
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>comp8724_c0_seq1; 196 1 859 LEN=986; translated
TFLIIVPVNPYQYGTPNENSDETLDNIASPVLAGSGSSFSFAPAI FHRQQHSSVGESRL
FQSSIAIPEEKYSQGRSGAGVSKSRSRVRVDPNSNIYAPKSSNATITPHEDTTKDVVD
AEEQIGILRSKTLKELKLACSRRNIMYKGFSEAEYVQAILEDMEKTLAFSVTGLIQGS
VTELTGEQLDQEMTRQESLILVDVYATWCGPCRVLQPQLQVAAQKLVEEVRVAKIDADK
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>comp8725_c1_seq1; 773 244 2232 LEN=2583; translated
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DKVECQIQDVGRPYESSNSKQDVKKEKGTIDEEKVKSNSGSI SAASANKRNRGFTLEKVI
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FSKPKNNNRNGVSDSNCHFQVNPAASILQIDLKLEAQRakeHGSGVPTKAKSSNSNKGNS

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GNRDVARAGGKVSRIK MIDDV DALTRPQQSTASAAEQ RASKRKRILEGGASSFANPRL
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RY

>comp8726_c0_seq1; 628 46 1813 LEN=1813; translated
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KLGCIINGSSSESLDLYAEGWINFESEVAVMVVRSANDVDTDSYPAVNAIQQDSICRVVIA
PARHVSSDIRSKCEEIARSAIASLNGASGVFVVELFVTKDGDVLLNEVAPRPHNTGHYT
QDACAVSQFENHLRGVCSLPLGSTMVVEAAAMVNILGAPSGTVEDTLRSSNAAMDMDTA
VVHWYGKHGCRAGRKMGHINLTGASYGEMDDNLSLLLDIEGIPRSLP PGGSF EKSP LVGV
IMGSQSDLPSMNA AIDILK KFDIPYEVDIVSAHRTPKLVSYSREAVDRGLRVI IAGAGG
AAHLPGMVASMTPLPVVGVVKTSTLSGVDSLVSIVQMPRGIPVATVAIGNATNAGLLAV
RMLCTSRPELRQKMIGYQAEITEMVNGMSSKLVLDLGSDAFLDQMESKNTX

>comp8727_c0_seq1; 352 1 1199 LEN=1245; translated
XINKLNYIPYELGISSLS PYSYLQRISLPRNKPI SIHRREP KESKTF LHDAGSLSRCCYI
LLLACATEHAMGWVSPHRQGI FGPRVSPAGSTTGLN MGLRSGVRRVRDSILSKERTRKD
LKIGIAGFYDRSSKLWEDVWGEHMHGYYIPEDRTDHVQAQIDLIDEVLKWADVTEATSV
VDVGCIGGSSRRIARKFDCKAQGITLSPYQAARGNELAIEQGLADKASFQVADALDQPF
EDNTFDLAWLESSEHMPDKK FVDELFRVVVPGGRILIVTWCHRDL EEGETSLTKKEER
ILARINRAYL PKWCSVQDYVDLLEAKGATDVKREDWSYI IAPFWKAVIKSSLNLSIVG
LAKSGFSTIRGAYAMFLMLRGFNLGVIKFGLITCTKPKN

>comp8728_c0_seq1; 176 708 1732 LEN=2693; translated
MVFVSELGDXLATGINDQVAWSLTLPHKSRTTGGPSLFGFPDHAYLAIASHALDQLNVPN
DLQICRQWIIQDQGLSAGSMAS SGNPLGHPAAGWTGMGAPFASTSHSVPDEI ICYNAESS
MGRMIDHYSQFLEPVINCCADEKECAICLDVMSPSSLTDTTNI VCLRKCKHRFHKSCIIG
MLEQNHTKCPFCRETIAAESQGLSPSGKLTISLDLSIRCQ GSEYDS DGVI VLQYSMP EGI
QAHYMPNPFMRYAGTSRRAYLPHNESGRALLKRLKYAFTHGLTFRVGTSLTTGKQNQITW
ASIHHTSLRSGPHGY PDPQYLRNCNDSL DALHVPKGEDCP

>comp8728_c0_seq2; 176 708 1732 LEN=3485; translated
MVFVSELGDXLATGINDQVAWSLTLPHKSRTTGGPSLFGFPDHAYLAIASHALDQLNVPN
DLQICRQWIIQDQGLSAGSMAS SGNPLGHPAAGWTGMGAPFASTSHSVPDEI ICYNAESS
MGRMIDHYSQFLEPVINCCADEKECAICLDVMSPSSLTDTTNI VCLRKCKHRFHKSCIIG
MLEQNHTKCPFCRETIAAESQGLSPSGKLTISLDLSIRCQ GSEYDS DGVI VLQYSMP EGI
QAHYMPNPFMRYAGTSRRAYLPHNESGRALLKRLKYAFTHGLTFRVGTSLTTGKQNQITW
ASIHHTSLRSGPHGY PDPQYLRNCNDSL DALHVPKGEDCP

>comp8728_c0_seq3; 209 408 1622 LEN=3375; translated
MTTRAGVGTCTFGYLKIKYVIPATMQKSYHPPHDMHSSIRRIAYLPDTTEGRQILFRFQY
AFLHGLCFRVGRSLATGINDQVAWSLTLPHKSRTTGGPSLFGFPDHAYLAIASHALDQLN
VPNDLQICRQWIIQDQGLSAGSMAS SGNPLGHPAAGWTGMGAPFASTSHSVPDEI ICYNA
ESSMGRMIDHYSQFLEPVINCCADEKECAICLDVMSPSSLTDTTNI VCLRKCKHRFHKSC
IIGMLEQNHTKCPFCRETIAAESQGLSPSGKLTISLDLSIRCQ GSEYDS DGVI VLQYSMP
EGIQAHYMPNPFMRYAGTSRRAYLPHNESGRALLKRLKYAFTHGLTFRVGTSLTTGKQNQ
ITWASIHHTSLRSGPHGY PDPQYLRNCNDSL DALHVPKGEDCP

>comp8728_c0_seq4; 209 408 1622 LEN=2583; translated
MTTRAGVGTCTFGYLKIKYVIPATMQKSYHPPHDMHSSIRRIAYLPDTTEGRQILFRFQY
AFLHGLCFRVGRSLATGINDQVAWSLTLPHKSRTTGGPSLFGFPDHAYLAIASHALDQLN
VPNDLQICRQWIIQDQGLSAGSMAS SGNPLGHPAAGWTGMGAPFASTSHSVPDEI ICYNA
ESSMGRMIDHYSQFLEPVINCCADEKECAICLDVMSPSSLTDTTNI VCLRKCKHRFHKSC
IIGMLEQNHTKCPFCRETIAAESQGLSPSGKLTISLDLSIRCQ GSEYDS DGVI VLQYSMP
EGIQAHYMPNPFMRYAGTSRRAYLPHNESGRALLKRLKYAFTHGLTFRVGTSLTTGKQNQ
ITWASIHHTSLRSGPHGY PDPQYLRNCNDSL DALHVPKGEDCP

>comp8729_c0_seq1; 278 96 609 LEN=783; translated
MTDTLIVMFHIFLFFYSAYGSECGNVGIKLIPTGGLYVTGGLTPKNIKWIEGKDSLFIKS
FYDKGRVSPLLDNVPLIAVMVEDMGVRGARKSAEIQHEMF EARKAALLNRNPIHPPSSLK
LDSMAAGSNPVTARLLKLEKDVEETKTLAKMSMALTIGVVAGFALMKNR

>comp8729_c0_seq2; 490 1 1374 LEN=1548; translated

VLTFLLITSDESKQKITMSSTVSYLLTGDVGGTNSRMGLYHVGNDTPLGVVYYRNAEHLTK
REDGIFEKKI IYPFLKHIWDTVPNI PPIELAEI IACFAIAGPVKDNKVIMSNLHGIEICG
DSIVDGTYDCGEEGNFFLKSICDKI INDFVAQGGFCLTLQPDEVI ELTPGALNKIDPTG
PKACIGAGTGLGECFLTPDERGNYSFCPSEGGHVDWAPRTDVEIKLLQFLKERFAGKNRV
SVERVVS GTGLGNCYDFFAREYPKKINKAVHKEI IESGDMKGRAVAMGVEKCELCRSAME
TMITAYGSECGNVGIKLIPTGGLYVTGGLTPKNIKWIEGKDSLFIKSFYDKGRVSPLLDN
VPLI AVMVEDMGVVRGARKSAEIQHEMF EARKAALLNRNPIHPPSSLKLD SMAAGSNDPVT
ARLLKLEKDVEETKTLAKMSMALTIGVVAGFALMKNR

>comp8730_c0_seq2; 441 1 871 LEN=1256; translated
XVLVHFPDLYLPRVNNKEQYRVATHSRIGRDSASCIFWDDNEGREDVERTYFLPKIDPDT
NHFANLSPMSGLENCRHWFLLIAQAHGAMIQLFCLPLGWKQHNDDFPPDDCDMYDEMDDAD
DVPFYLT SKLLL PKGGQVLQIGFYGDDGKSSLSGNDSGTGMGRQKIGFIFQKYSPTS
KELWTTTYDSL SWQAVPFDPM LLNASQVDANCSKKVVQLSVGESCDSDDEDSILLAQSRT
IAEDSPTDLCELLLCGSRGVGGVVTKSDDLIRVDLIDLEDEDEDEEDSYEE

>comp8730_c0_seq3; 1092 84 3119 LEN=3504; translated
MPASREEITTDIAARQSFSLQSRKFLAAGSRGENDTSVGTERSVLR SATKLCPSMDLIL
VKSANSSSSSLSPSLVIYRSLSWQKVADVLPPESSLGASAEAVGGGSSNPGGSDKGSLSYC
WSPNGQCI AVAQDSSVSLYRVE SLVTASGAGGGGTASGSSSATWTISLEERQREFPASG
SNDDSDNTNNATSSDRESTRVLALHWHVHGKHNPTASSPTPVEEEREVSWRYQSHYIDQ
STKFLPPSAYYSSDGAGEAGAAGTSGDAESSLTQGS LPECRTPLSVLCISTSDMKHRLY
LHGRYLLLTLPKSNNGILDAKAISSSGAGSVESPMVVASNDLGYWLTTPSIPDSTGAAA
SNNFLTLYHTPFLKRDRYALQQIATLHTSITAHLR TIQRSVPIVADSWRTSLRPLDQK LK
PLIGLLSNY GVEVDLEAKHSDATATRTTLA AVMKEYIMMGHVTHSSSVANAMDQFFTGVQ
QNDQLVQRMERTLLASMANVESTAIRCLLRPTQALGWQIQELGGLVQFFDNASCDDNND
SDDSDASMNATEPKRSPNKRMVHELVEAIEK LKWIGVENVMTSIVAGRMLVRDFCGWLR
HAGSQVKARGTAPNSVQREN AKKRISQAVLERLVTILNESSRNEVLRGKND SHQKGLAE
SILKLEVSAMLKGT FESVSAPRPES PSSVREILHRAPNVCQSLQQAIDATDCLFSNPLSN
VPDQIKSKDLYLPRVNNKEQYRVATHSRIGRDSASCIFWDDNEGREDVERTYFLPKIDPD
TNHFANLSPMSGLENCRHWFLLIAQAHGAMIQLFCLPLGWKQHNDDFPPDDCDMYDEMDDA
DDVPFYLT SKLLL PKGGQVLQIGFYGDDGKSSLSGNDSGTGMGRQKIGFIFQKYSPTS
TKELWTTTYDSL SWQAVPFDPM LLNASQVDANCSKKVVQLSVGESCDSDDEDSILLAQSR
TIAEDSPTDLCELLLCGSRGVGGVVTKSDDLIRVDLIDLEDEDEDEEDSYEE

>comp8730_c0_seq4; 874 84 2369 LEN=2369; translated
MPASREEITTDIAARQSFSLQSRKFLAAGSRGENDTSVGTERSVLR SATKLCPSMDLIL
VKSANSSSSSLSPSLVIYRSLSWQKVADVLPPESSLGASAEAVGGGSSNPGGSDKGSLSYC
WSPNGQCI AVAQDSSVSLYRVE SLVTASGAGGGGTASGSSSATWTISLEERQREFPASG
SNDDSDNTNNATSSDRESTRVLALHWHVHGKHNPTASSPTPVEEEREVSWRYQSHYIDQ
STKFLPPSAYYSSDGAGEAGAAGTSGDAESSLTQGS LPECRTPLSVLCISTSDMKHRLY
LHGRYLLLTLPKSNNGILDAKAISSSGAGSVESPMVVASNDLGYWLTTPSIPDSTGAAA
SNNFLTLYHTPFLKRDRYALQQIATLHTSITAHLR TIQRSVPIVADSWRTSLRPLDQK LK
PLIGLLSNY GVEVDLEAKHSDATATRTTLA AVMKEYIMMGHVTHSSSVANAMDQFFTGVQ
QNDQLVQRMERTLLASMANVESTAIRCLLRPTQALGWQIQELGGLVQFFDNASCDDNND
SDDSDASMNATEPKRSPNKRMVHELVEAIEK LKWIGVENVMTSIVAGRMLVRDFCGWLR
HAGSQVKARGTAPNSVQREN AKKRISQAVLERLVTILNESSRNEVLRGKND SHQKGLAE
SILKLEVSAMLKGT FESVSAPRPES PSSVREILHRAPNVCQSLQQAIDATDCLFSNPLSN
VPDQIKSKGKALPLILSGDEQSDIPCEQSSSHPF SRCVLVHF

>comp8730_c0_seq5; 548 153 1181 LEN=1566; translated
MLKGT FESVSAPRPES PSSVREILHRAPNVCQSLQQAIDATDCLFSNPLSNVPDQIKSKD
LYLPRVNNKEQYRVATHSRIGRDSASCIFWDDNEGREDVERTYFLPKIDPDTNHFANLSP
MSGLENCRHWFLLIAQAHGAMIQLFCLPLGWKQHNDDFPPDDCDMYDEMDDADDVPFYLT
KLLLPKGGQVLQIGFYGDDGKSSLSGNDSGTGMGRQKIGFIFQKYSPTS TKELWTTTY
DSL SWQAVPFDPM LLNASQVDANCSKKVVQLSVGESCDSDDEDSILLAQSRTIAEDSPTD
LCELLLCGSRGVGGVVTKSDDLIRVDLIDLEDEDEDEEDSYEE

>comp8733_c0_seq1; 423 74 1060 LEN=1203; translated
MVDAPKKYVKVDGKMKLNPEYKAWMIAEREREDAANSAPAVAVAVATATPVEPEPEPSPS
GPPGSSTPEHTVGGVNTRAPGKMATVSGHNNVAQALRSVVSGGGNVASGPVSTVAGG
EQNKATKVRATVSGGAANMATANEATVGGWKN SANNP GATVSGGVQNEANGNVSVVSGG
KMNNAQARLSTICGGIRNEANGEFSTVVGGRDNSAGGKFAVAVGGDGNDAEGNFSIAMGR
NAKANHHRSCVIN CALGDYTNKSTCHGEFRVA AKKFVMVIDDVEVVINKDNVRAFKNFAN
IQQLKEQQEQINKLQRNMRRLNSNADY

>comp8734_c0_seq1; 1239 1 2200 LEN=2200; translated
PPLNLADFNAMLKAQKMDAREQKQTRAMMNTYKGGISKIDKLRLKELRTDPFEGRRKSI
SKNSPPVIVDTETNQNNMFKKANKHKGTVEKQIMHSDLDTSGTRSEPTLVATSSQAESEI
KIEATEKAPAETKKKTEEKAVTEGNAEAEAEAGADEAEIQKKAEEVPATDAEPGIPVEKNE
KTEEEPDKGAPVETKAETADAENE EEEEEAAVETADKAEVASSVLEIAMKDAVVKPAED
QAITISEQQATDDTVADTKTPEASLAENNLEKATTAEDKSTGVQEDNEGPVIDSEVAKN
EEDEKAEVVAEADVEENLKDESXLDDVVETAAKVPTESRLETVDPEEEKPDVEPTINASE
ETKSQTPDAEEQKTDEEPAIEAHTGIKLETREKAGEKVLKAPADPVALAEVVEDETVP
NDQVDAQASAEAEEDAAMVALEDAAI PAKQAEAEAPVVSVEVEEDI IPEIPVDTKTPA
EEEDKVDEEAHSTVGTESAEDRVEEEGAPVVAEVEGTKEAAEESPVAPVDAEI
PINEVEEESASWQDDDKVVEDSAPDASMDTEAPAKAEETAIEAPIDTGELATEAHEEPA
HEANEDDESTAKEEDEVAAEAVPEAPVDTEAPTVTTEEQPLLTNAGSSVGEEGIVEEETM
SAAPVNAETPTEDDKVVEGGAPELSLDAEASTEEAEKLAPEAPVDIETPCEEVEKEAT
PEVPEASLDTEIEA

>comp8735_c0_seq1; 774 135 1631 LEN=1666; translated
MASIVDGKKFEKQDSASASASTSSADPNNDATTDKSTNYSSRGPKEGDLVIRDGFPALY
IPKCKHADSSDDKTEDPLSFEPVMKGEPIPRHEFWSSSEVDVIQFDGENSDNLELLRDDCA
TVFTARDKPDGAAYSAGQTFIPANMKPRCALEALALKIFHEHTKDLEPGTFNPTQSGAN
WWTLMVMDDEADHGNALSAPALTASSASATLASTASTCSTVEGAKSKELQQQEEFDEEGD
DEVGLHFDADYELEEQTGNILLHPRVATVTYLSHDGAPTLVLDQKSPMDDLKKTTLENG
INKAWLSHPRLGKHMADFGRFLHGAPALYFPNRSVAHVDKDESKEPAKRQKI IKDKR
YTLLVNIWLNHWVMDAGLLDDEVCAKMKTPWEDERSNLKSDDEYKPPFVWNKDVDLTKGP
VGIKKEKLSPSNVDPAGEDEIALCNHNVTVKYNPLMEECHAVSFSGSTIELELEKGAISL
HVGEELTEDEEEGGDKS

>comp8736_c0_seq1; 305 123 1016 LEN=1355; translated
MSDNNTDVLPRAVTRDLFSAAGSVACCYVGPFDTVKVRMQTSPDQFSSVAGSTSQIL
RNEGITAFWKALPTSGGMIMENCMAFGVNEALKRAFDPKNDGAIQEGPPSLWKPFAMGA
ITGCCSATVLLPSEIVKAKTQISTERNITSQQIVRQMIKKQGLRSFFVGFDAQLCRDSSF
YALFFGGYELSCYFFRFTVFPSPMDELNYFLSGGIAGMGGWLFAMPFDVVKTNVQSRYDTK
VFGSYFPELIKIAKQRGVGGLYAGLGPTLIRAFPANAALFLGVESGKKVFDNLVWKE

>comp8737_c0_seq1; 388 117 1220 LEN=1641; translated
MGKNKPNKPGGNNHNSKRSGGKGGKSQRSKGGGHRQHVRKLEYDMCEEDVKRRNEEIKN
DINVGLCQELGGSPPPMKNPLKGLRLRMWDFEQCDPKRCTGARLCRKGIFERMPLKQSF
RGIVLSPKAKVPVSPADLDILEKSGISLIDCSWARLQEI PFRQLASGHQRLLPFMVAANS
VNYGRAFKLTCAEACAATLYICGKQDAARKVMEEFVSYGPEFFKINREVL DLYASCQDAEE
VVAKQNEWLELAQNRSSALGESQSRKHSRQSDYEDEDGNQAAVREHGLPGELPPSDEDED
DYGYGTEEEAEELLVDKFGNFI SDPAPEPDYDDYGDYDSEEQEA PKLDKFGNFVDDERM
TTEDPKF

>comp8738_c0_seq1; 160 1 946 LEN=1151; translated
XVRAARLATVALWVFSVAGTAVLAYTQGWSVNSFDGISVVLFDVEGYAKPHVRAQS YLAG
ILVAFWPRRKT VGGSSGALMLLVLAGL FVLCFVTVTGAYARRACTFGESPLEGDDCGSLW
SPAANFVYTAFRAGWSVCIALLHLCLGSDSTDGSSGSGSADSPPEANADCGSRCESHR
PSLTGLVGGVLSWGLWTPLAHLSFGAYLIHPIVIVVWYLG GREKISFRISTYLMFC SIT
VVTFCLSLLVTVLVEFPFGVLLRPPAPRKRKPELGTPIRHGNDGDTLRSLLGVD TSSP
SVFATPTQSYGSVPR

>comp8739_c0_seq1; 313 1 1531 LEN=1904; translated
XLLGKDLHYFVLFITATRKLATDIGIFTRNFNSNREMTRVVHYADESVDLDEVNTFLAKQ
LNKLSVYNRTRIDEEIHGVCCLAPEETPELLEIALQELSSAIDNIHDSQKQAYIQSQELF
PNNEYVNDHNFRLMFLRCEFFDAEKAAIRLVRHLDFVLEIFDQKTELLGRAIRLDDLAPR
SMKLLRTGCLQLLPVRDNSGRRVFAVSFAFKEYEVVDRIQLYLYFQTVLSEEVENQRKGV
VSLALAGERAGNILRPLSRIDRHRLQRFILSAPIRFCALHCCYPDTPLFRMAKAVYALGL
LTSETTRFRLKAHNRTDMENRYQLRGYGI PEDQLPLTSSGKVKPKQKVHWINIRATIERK
RMEEGVFTMGQDDTSIIIECPRLNDVAMRPGKSYLCHPGNVRFKELLDKYMHEHAAADRRG
KDKISWGIIDEIEQWGRFLEWDNVACFWVQNKDRNNVXNQDPGLLSGSQEKYQGETKKR
KAVIERDGFCLNGCHKSEISRKKEKTFYR

>comp8739_c0_seq2; 159 1 749 LEN=2028; translated
XLLGKDLHYFVLFITATRKLATDIGIFTRNFNSNREMTRVVHYADESVDLDEVNTFLAKQ
LNKLSVYNRTRIDEEIHGVCCLAPEETPELLEIALQELSSAIDNIHDSQKQAYIQSQELF
PNNEYVNDHNFRLMFLRCEFFDAEKAAIRLVRHLDFVLEIFDQKTELLGRAIRLDDLAPR
SMKLLRTGCLQLLPVRDNSGRRVFAVSFAFKEYEVVDRVSVFIHWNFSLRVQSDQYGISD

TTSRTQKEF

>comp8739_c0_seq3; 188 292 719 LEN=1092; translated
MGQDDTSIIIECPRLNDVAMRPGKSYLCHPGNVRFKELLDKYMHEHAAADRRGKDKISWGI
IDEIEQWGGRFLEWDNVACFWVQNKDRNNVXNQDPGLLSGSQEKYQGETKKRKAVERDG
FCLNGCHKSSEISRKKEKTFYR

>comp8740_c0_seq1; 210 228 1058 LEN=1310; translated
MEDEIGVTVVSDKDTSNQTVPSDIDVNSRDRECVLASGQVCICSTCEATRTRMLHRLSSK
ESVSKKRSRGDSIALSEKKKPRNEGEQLEKMQDACKTILECIGEDPSREGLLKTPLRWAK
ALMFMTKGYAQTCQEVTTNAVFSEDHDEMVVVRNISIHSLCEHHMVPFTGRIHIGYIPNG
KVIGLSKLARIAEVFARRLQVQERLTSQIADAIVEAVEPLGVAVVVECSHMCMVMRGVQK
EGTSTATSSVRGCFQSNKTRAEFFSIIHGNAKPKFC

>comp8740_c0_seq2; 209 228 1034 LEN=1286; translated
MEDEIGVTVVSDKDTSNQTVPSDIDVNSRDRECVLASGQVCICSTCEATRTRMLHRLSSK
ESVSIALSEKKKPRNEGEQLEKMQDACKTILECIGEDPSREGLLKTPLRWAKALMFMTKG
YATCQEVTTNAVFSEDHDEMVVVRNISIHSLCEHHMVPFTGRIHIGYIPNGKVIGLSKL
ARIAEVFARRLQVQERLTSQIADAIVEAVEPLGVAVVVECSHMCMVMRGVQKEGTSTATS
SVRGCFQSNKTRAEFFSIIHGNAKPKFC

>comp8741_c0_seq1; 505 360 2638 LEN=3086; translated
MMSGYTSQQCSKVTRRQAMAVARSSPQSRIDNDAVISSWQGSVPVHTQRQEGGKKHTR
RTQGWPLAMARFFFWTALGAI SFMVQYHRYVWVDNPASDSFYLSSTPMRRSLLLSAGSF
ESRYRDVTSKRGPPNGYLPAAAVLRAQKNRQNDNRNDQYQSSDDNSFPSEQPLQQWASI
VSDHPLVSNRSVLDVPLALYQNTTSPVSDLLRVYVYDFEREHNLESSPSVSTLDQRDMTS
SSNHSSNAFSLPHSYTDDVFEWLT TXALDSNWI TDLVLRVLFSSFPGRVYDPNEADIFV
VPYPHAGHCLSSPSGYSVYCKQLNKKKKHKNENASVEQTVLRSLEHYNATTNANRHLFLL
SDSEFLAQRWLASRPLLKYGPLWEHPASPRRFSGNGKRKTRKPRRYSPPGHILIPPA
NADLRLQPAFVVSPPALHGSQQQQQPPQHRETLTRDLSLVFVASDTNPRMPESPRVFRF
LLQALEEWSNKKGNNTIGGLPFVATNNVRLFEKSAFASANGNDSSSTNDTNEATMSVFN
ISTNKTTHGDLYDLRYSVFCPILPGDSAWQRRFFDAMACGCVPVVISYELKKGKAFRNHL
KQYHGSTYAKNEADTTTQMQFPNKPVSWYVPEDEGPHNVGDTWSVQESYPPFVDQIDYRSFV
VECNGNATHPEVAHAELIQTLERMIFLERGMVAVTADRSLQRSGTPAHTSVLNLQKQAAALQ
RSAASVLYGVGPDARHTDDAFAHLIRALRAYVDGLEAYH

>comp8743_c0_seq1; 170 468 1048 LEN=1832; translated
MMSAWEAQQRAQKEQERKAKMEAAAALQSYRRSGLSEEEMKLAALREQDRMQKQSAAEQL
RGYRGQLSEEEARLAAQKQEEELRRKQATEEQLRNNGVVSAQDPTARNESILRMKDSGTVS
ELAAGYTSPOATHVHASSPTASASLGTMRPAQPDFSVATIGREATDDSAXIPDDARISS
PIQGNVHVWNSYA

>comp8743_c0_seq2; 139 468 1355 LEN=1639; translated
MMSAWEAQQRAQKEQERKAKMEAAAALQSYRRSGLSEEEMKLAALREQDRMQKQSAAEQL
RGYRGQLSEEEARLAAQKQEEELRRKQATEEQLRNNGVVSAQDPTARNESILRMKDSGTVS
ELAAGYTSPOATHVHASSPTASASLGTMRPAQPDFSVATIGREATDDSAGYPMTPASPV
RSKAMFMFGILTRKDVDTASSEERSRLVSRYLARADEIARSVIDISPSYQSIRQSLEYPI
ASTVVKDRSRIDSHRTTVTVTIPFTAPDQATARSFQSSIQRVRAAIANGSFTRH

>comp8744_c0_seq1; 687 1 1741 LEN=2216; translated
XSAVDTDALKTEKSFMSSEGSADDDTLSSPIQNEPMKSPVSDQSSSKDDGNPSSSEIE
IQKETHGKNGATETHPAGSIPSQSTPPSDQIEVLQKELHAAHTLIMQLQHHEVVEERPG
DAVMVELQASLQKEMNRRAEAEKARVAMAQSQRIGEEYKLFKIESKANLDDLTKLES
TQEKDAFEKELIDIREERDEQARKEMALTTRLNAAKKKEAVKANAAEHYEEQVDQLESSV
KDYKTQVESLSAERTQLQEELEEWKQYAEKRTQLENNLKDDEKLNDRKRRKMKAFVEAK
TEEVRLAKTDYLSLQTEMDQNTSHSLKELNQRYSKQLHAQWVQSQTRNRELQRDAMKMKDS
EKMHKVGDSTLEEARLSAQQSEDHKNKRIHARNELMSVLGQLEAERAVNSRLQESIKLTL
TPKALSQQQTIREALDEFEGALQKLSVRIGRPLPPMSNSAPGGFSDVQSTDDGSI GRNP
TSGGTADGEEGSTPSGAVSLSEVNTNRAIQOLENETQRVSNIMDF SAGIERMNNLLNGP
GTRNCVDVLSQLLSINGTPPP IGEPSRRGVTRGGQRYGQI

>comp8745_c0_seq1; 559 136 1536 LEN=1536; translated
MLAMRSPLLLTLVLSAAAPSALAWNPTPASPLATKTHRHAVAKKAQRTSATFLAASGDGV
LDFVKGLDSVLGNPTAYSAAEAASNSWASSVGADAAAASASGGGVSMNVPNEVVIGGGVL
VFATVLGVAFVALSQKEDEADEEEGGRYGNESFGAGDVTPLPKRTETAPATSATESKLEE
ANTAIQKLTSENGTLIDQLSDAEEDNGRLAGEVESQGGLLAKLKARLSKTTEELETQEK
LESETALRKETESRLTEATTANEGLTESLETKEKALVEATEKWNWTKTKLEMETQEKESM
KKELRDVAETNRVLEDKYELEQNALKKAXDPAGLDPVDAGIHAEPHQDPGGADPVPLGA

PGDQGHVPEDLGRPGEPGGRAKVPADPGGQDVEALQAKGLEPRQGRGGPDQAPPAAEAKE
TEELATSSKGVKRKRLPSGGQATGLPRSHVIYNICDIYTLVHLCMDPTX
>comp8746_c0_seq1; 265 1 722 LEN=722; translated
XIVYRNHLFRETAAIAHSTSQMFSANENLVLQRHQRRIVDRIEQCMPEEALDMGTTVMVM
QVSCDKPGCVPLETAVIIVFVKCSDEELVPLPESNGGSYKTKILKPMANITDDDILDN
LPPAFEGRRMTMERYCLYARDVMIGQITQLFGDGSSDDTESAIKDRIAMATYLLQSCLDQY
IAAGCKPPPFGEPIYANATSTIGADASNSTVGEEPTQKSLDEELQRPKDSTTPAPT'TTTT
TX
>comp8747_c0_seq1; 630 224 1705 LEN=1839; translated
MGYGYKKNKNGVDASFDSSIAATNSTRKSKNGMKKLGSSIKNVFGGKRRRRRKKLAALQR
EGNANGNVHFDDRSYVSYEYSEAGSDVYSYQEEASVHSRKRSGNSPGRPLTKIHEGD
NEDASDVEDTASPRRNRGSRGRRGGDDASVSSKSSWMSNRRTKKAQQQTPDPLLLVLLV
DPSTLRFELLSLEFDLAETAKQARKNRNTHGSHEFNLTVDVNLQITPDALTEEKLRSAS
SSSGGCRALIDRNGQIHFGTASLETACAARSLRASDRATQLREITRAKRNRSAGAQAPVM
WECRLGNPTYTGEPHRDVLGGFFVSEDDCDGGKNGKSIEMATDVARVMDLARP IFAD
PSVVDLMEGNGYDLTGWKSGRLLTDKSGTSPASRAMLMPPTPSKRRSRRLDWNHPVVKLLV
ALVSMTLATVLAFAFVSVGLHLPALSPGDIGDQDNHGHGHEDDGRHTFEGYARLAFDAV
RAAVTGGPGDSVEA
>comp8749_c0_seq1; 360 566 1915 LEN=2062; translated
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>comp8751_c0_seq1; 261 49 420 LEN=872; translated
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>comp8752_c0_seq1; 408 56 1198 LEN=1675; translated
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>comp8752_c0_seq2; 419 89 1327 LEN=1804; translated
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>comp8754_c0_seq1; 283 908 1858 LEN=2731; translated
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>comp8756_c0_seq1; 396 893 2293 LEN=2459; translated
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>comp8756_c0_seq2; 441 363 2192 LEN=2358; translated
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>comp8756_c0_seq3; 372 1 2316 LEN=2482; translated
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>comp8756_c0_seq4; 510 1 2215 LEN=2381; translated
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>comp8758_c0_seq1; 601 191 1729 LEN=1833; translated
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>comp8759_c0_seq1; 459 1 1808 LEN=1905; translated
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SAEREESVGI FVKCTGQ TENQLILTA EI PSESEMEVECDTRGTVIQSIMLSRGCGEYGTDG
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VE

>comp8760_c0_seq1; 1171 162 4394 LEN=4470; translated
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>comp8761_c0_seq1; 295 236 1090 LEN=1335; translated
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>comp8762_c0_seq1; 330 82 1194 LEN=1319; translated
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>comp8763_c0_seq1; 995 1 2312 LEN=2534; translated
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>comp8763_c0_seq2; 2069 451 4953 LEN=5175; translated
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>comp8765_c0_seq1; 795 462 3512 LEN=3564; translated
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>comp8768_c0_seq2; 246 95 829 LEN=1048; translated
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>comp8769_c0_seq1; 349 127 1225 LEN=1225; translated
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>comp8770_c0_seq1; 606 255 1760 LEN=2780; translated
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>comp8771_c0_seq1; 435 858 2450 LEN=2608; translated
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>comp8771_c0_seq2; 526 220 2190 LEN=2348; translated
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FCGTPEYLAPEILNRQGHGRGVDWWSLGLLLEMLTGLPPFYCQDRERLFEKIRKSELH
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>comp8772_c0_seq1; 1053 362 4030 LEN=4061; translated
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SGSSSQPSHYRMLTSTAERKRTVAACRALRAQITRFEDAFIQLHGRPPKGAERAPLAT
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>comp8773_c0_seq1; 1367 62 2563 LEN=3206; translated
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LVQAVGVI'FKNLYEKQIACRNNFL'LD'FETCCAASND'FIRMS'ENCEE'ILAEMVAECNLTDE
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SLERIRGDIDTMKGYFEDLQDVYPAL'KRAVPEQFEI'LETVHELM'TIASGASQSSDRDFII
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>comp8773_c0_seq2; 341 1 1325 LEN=1968; translated
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ASND'FIRMS'ENCEE'ILAEMVAECNLTDEAQNQLDEQSGVLLGLYSGDAVFAAQKVHIYVFE
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>comp8775_c0_seq1; 366 122 1201 LEN=1568; translated
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CSEKTFPYLW'GAYVVYMRGTASLLVCTIGGLV'SALYFFLLFASTNGRSGTSS'FLDVPDA
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>comp8776_c0_seq1; 397 316 1776 LEN=2034; translated
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>comp8778_c0_seq1; 180 1 956 LEN=1048; translated
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APSWFPIGSHTVVAMTGLALDVEHVCKVLQKIADDDHFIYETSMT'THTMTQRMASVLQNE
CLRKGSRPF'GVQCLIIGCDDIDQEDGALCIYSIDPTGNWQ'NWGKGTVIGKFAPDARKILA
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>comp8779_c0_seq1; 237 152 1261 LEN=1782; translated
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KENTALSRMSMGRKGLSSLKKNLKESSRCISKSQKEVSRSLASKMQYR'GEDQDPP'IRT
RCAKYDVEVSLQEQQSFWNRKSRPREEFRSTRSSRVL'KSKRRQDDGADCNRRNGSGEFA
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ITAALPPHI
>comp8780_c0_seq1; 282 381 1046 LEN=1786; translated
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IKIVIDEKCSDSIHNL'TMLL'NCTNAGFWGAYGIAMDNIVIYGPNGIGLFLGFSQVILCCI
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>comp8780_c0_seq2; 282 220 885 LEN=1670; translated

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>comp8780_c0_seq3; 282 220 885 LEN=1625; translated
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IKIVIDEKSDSIHNLTMLLNCTNAGFWGAYGIAMDNIVIYGPNGIGLFLGFSQVILCCI
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>comp8780_c0_seq4; 282 381 1046 LEN=1831; translated
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>comp8780_c0_seq5; 148 1 631 LEN=631; minus strand; translated
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>comp8781_c0_seq1; 145 1 531 LEN=636; translated
QEGFEESECSWKHPSFDEIGCTYEYDPVVCNGAFEFDNMCVATQQEGFRESDCSPKYSEF
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>comp8784_c0_seq2; 278 374 1453 LEN=1918; minus strand; translated
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DTRNTYEIDVGTFRNALRVLAFGTGTGGIRCEKATNAAMQLVPNDVPVYHLQGGILAYLD
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>comp8784_c0_seq3; 291 374 1475 LEN=1940; minus strand; translated
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LLSLLQEKFGGTLRIRRSVADRPV FARLKI KIKTEIVTMHWQGDKPQCGNSDSDARDSTT
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DTRNTYEIDVGTFRNAVNPHTQSSSCPCALVQAPGGSGXEKATNAAMQLVPNDVPVYHLQ
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>comp8785_c0_seq1; 205 1 733 LEN=820; translated
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LKLXW
>comp8785_c0_seq2; 497 1 2031 LEN=2117; translated
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IKVERGDAFEWARLRLDITKIVDEMLSASEISAVTAHLKTNHAKVFNSLSESQTLVSLVSG
TPVTTFTPTATHDLKELPNELLYEKSVPSTFTLILSGRITIFVGSNFERSDLSWTVLGS
SGALIDSWDIIPDYSAFVSDGPCRCIQIRRAAFIEASDASNERRVAENRIAPALSATSSN
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SVVQFENRNVI PNGTKK
>comp8785_c0_seq3; 174 1 578 LEN=578; translated
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SLMSIFSAEIFNGTIGFVTSTFLILIFGEIIPQAFVSASSLNDYRFIKYTEAQSLAQRL
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>comp8785_c0_seq4; 577 1 1933 LEN=2019; translated
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TLEDIVERIIGDSIVDETDAYADSDQRIKVERGDFAFEWARLRLDTKIVDEMLSASEISA
VTAHLKTNHAKVFNLSLSESQLTSLVSGTPVTTTPTATHDLKELPNELLYEKSVPSTFT
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>comp8786_c0_seq1; 625 114 1475 LEN=1818; translated
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LHAVLVKRIHITKRDLFYTDVKLFVDQAESDGVLDVATMIGCTRSNLHVVASDKGLVVG
RIQFEEDGDFIDCTKMGVGGKAIPPYIDKIENIESDAEFILLVEKEAAYMRMAEDRFYHK
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>comp8786_c0_seq2; 192 479 778 LEN=1121; translated
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>comp8787_c0_seq1; 972 155 2041 LEN=2090; translated
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HTATLIGFLSTLQASEDFYKATEGDDSIAYGSALIVEIHKSSSEKGNFYFFVLKYKAPHIEN
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>comp8789_c0_seq1; 333 115 726 LEN=791; translated
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SNVTSIDLPMSSVVVFQQVTSFFL
>comp8789_c0_seq2; 402 115 873 LEN=1161; translated
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ALAVEVDVAWVVQSFYGFKGF IARSLLLL FVSAITGANPLFIAERNQLLNQDVVYDDDAI
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>comp8790_c0_seq1; 538 140 1379 LEN=1523; translated
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FAGQVQEQLGEQFQLRKTTPKVLTISSGLDKVTKDWQNRVITKPFVEEDLLEMSKEKNKEE
VNDELDSFFKFMKDELGEEFEKTMNCDGDDYTL EEELKELEEFFSVPGADGTFEGGTKG
LDELKGIENDVKAGEVKEANEFIPDTENAALKLLGYTFKDSGKSYFLVKPLQPYTLVGR
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>comp8791_c0_seq1; 490 406 2211 LEN=2459; translated
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AAPLPQPVQAVQEVQVDQHGNIYQTHPAAPVPAPYSDPGASAYKNISAPSSMIAASSAQ
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LSNQHPMKNP SHSRLPNVPTLNSWPHFSSVSSLNLTMPGVKSITSLSAADLAKQGPVN
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GLMSVSRSSSEKLTDLVLP AKMQRTLSQNFMRQEEKRQKQSHPAQQYVPYQYTPSPLKPA
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>comp8791_c0_seq2; 442 406 2370 LEN=2618; translated
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HAVLMELFARDQDLVRQATESTPRKEPAPPQPQIQGVNTQVHTGIPQQQLAQAALSNQHPM
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VKSVE SMGKND SYAFLEVFFGDRSSNNLSSMGGASSGIQRSLKRERDEDNNVGLSLEDES
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SSEKLTDLVLP AKMQRTLSQNFMRQEEKRQKQSHPAQQYVPYQYTPSPLKPA
PSIEKESYQYPAQPSAQSDPGGSVAVPSATK CASCHLTNIDTQLRPCGHMFHEKCLKSSLQTSMGAK
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>comp8791_c0_seq3; 490 815 2620 LEN=2868; translated
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LSNQHPMKNP SHSRLPNVPTLNSWPHFSSVSSLNLTMPGVKSITSLSAADLAKQGPVN
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GLMSVSRSSSEKLTDLVLP AKMQRTLSQNFMRQEEKRQKQSHPAQQYVPYQYTPSPLKPA
PSIEKESYQYPAQPSAQSDPGGSVAVPSATK CASCHLTNIDTQLRPCGHMFHEKCLKSSL
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>comp8791_c0_seq4; 442 815 2779 LEN=3027; translated
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AAPLPQPVQAVQEVRTTFSLQHTGSIMAVCSGINKMVPGINSPVTSTFILSSLVCLDCFF
IFSLRRFKLISTGTGYIXTHPAAPVPAPYSDPGASAYKNISAPSSMIAASSAQLLSKTDS
HAVLMELFARDQDLVRQATESTPRKEPAPPQPQIQGVNTQVHTGIPQQQLAQAALSNQHPM
KNP SHSRLPNVPTLNSWPHFSSVSSLNLTMPGVKSITSLSAADLAKQGPVNTVGNLAQ
VKSVE SMGKND SYAFLEVFFGDRSSNNLSSMGGASSGIQRSLKRERDEDNNVGLSLEDES
PAATAHG IKQEPGSSVTGASTGFASNNPYAADKTATDSSDTLKRAYDDAMAARGLMSVSR
SSEKLTDLVLP AKMQRTLSQNFMRQEEKRQKQSHPAQQYVPYQYTPSPLKPA
PSIEKESYQYPAQPSAQSDPGGSVAVPSATK CASCHLTNIDTQLRPCGHMFHEKCLKSSLQTSMGAK
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>comp8792_c0_seq1; 520 141 2073 LEN=2073; translated
MKLSFFFFFALGASPLASANEKYVGPSPFQIGDPTCVVQKEEDCKKLAQSAGRPFKKVNA
AWGGAYRGCYKHPLNKGPEGVEYHWTGGDANSNGVTLPEKGAINYNYARVYCGENKGS
KITDYDFPKLKGELVHGLCVQGASPNGVRAFNDKLNLPYNYFPDFNTGTTLFGDKGWTPVN
KELDADMVCGGIYAQPRQHRTPKSAKITLEAASLEGNSFTVCAFVESTDPKRNGWDDKL
EREGFTVSDKTIWNGGRNQGT FYCKTMSDPNGPEPTQPPTQAPTLGEVGI VDYRFPDTT
TGRLVHGLCVKGVSKKDIATDVSSKRPYKYTPVANFREGIKLWDNRNYLGGPLSEG MCK
DGIYLRPSEAQEI PKDTKVS LTVSSKEPVTICAFIDVNKNADGGWPGKLINQGFTKSKER
YDWHAKDPRGQNSYFYCKEFAPKGIKTLAPTGAPTGAPTLPTQAPTSAPT KKVPNVGD I
SYDFPSTTKDLLHGFCVKGATS AAGIDATSSDKGLTYKTIPNFSEKTKLFGDRTYLPVFL
NKQKCEGGIYVQPRRAVTKKGV AISLKVAAAGGPVTICAFVESNANERDGGWPESLKKDGF
TASKPFDFAHSVPSKNLATFWCKEYGVGPVTDAPTLAPTASPTAX

>comp8792_c0_seq2; 350 141 1570 LEN=1570; translated
MKLSFFFFFALGASPLASANEKYVGPSPFQIGDPTCVVQKEEDCKKLAQSAGRPFKKVNA
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KITYDFPKLKGELVHGLCVQGASPNGVRAFNDKLNLPYNYFPDFNTGTTLFGDKGWTPVN
KELDADMCVGGIYAQPRQHRTPKSAKITLEAASLEGNSFTVCAFVESTDPKRNGWDDKL
EREGFTVSDKTIGWNGGRNQGTIFYCKTMSDPNGPEPTQPPTQAPTLGEVGIVDYRFPDPT
TGRLVHGLCVKGVSKKDIATDVSSKRYPKYTPVANFREGIKLWDNRNYLGGPLSEGMCK
DGIYLRPSEAQEIPKDTKVS�TVSSKEPVTICAFIDVNKNADGGWPGKLINQGFTKSKER
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>comp8794_c0_seq1; 213 703 1251 LEN=1328; translated
MKMCGEVENIVLPRIVQMPPNDRNSDFMDINGRRFCVCRPALMDLKLAKGSTYTLAIAIY
FDRAFERKEFEKVTLCLDVRAGKWPNNHVLQLIPFMKSSLAILLPLFPERLHKALVYPV
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KN
>comp8795_c0_seq1; 374 250 1002 LEN=2477; translated
MSKSKSKSKLHSSSKKRRKREDEKPLALTSVGIESNDKQEFDEKGTTTETIADDNNTDK
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PSSKRRKRRKNNKISEQNSPGKNKDEDVEHFDNTNYNDVINDEVVLEGAMISELFVLI
DRKGGKVYSATEQRLNENRQOIGCLDGNNGVVI FQKTEEKDKGTLHTYVSLSLSRRIER
NSILHVSKPA
>comp8795_c0_seq2; 517 250 1320 LEN=2080; translated
MSKSKSKSKLHSSSKKRRKREDEKPLALTSVGIESNDKQEFDEKGTTTETIADDNNTDK
SSKRKQKRRKRIEDKEQHCSLKEKNSTDYDTNGVTNRAENSPPSLQOETATDRA
PSSKRRKRRKNNKISEQNSPGKNKDEDVEHFDNTNYNDVINDEVVLEGAMISELFVLI
DRKGGKVYSATEQRLNENRQOIGCLDGNNGVVI FQKTEEKDKDLNSSSNTGGHINGNPS
TAFPYEVDPDHCESPLEAYEDIVPLLQSYRWRIRKESINELSIYDPYFCDGRVARQLNS
LGFPEVYNRKEDCYEVWKDPSIYPSYDVFLTNPPYSADHIEMLMKHVTSSKKNQNKPW
>comp8795_c0_seq3; 374 250 1002 LEN=2341; translated
MSKSKSKSKLHSSSKKRRKREDEKPLALTSVGIESNDKQEFDEKGTTTETIADDNNTDK
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PSSKRRKRRKNNKISEQNSPGKNKDEDVEHFDNTNYNDVINDEVVLEGAMISELFVLI
DRKGGKVYSATEQRLNENRQOIGCLDGNNGVVI FQKTEEKDKGTLHTYVSLSLSRRIER
NSILHVSKPA
>comp8795_c0_seq4; 541 250 1635 LEN=1944; translated
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PSSKRRKRRKNNKISEQNSPGKNKDEDVEHFDNTNYNDVINDEVVLEGAMISELFVLI
DRKGGKVYSATEQRLNENRQOIGCLDGNNGVVI FQKTEEKDKDLNSSSNTGGHINGNPS
TAFPYEVDPDHCESPLEAYEDIVPLLQSYRWRIRKESINELSIYDPYFCDGRVARQLNS
LGFPEVYNRKEDCYEVWKDPSIYPSYDVFLTNPPYSADHIEMLMKHVTSSKKNQNKPWMLL
MPNFVHKDYFQKLTSNAGQLPIYLVRPKRYIYLPNPMREKKASSTHKKSSPFVSMWYL
WGGSDVNTNEWYRMLREDQNEKFDVARSKSALRDLRRKPKN
>comp8796_c0_seq2; 154 46 317 LEN=1390; translated
MEVVDSDRKTTVISVRIPDGAEHGDSLTFEANGQNFTEIIPPGSVAGEILQIKLGKAD
EEDAEMEGAGVEKKPSDDGENITIXDGWE
>comp8797_c0_seq1; 505 221 2092 LEN=2092; translated
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HQSATAYLIAKCCFELQOYSRAEDELLETARVDYKEYKNINRNQGSNYNNKDRNGILSMD
EWLNETSPCPIPNGAAGLYLLGNICRSSNRRRRAMEYYRMSLQLDPLMWVSYEALCEMGA
VDIDPITSVFGVPAEIDQLQIQNKQANATREETMPLQEKPLHMTPHHHFTPTPTMGG
TGIGNTRTMDVVGTPPTSIGPKASLFQTAQKSTRKPGTDTGGGAILPNQLQFDTPNLTPI
MQHDASFAHPNSAISMHKTRDSFMAGGFVDSRNPHTIRRAKHVAARLYYQPTPETPPYNG
SNREDESRHYGKTTVGPAGPANSANCYLRGKSALWSIESTISETPLRRGAGRPSDVSTARR
PRALFLSESRSRHRNLRSIGNADLDQGDQLHAEDEENFRRRNMSGRPPLCEQEEENV
IMDNQNRGDDSEQNSMMMTTEESGGQSSSFSENEKPTTAMAAVHIEEDEMMEKHDGSIQ
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>comp8797_c0_seq2; 885 221 3025 LEN=3314; translated
MGAPTFVSMSSSRPPQPQPHRGAEAMGNHTRKTNVPMQRDADLRNLEATYTSLIQEYLQ
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HQSATAYLIAKCCFELQOYSRAEDELLETARVDYKEYKNINRNQGSNYNNKDRNGILSMD
EWLNETSPCPIPNGAAGLYLLGNICRSSNRRRRAMEYYRMSLQLDPLMWVSYEALCEMGA
VDIDPITSVFGVPAEIDQLQIQNKQANATREETMPLQEKPLHMTPHHHFTPTPTMGG

TGIGNTRTMDVVGTPTSIGPKASLFQTAQKSTRKPGTDTGGGAILPNQLQFDTPNLTPIP
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SNREDESRYHGKTTVGPAGAPSANCYRLRGKSALWSIESTISETPLRRGAGRPSDVSTARR
PRALFLSESRSGRHNLRSINGGADLDQGDQLHAEDEENFRRRNMSGRPPLCEQEEENV
IMDNQNRGDDSEQNSMMMMTEESGGQSSSFPSENEKPTTAMAAVHIEEDEMMEKHDGSIQ
NILELFLCLMGAGYWRLCQFRCQEALQLFGVLPVHHTGWVLHQEGRAFFEMAQYQNAQR
CLETMQGVPEHRMKGLDLLSTVLWQLKKEVELAHLAQQAQVDFDRLSPEAWCVVGNCFSLQ
KEHETALVFFGRSLQLDPSFTYHTLSGYEYMANEDFEKAMACFRNGIRLDERHYNAWYG
MGAIYHRQEKYDLAEYHFQRAVKINPQSSVLRNCLGMSQYSNGKPHEALDTLAEAFRLDP
HNPQARFQRATIYVAQNRPEEALKELEKVRDAAPREATVHFAMGKVLKRLGRPEQAMRCF
LTALDLDPKDNQLIKSAMDKLEEDVVDEEVAAF

>comp8798_c0_seq1; 773 452 2141 LEN=2141; translated
MATVVWLATTTTLVILVCCCLEITLAFVVVSPSAASTARSTTTIATTPGIVCSTTTTPPSM
LLSSSRHLVYQDGRKQASFTLEAVAGGGSGEHQNSNKGNPKAERNNNNNANKNNNN
RSNSRKNSSNNKDSGSPKQNKGGKSNFKRTKKAHVVDSSKQKKREIMDQIKAKIKEE
GEEKKKKQQQQNSKQPKSKQRPKNQQRQSQKKNQGPTKKMPPTANIEQKLNDDDFEP
DDASTSSATANKGKRLFMNPFQAGKSFRETLSSSLSTLGRGLPKETKQKYFLDDRLLDGE
NVSDFLSSTPSSSSPIFANRLLRDFAAAEALEPSTYVPEVLVVGATGEIGRLVVRLLLL
EGRGRFRVRLVRLDLYSQTLLNLLGTGVSQCQGLSNVESLEYALTDVVKIVCVGAPKPD
ESDFQRKFRWYLEEQGIDYDDDDNGGSDSDSGNKGRDDQOMNDREWEQLASVLEVRSELAE
QVDCIGMKNLVSAYQNRHTDYGTSQAAKRSFLKFSEKSGDFDLFALDDGESTPSDGGKD
EGSNYYQQDYDDEEEERNDDDDX

>comp8799_c0_seq1; 782 149 1789 LEN=1943; translated
MPRKVVNPFKERVPAWMRYGIPGLVGGFLVCWYIFVSPAIEAVEDSAVLSPDPNLHLRQ
QQPHGLLNDNDANAGIERDDDNDRGAGEPDGSGSRSSDEDKDWDDHQEQKDGASG
DDYEQGEEEMFPDIDDEEFLDWIRSYNGLEFEDDSTDPVWGKLTPEPLLESALGCD
YMVHNQKADAGNFNYQYDFVTHELDDDDSPVRQAGALWGISLCLKASILDENDRAPAYQTS
IEDGIAFFREHVEDGPIEESRMVVYPGFEDESQSGVNALYGLALIEYLSVAREHPAWAER
MRIDPRALEAELDGLGFLKYLQRGDGHFAQAYDREEGEPSEEYSPYYDGETMLCLVCAA
RYLGGDYAEDLVPIERTAPILAKAYTVDAWRQDEHSDLTGKGFYQWSSMVFAEYLAEW
ENYEFYGDCLLVLAHWIVHTHGILKRHRNTGYAFEGILSAYRVAEMRGHEEALSELRTI
DEGLYELTSWQVGGPLAHTNDFLVTNPTDERTAIGGIMNAVDQAPLRIDTAQHQMHAVM
ALEILF

>comp8800_c0_seq1; 447 1 1941 LEN=2562; translated
XKTIRSGARTQSNPRGQPMEGTPEQSVAGDDPRCPGAAVASSAKSHGRREPDKGTTTTKT
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QPLLVPYYSRTLGLPTRLVWLGLSLYSTLVTLAELPSGIASDRLGRKKTLLHIAFLGFSGS
LLLTLASRFAGGRWQTTAGEGATATATGVLACLGLAQCSKAVGSSMYSGTDSAFLYEML
EHHHRCDERASNSEGNKSNSESKTRALLLAIERSVYTTATEACAAALGGWLCSSSSS
SYSSGTGSAGDHRGNKGLELEAVVALSAPFLVGFVTLWGLDEPIKEPSSFGGCARARA
CASAHTS IETDRRKPRSEAEPARTRPETRASHQRRDLADGSARRTSYLTLPSVESVGR
LFGFFRKGEKDPRTNREQHRSVILLSEYVPERLWTLFVGVVALNCGTYLAATAMNPLL
WETVGIPVGHFGALHGLCGATAAFGAFLAPTLRKHLSVNNNGSRHKNANANNQTKSNGT
EALLFLMLGSSAAGYGLLALSTGLHRRRAGEAAATTEVPSSHSVSAIGCAIAAALLLSL
VRGLAWPVLGSAINASVXAEQIEGHHAVFVLGCGENRNVRATQEWTL

>comp8800_c0_seq2; 491 1 2042 LEN=2042; translated
XKTIRSGARTQSNPRGQPMEGTPEQSVAGDDPRCPGAAVASSAKSHGRREPDKGTTTTKT
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QPLLVPYYSRTLGLPTRLVWLGLSLYSTLVTLAELPSGIASDRLGRKKTLLHIAFLGFSGS
LLLTLASRFAGGRWQTTAGEGATATATGVLACLGLAQCSKAVGSSMYSGTDSAFLYEML
EHHHRCDERASNSEGNKSNSESKTRALLLAIERSVYTTATEACAAALGGWLCSSSSS
SYSSGTGSAGDHRGNKGLELEAVVALSAPFLVGFVTLWGLDEPIKEPSSFGGCARARA
CASAHTS IETDRRKPRSEAEPARTRPETRASHQRRDLADGSARRTSYLTLPSVESVGR
LFGFFRKGEKDPRTNREQHRSVILLSEYVPERLWTLFVGVVALNCGTYLAATAMNPLL
WETVGIPVGHFGALHGLCGATAAFGAFLAPTLRKHLSVNNNGSRHKNANANNQTKSNGT
EALLFLMLGSSAAGYGLLALSTGLHRRRAGEAAATTEVPSSHSVSAIGCAIAAALLLSL
VRGLAWPVLGSAINASVERNRSRATTLSLFSGAVKIGMVMGMVGVLFKESSTLDDPTI
NSVEKGLLHGSLLCGTALLSVX

>comp8802_c0_seq1; 571 1 2021 LEN=2155; translated
XKPQQAITTGPIQKRTNMHRTRSSRRQTLGGGGLGNHNSNRRQSVDPGSHAHGSAKRP

PRGRVSMIPRVGRENMI PPTPSSARQDPKRRVSSAMKSGRRKSSAVDRRQSLMPPSAPAI
TDPRPISNKAYQQECIKELFSYLQKSGYEHPI SHKSLSRPSGKDFSNIVTFMLRRVDPSPF
QDGTLMKMEDEIAMNFKAMGYPPFAVSKTALVAAGSPHTWPTLLAALTWLVKRLQCMENLIP
EEDNNHSGQFESVEELERKTDQYFFSYLSASYVAFLKGDEKLEDEMRLADRLEGDDNI
LMQEI EQMTDHNAAVVEKMNNLSLGEKDLMLKKRDSYATDLEQFHDLINQMDQHVTKL
KQRKNDQSSELEETSKKLTAIVSKVEKLKECVNNQELSLADVQKMRNEQKGVEEAIERAF
ALRDQRRSELWEIESEVENLWSEVESLSDYSSHAGDLKILPMIASKAVDMTATIDKEAV
LES DPKLLAVDLPGTVQHVLTPCYEYESKLI SDSKWKYQEALDKLEKSEEAFTEALERH
RIIEHKIDKCEETMEAEREAQDAKLGVRLEAESIETKVASLRDPVALEE QMAKFEQQCT
ELEALRQQYEEENVARKAAVCEEIERAILAMEEYDRFCLDKISEVRDYKENSRSKYGKLGK
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>comp8803_c0_seq1; 1311 109 2604 LEN=2675; translated
MSVVGLDIGLQNCVIAAAGRGGVDVILNGNSNRLNPAMVNFDDSRKMGEQVAGSTSIKFK
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EQVLGMIVHHMGMI AAKKASEASGSNVTDVAALFPQDWVIAIPYYTDAQRRAVLNGCKI
VGIPGVQRLMHENTATALAYGIFKDIRKEFTKEKPTNVMFIDMGASAYTVTIAAFEPGKL
TIKSCNSDDSVGGRRDFDDVIGNWIAEKFVEKYGKKLSCAPQSKPKVMLKILAAAEEKAKKT
LSPQGVKEASINLECLMEDLDFNIMFKKTDYEEMSAPLLSKLEAPIKKTLEEAKLTADL
SSVEIVGGSTRIGFLKKKLQELGIELTSTTMNADES VSRGAALQSAILSPRFKVLPEYI
VEYGS LVPKLAWDEKDKQGMVAADGTDTPANSVVMFTRGLNFPVRRVTLRRDGEFKVS
SSYDASATNYGLDAGSTQQICNWSIKAPAGEEKKIRVNVKQDIHGIVQMSSAQMVVEEIEE
EEAPPAKEEAKAGEEAKAGEEAPAEK KKKVVRTNLDYTETKPLEWTD AEITKFTQTETALR
NTDRIVQETS DMRNELESYIYDMRDKITMDSSLGAYATQAEKDAFVKKNEDTENWLYEDG
FDAQKDVLAQKLGELKKGPPVEKRAEEA QARPIAVASLQKNVEKYKKWLADAQANDDFA
HITEEEFSTCHKKCDEVS NWVYEMLDKQGS LAQNVDPAF TAAEANTKNKGLSNVCSPIVH
KPKPKPKVEAPKEEPKPAADAPADKSAEPAPMETDEPEGKKEDEKMEVDEA

>comp8806_c0_seq1; 50 1 99 LEN=377; translated
EVYGC GGGMEYSLGSCFPNAADAGRADAADA

>comp8808_c0_seq1; 779 168 2081 LEN=2280; translated
MVDRSTFDEGLSVLDASASKSMNGKYSSIAASVSSPTPTVQQKFTPGSINTTLQHQSRL
SAFSPIQPVLTPRET PRGTSMGLVLLSPSRTITETLNLALASSTAQQLEDIWDEVGYTPQE
RASQLSDLLEKFRSQCEHKISEEQTV AETFRQTIADSKMEIKAISNSLKQTV DHRLLRDN
NGEMTLTDELANLEATLDGLRLDANEARRELQECQEYLIESHSS LGRSLDDCWSDIENDL
TDKRREAFREKVEEMKQEMATR TAAVIQLLRDCQHLMNDIGIDGHAENASDLDRRISGSL
VRSKDSSFMMVSKFETDTCTGISAKALEALTSRASELSSEKRRRKDLLQEMGGEIAALWE
QLSIPVEEQRAFTNSVKGLGMDTIEKGS AELQRLKSLKSEMLGKLIHEARENIQQLWKET
NGSYEQRKSFEFVVRDEDLFDDKLLDEHEEYIAVLQDRLEKMKPINRIINRREDIRER
MEYEELQKDSRDLKQGAAMAKQLMEE EK MARRIKKELPKLTKMLQEKLNEWKESHGEDF
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>comp8809_c0_seq1; 417 58 1344 LEN=1417; translated
MTKFPSTIVQALAA SAFFSGTSLSLSPFSSKSSTTSAKTSAITDLMHEAAVAETERLFQ
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YRTTSLCPGASECIRELMEIHHKRVLFVTNNAGVNRRELREKLSRLLRIDSLTNDQMISS
SYSSAQYLKSELMAASKELGSTTTASSTPRVHVIGSSGLCEELVAAGFNVTGGPSTSSP
EHDECCSMSREELAAYDFEQLHPIDALVVGHDTDLNFRKLCIAENLLLRNPEALFVATNK
DSFDVVDGNNNDLRHIMGNGATVVALEYSSKR TAINVGKPSKELFGLIRNQDSSGAKKPS
GNVFDDPSRCLFVGDRLD TDIRFGKDNGMKSLLVMTGVTSAKTMEELANGTEEEPLPDFI
LPHVGMLK

>comp8810_c0_seq3; 176 140 664 LEN=1174; minus strand; translated
MRQGPQLQAADNQWDGRPLHLGPDRFEGR LPTVLHHSKHQDVG VVPERPPDR LVDPLG S
RSPEVRRQM QNILKDILTRLV PKMAHRSVSKEPGEERPREARSVQF SHRSALRPLCDKVS
NRVDGGTGCGLRGDWSLAQHS AVRIPVVQGN AEGDFLQRPAPHHAHVNGSHLVQ

>comp8811_c0_seq1; 238 1 473 LEN=797; translated
XNNNNSSNNINGGYGTF LGVNA TNGMNPMLAGA QVPGQAFGQIDMSGFPYNQYNYHLGG
NTHAMIMAQLRGAPHQYYPGFLPMDQQANLSQLASLAGVQNDATQQQQGQNHMHGSMDQA
SVSVSENGMDMGNGVRNQTMGNNALNDGSSGSI AF

>comp8811_c0_seq2; 174 1 263 LEN=923; translated
XNNNNSSNNINGGYGTF LGVNA TNGMNPMLAGA QVPGQAFGQIDMSGFPYNQYNYHLGG
NTHAMIMAQLRGAPHQYYPGFLREFIP

>comp8812_c0_seq1; 238 1 1374 LEN=1490; translated
GNSAQGSSQLLWFEFAILRRTMVKQKKASIMSSKALAIKSGLMVSPEPRTEKNLLRLQ
SKPVTNAAAKKGPCRVLFGEDEGSREVDVIGASADTSAAVTGTLPDPSGFLIADKKRKARV
VTPSTITTTATTTSTATQEDNSELVTRSAPPKRLLLFGRYVELVQTAPNVDMVYKIVRKL
TGNIGNGYSGPIYGELTKHSMQKMIDLMVKNTEFSSSSRFIDVGSIGKPNLHVAQYPG
VEFSCGVEMEHNRWSLGMTCLKACLNAAVKEREKVAEAAAANENSGSLLLQGNMFLHNNI
LEAKTFDPFTHVYMF SIGFPPDLWIRLSEMWNESDAGDCQYLICYSGPRDI IDCYQFDVE
LLVQTP TSMHGSKESHMGYIYGR TNSKKTGSKRRGRSLISTSGPCDPLFRNSYDLVKKGL
QHLENEVDRQVKEEMGGSRRRTRGSRKKT VFSKSYGE

>comp8813_c0_seq1; 499 194 1357 LEN=1508; translated
MDDLTF TNPDTSAVEEKACIDAAEKMRRIAVPSDNPSGSGVGISYIHWPADKAMKKKVS
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FVKSMFGDESFAFCVAGASLGAASIELAAALSISAKDEGDDLEEPDNDSDGMPSCSGLILI
DAQGFVDG VGP MAMLPKPLAKIGVGV LKSVPLRNSANQMSYYDTDTFATEDAQVIGRLHC
LREGWDDAMVSFMQSGGFSPSSKVS KIASPSLVWGRQD GILDGTEFANKFVEELQDAEL
KWIIECGHVP HLEQPEETS K VILSFMTSDK VRAATAAAAKSYRRKGNSSSSDNNSDAVAP
SFLIGGGVIGVLSGAFLIEEV MKNLIG

>comp8813_c0_seq2; 336 194 949 LEN=963; translated
MDDLTF TNPDTSAVEEKACIDAAEKMRRIAVPSDNPSGSGVGISYIHWPADKAMKKKVS
PPLILLHGFDSSCLEYRRMGPKLAALGIDTYAVDILGWGFTQLDDVNSFSADAKIEALKG
FVKSMFGDESFAFCVAGASLGAASIELAAALSISAKDEGDDLEEPDNDSDGMPSCSGLILI
DAQGFVDG VGP MAMLPKPLAKIGVGV LKSVPLRNSANQMSYYDTDTFATEDAQVIGRLHC
LREGWDDAMVR

>comp8814_c0_seq1; 692 239 2236 LEN=2265; translated
MKVKTKTP LLRNEDKKKSPV VTRRSFPV PITFLVLLFLVWLSATALQCASAFEC PG SRT
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KELGINAVRIYAVDP SKNHDAFMCAL SEAGIYV MLGLLADCEGCAIGAWVGVDAEPPMCY
PSSVKERGRFVVR SF SKYPNLMAFSAGNEVTIYADDGSGGPREANIS CQKKFLRDMREYV
SGCAGSY PNAVL PRAIP IGVVNW DGN TGTFSQNVYYQ CRTDRGDPFENA EWFALNSYRHC
DGLANTPDEIIGW PDLRET FREANFP GPVFFGEYGC RERGFPTLDGFD TQRTWLQTEALY
DPDYSDFVAGGFVFEYS AEKTTIDGNLQFWADKLDLDEPESEWPYK KFARANYGIGYFGP
SDCQHDDG DNDNSDTSSNCESTRY PEWDR LAEALATSEGGIRPQSAGVLPECPTRYQA
LADFWDPTDREEDPDLDYCLELQRNAASTDSPTDSPTGGNGAAPETDEPTGAFAFRTDT
PSAFPTSAV SFEFRTQFP TQLPSESRSEEGTQQPTESLSEEATQQQTQSARCS DHDRCAA
ANLSGFCCPTSDGVVLGCCDI ISEAPSAAGLTFEFADDSGARTPPLAVAVLLAIGTSFAT
IITII

>comp8815_c0_seq1; 196 296 751 LEN=1161; translated
MVAL LSHHLLDHKPDNLLL RGGRYKLRGVAFLGRPGVALCIGPPKAHTKFKRALESAMP
QKRFKTKDLEINHPEGEFLAMEGFSRAETLGDFRAILASIGREAEFFELTGIEDPNSSSS
SPPPPNDQSNEQATGRKGGRRGKNKNRKGRK

>comp8815_c0_seq2; 220 56 751 LEN=1255; translated
MTTATIFRVNLHGLLIGFFSLFCLLP GSSRGVAOQTATGTAAFQPPHERSSWASSARANA
HTELSAKGSKPKASYNDDDMVAL LSHHLLDHKPDNLLL RGGRYKLRGVAFLGRPGVAL
CIGPPKAHTKFKRALESAMPQKRFKTKDLEINHPEGEFLAMEGFSRAETLGDFRAILASI
GREAEFFELTGIEDPNSSSSSPPPPNDQSNEQATGRKGGRRGKNKNRKGRK

>comp8816_c0_seq1; 323 327 1004 LEN=1091; translated
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>comp8816_c0_seq3; 301 1 855 LEN=942; translated
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NREEIICPVCGEFGTYERLMAHLKYQKIVEEQDDYPIQGTHRGFEMPDTTPVTLEQVQR
HIESKLSEIVVVVEAIDPQLSGTFQALQSYKYNDIEFGADFERCMFTCGNRFVVDMLKFH
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>comp8817_c0_seq1; 1198 341 3745 LEN=6064; translated
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TDSFDSWEDDDEEEDQQHNDIAQNI RSPKSDEFHPAGYGFGEHREVNDASGGVDKSSRDN
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KAQTRGVKMSFSPMPEPQIAYSDEDIVVRIITNFISNAVKFTTAGAVQPFVCSLESIDPV
KSKTKSKTIPVEPTEKSSPTS RKGGERDNMSSHQFDEDDLSYIDVKYVAVGVADTGP
LSRELLNIAEAGLFNSDSSSKMNSGAKNSGFGLHLAHLAQLASTLGSEVNLTDLDAFQELC
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VLDFEFENEAF TIVPGDGSLSGLDALLQVAQMKE SKNPTPILVLHSGHQLELPRQLGIIV
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>comp8817_c0_seq2; 1198 341 3745 LEN=5532; translated
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>comp8817_c0_seq3; 1163 1 3616 LEN=5935; translated
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DLVNRATTMQLVKAQTRGVKMSFSPMPEPQIAYSDEDIVVRIITNFISNAVKFTTAGAVQ
PFVCSLESIDPVKSKTKSKTIPVEPTEKSSPTS RKGGERDNMSSHQFDEDDLSYIDVKY
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HEAKAMVESAPDPKEAFDLSSTQYIFSPQSPYSADGCFRILVADDVPMLRKGLVRSVLD
IFTDFCNCPI SVTACTAEDALRALESSSYDLFISDNQFAPPGLKRYSPCEEEKRLHV
NCGDKNNLRKSVLDFEFENEAF TIVPGDGSLSGLDALLQVAQMKE SKNPTPILVLHSGHQ
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>comp8817_c0_seq4; 1163 1 3616 LEN=5403; translated
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FQCLHESRKVKLRKQYERSLKIQSMLHRMRNTDPRVMALEQNTAERIFRKKESDMTELNM
LQNL EEATYLEKIIISLLDQVQESKEKAADAYFKMQIRNLKEQMENQKKREKEVTDTKAQN
MIEMAELIATYVKDEIQDREDLRKTKELVERTERKKDFQASQSKVLLSVSDLYDTILWSV
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SGGVDKSSRDNTSSVQSGSTANSTSMDSADSLSPVGHIFVKELKRKIRAAEKKMEKRHI
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LQEAIEADVRAMQGAWVEHERLEEEHKSSFAKAQALISAQVFHEVRNALSSVVMAMSEMTS
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LVNRATMQLVKAQTRGVKMSFSPMPEPQIAYSDEDIVVRIITNFISNAVKFTTAGAVQP
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VAVGVADTGPGLSRELLNIAEAGLFNSDSSSKSMNSGAKNSGFGLHLAHQLASTLGSEVN
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IFTDFCNCPISVSTACTAEDALRALESSSYDLFISDNQFAPPGLKRYSP ECEEKRLHVN
NCGDKNNLRKSVLDFEFENEAFTIVPGDGLSGLDALLQVAQM KESKNPTPILVLHSGHQL
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NSEIG

>comp8818_c0_seq1; 226 1 1037 LEN=1243; translated
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AGNDAKMLLALLPDGAEQDEQFQRSQLCIFGRMGDWEKFEAECSLDPHHTLLLWPAEKAL
TVEGFLSKLPENSPWRQRTKSKPENENENDNINTCNEDSYASLPPLRVVVL DGVYSQARSM
FKTIKKRFAASGPIPPHVALHPKTL SVYHRAQKNYAKSSAVTVRNSSDPDALHICSVEA
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>comp8819_c0_seq1; 537 199 1950 LEN=2090; translated
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PTSPSNMSSSTQTSSFFSATSFKDIVIDSDASKHVS RMDI IYPIESENIGGHSQTFDGP HI
VISQTEDIGFSELMREADDNIMQLQQSHDTMVSCSERKSNARLSPLENQEWESGALISA
APNNSPVVVTAVTDRIRKDKQWWHNIPFLGFGQNI DNQDLNAPLLTVATDMNSNGAASNQ
PDVTRLLSGNTFQRHHINSAFDRAIASVETKIESDDSF EVSFLLGENSRYTVEDVMEIIS
NTDLLSLWCDPIETLIVTSSSHTASSGF SVGETRN NIESDDFHDESERTREYEGEWVEA
TTSALQSPSSFSFILDIGQSILESGCTSYGRIVMFAERRRGHVGLKVGPFHGGIYASH
SIYVSMEDTDSQGGRI RIVDRVRLTHDDDYAEVYSIAKLF GCSVASCLGQCFLPSIKGYL
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>comp8820_c0_seq1; 674 1 2193 LEN=2242; translated
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PLRGILPHEAYRNTLHIASQLDTALLK VSEDAHELLVHAEERVESERRLRQSLYVQTCEI
MGR LICELRRMLLD TNHNSNGSSNHSPASEGYDAVKQLIVGR LCHLLKFRLTALSTLLDP
NSSPAVLHQQSGGMISIAELSSAFELADDKDSGLITFREAMEAVDSAFSGTHFHGAEMVR
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LDRMVESFRNWAREVLRPC SASLSEQTKRFVVAACSSPEEEFRRLYASSEAAAASPQGAV
VTNVSPHVS GYLMDISFVLNRSVCP SDSL LPVP SRDYAVAMGVDGASIPRMIDTIRCALL
REGFEASTSVLTRLHLGPALDGT SAPL LSESGPSGIAQTKNDLSFLQACFFERNQYGFSG
ASVEDSKGELASIVRKTDLHFRRS CNRTTVQVIGEK RKHLL EAGDLFFSSLFGKDKISSE
AAPVGGFGFDASSQAGVGVGNTKTPLFHPPLESSCRFP LLP IQADRTL SGVQARGKYKEK
EENENHSQKLGSGTVRAGFGFFSSMLKKAADPSAAGKRRSDECLCQDSKII FSQILRRLP
MHTCPIDIKC

>comp8822_c0_seq1; 287 1 1086 LEN=2127; minus strand; translated
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LSRHEDSVFHARRLLSDLIEGRGKYFD TGRNDKMNASPFTIILKAAGNTKATDFSSDNSE
AEEDAFGSLGDTEQQSSLLLD PYSIALKTYTELLKDTYDLGVSADHF AFAEMLAVVEKHT
AVESIERRQRIEEIFGDACQAGQVSSLVRSVQKACPNDTMLREVL RIRANDSVASIESI
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R

>comp8822_c0_seq2; 504 562 2049 LEN=3090; minus strand; translated
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KVKIAPQRIREVLDLMIIEADGSIVPFNACLNAWAQSFTSESPNRADDLLHRMMDPELQA
LADIYPNTVSFNTCMQAWAKACKFEDSATPEKAEELNLLI ELSKENGNNPHSEKRWELG
PDLRSYVIVMNAYALSRHEDSVFHARLLSDLIEGRGKYFDTGRNDKMNASPFTIILKAA
GNTKATDFSSDNSEAEEDAFGSLGDTEQQSSLLLDPYSIALKTYTELLKDTYDLGVSADH
FAFAEMLAVVEKHTAVESIERRQRIEEIFGDACQAGQVSSLVVRVSVQKACPNDTMLREVL
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>comp8823_c0_seq1; 261 1 1183 LEN=1255; translated
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RIREHGFINFYGEQRVGAPGDSNDVGVRAFEIGHSMRLRQDFMGAIKLLMEGTRHHEQDDV
ARVRKAWKDSNGNPSITLKAFQRADIMPRERAVLRGLNRYPDNPLEAIRFLSYNMRTFYI
NAYQSLIFNRAASQRIKLYGDKVVKGDLYFEHNDNRRDSVKVVQGNEVPPIGISQVVLPL
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>comp8823_c0_seq2; 653 118 2763 LEN=2835; translated
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TNDATTMNVADENAEMRAQKKA FHRAIRIKYPFLQTESITHCHNDHKAPTLOSIDDNKRD
RSTHHWIRVTVVEECFDDLQYLHSPRNDLTQLLLFRNRGFEGASPRSKSNNRTDVIAGTP
SVTLQLRPGISKDDRRKVHILATKNKHFESSVRHQGSKDRNSSKSVQSAKQDASENSPP
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>comp8823_c0_seq3; 430 118 1641 LEN=1687; translated
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TNDATTMNVADENAEMRAQKKA FHRAIRIKYPFLQTESITHCHNDHKAPTLOSIDDNKRD
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SVTLQLRPGISKDDRRKVHILATKNKHFESSVRHQGSKDRNSSKSVQSAKQDASENSPP
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>comp8824_c0_seq1; 159 1 734 LEN=1128; translated
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NIENW

>comp8824_c0_seq2; 521 124 1970 LEN=2364; translated
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FASSKGSAGRESKAENATVVENDGRMVVLDWTKLDTITSLELLRQQVAFLLSEYRSL
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TLTICVDKVAASGGYMLCCTASPGQLFAAPFALLGSIGVIGTQINVNKLNDWGIEPLEF
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>comp8824_c0_seq3; 597 124 1857 LEN=2251; translated
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GVIGTQINVNKLNDWGIEPLEFRGGKDKAPIGLLGPVSKDGKRTTQAMIDQTHRAFKQH
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>comp8825_c0_seq1; 160 230 490 LEN=490; translated
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>comp8828_c0_seq1; 254 444 815 LEN=1615; translated
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>comp8829_c0_seq1; 539 284 2536 LEN=2634; translated
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>comp8830_c0_seq1; 367 1 1374 LEN=1655; translated
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>comp8831_c0_seq1; 382 1 1247 LEN=1441; translated
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RTLGLGKFLFQDAGIVLHKVGEVDPVDGSI SNIITRWTLRVTVKAIIPWKPTARFTGISV
YEVSSGGSEGVVVDHQTDYWDSINIQSGGGYKVDKSI AVNHFLDQLKPGNVNAVAAGLE
LPYELLRIGKDYELRRYPIYTSATIPYDRRDEGYDVLASLTKGMTPLAPSLMEVPNDSSK
KSMWPLVYALPGESSPKPIPEEILERSKEPLWDGCDIENIGSKVVAVGTFSDASVAPIV
RKADRALRESLKRDIAPVSGSDSSVRFAQYDAIFSMGKRRGEVWIELDDDGHPY
>comp8834_c0_seq1; 359 1 1530 LEN=1673; translated
XRNCQTIKAKDLFPMKLFQWYHGSESSLLVSVSLCFLVLLLNSSNSLGNDAVVDVAF
SAETPRHRTGPRVARNELTNEQLPMVGATRRDSLVLQSLFLATMLLNTDPCFAMSEGDDA
DIGDGLRLAKPMGVDNSRPSAPLEYLLPAARVGTIYQTLAIVEEVTKLQOEAVPLEGVS
TGATTTTVDEKNSDQRTKDTIVARAQDEVNKLDFLTPPPFIKNDPSVSRGDQYKNS
LPVIGEIGVAAQKQKERRDRAIEVGFAPQFFEVGELVGERRQWTQLQRAERAREGASEVR
RAFNIYTTNLNFSRTNYQWVGSTQDKSQRIRNDRLPPTTVDVIRSDLDARDLYRNQVQ TAL
EDARAEMYQRKESGNNRVDFRRLDTTELLEILTQAQVSVDKWFGFVPRDRVLALEVV
IQEQTEKIDSKGNMIIRKLDLPTMLVALLEVQSREGKLDTMVRALELLQRTKRFLMQHD

TSSQHNMQDCLDNADTMVVNTTRSSPVHG
>comp8835_c0_seq1; 303 1 1245 LEN=1375; translated
XTDDGRHDDSDWREDLEGLHDVSVLKKQFLSLGTVFLSGVSKEVVNDGSMVDDKLVSCFR
GHLRSFHVEAMNTIGTMFYREDWQLHSANDLQRETRATLSSPGREGDDKTTHSLRSVLEF
VFERVLHQGDHSESLCCRSKCNFGSRAIAENPNMMLLAECRNPFIDRARRTAEAKTES
ITSDVFSRSNDRVEDMIKLEIYIGDDDAGLSKIILRSVFDGVLPMARLLLLIIDKLP
AEDASHVLIGIVDLYVTTAFRLCAGNERNERILLGIDDLVSTKQDANAQVNRASSPMFD
FGLRSQGPTRQAPVLSVTAEAEALCALVPGESKNLEPLRDFLLECCQKRMIEGVAKL
DLVDN WISDPVIAEDTIEEDFAKETARVMERRQGASCNHILVALALLQRLETSRRRATE
>comp8835_c0_seq2; 406 1 1769 LEN=2077; translated
XTDDGRHDDSDWREDLEGLHDVSVLKKQFLSLGTVFLSGVSKEVVNDGSMVDDKLVSCFR
GHLRSFHVEAMNTIGTMFYREDWQLHSANDLQRETRATLSSPGREGDDKTTHSLRSVLEF
VFERVLHQGDHSESLCCRSKCNFGSRAIAENPNMMLLAECRNPFIDRARRTAEAKTES
ITSDVFSRSNDRVEDMIKLEIYIGDDDAGLSKIILRSVFDGVLPMARLLLLIIDKLP
AEDASHVLIGIVDLYVTTAFRLCAGNERNERILLGIDDLVSTKQDANAQVNRASSPMFD
FGLRSQGPTRQAPVLSVTAEAEALCALVPGESKNLEPLRDFLLECCQKRMIEGVAKL
DLVDN WISDPVIAEDTIEEDFAKETARVMERRQGASCNHILVALALFAATRNI
PSSCNRVKGYSE QVLRVFP
LLISLCNRISCMRAIRGRAVLQEI
VSIGSLWEESKLHEHANDYVDDFC
GFLAL LWRYL
YASPGRLPLGILKMLWENLVGG
GYMILIDGFSKVPYCSTEGRAL
MSMDVASRSE TSARS
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PYRSAAYVDTYVKIFYF
PSKDALEW
>comp8838_c0_seq1; 329 67 1410 LEN=1635; translated
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SLRNSTQTLLRPIL
TIDSPSNNDNESQ
CREFSSTLPRNG
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FIRRSDRPELRPS
LYHIRASGESRID
RASRLCPT
RDLNYTPEMWAR
HKAPGRH IQ
HLFTVFGCAS
FQRLIFPDLFL
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>comp8838_c0_seq2; 275 67 1144 LEN=1873; translated
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SLRNSTQTLLRPIL
TIDSPSNNDNESQ
CREFSSTLPRNG
DSA TNDIQSP
FIRRSDRPELRPS
LYHIRASGESRID
RASRLCPT
RDLNYTPEMWAR
HKAPGRH IQ
HLFTVFGCAS
FQRLIFPDLFL
TASVAAGLTY
YNVFFGGAD
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>comp8838_c0_seq3; 275 67 1144 LEN=1960; translated
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SLRNSTQTLLRPIL
TIDSPSNNDNESQ
CREFSSTLPRNG
DSA TNDIQSP
FIRRSDRPELRPS
LYHIRASGESRID
RASRLCPT
RDLNYTPEMWAR
HKAPGRH IQ
HLFTVFGCAS
FQRLIFPDLFL
TASVAAGLTY
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PFAFDTTAFT
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>comp8838_c0_seq4; 271 67 1185 LEN=1854; translated
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SLRNSTQTLLRPIL
TIDSPSNNDNESQ
CREFSSTLPRNG
DSA TNDIQSP
FIRRSDRPELRPS
LYHIRASGESRID
RASRLCPT
RDLNYTPEMWAR
HKAPGRH IQ
HLFTVFGCAS
FQRLIFPDLFL
TASVAAGLTY
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>comp8838_c0_seq5; 275 67 1144 LEN=1741; translated
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SLRNSTQTLLRPIL
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CREFSSTLPRNG
DSA TNDIQSP
FIRRSDRPELRPS
LYHIRASGESRID
RASRLCPT
RDLNYTPEMWAR
HKAPGRH IQ
HLFTVFGCAS
FQRLIFPDLFL
TASVAAGLTY
YNVFFGGAD
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>comp8838_c0_seq6; 275 67 1144 LEN=1828; translated
MSFLLNCSSLALLRPVRA
SLRNSTQTLLRPIL
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CREFSSTLPRNG
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TNDIQSPFIRRSRPELPRPSLYHIRASGESRIDRASRLCPTRDNLNYTPEMWARHKAPGRH
IQHLFTVFGCASQRLIFPDLFLTASVAAGLTYYNVFFGGADPFAFDTTAFTSCSMGISV
LAGFRLNSSYGRFNEARRILGQVNNSSRNLMGQACMFLNERNMQRMKRLKAYSVALHFH
LNTKGGHFRLKSTDPETKGVNAAYRDEMREIFLPANENLSGIDTKIVADATADFDIICK
AYESGSHVPLLLSSFMRKIIIDHESDNDPRYVAMTDEVSNLVDCLGGCEAYYGPQSL
>comp8838_c0_seq7; 320 67 1383 LEN=1767; translated
MSFLLNCSSLALLRPVRAASLRNSTQTLLRPILTIDSPSNNDNESQCREFSSTLPRNGDSA
TNDIQSPFIRRSRPELPRPSLYHIRASGESRIDRASRLCPTRDNLNYTPEMWARHKAPGRH
IQHLFTVFGCASQRLIFPDLFLTASVAAGLTYYNVFFGGADPFAFDTTAFTSCSMGISV
LAGFRLNSSYGRFNEARRILGQVNNSSRNLMGQACMFLNERNMQRMKRLKAYSVALHFH
LNTKGGHFRLKSTDPETKGVNAAYRDEMREIFLPANENLSGIDTKIVADATADFDIICK
AYESGSHVPLLLSSFMRKIIIDHESDNDPRYVAMTDEVSNLVDCLGGCERILRTPIPTT
YTTNTRLSLMSLWSTLPLGLYPLTGPEWTLPLSVVLSYVVLSDIEDVGVVEIEEPFHVLPFR
QYTEGTYCSEYVYILLYL
>comp8838_c0_seq8; 294 67 1497 LEN=1722; translated
MSFLLNCSSLALLRPVRAASLRNSTQTLLRPILTIDSPSNNDNESQCREFSSTLPRNGDSA
TNDIQSPFIRRSRPELPRPSLYHIRASGESRIDRASRLCPTRDNLNYTPEMWARHKAPGRH
IQHLFTVFGCASQRLIFPDLFLTASVAAGLTYYNVFFGGADPFAFDTTAFTSCSMGISV
LAGFRLNSSYGRFNEARRILGQVNNSSRNLMGQACMFLNERNMQRMKRLKAYSVALHFH
LNTKGGHFRLKSTDPETKGVNAAYRDEMREIFLPANENLSGIDTKIVADATADFDIICK
AYESGSHVPLLLSSFMRKIIIDHESDNDPRYVAMTDEVSNLVDCLGGCERILRTPIPTT
YTTNXPASTSELNPPKYRPFATGTNIFVFIELTMQVNEFMESNSSTWIVPFDGPEWTLPL
LSVVLSYVVLSDIEDVGVVEIEEPFHVLPFRQYTEGTADSLDAIEKAYGLCPENLSNS
>comp8839_c0_seq1; 585 62 1126 LEN=1400; translated
MVQLLNSSYAMILLAATSRLSSAFVPTAKSFGRALTKVAASDNDFDDFSSKVAVMFPQGQ
AQSVGMCSEVVNDVPAKALFDEASEILGYDLLEVCTEGPKEKLDSTVVSQPAIFVASMA
AVEKQDAGAEAVEEATCAMGLSLGEYSALCFAGAISFADGVKITKARGEAMQAASDAV
DTGMVSVIGLQSDKVKELCEVASDKSCEKQVIANFLCKGNYAVSGATAACDKLAEIAKPE
FKARMTVKLAVAGAFHTDFMAPAVSSLEDILKEVEIKKPRIPVISNVDKPHSDPEVIKS
LLATQVTSVPLWENTMDLMLSKDFEKAYECGPGKVTAGILKRFKTAACENISV
>comp8840_c0_seq1; 44 1 559 LEN=1340; translated
XVGGDQNRNQTTPRCRGPALSALDAKILSSERGNELWGVADPNPDPSSPERLLRKTEA
GMAGFLTQPLSSPASDTLADCREAGGRATKLLAGLALPRTARGLRFWAGLLGREDELER
DPLFASHLAYFSQPYVTPAWAGRELTDLLGNPDADGVHFMPLSNTGDLCALFESLNHVR
RAGSSE
>comp8840_c0_seq2; 114 1 614 LEN=614; translated
XLASLAASEQTGDRIEGESEIEIEQHTTEILPPAPDLFSEEQQRPEQRPVPLHRVIPCL
AILFYSIPFHPMRAFSPAAGKIVSVEWNKSVAEVRSLLLPAAAHFVLPDLPGVSDRDRE
AFETGTGDDPSSRIHTVAACHHETAESLLAAVDGVHPDARLLVGGDQNRNQTTPRCRGP
PSALSALDAKILSSERGNELWGVA
>comp8841_c0_seq1; 265 1 1141 LEN=1540; translated
XAAALCPRSVLTTGVGTTAGLTCAAVREGNGKEFALEAGALVLADKGI CCID EFGCIRN
EDRTTIEAMEQQTL SIAKAGIVCKLNCRATVIAVMNPRNCIYDNHMSLAHNTGLGTPLL
SRFDLIFKLVSDSAERDSNVTTYLLNRAIQGTGFECSSSTSAGIAGEDTPWSMEKLRAYI
AIVKDRFQPSISDEAARLLEAHYEKVRSAQSSSIPVTVRFLESLIRLSQAHARLMYRNTV
HLEDVAVLRVMECSAHAYGGFDGNVDDPENILYGDPMHMDTCVYAPDEDFVVFYSILK
RYDMLEYMSNDRNQALALLEGEDDNDAMGFGPTTWNNIANPHDRPGTVGEDHYGRSYFS
PGPPSQSQTPNTKRRKVM
>comp8842_c0_seq1; 1251 80 3307 LEN=3522; translated
MSEQIDFGADDPFVVDKTLWLDTVVVFGLSCFVLCMLNLSKVSTSKMGMLYGVVGMICLVA
GYWADNVYTYGDGRWLI AASMAPGILFGIWSAISVEITGLPELVGAYNGFGGLAAALEGI
GLYLDPDATYLVRRGNIVKLNDPMLWVQAIALVLSIIIGMMFTTGSMVACLKLHGHTIAS
KPRIIPFRWGVTVLLFVLMGIFGALAF TGQTWNRGLGITFIAIVTILSGLYGI IAVMA
IGGDMPVSI SFLNSLSGFSTSMAGFMLS NKALVVAGAFVGC SGI ILLTVMCIAMNRSIS
NVLIGGF GDGAGKKVAKKVEGTATEVNADDVIELMQDAKSMI IVPGYGMAVAHAQHAVAD
LTSKLRARGTNVRF AHPVAGRLPGHMNVLLAEAAVPYDITFAMDDINEDFPETDLALIL
GANDTVNPAAQTDPGSPIAGMPVLEVWKAKKITMKRSLRVGYAGVDNPLFVNDNNVMFL
GDAKKSLEKLLALLGDAGEGNTNGDIEAVAKKVVKVDFFFTQIPQLLQNTFLKIGVCKE
IAQDGEKRVSI VPEVAKRLLKSGIQVFVETSAGDGGGFYDSAYTMMGCQILGSAQEVYDM
VDVVVKIREPEMHPITGIHEIDMLGQKSMISFVGPRTDK GKALMAKAVSAGINLLAVDA

IPRISRAQSLDVLSSQAKIAGYRAVVEAANEYQORFFNGEVTAAAGSFAASKVLLVVGAGVAG
LSAISTAASMGAIVRAFDTRLECKEQVESLKGEFLVLDVDFSEDGGDSGTGYAKVMSDAFI
QKEMEMFREQAKECQIIITTAAPGRPAPKLIMKDAVDNMAPGSVIVDLAGATGGNCELT
RPGETYVYDNRVTIIGTTDLISRMSWQASSMYSNNMANLLDLLCPKPKEEAAQKSLFIDM
DDPVIRGMTCVHDGSVTWPPASVTKTSAQSGGQNEETQISMTPVAKPSAFSKRVFDLTS
IGEILGFLMMLFFVVLAFVAPVSVFTQLLYFILAGFLGYLIWAVEPALFSPLMSISNS
LSGVVILGGILMVSGERGSNSILGCLAISVATINVFGGFAVSYRMLLMFKKEKQ
>comp8843_c0_seq1; 344 269 1388 LEN=1468; translated
MAMEKNPTSPETNKIDNLASRRGDRLLEKDRRRKTHEEHTNGDENHHAHTSINTTTKTH
EPGPRETGPKFGARSFDYWDAYNIEQHDSYNNVQONADPYAQTIPVPSSSYSFSPTTST
TADFTLSLVPSTSVDELNPSTGSPSTSDASPTETPSSRSTLVPSAILLGTEDPTVANITP
EPTVNSNSNVLSYQDQRGICSGAANGIGCASEDPEEQLSGNPNEIVNCFNVTEFGVELP
FMIDSVRFWIGSSSPPPDLELNVFAGTKENGPDSNILLYSQQLFGYTTGINTITTTMDV
MIFLSSFCVGVTSRSDAGLRIQTDDLGIIDDASYLRSPECGIANFTSLGDVGLTNDFCI
EALVSFGVDLRR
>comp8844_c0_seq1; 230 129 530 LEN=1100; translated
MTIGVDQEQPHEVVTQLEDEDDVTIVLEDTADEDEVMAGWVDQDSEPMQERRRNLL
RELQRVQRASFTHFMILCLIPTSLLFIVIATVLEGEDEDCQSIATTCEKEPRTFINAFTTR
CVCDAITVVRSDP
>comp8845_c0_seq1; 195 1 677 LEN=858; translated
XCSRAVATATSKTEPFRVPVDWKGMLFDYPTLIKKPMDLGTVKNINSRKYKSIPEAAE
DIRLVWNTCMYTNQDGSDFYILAKNLSKRFEKYAKLASELQVDARSDSGGGTSSNSSGV
VTLDEKRSFARSLYTLKEDLGKLIVEVDNKC PAALTKNMGEDEAE LNVDKIPVALFQEL
KTFVSTVTRPLRQPRKEPRGSRRDANMRSETTCFVISSLGGFDFG
>comp8845_c0_seq2; 283 324 1038 LEN=1219; translated
MGPPPTDAQWAMSKILQSMIQRSDTEPFRVPVDWKGMLFDYPTLIKKPMDLGTVKNIN
SRKYKSIPEAAEDIRLVWNTCMYTNQDGSDFYILAKNLSKRFEKYAKLASELQVDARSD
SGGGTSSNSSGVVTLDEKRSFARSLYTLKEDLGKLIVEVDNKC PAALTKNMGEDEAE LN
VDKIPVALFQELKTFVSTVTRPLRQPRKEPRGSRRDANMRSETTCFVISSLGGFDFG
>comp8846_c0_seq1; 698 94 1746 LEN=2115; translated
MSNDTNAVVSPEANVS VATVEYFFLVGDIGGTNSRLALYRHKEEKKRFDVNDNAVS
DSEVDNRHLLGMYHRPLFTQDYRNEEVLANDEETDTC DTHCNVSSSSSGGSDSSRANK
NVTKFVEKIIIGPFLEECWEAMVASLSASTNVSANDAIHKSPSNIDKIKSKNLNNEKNHMM
EISIVCCLA IAGPVDTNLNSGTVLTSQRDSFLTGLNGMILKELMHHPRCRKT SKLRPTF
KACVIINDFMAQGYGCCLSLSTTSISTESESSSSVVELKRIDSNSSVTRLASKSGPKLCV
GAGTGFGSCYLVPMTSTSSNIYSCLPSEFGQTEWVPNTANIADQREGKNGDDDQVELWKY
LLNQKLQRGETARLSVEDVVSGLANAYSCFNSLYPHKVNPAVQEQFNSSSDLRGKIVG
SNANNCEICKRAMDAV I IAYGTVVGSCAMTFLPSGGLYITGGLLVNLEETNDPSWKMRSA
NNLEDDENGSLSP TSPILSLFLKSYRSKGRASFLLD SVPLYIVLAKDAGLRGAAVHAEMV
LQTFPFNSLR
>comp8847_c0_seq1; 497 52 1159 LEN=1159; translated
MNSALDRWGASPSPLHENDKENLRKASRGND SKKKKKEKKARQPMQPQQQAQGTQNLKPL
RANAPAGIGKKTSGSTSSGASHDGSSMGSRRQSGPAARALGGAGLSSETEASPPVDSVF
RDPAAELEMNEVSTMAGDTYAGVEMDARVAEAVPPFGVSGAAAAGPPEMFVTPTRDDTD
EYGYEDLYGYSED RGKKPEHFRFDERIETISPVSTQPETPEKDGDI EGGNEECVPLCED
KEFSPKKQRRWRCII CAGCWLAF FLVVGISMLGYTLYAVRNEDKGALSLSFSKEFWVRAGD
EIQDALFFWQDDEDENEKTMAPTQDFWFDATETSTSFPGTEWPTMPPSTVTRDAIEAVVLS
AAVDRGIASX
>comp8848_c0_seq2; 216 15 402 LEN=402; translated
MKFLTSAAIW TALTT SVGAFAPTLNVARTQTSTLSMGVAAASKEEDLMLTLKVIMDHAD
RSSTVSKEQYIQQVEEAKTEEAAAQEPIDVSI PYDATVQLAYDKSDKSM SDFEFP IYLA
QAIAEVVAKX
>comp8849_c0_seq1; 553 139 2358 LEN=2516; translated
MSTNPPRSMAQDVARWYF SKLDPYRSNVSNIQSYLRSPLIALTVKTLQTRPLDIENNRRT
VNAGVGVNAIGVSENPSKLEEEKKNSADGTTGDWREYLQEEETNEKEQQNIFQSEFSSL
SRRTKARMEAFIAGCLLTVPGPEEPTKSDRKREFTEAERERSALS LQDGLSGFVPKRM
PINHRISSLTEQMGRMTMIGETADPNRVKHPQIAWEDLVIRLELYIRILQRRKNLNEECVI
AMESPKLIRTRARYTTNAFVATATYVRNISPVLTRLLHCLTMEMLAVECVSEDI TKVIHR
ITSEYEHRTSFASLAF LSTPEVNADSVLTPLVVKFLKHLQADWERLVKECELERMLIRAL
DPSMRKMFKTVEFQSIGHLLEVCHSYSNKLQSIELPPNLCATAENVGSLCENNAGAVRQAL

RDLRREIITVNGHVLPPVTSRNELVSMNLNQTLSNSTLTASSPRKTKKKRGGRKNGFRDR
LTKSAPPMQSYQPDPELSSDGASSIERQSNQYPIEPNLQTTDIVNDISENESSILSNSDS
SLAMDSPVENGRTMKLSSPTRRRRKGLHLAIDILTRRLLIAASRTGNGGDAYFFVKDL
FGGEDVEVPTSTVAFRDRMVHPGTIDILVRLASVTIKCHQSFDIYPKSLIGETEPLIQF
HTTTTEIISLQEI RADENDSHAQEYTVDDRTSVDGDNDDAERPPLMVIREHKTDRTGWR
VISIRPAMYEKIETWNTPS

>comp8849_c0_seq2; 467 139 1932 LEN=2623; translated
MSTNPPRSMAQDVARWYFSKLDPYRSNVSNIQSYLRSPLIALTVKTLQTRPLDIENNNRT
VNAGGVGVAIGVSENPSKLEEEKNSADGTTGDWREYLQEEETNEKEQQNIFQSEFSSL
SRRTKARMEAFIAGCLLTPGPEEPTKSDRKREFTEAERERSALSQDGLSGFGVPKRM
PINHRISLQTEQMGRTMIGETADPNRVKHPQIAWEDLVIRLELYIRILQRRKNLNEECVI
AMESPKLIRTRARYTTNAFVATATYVRNISPVLTRLLHCLTMEMLAVECVSEDIKVIHR
ITSEYEHRTSFASLAFLSTPEVNADSVLTPLVVKFLKHLQADWERLVKECELERMLIRAL
DPSMRKMFKTVEFQSIGHLLEVCHSYSNKLQSIELPPNLCATAENVGSLCENNAGAVRQAL
RDLRREIITVNGHVLPPVTSRNELVSMNLNQTLSNSTLTASSPRKTKKKRGGRKNGFRDR
LTKSAPPMQSYQPDPELSSDGASSIERQSNQYPIEPNLQTTDIVNDISENESSILSNSDS
SLAMDSPVENGRTMKLSSPTRRRRKGLHLAIDILTRRLLIAASRTGNGGDAYFFV

>comp8850_c0_seq1; 251 1 1001 LEN=1038; translated
XGEEAAAAYEQEKKDIAAGKIPVPPPKPKKSKQAPKRKADEKAGSKKGGKDDSEEDPVAS
GKRKPGRPKNPEDIPTKPPPAKQKATAGKEDIAPILAKSVGKATILAPIPKFADMGDE
ELMKEAAVRIVAARSVNYCVTEVQLPAPIHVDFRCPVPRRTGLYHQMGCALLVGLDPHLF
GWDIDSVLAKQYFGSDAERKNASRALAEFFGSDGLNQRFRCLVQGSTTVLGCAGSHTKRV
YASLGLGSPPIGGPVGRIDCNTGGESRCCGETAACIRYVPTDTGDFQFSALSSDLITMNG
QRITPEMGSPFLFNEDICTIGSRVVFVLLPSDA

>comp8851_c0_seq1; 440 98 1680 LEN=2340; translated
MEENTLSTMLRSRKSPTHGSASPTDSLCDGMDIEKSSSIARHDKFKRQLFGAHANRKNAS
CSPLYXIATNFTTFFVYQWVLRSTTKEISQSCPMDMVGAFANWFGNTLDSKRKAADFQDIR
IDETSGRHRKFFTPVPPQFRKTFYYDGKKISQPIARALRSRGWVRVDDTDNAHLIYTYYN
EADWATELLPWQRFNYIPGLEKWNKSDFVYYKQYEEATGKPPSVYVPESYMLTENKKE
VEAFRHVLEKGNKKNYPWVHKL SNVNQKGKITIMAPNSPELLTLPDDSI RTIESILANDK
KDSSGSEDEDDVEESI IQRYICNEMTWNQRKFDVRMYWVFASLDPLVLYHDGYVRVGN
AYSETSFDTTSHLTSHTGLGAEGKADFSQLEETLNKHHKKKQKTRPLFPNGNTPVEHVR
NQFKHALGEMIEIMKDESFAVPLNDEDPDISTENSFOFYCADFILDNDLDVWFIEPQNG
CGLDEDYFRLEMHASLFNGMVDILEEVGQKQENQEP LLLPLEKSGNW

>comp8851_c0_seq2; 443 98 1761 LEN=2144; translated
MEENTLSTMLRSRKSPTHGSASPTDSLCDGMDIEKSSSIARHDKFKRQLFGAHANRKNAS
CSPLYXIATNFTTFFVYQWVLRSTTKEISQSCPMDMVGAFANWFGNTLDSKRKAADFQDIR
IDETSGRHRKFFTPVPPQFRKTFYYDGKKISQPIARALRSRGWVRVDDTDNAHLIYTYYN
EADWATELLPWQRFNYIPGLEKWNKSDFVYYKQYEEATGKPPSVYVPESYMLTENKKE
VEAFRHVLEKGNKKNYPWVHKL SNVNQKGKITIMAPNSPELLTLPDDSI RTIESILANDK
KDSSGSEDEDDVEESI IQRYICNEMTWNQRKFDVRMYWVFASLDPLVLYHDGYVRVGN
AYSETSFDTTSHLTSHTGLGAEGKADFSQLEETLNKHHKKKQKTRPLFPNGNTPVEHVR
NQFKHALGEMIEIMKDESFAVPLNDEDPDISTENSFOFYCADFILDNDLDVWFIEPQNG
CGLDEDYFRLEMHASLFNGMVDILEEVGQKQENQEP LLLPLEKSGNWEI IYADGQVYNYN
GYERSANKEGCEVQ

>comp8853_c0_seq1; 414 409 1323 LEN=1491; translated
MGMLLGDKEGVSDENALILSDILGTEDALGTMDFKVGADRTGITTFQLDIKCEGLSLQTM
ERALEQARVGRHLHILDKMDEVLSKSREILPDTVPKLARFTIEPSSIGKVI GPGGQIRAI
IEDYELSNMNVDDGDNVQISSFKQDKLVEAEFVKKLVAGGGGRDGGGRGGREPRPQYSG
PDPVEGQVYKGTIKGVHPFGVFLFMPGAEDGSTPGLGLEGLCHVSELAEHVRSCEGYVKS
VLNTEEFDVVYMGVNKQGKRSLSRKAALAAKRNGTNGAPKEQASVMSDEEFDVIAKAI EG
VQES

>comp8853_c0_seq2; 401 1 1223 LEN=1391; translated
XKIDKIDGTEEKRYLQYSFPPSCVGETGRTGAPGRREIGHGNLAERALAPTL PSEEEFP
YTIRVESLITESHGSSMASVCGCLALMDSGVP IKNPVAGIAMGMLLGDKEGVSDENAL
ILSDILGTEDALGTMDFKVGADRTGITTFQLDIKCEGLSLQTMERALEQARVGRHLHILDK
MDEVLSKSREILPDTVPKLARFTIEPSSIGKVI GPGGQIRAI IEDYELSNMNVDDGDNV
QISSFKQDKLVEAEFVKKLVAGGGGRDGGGRGGREPRPQYSGPDVVEGQVYKGTIKGVH
PFGVFLFMPGAEDGSTPGLGLEGLCHVSELAEHVRSCEGYVKSVLNTEEFDVVYMGVNKQ
GKRSLSRKAALAAKRNGTNGAPKEQASVMSDEEFDVIAKAI EGVQES

>comp8853_c0_seq3; 577 104 1554 LEN=1554; translated
MYFVGI L VVAFLN S SNGVNGFQARRG PRLT T L N G A K A A I S T A L N E S P Y Y S I E T N N N G P A G
G E V H R L T I H K L P G Q K E D D E N E N P I V I E T G K I G R Q A S G A V T L Q R G D T V L Y A T A A C D G S P K E
G L D F L P L S V E H Q E R F S S V G L T S G G Y N K R D G R P A E H E V L T C R L I D R P L R P L I A E G W R H E T Q
L L S W V M S Y D G L R S A D P L A I V A S S T A L F L S E V P L T K A V A A M V G Y D K E T D T F L L N P T N E E M
E K S P L Q L I V A G T K D A V L M I E G A A D F L P E E T M V R A V T F G H E A I Q V I C E A V E E F G A L A G K E K
N F E T L K T A P E A L Q Q V V D D L M T E K V D A A Y A L G G T K T T Q G P V M S E L R K E L V E T L T N S D D E E A
A E Y A P N D I K S A F K D L L C R R M F V R A Q E T G Q R C D G R A L D E I R H L T M E T G F L P K T H G S A L F T R
G E T Q A I A T T T L G D S G M R Q K I D K I D G T E E K R F Y L Q Y S F P P S C V G E T G R T G A P G R R E I G H G N
L A E R

>comp8855_c0_seq1; 434 140 1280 LEN=2792; minus strand; translated
M G T F L K E R F G E V E F G T T E P M K D L D Y T V M D T D D A V D I E F V P S N E T M I A K K K T V I T E D I M V E
T M E Y D D N G F A L K G F M A K P T S L S S Q K V P A I I V L P D W D G V N G P T G Y E T E R A V M M A K E G G Y I A
M V A D I Y G V E H T N V E D M Q E R I V L A T K Y R S D P E L F V G R I K A A V D L L V T H P S V D E T H I F V A G Y
C L G G T G A I D Y A F S S G I F E S V K A V P I H G G L S P L R E I K S D V V K P Y V L I L S G G I D D S H G N P T
E L E Q H L D G A A T W E I S R Y S S K K H E C N S F A F S H E C V I Q K L T I S L L F D I N D A N H G F T K W G T G
P F S A Y N E I A D S R S W T S M M S L F K T L A A S T E V E D D T A A P V E E A H D D I K E K E M S E K S S A Y T G
V T G F S F L A A V A F A S S V A V I W

>comp8856_c0_seq1; 442 333 1580 LEN=1611; translated
M E K L A T L V L G N N D L S G E V H F G G L Q N L E E I N L E N N K F S G P L P R F P D S P G I R S L R V G D N N Y D
S Q L F P T E F L E M T S L T N L G L N N L Y L T G A I P V G I G T L T S L E I L N L E D N L M N G V I P L P I S D L T
A L T E L S V R N N Q L S G T I P F E I S Y L T N L E K L S L S N R L D S N I P V A I R H L T A L K T L E L E S N V L
E G E I P S S I V S L S M L E T L N L A D N A L T G L V P Q S L W S L P S L R E L V L A N N Y L V G R V P E L I G N L K
K L E V L N L A A N T F H G R I P E S M T S M T N L L S L D L S F N F F G G P I P T D I G G L E N L R E L L L G T N Y D
E S D K T F G F D G T I P S S I A Y M V K L E R L E L N R N R F S G V L P S H H G F M K A V Q V Y D V S E N D D L A G T
I P T D F S N M G Q L K G L R I F G T K I E G T I P E E L C K G G M S I E M D C A G A T I T N C G C C I C S P

>comp8856_c0_seq2; 646 1 2727 LEN=2758; translated
E Q Y E Y P K I T H N I T S L F A A V S I F D E T L Y D L A V F T A R L A Q D F S V L I V D K R C S S R H T N F P H V M
Q W F N S R G G D G D F D R P S V S T N E R R S R A D A N Y D E T D N A N N T P M T A I G D S P E K A F F A S T F D A
Y E E G S Q V S S R E K F H L Q S G H S N G L S G K A K S L L Y G A T S I C F L I V I V V L I A I G A T Q D L F S S S T
D K N G A G S N Q N A S S I D F K E G V D E L Y Q Y L I T V G A R G A A S F I N P I S P E S Q A L A W L Q Q E D P L E L
D P K D P Q Q H Y R I N Q R F A L L T L W F Q S D Y D W N D Q T N W L S E D D E C R W K G V T C V V V S N S N E G S L R
N G D K I V Q V L N L E K N N L Q G N L P P D L Y L L K Y L T S L N L A G N Q I V G G I P P T L N S M L S L K E I Y L Q
D N N L S R E I T L D F S R M S Y L T D L N V S N N K L E G T I P N S L F S I A S L S R I Q L E N N N F T V G S S G D V
R N L I N L N T F T A G N N E L N G T I P T E L G S I E N L E E L S L R N N S F V G K I P V K L S G L S S L R S L D L S
S N A L K G T V F P L S N M E K L A T L V L G N N D L S G E V H F G G L Q N L E E I N L E N N K F S G P L P R F P D S P
G I R S L R V G D N N Y D S Q L F P T E F L E M T S L T N L G L N N L Y L T G A I P V G I G T L T S L E I L N L E D N L
M N G V I P L P I S D L T A L T E L S V R N N Q L S G T I P F E I S Y L T N L E K L S L S N R L D S N I P V A I R H L
T A L K T L E L E S N V L E G E I P S S I V S L S M L E T L N L A D N A L T G L V P Q S L W S L P S L R E L V L A N N Y
L V G R V P E L I G N L K K L E V L N L A A N T F H G R I P E S M T S M T N L L S L D L S F N F F G G P I P T D I G G L
E N L R E L L L G T N Y D E S D K T F G F D G T I P S S I A Y M V K L E R L E L N R N R F S G V L P S H H G F M K A V Q
V Y D V S E N D D L A G T I P T D F S N M G Q L K G L R I F G T K I E G T I P E E L C K G G M S I E M D C A G A T I T N
C G C C I C S P

>comp8857_c0_seq1; 313 108 914 LEN=1026; translated
M I D F P Y T V D D E P T E D W K V E Q V L H W W L L R A N A E S E A E Y D R I V E G L S K Q L D D G K K E L W E A H K
Q V S E I I G E N D T N N R H E N S E N V E N Q S T H S N Y Q N K P A I N I E K K N S K R Q I N Q Q E V K P V K A I
A V P V A S S R A T R S R K T A P S K E P A A A I T S E S A T A N K R P D T I H I D I I A G P Y E G A F Y D L Q P K S R
S H A W I G R S S A K F K E R G I S L P Q D L E V S T S H G R F E V K G G K F Y Y T D V A S T N G T R L N G E E C E P
N V P Y E L S P K G M T I L A G Q T T M K V T L L S L A

>comp8858_c0_seq1; 114 1 433 LEN=479; translated
X K P K P K P T R P D F T T P H N I T L H H I K R N M A T R M A S S T V A A A S C G G A H T A H S L L P H A A S A A A G
Q L V Q P H Q H R G K A S S P A S A A S T R A H Q V P N R F T V A F A E M K R V C P A S I S S Y A A C V L E A E G S S S
A I E R G S C S E E F R R V K D C F R K V R G F

>comp8859_c0_seq1; 492 694 1535 LEN=1535; minus strand; translated
M M E F S R N N L S D E E W M A K M S S M N Q S V D Q E F L R R L K A S S A G S S G G A G S N A P S G M G T D G S S
S M M Q Q N Q Q R N L S Q Q N G G N N T G N G N D A A E E E L L L Q L L Y Q R R R R Q Q M K E G M G G G A G G A P
G D D G R F G S G V D S S G A S G N P T T H L M R S D E E Q L K K L R D Q Q A T V V S R R N S L M S A T G G G N D R R A
T M I N G F S D A S G N N L G N A N P L G G N R S P N Q T R G S G S I S P F N A S N G M V G G P G S S L D G V R R S S
M M G A M G N M G A P A G G M F G G M G G L G G I G A M G A M G M G A M N G M G

>comp8859_c0_seq2; 246 1 557 LEN=557; minus strand; translated

XAMNGMGGLGAMNGMGAMNGMGSMLDPFHQDAYGAMGASADYLNQPQRVDLSGSSRLLAL
QRQQEAGMVGMQAGVFPVHPNMVGSFMDRERLMDLNLYGHTREQLAQQAHTKLLLR
EQLQHRQLQSSQLQNGVNLKKKRAPARKKTPTNKPRRPLSAYNLFFSEERERILKEIDEK
AALERGX

>comp8859_c0_seq3; 492 583 1424 LEN=1424; minus strand; translated
MMEFSRNNLSDEEWMAMKSSSMNQSVDQEFRLRLKASSSAGSSGGAGSNAPSGMGTGSS
SMMQQNQQRNLSQQNGGNTGNGGNDAAEEELLLQLLYQRRRRQQQMKEGMGGGAGGAP
GDDGRFGSGVDSSGASGNPTTHLMRSDEEQLKCLRQDQATVVSRRNSLMSATGGGNDRRA
TMINGFSDASGNLGNANPLGGNRSPNQTRGSGSISPFNASNGMVGGPGSSLDGVRSS
MMGAMGNMGPAGGMFGMGGLGGIGAMGAMGGMGAMNGM

>comp8859_c0_seq4; 492 544 1385 LEN=1385; minus strand; translated
MMEFSRNNLSDEEWMAMKSSSMNQSVDQEFRLRLKASSSAGSSGGAGSNAPSGMGTGSS
SMMQQNQQRNLSQQNGGNTGNGGNDAAEEELLLQLLYQRRRRQQQMKEGMGGGAGGAP
GDDGRFGSGVDSSGASGNPTTHLMRSDEEQLKCLRQDQATVVSRRNSLMSATGGGNDRRA
TMINGFSDASGNLGNANPLGGNRSPNQTRGSGSISPFNASNGMVGGPGSSLDGVRSS
MMGAMGNMGPAGGMFGMGGLGGIGAMGAMGGMGAMNGM

>comp8860_c0_seq1; 469 374 2124 LEN=2243; translated
MMKALSLFYLVSLSSIAASSSTTTASAATGTGMHMAKNTGTLRAIAIRVIDGNGTAPIAS
VEEIEEGMFEDDVCLKTQIEACSYGKLEIEPFGITDTGVFVNGVVEVVVDHQIEEDNS
FTVLR EAATAAATAMLGELKSSSTFDIFMFCMPPTLKDGGQWQTFGIQNGKGSFYNDQY
CTMTSALFARIGLNMNLAAPSNAIKDGEVKLFQDKTGFMMIDEGGIERMCMYNAAKSYQLG
WYSDKTDSDIDPLLDGAGAVRRF ILNGVTDYESGNTDALIVLRLDQSAKKAEYYLGYNRKD
GINRDTTQDFDMVNLVKEDSTTEFGPSNKIASLFPQKQYTIQGFNDDRDVEIRFVGLDN
GLQDAIEVVDVENDVDADPKPCANYTIEIKTDKYPEDTGWYIIEKEDVGVQEIIVAVSPV
FTEPSTTTKSIVCLPYNTNYQFVIIDRTGDGLQFGSYRGLDPEGNELFFYKHLKPFARKV
EPIQVGLDPAPTDSPTQLPSLQPSRIPSQSPTVAPSLSPTRAPVPPPTPFPSAVEGEXLS
GQEKKVAMEEKENAKMQMDCLEKEMRRGIQGEKDVYSLSKGL

>comp8861_c0_seq1; 546 157 1344 LEN=1531; translated
MTITMLSVSVSVEFINEIIDSVLASANVPSSIVLSRVVTADWKSLSKSSLYLAGTKNDIL
DNDNHPPYYFGIQVVASSEEQFQTPGQLIGFCTFYIAYSTWDGRMLYVDQMDSEADGSL
LYHTLAKVATRIGAGRF CWKGERPLWEDAGASPEFLEDWVFLSMNRCAMANFVVGSTPIE
SPGTVVPPNGGESKRIKPLHRVYVEETIRETLHQQTTPSNIKLRLAGPEDSDTIARLVKLL
AIYEKEPDAVNMGAKDYLVDGYDSSAEPLFYCILADITSPDEASNGGREIAPSTATTAAM
GLFYFGYSMVDGRFLYLEDLFCDEKFRGKSVGTTIMKQLALVSTVLDCCQFVWTALDWN
PALSFYDKIGATVNDDLKITRYCGEDLQAF AISRP

>comp8861_c0_seq2; 480 157 1443 LEN=1630; translated
MTITMLSVSVSVEFINEIIDSVLASANVPSSIVLSRVVTADWKSLSKSSLYLAGTKNDIL
DNDNHPPYYFGIQVVASSEEQFQTPGQLIGFCTFYIAYSTWDGRMLYVDQMDSEADGSL
LYHTLAKVATRIGAGRF CWKVRIDFDMNLFRLRTERLGLSFVHDPVSPVLVQQGERPLW
EDAGASPEFLEDWVFLSMNRCAMANFVVGSTPIESPSTVPPNGGESKRIKPLHRVYVEETI
RETLHQQTTPSNIKLRLAGPEDSDTIARLVKLLAIYEKEPDAVNMGAKDYLVDGYDSSAE
PLFYCILADITSPDEASNGGREIAPSTATTAAMGLFYFGYSMVDGRFLYLEDLFCDEKFR
GKSVGTTIMKQLALVSTVLDCCQFVWTALDWNAPALSFYDKIGATVNDDLKITRYCGEDL
QAF AISRP

>comp8862_c0_seq1; 227 170 919 LEN=1149; translated
MELGFHALFCCLPHATSASGVVDEPNEYTQSQRPRARGRDRGRSRTPKTNINALFGFSS
RATLDPSESTLEEDEILEIPTDITLTKNKRRLHKKRRRHRSPRNTGSIKRDTKVYG
SHSKAEKGTREHNKHGKKRWQKGRRGREEDSGLEGMENPNEENHPVYDITIKRERTND
NSSVSTTSITSTIDTQEERIEVTIESSELFRGGKHEKLRPPSVLVKSIIFSQKVNIGRT
HMKNKLRN

>comp8863_c0_seq1; 484 325 1959 LEN=1959; translated
MKQRRRETVSICRFLANIVFVSALLCIIGVSNVAVASLPRRNLAKSIGILNTVAIRVIDGN
GIAPNASVSELESSIFGINKVCLKSQIEACSYGKLRIQPFSGDTEETNVTITNGVVEVQID
YEIVEESTLVALKEAATAAFAQLGDLRSSDKFDLIMYCLPPGIVDWTQGVNPKSSFY
NNEYCSYVSAQLNQIGTNLNLAPSHAIKDGLTKAFGDKTGFMTIFDKDDQSMCYNPAKS
FQLGWYNDRVDTINPVSDNFGSIRSIIILNGVADYDAKNDTLGNESSLVLRLEQTELEKDF
YIGYNRKHGINKNTTQDWMITIVRKEGGPTEYGNSTKIASLFPGRSYTIGQFNDDRDV
EIRFVGTNRNGMRDAVVEIVDVENFNDEEQPEPCANYTIELKTDQYPEDTGWFIKKEED
GIHETAIVGQTDREKMTTSTTSTCLPYSSNYKFVILDSRGDGLQAGTYRAIDDNGIIVF
SYDGEFFERRVEYFEVPERDLVPVFPPTTSPSSFPSSYPSGVPSSLDNSSAAPTPE

SPSGV

>comp8864_c0_seq1; 322 520 2532 LEN=3060; translated
MTSRKGP RRK GSSSSNKT D N I S L S S R S D S S S H K S E V A A S L S K I L L D N S E E D D D F L S G A R F
P K K A P Q R K T T S K S K F P K V K T A I E G D E A S V K S A L P R Q S S R S P K S R R N K S A P S V A G E T P K R R
V S R N P R T A P G I A L P V H D E H D G T Y G E C T L N D E E K E P S A S P L A L S A Q N I K G S A K K L F D K A V R
A A S P T S L R R A R S K S A G R Q S N N A N R D S E I A C P K R Q P S P G R L K K H T G E L D T S R G D R S T S S K S
R S Q S P G R L K K R A E S P G S L R R R A A S P G R F R K W T E G P G A L K K P T E S S E S Q K K R A E S P G K L K K
Q A E S T G N T K N R T V S P G R L K K R A Q S P G R L R K R S Q S P G R L R K R A E S P G R L N R N A R R M A R K E Q
S E N S S N C E S G D G K L G A M L D R D A K E K S R K R E T R S I A S G S S R S S S A G P L R K P R S S R S S R S G
K S K T T E E P G D K I P S K P R Q S H R A P S I S E E D D A P P K A Q P S Y S N M K D E L Q K H K V K R N R S M D P T
M A L A L Q K Q M I L K S E E E K E Q S E R T R A P V R R A A S M I L T R E M G R R G N Q E S S I D L I Q Y K E E E I H
S T S Y F A S N H V L I N R E R M K R G L R P L T R N V A M D Q L A R K N A E A M A K S K K C K C L E T T Y V G N V I R
G E S I R S I H Q S V M L Q K Q G R E R A N I L N P Y F Q D F G V G T S K S E D G E L Y M C Q L F S E R L E L P L T D T
L E D K T E Q T A P

>comp8866_c0_seq1; 628 1 1708 LEN=2138; translated
X T P L L L L V A T N T I N T R H W L S L G G F L T S S F V S E I L P P T K T T T Q I R G L H S Q R N S A M K R R L A A
A A A T A R T K N S T H H S G C H P T R R F E L P Q S R W F H G S S W Y D A A N G P L V S C A S K R A A P P P R I E A P
K N R Y R D R R F V T A K A T D A S A S Q P R R Q K R K K K A L V S S P S T K R I T T K D R L R L S A R P S V G T S S K
H E T T I D S F I D A I D A N R I V V K S P E E L V D R L N S G L D I A R A A V Q E T Y T S L R N P A A A S A G G S D S
S S S S G R S F H R N G M V M D A N W W F W N L V L A S S P A V L I A L Y C E L V L K P R M R E A N E E R K N G A T V V
T L G G G E G G I A T G D E Q G D T R K M S S M R Q R Q E E Q M R G L L Q E Q D G S K E S S S P T P I G S A N N N R S T
L D E T V S L A S L Y K S V R S L V S L F T A P Q L T S T P S P E H A H D H G G G K G V G V Q S S T N D E L K I S P P T
Q R H V V D R E Q Q Q T D N R K P Q L E K Q Q R E I I E L Q S R V S L L K K Q I E Q Q Q H R E Q T L R A T E D H A P A
D P N D N D K R V K S R D D P I P V P A K T K I P D G N F L V S L T K T T V A A T T A G L A A G R N L W G S L Q S W R Q
G R E R A S H D P M Q R T V D A N K E E E K A P T A S A D

>comp8871_c0_seq1; 367 85 894 LEN=1141; translated
M Y T A T L E R I G D A I I N W F D P E E Q F T G F T K G W W L T D F P S A F S I A L A Y V L F V G I G S R V M Q N Q P
A I D P Y P I K F F Y N V S Q I M L C A Y M T I E A V F L A Y R N G Y T V T P C V A Y D K E N P P V A N L L W L F Y I S
K V W D F W D T I F I V L G K K W R Q L S F L H V Y H H T T I F L F Y W L N A N I F Y D G D I Y L T I V L N G F I H T V
M Y T Y Y F I C M H T K D P Q T G K S L P I W K S Y L T L M Q L I Q F V T M M S Q G S Y L V I T R C D T L N F R V T A
S Y V V Y I L S L F F L F A H F F V Q S Y M K P K K K K A

>comp8872_c0_seq1; 711 85 2628 LEN=3335; translated
M S S P P V L L S E P T K P S Y R N E G R R D P A I R H S G R A H I R G K I R R V W R P R Y L E L C D S G F I R Y Y E L
P P L A D V T M P E A A D W Q H V N M V I K D T L I I H H A R I I D V T T L R D L H V G L P R G S Y G F L F R G Q R I G
N N L N N P I N C D F E G D R N A F V D M Q H D A T G N S C S A Y P G G G E V N P P R E Y F C A V S T L E E A Q S W V I
A L Q W S V R T C Q K T L Q R L D S L N D N H N E K N N D G D N D H A G T N P K E F G S T K R D G G H D S G G N V H H L
S P E R A N H T R S R S G R I L V T K V C G F R I I P V A T F F R W E I G Y E V A L L L V E N S K D K V E E R I L L T
F Q Q L D G M L R Q M A T S M P N H T A F L G D L R R Q I G E I S R F Q F K D G K K G I C C N A Q S I E S S M E K L N G
I L R A L A M E A T A V N S R S M R H L F G L D M D Q P D T V R V R W W S Q V A T S N K N I V P V L Y R Q V R S I P L A
H K V D D Y V R E W L A R P P Q Y L S S L D M A S R L Y V H S Q I W I L Q R P L F L V G L L G A I L A L A Y S L S Q S Y
Q R I M I S V T V R V D V L L L T Y G L A Y W A G Q R K G Q P S K Q R K S R S H P S S Q G H T Q N S K P V S P P R K V V
D G K I I N R E D I G S I S I C A S S I V T A D E D V I T G E S S D E S V C D G E D L D Y L D E E V E I D E M A N V G K
L S S P I P K F P E N D G L S C W S E P P D P A I F H V R G R T Y L E D R I K V P S G R A P F T C R G V D L W L S D N P
Q R H I A R H P S V M G G K L K D E D T F L V N F L L P F G N F V A Y F S V P P I S E F P N K E V A D V W S R F V D G D
Q Q Y R D A R L K L L P I V M D G P W I V K A A V G N G K S P A L L G K V I P L Q Y F F R K P K G T K K G I Y E V D V I
I T A S S I A K G I L S V V K G H A K S L S I A F G L I I E A A T Q E E L P E T V L C K F Q I H A L N L D D C P R L P D
H N L D D L T

>comp8872_c0_seq3; 669 118 2460 LEN=3167; translated
M P E A A D W Q H V N M V I K D T L I I H H A R I I D V T T L R D L H V G L P R G S Y G F L F R G Q R I G N N L N N P I
N C D F E G D R N A F V D M Q H D A T G N S C S A Y P G G G E V N P P R E Y F C A V S T L E E A Q S W V I A L Q W S V R
T C Q K T L Q R L D S L N D N H N E K N N D G D N D H A G T N P K E F G S T K R D G G H D S G G N V H H L S P E R A N H
T R S R S G R I L V T K V C G F R I I P V A T F F R W E I G Y E V A L L L V E N S K D K V E E R I L L T F Q Q L D G M
L R Q M A T S M P N H T A F L G D L R R Q I G E I S R F Q F K D G K K G I C C N A Q S I E S S M E K L N G I L R A L A M
E A T A V N S R S M R H L F G L D M D Q P D T V R V R W W S Q V A T S N K N I V P V L Y R Q V R S I P L A H K V D D Y V
R E W L A R P P Q Y L S S L D M A S R L Y V H S Q I W I L Q R P L F L V G L L G A I L A L A Y S L S Q S Y Q R I M I S V
T V R V D V L L L T Y G L A Y W A G Q R K G Q P S K Q R K S R S H P S S Q G H T Q N S K P V S P P R K V V D G K I I N R
E D I G S I S I C A S S I V T A D E D V I T G E S S D E S V C D G E D L D Y L D E E V E I D E M A N V G K L S S P I P K
F P E N D G L S C W S E P P D P A I F H V R G R T Y L E D R I K V P S G R A P F T C R G V D L W L S D N P Q R H I A R H
P S V M G G K L K D E D T F L V N F L L P F G N F V A Y F S V P P I S E F P N K E V A D V W S R F V D G D Q Q Y R D A R
L K L L P I V M D G P W I V K A A V G N G K S P A L L G K V I P L Q Y F F R K P K G T K K G I Y E V D V I I T A S S I A

KGILSVVKGHAKSLSI AFGLIIEAATQEELPETVLCKFQIHALNLDDCPRLPDHNLDDLT
>comp8873_c0_seq1; 415 129 2217 LEN=3221; translated
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SNGQGKSTGEEYRTALVAAGAVDKILEFLLKSNEDFREALPHAGKDGVIQCPSIWLQII
GCVSRDGF LKNSSMQNKLQYKVVNHIQGVFLDVSDFEKRKFFGRRDSWIRSLLYFSALLR
NLITSENPHVADFL LNMPPIKHFLVRTIYMELGGIPKEAIDEIREFEAAGASQNPME TEI
IGYCQSYCAFAIKTVTEKKA AAAA INRAKRDEKNGVGRDHKDKVDVYALLGEFAITPVVPG
GGLVLTGLVKLLENSTSDGWYRGGYTSAMILFLKLYDWGGRLSGKFGAECVSSNLV SIC
RNYLLSHASKRTIQPNHFFENVTTGLVVLTA SIVTPLDKKGRQAPIDFNVSNAINSGLL
EYCCMCDACTDSRFVGPLTKFLKIVFAMAKFPLTKTSIQLKADEIRAKIERVKDRPPFL
FACLP EIEKIVEAAVADEETTEEAKGFQ NANSAAKNADDCLLLRKY PAKPSSEVILREG
KELFAEQLNKIMLQASLKGFSIVYCYVVIDMAEATPIFR TLTEEQFFQSYKILEDDVVEN
AKETFERNKEDGALT VSLIGFSTEGLYVSVLTFPPDAAPTHGPF GPAVLQAFETDKWTTV
QRNIAGRSFRTPGDFKKLQGNRELWTASIMKSMKP

>comp8873_c0_seq2; 474 129 2312 LEN=3316; translated
MASYTSDKSFLDYLRRTTWGKQDPNEVVEEIAQGKYFPTQAFVLVTAEHL SFQSQSQSQFPQ
SNGQGKSTGEEYRTALVAAGAVDKILEFLLKSNEDFREALPHAGKDGVIQCPSIWLQII
GCVSRDGF LKNSSMQNKLQYKVVNHIQGVFLDVSDFEKRKFFGRRDSWIRSLLYFSALLR
NLITSENPHVADFL LNMPPIKHFLVRTIYMELGGIPKEAIDEIREFEAAGASQNPME TEI
IGYCQSYCAFAIKTVTEKKA AAAA INRAKRDEKNGVGRDHKDKVDVYALLGEFAITPVVPG
GGLVLTGLVKLLENSTSDGWYRGGYTSAMILFLKLYDWGGRLSGKFGAECVSSNLV SIC
RNYLLSHASKRTIQPNHFFENVTTGLVVLTA SIVTPLDKKGRQAPIDFNVSNAINSGLL
EYCCMCDACTDSRFVGPLTKFLKIVFAMAKFPLTKTSIQLKADEIRAKIERVKDRPPFL
FACLP EIEKIVEAAVADEETTEEAKRVKCEFCGEKCGEDKKT KKKCPFKSVVYCSSDC
LRLNYMLHQDDCLLLRKY PAKPSSEVILREGKELFAEQLNKIMLQASLKGFSIVYCYV V
IDMAEATPIFR TLTEEQFFQSYKILEDDVVENAKETFERNKEDGALT VSLIGFSTEGLYV
SVLTFPPDAAPTHGPF GPAVLQAFETDKWTTVQRNIAGRSFRTPGDFKKLQGNRELWTAS
IMKSMKP

>comp8874_c0_seq1; 459 229 1785 LEN=2024; translated
MALNSKISSSVKSWDDTALKDLAHSYRHRVFLLRDEKSAAATTTADADVNATTGKPLDGI
VILVTGSTSGIGRSLVLWAFRQGATILAMGRSGTKLEVL RKELGDIQEEQNHEQRLESRF
FPIVAEMSDLNSVSTAVDVIRSDLSRAGLRTIDIVVCNAGLWLASTDSITPRSTEQGYET
TFGVNYLSHVLLTEKLMRTRMADGGSD EGDGSNSSHNEYLLSPLTSRVVQVSSSFHLGVDG
TYLAVSAKQESNVHKTA ADEQPNIYSSPIASHAPNLGRTGFIGFILNSIEFV FQGQRQYA
NSKLAQILHARESNREFLINLG HEDRAKIQSYSRVYVPFVSACPGWVGTHILRSTVQRES
WMEKMFHALTHD VDG YGLSSILKSMFLPLLD FDFVEENMKSKDGAVQLKNDFFPNHGGFLF
WTAHVADSI LATTDTLFAAFFGETFMRHVLTYSRDVVASV GCCVVLVLQRFFKVSASINE
NPADKWSNFPYKSYSV TYDRELQHGLHQWSLDAINDFL

>comp8875_c0_seq1; 354 79 915 LEN=1174; translated
MILSLFPIFLLLTIGVLISGF EFDRDASPELCEYETTKDPGICTVNSTMWFSCPI SCANV
LCGNRGTMAEERNEPEQFYELRAKRASVAGSSGDISLEENEGYIT IYATIPMLPGMAQYY
YNAIEHISHVYRYTLVAMILPCYSPTQE QDEKGASIASTSGSAILRTILDSQND EKVKKR
GGMAKSIVLEGYDAQKSENAV LKYL LTRKVVAGSLAPGGDVASDNDDDEMLLMTRPNI
FLVSH TGMFLERLVSPTMKMIERRIKVHEIQMQKDFDL

>comp8876_c0_seq1; 312 1 898 LEN=1195; translated
XNRGQKNIIFSIEVRHKT IKPNKMKT TTTFAATAAGLVCGKILHVSSFAPSLTTFESP NRH
ATSKDSVFFTPLSMSPSTDGTA EKISFIDTEL RGAAMK LHTRAQAPKEGQAE EKKPREP
YETTLDDYLAF LVD SQHVYKAI ESVNEREELAVFRNSPLDRVVALD TIDIFMVKEYSLE
KPSVKGAGQDYADVIRALGKADSIPEFLCHYNYFFAHTAGGRMIGKQMSALLLNKKTLE
FYKWDGKLP EIKDRVKEEIEDMAALWSPEERKRCTDQTMAAFRGGGAMNAYLSGGQSPH

>comp8877_c0_seq1; 391 1 1506 LEN=1740; translated
XIVVSSASCRNDLHCRRGMLSGRGXFAYLSPWEHSRKS KILGGKLI SDQMLNIVGKRWIL
RSRCISPLATWYQSEGSTASRLFSSTCRKNGSGMFGGFARSNLGLEHGLVRPVLASIRQL
PEVDAAVSDQSPSTLTIDGLKRASEVFASFDKGGREHLAVQALLAECQQLGLYDDAIGS
IEELQHSLHGSESETAHNFKEDTILALAKVYWMRGDFEKSQALCEAIISTYDDLTETFPS
TKLHMASAMTGKALSQLAAMKTMDDAYSVRDFFGVAIKFLERHPPSENTLPQAVALS NAG
VAEVIYNLYLQD TNDVSPMTPALKYLFQGLQKTKVNQSTSSKKIVAASHALEASIQANL
AWGVINYEEDRS DRVKKASEYAKKALAFYDAEGIVGKEGLSWILSVVASCYHQAGNAVTA
EGLLQSAISKKDMPIDTLSRLQLRDAYREYSKLCMEWDKREKDAENHIKDADDV ESSLPS
NWQGKSSGIHGSLWFWTPGDFL

>comp8878_c0_seq1; 303 73 444 LEN=761; translated
MSKFLTLLVAVIAIAQAAAFMGPVITSRQCPAQRSGAASMEMRARECDLLGKKANRKAR
VVTFSHKRIHKVQEVNLQTKRFFSEELDRKVKLRLSTKGIKTVNKLGGIDAAAKKFKVDL
KKF

>comp8879_c0_seq1; 659 269 2581 LEN=3177; translated
MADPTDYAIVANENYVSPYEPQAFNLVGSALENIVTDRDRGSGDAAPNSILAFVAGDR
AEQVEYIEGFVIGIFLSCMVSIFLVLVLLKLFQGRDRVGCAGFAFHADSDTQSAKEE
RKTRGGASGTLFRGDGDASVGAAGVADDSIAMDEPEVRKKKASEIEKQERKSSSGIFAS
VFGRSRDASGNEPRSESSPQHKGVVATFKGGRNGRNWSVLRDDTTDYPNPPDSNGNNDN
NDNNDNNGYNDNDENYVPELEEIEELHMELEDDIVHSATRASEKKEQKRRNKGKPSLRS
LPPKTVVLENSNEDDLSIETKLAERENKACGQTPCCSFDKDVARRRVATRWFVAVFA
LISLICILLITHMYVPLESAALTSKEVVRETSEIVDELNEVLEIVDEAATVTESSLKNT
PLEYESLCPGFVAVGNFASQFGFNPKTVIDTVVQYIYINYPITIRGLLDTAKETGASVTDVL
MDVNSGVNNTNEYLWIIPLIICVTILIFSQLALMAAVVSREQRFKDLQPDAPRGIEDCY
GWTVLPQLVVLVLSWLLVILCCFGIVITTDSCIPSLGAMESANANIAIDSNTNGRGTPE
DTIMAIIDQYMEIEERQNDPTFSLIDDLAYQRLSSYITGCRENPLQELIVVQRLQDSL
YVTTQSSFASNVLGLGFIEHQCPDNQVKLFFENLGVNLGQLSSVNKAMLQAYDAVACPR
VNALYVEAVHGALCTDFATASTNGLLLLAVISFSGMVLITLRASWRTSVF

>comp8879_c0_seq2; 615 586 2877 LEN=3473; translated
MRKNTALAPNCNCTQPQAFNLVGSALENIVTDRDRGSGDAAPNSILAFVAGDRAEQVEYI
EGFVIGIFLSCMVSIFLVLVLLKLFQGRDRVGCAGFAFHADSDTQSAKEERKTRGGA
SGTLFRGDGDASVGAAGVADDSIAMDEPEVRKKKASEIEKQERKSSSGIFASVFGRSRD
ASGNEPRSESSPQHKGVVATFKGGRNGRNWSVLRDDTTDYPNPPDSNGNNDNNDNNDN
GYNNDENYVPELEEIEELHMELEDDIVHSATRASEKKEQKRRNKGKPSLRS
LENSNEDDLSIETKLAERENKACGQTPCCSFDKDVARRRVATRWFVAVFALISLIC
ILLITHMYVPLESAALTSKEVVRETSEIVDELNEVLEIVDEAATVTESSLKNTPLEYESL
CPGFVAVGNFASQFGFNPKTVIDTVVQYIYINYPITIRGLLDTAKETGASVTDVLM
DVNSGVNNTNEYLWIIPLIICVTILIFSQLALMAAVVSREQRFKDLQPDAPRGIEDCY
GWTVLPQLVVLVLSWLLVILCCFGIVITTDSCIPSLGAMESANANIAIDSNTNGRGTPE
DTIMAIIDQYMEIEERQNDPTFSLIDDLAYQRLSSYITGCRENPLQELIVVQRLQDSL
NYVTTQSSFASNVLGLGFIEHQCPDNQVKLFFENLGVNLGQLSSVNKAMLQAYDAVACPR
VNALYVEAVHGALCTDFATASTNGLLLLAVISFSGMVLITLRASWRTSVF

>comp8880_c0_seq1; 368 77 1075 LEN=1108; translated
MKGAFWNGKRTGLALVLAGVLSVSCSSASPATAAMFGVSPKEISNHALFDIRGGAKKK
KSRTGSLSKTVTGKKKVGAKKATEKKSESVNNALGDWYKGI PRFTKVYVNMIFLCTFVGL
ILGEERSQAILALDPMRLMYGLELWRPFTAASFLGKPSISWLMMSGYYLYEYGASLEKAYG
PAEYIVFLLTQISLLTVFSAMLGIPFFTQSVITGMLHVLSRAMPHQVKVWLVIITVPYWTL
PYGLMVSVDLQSQSISAAVPHILGILVGHFYQFNRFVWPKTGGEDWLRAPDFLVDKLDP
DAAVKNAAKESINKALSKRKRKGGKGLGSASA

>comp8881_c0_seq1; 480 162 1328 LEN=1461; translated
MKAMQLLFTPAVASAYTLHHQPRNPSFAVGRDAQRRSRSASSSSQSLYRSDVDTTTLD
ITTAMGSIKRLPLMQPPSPKTPKPKRSISVREAEAEHGMPPWKSSIDTEVKDDEL
LYM PFWEWQMDFMEEENLTDLKVVECKNDKDTDFSYNANEKKKARIVNVCFS
SKEYRKRIRMTYY DAGDNTQVYNAVWYPNPEYNLPVLGIDLLAFNRKKYLAIVDFQP
IHDNEEDHASRYEHL KPIKDKYDSLKGRMSSKFYDETKHFSQQMLFARFDDEQV
VSRDLFPAPFKSYVETHLDLIR STEAQPEEVETVLAKTKAYDTSADRDPATGLFA
AMYGKEWAEDFVHDFLFSMSDRPAEG AAPPANPFMGGPPRGPPQNGQKQVQRP

>comp8882_c0_seq1; 293 226 1791 LEN=2613; translated
MDLSETEKVEGESPRTRAPVPVDGESLNVGPSSGFHWSSSKVSHASSHASLHVSPHKD
SH VGLHFYESTCSTSDSESGDNLGGESDSPGNRFHEIPSTLEFTREKEEDDHTC
MSYISPSS LRTEIEMEGGDLPLPFFAREDDGYERKDEVEREIECKIEHEVQREVQ
HKDEHEYEDVVL HEHEHEHLSQRQRETEREQDDQRSIKQDHPVSVRDYCAS
SPGITRPVDSKPMGTDRL FGFRRRNFVLLDAGIPNASPEEFPSRSRVLSVPSSV
PRSRSLRSGPLQRFRCFRGRTSLRF ALVFGTMLFIFLSIHDNMRSSRRYYRELD
QLLSSDTVGSNRRDEIAFPFVQLRVREPAGG ISHTNEHGSNTNQSSGDGRSRLPK
FVVSERVEPSLRNKANANANARNAVGGGAHNNLAMA RGKEHSRPLFVPGVPFPT
GGVHKPLERFVFDERSKPLSHHPQDQHRGLRFLLSLPPRAIW MISLVLVALVLD
KRWREGRVRRTRGLPLSRTEERRERKNSC

>comp8882_c0_seq2; 293 226 1791 LEN=3443; translated
MDLSETEKVEGESPRTRAPVPVDGESLNVGPSSGFHWSSSKVSHASSHASLHVSPHKD
SH VGLHFYESTCSTSDSESGDNLGGESDSPGNRFHEIPSTLEFTREKEEDDHTC
MSYISPSS

LRTEIEMEGGDLPLPFFAREDDGYERKDEVEREIECKIEHEVQREVQHKDEHEYEDVVL
HEHEHEHLSQRQRETEREQDDQRSIKQDHPPVSVRDY CASSPGITRPVDSKPMGTDRL
FGFRRRFNVLLDAGIPNASPEEFPSRSRVLSVPSSVPRSRSLRSGPLQRFRCFRGRTSLRF
ALVFGTMLFIFLSIHDNMRSSRRYYRELDQLLSSDTVGSNRRDEIAFPFVQLRVREPAGG
ISHTNEHGSDTNQSSGDGRSRLPKFVVSRVEPSLRNKANANANARNNAVGGGAHNNLAMA
RGKEHSRPLFVPGVFPPTGGVHKPLERFVFEDESRLKPLSHHPQDQHRGLRFLLSLPPRAIW
MISLVLVALVLDKRWREGRVRRTRGLPLSRTEERRERKNSC

>comp8883_c0_seq1; 569 38 911 LEN=911; translated
MALNSTAFLRVASRRCARSVSARTTASTQRSFWSTTPTAISKEEVQGLFYKWNDALATLD
SDKVARRYGDNALLLPTVSDPRNDYASIKDYFDNFLQKKPQGEILES FVQIGDCGKWAQ
DNGIYEFTMGASGDKVKGRYTFVYTKADGDDEWKISHHHSSQMPEEIMPCKQAGAEYVNA
SETRALFDLWNDALATLDPKKVAARYSKDAILLPTVSDTPRTTPEAIEDYFVHFLKSKPQ
GVIEEGVTISDEPNWAKDAGVYEFTMGATGDKVKGRYSFVYVFEDGEWKIAX

>comp8883_c0_seq2; 601 40 906 LEN=906; translated
MKFTNSALFAIAVAATSQVSAFAPATPVVSRMSSADVAAPTSATELNMGLRSFFSRKSK
IAKSTAGADITKDEVRALFSLWNNALATGDSRLVASRYATKSGAVLLPTVSDVPRDFAS
IKDYFDAFLLKEPQGEILSGDIRIGENWAQDAGIYEFTMGATGDKVKARYSYVYVYENGQ
WKISHHHSSVMPEGIDIATPIKKEEVQNLFHLWNDALATGDSSLVASRYAKNGVLLPTVS
DIPRDNAAKITDYFDSFLLKQPQGEILES FVTIGTNWCQDVGIYEFTLG

>comp8885_c0_seq1; 554 63 947 LEN=1178; translated
MKFSSILLLALSSIAPTTAFLPVPQAHPNVQRVPTASSPSSVLEMGSKAASKWESKQKW
LEGRGLSADA AVGDDSSAGSPVNI I IAGAPASGKGTQCEI I KEEFSVVHLSTGDMLRAAV
AAGTDVGVKAKKEYMDGGKLVPEVI IGI I RDRLEEDDCKTQGWLLDGFPRTAAQAEALAE
AGCTADCFLFLDVPDEILVERVVGRRTDPETGKIYHMTFSPPPADDEELIARLEHRSDDT
EEKVVVRLEQFHTNVA AVKGSYEDIMV SIDGNRAPADVSKDITESINAALAKRA

>comp8885_c0_seq2; 350 63 844 LEN=1075; translated
MKFSSILLLALSSIAPTTAFLPVPQAHPNVQRVPTASSPSSVLEMGSKAASKWESKQKW
LEGRGLSADA AVGDDSSAGSPVNI I IAGAPASGKGTQCEI I KEEFSVVHLSTGDMLRAAV
EDDCKTQGWLLDGFPRTAAQAEALAEAGCTADCFLFLDVPDEILVERVVGRRTDPETGKI
YHMTFSPPPADDEELIARLEHRSDDTTEEKVVVRLEQFHTNVA AVKGSYEDIMV SIDGNRA
PADVSKDITESINAALAKRA

>comp8886_c0_seq1; 273 446 1306 LEN=1401; translated
MSSIDNSRSGGNNQALCFQNPVLMVQDLPSKEIVTDWHQNVVYVYLKKRQARAIVFEA
LDKIENNSRIKRDGEDDSNWTVNDTSPQGHKVFHILNQGVWNPMLLSENENGGKETYLDL
LDLIHNIPGLLNCLFGNVFVSKIYPGTDIEPHCGPTNIRHRLQFLLKLPKSSPVTHSS
VVEPKNDVLDGETEPALSLSVGRIEKITWNADNDAFVFDSDFIHSVTYRNDSSAKEKLE
TENFSHEDDFARVVLIVDLWHPNLQSEKMIHQHSYPPFTIDTCKQ

>comp8888_c0_seq1; 254 1 950 LEN=950; translated
XVITLSCASNSRRSNNTTKQSIQQSCVLEIERPVRHISVFKMGKAKRFLAGVVVLTGGV
ASARGHMLLVKEASNSVSTALRRRHKS SVVESLQASGEKLQDKQQKQGTVWDTAAETS
SLRIGKRDPGKTEPYPSITASTYTAEVLRQRQKRKSF SFERSATTKSGNGTKS QKSSKKG
KSSKKGKSGERKEYEYDYPENAFYDSVNEANDVYENSLGGLMSMNSVDTAIPTSLPTTMP
TDLPTARPTLKGTVKDTIAPTATPTVMLTMTPTAKALAASTPTPTTAIDTTTAQPTTQMI
APSSTTLEPTPQIVSFEX

>comp8889_c0_seq1; 773 1 2827 LEN=2897; translated
RFAEENRMKSSGRRPRTLNPAAFAAAHGISSNSIDDP LDTKTNDEVRNDGGNSKTGTYS
SNNSIEIVLKRARDTGKLNASNCAELKNHQNSSSLPNDFFEFPFNL SRYTEELLTVIDF
SDNEDNLGPDPELDERVLQYKSAQSMRFRNCGWKLP SALSFSLEHLTILDL SGNRLDGS
LDIGVLLCSPSKTSALVELNLSNLI RELRATWND SKNGDNDQKDG PSSSSPHDSL PKLQ
SLDVSHNPPLES LFEGDDFSCENLIR FCHHNPNLRFSSYISPSPTSASTNAMDGLPRFL
RSASTSLEVLEASHNPKLVSAAKTKPRACPIDLSSFTQLQTC SFALNKLDVVP CIPLSVK
SLDLRSNKLASISGIFPTESKSAASSSVATKSQLINLILADNYLTRL DPLLEQMTQLNR
LDLASNKLLALPYQLGFLTSLSALNVSGNPVVTKIPP SVISSSSGNPQALLELRNRAP
VGKEGRATTLAGGGRAKSIDVAASNLLTTALSSKGR TTLDLERKLAQANPTLEVL MREL
LTTSTNIAREITGVILDSNELDTLPSDLLSRCLPNVETISLVGNKFTELPPSLQTS CSR
TVKELRLGKNLLTSEALTEAGWFRKASVALSGSWSLNSLTHLDLSSNRLTSFPINTTSE
VLCFPALKVNLNFNNRIHNVGDWKRLPASLTTLELSENHIEDIEPLAILLAHCRGFQRL
SLEHNRVKRIPPI LGLLASYSPMSLSNLKGNPQRAVRLDVLDRPCSDILEYLANRMTVD
QRNAAIDL IQEWQRVEKLVPGTKPMEEHAAVVKDADIDDMPSALPSRSVGEPPASVACV
QQEDKLPDRTTKLNHESAGIGRAETE KKEENDTNVLKELQESVEKYKAQLENLSLTQAK

KYALKKSLAMERSXADSGGAQIGPTEVVCLEKGTLYTANLDG
>comp8890_c0_seq2; 247 88 420 LEN=1028; translated
MAGSTENAEAFSSSNDAAGNIPQLMPPDPDSDLPSIRLGETIRFEEYGPIILNTDGTTRRI
ANWDTLTDHEKEVSWRRISKRNEERRAVLLAQQQEKEAQKANEKDSKEL
>comp8891_c0_seq1; 432 59 1936 LEN=2797; translated
MKEPTKRGRRCGLSILTVATAISIAASNQPELVANALVARSRTHGQYSHACLPKTSWHCK
GKGGAGDLALRKYTGSNVASGTRQYNRAQKQPLPSALHSLNNDGDNDPNRKLKSLKESV
AYGRNLLASFSSLMALWLPFAVWGIPALVSNARSFPPNSPDQYAAVTLIVSNRIYLYA
LAMTIVGVAAVRGTISGDSKALGQRLTALTEELLVLDRLPLSLKVGTTSTEFKDFDEDEILD
QGILTLPPATPEPTPPPSFVRKMWDDSGLEESLDGVDSTQALLVPLLVSGLLAASVISL
PFWSSQDLLSSSNMDELLQQLQTYIRKMFPPFQQLWNAALLTLFTRAE LRRLGYELF
GIGMKEINGDSENGGFASVPKLGIGVECLMALAITGYGAYYLQYWPACNFVNMVAVILV
ARALRLDLSLLTVAGALALLTLYDGASVFLIPAAHAASFFVADASAASASAMGSAVAVQKLT
SAGFQPGLLVTKLDGDKLTGTGLGDAVFPSILASFLKRFDDDDQNERKEAEASASVGPDS
SAEQPSRSRLFASLVGYAAGCLACEFAPTISTGGVPALVFLLPSMGLATFLAASSTGSL
GELSIYKGENGRSRSRILLEEPPGNE
>comp8892_c0_seq1; 205 1 720 LEN=1009; translated
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VIELDGIATLCEKLDLDPESDIRILVLLWKLGSNEKPAQISKEEFMDGCHNLQQLDSIEKF
RNLLPALDTGFLDQDEFKSFYKFCFQFNROGTHRTLDKDMVVALWQMVVKDRIPDERLET
FCEFTETQKSYTRITLDQWTSFLDFCHECEDLSTYDESMSAWPVLIDEYVEYMEEKQKK
>comp8892_c0_seq2; 216 1 696 LEN=985; translated
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VIELDGIATLCEKLDLDPESDIRILVLLWKLGSNEKPAQISKEEFMDGCHNLQQLDSIEKF
RNLLPALDTGFLDQDEFKSFYKGTHTRTLDKDMVVALWQMVVKDRIPDERLETFCFTETQ
KSYTRITLDQWTSFLDFCHECEDLSTYDESMSAWPVLIDEYVEYMEEKQKK
>comp8894_c0_seq1; 256 1 366 LEN=1188; minus strand; translated
PAPSEMQTDTPQIEPPSAPAVIDDDLLFNHMEAFRAWQASNRISNDTDDDDNEDGHDS
SSTTTNNDQDDEETTTGKREGSVEGGTDDDYEVKEGSEIVAPHHIYVEFDDDDLLDGLGLG
M
>comp8895_c0_seq1; 808 612 2711 LEN=3546; minus strand; translated
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SAIPFPLSV DAGPIFTEVEDQVDGYASVESVLGVPAYILFRRVGGNDDDIKSNDTGVKNG
KDHRPRRRRPLLTRQEMEQLRLTLAQEIDVLVNLSETVLSRRRFRHFRRSILMQEHP
DSKPHSGDAPWKNPWLVTLPILDVLEQKQYRPDSSLSAEGRRRDRLRDGILPDPYPK
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ETGKTSAVRILAKEKHALSRLQDHLRVRVRSLLAGFCFSSGATTGKNDGGSHEDDNNK
QILFDDRASSSSTVIRTGKGNANGNEHEHNEHNEDNKKLAEKSTNDKSSDTNIVDGDSDDE
SSLMSLEEAMTPELICEKLFAGAGSSKPMASPLEIEIETEDSTKRSMAETRSGISQRGS
DEQRRQTQQQQEQTTKISRNTNELNNSNPDRVSAMATASVEASQRTAGAAVMMALATDP
KPATASPWREPPKSMRNEALGSSGNSSVPRNRFDTNPKKPGNDDGDFVEDPPPDAE
DYKEVKHGGKKENSESPKKKGATKGTMGIFDVVDVFTPPSPSEQQPEEPPGRGDDEVRQG
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>comp8897_c0_seq1; 377 468 1950 LEN=2214; translated
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RDSVRVVRHGIFVFTVCPSVRIEPLSHELQVLRNPAAAPFWFHSGNIAASTHSITYIVA
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RGYYSVETWLLLLLALKVRYPKRMTLLRGNHESRQITQVYGFYDECLRKYQSVNVWKHCTE
VFDYLSLSAVVEQSIFAVHAGLSPSIDTLDQIRDLESRQEI PHEGPICDLLWSDPEEVNG
WGISPRGAGYLFSGDICSEFHRRNGTDLIARAHQLVMEGYKTMFDNQLVTVWSAPNYCYR
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RGPSKARRPDYFL
>comp8897_c0_seq2; 386 468 1475 LEN=1739; translated
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YGFYDECLRKYQSVNVWKHCTE VFDYLSLSAVVEQSIFAVHAGLSPSIDTLDQIRDLESR
QEI PHEGPICDLLWSDPEEVNGWGISPRGAGYLFSGDICSEFHRRNGTDLIARAHQLVME
GYKTMFDNQLVTVWSAPNYCYRCGNVASVMEVEEHFSGRDNDSGEGGSLGTGNSITGNGD
AMVGNGITKRFNIFDAAPPDARRGPSKARRPDYFL

>comp8898_c0_seq1; 116 339 1043 LEN=1145; translated
SVALFSSVDEEENWLDYLKWGGQEPGFVLERAKEFTSEPAFLAFRLRDIPEDYSEDY
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ELKMFLLPPTNKKSISPVTPFSVTFAPDGKVIYETVTTAVDRFEGNTKGVAVFGLLETA
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>comp8900_c0_seq1; 205 1359 1964 LEN=2609; translated
MKPLAPRRFSSTSGSDAPRQEQMPRNDAIDVGENIERLGHTARSDSDSSVTNTSGVASLL
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INNKKRRMGDRRGRSHGACSGVIVDAGKTTDDDIVVGWLP TGGFKIYDQERFVREIMPS
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>comp8900_c0_seq2; 205 1716 2321 LEN=2966; translated
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INNKKRRMGDRRGRSHGACSGVIVDAGKTTDDDIVVGWLP TGGFKIYDQERFVREIMPS
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>comp8900_c0_seq3; 205 1359 1964 LEN=2418; translated
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INNKKRRMGDRRGRSHGACSGVIVDAGKTTDDDIVVGWLP TGGFKIYDQERFVREIMPS
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>comp8900_c0_seq4; 205 1716 2321 LEN=2775; translated
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PTPSKNPRLESGILTKRKAATSIDNAGMYPCSNPRGLLLLSFPLKLHLLLQRCESERIIR
INNKKRRMGDRRGRSHGACSGVIVDAGKTTDDDIVVGWLP TGGFKIYDQERFVREIMPS
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>comp8901_c0_seq1; 237 284 1024 LEN=1576; translated
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SLAVRNGSINSNKNVLVILNRNSSNYTMDFTSDFQLQKSDPFLIFKNYDGDANNKATIR
GIWFPNDSERASMNDLLTRVLNLTKEAPPPAPTAVDRNAATASLFAALNIGGSSNSDTT
AQSAPLQQRPSNNSTPHTGTQQPPTLDKKSLLQALSLIQDERFLDLLHAQYLKVHNR
TSRND
>comp8902_c0_seq1; 821 777 3153 LEN=5184; minus strand; translated
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LAKNVGMNPRECAAKIVEKILPKIEGCMEEPEIAGPGFINLRFKKDYLTAAVQAMAEDAA
GRLAQPKSSKPQKIVVDFSSPNIKEMHVGHLRSTIIGDTLSNMLEFTGHEVVRLNHVGD
WGTQFGMLVEHLRDEYPAALNIETSQDVDLGNLVELYKAAKRFVDVDFKTRAREGVVK
LQAGNEEELAANKALCAASRVEYQKIYDVLNIEGLEERGESFYNPYLNQVVENLEEQGLA
VQSEGATAVFLDGEVRQIATFFLFIIFLRTSVESRTPLVSLGQEKPTKPPISITKANVAL
SXFLLSLDHHTYEYENKDGSPMLVVRKSDGGFNATTDLAAIRHRVEMDREDGGENADR
LYVTDAGQSQHFEMVFKAAEKAGYVPESSSLEHVPFGLVQGEDGKFFATRSGDVTKLKDL
LDESVR IAGDDLRSR PENEGADDETIERVATVVGAVKYADLSMNRESNYKFSYDRMLS
LNGNTAPYMMYAYARICGIIRKSSQGETTDKIEWPEASEI IITHDAELELIRNLVRLPDV
LNEVERDLYTNRMCDFL FETSQKFSKFYENC SVNNAESPEIKASRMTICTATAGTIRLLM
SLLGINLVEKL
>comp8902_c0_seq2; 638 1144 3445 LEN=5476; minus strand; translated
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DAAAAAAKPFSSSDTMVTLATKSEFGDYQVNAAMGLAKNVGMNPRECAAKIVEKILPKIE
GCMEEPEIAGPGFINLRFKKDYLTAAVQAMAEDAAGRLA QPKSSKPQKIVVDFSSPNIK
EMHVGHLRSTIIGDTLSNMLEFTGHEVVRLNHVGDWGTQFGMLVEHLRDEYPAALNIETS
QDVDLGNLVELYKAAKRFVDVDFKTRAREGVVKLQAGNEEELAANKALCAASRVEYQK
IYDVLNIEGLEERGESFYNPYLNQVVENLEEQGLAVQSEGATAVFLDGEVRQIATFFLFI
IFLRTSVESRTPLVSLGQEKPTKPPISITKANVALSXFLLSLDHHTVYENKDGSPMLV
RKSDGGFNATTDLAAIRHRVEMDREDGGENADR VLYVTDAGQSQHFEMVFKAAEKAGYV
PESSSLEHVPFGLVQGEDGKFFATRSGDVTKLKDLDESVR IAGDDLRSR PENEGADDE
TIERVATVVGAVKYADLSMNRESNYKFSYDRMLSLNGNTAPYMMYAYARICGIIRKSSQ
GETTDKIEWPEASEI IITHDAELELIRNLVRLPDV LNEVERDLYTNRMCDFL FETSQKFS
KFYENC SVNNAESPEIKASRMTICTATAGTIRLLMSLLGINLVEKL

>comp8902_c0_seq3; 821 788 3164 LEN=5195; minus strand; translated
MAVVGNMRLSRVRGFGVARRQVTSMAPARVIGDAKMHSFYGLPGGNTAVAVVTRGSSIL
YMSTASSPSMPSVAIKSIGFVEEAVLEAMNELFDPAEVARGAALSKLNKPKKKKKKKKKK
QPEADAAPEPPAEPPEMSEEEKQAIGDAAAAAAKPFSSSDTMVTLATKSEFGDYQVNAAMG
LAKNVGMNPRECAAKIVEKILPKIEGCMEEPEIAGPGFINLRFKKDYLTAAVQAMAEDAA
GRLAQPKSSKPKQIVVDFSSPNIAKEMHVGHRLSTIIGDTLNMLEFTGHEVVRLNHVGD
WGTQFGMLVEHLRDEYPAALNIETSQDVDLGNLVELYKAAKKRFDVDEDFKTRAREGVVK
LQAGNEEELAANKALCAASRVEYQKIYDVLNIEGLEERGESFYNPYLNQVVENLEEQGLA
VQSEGATAVFLDGEVRQIATFFLFIIFLRTSVESRTPLVSLGQEKPTKPPISITKANVAL
SXFLDSLDDHTEYENKDGSPMLVRKSDGGFNATDLDAAIRHRVEMDREDGGENADRV
LYVTDAGQSQHFEMVFKAAEKAGYVPESSLEHVFPFGLVQGEDGKKFATRSQDVTVKLKD
LDESURIAGDDLRSRPNENGADETIERVATVVGAVKYADLSMNRESNYKFSYDRMLS
LNGNTAPYMMYAYARICGIIRKSSQOETTDKIEWPEASEIITHDAELELIRNLVRLPDV
LNEVERDLYTNRMCDFLTFETSQKFSKYENCVNNNAESPEIKASRMTICTATAGTIRLLM
SLLGINLVEKL

>comp8903_c0_seq1; 485 1 1361 LEN=1361; translated
LVSFVTGNVYFMAILPLIGVLGLVFNWYETKVRNTEKLLIDKIHRSEAIVDNLFPEIVR
DRIMEEGLNMTGSANPASKANVVPFACSKERMCTVEADNEGGDSQFIEHSNSKLVPLP
PLRKTSPSPQPPRRIPSIASSTFSTFLTDKSSHGDCSHFMESGNSHNHRRYSLSKQHSS
NSDGSNNSNSHCNFSGIQAGTNPISHSNLVSSPQTAAAISSPLSISSYGSKPIADYFPS
ATILFADIVGFTSWASIRDPAQVFELLETVYGRFDEIAKKGKGVFKVETIGDCYVAATGLP
NAMEDHAVVMASFARRCLESMLDFVSSPTTNLPGTDLGMRFGIHSVIGGVLRGAKS
RYQLFGDTINTASRIESSSEKNKIHLSQETADLIVAAGKRPWIIPREEKIVAKGKQELQT
YWLTTGPKNLSAKEKLLALPAILKMMAKANIDPG

>comp8903_c0_seq2; 616 236 1494 LEN=1652; translated
MAKANIDPGFIKKKKAIDPIQKRKRLVNYHTNILAGLMKKLTSMRHNSNRKSNAALLEG
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LRELVS RVANFYREDRPFHSFQHTSHSVLSMTKLFADITNTTKPKDDVTTRAQHEPFV
AKTKSMLTHPMTQFVFLVFTLVYDGGDDDDADGEQDTKEEKLTPGQKSIQRVWNLWMDP
AFRDLRLCLCKSQDLDFFRRLAKXMSAMRKRSTSSAVTDNDAETELPSNTNMSCSHYDE
EASKKTMVIVQLLEASRISHSLQHFFYVFKKWNKLLFKELYIAYKRTADAGEENKDP
WYETELELFEGRILLAKKLKESGVLNKTIDVYLNNAVANKREWQKQGSILQDYISDRG

>comp8904_c0_seq1; 539 76 2873 LEN=3410; translated
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LSNCISGCVKRAAINLQYNAMRKRAASARSIGEDSILTEDETRGNPQALVLSIMWWGTA
LGPVVGGLSDPRFLRIIFGLESESELGWYGSRPYLLPNLCGAILCWISEMCTAFFVENP
PPVPASQREDSLLSISSEERPLLPAGSVSTRATMPNLWSSFVWLNWNNRSARYHLDA
YWSFSFAISCCDEALPLFMIVPKEAGGIGLSQGVAVLSAAGLIVAIGHMALGRIMDV
ENGSKNGIYRILSISAVLGSAPNVLVPSLVNLNGVEGSTEESLLGVTSQAFVFLVALIVF
TRGAMDLYFSYIGIATGRTL RVVHKDEAAHIMTLGALFVRSLSLAAGVLSLLWKDTP
ETLSLRPFWNWITIGLVFGMVASAMTIVLARWAGDGMTRKQREYIAERLKRIGLVGTE
WDGFHESAKTVFFRWIRSTFRDRAETRKGGAPEAGGGGIDGEPGAQALGQPLPRRRMRW
SDHVVGPGVDFDSAGFFVLGTHGGDVSTPHVLTPLLHALQKHLRQHSSENFWRYSL
LRDGATLHALEAKSGLGRFSLAIETLGGDVLGCFMTKXETTTFLSVMRWNAIEYDKPFG
FCIPWSLVLLIGAPHACCDPIEIMLFQRI SFLGCAFPFLDKQLQTTAAKKTNTAMGPV
EQPVPALGGVVSLEDDAEARRGEEEGASEPLVEVFPSTGANELS QLVTEDRACGGGV
VNNKGDGFGILLDGLDQRGSTSSCATYGNPLLLCCEDNGDAAAFEVANVEVWAVTPYLFV
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>comp8904_c0_seq2; 532 76 2640 LEN=3177; translated
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LSNCISGCVKRAAINLQYNAMRKRAASARSIGEDSILTEDETRGNPQALVLSIMWWGTA
LGPVVGGLSDPRFLRIIFGLESESELGWYGSRPYLLPNLCGAILCWISEMCTAFFVENP
PPVPASQREDSLLSISSEERPLLPAGSVSTRATMPNLWSSFVWLNWNNRSARYHLDA
YWSFSFAISCCDEALPLFMIVPKEAGGIGLSQGVAVLSAAGLIVAIGHMALGRIMDV
ENGSKNGIYRILSISAVLGSAPNVLVPSLVNLNGVEGSTEESLLGVTSQAFVFLVALIVF
TRGAMDLYFSYIGIATGRTL RVVHKDEAAHIMTLGALFVRSLSLAAGVLSLLWKDTP
ETLSLRPFWNWITIGLVFGMVASAMTIVLARWAGDGMTRKQREYIAERLKRIGLVGTE
WDGFHESAKTVFFRWIRSTFRDRAETRKGGAPEAGGGGIDGEPGAQALGQPLPRRRMRW

SDHVVGPGVDFDSAGFFVLGTHGGDVSCTPHVLTPPLLHALQKHLRQHRHSESNFWLRYSL
LRDGATLHALEAKSGLGRFSILAIETLGGDVLGCFMTKPWVPSNNQYRHSGESFLWRMTR
RRLVGEKEEEGASEPLVEVFPSTGANELSQLVTEDRIACGGGVVNNKGDGFGILLDGDLO
RGSTSSCATYGNPLLLCCEDNGDAAAFEVANVEVWAVTPYLVFVADAERSEKELLFLRENS
RETPSSASQWSHFL

>comp8905_c0_seq1; 716 324 2820 LEN=3160; translated
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LAKETNAVACHVVEDDVVNSMRTAQOSTCTALDEMGEVHRWSNRLRPSVPWSSEEMPSPF
FPAYCEIADALPVVAPDNGKIIHDIRAKNAEMGGDSTLIRSEGI PSVGELLSIAESVTPS
TVLEARSQKYVDTEPFETVITEKWSTRERGAKKALKEYCQTGNDEFTDKYFVASDAANKG
SQSKKSLYAMSIARLLKSAPSANEALALREGPTRTFSSALNLGVVSARDVVDAARNRSPV
TPPVLLWDSKIKKKNIGDNNRAGLSPSDSSLWGRSSEGLSDVIEWREWFHLLAERSLAL
QEIDQPATSGGEKTGMTNENNKDKDPDPRESGTVNYWRWKGQHLVRYLTFPAGKDYDAQD
EESRDPAILLVHGFAAAEQWERLVYSLRQQRIESTGGKDTTPPVYAVDLLGFGHSEKPG
LSYTQYLWESQIIDFATEVMEAVPMVMVGNISGGGLSAGAAASLGKKICRGLVLLNTAGL
LLDPDITYDGYKSPVDSDTDIYIDFSSHTEAAINGNPEEVYNTVPLFGNKALDLFGSAIVG
LIYPQIEERLSLIYGNRIENADPAVVYAIQQSALHPGSSNVIGSGQKLAPNRPLNEVLMG
VGEEDGEKGFPTLVVVGLDDRVSSPAANKIRAETFSRLERLNPDVTVLEKIADAGHCPHD
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>comp8906_c0_seq1; 272 178 720 LEN=1068; translated
MVLVYMLFMKAETENIGEIQLRTEDEVSLRIDVRNSLSDWEKREKVVFNPNSETTEEPDDESSR
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CRGLEPYAFHPMKDEFIITSEQGYVFDEEIEFEDGEWADYDAENDCPVSISSLEFKFEAV

>comp8907_c0_seq1; 576 1 1604 LEN=2025; translated
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DYMIDCYDRMLLKYSKQFAKHIAASLEDQKQKQDKIGLASSSVGLSGVLGIAAAAASI
LTPAGPPLLIASLFFGGGATTVQTGTAEAINYFSEPRKLADRITALHGMALSILRVTSTLR
DAMLRDHIRTVDVYEAEPGSAHLRNQVMESYEKNKNAVVISNVGRSLTLGGLAGAEAGAV
GAVAAGAAGEMTVVGTAAAGASAAAGAGAAGARGATAFSRAGTAAARTVRFARFAGGALS
AAVLVMEANAIHSTLKSINDGSQCDKADRLRQVLAIDSFPSTEELDDECQAYLNAMKAR
PRPPVEVAVASDDARSNDIPEAECQEVGHELCAPGVVIVDAANPGAELEVELPAAVPVV
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>comp8908_c0_seq1; 389 86 937 LEN=1125; translated
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SKECVVNLEVPPEAQEFTIPGQYVQLRPDEETKPIFLAIASPPAEENARFEFLIKKTD
DNTWLTEGSATNLEISQVLGGGFVKEEFDLSKYDFPCQNVLLFAAGSGISPIRSAIESG
ELETGTARTARLYYGARTEDDLCFVDRFPLWEKNGVEVVPVLSQPSSEWQGRGTGYVQNAL
EEDGVPVPRNTGALMCMGMKGMTEAVTDILTAKAGTFEGRILT NF

>comp8909_c0_seq1; 127 1 729 LEN=729; translated
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KEKKRPEKINSSFWWIEQEAASVLSFGSFLQKQHSTIDSIPLIPIGQFQGARTVNDYILRVQ
EESASFRDRNTDLVPGEYEGGLKVVWECSLDMCRYFRSQNIAIKGHVLELGCGLPPIFI
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WLRX

>comp8910_c0_seq1; 362 47 1306 LEN=1566; translated
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ATTLVVAFRGSATPVNFSTNLRFGLVPLRGEDGFATPGASGSDPSFRVHEGFRDASRGLW
ELLEPELDALLRREEEETGKGVRLWFTGHSLGSATAQLCAAKHQSRLLCSSSDSDSGNER
TNPLAGVLTFFGGPRLVNRALANHWNAFLGAEGDPSSSVVVTNYVHHRDPILRQNGPLWD
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>comp8912_c0_seq1; 449 1 1156 LEN=1340; translated
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GGFHFHSSGGGGEIDPEELFDAFFGGGARRRRGPQRGSDLQMHVRLSFKEAVQGASKNLN
LRYQVMNRENGQIEIKERDVTVDTPPGIDNGMNLRLSGEGAEGDPGAPRGNLLVQVLVDE
DDYFVRDGSNVHTEAMISITQAILGGTVDVKTLDEGEVEVKIPKGCQPDAKMLRKGKI QK

LHGASKGDHVHLKIEIPKTITDRQEELLREFDEETRECGHGISGRIAKAAGSAFESIFG
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>comp8913_c0_seq1; 222 199 576 LEN=707; translated
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>comp8913_c0_seq2; 713 278 1852 LEN=1983; translated
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TEAAVLSTCNRFEIYYAASDPRAAMASVTKFLAKRSGLPVSELRKNLFLMFLSGDDAVWHIM
RVAGGLDSLIVGEGQILSQVRQCHLHSIEEDGCGKVL SRLLNNAVAAGKRVRSSETGISK
GSVSVSSAAVELTEMLSVPDLNLPFSEARLAVVGAGTMRLLVTHLASRGGLEKITIVNRS
LPRPQELAEQFPDIDIEIKLMDLWDVVGSRDIVYTATSCVDYVIDQEKMEANGLAGGRP
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>comp8914_c0_seq1; 631 93 2015 LEN=2174; translated
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IVEQTFRDTISSIGAETS DKGEALFKYNITPAARALNDFREGIFKLHETDDMEPPSLSFL
RATAKIATCKEIEMLLDIVSKCNKAIDKSAVPKILKNVETIALWMMVTKPKPKDRFGR
CLSI IEDQGNASLSYDERSSVVEGLHNF EFGKPAERKKAAILARLNEYVLFKNSQSRLE
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KEHLIDSPYPLTKDIAKSQTWDVHAVRRNHDMCIDLARKVW
>comp8916_c0_seq1; 194 245 655 LEN=2029; translated
MSPSPSNPTVCPKSTSGSSCNSAGSTGAVFGVPEKKLAKNSAAFNAAGLRGGELHEPKT
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AQQYSVSAMPTFVRSF
>comp8916_c0_seq2; 241 245 727 LEN=1831; translated
MSPSPSNPTVCPKSTSGSSCNSAGSTGAVFGVPEKKLAKNSAAFNAAGLRGGELHEPKT
LDEVKSLLLRAGSAGQLVVIDFTATWCGPCQMIAPLFKEMSSTHDDVMFLKVDVDENPDT
AQQYSVSAMPTFIFIKGLVVERLMGANPSHLESTIVQLK
>comp8916_c0_seq3; 194 552 962 LEN=2336; translated
MSPSPSNPTVCPKSTSGSSCNSAGSTGAVFGVPEKKLAKNSAAFNAAGLRGGELHEPKT
LDEVKSLLLRAGSAGQLVVIDFTATWCGPCQMIAPLFKEMSSTHDDVMFLKVDVDENPDT
AQQYSVSAMPTFVRSF
>comp8916_c0_seq4; 241 552 1034 LEN=2138; translated
MSPSPSNPTVCPKSTSGSSCNSAGSTGAVFGVPEKKLAKNSAAFNAAGLRGGELHEPKT
LDEVKSLLLRAGSAGQLVVIDFTATWCGPCQMIAPLFKEMSSTHDDVMFLKVDVDENPDT
AQQYSVSAMPTFIFIKGLVVERLMGANPSHLESTIVQLK
>comp8918_c0_seq1; 521 1 1419 LEN=2045; translated
QSHEWMAMQGNHASEKGLFRMQMAFLDASRERLCAPLEYMFGENVTIDDVGNASHLPLL
PSKYDIQRFDIIRQELAMADPREGGELSTVTMIAENVVMIGRFCARAENAVSKVGED
GCLSADGSPTEALVHDMKVTKIMYFMSECLRNAPEKVFLEPYRPAVTHQLEEASSIAVQA
LLPARKEIDRTVDLVLNPLCRALNRSVAAAIGRMHHEGVYLSGGRKSAMDVDPSPSPS
QKYLGLGLYDAFCKQFLDKLPPPYSLAVGSVAVSIFSVYTFVSTASLIRPMGEDAKMQLTQD
LADFELIWDQFMTRASDGTGGSQTLATIGNGKAYAE LRAVRQMLFWTGLDDKTRAAGLVAK
SLSREVVACDIRPSTVCHYLF AFAFDLLTSPHHWKRLRVEDYVGTLSL DGTIDEGESLD
WMTTMACCD SYKQRESAQSSLPGGSNEGAEGDPRVAAI LMNLGPELLQRRRA
>comp8919_c0_seq1; 658 253 1632 LEN=1921; translated
MSRDDGKLLATAMGAATAGAALAVMAMK MIDGSKDQSGKGGGESAYNNSGGSVLAYHQGD
KRPVRTSVIMNDPSDLHESISHGSMNMKREASDAMLFPHNHEEKMRRIATRYTIEEENN
LGRDSVTVRVPATSANVGPYDCIGIAVDLWSEVTVSRVNGDTVGF EITAE GEGAEAMP
KDESNYL VVGCKAAAFETANKPLPPLKYHVSRIPYARGLGSSAAI VAGIVAGLVLAGHR
LPCWGSEALLQIAAGIEGHPDNVAPVIYGGIQLGIHNGTRWLTERISNPPGLQCIIFIPD
FIGKTS DARGVLDNTVTR EEA FNIGRAAFLVHAFETNNLDNLRWGVQDKLHQ PQRGKGL

YKYLPMIEAAEKAGACCAYLSGAGPTVMALTSGAAGDIFAQREKERTDILVAKAMIQCA
KDHGVDGKLLVTNVVSEGCVRVTHVDPFSTGEITYRDN I
>comp8920_c0_seq1; 1140 1 4703 LEN=4806; translated
RNFNEELIYFAYLFLPHGFIWRRNLNTEIQRQDMADKSKDEGTPPKQKFNYTASSLSVA
NSNSGAGFFSLGESNIAERAKQLKIERRATMEHAKQQIEKKERRASMQHKNNVGNGENGV
HDTANESKGNKNDSEKKTVNEFDSLISNQVNEIDNVLYKSLAKGFQRFREQRRIASSSS
SVDGGGAVPSPDKPKYFATVNFIDPTTKAESSESSSSNSPKSKVKNMLQQQKGVLLKIGG
SSKSIASLTVENVYENLTYIFERDYGSVLRVSVQYKSVRTGETNFI SKLPVRPVI TRNGS
TVDSTEASTPDNPNTPWGGAALTAMTPVSDPSEWHTGPFCHVYIAACENLDHYKDKIRPA
LRAF TTQLESTASNTTANQQGHSADYMIYVVPVGDGRNISYQPKPATPTANKTNNNTGR
MGLLGMARQRFGGGSMSEHGRNDDAISKNISIDSGDDAFFINGDPNADGDGDESCPINVLS
ALQHL SKTERS LYKKIVTDFPNGKVSVLSTGSLDRSPSEGLSIMVQEWVFNRM LGTV
VVNGFQDRIRRYTNELKRLDAQRATAATAAKNYESGGAMSSKPQKPNPYAFNL SHFFLVK
ESLASSYE QMQLPGEALLQYDEFRLYMPDLTDKEESKVRHARRLSKALMEDESSQNLAEL
ADAGDFLGRKKIKSEYDLTALDVMRRYLFARELSLLFRMQDPVELLLRCQSF IKVMYS
ILVRGVSELDEKEHHERMSRAASWVQFSWDIYSATSQFLNCQPQKSSERRNTLTDNRAE
KERDEKVAAKLSEILEVSRFLIELGDDHFGNSEEF SVRPHLPKDLGQPWPWPVCEDE
AEREAQPALGLEQNPFFGTGTLERQFLLPSNDQMNSLDDFGETYLKL CRAIIDTSHIAK
HFRLSARIQSEIGEYYVRKGFHSASASFQKIVKVYRIDHWDRAHFWRIFRLAYCQRTTV
EATAYLKTLCSCFSPRSKSVAPKKALIALFDDLLRVEHPSIGNARYSRLLF IETSLSIS
TPSESSKMGKMLDQKRVEKRSCSVGEKILIPITIRSHLPGSIQLTSVKLF TLTVD DFTAI
ITNGDAVQEEDA AKVLSIDVPIELNPGENKFSFEWSPTSAGHYILSTIELVWKQGYFYD
SMDLQEPMLSVDVLP SKP THSISIEPSTLVPGQDQEIQVAFDAGTDFVNSAKL FVSGTDG
ILLIPGEDPSTSEWRQDWEIDLKPCQPERLTM TTHVRCGTGFMSQVDSMNSNHGLVAK
AETSYLHSHTKESDESNOESTKT TLESFAPVQDKTALSVEIETYWLHAKDRFLLSITVT
SNTPYLSTVKEWGLEMASPIAEATGTDL NENVLEQTVSDGDRLSFAFECTVEKGLSMEPQ
KSSKLHLKLYADTEKEYSLALPLDLDEFYSSLSQEDSSNAADIPFALELEKSHGLVGEVP
EMKFVADPGGSYDMEGVRVYSIDCGTSDWL VGKVN GI IELSRSTVLS CVGIPVVS GML
DRFPTIALERLEASHEKSTSS TLF GVDCHLPDAFRSLPMTEVNGVASXKDLKTHGLSWCN
KRAGLHV
>comp8921_c0_seq1; 130 1 642 LEN=844; translated
ATP GTPQVPATPNTQVPATPGTTAAPT KSP TKSPTQSPTRK GATARPTASPTKIPTQR P
TLPGETRDP TKRPTAAPTAAATAFPTRRPGTPTT PMP TMEVVKVDPETSTNGIVAINNDS
NNVATVPGTVPATVPGSV PATPPPPPPAPTPSIPLRVPTSSVSQPAQNRPI FVAPGAYTG
PNPDYNPLNNGGDIQAQVSYVNGYMVRRSYILI
>comp8922_c0_seq2; 100 1 225 LEN=225; translated
VTAAVTQDGLTLSYASDEMKSQNSFTAVLKYGCWALEYVSDEMKNEDLV TAAVTQDGR
TLKYAPDEMKNLKV
>comp8923_c0_seq1; 636 583 2025 LEN=2291; translated
MPTLSYPLKEFTVYPKVPKNSNNDKKEVLLMLKEDGSFQQYSSEEEGIPDKVRFFDNDRT
KENADEDNDVLD RYCEFGKLGKWNLVGGRLVLAADRPMDDTGQSTSSLKSRSDITDTIL
EGEVVATTEEGLVDNPVLS DHREDTQAHTSGKDSTSDKSKSSASKHGVPKERSRRRSGRS
TTVVDTHLSVPKGRVNI GRFTYPTHHP SFFDAPMFNPRAGGKFELKQVLGTLNTQQQQAE
ELEEKFS P SDFYKNTFLLSTRP IPQFQPKGNKRWSIKYNKFVEDPPP KAKKNEDEELDKP
LHNIRVLELKF FANNTFATIGMGGSAILRGRFSVIGEKRDHIWMQVMRFGFGRSVSGSV
FSEGRSLSKDDEKAYWGKIEYLNDQVGEAGEKSDT IMPDGT LGNCGTNNEDGGPKMIVKG
SVLFGYGLEPMP IGLFVLTETNSAE EYDYEDDEDDDDDDGNNDFEDNPFLLDMDNSFQ
>comp8923_c0_seq2; 597 583 2188 LEN=2454; translated
MPTLSYPLKEFTVYPKVPKNSNNDKKEVLLMLKEDGSFQQYSSEEEGIPDKVRFFDNDRT
KENADEDNDVLD RYCEFGKLGKWNLVGGRLVLAADRPMDDTGQSTSSLKSRSDITDTIL
EGEVVATTEEGLVDNPVLS DHREDTQAHTSGKDSTSDKSKSSASKHGVPKERSRRRSGRS
TTVVDTHLSVPKGRVNI GRFTYPTHHP SFFDAPMFNPRAGGKFELKQVLGTLNTQQQQAE
ELEEKFS P SDFYKNTFLLSTRP IPQFQPKGNKRWSIKYNKFVGTFAIVEESNTNSSCYVI
RLVTCRFDNLYVYNYEELLPVILLSCVIYLLPFETFEDPPP KAKKNEDEELDKPLHNIRV
LELKF FANNTFATIGMGGSAILRGRFSVIGEKRDHIWMQVMRFGFGRSVSGSVFSEGRS
LSKDDEKAYWGKIEYLNDQVGEAGEKSDT IMPDGT LGNCGTNNEDGGPKMIVKGSVLFGY
GLEPMP IGLFVLTETNSAE EYDYEDDEDDDDDDGNNDFEDNPFLLDMDNSFQ
>comp8924_c0_seq1; 459 153 1118 LEN=1630; translated
MSRQSILEATTETISNAMDAT TGDGTEAPVEKEQCPVDSFDYLNPEFLAVCLASLTVVGS
IVTFFMQRRARDRVEEKEAERKA EDELDRQQALERVRTQLSTYVGPLHRLYKTQNTILMQY

RKENEMHNNHLFRAMHHKGSFYWSQCFHPETLQAFLEDPFSPGARAYRNMVVRRLKPVYT
RIRELVLNHAGDLADMPTQGEWLRKYDRESVLSPTNSIHANVIFDITYTAWTFEFDIIE
SWTTDEDFSLVQPTTRVAWLICNDLVDLLYENAKDKEAKYNKHVKVHKNIIVHEQETSLRE
SGNLATTLPAVLSQVGIKARQ

>comp8925_c0_seq1; 1039 272 2145 LEN=2168; translated
MTIAMAIVFLVAISTTTTTDNVTPILFVAADGAGDGIPTGRELSLANKDGSPLRRKLEQPA
TEDSGNGEGGENHIVKPEDLKKVTENEETGKKVEAKENDGDEAGSGAVDQDEATETTSK
INGDDGENSDADNNDNIKPTQDNDNSPKENESKKTGNEESKSGNDPKGSKDETKGGGGDD
NEDKAATPGIAHPQNLWDYDDDEGNGGFLFFLVLVIGLVAGVKHKEKVTDAVSKLMDA
INSADGGGGAGSTAAKTTKYEPVASNEANDEEWGWGDDNENAADNDFGDDDWGDDDDDDW
DDTNNIEMTTPSFSSSGGYNNTHITQRKPSFSDSKGETXDLSQSINDRLRSPENSETD
AGLCRVRLKQRKQHQQRKRIRDELDDQQQREGWPGVLSRSSNGSEIGGGSAVSASS
TLTPPTAPRVPTPAATTTAAMNPSQEI PATIGMKMGITSLGPKKAKPTSVAKPKKKT
IGADDGDI FASMFGGPPPKKAKTTTASKAAGSSRWAMAHATPPKSAPPVVSSFGSKP
IAAKPVPPSAVASSKTASGLGPLASKPAAPKVEASIPDGFGDDDLDDLGLDDDDIAGD
AGLGAGDGDWDDGDLDDLLFD

>comp8927_c0_seq1; 142 616 1742 LEN=1970; translated
MRDPLGHGAALKGRVGRHHFYTGHPRTVTVMPSVVPKGRTRKRLKSIQETWGASARAI
YVVDHIEEFPVASHAVISESRTPEDPYSYPQLMLVPDGI GAEDGVPRLIHTVQTVFEKVN
PDFAFFVNDHTYVIPEHLKNYLEHKKPTEDMYHGHALHDGNNAFNNSGAAGYILSRETMRR
LVDQWNHGKCTGRDASKWIQGNPGLLTAQCLKEDLGITAFDTRQDKKYHRFHAFPLTRAV
SGKVDGWYINKHKMDKDNFMGFPASYNTLLSGKDCCAQD TVSFHYVEFMESTALFATREA
LLENPHMTDHEVKSMMMAEWPRGKEVGFYSRELPSNDKEGWXTIAQGSKEDILEINPKR
MLTSLVSAVLLLLPAL

>comp8927_c0_seq2; 185 228 1079 LEN=1925; translated
MSTGLHVRKKPSNLEEDADPEVPSSPSNGDNGSENKIHGQTSFFRRFVRSEVGC AIEAI
AGFLIFGLLFGYLILHHQHRKVVLHIMRDPLGHGAALKGRVGRHHFYTGHPRTVTVMPS
SVVNPKGRTRKRLKSIQETWGASARAIYVVDHIEEFPVASHAVISESRTPEDPYSYPQLML
VPDGI GAEDGVPRLIHTVQTVFEKVNPDFAFFVNDHTYVIPEHLKNYLEHKKPTEDMYHG
HALHDGNNAFNNSGAAGYILSRETMRR LVDQWNHGKCTGRDASKW

>comp8927_c0_seq4; 245 228 1612 LEN=1840; translated
MSTGLHVRKKPSNLEEDADPEVPSSPSNGDNGSENKIHGQTSFFRRFVRSEVGC AIEAI
AGFLIFGLLFGYLILHHQHRKVVLHIMRDPLGHGAALKGRVGRHHFYTGHPRTVTVMPS
SVVNPKGRTRKRLKSIQETWGASARAIYVVDHIEEFPVASHAVISESRTPEDPYSYPQLML
VPDGI GAEDGVPRLIHTVQTVFEKVNPDFAFFVNDHTYVIPEHLKNYLEHKKPTEDMYHG
HALHDGNNAFNNSGAAGYILSRETMRR LVDQWNHGKCTGRDASKWIQGNPGLLTAQCLKED
LGITAFDTRQDKKYHRFHAFPLTRAVSGKVDGWYINKHKMDKDNFMGFPASYNTLLSGKD
CCAQD TVSFHYVEFMESTALFATRE ALLENPHMTDHEVKSMMMAEWPRGKEVGFYSRELPS
SENDKEGWXTIAQGSKEDILEINPKRMLTSLVSAVLLLLPAL

>comp8928_c0_seq4; 133 214 552 LEN=890; translated
MDRTEQSPPRAGNEEGQEGSLTDCLLSQYRLCAAGIGLGTAYS LKFKKGLVPMIAAGAVG
TTADMVYGYLVECAHLTKSAENNDNPTTKIGTGTNFKDASPTKEINGNESGQ

>comp8930_c0_seq1; 311 596 2419 LEN=2445; translated
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GTVAGLIGTILALWPSAFALLTNPGRKHDQSLYEGCEWFE GNDYDRWLILPYWMMKSWA
MVFQQIGMVLSGFFFGAKAIAAGEKSSVTLNDXLFLNSLLGCCNHNVN SHVMLMFQILSLS
THKPCR YRVDITVFSQDTSI IWF SNVGTWSNPLTLVGIADISGDIVLPVLAISFLASPLA
SSIRERTGLSLSGSKVIDNLRWQPTNGFAPVVS KKVSDNGEFFSRESTSLIGNRKSEEN
SAFERSITTNNEAPNGTNTM KLFVEGFKVMFMDVAIQGCTSF TYYVALRQDSEVAYQIT
ALQSALPQYGYGAVGISI IFKLTGSQLLAKGNKLFVVF AKICIVSVLAMIPAIVAEVL
EARHTIALEYGSNACS YAQNSNCV PFEAIFGPNANGGGFTLQYTF TALAFGAVTDSVSL
VLSVLLALLDFDLVNSTICAVGVYI PSMYAATCLDTIYKGQAI SYYVAMNMPQLVLIL
VLLVRLKYNFRKVL DGEEGPWTE TSP EERSNDEPSSEQISSFSYKEEMGPLINSKRRS
SLVTVYA

>comp8930_c0_seq2; 353 596 2287 LEN=2313; translated
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MVFQQIGMVLSGFFFGAKAIAADIGWILLFSLTTLTYIWF SNVGTWSNPLTLVGIADISGD
IVLPVLAISFLASPLASSIRERTGLSLSGSKVIDNLRWQPTNGFAPVVS KKVSDNGEFF
SRESTSLIGNRKSEENSAFERSITTNNEAPNGTNTM KLFVEGFKVMFMDVAIQGCTSF T

YYVALRQDSEVAYQITALQSALPQYGYGYAVGISIIIFKLTGSQLLAKGKNKLFVVFACIC
IVSVLAMIPAIVAEVLARHTIALEYGSNACSYAQNSNCVPPFEAIFGNANGGGFTLQY
TFTALAFGAVTDSVSLVLRVLLALDFDFLVNSTICAVGVYIPSMYAATCLDTIYKQQA
ISYYVAMNMPQLVLLILVLLVRLKYNFRKVLVDGEEGPWTETTSPEERSNDEPSSEQISSFS
YKEEMGPLINSKRRSSLVTVYA

>comp8931_c0_seq1; 190 1 1083 LEN=1229; translated
EEFIMYIVRNSRSTMGNQLPKGHKNMFSIHTVFSILCFLGLVSDVASLSATPKVQPPSKN
PDVLRSFVFGNDDARCWELLSPEPIEDEEEDEVEYWYPIRTRYFEFSIPPSQSSETLVQ
STSTTMIRQTSFGCGKLGyelWdSSIALCLHLGRQLPLIEGKRILELGSgcGLPSVVCrd
LLQADAVLATDFWQEDGDGDFDGLVPTKFHGMNLEYNVVAARGNKRREAQVQLDWHDR
ASAVSARESFRPDVIGSDLMYYPMDIEPLLNVLETFLVEYGDRDGADGKQATETRVFLV
SALAPAEREALPEFRSKLPVRFSAHTVTMTKEMALGCEETEgedHKFLLIDIVPKQKTSS

>comp8933_c0_seq1; 342 1 879 LEN=1070; translated
SSSSSSSSSDSDSEHDGDFLDDLNKNSNNDPRFSSAVEDKLVDAQAKRQQQVGSgADDF
AMPGVTTAMYDTILDAMACATQVSLESQPPTAAASESPSYLQLEPDDLRYVAGAAWKAH
ELNNLHDTGSFFPATPTMTVYNATLRGIGNLCLAASSGSDERRRVVDQGLAYGFQVY
NQLTHNDHGLPKRNSASIIYLLNVIKACIPPSRTRGNMTVALWHQASMEGLVTPELIRTL
KDLHNETNGLEFADFLESLEDCIAQPSGSSGVVITPQRFARFTKKHRHSKFY

>comp8936_c0_seq1; 1118 33 3728 LEN=4222; translated
MALFPKLAKDNGSNNNFSEHIEKKPHEQEhgSTNTGPRMNSERNAGDFWWRVITVLVVAS
ISIVSWSKYSERASTIRPLRLVEAEGNSQWDPLLLVEEHEGDTETIGTHDYLLDSYAKRQ
SLHSPPTQSFLATHEQGSSAGFATARTNDPSGSVRKYAASHSFLLPQPGDDPEAPKATTP
KRVLNiHVVPHTHDDVgWLKTVDQLYNGWNNTIQKASVREIISVVEALTENPSRTFCYV
EIKFFSMWwAEQTEQMRETVMRLVKEtKQLTFVNGGwCMHDEGStHYTGMIQTTLGHDF
LKRTFGYVPTVGWQLDPFGHSSTQASLMTYKTGFDAIYFGRIDYQDREKRHATKnceGLW
NTYTNRDGDDEGGVFWGLTGSYTGNYQAPGGYCLDVNCGPGQKSFIDKNRKEIIAMVED
FLLAVRQQSDRTKGDHVMLTMGSDFQYQRAAVNFANLDDLIIGTVTNLQKDGTDIDIPemFG
PEYDAIHMFYSSPEYYTKCKHEEVKQARTNTHATDNEGSPPSSIVSRDHRVLRTPKKDPV
SSSASGVEWATKRDDFFPYSDCPNCFWTGYFTSRPSLKRFERATAALLGARQVISTVA
NSRTMKSQPESSCGCEDELLQLEDAVGVMQHHDVAVSGTskQHVAyDYAKILQGGINALL
PCLIRKlKHLlLGDdSEMylTDLYCQLLNETVCEPSVTATSGIAGDGNdVGSNGGDLYA
VVYNSLASNRSALIDLpVGTpGRYLVEDVAEGNAETMEALPNYFRPPERLAKSSGPFVLS
FTADSLPAVGAKVFRIRKHSDAIEKLNQEGALDGGNNAENTGDVvSTPSMADPENTDSD
GLMEISNGRFSVAVDTDtGAIrrIGtQHVENLSSWgYYISFDREKDTVRPDADENSGAYI
FRPSTPNQKLRTVSPtNATIVHTLMGTEIRTRYEESWISTKTRIRKDLpyVEIEYQVGPI
PIGDGRGKEVvTRYNTMVnNDATfYtDSNGREFIKRQRNYRPTWDLTVFEPVAGNYYPIN
TAIYIEEQEVLHNEKDSEKTAGPAFAVLTDRSQGGGSIVDGTIELMVHRRTIGGDDHKGV
GEPINETDVGITPCAPYGNATRIGeGLVIRGKHRIlVGNdGERLARSVMDDSFADPLVfV
GTNPTAEeFFFHAKSfSGITKPLpVnVMLITKRPLYKADStEYLVRlGHQYgERTDvDLS
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>comp8938_c0_seq2; 403 55 1502 LEN=1519; translated
MALPWYRVHTVVLNDPGRLIAVHLMHTALVAGWAGSMALYELAVFDPSDPVLNPMWRQGM
FVMPFMTRLGITDSWGGWSITGESVSNPGIWSFEGVALSHIILSGMCFLAAIWHWVYWDL
ELFRDPRtGEPALDLPKIFGIHLfLSGLACFGfGAFHVTGLFGPGIwVSDAYGITGKVQP
VAPSWGADGFNPFNPGGIAAHHIAAGIFGIFAGVfHLTVRPPQRlyRALRMGNIETVLSS
SIAAVFFAAfVtSGTMWYGAAATPIELFGPTRYQWDSGYFQQEIERQVETSvSEGLSESQ
AWSRIPDKLAFYDYIGNNPAKGLFRAGPMNKGDGVAEAWLGHPiFRDKEGRELTVRRMP
AFFETFPVILVDKDGIRADIPFRRAESKYSIEQVGVTVDfYGGKLNQTFKDApTVKKF
ARKAQLGEVFefDRtSLSSDGvFRSSPRGwYTFGHANFALLFFFGHXMAWWSGEVEKkEM
IK

>comp8938_c0_seq3; 478 55 1584 LEN=2438; translated
MALPWYRVHTVVLNDPGRLIAVHLMHTALVAGWAGSMALYELAVFDPSDPVLNPMWRQGM
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ELFRDPRtGEPALDLPKIFGIHLfLSGLACFGfGAFHVTGLFGPGIwVSDAYGITGKVQP
VAPSWGADGFNPFNPGGIAAHHIAAGIFGIFAGVfHLTVRPPQRlyRALRMGNIETVLSS
SIAAVFFAAfVtSGTMWYGAAATPIELFGPTRYQWDSGYFQQEIERQVETSvSEGLSESQ
AWSRIPDKLAFYDYIGNNPAKGLFRAGPMNKGDGVAEAWLGHPiFRDKEGRELTVRRMP
AFFETFPVILVDKDGIRADIPFRRAESKYSIEQVGVTVDfYGGKLNQTFKDApTVKKF
ARKAQLGEVFefDRtSLSSDGvFRSSPRGwYTFGHANFALLFFFGHLWHGgRTIFRDVFT
GIGAEVTEQVEFGAFQKLGDkSTKkQgAV

>comp8939_c0_seq1; 1305 1 3345 LEN=3345; translated
VSWYLS DGNQIENLDEISSSDYEFKFKKAQGLLTLWGIVKDPSPQQLKQIADSLIYFRNN
YKPEIFDKFEGDKRDKLKKLERAILDWRAIAAESTKMYSPGEMENIAEEIEGALEWLRAK
FKENDFPEFTSPEDVYLAEKVKILMDQWDPDPESTVTSKRKTETAKKIKNAIESWRGHG
KIFDDESFSIHS PDREILLKLRKSMLEWRRMNVSKMSEVEAEHTVKEIISAMNWWKNYGK
DYVITQSSLSMAPLMMRHKMVTDILSHWYRDQGMSRKQPQNLSLKEAKKAADLQQNI EW
WDREGKHMNVDKDIKDAKEFEKVKRLAHIWQKVTMPPKHKDQAVKEISDLFRWMRKKNKN
FDLDAVRNKKVEHIRDIFSVWGGKSRNAKVAREIEEALDWWKRNNYELDEDASSAE
KMMRLETLAQRWHDIAHPDNI PGTDTNLDWFRKQRVDEIKGTLNVYETAEEKSTGAPK FV
GVI SDEQRANEMANALDWLRSNDADLDIDDNVSVALS VATFKKIDSLMPKSDDSVGITS
MKNALDWLRSKTDVDEETVKSFKLIDDVMAKSGVKDSIEESGFGGALEWLKQRQSVKEVI
SDNESVPSYKPPDALAGKPRTEEEKRAEMANQLDWLRSNNVADDIEDDISLIGISLGSF
KNIDARSTASAGEALPSALDWLRSQEKKGASRVEEEGDGISFSGIKTKSKEQKKSEKMAN
ALDWLHQGTTKDHDKNESTSVGIDSLASLTADGAHDKTIDQALNWL RQGHAESPQNVDH
EKNASGFLQPRKEDQEKLDMNNAIKSLRSNGVDFEEDSPDLTDHVNSFSSIDADR TSGG
NFKDGSTSLIDLLQKKDPHNVD EPLSKKFGDFRKTKEENQADNMAKALGWL RNNEGISDD
DKSEFGTDEFELGNIAVKSDAERV RERQDALDWLSKSGGSVDDDDVDDDSK KFRKLAKLI
PNIEGKSMEAKATEMEDALHWLRSKGVLDLDDTTKIESFDKLG VVPLGLRSMYEKERDLK
NALRWIRKSKDKKQADNAF SKLDKFPETGGQSDKDRATDLVNAVAWL RGNVRFDYDNEG
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>comp8940_c0_seq1; 671 122 2150 LEN=2349; translated
MGASSADQNRKSQKQODIAYLGDRMPFGDAELLQVYCVYQNLKERLKF SNSTEAE SNDG
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RKILPAGFGNTLYRTCF LGPHDSSSYDGHAIKTL YQGDGEEDEYVRMARLEQFFGGLANG
TRRDRKTVTRCLIRCCAQQPPPVGAEETVDGNNAIVNDFAYGGANARNFSNGQNER TYIK
PMELVDLGYRICIAA AFLKEATGGNSKDEDDQDLGRFLPPTDPRELK PGLLALSNSLASL
ATKRKQRRLRSTVPSDELATLVDEDDVFEWVEQVAPMYGSILPTFLHCIFFPNKAAPPTR
SSFYDPRISQESTVFP MNSTPLLF SFGCMSPSLGGEVGCINLFFVFLHVRALIGSLFPI
LLSDNEIPFHVAFFVYQYRLYTSASDGLSFNRLQNAL LGYGGPTLLIVQSGKSTFGAFT
ASPWKESKDFYGNHDCFLYRLLPETTAVYRPTGGTNKSSTRFMYCNSFARSRGFDQQAHG
IGFGGSTERPRLFLSESFDDCRAGSDDLTFEKG PLLAGNGDNSAATATANAMFEIDNLEV
WVGVGTEIVEESLKARSRSRDIRQANINKARKVDKAAFLDDL RSGVIDNKAFAHRAQIQG
RDGTCELLGDDTDEN

>comp8940_c0_seq2; 711 122 2026 LEN=2225; translated
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NEIRKKATSFLKDVGVLSAAEGRRSERKTKKTNSVISEEEERFQEAAYLEERLFLLEAVE
RKILPAGFGNTLYRTCF LGPHDSSSYDGHAIKTL YQGDGEEDEYVRMARLEQFFGGLANG
TRRDRKTVTRCLIRCCAQQPPPVGAEETVDGNNAIVNDFAYGGANARNFSNGQNER TYIK
PMELVDLGYRICIAA AFLKEATGGNSKDEDDQDLGRFLPPTDPRELK PGLLALSNSLASL
ATKRKQRRLRSTVPSDELATLVDEDDVFEWVEQVAPMYGSILPTFLHCIFFPNKAAPPTR
SSFYDPRISQESTVFP MNSTPLLF SFGCMSPSLGGEYRLYTSASDGLSFNRLQNAL LGY
GGPTLLIVQSGKSTFGAFTASPWKESKDFYGNHDCFLYRLLPETTAVYRPTGGTNKSSTR
FMYCNSFARSRGFDQQAHGIGFGGSTERPRLFLSESFDDCRAGSDDLTFEKG PLLAGNGD
NSAATATANAMFEIDNLEVWVGVGTEIVEESLKARSRSRDIRQANINKARKVDKAAFLDD
LRSVIDNKAFAHRAQIQGRDGTCELLGDDTDEN

>comp8941_c0_seq1; 643 1 2425 LEN=2697; translated
XDLRPIPPPLLPDL PNSGACRWSFDEATRVL RADFSVGRNQKGRSSVVTLEDSKFLFQ
MYERDDITVVS RGLLNMSRIE PSLWSLEYLRKCVGREFYHKFRRFDRTVDENGIVSNLEK
DVLYSMRFEDYVRYCEKRESYLN ERAAGNDNGNDNDNGTAQDEPQFTFCDYQGKTH TIGV
RTSALY MIDVDMSRLVPL LNDNFLES FELPAVLPGGSHCMMSV TPEARPFMGP NLYVTP
PASFTHFHQDGHGTVD SGHLCSGYNEVVM LRLRTERHKKHALWILSGSRTDDSHFDGLY
SMPHGDGLGKKPPWPTKDMLED CRKMGYCP SVLILEPGDLVHINKGR LHAFRKMSTSGLP
DKDCHF EQRTM VASKGISGEEKMCVSAWDW MYRGISPAGINREVC AILEGSTLNRKNN
VSSLAIP ELALLQMAKTIPARGATAGNTK SFLDALKKEERQ TNIESSKEDICRGINPGL
SVVVGQHMKALNVEESTSTEKGERLSIAKIPDTQENPQSCALDPYGS SDFQCKLCSKELS
NVYFHC DGCEKLLSKDFNICRGCYLQGEFLIKVQMHP SNPKRHATL NHMGDNKFSRESRC
PCKNGPACNFCGYCLGCS CRCHTFWTRRLCDAEDEE KLLRSVRCTIIPESPEPSVVDG
GDNKREKGVFGGMEETTQHLVERLKDAGDEEWLSEDRADNVPEQQSSSNEANGVTVVDGN
SEEMARGENGKGRPGANEDGNAMYS DVRVKVEDSQQTIAEDMKVTGLANGNTGKKLQGAD
RTDDAEAKKQCEREWVAGSNVKNDDAVV

>comp8941_c0_seq2; 193 1 957 LEN=1049; translated
XDLRPIPPPLLPDL PNSGACRWSFDEATRVL RADFSVGRNQKGRSSVVTLED SKFLFQ
MYERDDITVVS RGLLNMSRIE PSLWSLEYLRKCVGREFYHKFRFRDRTVDENGIVSNLEK
DVLYSMRFEDYVRYCEKRESYLN ERAAGNDNGNDNDNGTAQDEPQFTFCDYQ GKHTHTIGV
RTSALY MIDVDMSRLVPL LNDNFLES FELPAVL PGGSHCMMNSVTPEARPFMGPNLYVTP
PASFTHFHQDGHGTVD SGHLCISGYNEVVMLRRLTERHKKHALWILSGSRTDDSHFDGLY
SMPHGDGLVGIXAKGGLLL

>comp8942_c0_seq1; 386 318 1229 LEN=1441; translated
MKQNTTTPSLPPLRVEEFKDHNSLECSPRCVIPQETSRLKVSPPQLSPETR RVCSGSIG
SSASSSVSTYSSSSSASSLGF GTYDDPDDIAPETNTNDEGDPIISFEALSLETRRIAVSI
APTSPMALSAEDERTLGRMKPNRLQNCQLSLEALFKE SDGASNRSTQEMLPTLSMIAQRE
RQQQETCNTDELAATKAAPRDGSILPEVGQRRSIVSKRYTIRKIVATGPSNFSSLHPPHN
SSRALRPKRQRGGSDFSMPIEGNSSSSISPRDRRKRMRNRNRAMA ADEFDSILSQINTT
GSL

>comp8943_c0_seq1; 527 49 942 LEN=942; translated
MTFSLAALSVAL LQAPMAVVQGSFFRSALVNDIGSNGKVLASEVILKGATGEP TAEDMEF
IGKALVASYN NVHVEVGHYMTGSHAVDFKGPDSFLCRHCPDDDSMRGAGAETS VFEVKTP
IGFLCRHCPDD DAMGTDSLLMAAISED CAGLCEKEASAELEVSLCSKIRSAQDSKYLSSV
KACVIRFDAEDKKSNNKR ISSATNKVATVDSTIILK GIGAGDVTKEEQAILAKAFVSAY
NDVHWGTNHYLTDAEIPFTAATESPDGFLCRHCPDDDSMGG AQQTNTLVLDIISPVEA

>comp8943_c0_seq2; 239 224 514 LEN=514; translated
MKFCLAILSLALASARGASLRSAFANSIDSNNGKVL DSEVILKGT VGEPTAEDMEFIGKA
LVASYNDVHWEAGHYMTGSHAVDFKGPDSFLCRHCPD

>comp8945_c0_seq1; 456 86 1615 LEN=1818; translated
MRDELAQLVQTTPKPKNEYTDIDGFNYRQGGYNERKQQPGVFPWKAVTLVSIIFLVALGF
YQKNSNPKWMLRKS PKCFCHQSPPKLHHDKSYTIKNVAGLSTGNSVSEEIVVIPMTV
TYEYELYDGGSLFTVASSELIPNLDFDYAVLGMSTARNINRQTGEPVSLDEVYVHHFSIP
PINMIGAEVLTRNASMPYMKFPDGYALHVMVDETPHIT TNAHLLSNKNLAPINGSL SRAH
KECNECFYAPGKGSECTPEASGTFKCCGDSYVCTTGREECACATRTERDTSQTTKYRFEI
DLLISKDISRFRKRDQWNFAAPACAVNLYGDSVFKQYAPGNFCSNITASQSLTTGGGSLF
HSVPENNANPYLET KINVIAPAGGKLIWAQSHLHTGAINATLLINGKVV CASSAVYGTDS
DETANARNEQNHLIQIGSCYDEIEEGGIRFEEGDVFTTESIYGGTDDEHMSAIEAAGEH
KNVMSMFFTGDIDFGDSDFLTENRTSFNFW

>comp8946_c0_seq1; 502 165 1757 LEN=1874; translated
MASVGQVVTENCL EFLIAQQLVFSNGESRLEYCKLFRELH SRESTLKNLSYGLHNL SKIS
EFVELMEGARADDQEPCLSEQGS PHNTKPFYKWKPFWDWKA FRGRLTRI QMSMLREDANAT
VDDIYRHNGDRNNS ENPSIDEARSQSKWYS DNLYRVVDLLTLQEK LAPFRENLESMSWYF
NDEASEPLPLPNDLVVEYMETLDNLQCRNEALTKDFQKVFRIFL KSDGTD TFRSPATIRG
LLDDHTKAYSFTLLRN RVDKLIRRWVSDVFQPVTVI GRANPEAAVEESQTDALQRLQ RSR
ARLRERVEDPMSETVA AATLAQLNKEGKHPSMPSGDEPQDDEHSEKENDRTERSPSNTT
AVKKYKRRRGMSPITKGRMLDKKRSATRLDFTQSDDEEIEDPEVQDEVLPD VRRPIQVRT
SPGTPSKKRSQEKSYQRRVWSDIEKQAVKDGIIRFGVGMWARIKNDKGVILRDR TSGQ
IKDCYRTMKRRGELDNIEEAWPERKKL TEEKEEGKEQEKVDEKGEQEDK

>comp8946_c0_seq2; 426 165 1631 LEN=1996; translated
MASVGQVVTENCL EFLIAQQLVFSNGESRLEYCKLFRELH SRESTLKNLSYGLHNL SKIS
EFVELMEGARADDQEPCLSEQGS PHNTKPFYKWKPFWDWKA FRGRLTRI QMSMLREDANAT
VDDIYRHNGDRNNS ENPSIDEARSQSKWYS DNLYRVVDLLTLQEK LAPFRENLESMSWYF
NDEASEPLPLPNDLVVEYMETLDNLQCRNEALTKDFQKVFRIFL KSDGTD TFRSPATIRG
LLDDHTKAYSFTLLRN RVDKLIRRWVSDVFQPVTVI GRANPEAAVEESQTDALQRLQ RSR
ARLRERVEDPMSETVA AATLAQLNKEGKHPSMPSGDEPQDDEHSEKENDRTERSPSNTT
AVKKYKRRRGMSPITKGRMLDKKRSATRLDFTQSDDEEIEDPEVQDEVLPD VRRPIQVRT
SPGTPSKKRSQEKSYQRRVWSDIEKQAVKDGIIRFGVGMWARIKNDKGVILRDR TSGQ
IKVSFESL

>comp8950_c0_seq1; 396 129 1394 LEN=1588; translated
MIPSHLLDPTKKKNERLSRTVLGVAPPPPLPSLCV TGAMSRIGKYRVATGTSSS ANEDQD
IGIRNDNGNDGKKLMCPAKKYTIHDNGGVPIILSYIIFRPRQLYDQNK PPLLCLHGGPSI
PSNYLLPIVNGVTDR TIVIFYDQWCGKSSRPQALTEPNSNNKNNAKKKA EYPPFSIPTMV
EHLRQLIDEHWKLR FHLFGHSFGGILAYEYLLAKTCTLDEELSGGRHASCVS SLLLSST
PTSASLIQSESERLFRSLTSQEK SNGCSIDGGNGCCEK DITDKTAIASSEQQKQQLRQSM
MKSEEFQQTHECRLADCP LALMDALGNMG PAPWRGIEA IHGYEAEEVDEFHRIP SLLLRG

EYDFCTESCMAGWRERLDGDNFKSEEVVLSNCSHYAMLEDENQFGAEILRFIRSHDAEDW
P

>comp8951_c0_seq1; 567 284 1917 LEN=2406; translated
MKNFGVSEIPKEDTPLVSKNIREEEEDFDDDDGSENDGSDHFKTLSGKGPNI IRRQSIAD
RLSERLLGIDDDDDKLEDKILHEHLHVDMDTPLLTLSENERSFVKVQVSDDETSSINWV
SSKNFGARFFSMTGLCILAFGLVLAALLIGAGFVPPNPVGPYELIERQVSDGXDLSEG
NDFFGYTYFYEGADSVGSNGYISYVNEERAGDLSIANITNEVDVLESLFRSQKIKGESEE
QTSNENQKKPFLYLKTSPTVDGPRESVRLEGKKRFNRGLFIIDVRHMPAGCGTWPFAFWLT
DEANWPVNGEIDIVEGVNFQAEAKTALHTTKGCSMYDVPLGLMTGIWDTSIGIPDRKTGI
PDMTYREARNCYVYDRHQWLNQGCVAIDAKGGSLGAPLNEKGGGIFALEWDPIYRHIRTW
VFTPHTKVPENLVDAIRTASEKAEEDRVMPNPEEWSLPYGYFPIGDSTSCGGTKFRNMRL
VLNTALCGSVAGNRFMDCKNESKTFKTCNEYIKSRPEALSEAYWKIRGVVYVYQRRWEKA
WLH

>comp8951_c0_seq2; 618 284 1894 LEN=2383; translated
MKNFGVSEIPKEDTPLVSKNIREEEEDFDDDDGSENDGSDHFKTLSGKGPNI IRRQSIAD
RLSERLLGIDDDDDKLEDKILHEHLHVDMDTPLLTLSENERSFVKVQVSDDETSSINWV
SSKNFGARFFSMTGLCILAFGLVLAALLIGAGFVPPNPVGPYELIERQEGNDFFGYTY
FYEGADSVGSNGYISYVNEERAGDLSIANITNEVDVLESLFRSQKIKGESEEQTSNENQK
KPFLYLKTSPTVDGPRESVRLEGKKRFNRGLFIIDVRHMPAGCGTWPFAFWLTDEANWPV
GEIDIVEGVNFQAEAKTALHTTKGCSMYDVPLGLMTGIWDTSIGIPDRKTGIPDMTYREA
RNCYVYDRHQWLNQGCVAIDAKGGSLGAPLNEKGGGIFALEWDPIYRHIRTWVFTPHTKV
PENLVDAIRTASEKAEEDRVMPNPEEWSLPYGYFPIGDSTSCGGTKFRNMRLVLNTALCG
SVAGNRFMDCKNESKTFKTCNEYIKSRPEALSEAYWKIRGVVYVYQRRWEKAWLH

>comp8951_c0_seq3; 617 284 1693 LEN=2497; translated
MKNFGVSEIPKEDTPLVSKNIREEEEDFDDDDGSENDGSDHFKTLSGKGPNI IRRQSIAD
RLSERLLGIDDDDDKLEDKILHEHLHVDMDTPLLTLSENERSFVKVQVSDDETSSINWV
SSKNFGARFFSMTGLCILAFGLVLAALLIGAGFVPPNPVGPYELIERQEGNDFFGYTY
FYEGADSVGSNGYISYVNEERAGDLSIANITNEVDVLESLFRSQKIKGESEEQTSNENQK
KPFLYLKTSPTVDGPRESVRLEGKKRFNRGLFIIDVRHMPAGCGTWPFAFWLTDEANWPV
GEIDIVEGVNFQAEAKTALHTTKGCSMYDVPLGLMTGIWDTSIGIPDRKTGIPDMTYREA
RNCYVYDRHQWLNQGCVAIDAKGGSLGAPLNEKGGGIFALEWDPIYRHIRTWVFTPHTKV
PENLVDAIRTASEKAEEDRVMPNPEEWSLPYGYFPIGKGASTVLSINDL

>comp8951_c0_seq4; 344 284 814 LEN=936; translated
MKNFGVSEIPKEDTPLVSKNIREEEEDFDDDDGSENDGSDHFKTLSGKGPNI IRRQSIAD
RLSERLLGIDDDDDKLEDKILHEHLHVDMDTPLLTLSENERSFVKVQVSDDETSSINWV
SSKNFGARFFSMTGLCILAFGLVLAALLIGAGFVPPNPVGPYELIERQVSDGPI

>comp8951_c0_seq5; 566 284 1716 LEN=2520; translated
MKNFGVSEIPKEDTPLVSKNIREEEEDFDDDDGSENDGSDHFKTLSGKGPNI IRRQSIAD
RLSERLLGIDDDDDKLEDKILHEHLHVDMDTPLLTLSENERSFVKVQVSDDETSSINWV
SSKNFGARFFSMTGLCILAFGLVLAALLIGAGFVPPNPVGPYELIERQVSDGXDLSEG
NDFFGYTYFYEGADSVGSNGYISYVNEERAGDLSIANITNEVDVLESLFRSQKIKGESEE
QTSNENQKKPFLYLKTSPTVDGPRESVRLEGKKRFNRGLFIIDVRHMPAGCGTWPFAFWLT
DEANWPVNGEIDIVEGVNFQAEAKTALHTTKGCSMYDVPLGLMTGIWDTSIGIPDRKTGI
PDMTYREARNCYVYDRHQWLNQGCVAIDAKGGSLGAPLNEKGGGIFALEWDPIYRHIRTW
VFTPHTKVPENLVDAIRTASEKAEEDRVMPNPEEWSLPYGYFPIGKGASTVLSINDL

>comp8954_c0_seq1; 197 444 1346 LEN=1574; translated
MIARALGVELIEGSRPNRLALERTSDIQVQHFSLPWGAGCQKFPTQVIQNVVLPACSV
LVYSTSSYTELKECLKMAEAGIQVGYNRLIYPTRYLLDIVSSKEWYKSRGIDQIFII
VRDHTVSQRARVKHCKNETLLKKEEKTGTDIITRAINKEYILKSRRLSISSLDLFGDISP
KAMNATNDYHRGHEHRKLSLTAPLQGDNGVVLVSYESLNQLGDVYVKKLLYETLGI
ESDTMPTIEDGNTKYIKNKSCLKDINRPKGSYGAQAAREKDVLERYKKELEKRRDREKKQISD

>comp8954_c0_seq2; 197 415 1317 LEN=1545; translated
MIARALGVELIEGSRPNRLALERTSDIQVQHFSLPWGAGCQKFPTQVIQNVVLPACSV
LVYSTSSYTELKECLKMAEAGIQVGYNRLIYPTRYLLDIVSSKEWYKSRGIDQIFII
VRDHTVSQRARVKHCKNETLLKKEEKTGTDIITRAINKEYILKSRRLSISSLDLFGDISP
KAMNATNDYHRGHEHRKLSLTAPLQGDNGVVLVSYESLNQLGDVYVKKLLYETLGI
ESDTMPTIEDGNTKYIKNKSCLKDINRPKGSYGAQAAREKDVLERYKKELEKRRDREKKQISD

>comp8954_c0_seq3; 197 531 1433 LEN=1661; translated
MIARALGVELIEGSRPNRLALERTSDIQVQHFSLPWGAGCQKFPTQVIQNVVLPACSV
LVYSTSSYTELKECLKMAEAGIQVGYNRLIYPTRYLLDIVSSKEWYKSRGIDQIFII

VRDHTVSRARVKHCKNETLLKKEEKTGTDIITRAINKEYILKSRRLSISSLDSLFGDISP
KAMNATNDYHRGHEHRKLSLTAPLQGDNGVVLVSYESLNQLGDVYVKLLYETLGIESTM
PTIEDGNTKYIKNKSKLKDINRPKSGSYGAQAAREKDVLERYKKELEKRKRDRREKKQISD
>comp8955_c0_seq1; 392 1482 2522 LEN=2543; minus strand; translated
MSQVICVLALSPFVILIVVGSFKVDPSPRWFVLPKTGNSTSIDVFDVDDVDTQGGIISNISW
GGVFWRPFLNNLFWNLNSFDSGGNMVAELDSTTLFIRPMMVGFLLTVSFYIFPLLIATGA
SDAEQEDWTDGYLAVINSEVVGPWLGAWTIFAAGISNIALFQAELTSDAYQLMGMADRGY
LPKIFSKRSRHGTPTYGLILGTAVIVLMGVSDLRLIEMLNFNYSVALLIEYAAFFKLRI
SRPNIERPYRIPLNTLGCVFFFPVTSATLLVICLADFTTYFVAVGTWLVGYLLYAVKRO
NDQISFSTALEEGNRGDGYAHVAVESVEGDEMDELVDENTTNGEFS
>comp8957_c0_seq1; 434 138 2178 LEN=2915; translated
MRKQLQTNRNKRRIISLFCCLGTAVWVTALVSLTFLQVFI LRHNEKLGRRERQDGNASLSSE
SFYQITEQRIQENQKITQGGHENKINKTGKKPQQLQKKQSIIDGGEQDKLFSMEKKTKM
SKMRKGQLSWSGGHGTPESCSDTKMRKIQYQLEQNARFRKKNMAKYVMDFRKRQSTYIAQ
STTSAAGEWEETMGVHARGMQLFVDLSDQKSFVANSSDNESASENDGPWFVLHIGPPKT
ATTTVQCGLKXSLRLAKTDGYHFLGGGCGMQTKKEYFMPNGEQVTLRLQILVALHSAESR
SDYEAKRCHEPVSRYVEAIEAEKHRQRFIDRASFLRSKNRSVILSSEQFGSQLSVQREIM
EQTRSMILSTEDGHGAGFPDPKVRIVLAYRHFVDWLP SFYYQKFFRLNSVMDREWHDFR
VRPLLEYIDEYLTKEAHQRKVVDKYVARKNATLIHEGHSPLSLLPTNRQSIHPSWWLYTV
WSAYFPLPNQVQVYDMHSPMNMNRPEDDMVTD FICHMLPSANDTCQNMMDADGKYDKSD
YDNLDLHSFHSLHLPNRTTDFLNNIGRGNKPGAKRNLKADSNGDNSNSDEKNNGKQTMVV
RPSSDHHAKRIVEELLGRGDIKPFYEEYGTKYFEKLNEGGIMQDPSDAVTVNGYTMPNL
LERANEILENHGGIPKPKQ
>comp8957_c0_seq2; 481 138 2756 LEN=2784; translated
MRKQLQTNRNKRRIISLFCCLGTAVWVTALVSLTFLQVFI LRHNEKLGRRERQDGNASLSSE
SFYQITEQRIQENQKITQGGHENKINKTGKKPQQLQKKQSIIDGGEQDKLFSMEKKTKM
SKMRKGQLSWSGGHGTPESCSDTKMRKIQYQLEQNARFRKKNMAKYVMDFRKRQSTYIAQ
STTSAAGEWEETMGVHARGMQLFVDLSDQKSFVANSSDNESASENDGPWFVLHIGPPKT
ATTTVQCGLKXSLRLAKTDGYHFLGGGCGMQTKKEYFMPNGEQVTLRLQILVALHSAESR
SDYEAKRCHEPVSRYVEAIEAEKHRQRFIDRASFLRSKNRSVILSSEQFGSQLSVQREIM
EQTRSMILSTEDGHGAGFPDPKVRIVLAYRHFVDWLP SFYYQKFFRLNSVMDREWHDFR
VRPLLEYIDEYLTKEAHQRKVVDKYVARKNATLIHEGHSPLSLLPTNRQSIHPSWWLYTV
WSAYFPLPNQVQVYDMHSPMNMNRPEDDMVTD FICHMLPSANDTCQNMMDADGKYDKSD
YDNLDLHSFHSLHLPNRTTDFLNNIGRGNKPGAKRNLKADSNGDNSNSDEKNNGKQTMVV
RPSSDHHAKRIVEELLGRGDIKPFYEEYGTKYFEKLNEGGIMQDPSDAVTVNGYTMPNL
LERANEILENHGVYSQTPKVNSTFEERFSEKYFDCITPDLEERLLNASRTFM DLMYKHTP
MLSQATAATYSASNRLHHSNGSNERDNRQKLAEEEREKRWIQAKAEHERLFAQNKQKGYCEI
NPDKVFHNRPEVRDELKSLRYKPAYNNFFLWKNLPERQRRRAALSLGFGQNTWERKLIK T
FSVRWDALSSDKQAAAFQLGYNKVMWDGIVLK
>comp8958_c0_seq1; 599 112 1368 LEN=1485; translated
MRHGRAKAARKTLRYFERAVNLKSRPYYSVLLDATFLIAMVRMTTGE GAESSGAQC GGST
IVSRIERVLQVNHQSGGSASSRDDR LGNFHDSNGSNHNNTNADSDRNHSHS PHYHSNHYG
VRFFVPQEAVEELETIVRTFHDRSETTKKKKKKAQYEA KSRVFRDALDWIHRNGGKKKSS
SHGHRGGGRCEVLPKLEPLVKTNAKAKKTPQH KPT EATNNTGDETDQAMDPEQEADP IA
ASEAVRRHIARDDGRED SNGNTIQNNNSVSRTYIVASQEEDLDDLRTLTGTVPILRCANN
ASVLIILENPSKKGQKHQTLKESKWKGSLQHPAERALVDAAWKA EKARKHGLKTRVLGGS
GNSEREPARGAGKAKGNPLSCKKRKQSDTASGGVSKSKRRRERAQRNKAAAEGDEHQ
>comp8959_c0_seq1; 231 460 774 LEN=2447; translated
MTWEYKSR YDIGYEVATPTAGEKDNDNDQEHPI LLLNGFGVGSFHQHRLIAELLKDDEEN
DSKSGLPKRTVYCLDYLQGRSWPKDCRDGTSEDEKDLQYSANT
>comp8959_c0_seq2; 190 460 1092 LEN=2197; translated
MTWEYKSR YDIGYEVATPTAGEKDNDNDQEHPI LLLNGFGVGSFHQHRLIAELLKDDEEN
DSKSGLPKRTVYCLDYLQGRSWPKDCRDGTSEDEKDLQYSANTWCEQI IDFIEQVVEGN
NKNDVKVHLVGN SVGGHLAAHVAQRRPDLVASICLLNPTPVWGSKLPGWNGHLPAPGTQF
LFCQQR TLMWCNAVEHGLFFSMLYIYTSTS
>comp8959_c0_seq3; 190 1011 1900 LEN=2004; translated
MDVGGXEQI IDFIEQVVEGNKNDVKVHLVGN SVGGHLAAHVAQRRPDLVASICLLNPTP
VWGSKLPGWNGHLPAPAIPKAVGRYLF DQIRDLNTIDKFL EATYSVKEAYTEELMHQIRG
ATLNGGGHAAFASIMWSPPLQSEGSTDFGDCLRRIPSGMDVFLVFGQDDPWCKPAFARNM
LRALEERP GSSNNPRQKSVHRYVQITNAGHCPNHEAPKAVGH LVRTWVDAKNDDRREKEL

SFVTGNGKKNIFGVKANSGLSKELSFVEDWAEHTVTELDRDDIPLNLMDRIIITFFL
>comp8959_c0_seq4; 347 460 1650 LEN=1754; translated
MTWEYKSRDYDIGYEVATPTAGEKDNDNDQEHPIILLNGFGVGSFHQHRLIAELLKDDDEEN
DSKSGLPKRTVYCLDYLGQGRSWPKDCRDGTSEDEKDLQYSANTWCEQIIDFIEQVVEGN
NKNDVKVHLVGNVSGGHLAAHVAQRRPDLVASICLLNPTPVWGSKLPGWNGHLPAPAIK
AVGRYLFQDIRDLNTIDKFLEATYSVKEAYTEELMHQIRGATLGNGGHAAFASIMWSPPL
QSEGSTDFGDCLRRIPSGMDVFLVFGQDDPWCKPAFARNMLRALEERPGSSNNPRQKSVH
RYVQITNAGHCPNHEAPKAVGHLVVRTWVDAKNDDRKEKLSFVTGNGKKNIFGVKANSGL
SKELSFVEDWAEHTVTELDRDDIPLNLMDRIIITFFL
>comp8960_c0_seq1; 439 1 1619 LEN=2212; translated
XSDMEDGTWVLRKRI SKLKQYTKERKDAGMVNCTQFRNFADASLHRTRFCLLQFYLLILCF
ANYSVSDAFVFAPTSKSPGAVIFASLNHNHNQAIASSSSTTISVGTSSVIGDDGTLPSS
SPSPTFSTAAEWHRRDRKAMIEKYGDQILPLERSTSSQNIGLPLLAITNLSLLSLSLFSG
VNDLEVFEIFGLALFPGSMFSLWQLQILHDCLHGSLFDKNKQQLESSDATVQSSNNGRS
RKQLQNDVLFWGSMPISIFGYFLYLKYGHLTHSNVGDPPDRASLEKLFDSQSQNFEDGDVL
FVAHRMCLKGGIGPTFELPFREVPFLPEKITMSISKGGFDQWKIDSMESGNLPWNVAVF
ASSFLFERFMLLINDFVVAIAGRNFPPNKPDSFHRECTEYARAASLVRATLLLLIGWKT
LLFLYLSETLWSIPHPASAMFVSNHPSAVDENTGDCVPSMSTYAGLWYSLFTLGTNYHC
EHHDFPTIPFHKLHELRRIAPEFYRTGTEDDLLDVMKKSFTTEPDYACMDVHKLNTESA
>comp8961_c0_seq1; 215 95 1124 LEN=1124; translated
MEDSHQRDESPRGGGWYGTDPVVLVLSASTVLLASYFLFLFLFKFRIPKKTAVALEIARMD
QDEKREYYLYLFRENGGEFELTEDQVVLGKRREEAETE QDTKDS DTEENDSDDASSCSVY
LSLACLEQPGSGGASQGRKARAGENIEAGLATTKRAEVQKQTQTQTQAPKQTQPLLVGASA
SSASSPFS PGKSSGSPPEEKRLRPRPLRAGGAAPTSSTRTASWAAWSTAQAGLGRGAAS
GLPDLPPGILRPAAAPAREKVL SRPLAGGT KRNRARRGGRDASSGVERTNDRDYPLRRKR
GTGWVGVIGGLVLLARS DARQGKAAQHSATQLNSKAAKQQERA
>comp8961_c0_seq2; 210 95 1136 LEN=1136; translated
MEDSHQRDESPRGGGWYGTDPVVLVLSASTVLLASYFLFLFLFKFRIPKKTAVALEIARMD
QDEKREYYLYLFRENGGEFELTEDQVVLGKRREEAETE QDTKDS DTEENDSDDASSCSVY
LSLACLEQPGSGGASQGRKARAGENIEAGLATTKRAEVQKQTQTQTQAPKQTQPLLVRGQC
VVCFEFPLPGERVVRSVPGREASASASASASASGGRGCPHFVHKDCLVXLPGPPAQAGLG
RGAASGLPDLPPGILRPAAAPAREKVL SRPLAGGT KRNRARRGGRDASSGVERTNDRDYPL
RRKRNGTGWVGVIGGLVLLARS DARQGKAAQHSATQLNSKAAKQQERA
>comp8964_c0_seq1; 718 1 2260 LEN=2814; translated
XQPIVFRFETRLRGVVAEGFPVAAFERTRPPLSNPAPTRSTRIPGPSLAPSEAGQNAMER
SESAPGKGGDLPPGLGEMFINSTDTLRHREINQKIPEAWNDRPPLFAIAPPAQRGFVWR
KQQPSPTAEAPGDSCEDPNLLKGMIRKGI PPSLRCAVWLSNVIQSCRIDQLSEIHKYRT
LARVRAVDSMYDSLWTDQNGSGGAGESIGGSALRQINEQDVKAMDFGNDVSWARLEEN
CPGINAVKVVVFALHHSVLGGIVDFAPLVPTLVTLISGFMSEPYVYACREMYHSAWFL
ATSRSEHIAMQRAFLDVLGRLHPHTLATMKEQGVD AEYTKEIFQNFFTTIFPERMVLRML
DIYSLEGNKVLFRFGIALAVLYGKEYKEYHYKYSVEPDKWWLGLVEYCRGGRDGHLNFE
VLVKKAYGVHKGVRKRFRFRPILARIEIEEEKYREETIRRRALQEAGTGGDGED
EGTDTIDFYLDQIEPLGLVIPPPTDPNRERVVPR LAKSTFIRTKLAEWLPLSLRFTKLD
LVYSTSHHGRSLENYRCLAKSRHTVFVLEPFERKDNRYLIGMYASDTWHSSSRVYGDGR
CFLFRIDLEDDWKQKEGNGNEEKEMNGNEKKAIGSKSWKWHPPDMLDFGTASMSFDTDHQ
ADGLFPDTSRLASARATAVVETFQVSTDDFLGLGGNDEGGAGLRLNEDLTKAESARADGF
DNEPLLPDSGGMFEVGLVEVYQLVRQMDGVPVR
>comp8964_c0_seq2; 502 255 2087 LEN=2641; translated
MIRKGI PPSLRCAVWLSNVIQSCRIDQLSEIHKYRTLARVRAVDSMYDSLWTDQNGSG
GAGESIGGSALRQINEQDVKAMDFGNDVSWARLEEENC PGINAVKVVVFALHHSVLGGIV
DFAPLVPTLVTLISGFMSEPYVYACREMYHSAWFLATSRSEHIAMQRAFLDVLGRLHP
HTLATMKEQGVD AEYTKEIFQNFFTTIFPERMVLRMLDIYSLEGNKVLFRFGIALAVLYG
KEYKEYHYKYSVEPDKWWLGLVEYCRGGRDGHLNFEVLVKKAYGVHKGVRKRFRFRP
PILARIEIEEEKYREETIRRRALQEAGTGGDGEDEGTDTIDFYLDQIEPLGLVIPP
PTDPNRERVVPR LAKSTFIRTKLAEWLPLSLRFTKLDLVYSTSHHGRSLENYRCLAKSR
HTVFVLEPFERKDNRYLIGMYASDTWHSSSRVYGDGR CFLFRIDLEDDWKQKEGNGNEEK
EMNGNEKKAIGSKSWKWHPPDMLDFGTASMSFDTDHQADGLFPDTSRLASARATAVVETF
QVSTDDFLGLGGNDEGGAGLRLNEDLTKAESARADGF DNEPLLPDSGGMFEVGLVEVYQL
VRQMDGVPVR
>comp8964_c0_seq3; 502 556 2388 LEN=2942; translated

MIRKGI PPSLRCAVWLSNVIQSCRIDQDLSEIHKYRTLARVRAVDSMYDSLWTGDQNGSG
GAGESIGGSALRQINEQDVKAMDFGNDVSWARLEEENCPGINAVKKVVFALHHSVLGGIV
DFAPLVPPTLVTTILSGFMSEPYVVFYACREMYHSAWFLATSRSEHIAMQRAFLDVLGRLHP
HTLATMKEQGVDAEYTKEIFQNF'TTIFPERMVLRMLDIYSLEGNKVLFRFGIALAVLYG
KEYKEHYKYVSVPEPKWWLGLVEYCRGGRDGHLNFEVLVKKAYGVHKGKVRKRFRFRPRR
PILARIEIEEEEKYREETIRRRALQEAGTGGDGEDEGTDITDFYLDQIEPLGLVIPP
PTDPNRERVPRALAKSTFIRTKLAEWLPLSLRFTKLDLVYSTSHHGRSLENVYRCLAKSR
HTVFLPEFERKDNRYLIGMYASDTWHSSSRVYGDGRCFLFRIDLEDDWKQKEGNGNEEK
EMNGNEKKAIGSKSWKWHPPDMLDFGTASMSFDTDHQADGLFPDTSRLASARATAVVETF
QVSTDDFLGLGGNDEGGAGLRLNEDLTKAESARADGF'DNEPLLPDSGGMFEVGLVEVYQL
VRQMDGVPVR

>comp8965_c0_seq1; 141 1 954 LEN=1269; translated
SPKQSSNRSVASTVNNKYPRHISNISEASIEYFTTVRSPNTERKRTSFEIDRMIEEDAS
RDIINFEMRGVNAFQDKERLNISEDIYSFVACPYWSKEFWFAIYFICTKYICFGILMSN
ISMDNQYHGCIMVQVVKFFLIPVAISMQEDLITVFYNTACKRYDGLVSRRFVDASLFWKT
LANSLRFVDGILSLSVNFFLMLCTNTTLNIFLNFAALHFLQFIDDVLYRLAEQGGFFGEM
EWATVMCKQITFPRAI IHGERYNNFMTHMDTIFL'FMTGFV'CVGIYGYVYKNYNDDDYR
IETDLHPCDAIPETSDR

>comp8966_c0_seq1; 378 1 1414 LEN=1734; translated
XSHNIQIGGAMGDSGHQKWDHVLRS DPRLQQRRIEWKLYPLYQGMDLNYVKHQRAKILS
HCQYDRDCESQFHEESVGGHSQASGHTGTSASNSNSNSTNTNTNTNELNDSNSIDLNH
GDSKQKDGGLLRPIPKDLRNF LDV PKGGYWEIRSGDSSD S KAAVTETRLSSLMYDGVKTS
RIRKTTTRYGCETATASTSATTKARKTKRGKRGTKRSYSRAETAWKRGNWCF LDDAKEN
SRTIRSSIHTQPLRNIEIEGSTSSRWHYNRKR TARKSNAL TAAATTSTTASTTASTAAST
IGSRLQANAVPAIPKRHKPSPPSR'SNGNIQSSPGSTR LQHLAKKAKTSSSAAPNAAMSAL
ENDAPAATASESSEAVRITLSESKPPALKPRETGDIGNRCVLP'GNSALGTSLAGGPACQT
QRQTQGQAYEQTEGQTCEQIQRQAKYDALQEAMDRAMEHYGQDWDGETILV

>comp8967_c0_seq1; 156 151 600 LEN=869; translated
MPATGNDNGPGRGSDEAGLAASASAWIRIAGAMGAIGVGTGAFGAHALKKTLEERGSAA
WQTATVYQLVHAAAVLSLAVSASSSVSRGVP'GKRRHLFAAKLMGIGSLLFSGSIYFLAL
GIGPKPVLGPATPIGGLCMIGGWA'VVGTS

>comp8968_c0_seq1; 175 127 492 LEN=844; translated
MADASIPLTAGEWEEWGNPNEEYFFQYMMDYSPMNNIQAGVEYPSCLIKAGLYDPRVAYW
EPLKYTASLRHGVSND DENRPICLQTDMAAGHFSASDRYKHIRSTAFDYSFLLWQLGFTS

>comp8969_c0_seq1; 618 306 2993 LEN=3225; translated
MVDIT'TGSVDDGIATPPSVEEDTAAPKDSTPPVLRSDNSHTNSTKASKKSTGSANSSGSD
RNGYPSQIVYNSNPV'PNGHGHRIRMQPPPGSPG SYQLNDGTAAGYPPHPMHAYQLSSSPI
VIT'TQAPSGISFSPSGGNYP'PHMNP HQGGLPPTPPTLPYQQRQDLNSSGNGSRNPNGNL
GRSTHRRSNSYNGPQ'GSSSFFSPQGS GAPPLRRSGSKAGASTGGRQRANSEDFSPVAEV
RKL'TGTGAGVRPPVSPGH'RGSGSSRHNRKASEDQMHMSYPGPMFPTSFTGGSSS'PLEQH
SQRNYSYQ'NQPPQPMIYNRGVYMGDSGDDSI'SGSVRSIRNSKETIGDDGSEGGGEAVFLL
NKNSSRKASRRGG'SRTKRRHMRQ'HSQAQLFMEEVKGTEQLPSCRDIIFLL'LVFVHLLGIVY
LGRTY'GNEALLIHDESLEESSESSVTIILMNM'IYLAGLSGVFAMVVSGLTLLLMATIANKI
VQIAIILSIT'FSFLWGTMGVGLTP'KKIVPITGIIALGLSVAYAFIVWDRIPFAAANLNAG
LSGILANPGAI'FVSVFIFQILSLGWSVYI'FVGFVYDAIQE'GEIDESFEGAGYVYFCLLG
ISYYWTLN'VFLNIVQVTVADVIGKWWYTPD'GDTSSRGADLNHAFR'VSVFYSVGSICFGSL
FVGPV'RILRQFSVFFR'PPEEVHSLMTLHECMH'CIQSCLTNCV'ESLARRFSPWSFTYVGLY
GYGLIDAGLHSAEL'FDKRGWTTIVSDDL'VPNVLLMTFTITGLT'GVFAHLLQRFESLALT
ASQEPLVTP'FVVGALVGLV'VSSVLFGIIS'SSVNAVIVL'FATSPVDFEQNHPELSEEMRTA
WREVWPGCMDV'VDLRVQVAGFLDPTMTGSMR'GQPVYNAGLSSSYRAQAETHPLLR

>comp8969_c0_seq2; 589 306 2681 LEN=3339; translated
MVDIT'TGSVDDGIATPPSVEEDTAAPKDSTPPVLRSDNSHTNSTKASKKSTGSANSSGSD
RNGYPSQIVYNSNPV'PNGHGHRIRMQPPPGSPG SYQLNDGTAAGYPPHPMHAYQLSSSPI
VIT'TQAPSGISFSPSGGNYP'PHMNP HQGGLPPTPPTLPYQQRQDLNSSGNGSRNPNGNL
GRSTHRRSNSYNGPQ'GSSSFFSPQGS GAPPLRRSGSKAGASTGGRQRANSEDFSPVAEV
RKL'TGTGAGVRPPVSPGH'RGSGSSRHNRKASEDQMHMSYPGPMFPTSFTGGSSS'PLEQH
SQRNYSYQ'NQPPQPMIYNRGVYMGDSGDDSI'SGSVRSIRNSKETIGDDGSEGGGEAVFLL
NKNSSRKASRRGG'SRTKRRHMRQ'HSQAQLFMEEVKGTEQLPSCRDIIFLL'LVFVHLLGIVY
LGRTY'GNEALLIHDESLEESSESSVTIILMNM'IYLAGLSGVFAMVVSGLTLLLMATIANKI
VQIAIILSIT'FSFLWGTMGVGLTP'KKIVPITGIIALGLSVAYAFIVWDRIPFAAANLNAG

LSGILANPGAIFVFSIFQILSLGWSVYYIFVGFVYDAIQEGEIDESFEGAGYVYFCLLG
ISYYWTLNVLNIVQVTVADVIGKWWYTPDGDTSRSGADLNHAFRVSFYSVGSICFGSL
FVGPVRIILRQFSVFFRPPEEVHSLMTLHECMHCIQSCLTNCVESLARRFSPWSFTYVGLY
GYGLIDAGLHSAELFDKRGWTTIVSDDLVPNVLLMLTFTITGLTGVFAHLLQRFESLALT
ASQEPLVTPFV

>comp8970_c0_seq1; 152 1 1488 LEN=1588; translated
XSYLSGTASINPXVNSSIYCNGSDLSFRGTLGGYEPSAEWLLAPWTLTRCITVIVVQ
SVVGDGSYARQHRATEGMEENAIETDRLHVDALLLYINFLDLSLYLSPGLDDPDHNGMP
LAVQHKQQQQQRPKPRGPVAAVVPSSVGFVHIGKTAGSTLSKLLRNGCHSFVPKPCRVV
PNETVVSELVESYYHVPDFWRLPASRHGSYVLSVRDAYERTVSALLYNHPENVAHYLSVH
NLSESVKVQSRSTAYRCFPTLDAFAMLLERGNTTDCDYPRDHSVVDAGNCSELACAVSC
PRFGIFEKGIQTANADRSIDRSPSLGPASSPPLVLCVFPAGSHQTPVVFVGHASVPQAIH
HRVRFYRHLFFDYRNIYSKLPKDPKRWYAIRQESLWHDWSGVNAAFGRPVATDQGGPGG
QLTDERGTGGMDLPVTRDISGEGRRKLCLEGEYAAAYFRILKAAENLGPGDREESRIA
VRNCPGVESLRTFSFE

>comp8970_c0_seq2; 180 1 1309 LEN=1409; translated
XSYLSGTASINPXVNSSIYCNGSDLSFRGTLGGYEPSAEWLLAPWTLTRCITVIVVQ
SVVGDGSYARQHRATEGMEENAIETDRLHVDALLLYINFLDLSLYLSPGLDDPDHNGMP
LAVQHKQQQQQRPKPRGPVAAVVPSSVGFVHIGKTAGSTLSKLLRNGCHSFVPKPCRVV
PNETVVSELVESYYHVPDFWRLPASRHGSYVLSVRDAYERTVSALLYNHPENVAHYLSVH
NLSESVKVQSRSTAYRCFPTLDAFAMLLERGNTTDCDYPRDHSVVDAGNCSELACAAIH
HRVRFYRHLFFDYRNIYSKLPKDPKRWYAIRQESLWHDWSGVNAAFGRPVATDQGGPGG
QLTDERGTGGMDLPVTRDISGEGRRKLCLEGEYAAAYFRILKAAENLGPGDREESRIA
VRNCPGVESLRTFSFE

>comp8972_c0_seq1; 432 56 1995 LEN=2301; translated
MAKGSSTRRIAABAAYCCVAVSTSIANAFVIPTSHSTPTLTGPTTSLSRHSATQLPFSRPF
EASTNDAKLQRSITYRGNMNEAATASLPSSFSSSLSSDQKSVLSVGLWCLTDIAFRRLF
VKLNLASKFPSSLAGCGVLSVLLSPKPSPPSKEGRLHRLLSPGAALLAKWLPVFFVPS
LVTLPLVGGIDSLGGPREEVGMHGKHKCIPENAVGLDWIGLLCFCFSFGFCYPIIFLVVLT
IFTNHVRIAFGMIRMVHGRSNDKNPNACIIAFENTRCSPGGILFYAAYDGGSVLGVGKL
MGDNQATGNDASKTPEEPPATTTASEEDAASDFASSMPEAPVPVAKPFSDDLKRLRIVA
IFSGLMALEGASPVFSSAPARLLVKLQTPILSLLLSSTLAGFVYGSRMKPKIKKVHPL
VTCTTLTWTVMKVFVSKCVDRSFGSMLTSYKVGKGFNGLYGTGPGDVLLFLLGPAVMSLAI
SMYDKRDLIRDNFAQIATAVSVSSLGGFLGTAWMVRMIGLAQPSLRVALLSRNITSPLAM
AIAGLLGAGASTVSLAVALVVVTGLFGANFGAASLTAAGIQNPVARGMGIGAAAHLGLTA
AFVDEKDAFPFAAISMLTATACTCLVSVPVIKKAVLHIALSGLA

>comp8972_c0_seq2; 528 56 1774 LEN=2080; translated
MAKGSSTRRIAABAAYCCVAVSTSIANAFVIPTSHSTPTLTGPTTSLSRHSATQLPFSRPF
EASTNDAKLQRSITYRGNMNEAATASLPSSFSSSLSSDQKSVLSVGLWCLTDIAFRRLF
VKLNLASKFPSSLAGCGVLSVLLSPKPSPPSKEGRLHRLLSPGAALLAKWLPVFFVPS
LVTLPLVGGIDSLGGPRELLKTLAVVLGGFYFTLLTTAGSVLGVGKLMGDNQATGNDASK
TPEEPPATTTASEEDAASDFASSMPEAPVPVAKPFSDDLKRLRIVAFIFSGLMALEGAS
PVFSSAPARLLVKLQTPILSLLLSSTLAGFVYGSRMKPKIKKVHPLVTCTTLTWTVMKV
FSKCVDRSFGSMLTSYKVGKGFNGLYGTGPGDVLLFLLGPAVMSLAI SMYDKRDLIRDNF
AQIATAVSVSSLGGFLGTAWMVRMIGLAQPSLRVALLSRNITSPLAMAIAGLLGAGASTV
SLAVALVVVTGLFGANFGAASLTAAGIQNPVARGMGIGAAAHLGLTAAAFVDEKDAFPFAA
ISMALTATACTCLVSVPVIKKAVLHIALSGLA

>comp8973_c0_seq1; 554 306 1850 LEN=1966; translated
MTAVNVSHGFSSSSISSIRGFSSLLLSQVCRSDTWSVRRWARKVPEFTVDDDDNYDSGS
SKRRVYAPPDFTIDDDSTDSGLGANKNDKRSPKISVAKNRLDVQKRSANSKTIRRPARRI
KKVKASEAPSMVGTSMQKNAQFSNEDANVSVEDDNTESPAPRKSNNKFKREIGDTKTFR
QDFRQTRVFDGIPPGVSWQDLKDFHFEAGNVVFAVSVIDRTTGQSKGHGIVQFETTTMA
QNAIHIMRDFPLNGSSLFVREDVQQNSNPDARLRSNSRESRAANPPTKWRCANEDNAEHM
SVDELQAIETLIKRRDSDRKRNYVLSDRLRDDLKSNHGVFIDDRKMWWTSDGKVPQ
SIQDIKGDGRWNLKWPWRQIPTTPENDACINPDFVEGLLKQRDIARREKDFKTADMLLEQA
RTSPDGFELRIHDESRTWRAWTETRPPMNRPYEKQRTGMPSPDVEAKRTAARECAAIK
EHAPEKLEEIVQLKRYPGREFQVLKRLRQOYL

>comp8974_c0_seq1; 161 1 581 LEN=968; translated
XMFYVTDGGTKAEVKICNDSCRNQGKKYFTLMCAEEVSGIDNIVHKYTCGCIDELETELQ
TTDGTCSGEDPYSAQPVRCLPDRTKDSYDFGYMDWLLSPTYKVEDEDSGRRLTASFST

NSGNPLQRHLQESGNQEDTRGSFGTKVLLSGEDNADAVFGNLAAPAADTGAVPSTAMASA
AGAVVAAAAASLV

>comp8974_c0_seq2; 274 1 1299 LEN=1597; translated
CCHFNEGQCWSSVGRDPCYNYNFLLEGYEGWKDGAIVYSDPPSDGKWEICEKVTVVFVGA
VCITQRAYEELAKCNHIVNVFYQLLDNDADGIPDDEEVWTFMLRNRYMLFVPATGEESEE
LWSKLPDVSFRFVMNARTNEAAPNSCQVPANRGASNTDRSTWQNFVDTYNMDCSLQRDNI
VEEIFHLIQRAASNLPWPSKWGTNFGSEAGA AVKAANGDCGFGYSNNYIDPSTNECTGQYA
YWDVTCNEGCTVDEGEVHWASITYIGGLYLTLEKTYWARHNFMLCTPDKNMEVHPKGYPAI
SLESGSPALYTLVSDTTSEGHKWLPLVMPDGKYQGFLAPVPEFEDDDDPQTETPTFYPTF
YPTESCEDDTSFKFKNKNKKMCGKKWLQKFTRNLLKGRKRKLIKLCCKKSGKQRVYDFCK
ATCALVDLGP

>comp8974_c0_seq3; 311 1 1320 LEN=1632; translated
XTHLTPTXESTRNLVHTHKHTQTYTNIHGVPKVSIIYELHPIGYGSDEEGDPKLGAIEN
DDGSKVKLTLHVEGIFQPGNAHEIELFTNVPHGSECVCGDKLEHNEIKVSSKLVDDKSD
IDLMTQDGDVKGFEIEVPPYDSEAFVAVNDQNPKIGFFDACARVSYKHNDLYEQEFANDN
MCHLYDLNYSFVDTHTFSVEFNKEGNFQTFEKESIKVVTPYISMNDEDETPVALEAFLC
GPDGSGNPNRAYKIGQDFAICVRPVAEAI RNVEADGGFIAVDGDFVLCADSLVSSGEH
KDLTDVITDVEDDYIRITDQGDLENAGTHAAAFKTVLTPEIFYGSYANGDGVTHDFSCAGV
ATMGYSDPSTNGRDLRLHLQESGKKEVTKFSFGTKILVSREDEDVDSIFGDLAAPAADTG
AVSSISIATAAGALAVAALV

>comp8975_c0_seq1; 551 70 1932 LEN=2879; translated
MKTRFSTILLLSLGFRLGDEARKSVASAASKANDLERKKSTRIAVIGGGISGSFLT KYLT
DFDVHCSIDITVFEPPSPNDGTTNNSGRFNQGSRVSSHTLKDGTVVERGASILFGGNKL
VNEMIEGSLGDDISDRILKKINPHGSGGKGLGIYDGVHSTSTINHNEGSLFPLWVNTTK
SETESHMMWRYNLDLWRIHQATQVALKSFEEKIYDLDLDDVDHEDTFFESPDDIWEKVGLSH
EASVSFDEYLDEIGVSSSMAWRRWFVVESMAKQGLVRSELYTAMNICNNNQLNSQMTGLG
GLVNSIAGTGELFAIEGGNDKLISSAFRQADRIRDKTCGTESSNKTIRRLPIKIQTLVSA
DLESQQIELFGEDGKLV DSTPYNI VVATPLQFSGIEFMGKGSVFDEGLLYIPLNEMVD
SDNSDANIHEHVHSLGGHHHLPSSTKRPTQVATTFVSNAKLQPSYFHLEDESSDGLPR
SILFTENGRTEGLSSISRITEGVYKVFSSSELSELVEDIFGKDAIVEDTKVWGGRRGG
ATPAFNGGGESSRSTNFFLYNGGKHKSSRKTNAIYYTNAMESAVSAIEISAIGSKSVAKL
IARRLGLVDPKRGHTTGDEL

>comp8976_c0_seq1; 536 83 1699 LEN=2053; translated
MTESDILEQSSGLSNYARPOIAILDGFSQYSHLIARRVRELVNVCYCELYSCKVAAEELGKH
ELVAVILSGGPSSVYDEDAPHVAEGVWKLIEERNLPVLGICYGMQELAHVFGGEVQKGLK
HEYGKSIVKR VAGCESKIFDGMPEEFQMWMSHGDKLTKTPVGFAPVAGTDNAEFVTIENL
EKRMWGLQFHPEVTHSPLGKSILENFCVKIAGAKQDWMADYAKEFVREVRQQVGEHVI
GAVSGVDSTVA AVLMTQAIGDRFHAVMVDNGCLRKDEAKNCLGRMRDECHVNLRVVDAS
DRFLDKLAGVTEPEKRRKIIGTTFIEIFQEE SAKIEEEMGVKCEYLLQGTLYPDVIESIS
YKGPSATIKTHHNVGGLPASMSLKLIEPMRELFKDEVRELGMAMGIDEKSVWRHPFPGP
LAIRILGEVTRERVKILQEADAIVIEELYRSGHYRKIGQAFVLLPCKTVGVMGDSR TYE
NVASVRCVETTDYMTADFYHLPYDVMGMTMSSRVINEVRGINRLCYDISSKPPATIEWE

>comp8976_c0_seq2; 536 360 1976 LEN=2330; translated
MTESDILEQSSGLSNYARPOIAILDGFSQYSHLIARRVRELVNVCYCELYSCKVAAEELGKH
ELVAVILSGGPSSVYDEDAPHVAEGVWKLIEERNLPVLGICYGMQELAHVFGGEVQKGLK
HEYGKSIVKR VAGCESKIFDGMPEEFQMWMSHGDKLTKTPVGFAPVAGTDNAEFVTIENL
EKRMWGLQFHPEVTHSPLGKSILENFCVKIAGAKQDWMADYAKEFVREVRQQVGEHVI
GAVSGVDSTVA AVLMTQAIGDRFHAVMVDNGCLRKDEAKNCLGRMRDECHVNLRVVDAS
DRFLDKLAGVTEPEKRRKIIGTTFIEIFQEE SAKIEEEMGVKCEYLLQGTLYPDVIESIS
YKGPSATIKTHHNVGGLPASMSLKLIEPMRELFKDEVRELGMAMGIDEKSVWRHPFPGP
LAIRILGEVTRERVKILQEADAIVIEELYRSGHYRKIGQAFVLLPCKTVGVMGDSR TYE
NVASVRCVETTDYMTADFYHLPYDVMGMTMSSRVINEVRGINRLCYDISSKPPATIEWE

>comp8977_c0_seq1; 161 331 849 LEN=1468; translated
MAGTEYSDFDPPGEGGGAYSASLPTSNDSLTPREIVSMCMDCLQGGDDNAHATDERAGL
EICYNFSSDACRTANGGSLESFLQRANNPVFQTMVHCEKWEVENVGPEIMGTNTRGAMQT
VLVNVVPSAAAGGRRDRRFLWTFVRRERRPPRQGHFLVHECIAVDNAFALTE

>comp8978_c0_seq1; 321 1 478 LEN=806; translated
XVGVGVAETE GEGVAAP IAPMGDDGATAMDVVHDANDHPPAAAVMAASATATATTTTAA
LVATHPQAAEATAAATGASAVMPTLP IKAETEDDALTAEGEAAVQVVDNALLDETA AVAA
AVPAPAVGTNPAGASAAMHPAAPPDESMP TDAVVGQIEV

>comp8979_c0_seq1; 185 178 729 LEN=926; translated
MVQGSLEVDPATKPAVSTGRREPRDLRGSTKYNADFKWKHEKSVVGALEVETNPPELDLRA
EMIRHCVPGYGPQLNAYYEVFKELKLRDEFIKAFESIPPVTTCCGKVTCQDETIKNNAKL
LNKGWVKATNKKLFKHGFRLSIFVWRWSNVAGKAETVIPMIRFHTLSEQSDSKRRRSPTN
ADC

>comp8980_c0_seq1; 232 218 646 LEN=909; translated
MMDTNESSMRLAAENLEKTMSMATASVLQKLDSPIIIDVRSKEVQASKGGEPVRSIHV
PLNVDGQPQGTHTLTKDEFLEKKAAGVDLSPGNSYITHCTAGNTDYIIGRGARAAALLRD
LGYDKAHNGGSANDIRTALHTE

>comp8981_c0_seq2; 510 1 2415 LEN=2443; translated
QQQQHYQQRPPPQQQRQPHPAAPHPQQQQAIPHGAATPQPSALQPVPAPSQPSGENKR
RNEAANKVLVTRTPDEETEDGRIRNREAMAKIRDAWVYKQVRERAREFTEYRQSTIFVGT
WNVNAKGKEESLREWICGDWMRHNLMPDIVVVGFEIIVDLNAVNVAVGNKTEQRTQYWS
QLLQTLNPSHNQHGQPLAPQYSLVMQSRSLVGLLILCLFVKVQHRPRCKAVASDSVGVGVMG
MMGNKGGVSVRLQFYDSNICFICSHLAAHRENVAGRANADFLNVLQKTSFEVGGEEVVRETI
RNGSMSQWALGTSSVSATDHDVFWLGLDLNRYRIDESMPVEKVLLELSIQKRLDPLRPLDQL
NVERKEGRAFGQFEEGVLFNVPYKYQPGTDVYEQRPEKCLRPAWCDRILWMSPPDPQH
IQQLTYNRSETPNCSDHKPVYSTLRCTVKDVVVEKREIRYKELLGLLDQFENQSLPMVGL
DTTELDFGAVRYEQSVTLPIRITNTGKVCAYRFVTKLDENFLCKSWMTITPTYGMLIPG
ETAATINVTVTIDNKTAQLLNGGREVLDDVLIILRLENGRDYYITVKGTYARSCFGMTLDE
MVLYKDPDIRTIPLDPIERAGQFPNESDISPSNALCIPKELWRVVDIYKGLQTPPELFST
AGIPAEVAHIREALDTGSPFSSPYSIHSYVECFKLLSSLSAPVIPPSMFPMVEINSENI
QMSRKFLEVLTPVHYNVLVYVMSFFREVLLYRDRNGLTAAKIARICCCQCSPTPANVVL
ETTMVQRQAGMHLILLHLLLETSSI

>comp8982_c0_seq1; 189 68 433 LEN=832; translated
MSPVESSTVSRDECLHLNDILGSKTLSSCYNLKHTLKDREDSFHTNQGISEDDTEHRSSW
LMPKMARRMTTKSRYHVSNNRPEVKVDDSECAKLRSLLEKMGNIEDAQEHLPAAACKMD
H

>comp8983_c0_seq1; 218 180 910 LEN=910; minus strand; translated
MKIVAPLVFLFPKCVVLCARTYDHLCAKPAVNGFLRRGPLRPEEDCPTTWFLALSFWET
TTRPVREEVFLVLEGSRANGFQQALQPWSNAGMLARALGDATKDGESGRCMGLDVGESFFS
FWSISFFFSLRDTLGMGTSKDSFENFDFRRLPSAVFRKNQDSRPVRSDFDELVGSQDGGP
VALEGVHLSGRTGWGGLMDHVFGLVAVVIAVCACWVCVIPSSWLRMFRFPMGLCSVGCCH
EELF

>comp8984_c0_seq1; 408 151 1881 LEN=1921; minus strand; translated
MEVSKAIRANSQKCFMLSTSTAETLSEKLTQANESITFIEDVPRTKRFRKDITPIQEIK
LSSTSTEANDLVSKGLDKVNKCEPISNLKKTDMQKILAKMTQSNVTQIEKNWALESEGMD
PNERDEINDEIHCIPSCRILKENPNIITRWSISLRNLIQHNVNQELNNDKSLAPITKQAY
KIAAFELKNTYYIILSQPFLRLFLRAELFDVEKAALRFFRYLDLLLFFGKGALTKPLQLS
DLSSNDISCLKKGACQLYPRDRAGRRIILSYIENGSTNYRVLLYMDVCSRDETTQKRGL
VRLHPPGRMPMRSTSSQARENLVTHPEDEAEYIQNDPMDLKIHKLDEGCPLRVSAIHYC
FPDAPNYRARKAYTLICMTSDERKKVRFHIGNQIKCEILQSYGISSWNTPVTTSGTIKT
KVIKNFLVARSAIEKYSTTQMQFVCGEETTMNGPGGECPLNCVLLGGKYFYHYHPANVM
FRELMMYSNSVRETNILNEMPVSSFQCYIQSLIRTAMSSEYKMRFLKRDKESLLWTEYDN
NSHELYTKISQMLRDERKRCGRSERGGRQQRKKTCD

>comp8985_c0_seq1; 62 1 242 LEN=803; translated
XSSSEREGVISEEKVVALLEDALVLPNSPEARRIFVRLEELKEERELAAADPGDRSQ
TSSRGGVTVTRTKGSDSAKQ

>comp8985_c1_seq1; 431 1 994 LEN=994; translated
XPRPRRGCGHSIHPTSMRLARGKHSPSMSSLTAKGDSAQPPILPKTSFSQKRNSVFTQR
RRTAFNNLVCHRGFSTTDEEQTYSSQLLTMATARQLKGDVPEAIVLASKALLILREKQL
ADADDGSGGGEEAAAVVEEELADALLFLGKLLQLAGNFADASRSFEARWIFHACCQKRH
DQEMPTQNPSKRPNPVIGIRKKECSALSHLAFQAQSLGQSPPPPGRTSSEETNDNSDR
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>comp8986_c0_seq1; 492 36 1346 LEN=1970; translated
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EAGLRCQALSPREMAVLWNKLAANCVINPLTSIFRCTNGELLMEPSFPQLREEILAEVA
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>comp8987_c0_seq1; 574 350 2362 LEN=3080; translated
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FQFKDDDNSTETVKTATTWKSRRNRNHENGGLEGILRNKTNMHDEEEFGTINLHDQAE LGA
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VVAISTFVTFQFYKYNWGKSDKFKTSDATPKDDQANLSPAVAPGRNGHSPTTQTNVGHIP
SQPGNENDFEYVPSSSDVSKPVS RPVTS DVS RPIPVSVFDLLDRPTQK PATDYIGMLMEF
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YYQHYKLRES

>comp8987_c0_seq2; 574 350 2362 LEN=2890; translated
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SQPGNENDFEYVPSSSDVSKPVS RPVTS DVS RPIPVSVFDLLDRPTQK PATDYIGMLMEF
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YYQHYKLRES

>comp8987_c0_seq3; 582 350 2503 LEN=2765; translated
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SQPGNENDFEYVPSSSDVSKPVS RPVTS DVS RPIPVSVFDLLDRPTQK PATDYIGMLMEF
LQDNQVYFDRDPLSPDFMAVQWLAEAEVRETEENAYGNGLLELTDKLIQRFAVITLDYAL
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NQFSGTL PDDFGLRSVSLRFLYMDHNEFTGTIPYSYTTVGNRVEALAFNHNQLTGWVPG
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>comp8988_c0_seq1; 365 177 1220 LEN=1303; translated
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KEMAEMYSLLKEQGHLRLFGAITKENMPASGSHNVRPKMLEAITSLSMSSLTPQPSNTLL
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RHEAGHFLCSYILGCPVEGYVLSWGALEDPRFRGLGVSAGTSFFDPDLSSQIENSKITR
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>comp8988_c0_seq2; 525 177 1652 LEN=1712; translated
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RHEAGHFLCSYILGCPVEGYVLSWGALEDPRFRGLGVSAGTSFFDPDLSSQIENSKITR
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QARWGALQSVLILREYKECYDALVDTLERNGLGDCIYAIENAAREHDLQPLRIPLGYIS
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LRDIDEKLEGL

>comp8988_c0_seq3; 472 177 1761 LEN=1821; translated
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KEMAEMYSLLEKEQGHRLRFGAITKENMPASGSHNVRPKMLEAITSLSMSSLTPQPSNTLL
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RHEAGHF LCSYILGCPVEGYVLSWGALEDPRFRGLGVSAGTSVSLVRNYLHGCISKRLR
LPLRCLVQRTNSQILHTLQFFDPLSSQIENSKITR SAIDRYSIIVMAGIAAEAVMYGKA
DGGAGDEQALIAFLSNLNGGPSLSSAPVWNEQTIRNQARWGALQSVLILREYKECYDALV
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>comp8988_c0_seq4; 277 177 971 LEN=1412; translated
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KEMAEMYSLLEKEQGHRLRFGAITKENMPASGSHNVRPKMLEAITSLSMSSLTPQPSNTLL
YAGMGVALLESIASGFLGLDLNAVFFATFVGALCDQVFLNGAVSETCVKMLSPETQPKIT
RHEAGHF LCSYILGCPVEGYVLSW

>comp8989_c0_seq1; 368 1 2342 LEN=2734; translated
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RDSAVPGTSSKHKYRKPDLQRQPSLKMNERVPSDCDRPYARRTSESSRSVDKRHTFAH
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PVSPESPQNQSSRSHRPSQVDEYSRQATISSEQSCQSTEYSHREIESSASRLVRSMDRDRQ
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ERYSENQTSSRNPNVANEPAPPDMPSPFDENYAIIMESRHKMLLSRQRTLLSRANRGLQ
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GGSSSHSRNATKPSLLPNQEEIPPRGNLHSDPQQGGSKSYHCRRSKPFRAPSRQHHPRS
PSGTWSGNEAPHAENCRPPIPGLRISPERGPPFAVNHNEATKLPKHKQVAPVLF'TTQPA
FRYCMALPPNDRHEQQKAVLDRLSAVRAARLRNHNHYGDASGNASCRNLTSQKLEPIHN
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>comp8990_c0_seq1; 935 372 3098 LEN=3098; translated
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NNTQMERVTFHLHSRVCHFGLDYTTYRFRKVVVEHLLLVAICAGALVMLHRTFVIHNAS
TASAHMHWSANSNGIVPARTCLDLLKGFDPAAADITHLVILPQNLTLVGNPGGEDVDDTS
DDGNGNLASATKSRVLWNRKRRTHCNF DNKNKNNKMSDKPSECAATKGSNESFGHALNAL
GVEAADNNDDETTLAYEQWLDQQLASKTLDVRYSYSTTKAYLMLPRDHPWLWKDDMMLDV
QYVLVAPDDPECFGEFVQFLLWRSFVGGNTVLLNWIRTFPSYQRQPHDSVVVSGYVFNPR
TQWLRELDATTLEGTRAASEGDDDNKDPGGETFQSCSRRLARWNRSFWIKAGVFLRTSFL
FFFCTTLVSFTLRETQERMLEFTQELSRVRQSI SLSDLITTHLAQNLVFPIMLGMFF
LIEFYNGDKFLAFGISSIVWCVEGFMSVCLRSSQGLSYFPYFFLLFLLFHVYQTAFPDH
GFVYVALTVVWCFILHSMFFFWHRYELPALVLGAVTIDRPRMNVNMENIGGTINMSNTGN
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RSGNGTSATFLPSNQSFSLSTASSRRTYGLYQHNQEDDGGSTGSHLYFMGGEVVVHRPTSNS
ARNNSNPTTIQNVNSDLSLPPPTRSWAITEGGGPRNVVLSRNE SNF SLLSSTSDAYGSGG
FNGNGDQEDEDHLSAPVAAAADHHSDFGSLPNDTSL ETIPVSNLSTPQKHPRSNGSTH
DAGTDRINHAASTATVSSSEDYAHESGGLQAI FESKLT'PRVRNTERERASQCVLGMAGQPQ
LPEQQQQQQ

>comp8991_c0_seq1; 561 82 1629 LEN=2306; translated
MTTKRKGNAKTATTVAALVGTVLQ PASTLRPPCSPTSSMRQRRLTTSASVLASGSVVRTG
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TEMTKTIGSEGRDESGERHDGATAIYDDGDTSGASNPNFEIPLAVVDVDGDSQDNDES
RLVISSEKLVRFLEQEEAPPISILLLLNLVAVIWGSQHAIIKTVVEDSDPAAFTFLRFGLAS
LIASPYLPGVKEIFQKTTSPTESNITTRVEEEEDLWKPWRWGIEMGLWMFLGFSLQAI GL
QSTTAQRSGLLYLVNKFVPPFFAYIILLGRQISKWTWLSAFAAFSGTALLALDGE SLGLNV
GDIWSIMAAAASAMFILRLEKASSEVTKASELNATSLVVVAMLSGAWLLLGGNGGPQIAS
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>comp8993_c0_seq1; 373 115 1385 LEN=1558; translated
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FDIALSCIERGMHVMVTKPIVQTLDDHWWKLAKAAAEEKGVLVGVVEVHKRLDPFFYADARDRV
RGGGLGNFQYMYAYMSQPKHQLETFKAWAGKSSDISYLLNSHHIDWSEWTLAGVARPVRVT
ATGSTGVAKGKGMDETSITLTVQWQNINDKTLGCAVYTSWAAPKSDVHSQQRFFFMGT
KGEITVDQAHRGACVSTDAAGYASMNPLFMKYTPPTNGMFSGQGCYGVKSFENFIDACSNI
NSGRTPSDYDDGSLATVHTTMQGTAILAAGRKSLDADGRPMDIQYEDDASMEPTGIKPH
EFA

>comp8994_c0_seq1; 432 184 1275 LEN=1668; translated
MYIFTHLVFFLSICHSSASSFASKECGMASLSRRCQGNGLHAEPTTKEDKVGEESAVETD
QNDIYLAQPTQGGYTLKQRLREEIDSPFRKVRLAAAFAGSFASALIALYFSALSTVKA
GGYSDAIPLEALTSDAINFALVVCFFTYREFQNGQKNLEKIARAGKLASLVVEPAAR
LANSKRQLLEVKSYYRRTNRVLIAGGKGYISALAKSLASDQLKDTNILPEKLEIDFVIV
PLLENKNGNIVVGDSTRAFWRDGVVATVTENDRNFDINRANDVVAFVQGPNAWIDYLT
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GGP

>comp8995_c0_seq1; 468 1 1828 LEN=1828; minus strand; translated
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DNPDPISRLLENLDIMTVAPFGTDESPVSLQHASSKIPVDRSRFLDRIRALSVEPTNR
TLFGNPISSNPTIAPSGMPGTLPISAISYNSFKLFLAVPDTWSKSKLEETLMSILSTL
GSSDSPSVHTWSKSKLEETSMSILSTLSSDSPIVPEFKFMTNEIKCENENRSKTKCY
ETEIEVIPDISAGRPIQVRSILEKVASGEVGEVLKEEGIVLDAKAILPRDSGVQTNQPS
HSPSQTPLHPSKQQSIFVSSSLFPHSPSNRPSLFPDLPTSTILPSIVPHSSSSHLDA
SNEIQSEIPALPQVSAKHSSEPSTIPSWILRPIPSSTFSSQPSLMPNSLSSLTHSSMPT
SLQSNTPSSLPSAEFLSTQSLTPSSFPPTLMQSSKPSIIPASPSLIPSTVPSSMP
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>comp8996_c0_seq1; 336 1 699 LEN=841; translated
GARLLLQRSakeagldernlrnlqdITKpRlFPDYEWSSGRRGHNLPGEPVPPSVSSG
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QQQQQRADLLVLKQMSKTADPQYVPELRLRDDLDNVYGSDDDTFRKRSLDDLAAE
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DEAIF

>comp8999_c0_seq1; 201 1 340 LEN=1626; minus strand; translated
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>comp8999_c0_seq2; 201 1 340 LEN=1508; minus strand; translated
XIELGIELGIELGFELGFELGIELGSELGIELGFMLGDELGNLLGMELGDAEGSLD
GIELGVALGNKLGEEELGKELGAAEGIADGARLGASLGTELQELGMELGIAEGITDG

>comp9000_c0_seq1; 1151 668 4784 LEN=4889; translated
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RLLKKNVNAEF FEDNCPLEEVLESLSSEENLTVASKGGDHEVASFAKTYRKALVDR
DLKTMFKPLDDWQGGTLDKTIYELTLGLGHARMIYNKKNSEDQKILNAPLIEVPVEI
DEESLKVVVPVPGSRLKWNGEAKTALLFAGGRKKKILSDFQTLVVKAAPKDVVLGDP
QTYLKFVEKASEFCWHGEIKKPTDDSLHEFPQDSGALVLTAGWCLFVRPKRSNSI
SND AHLIAKTVEATDFNLSLPLRSLVLG SNNEISEKSEPLEDGSGLPVLPLP
ASKSQLEMIRKVFVSKNNDVTLIRGPPGTGKTQTGLNMA SVVLQRGFDCLVTS
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SRVVRGLKVRRSQSDFREHVHNSLVNRGFPKTLIYGPDDVTVRQEF IENV
TGLYESVDGVRKDLDDLQFLEDVSSNRKSQEVLRDFSMRLRELKVELVYATIARNR
SGFTGLDLGNFSQLKELT LIMKDS EIDA AKASDATKRKA AKFAEKFRKSLG
CMLLLMTTDQVSRYIPVDHRFRLVIA DEASQSPSSTALTILSRAKQAVVLGDS
KQALPTDDLTEESKALDKCSGDQKHKLNDFLPGNGNSLYEVCLSRFAGSLGML
KDNFRSPADSI SWSNTEIYSDQIQACRPNRSRPSRLN VTRNGTEEMAQFLYD
IVEDTLSSIDNEVPTLGVIMMGQKREAKAFKEVLDTKLIPL ENQYGTEAVGRH
CIKVATPEEFQGDQRNII LIGCLPENS KVPYETSPDCRRLWNVATTRHKRE
SII FSSYDLNRIKKGDIKHKIFFMYKHPETRENVRPFKAGKTDIR SMAEDRL
FDQLASHGYETRRNASEQWKNALSIGLKNLRS DSCQLVSIENYGETADDWRK
VVHQEGLEELGISC LRVDALALSLNFQAVFEDVIAFLSKAGLPPPTNFVSDK
SDAASNATTRTSDDNISVSDST

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>comp9001_c0_seq1; 266 78 791 LEN=1543; translated
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>comp9001_c0_seq3; 249 78 903 LEN=1655; translated
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PGISYADLYTYAGVGTSGQTSFARQITGMNKRKNERSVHLTFSLSLSSFTAVAVEESGGP
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>comp9001_c0_seq4; 364 78 1158 LEN=1509; translated
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PGISYADLYTYAGVGTSGQTSFARQITGMNKRKNERSVHLTFSLSLSSFTAVAVEESGGP
KIPYSTGRVDFEDGSTSDENDRLPNADYGGRDKNVESIRKVFYRMGFTDGEIVALMGAHA
MGRCHTQDSGFWGPWTF AETTF SNEYFRLLVEERWSPKTMHEGKPWTGPDQFEDSTGKLM
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>comp9001_c0_seq5; 381 78 1046 LEN=1397; translated
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>comp9002_c0_seq1; 1082 1 2736 LEN=3699; translated
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GVLDLGSVDQEHQQWCLVRCGDGQSSGLMIQSLTTGDRLAITDDGKITLVPASAPEDSS
VPSSVSGLVWEMECVTGELCFLSNPALDVRVRCDMAGLLTLPNWKGWEVVRILESSGDG
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LYLTEKNLYVTCSKGVIFLTENEGDEGSDWIMDQQKDGGSVFRSKAHGLYLSYKETENN
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TVTELGVSA MEPSALWKLEPCTPRAVSSEKLTFAIGTSIAVGTTIAMPFALAGVAAM
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>comp9003_c0_seq1; 414 153 1529 LEN=1691; translated
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WTPPEEDGRLKSSPGSIYRRPIRIPRYILEGSIESTLVSVINFNIALAFQLWSIALG
TASVTACNTTTTSAASTRKEETKRQRQARFSDIAIRLYTLADPSKHGSSEETGICPCTS
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>comp9004_c0_seq1; 129 131 547 LEN=547; translated
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>comp9005_c0_seq1; 119 213 740 LEN=1077; translated
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>comp9006_c0_seq2; 352 1 1316 LEN=1400; translated
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TVGSGFNLSRLVDRVVLKAHHDNMLILHDI SHKLYPFKSMCLVQDANLDLTI SHNNSRAL
DFDALFDDSDSDSDEEESDPDFESQYPPSQMRCLALVSHNGMKKTMREFVTANKNILKK
FRLTGTNSTMTMLTEVFKDEEPTVMFPGSCASGPLGGDAELVALMVSGKIGGVMMFFQDP
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>comp9007_c0_seq1; 474 1 1709 LEN=2268; translated
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SFKPFLG FVTALMVIALAMLS SVTVLCKDYKPMQMGLATTGPSAPPTS YCSSNTTINRK
ETEKNKELRRDNGRLKWHEKIPFLKSFASKLKKRRPAQR IKKAGNTNPNEILPSMPQDSS
GLFLWFGVGI FRISYGSKDSYSFKEVGNDETSSLSLERQQQLQVLEQFPTAFTPEIQNLT
PRQEALLIRMGN DVLESVDFDFERRSSLVPWGGSSSEVVTGPSFDWYARTTKHRDVSTPLDQ
INGGNLFSSYL RIMKWPNLGPTEFPFKLCKERKKKTGRNCDASVAIRHTLEFRERYMPW
LVTPGIKRANARGLVYHRNF SPAHPENKNGHAI VWLRLALKNKTENENERIYFVRS MIRE
FDRAVAASLIRSNGRLGKFNAVVDGTGFTWNSMPSISSVKALVAILQDHFADRLGVIILV
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FQVDEYYSNDNMGGDEEALKYLTTMPYHA

>comp9007_c0_seq2; 522 56 1734 LEN=2293; translated
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TALMVIALAMLS SVTVLCKDYKPMQMGLATTGPSAPPTS YCSSNTTINRKETEKNKELRR
DNGRLKWHEKIPFLKSFASKLKKRRPAQR IKKAGNTNPNEILPSMPQDSSGLFLWFGVGI
FRISYGSKDSYSFKEVGNDETSSLSLERQQQLQVLEQFPTAFTPEIQNLT PRQEALLIRM
GNDVLESVDFDFERRSSLVPWGGSSSEVVTGPSFDWYARTTKHRDVSTPLDQINGGNLFSSY
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ARGLVYHRNF SPAHPENKNGHAI VWLRLALKNKTENENERIYFVRS MIREFDRAVAASLI
RSNGRLGKFNAVVDGTGFTWNSMPSISSVKALVAILQDHFADRLGVIILVNVGSICELLL
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NMGGDEEALKYLTTMPYHA

>comp9008_c0_seq1; 404 130 1758 LEN=1839; translated
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LTDVDYEVDFSKCTNENDRVATIATSPLTRDEEWKEFERGQLLMFDGGLAFSELCDVHEV
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LVE

>comp9009_c0_seq1; 786 1 2331 LEN=2810; translated
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RASALAKRNPHLVSLSTKEPSMLALSCRSGAPYNCVKQILDAAPSKLRHLLDSRGTP LHE
AVVCDEIGPSVIAIYLLKLVDEELDLAADGTCNSLRAAMIQDVDGYTPLHLLIRRRFQSHVL
ADLDDNEKSHFIEILELLVKSCAEAIIVISDRGEYEEPPIVMAIKANVYAPLLPSEETTNA
RMERHIYDIVNCLQELHCPKAASRVFSGYRGQY TALHSAV FHGRCPTDIE LLLKAEKESPS
NIDQKACILGNTQGLPLHFCAMRGEPPRTVALLAKAAPEAISQRDASGLTPIHWLWIRF
VSTLLAIDDGRGNAISVPLTIRTSRRTESNDTDTSRNFTFSSLEQDNFQADLM LLRKID
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MLTRLEAIATLFWIKVVSLKAIATDETKINVNDHEDLSLVRTAFENGCCPPLVGRIVA
LLFPAEFSQPDGNGRVTLHYAAMRPWHAWEPREDGTS DSASSKLLNLESASLLRNAMSL
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>comp9009_c0_seq2; 504 1 2625 LEN=2739; translated
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TNLP I RAKGHPFPVGPFFQNL TASLLDGSVTLTRLEVMQKRFHDTYSKRPRVQKEDFYRPA
KKGF LFSALEVSVFIEACVIRGIWQLGIRLLMPRYEIDTITEHIITLASWDPLLLCQIPVV
DSSCFKTI LLDLDFERMNSTEYPETGPIVILKDENSGYKYEYRAPIKPLPIDRSIELQLFEE
ISVQETVHQINQNVQAVPERPMKRI RGGGDDMVATDQQRNHLYLCDVPLIEWKGA VCTF
VQATGGDFISNGALMVGFVNR FIVSDSSDRKSQHKVEIEAFYVSGMGYVKDMKMYQSDPD
EVWIVDVSQDSEESRVVVKLR LQKLPEDYREEDQQA VIRK TMSADEHEEKRNPSLSNLQ
QAQPYEDRKENFQDLLQNGISDDQEELASALEDSRELKGSKIDDSFTDSLHLNFVQTHC
CTCDEQPVIKSANVTHDCPLCSLPFERYLVCATTKAKTKRNDPMPFTFLHGVGCALMSTRR
LNGQQFCLEDESIPGFLGEGKSLLLKIARLIPKSIKMP TTYRNEIDPLNSFSVFNSNQNYK
LWKNFVAESTCTHMLAQAFVTLVASIDRSKLP HWWSDRSSGWSTPYAVLMNTSLSSLYLH
IYVLDAAALSRMLS VSLKGNL SRSQSDNGLQKLRMEKYWRHAMAQQYTYL YEGEHKEECYH
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>comp9010_c0_seq1; 621 131 1792 LEN=1897; translated
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NAVQDVRATLLDTRGPEIRSGKLAHDDSGHETIQLEKGD TITLQTSKDYAEASTDKDLFI
NYEKLHLCMTPGMKVL LDDGAVILTVTELNDSDGSVVC SIDNSGELRSRAGVNLPGAETD
LPAMSDKDKKDIKYGLEIDVDYVAASF IQTAEAVREIRNYMKQCSEEMGIADRPLPLIIS
KIESQSALNHFDLILKESD GIMVARGDLGVEIPIQQVTNAQKEMVAACNVVGKPVIVATQ
MLESMKNRPRPTRA EVSDVTNAVYD GADAVMTSGETAKGKYPDLTIETMNNIILSAEHYS
ASGSLSGLNNSPNALPYMGDKSDPVTAVAEAEAVVASSANDCRAILVFTEDGRLPSLVAAY
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>comp9011_c0_seq1; 883 464 2743 LEN=2788; translated
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CDGKAVGSCGAGGSFGDLALLYDSPRAASCMAADDTKLWKVDQHTFRHLLARSAKELEGS
IIEVLSKIDLFKDLDRQTVTKFADVLNTVKYQEGQRIVEKGGQGDV FYIVKSGQVRVHDI
GLGDASFDDKVHGAGYWFGERALMTGAPRAATVTAMTDVDVFACDRATFESTMGSLESIL
GKASRKR FVKSVPIFSNSMLTDLEFDRLVSMLKVRKYNGQKLAEAGKVGDNPSLWIVKE
GKLMI TEKTGKIFFSSSGDYFGDKAVQADGEYVSTATCVVEEDTVCWRLK KSEIESVIGD
INRLGKPI PFTP KAFDSTIGIADIRKHKMLGMGAFGKVWLATTRGSRKPYALKMITKRQV
IEAGQVKGV LREKQIMASIEHPFILPLNGSFQDADFLY LLLPVHQGGELFNVVHTNDRDG
LDNDASQFYGACILEALGYLHARNIVYRDMK PENALIDKDG YCIMVDFGFAKIVVDKTYT
LCGTPEYLAPEIIMS KGHDKAVDYWSFGVLIYEMLV GQSPFYMYGTDQVSLFKRIVMVKY
QCPSYVSDDAKDLLKLLTRRQASRFGNLSRGLD IVDHPWFKTLDFAKLNERK LKAPFK
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>comp9011_c0_seq2; 798 464 2341 LEN=2428; translated
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CDGKAVGSCGAGGSFGDLALLYDSPRAASCMAADDTKLWKVDQHTFRHLLARSAKELEGS
IIEVLSKIDLFKDLDRQTVTKFADVLNTVKYQEGQRIVEKGGQGDV FYIVKSGQVRVHDI
GLGDASFDDKVHGAGYWFGERALMTGAPRAATVTAMTDVDVFACDRATFESTMGSLESIL
GKASRKR FVKSVPIFSNSMLTDLEFDRLVSMLKVRKYNGQKLAEAGKVGDNPSLWIVKE
GKLMI TEKTGKIFFSSSGDYFGDKAVQADGEYVSTATCVVEEDTVCWRLK KSEIESVIGD
INRLGKPI PFTP KAFDSTIGIADIRKHKMLGMGAFGKVWLATTRGSRKPYALKMITKRQV
IEAGQVKGV LREKQIMASIEHPFILPLNGSFQDADFLY LLLPVHQGGELFNVVHTNDRDG
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>comp9011_c0_seq3; 895 78 2471 LEN=2516; translated
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MLIDAMQEEKAPEGKMIITQGEDGDFFYICQSGKVNFI CDGKAVGSCGAGGSFGDLALLY
DSPRAASCMAADDTKLWKVDQHTFRHLLARSAKELEGS IIEVLSKIDLFKDLDRQTVTKF
ADVLNTVKYQEGQRIVEKGGQGDV FYIVKSGQVRVHDI GLGDASFDDKVHGAGYWFGERA
LMTGAPRAATVTAMTDVDVFACDRATFESTMGSLESILGKASRKR FVKSVPIFSNSMLTD
LEFDRLVSMLKVRKYNGQKLAEAGKVGDNPSLWIVKEGKLMI TEKTGKIFFSSSGDYFG
DKAVQADGEYVSTATCVVEEDTVCWRLK KSEIESVIGDINRLGKPI PFTP KAFDSTIGIA
DIRKHKMLGMGAFGKVWLATTRGSRKPYALKMITKRQVIEAGQVKGV LREKQIMASIEHP
FILPLNGSFQDADFLY LLLPVHQGGELFNVVHTNDRDGLDNDASQFYGACILEALGYLHA

RNIVYRDMKPENALIDKDGYSIMVDFGFQAKIVVDKTYTLCGTPEYLAPEIIMSKGHDKAV
DYWSFGVLIYEMLVGQSPFYMYGTDQVSLFKRIVMVKYQCPSYVSDDAKDLLKLLTRRQ
ASRFGNLSRGHLDIVDHPWFKTLDFAKLNERKLLKAPFKPKISNPLDTRNFDDFSRVEKEK
YRGKALSKKEQALFKDF

>comp9011_c0_seq4; 810 78 2069 LEN=2156; translated
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MLIDAMQEKAPEGKMIITQGEDGDFFYICQSGKVNFI CDGKAVGSCGAGGSFGDLALLY
DSPRAASMAADDTKLWKVDQHTFRHLLARSACELEGSII EVLSKIDLFKDLDRQTVTKF
ADVLNTVKYQEGQRIVEKGGQGDVFIYIVKSGQVRVHDIGLGDASFDDKVVHGAGYWFGERA
LMTGAPRAATVTAMTDVDFACDRATFESTMGSLESILGKASRKR FVKSVP IFSNSMLTD
LEFDRLVSMKVRKYKNGQKLAEAGKVGDNPSLWIVKEGKLMITEKTGKIFFSSSGDYFG
DKAVQADGEYVSTATCVVEEDTVCWRLKKSEIESVIGDINRLGKPI PFTPKAFDSTIGIA
DIRKHKMLGMGAFGKVWLATTRGSRKPYALKMITKRQVIEAGQVKGVLEKQIMASIEHP
FILPLNGSFQDADFLYLLLPVHQGGELFNVVHTNDRDGLDNDASQFYGACILEALGYLHA
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DYW

>comp9011_c0_seq5; 806 78 2045 LEN=2132; translated
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EKAPEGKMIITQGEDGDFFYICQSGKVNFI CDGKAVGSCGAGGSFGDLALLYDSPRAASC
MAADDTKLWKVDQHTFRHLLARSACELEGSII EVLSKIDLFKDLDRQTVTKFADVLNTVK
YQEGQRIVEKGGQGDVFIYIVKSGQVRVHDIGLGDASFDDKVVHGAGYWFGERALMTGAPRA
ATVTAMTDVDFACDRATFESTMGSLESILGKASRKR FVKSVP IFSNSMLTDLEFDRLVS
MLKVRKYKNGQKLAEAGKVGDNPSLWIVKEGKLMITEKTGKIFFSSSGDYFGDKAVQADG
EYVSTATCVVEEDTVCWRLKKSEIESVIGDINRLGKPI PFTPKAFDSTIGIADIRKHKML
GMGAFGKVWLATTRGSRKPYALKMITKRQVIEAGQVKGVLEKQIMASIEHPFILPLNGS
FQDADFLYLLLPVHQGGELFNVVHTNDRDGLDNDASQFYGACILEALGYLHARNIVYRDM
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>comp9011_c0_seq6; 891 78 2447 LEN=2492; translated
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MAADDTKLWKVDQHTFRHLLARSACELEGSII EVLSKIDLFKDLDRQTVTKFADVLNTVK
YQEGQRIVEKGGQGDVFIYIVKSGQVRVHDIGLGDASFDDKVVHGAGYWFGERALMTGAPRA
ATVTAMTDVDFACDRATFESTMGSLESILGKASRKR FVKSVP IFSNSMLTDLEFDRLVS
MLKVRKYKNGQKLAEAGKVGDNPSLWIVKEGKLMITEKTGKIFFSSSGDYFGDKAVQADG
EYVSTATCVVEEDTVCWRLKKSEIESVIGDINRLGKPI PFTPKAFDSTIGIADIRKHKML
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FQDADFLYLLLPVHQGGELFNVVHTNDRDGLDNDASQFYGACILEALGYLHARNIVYRDM
KPENALIDKDGYSIMVDFGFQAKIVVDKTYTLCGTPEYLAPEIIMSKGHDKAVDYWSFGVL
IYEMLVGQSPFYMYGTDQVSLFKRIVMVKYQCPSYVSDDAKDLLKLLTRRQASRFGNLS
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KEQALFKDF

>comp9012_c0_seq1; 360 70 843 LEN=1186; translated
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LKEFASIAIDIEDFCAAGSGSDSPAYTAKLGYVKDYLDWGFHRDADDRGYPSAGDEGDQDA
RFFGMWVPGNGLNHNETPNTVYKPTDRGIDLVALVDIAADDELFDYRRHGASSPWLKEF
SRVHNVTNLNFADCNDV

>comp9013_c0_seq1; 472 1 1479 LEN=1611; translated
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HGGPGKMVEEWELAAHPTTKRILLRDC TSRIAGILASERRGHAQPGPRIYVHGTRGTGKS
AVLASIVASARKSGCIVMYLPDGDRLRKNGFVTPSTHPDRAGMFDLQDLSREALEQLAD
SHATDLEGMVAGRETLEQFFKEAQLEKMYDRLSESAESAAGETTGVSLNDLVGYAREHKK
HAPMCYSAVLCHLTKHQTEKKFVLVMDFNCLFDHGHYFHMAYDEHVREAIPCHRINLF
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RAAGTADENFHVVEVPRFSSLEADHVLNFEAIGIGKLR LDRGDTLMNPQEV EFLKMASG
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>comp9014_c0_seq1; 552 490 2373 LEN=2827; translated
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>comp9014_c0_seq2; 546 490 2241 LEN=2695; translated
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EHMEEIGHNVVPGTGWILSEPWHWHVQPIYWSSVVLGALALIMLWVSALMDPGIIPPVSS
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HRFFFLFLIGISGMTILTTLCAFEVMLEAFTTTTPSVVLNDDGTIAANLTTFQRLWKVILS
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YTAACIPYPVSRRLPRDMSALVIPDYDNRPEHVWNGDDEGGDGGRAENAVATTPLTTSSTG
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>comp9015_c0_seq1; 264 172 1557 LEN=1775; translated
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SEIQHMKENQHKIAGNEWDPFDHSRFFDLPAAFATSFRRLDRALSQFRFECIENRGCK
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>comp9016_c0_seq1; 1233 1 5599 LEN=5643; translated
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YHCPGCRKRQTVNKAHGKVT RDHMADFAAKIVAQGLVFDPGSNPMSKRELQEKLMQVDW
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>comp9018_c0_seq1; 164 1 1622 LEN=1622; minus strand; translated
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DKVPKGILAQEYVKPPYFFAPEKGNKIGDTLGYRYESNEYGKEENPVLKKTTLTAATGSVH
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VIVDGALRSSNAKYMPPYIVERLEVKLIIDPGEEMHDVLMGPAGLGGGNTSEDRRTIYDM
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LX

>comp9018_c0_seq2; 187 1 1714 LEN=1714; minus strand; translated
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PGEEMHDVLMGPAGLGGGNTSEDRRTIYDMFVFDYHAPDPVLPVIVHSVAMDQYKTLFAL
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>comp9019_c0_seq3; 325 400 1737 LEN=2385; translated
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>comp9019_c0_seq4; 395 400 1983 LEN=2233; translated
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TQTELDPVVPV FADKQDIDPRHCCHIEDFAVSENRPKSLGSDKFLWETNIVALGVRHVDE
LGWVTLLRGPRARQGETGLTISDFWSGTQKYFDSKTRRPPPGSFNHVNNEGGWMGTRQQI
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>comp9019_c0_seq7; 314 400 1871 LEN=1871; translated
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TQTELDPVVPV FADKQDIDPRHCCHIEDFAVSENRPKSLGSDKFLWETNIVALGVRHVDE
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CDINNRI FASA

>comp9020_c0_seq1; 462 215 1399 LEN=1734; translated
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>comp9022_c0_seq1; 328 73 914 LEN=914; translated
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>comp9023_c0_seq1; 558 98 1177 LEN=1330; translated
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>comp9024_c0_seq1; 311 190 1251 LEN=1905; translated
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AQRHNLPLVIDADGLFLLTLPKYRENLLSNDSPVILTPNAMELKRLLDSGYTTKDLPEQ
CWIIEKGAVDYIRHASSTSETPIMVCREKGGKRSRGGIGDVLGACCGTLVAWNKILSDRE
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>comp9026_c0_seq1; 108 157 691 LEN=691; translated
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>comp9026_c0_seq2; 201 1 330 LEN=610; translated
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>comp9026_c0_seq3; 294 316 1917 LEN=1917; translated
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FAFLTPSQGFNFLVYVRPRFLQYLKTRKSTRESSRKSTGSDIIRVSGLSSTNEVSEPVV
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>comp9029_c0_seq1; 467 319 2485 LEN=2656; translated
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LNKINENESQQEEFQDARKDSSSKIVKSEESWKDNLNGIRVEEKDDCAVKEVSEKCCSFI
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>comp9029_c0_seq2; 517 319 2276 LEN=2447; translated
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CMGFLFYLRDRQARKERK VLEAMTPGQRASMMQRAALEITEGEEEEEGLLNKIENESQQ
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>comp9029_c0_seq3; 308 1141 1590 LEN=1761; translated
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>comp9029_c0_seq4; 406 189 1381 LEN=1552; translated
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KERK VLEAMTPGQRASMMQRAALEITEGEEEEEGLLNKIENESQQEEFQDARKDSSSKIV
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>comp9029_c0_seq5; 422 189 1268 LEN=1439; translated
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HLWLD R FVAYSFYWVLF GVIQSACMGFLFYLRDRQARKERK VLEAMTPGQRASMMQRAAL
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>comp9029_c0_seq7; 483 319 2372 LEN=2543; translated
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VGLV VSHLPKIPSSVSESNITSRCTPLPLTNLCLRTCHSTETICSMLLLLNESLDRRSN
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FVAYSFYWVLF GVIQSACMGFLFYLRDRQARKERK VLEAMTPGQRASMMQRAALEITEG
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QSRG DYSGRRDNDEVGPHMDH NHQSDSDIATGFHESEDDDEESRYEDVPETNDVSKIKVS
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NVNHL SGLPLIRLNLAE TFMQEDGFARLVEY MADRTITDESSSSTGVGDPSGSDTAALPI
SPASPSRQQQSPPQIEFSATGLSSFPTIDLLHQTLTVLFDVCNANNKKDENHLRALEQAA

NDVSKATMRYITSCSEELKVKPMEDLKLVLHDLICIFDKLIEFRPDTYEFYSFWRGLV
LKLITSQSLPLKLFQWQOMETLLEASAAHRPPRSFVAEDAGCRFVNGEYRFKGIETDDG
YGLRSGKDNEISYMREIPEDEPEGGKTLTLFRCTMRSQQKWWFLSEADKEQPGTDRDID
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KIIDTLVLGDSVHREIVRSVPLIKFLASMCERDFGTRTNIDGDRTAVPESVDGKVDQD
TKYCLQSSHLQLAWKTCIRKTDAAVSAQIYQLLVSILPSCPVNLAVLLLKNVRASLDQGS
QPNNSSSGGISNGMNFNDFLTEVSDFCALAVSNDNPTYNNNNSNSKVAPVSQLSNDVR
AEVLDLLWSLLIHPEASSLSYDLLKQYVTRRELRVEPGTEHRKTYLRLCIVALQENSKQ
LTAGTVDEIRALKMVKFTHFVLEACPRAQAHLVTANQGRPLLLLFEELTAFLKRKRQGS
SGGIGXPRAESTSKDGIQGAISLSERLRILRYVYGVSEQMF MSTPQLHSLWQLCSAPPDR
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AFVTLCSPNIGFQLLGVKAYQSFHFMFNKMRLLPSHGPEVRQAALDTLWRI
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DLDMKVP
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IAKCLPHG
MRGQACYRKITIIAKRQQTQNHQEQNPQNHAGSIFRFSIDLHPLETLSIKGKVASHCQ
RPVSFVKPISASGRVSSSSTRKPNGGDFSHMSPNHLPPDDAVVDEMGI
VQGSEMVFVIQDR
HIAQQNVNTSSASNTRKKGKARDLSDIFCDDTNNFNNLLFDLTLG
VLEALPWREP
GEMSDV
STTSTDTHKLVWDL
LLAMPTNPVSSQVLLTTKSGI
VIENDV
VEDAMEIDSRQPEGWAK
LLDLKNFFKSVYVLLAIDAF
LKPAREILSSLPVERRNMLAREMIGESAVFRRGFIESGGF
DAVVGGFFSSSEDNSEMSQSMTRRGN
AVLRILKCLFGDSDSNGVKDSSSSGLDEAGNRL
LLSLANAEGLLRSLTSMVVADSGISSSTVSDV
LKFLCLLKFSPETVKSFVALPDR
TAEKFLTRLILWEGSSDVAQPGSSVTSISKV
RVEHNLVLA
TPLLANFALPWLKNAIDSIDVTSECTAEYF
HLLIKLVTESKTVSHRELNSLATTVCAK
LAVCPRPSTDTLVVDFSTGVLCGCLGLLDS
LIHVGGGILVDGTSILLKEFEVPRWSEMP
IYPTRIGPEDLTLMDLMGVLFDAFLSPGGAT
SILAI
CCDRESRQRGFDVVRSTARRCKDNGY
MALVHRINGLIS
AASPFLKHRWGQSTGENEGGSRNGRNTS
KYSGLKNQGC
TCYMNSVLQQLFMMPELRSKSLCSAPL
PASIRASGGVSSRGAELVGRKISMQWESG
NSYDAVVEAFDSTTGLHTIRYCP
IFTATSLGGANHHHLHREEVEKLDRLP
PLLKEEFFLSEGRPGKETGVFEVLP
SKETKEENNSLSHERSDEEIKETQDESS
RHLMEEVQRTFIHLEEGSRGRCFDPR
ALVEACAC
LKLEFDVWQONDASEFSTKLLDRLETS
LKRWAPDNFRYLDHTFGIKQTKQKIC
KECGLKTNREEKLLNVDCQIRGKADI
QEALSTMCETEIMEGNKVFCDNCKNTD
TVLRS
AISLPNMLILSLKRFDLDYNTFETV
KLNSRCAF
GQTLNMKRYTLEGEVAIEQAESEN
HEADAMDVGNEESALS
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PGSEDKWYRFDEEDVTPFD
PASIA
TECFGGKVKKETKWPNGQVH
SVESEQFANALMLFYEKVKITEHSS
PERTEKEDAEAALEKIH
MSTGYDVFEPDVR
RSNATHRWQSF
LNFADQTF
LRLLLHL
CRVEKSSPWRKNFIDMLVTFMFDVLLY
TNERLDLMDWVNAVEEILIDDPEYAQAF
TLKIASKTTSVSGN
WLRTYLLDCPDQYSRIASVRI
FTAAIQSSLSIPEEQK
LQDWVKA
WEMQVSQIDVSNK
PVP
SRLRGEFVQHENVDS
PSSS
AIGMILSSMNVLIDV
LPRCWRQ
NQEIFTFIRELSFTDPKRG
LLLR
EAIIGCLIPARLIC
FINRQKSP
PALVSAFPGASLSLESAEYD
SKAEHSHYMN
GNQVMNPPDLN
YRGN
SGMMNFAPISL
FETLGLMG
ISHLYQAPLLLEKHDQRGRK
RGFVLS
TEAQAALTKVFEESCSGSVQGM
GQRDIREY
LHRCGH
DNIASQRI
IDVIAKYNASSYGGNVSKGM
NYLNL
TGFLDYKETAQR
EDGRV
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TRRSSELRFITIEGREDTLK
RCESIARDVADHFRN
NKPTVGK
LADFGLSA
FIFYCPLNANMSEQLA
EYVAAAFYRYKNGSEN
LIYNTLRAIY
TAPHGWQGA
DTTRVALA
ILSTLASIPDDYQKERIGY
IMQCTRVLNTADNH
PLGLITASIGF
REMETS
SGSYDPNKILD
AYER
YTGFLKEMMN
IQSVYDWMEDNRDAWAQ
MESDLFETAQHAGHGQSRGDY
SGRRDND
EVGPHMDHNHQSDSDIATG
FHESEDDDEESRYEDV
PETNDVSKI
KVS
DAGHAAVNGVYERD
GHCGVEKYSRVCKDRDCKFS
IFKCKVSN
ETFHWYISIVPRDREP
GTVQD
TFYSASVAE
ECEILPPSTGWSKCS
DGGDPPPTLAFERD
GVGPTSVPF

>comp9031_c0_seq1; 388 68 907 LEN=1484; translated
MADSCCCLVCVRTQQVGVEDLGQFKSL
LDPGLHFILWPLQSI
VGRMSLR
IQQLDVVCET
KTKDNV
FVQGVAVQYRVLVDGAYDAYR
LTDPRNQIQSYVFDVVRSTVPRMDL
DEAFVS
KDEVGGAVLAQLRDVMKEYGYEINK
TLVTDLSPDNRVKASMNEINASRRL
KEAASHKAEA
DKVKQVKA
AEAEAEARYLSGLGVARQRKAI
VNGLQESVGSFSDEVEGATPKD
VMDILL
LTQYFDTLAAV
GANSLIEHDPATVASLRQSVGG
AFLNSK

>comp9031_c0_seq2; 388 68 907 LEN=1652; translated
MADSCCCLVCVRTQQVGVEDLGQFKSL
LDPGLHFILWPLQSI
VGRMSLR
IQQLDVVCET
KTKDNV
FVQGVAVQYRVLVDGAYDAYR
LTDPRNQIQSYVFDVVRSTVPRMDL
DEAFVS
KDEVGGAVLAQLRDVMKEYGYEINK
TLVTDLSPDNRVKASMNEINASRRL
KEAASHKAEA
DKVKQVKA
AEAEAEARYLSGLGVARQRKAI
VNGLQESVGSFSDEVEGATPKD
VMDILL
LTQYFDTLAAV
GANSLIEHDPATVASLRQSVGG
AFLNSK

>comp9031_c0_seq3; 278 1 835 LEN=3179; translated
RQCKRSLDFLSFIDFEIAWCPIDVLES AKVPRITNSITKPTLPRLTFSNLSKRDLGDVFL
KQQVFVQVGVAVQYRVLVDGAYDAYRRLTDP RNQIQSYVFDVVRSTVPRMDLDEAFVSKD
EVGGAVLAQLRDVMKEYEGYEINKTLVTDLSPDNRVKASMNEINASRRLKEAASHKAEADK
VKQVKAAEAEAEARYLSGLGVARQRKAI VNLQESVGSFSDEVEGATPKDVM DILLLTQY
FDTLAAVGANSLII EHDPATVASLRQSVGG AFLNSKK

>comp9031_c0_seq4; 388 68 907 LEN=3251; translated
MADSCCCLVCVRTQQVGVVEDLGQFKSL LDPGLHFI LWPLQSI VGRMSLR IQQLDVVCET
KTKDNV FVQVGVAVQYRVLVDGAYDAYRRLTDP RNQIQSYVFDVVRSTVPRMDLDEAFVS
KDEVGGAVLAQLRDVMKEYEGYEINKTLVTDLSPDNRVKASMNEINASRRLKEAASHKAEA
DKVKQVKAAEAEAEARYLSGLGVARQRKAI VNLQESVGSFSDEVEGATPKDVM DILLLT
QYFDTLAAVGANSLII EHDPATVASLRQSVGG AFLNSKK

>comp9031_c0_seq5; 278 1 835 LEN=3347; translated
RQCKRSLDFLSFIDFEIAWCPIDVLES AKVPRITNSITKPTLPRLTFSNLSKRDLGDVFL
KQQVFVQVGVAVQYRVLVDGAYDAYRRLTDP RNQIQSYVFDVVRSTVPRMDLDEAFVSKD
EVGGAVLAQLRDVMKEYEGYEINKTLVTDLSPDNRVKASMNEINASRRLKEAASHKAEADK
VKQVKAAEAEAEARYLSGLGVARQRKAI VNLQESVGSFSDEVEGATPKDVM DILLLTQY
FDTLAAVGANSLII EHDPATVASLRQSVGG AFLNSKK

>comp9031_c0_seq6; 278 1 835 LEN=1412; translated
RQCKRSLDFLSFIDFEIAWCPIDVLES AKVPRITNSITKPTLPRLTFSNLSKRDLGDVFL
KQQVFVQVGVAVQYRVLVDGAYDAYRRLTDP RNQIQSYVFDVVRSTVPRMDLDEAFVSKD
EVGGAVLAQLRDVMKEYEGYEINKTLVTDLSPDNRVKASMNEINASRRLKEAASHKAEADK
VKQVKAAEAEAEARYLSGLGVARQRKAI VNLQESVGSFSDEVEGATPKDVM DILLLTQY
FDTLAAVGANSLII EHDPATVASLRQSVGG AFLNSKK

>comp9031_c0_seq7; 164 1563 1903 LEN=1903; minus strand; translated
MVPVPVLVQVLLLLLPLLLFVLS SNATLNQKKTQSSNTQSSWXNNPNFNTLGSNDYAT
AELNTKGYATKKKSWLTRFVKTVLNTTNPDTITPEDKVMYEMLTKKVPMHDGLT

>comp9031_c0_seq8; 388 68 907 LEN=3419; translated
MADSCCCLVCVRTQQVGVVEDLGQFKSL LDPGLHFI LWPLQSI VGRMSLR IQQLDVVCET
KTKDNV FVQVGVAVQYRVLVDGAYDAYRRLTDP RNQIQSYVFDVVRSTVPRMDLDEAFVS
KDEVGGAVLAQLRDVMKEYEGYEINKTLVTDLSPDNRVKASMNEINASRRLKEAASHKAEA
DKVKQVKAAEAEAEARYLSGLGVARQRKAI VNLQESVGSFSDEVEGATPKDVM DILLLT
QYFDTLAAVGANSLII EHDPATVASLRQSVGG AFLNSKK

>comp9031_c0_seq9; 278 1 835 LEN=1580; translated
RQCKRSLDFLSFIDFEIAWCPIDVLES AKVPRITNSITKPTLPRLTFSNLSKRDLGDVFL
KQQVFVQVGVAVQYRVLVDGAYDAYRRLTDP RNQIQSYVFDVVRSTVPRMDLDEAFVSKD
EVGGAVLAQLRDVMKEYEGYEINKTLVTDLSPDNRVKASMNEINASRRLKEAASHKAEADK
VKQVKAAEAEAEARYLSGLGVARQRKAI VNLQESVGSFSDEVEGATPKDVM DILLLTQY
FDTLAAVGANSLII EHDPATVASLRQSVGG AFLNSKK

>comp9032_c0_seq1; 532 1 1507 LEN=1711; translated
ATTTPRQLVLIRDPTIEQAVPICATSDGGDADNSFFGFPVSFLLRSNGSILEAISSGGD
ASHGSPQGRTVVSVWSR TYGTEGKSGETATKKPPRILSFKISPGFSDGGRIAGDDSGW
VQVWRLSTGALLWTPVAPAALRNRRTRNPLFQSEKLWVKHLSWSGDGSGCLGAAAGRTAV
WVDASNHGGDVLSSLESTAGSITGLSARAAPAGAFWLAVASYGVVAVLSSSSSPPLPSE
ATVPPPLERPGA AVECLSVSPCGEKVAMGFLDKTLRVVSLGKGGGRLPSVGAEGLLDPPP
TGEGLVDWVGFNAAVKSVRFSPNGKWL AALGGSTILVIGDSL DARTQAPIACRTPGKTS
GDGGDGTCHKFADMKWSAEQNAEESNGILL AALDATNGAIHIFSGSNSNGNSSTSKNQH
DAWPHRAFPIRTVFP RFSFDSPLLPMSLSTTVFAFFSTGGLRKDASDQHTDTSNTSIDRFQ
LEVASSPHSPALYDYLKANL

>comp9033_c0_seq1; 788 1 1669 LEN=1669; translated
XPASAQASSSLRDNAVALLRERDSTIQDLREKGRERDDKLERVEKRLSFYESRVETLQEK
GSERDAELDRTESLREKEESFRGLEVERRELEEEELRRVRETGAGHGDGERSVSGQVPE
QRDGAIKRLREERRDREKRLQSTIESLSHRGSWSEDDESQAEAEAEAGDDFSASSSRLPDE
RDATI QNLRDEAEQREDELARVRGRLSAQAEAREA EKDAELREKDSAIENLREERDGREEE
LALVRESLSLYEGKETQRDAELAAALSCLREKDTV IENLQEDCTGKEEELRRVKESSLVY
QEKQAGQDSELVAALSSLREKDS TIEDLLQENDGKEDELRRVRERLSVYEGKETE QGDEL
AAALSLLQDRDSTIQNLKEESKSKEEELRRVQERLSVYTGEKMEKDEELAAALSLLQVKD
STIKNLEEEESNRKEKELQQVRDSL SVYEAKETKQGAELAAARSLLQEKDSAIQNLQEEQI
GKEEELRRVQESISVYESTIESLGERTEKDLELDSTMSAVRERDATI QKLEENKQERD
ATVALWREQDVAFQKLLK

>comp9034_c0_seq1; 231 298 729 LEN=878; translated
MSADSQQTTTFTRQATILRKNLGEWDMVLHNPRGEDWSKMLGRLNAALSATSTLDNNIEDV
MEHFVYLPKRATANPQDIPFFLSTKLDSSATDERMPANSSSRKKKdstvqDLLAMGDPVQ
VLSNYEEQA AKLVQEYEEEMVRF

>comp9034_c0_seq2; 231 298 729 LEN=898; translated
MSADSQQTTTFTRQATILRKNLGEWDMVLHNPRGEDWSKMLGRLNAALSATSTLDNNIEDV
MEHFVYLPKRATANPQDIPFFLSTKLDSSATDERMPANSSSRKKKdstvqDLLAMGDPVQ
VLSNYEEQA AKLVQEYEEEMVRF

>comp9035_c0_seq1; 685 1 2780 LEN=2900; translated
XEITLFRIGKIFHADLSVSKMDSKMETPVVIADRHPPGGEFSPLLRSNADDGCDKNTGIGD
AEFQTPFAHFIADEKVFVVGSTGSWLRLLLFFAACVISGGVLPQNVYNRLFCEAGLFSY
ACREDTSGGVVDGIADDPVEVFIGDSSCCSAQWLLLANTMNALSSTLALFFFLGGLVFD
LGGQWTSIVGCLINAAGFFVLSLLLFALEEYDDDDVITITPMMETTIFCFAILVDAGSII
TNVSFFGFLWHLPRHQGLILSLNCCVNVA AVVPLVLRFILQRYDNWLSLPSTMFFYTAT
IVGIATPACWVAVPSVENYRKRAMEVLGVPIPRRTVKGFRGAIDSVKSGFRI IKHHARLH
LFTLATFTFAWTSFFIYITMTDPLGQEVFGTGVGVVDDDMVMGNSDENERLAVLFNQ
SALVGLFMGPLVGVMLDQYSRPTGEGITDLAVVITISMAIIGVFCPVANWTIQTI VVTSGA
FGQIATLLFIMRYSVIFALPNRVGAVSGILLALLGGFSMPFFILLSIYIGVTDHYVGP
TITLSLIGAAVWVAYIVFLKRAKPWPSFPVLLPEDERNISKMFVSGTIEDAAVAGKSLPE
RRLASSKAVDQ RALLDAAFAPETGDRIMEVARRRSSVEVSKRNSIGSQNSASSAYPRA
VDGLCKSDDANEYTDALASRYSIPLHLASGNVRGEEYTIQRGSASTALETIEISFNHGG
GGRNEPSIASLMDSMGPPDDPRRISVMHSMFAPAFHCAEAYGNLLEVRVGDFTVASCAC
FHPDGLENGSIFQVGS DRYYSLTMSGATPNINRETMGPEALQRFVSFKQDSRWDEL
RNDYGPV FYVAVLGVHPSYQGRGYGKLLNIVAHWADREGMDCYLECSEANVAIYER
CGYENIWKVDVEVDGSNDTLTNFGMVR RCKNKE

>comp9036_c0_seq1; 299 1 1146 LEN=1488; translated
VPSATAIETLVSEKEQYTLKFP TLFAPLYGEASRKTIKRSLGRTSGADSNDDIWA
LEQNLLELGPLQTPLRCTVVR LKDGTLWVHAPLAPTPEFFELVESCGKKVAHV
VVPVSYALEHKVFVKDCMARWPNADLWTSPEQFSFPFAASEPYIFGKAVAGVLGK
NGGATPPWSDEIDYATLEGGTFRIGGKPTTLCETAFFHRASRSLIVTDVVARIP
TTPALNNPEQ LLLISKRSTDDMPEDTPEARLAGWKKTALLVSYFFPEHEELDPT
KAGVVVWTEGWEDNFDALAGRLVVPVVRTLIYSQNP ARVREWVETIVRDKKWDF
DRIVPAHFEAPVPATPPDLERAFRFL EDPGADAFPENDLARGLKPIAGLALRL

>comp9037_c0_seq1; 205 1 573 LEN=573; translated
XDIACSDFLVLC SLINQAGLENVLSDSKSNMTLFAPTDAAFNAALKAGLDTSEV
LLLSETLLYHTVKDEAIKST DIDCDATTDLTMANDEITKV SCKGTKKRIRVE
GEGNDP DNLPKVVVADIEACNGFIHSIDQVILLGLETGTENPTSEITYVDLCP
QFSDDCQKCLEND DCLYCRDEPGSCFNRYPNLX

>comp9037_c0_seq2; 475 1 1432 LEN=1604; translated
GTGGGTGGTGVVPPTAPPKAVRYDPAVNTIDVLTIPENCSSFTVETTTGNQ
CLRVIITVTGTTQASLTVFESKIEEAVEDKTLETQLATFGLTAQTEMV
PVAVLSTDAPTVAPSTVDRSVRVTRIKFN YVWFLSLLL YLAVWKFHYDSTFHT
LFFLVSVSNMVHFFPDDIACSDFLVLC SLINQAGLENVLSDSKSNMTLFAPT
DAAFNAALKAGLDTSEVLLLSETLLYHTVKDEAIKST DIDCDATTDLTMAN
DEITKV SCKGTKKRIRVEGEGNDP DNLPKVVVADIEACNGFIHSIDQVILL
GLETGTENPTSEITYVDLCPQFSDDCQKCLEND DCLYCRDEPGSCFNRYPNL
RAPDETPDQNKSGGKNSRLLFSDDQRFLQECKGILTSTASVCDAPTEAPAG
SPDKDGD SKDTTSGKSDKTDTKDPDADKDSKSGSDKDSAVSLFSATNAIAI
GAASTILLYIV

>comp9037_c0_seq3; 458 1 1281 LEN=1453; translated
GTGGGTGGTGVVPPTAPPKAVRYDPAVNTIDVLTIPENCSSFTVETTTGNQ
CLRVIITVTGTTQASLTVFESKIEEAVEDKTLETQLATFGLTAQTEMV
PVAVLSTDAPTVAPSTCRSIYDIACSDFLVLC SLINQAGLENVLSDSKSNMT
LFAPTDAAFNAALKAGLDTSEVLLLSETLLYHTVKDEAIKST DIDCDATTDLT
MANDEITKV SCKGTKKRIRVEGEGNDP DNLPKVVVADIEACNGFIHSIDQV
ILLGLETGTENPTSEITYVDLCPQFSDDCQKCLEND DCLYCRDEPGSCFNRY
PNLRAPDETPDQNKSGGKNSRLLFSDDQRFLQECKGILTSTASVCDAPTEA
PAGSPDKDGD SKDTTSGKSDKTDTKDPDADKDSKSGSDKDSAVSLFSATNAI
AIGAASTILLYIV

>comp9038_c0_seq1; 365 263 1315 LEN=1798; translated
MLRVRRERLLPVVSGCLLALSLANPAPVRALLAATLSPPPQSLPVVSLAAAPV
GASAGGTD AVPGISVSSVKNLRPVVPGSSLYRSATLDDLTQDDAERLLSGS
AFAGSAVAGEAPKPLAAVIDLRNADEIAKGKSRTEASKRFYDSQGVVFATVP
VVLGNVDAFWEEAIASMEPGERWMA

TLRTAVVGGALDKAAARHLERGGPLLYSITMKTGGRPLAEALDACLEASASSGGGPVVF
HCQKGDRTGILSMLLQECLEGGSTDRDMVESYALSGSNIGELPNQTRAGDGGDSSSSSTI
DWSYFRGSPASAMEDTLAWTRRNYGSVEGYLDSICFGEEKRAQLRKHCLR
>comp9039_c0_seq3; 302 376 1367 LEN=1796; translated
MARGKQQQQRRRRLSLFASTTGDASASSLAAVTTKVSRRGTRAKLAFLTLRVALPSELLA
GVFAFFAFPPQLSLWLCSLFADQGVFAVLSQDSSQFVQNFVSVSSLLFSILVQGTYFFLYQ
QQEMVYFALFDEVTEAKSLLEQVALVSQGRSMYQRLKCMSTYVKSDLKALNQDPAVLLS
SRPMDPLETIMYLTSVGVPSTVYETVRSRQARAKRLGALQRKLPPIHFAMLWLLAALE
LVSFPLLGAAGTKLSEXYNILTIEGLLFGVMTTGIVLTLRVVVGELWRPAGGAYQVDSVLNT
MVKGLEKELDARTKGAIVKAQQENYPSSSK
>comp9039_c0_seq4; 302 376 1367 LEN=1758; translated
MARGKQQQQRRRRLSLFASTTGDASASSLAAVTTKVSRRGTRAKLAFLTLRVALPSELLA
GVFAFFAFPPQLSLWLCSLFADQGVFAVLSQDSSQFVQNFVSVSSLLFSILVQGTYFFLYQ
QQEMVYFALFDEVTEAKSLLEQVALVSQGRSMYQRLKCMSTYVKSDLKALNQDPAVLLS
SRPMDPLETIMYLTSVGVPSTVYETVRSRQARAKRLGALQRKLPPIHFAMLWLLAALE
LVSFPLLGAAGTKLSEXYNILTIEGLLFGVMTTGIVLTLRVVVGELWRPAGGAYQVDSVLNT
MVKGLEKELDARTKGAIVKAQQENYPSSSK
>comp9040_c0_seq1; 871 49 1935 LEN=1995; translated
MGQRKPRSTPKSRSTAKKVVREEEPEESEDSSVEVTKKTQGKKGNNPVVDAVSSAEEDNDT
SASSDAETSGDGSSEDEQEPTGKTFSDQNASWLKPKKTLDDSDDDDDDEAGDDFGSDDDD
ASDDDEMEVERQSRLLDARRLEEKKEEAEYRHTIATNTSVYHLPKDELEKIDRVVPP
SELKSHIDSILEVLADFKTRREPERSRQEYVDQLGLFIAELYGYLPELIEYFLTMFSPSE
CLEFVDYSKVRPMVIRTNTLTKTRRKDLALALMKRGVSLDPLASWSKVGLKIMESVPIG
ATPEYLSGHYMLQSAASMCPLALSPQPKERVLDMSAAPGGKTSYMAQLMRNSGVIFAND
LRADRQKATVANMHRGIRNVTICMHDGRKLSKLFKQYKFDRIILLDAPCSGLGVISRDPS
VKVQRTIADVKKTAHLQKELLLAIDVLNHHKSKTGGVMVYSTCSISVAENEEVNYALEK
RDIRIDTELDFGTAPAFTRYQQKRFHPSVSKTRRFYPHVHMDGFYVAKIQKLSDKKKGE
EKKKDEVVENEVVAKEEKKDEQKQKAPGKKGKRRKGGKDKDEEVNPARMAKREKISVP
PKRLNTPKKGKQKNAKMTKPRRPKVE
>comp9040_c0_seq2; 308 1 497 LEN=557; translated
XLPISENEEVNYALEKRDIRIDTELDFGTAPAFTRYQQKRFHPSVSKTRRFYPHVHMD
GFYVAKIQKLSDKKKGEEKKDEVVENEVVAKEEKKDEQKQKAPGKKGKRRKGGKDKD
EEVNPARMAKREKISVPPKRLNTPKKGKQKNAKMTKPRRPKVE
>comp9041_c0_seq1; 492 153 1438 LEN=1714; translated
MADVVKNIQVPIIDETLSEISRGMVNRNSFVTNSMLVITFQQSKIHNVNFLRXIFSELAIT
DNKEGTLAKVGKANPWHIQALKLITGSEERAHLPLEDILRDDFGGLILDCELDTSGITKG
LNFVDTQGYIAHNDELIVVFRCTTSLFDWLTNLNSTTSAWEVEDYELGYSGICSGFSGL
CFQGPNAKPRVHTGMYNNFLAILPEVKKHVDKYLKDEKPRELYIVGHSLGAGIANLMAT
YFLLEGYDWNVLPQKLI SVTAGSPRSNGKSMKKVTDEKRLEFGKNVRFHRLVKGDAVSK
VPPRILGFHEIVDPIVITDDGKILMLKKEDGLKTDLSEAYKVTRQKDAQFSVDKLVKDGE
DTKKTTEKEGTLQRETSTEKNDEEYAKYQRLVTKIPKGLRDHMPDFYLPKIFNAQGI
EHASKTKPTK
>comp9041_c0_seq2; 489 153 1463 LEN=1739; translated
MADVVKNIQVPIIDETLSEISRGMIFSELAITDNKEGTLAKVGKANPWHIQALKLITGSE
ERAHLPLEDILRDDFGGLILDCELDTSGITKGLNFVDTQGXDRIVLLTGENMGLIEHAKN
KQQQAHSNFAFGSHLGYIAHNDELIVVFRCTTSLFDWLTNLNSTTSAWEVEDYELGYSG
ICSGFSGLCFQGPNAKPRVHTGMYNNFLAILPEVKKHVDKYLKDEKPRELYIVGHSLGA
GIANLMATYFLLEGYDWNVLPQKLI SVTAGSPRSNGKSMKKVTDEKRLEFGKNVRFHRLV
KGDVAVSKVPPRILGFHEIVDPIVITDDGKILMLKKEDGLKTDLSEAYKVTRQKDAQFSV
DKLVKDGEDTKKTTEKEGTLQRETSTEKNDEEYAKYQRLVTKIPKGLRDHMPDFYLPKIF
NAQGI EHASKTKPTK
>comp9041_c0_seq3; 435 568 1546 LEN=1822; translated
MGLIEHAKNKQQQAHSNFAFGSHLGYIAHNDELIVVFRCTTSLFDWLTNLNSTTSAWEV
EDYELGYSGICSGFSGLCFQGPNAKPRVHTGMYNNFLAILPEVKKHVDKYLKDEKPREL
YIVGHSLGAGIANLMATYFLLEGYDWNVLPQKLI SVTAGSPRSNGKSMKKVTDEKRLEFG
KNVRFHRLVKGDAVSKVPPRILGFHEIVDPIVITDDGKILMLKKEDGLKTDLSEAYKV
TRQKDAQFSVDKLVKDGEDTKKTTEKEGTLQRETSTEKNDEEYAKYQRLVTKIPKGLRDH
MPDFYLPKIFNAQGI EHASKTKPTK
>comp9041_c0_seq4; 533 153 1355 LEN=1631; translated
MADVVKNIQVPIIDETLSEISRGMIFSELAITDNKEGTLAKVGKANPWHIQALKLITGSE

ERAHLPLEDILRDDDFGGLILDCELDTSGITKGLNFVDTQGYIAHNDELIVVSFRCTTSLF
DWLTNLNSTTSAWEVEDYELGYSGICSGFSGLCFQGPNAKPRVHTGMYNNFLAILPEVKK
HVDKYLKDEKPRELYIVGHSLGAGIANLMATYFLLLEGYDWNVLPQKLI SVTAGSPRSNG
KSMKKVTDEKRLEFGKNVRFHRLVKGKDAVSKVPPRILGFEHIVDPIVITDDGKILMLKK
EDGLKTDLSEAYKVTRQKDAQFSVDKLVKDGEDTKKTTEKEGTLQRETSTEKNDDEEYAK
YQRLVTKIPKGLRDHMPDFYLPKPIFNAQGIHASKTKPTK
>comp9042_c0_seq1; 940 1 2815 LEN=2909; translated
XNNKMKFQKNIVNNNCESKRPKPKPKTSTIRDMIIPGNKKKNFNDEKPKPVHQQQRQHPY
PKQNLPPRNPHRRLLDLQMNSDQDFPALGTSNQSSSTPIPSRSTDVVATRGGWAVPKPPP
PPTMLQKTGSKFNISNSTTLTAVSTQSLKQKPQKNNTQPQPRIKLCENQLQKGNAGTQ
KSSKKKALQRDESSLSSSKPNRIPSSSVSFFQPLARASVGGDTACAAGAVGGSSRGM
DGEEHQLLRLMKERTVYQKKGRQRVAPRKKKFTALKKKVLQERLDQWRALHPEASTGPRQ
GNHDGGTVRRTTSTIPSKGCKSSLPTCSLCIYNYAVPEELEDDEYEEIMGNLKGMAKIG
PIDDFVIFRSSVFGDEINQDGAGNDNKQNNKHPSFVKFQKESDAAAALACWSGLVIGNE
LGVFGVSVPSDDRNVVWSTRALAAETKRRKELDNVESERDSSAIDIILQKILTDDDFEDE
DCMNESSLDDLNRNIAAQLGAVQNIQASSTKNGDVTLYKCSLVEARKIAENLCRVVVGEP
LYASVSEELVATSDRAGSPTVVLENILTQDDLDSECLQEESLNDIRELCMRYGDVSDVA
VKGTGVKVKYNESVHVAKKATSELNGIVLGGIVLKASLQVDKDSGRNDSGLENSINLYNL
VTEDDLEDEDCEESLSDVRELASRYGEVVGVEVLDKDSNPFVRIIRFGDDISVAADAVKG
FGNMVIGGQIIDASLSSSDSGTSGSKSVCEQPGDKRKPESATRNPSSDKKARTDDKAPLYS
GDKLISERFAEMKRVKIPKNGPREYASEIKDERVKPLLSEMLGELMRLQKRAVEDKNAK
ARRRMVMGLREVARGIRAHKVKMVMANNLDEYGVIDEKLQEIIDLAKSEGVPLFFFEFTK
RSLGKAIGKSIKIAVVGIIQNADGAHQPFKKNLAIASRI
>comp9042_c0_seq2; 188 72 302 LEN=396; translated
MVMANNLDEYGVIDEKLQEIIDLAKSEGVPLFFFEFTKRSGLGKAIGKSIKIAVVGIIQNAD
GAHQPFKKNLAIASRI
>comp9043_c0_seq1; 394 1 1158 LEN=1203; translated
HPKWQDNGEKFMVRVHSPRSTARCGIVLVSLLASTASSFRSCDRHVQNSRRNCNPKINSE
WLTSTTPALFKPSPKSTDVVFRLYPTNRPTTLGSRNNDVLLTIDDDTDYLVTDLQVRD
EDRPSLVEALNNPRDILALLLVVPVAGSVSICNLFGLYTDVYTDLEVLISGLGVVSGLAA
FLQIATGYNIKNHSRLLVNDNSVNIYAGVYALATSWLALRASNACPEWLASMDTVFPWM
YFFVFMASAVPAITLNFNGKCLDGTPLSDTELLRARGLLAIGILASVFAPDCLAFLGL
GSEWDRVSSLHPSQRVLESSTSLFALYANEASMAHRCGKLGVPYRLLVPAFASVCF
LAILPCIAALYWMGDSVSFFSFYRA
>comp9044_c0_seq1; 193 77 586 LEN=707; translated
MMIATTHDQNRVFESSMQPMEFQKTSLHQKTVLEEQPLIGLNDENSSNPVLKQVLLDLRD
AQVRFSAHQKCADAWNALGLIRVHMQRDAEAARKCHEYALTI FRERRLAKETATTLNDL
GYCFERLNLPNIALQNYQESLRILKSEGLSESHPQLLSTRRAVSRIQRR
>comp9045_c0_seq1; 139 187 720 LEN=1964; translated
MSEDTSMLAEQQAQAPRASKSSIRKTDDEFKMQPCSWSFHLFFWGFVALLRAAVGYQPHS
GQDNYHGSLEK GAYGGDFEAQRHWMELTINLPVGDWYWYETGYWGLDYPPLTAYVSWICG
WASYYIVGPESVALDL SRGI EDLNHKSFM RATVVLVLDLLIYGRAVWYATYEGDRKSLW
>comp9046_c0_seq1; 512 111 1559 LEN=1671; translated
MNTQNNVGTGDKKPAARPEVIPS GPEFRSVAIQRP TSLAGVRKSAPSDIIDKKS YFQPE
VSTEKPKDVSFNPQRLWYPTQLRPVPTFYPLERS SRFVEDEVGVVVSRI SEANRLLSIH
AVYCNETATADLYTAENVEMYL SLWKTSGNQEGIVIEIQRRKGDSIHFHKYSRCILDAAV
GELNMKELIQKNGDDIDIVYTKIDRLNLETERDAETETDNAVVAVEIAHGLLMKDRMD
ARQLGLESCLLTDPRKTGNRTALIASHVLLGTAKGMDCN SLEPEEDLIVDETPFQEIR
ESILSLVQFRRIGEECDYDHEAEACSEDEHITVLHNLALAVLANALDVISKQDSL LDGDS
SLSSTPEEEVPTNRRRLDTSESISERFLDESLECSGGSEDKEIMKT LISLGKANL KPHN
ACLSAKCLKSLCRASNKARSRAKELGAKTVVQTALDVGARTH LKLEREC SHVMTELTQT
NSE
>comp9046_c0_seq2; 406 1109 2140 LEN=2252; translated
MYLSLWKTSGNQEGIVIEIQRRKGDSIHFHKYSRCILDAAV GELNMKELIQKNGDDIDIV
YTKKIDRLNLETERDAETETDNAVVAVEIAHGLLMKDRMDARQLGLESCLLTDPRKTG
NRTALIASHVLLGTAKGMDCN SLEPEEDLIVDETPFQEIRE S ILSLVQFRRIGEECDYD
HEAEACSEDEHITVLHNLALAVLANALDVISKQDSL LDGDS SLSSTPEEEVPTNRRRLD
TESISERFLDESLECSGGSEDKEIMKT LISLGKANL KPHNACLSAKCLKSLCRASNKAR
SRAKELGAKTVVQTALDVGARTH LKLEREC SHVMTELTQTNSE
>comp9046_c0_seq3; 406 992 2023 LEN=2135; translated

MYLSLWKTSGNQEGIVIEIQRRKGDSIHFKYSRCILDAAVGELNMKELIQKNGDDIDIV
YTKKIDRLNLETERDAETETDNAVVAVEIAHGLLMKDRMDARQLGLESCLLTDPRKTG
NRTALIASHVLLGTAKGMDCNLEPEEDLIVDETPFQEIRE SILSLVQFRRIGEECDYD
HEAEACSEDEHITVLHNLALAVLANALDVISKQDSLDDGDSLSSTPEEEVPTNRRRLDT
SESISERFLDESLECSGGSEDKEIMKTILSELGKANLKPNAACLSAKCLKSLCRASNKAR
SRAKELGAKTVVQTALDVGARTHKLKLERECSHVMTELQTNSE
>comp9046_c0_seq4; 406 605 1636 LEN=1748; translated
MYLSLWKTSGNQEGIVIEIQRRKGDSIHFKYSRCILDAAVGELNMKELIQKNGDDIDIV
YTKKIDRLNLETERDAETETDNAVVAVEIAHGLLMKDRMDARQLGLESCLLTDPRKTG
NRTALIASHVLLGTAKGMDCNLEPEEDLIVDETPFQEIRE SILSLVQFRRIGEECDYD
HEAEACSEDEHITVLHNLALAVLANALDVISKQDSLDDGDSLSSTPEEEVPTNRRRLDT
SESISERFLDESLECSGGSEDKEIMKTILSELGKANLKPNAACLSAKCLKSLCRASNKAR
SRAKELGAKTVVQTALDVGARTHKLKLERECSHVMTELQTNSE
>comp9049_c0_seq1; 274 193 930 LEN=2000; translated
MGATNTRGKSTTRSVRPRWSNRHRFGHPSVLA AAVFLAAAALSVPSCHALTGNFFPRAAE
ASGNTQQGVRIRFCNALTDPSEREALQKCRRTAFDPEKQNMNSERDFVNAQSVLDEKH
LCVVALDEATNEIVGSADLYPKKGGKPKNTVLNVFVRPDQRGRGIGRRLMVEGIEEVLVP
LLGGACDAVLSLDVYTQNTPAIELYKKLGYEPASPMHAGTLGLATVTQANLVVTLSTVK
AGGSS
>comp9051_c0_seq1; 213 1 686 LEN=931; translated
XRTERCGTGLVVS GENNRMLVLSRISSGVSAIARVAVCFYTGSCLLSNPPAEAQTYD
ASDNVLRPCPSDKNCVSSNYGEPNRYVSPLSLVKSSDIAFRQAVRDLADQKQQQFFSI
ANIDPKHRYIHLTTPGTSPGSIDDIELLFSDSSSIVSLRCEAEVTLPPPPFCLQKNCIN
GNLDQRRRVERVAKVLGLPNTDSTLMKDAKWTPIFFNSDRVPGFDDEV
>comp9053_c0_seq1; 472 1 2415 LEN=2415; minus strand; translated
GQLLTDVPEGSSSNRGRHTRSSIDAADLRASRNIPPRSISGAXAATDGNNESRGSRK
KPKLQPRSSNDISERLRERREARERERKEREKKYDLKDLSLSTGSESTQSNRVGNAFEH
TRVDTTKRPTNHSEMNI AEDCKHDES DTGNSSSVRLCIIISIDL PASVVSNIPLCPVLKM
GLVELPAGVYKDG GTSVTSTTTKYLF DQGIQAMGSAKIRSTTPKILGKRDSGTIEYHEE
YRWDNLKQPQTMGLCIELCVQGVRTPLNYMESPPAVFQYDAYASPSGDTLDSAETSLGSS
PKLHQAPIRRAPP SRTKSF DALRIGIWNRSRTQQDTEMEAAEAAA AVARMLVDESEPE SN
DMEQGQSSMKISETPNSDYDVTLDCSNGHLNVGPDIGFETGCCGDPFGTASTTSLDSED
EDGVYDEDEEPLKSSLYQNASFLRRASIKAEMLQWFCFPEGARLWRGTNPPTHSDLNLR
FSAASPQN LASSIAAFDA CLGCTTSFSWF AIASNSDQY GSSLVKTYGAVIRFYVPAPTGI
DPTQDDFAQA IMGRKADIPPPGAVKRLWVPIAICFTSNLPIVGIMEALLRLCEEISTIH
SGLQSGKLVQIQEAVANIVLKYQKPIAGAVNCSVPFLPGDRFLLSLPPREGLPSLPHGRA
LISVCRL LGADGLNYLLSAVLTECKILLHSE DIAEIAMVAEVITALTYPFAWSLPYIPIL
PLGMIEFVEAPLAYLLGMPTCNLKMIDPGALEDTVVVDL NKA FSSEYYLEKSKPRTASN
KHPALLILKKVLLRENS ELLPLRX
>comp9053_c0_seq2; 529 1 2652 LEN=2652; minus strand; translated
GQLLTDVPEGSSSNRGRHTRSSIDAADLRASRNIPPRSISGAXAATDGNNESRGSRK
KPKLQPRSSNDISERLRERREARERERKEREKKYDLKDLSLSTGSESTQSNRVGNAFEH
TRVDTTKRPTNHSEMNI AEDCKHDES DTGNSSSVRLCIIISIDL PASVVSNIPLCPVLKM
GLVELPAGVYKDG GTSVTSTTTKYLF DQGIQAMGSAKIRSTTPKILGKRDSGTIEYHEE
YRWDNLKQPQTMGLCIELCVQGVRTPLNYMESPPAVFQYDAYASPSGDTLDSAETSLGSS
PKLHQAPIRRAPP SRTKSF DALRIGIWNRSRTQQDTEMEAAEAAA AVARMLVDESEPE SN
DMEQGQSSMKISETPNSDYDVTLDCSNGHLNVGPDIGFETGCCGDPFGTASTTSLDSED
EDGVYDEDEEPLKSSLYQNASFLRRASIKARCQNGEHK GKKEERKIEDP ILEPGVIDFVA
VVGCKNIGNQKNDEGMKGWVKATPECVIMEQFPNNEFYMNSGRKAVLPEMLQWFCFPEG
ARLWRGTNPPTHSDLNLRKRFSAASPQN LASSIAAFDA CLGCTTSFSWF AIASNSDQY GSS
LVKTYGAVIRFYVPAPTGRIDPTQDDFAQA IMGRKADIPPPGAVKRLWVPIAICFTSNLPI
VGIMEALLRLCEEISTIH SGLQSGKLVQIQEAVANIVLKYQKPIAGAVNCSVPFLPGDR
FLLSLPPREGLPSLPHGRALISVCRL LGADGLNYLLSAVLTECKILLHSE DIAEIAMVAE
VITALTYPFAWSLPYIPILPLGMIEFVEAPLAYLLGMPTCNLKMIDPGALEDTVVVDL NKA
AFSSEYYLEKSKPRTASNKHPALLILKKVLLRENS ELLPLRX
>comp9053_c0_seq3; 507 1 2527 LEN=2527; minus strand; translated
GQLLTDVPEGSSSNRGRHTRSSIDAADLRASRNIPPRSISGAXAATDGNNESRGSRK
KPKLQPRSSNDISERLRERREARERERKEREKKYDLKDLSLSTGSESTQSNRVGNAFEH
TRVDTTKRPTNHSEMNI AEDCKHDES DTGNSSSVRLCIIISIDL PASVVSNIPLCPVLKM
GLVELPAGVYKDG GTSVTSTTTKYLF DQGIQAMGSAKIRSTTPKILGKRDSGTIEYHEE

YRWDNLKQPQTMGLCIELCVQGVRTPLNYMESPPAVFQYDAYASPSGDTLDSAETSLGSS
PKLHQAPIRRAPPSRTKSF DALRIGIWNRSRTQQDTEMEAAEAAA VARMLVDESEPESEN
DMEQGQSSMKISETPNSDYDVTLDCSNGHLNVGPDIGFETGCCGDPFGTASTTSLDDSED
EDGVYDEDEEPLKSSLYQNASFLRRASIKAEMLQWFCFPEGARLWRGTNPPTHSDLNLR
FSAASPQNASSIAAFDAACLCTTSFSWFAIASNSDQYGS SLVKTYGAVIRFYVPAPTGI
DPTQDDFAQAIMGRKADIPPPGAVKRLWVPIAICFTSNLP I VGIMEALLLRLCEEISTIH
SGLQSGKLVQIQEAVANIVLKYQKPIAGAVNCSVPFLPGDRFLLSLPPREGLPSLPHGRA
LISVCRLLGADGLNYLLSAVLTECKILLHSEDAEIAMVAEVITALTYPFAWSLPYIPIL
PLGMI EFVEAPLAYLLGMPTCNLKMIDPGALEDTVVVDLNKAFSSEEYYLEKSKPRTASN
KHPALLPASVATKISDAFYKLLREEDEMEERYSGTEFLEHSLPHLEEEESLAEREFRTVA
IEI

>comp9053_c0_seq4; 564 1 2764 LEN=2764; minus strand; translated

GQLLTDVPEGSSSNRGRHTRSSIDAADLRASRNIPPRSISGAXAATDGNNESRGRK
KPKLQPRSSNDISERLRERREAREREREREREKREKDYDLKDLSTLGSESTQSNRVGNAFEH
TRVDTTKRPTNHSEMNI AEDCKHDES DTGNSSSVRLCIIISIDLPASVVSNIPLCPVLKM
GLVELPAGVYKDGGTGSVTSTTTKYLFQDGIQAMGSAKIRSTTPKILGKRDSGTIEYHEE
YRWDNLKQPQTMGLCIELCVQGVRTPLNYMESPPAVFQYDAYASPSGDTLDSAETSLGSS
PKLHQAPIRRAPPSRTKSF DALRIGIWNRSRTQQDTEMEAAEAAA VARMLVDESEPESEN
DMEQGQSSMKISETPNSDYDVTLDCSNGHLNVGPDIGFETGCCGDPFGTASTTSLDDSED
EDGVYDEDEEPLKSSLYQNASFLRRASIKARCQNGEHK GKKEERKIEDPILEPGVIDFVA
VVGCKNIGNQKNDEGMKGWVKATPECVIMEQFPNNEFYMNSGRKAVLPEMLQWFCFPEG
ARLWRGTNPPTHSDLNLRKRFSAASPQNASSIAAFDAACLCTTSFSWFAIASNSDQYGS
LVKTYGAVIRFYVPAPTGI DPTQDDFAQAIMGRKADIPPPGAVKRLWVPIAICFTSNLP I
VGIMEALLLRLCEEISTIH SGLQSGKLVQIQEAVANIVLKYQKPIAGAVNCSVPFLPGDR
FLLSLPPREGLPSLPHGRALISVCRLLGADGLNYLLSAVLTECKILLHSEDAEIAMVAE
VITALTYPFAWSLPYIPILPLGMI EFVEAPLAYLLGMPTCNLKMIDPGALEDTVVVDLNK
AFSSEEYYLEKSKPRTASNKHPALLPASVATKISDAFYKLLREEDEMEERYSGTEFLEHS
LPHLEEEESLAEREFRTVAIEI

>comp9054_c0_seq1; 402 59 1207 LEN=1342; translated

MSTEGQPIKCKALVARAPKVP MVEEITVMPPKAGEVRVKVVCNALCHTDIYTLDGHDPE
GLFPCILGHEAGCVVESVGEVTSVKPGDHVIPCYP TQCCE TTCVFCQSPKTNLCPKIRS
TQGQGLMPDGT SRFVDSKGEPIFHFMGCSTMSEYTVIAEISCAKISKEADLGKACLF GCG
VSTGLGAVWNTCKVETNATVAVFGLGAVGLAVIQGAKMAGASRIIAIDINPKDFVIAKKL
GATDCVDPKTLGDVSVQKHIAGTMTEWGV DYSFDCTGNVDVMRSALCAHRGWGVSCIIG
VAASGHEISTRPFQLV TGRVWKGTAFFGGFKSRTDVPKLVQRMLIGTLNVDHFITHKFDGV
GGTNAAVEALHSGECLRAVVNY

>comp9054_c0_seq2; 141 59 592 LEN=623; translated

MSTEGQPIKCKALVARAPKVP MVEEITVMPPKAGEVRVKVVCNALCHTDIYTLDGHDPE
GLFPCILGHEAGCVVESVGEVTSVKPGDHVIPCYP TQCCE TTCVFCQSPKTNLCPKIRS
TQGQGLMPDGT SRFVDSKGEPIFHFMGYVRV FVRVANFGTDNTRIRLERMLIVFPYF

>comp9054_c0_seq3; 319 627 1325 LEN=1460; translated

MSEYTVIAEISCAKISKEADLGKACLF GCGVSTGLGAVWNTCKVETNATVAVFGLGAVGL
AVIQGAKMAGASRIIAIDINPKDFVIAKKL GATDCVDPKTLGDVSVQKHIAGTMTEWGV D
YSFDCTGNVDVMRSALCAHRGWGVSCIIGVAASGHEISTRPFQLV TGRVWKGTAFFGGFK
SRTDVPKLVQRMLIGTLNVDHFITHKFDGVGGTNAAVEALHSGECLRAVVNY

>comp9054_c0_seq4; 157 59 256 LEN=741; translated

MSTEGQPIKCKALVARAPKVP MVEEITVMPPKAGEVRVKVVCNALCHTDIYTLDGHDPE
GELKE

>comp9054_c0_seq5; 172 216 440 LEN=583; translated

MKSALDHSNLLPAEYKELRLED SKAAPMSPSSFKESLGPSTLTISLRINLMELEERMQ
QSKLFTQENAYAPL

>comp9055_c0_seq1; 1176 19 3404 LEN=3607; translated

MTQKNLPPQSNARGAKTIDNKSYKKS RGHGSQERLTQKFCNARRDTNEDDDHDNEDEF
DHQDSVMDAVGPADSSGHLGTVSSLTEKVIDPTGEVTVLSNDSHDQGANRSLLDLAIDQI
DWLVSNGGEFDRTRIAIQSVDSSEEGEGCLANPNLGIVATDDIRKGDVLRVVPVSLVFS
ESDTRCDGTMTLLQEGDGGDNQSEYAPYLDYIHGRDSLGP I PSMWSPAGRGLLKT IHGP
NLAPRDISDVSYL RDCLDDDERTEFAEETIRQKIEFAYATTLRSWDEDLIPLMDMINHS
SEHNVLKRVVSEETEGDDDDDESEDPGAVEIYATR NIGKGEELFLDYMGRDRD TKHSTP
ELLRNFGFVEDYPQRWVLPVPQRRSNTDANNVPDEISFDVLEVRDGSRYEVRWIDP SMPL
IFGFVVEHLQKEQTRIAELEPLVAETTGSLPPGERETVAKYYRSLLVAYEAAVGAIQKAM

DVLPAPPEENPGDQFMACEDFEALYAEEDGWKLTHGSYSSHQVDYYSNEKKKDVCLFLEE
YLHACISNRPHYHEVVFVHYPAYFLEKVERVLFIGGGDSMVLHEVLKYDELELVVGLLELDQ
HVVRSSFAHMGTPHFNHNDKVEWWFGDAAVALNALQTEYYGTFDLVVVDILSEVAESLQV
TDDVTIMEAAMMLMKPNGIIVKNEDEGYVPGSTDTTKFTNHITDVVYYDVPVYCLQTFVM
GNAVDFSTKQPWDHKLNSFYLGVDVDFQAQFDTWHTSGKATEAEDDEELDGDDPSDESA
NSPNVIGLVMIIIEAEEISIDLDPSSVQEI IQEQLGAVGFTITITESFDRELLDGFTLVSLLE
EEGCVTARCFADKFCVIDVQLWKSahrvelvkkkllaalgseehsvyrvitagiygvee
NDNNPKIGPPEKKSvfgqdsveddatnqreIQTVLEKRKNTTIDFKNATDDYDSTTAL
EQWESQEPLGLQAINKLELPFEYTREKLMSMVVDLLQRALGELVDEWENDEDEDQIVVDSY
DVGEGAIVLATWSEGITILCVWDGDSRLDINIFSLAESAPEIFRSVRNNFRMYLQPIEKDQ
FPRGTGRVINERRTIYGGKHQDGKERPHFPWAPSLDEDEGDDEGDDES

>comp9055_c0_seq2; 1077 55 2868 LEN=3071; translated
MTLLQEGDGGDNQSEYAPYLDYIHGRDSLGPISPMWSPAGRGLLKTIHGPNLAPRDISDV
SYLRDCLDDDERTEFAEETIRQKIEFAYATTLRSWDEDLIPMDMINHSSEHNVLKRVV
SEETEGLDDDDDESEDPGAVEIYATRNIKGKEELFLDYMGRDRDTRKHSTPELLRNFGFVE
DYPQRWVLPVPQRRSNTDANNVPEISFDVLEVRDGSRYEVRWIDPSMPLIFGFVVEHLQ
KEQTRIAELEPLVAETTGSPLPGERETVAKYRSLLVAYEAAVGAIQKAMDVLPAPPEENP
GDQFMACEDFEALYAEEDGWKLTHGSYSSHQVDYYSNEKKKDVCLFLEEYLHACISNRP
HYHEVVFVHYPAYFLEKVERVLFIGGGDSMVLHEVLKYDELELVVGLLELDQHVVVRSSFAH
GTQPHFNHNDKVEWWFGDAAVALNALQTEYYGTFDLVVVDILSEVAESLQVTDDVTIMEAA
MMLMKPNGIIVKNEDEGYVPGSTDTTKFTNHITDVVYYDVPVYCLQTFVMGNAVDFSTK
QPWDHKLNSFYLGVDVDFQAQFDTWHTSGKATEAEDDEELDGDDPSDESANSPNVIGLVM
IIIEAEEISIDLDPSSVQEI IQEQLGAVGFTITITESFDRELLDGFTLVSLLEEGCVTARCF
ADEKFCVIDVQLWKSahrvelvkkkllaalgseehsvyrvitagiygveeNDNNPKIGPP
EKKSvfgqdsveddatnqreIQTVLEKRKNTTIDFKNATDDYDSTTALAEQWESQEPLG
LQAINKLELPFEYTREKLMSMVVDLLQRALGELVDEWENDEDEDQIVVDSYDVGEGAIVLA
TWSEGITILCVWDGDSRLDINIFSLAESAPEIFRSVRNNFRMYLQPIEKDQFPRGTGRVIN
ERRTIYGGKHQDGKERPHFPWAPSLDEDEGDDEGDDES

>comp9056_c0_seq1; 329 74 974 LEN=1222; translated
MKLLHASIGLSLLIGNLPSTEGFSQNSSRRKALAEQTTSGDAFEIKPLSRRGFVVGSTAG
LALLTGLSAPAAAASGIATASDGNLPDLPSEAVRSYLQYRVGLQVAADYYVFLQDMVGD
DQWGEVGLFRVNNNKGQGPSKIERDYVNPRIILLLSFPPEVSEDMRDAQFRFEKAANT
VSKATAGYRRDLPVEVDAKTIASAKAGWEEGRVALNEFFVLLNSAVGLNELTPIPPPGPN
QNKEYGRSARRYNELQKKIKLCQNRGGPALSQAWGQLMVSGYLQDSCGIPDMDDYFTQK

>comp9056_c0_seq2; 156 74 1141 LEN=1389; translated
MKLLHASIGLSLLIGNLPSTEGFSQNSSRRKALLEQTTSGDAFEIKPLSRRGFVVGSTAG
LALLTGLSAPAAAASGIATASDGNLPDLPSEAVRSYLQYRVGLQVAADYYVFLQDMVGD
DQWGEVGLFRVNNNKGQGPSKIGGSVFRKRHERESRRREGEALCAVVVCTAHMYIRFF
PLEQSTPLVLTFGASYFFVERDYVNPRIILLLSFPPEVSEDMRDAQFRFEKAANTVSKAT
AGYRRDLPVEVDAKTIASAKAGWEEGRVALNEFFVLLNSAVGLNELTPIPPPGPNQNKEY
GRSARRYNELQKKIKLCQNRGGPALSQAWGQLMVSGYLQDSCGIPDMDDYFTQK

>comp9057_c0_seq2; 479 382 1425 LEN=1598; translated
MVFVALATTTIGVFSKTKSTANLNSEFGLDLDHPTDSSSQKTIRGSAGVDANNPFFKP
SFVINDIVCTLYLAESDGLEQVTEETNNVFSQGTQATEDSEEHEHTIVKTNHIEERAWVCG
DIVSTDSNDENQHQLNSIMFPDLRSADVDIDDFINSQGAIPGESRLLLSAVLTPGAAEL
FIPKDTTIRVDNLAHSTRKLLPHNGKQIGLMVRVIGSDNKEPNASAKDLFIETFANDEY
LSMSDQIRACSYDKLDIVPYKNAEEGINGVVDIKIDIP IIEGVTERS SVVTNKASALLRDR
FDDPLLDKFDMIQFCLPAGTLPSPGGVKEWLGLSLTGNKISFYNDGDGDW

>comp9057_c0_seq3; 775 382 2571 LEN=2571; translated
MVFVALATTTIGVFSKTKSTANLNSEFGLDLDHPTDSSSQKTIRGSAGVDANNPFFKP
SFVINDIVCTLYLAESDGLEQVTEETNNVFSQGTQATEDSEEHEHTIVKTNHIEERAWVCG
DIVSTDSNDENQHQLNSIMFPDLRSADVDIDDFINSQGAIPGESRLLLSAVLTPGAAEL
FIPKDTTIRVDNLAHSTRKLLPHNGKQIGLMVRVIGSDNKEPNASAKDLFIETFANDEY
LSMSDQIRACSYDKLDIVPYKNAEEGINGVVDIKIDIP IIEGVTERS SVVTNKASALLRDR
FDDPLLDKFDMIQFCLPAGTLPSPGGVKEWLGLSLTGNKISFYNDGDGDWCRSISLKLHEVG
HNMNLAHSGEGKILDDRIGAMGLSYTEVGVGFDRICFNHVKGYQLGWYEDQIVDMNPLAE
ANPVQEFSLVGLHRYTEDKSQVILRLLTPDLPVTGANDYYIGFNEAEGMVSGVKEDFNN
VIIYQKDIEGPIYGSSTKLTQLGFGQSYIIENYNNEGKEVKISLESIDGVAKIKVSDV
ERAPPEKGEDESDCPDSKYPVKLELLPDMYPEDI IWSIEDTATGTTVAYGKDYKVKWQAD
TDVEPDTRLLCLPYGTEMVFIITDLFNDGICCLKSGSYYKAIGPDGETLTFAGGKEAKPPY

TKQYQKEDRRVFTSPPSNAPPTEAPVPVPTTQPDPTANPTATPTATPTATPTVAPVPDPT
PTPNPPSPTL

>comp9058_c0_seq1; 768 173 1966 LEN=2331; translated
MSSQKTDLYPRRRYSFSSSRKNHGALGAKVTPSLVVAPTAASLPAPPAAPD TDVGYDI
VEYGASVETKDETLTLHIETQQIETANEETSKCLEKETQTEEQKLDLGHAKTELRLSLN
QGAMDQLDNAKLFLTLSQLKQEFESTIVKSTMATSVPLSLELQDGRSKASVPPSRPTKP
QAIDENNNATSTASTLSTKEIFEEKDCRANSILSTFRNEEKELKSIRVETRDRDEKSLRL
QQSIESHGLEESLKRAREEGKRLESEVVRDDDTAKTRNAEIQQTREACGSKGQECMELTK
KLAETKKANCDEENTLRRQLQAGMAEVEGLVKEKEEKMLQIEEQKRKNEKISKVIEDYEY
YEKSKEEYNAKAVRIEKEKELQARYTELKLLKLEQEDLEKASLLRKQTAEVEVKLAETK
MKETLDKESTVAVPGKTELECLAEKMKLAIQISDTSKILEREQTIERDALAAKADTMSE
VKKKAELQAEVRVQEEEEINAVIKEQQEFKKPHQDQISHHESI SEKYLAMYETEKKVYDA
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>comp9059_c0_seq1; 644 350 2932 LEN=3067; translated
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GSVADLRQRILQLWAHNPHNLTTSNQTIIPALAVEVWFSPFRSVGDAAEMEDFLPIVSVV
APLNDTDSNGRGRNARPSRDPCEGRQLVIGQRGRILELHYRDHYEYLSDDYFDNDDDDDS
MGYDKQDSPQYACQILRLTQWKLEENKTEQTEYALVTNSISSTTTKELAKLNHLVVAWKE
SGSILQVFGNGESIASINLLSTGTGGGSERANLNPDLRSLWDQSFRLQVFSDSRRWFETR
NPGTGETHTKSGDVDEENKTSNTDVRNVFPGTIHNVAIYTQQLDKESVKNLYREGVEMR
EDPSKAFFEDPENPFEPRLVAVASPIASSTEDPSNSGASVVQGRSALISVGGLDVSNSTTS
LWDTMVEIVNIPRYGLIGPDNSNVRVGDRIIRLEEGYARTGLIYRHVQKDYFSVPTTSFH
GTLLPNAKLPRESFSYCLVSVRKGNDHPEFDREQIILGRSKIVRQEVTFHRNHPPTLRG
VPDEI IQPDRQPTGPGTRPWATLGNHIILSDEADYDIDRVKIDIWTQNGTLTIDLEEQEL
QTLAKITKCANPSPPRAGGIDWICDGQKDRNMTFLATPSDVSRLSNLIYALYWDQSDS
IYLRVSDGTGGPCIDDDRRFSLYSLPNITIRDDCFQAISEIHVPAMSIPVGRSSASVWRD
HSSWWISLLALFLVVLCTCCCAICCFVKFRDRKLNLSVAVAESNSPITLSPASNNDDFA
SIGISRDDVQVVKFQMESAA

>comp9060_c0_seq1; 65 1 266 LEN=266; minus strand; translated
XGGGGGQDMKEAWFLADYSLKMISCLPNEQSVNYERGEVESSTVIFRLCPKDTCTGSDGS
DTLGCDSGFGDFAIGINTFVQAYTESVKD

>comp9063_c0_seq1; 399 102 1163 LEN=1228; translated
MSSSELQESFLNYRIAADFLSKRLATAGISLPSVGIICGSGLSELSNALEGDIVSIKYSE
IPGFPAHCTVAGHKGEIVFGKLSGVPACCFRGRFHSYEGHDMKTVVLPVTVMRCLCVKLV
IVTNAAGGLNSELAVGDVICVSDHLAIPQLAGNNPLVGPNDHDLGPRFPPTSNAAYNEELR
KTAKEAAEELGMKFLRTHGTYCFVSGPMYESKAECRFLRTLGGDCVGMSTIPEVVTAHHC
GIQVLTLSLVTNMVVMGDEGAPVANHAEVLEAVGKRSVQMQLVKKIIEVLNREKLNHQI
EELPAVNLEQAVNQYRRNKRAVSRIGFENVFIPATLAAIFFSTIALRMARGSA

>comp9063_c0_seq2; 231 102 779 LEN=1376; translated
MSSSELQESFLNYRIAADFLSKRLATAGISLPSVGIICGSGLSELSNALEGDIVSIKYSE
IPGFPAHCTVAGHKGEIVFGKLSGVPACCFRGRFHSYEGHDMKTVVLPVTVMRCLCVKLV
IVTNAAGGLNSELAVGDVICVSDHLAIPQLAGNNPLVGPNDHDLGPRFPPTSNAAYNEELR
KTAKEAAEELGMKFLRTHGTYCFVSGPMYESKAECRFLRTLGGGT

>comp9064_c0_seq1; 390 132 2372 LEN=2598; translated
MSQVICVLALSPFVILIVVGSFKVDPSRWFVLPKGTGNSTSIDVFDDVDVTQGGIISNISW
GGVFWRPFLNNLFWNLNSFDSGGNMVAELDSTTPFIRPMMVGFLLTVSFYIFPLLIATGA
SDAEQEDWTDGYLAVINSEVVGWPLGAWTIFAAGISNIALFQAELTSDAYQLMGMDRGY
LPKIFSKRSRHGTPTYGLILGTAVIVLMGVSDLDRLIEMLNFNYSVALLIEYAAFFKLRIS
SRPNIERPYRIPLNTLGCVAFFFPPTVSATLLVICLADFTTYFVAVGTWLVGYLLYAVKRQ
NDQISFSTALEEGNRGDGYAHVAVESVEGDEMGLVDENTTNGEFS

>comp9064_c0_seq2; 481 439 2139 LEN=2365; translated
MHGVRTLGVDSSQRVIEHSQETTSGEFAESSVDVHDLRLSPPTRGNRSDDDLNQIEEEML
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MTAELGTTTFPEASGPVAVVEEAFGHGAGWMQGYLSWVSGATDNAIYPVFLFDYLLQIVRH
ENDDGSDFEFITPAGRFLLASTTIVLAYVNWGRLELVGKMSQVICVLALSPFVILIVV
SFKVDPSRWFVLPKGTGNSTSIDVFDDVDVTQGGIISNISWGGVFWRPFLNNLFWNLNSF
SGGNMVAELDSTTPFIRPMMVGFLLTVSFYIFPLLIATGASDAEQEDWTDGYLAVINSEV
VGPWLGAWTIFAAGISNIALFQAELTSDAYQLMGMDRGYLPKIFSKRSRHGTPTYGLIL
GTAVIVLMGVSDLDRLIEMLNFNYSVALLIEYAAFFKLRISRPNIERPYPRIPLNTLGCVA

FFFPTVSATLLVICLADFTTYYFAVGTWLVGYLLYAVKRQNDQISFSTALEEGNRGDGYA
HVAVESVEGDEMDLGVDETTNNGEFS

>comp9065_c0_seq1; 405 372 1769 LEN=2472; translated
MALISAVPTSSSNASSPLKAAAAGTAESVLPKPPASKTTSCASSLPKNPAPISNGTASTK
MSSRPTQHRRTSMVSESSASTATAGAAAATAAHESAAPGPAAPTNPASAVSPGRSSSQGSGA
ENISYSAERIIGNGSFGVVFEAKVETNEVVAIKKVLQDKRFKNRELQIMRQLVKDPHTN
IVALKHCFYSQGEKQDELYLNLVLEYVPEVYSISRRHHKHNIPLPLMFVKLYLYQLSRA
LAHIHALGICHRDIKPQNLLVNPKNQQLKLCDFGSAKALVRGEPNVSYICSRYYRAPELI
FGSTDYTTAIDIWSEGCVGAELLLGQPLFPGD SGVDQLVEIIKVLGTPTKEEIRSMNSNY
IEFKFPQIKGCQWKKIFRNKTPDEAMDFIAKTLAYTPSKRLNPLEGCAHPFFDELRTSGV
ELPDNGGSLPPLFDWTPHELAAPQEWDKLI PPWTDNSDEKQPAR

>comp9065_c0_seq2; 352 372 2105 LEN=3053; translated
MALISAVPTSSSNASSPLKAAAAGTAESVLPKPPASKTTSCASSLPKNPAPISNGTASTK
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ENISYSAERIIGNGSFGVVFEAKVETNEVVAIKKVLQDKRFKNRELQIMRQLVKDPHTN
IVAVEALLL FAGTSMNCMTLTLVTRTPPGTIQSSARPVYSHRCTTCWRRRTSEILSGCTMY
DFKFVPATNAPIMMSYVEWQFQFAWLI EERRFLWIGPCCNSIVVNPYGCEEYHCRIVVLP
SVFNTLIQNL SFDFLRNGIKLYQGEKQDELYLNLVLEYVPEVYSISRRHHKHNIPLPLM
FVKLYLYQLSRALAH IHALGICHRDIKPQNLLVNPKNQQLKLCDFGSAKALVRGEPNVSY
ICSRYYRAPELIFGSTDYTTAIDIWSEGCVGAELLLGQPLFPGD SGVDQLVEIIKVLGTP
TKEEIRSMNSNYIEFKFPQIKGCQWKKIFRNKTPDEAMDFIAKTLAYTPSKRLNPLEGCA
HPFFDELRTSGVELPDNGGSLPPLFDWTPHELAAPQEW

>comp9065_c0_seq3; 373 372 2165 LEN=2868; translated
MALISAVPTSSSNASSPLKAAAAGTAESVLPKPPASKTTSCASSLPKNPAPISNGTASTK
MSSRPTQHRRTSMVSESSASTATAGAAAATAAHESAAPGPAAPTNPASAVSPGRSSSQGSGA
ENISYSAERIIGNGSFGVVFEAKVETNEVVAIKKVLQDKRFKNRELQIMRQLVKDPHTN
IVAVEALLL FAGTSMNCMTLTLVTRTPPGTIQSSARPVYSHRCTTCWRRRTSEILSGCTMY
DFKFVPATNAPIMMSYVEWQFQFAWLI EERRFLWIGPCCNSIVVNPYGCEEYHCRIVVLP
SVFNTLIQNL SFDFLRNGIKLYQGEKQDELYLNLVLEYVPEVYSISRRHHKHNIPLPLM
FVKLYLYQLSRALAH IHALGICHRDIKPQNLLVNPKNQQLKLCDFGSAKALVRGEPNVSY
ICSRYYRAPELIFGSTDYTTAIDIWSEGCVGAELLLGQPLFPGD SGVDQLVEIIKVLGTP
TKEEIRSMNSNYIEFKFPQIKGCQWKKIFRNKTPDEAMDFIAKTLAYTPSKRLNPLEGCA
HPFFDELRTSGVELPDNGGSLPPLFDWTPHELAAPQEWDKLI PPWTDNSDEKQPAR

>comp9065_c0_seq4; 384 372 1709 LEN=2657; translated
MALISAVPTSSSNASSPLKAAAAGTAESVLPKPPASKTTSCASSLPKNPAPISNGTASTK
MSSRPTQHRRTSMVSESSASTATAGAAAATAAHESAAPGPAAPTNPASAVSPGRSSSQGSGA
ENISYSAERIIGNGSFGVVFEAKVETNEVVAIKKVLQDKRFKNRELQIMRQLVKDPHTN
IVALKHCFYSQGEKQDELYLNLVLEYVPEVYSISRRHHKHNIPLPLMFVKLYLYQLSRA
LAHIHALGICHRDIKPQNLLVNPKNQQLKLCDFGSAKALVRGEPNVSYICSRYYRAPELI
FGSTDYTTAIDIWSEGCVGAELLLGQPLFPGD SGVDQLVEIIKVLGTPTKEEIRSMNSNY
IEFKFPQIKGCQWKKIFRNKTPDEAMDFIAKTLAYTPSKRLNPLEGCAHPFFDELRTSGV
ELPDNGGSLPPLFDWTPHELAAPQEW

>comp9066_c0_seq1; 669 106 1650 LEN=2022; translated
MGFLDNI FKNDEK KKKAGSGSSNNNSNNNPIANIRKNI EKIGQPRFNGAGQSLGGSKPG
VVIDISLHEPGPLGIRVEKKSNDGSAIVSQVVP GSQAERSGLQRGDVLCFSGSGGQNEI
PYKMFLDIAQSEQRPIRKYGSFCAWWSNGMELDGTGWAGRVS WLGSAWRDFNAIRSKGA
MGSLLPPGAGFCNMHDATIIIRHETLKRKESNTRSCAFFFFSNYASLMFLNXMGLDL DARR
FDESKGTRKDQGSADAEARRRAMIAAVDAREKKYSQTKTIKHVTKSTLLKQQQQQDVN
NFTEEQLQPQTEASRQAMEAAKQGEAILAAELGYNPYEVIKKTAGQARTATTATQHGAIQ
APASSGSSNTATLPAVAPPANPTSEAIDSDDERTAGYSVEFEEALAEVVAFGDKEAARNG
LKIARTLVKNATTKGQQADETKAEKFRKVR LANAKIKAAIVDVPGNLQLLMAVGFQLTED
SETNESVLFVPPFCSPVWLPQALRSMEKREKAL

>comp9066_c0_seq2; 714 106 1356 LEN=1728; translated
MGFLDNI FKNDEK KKKAGSGSSNNNSNNNPIANIRKNI EKIGQPRFNGAGQSLGGSKPG
VVIDISLHEPGPLGIRVEKKSNDGSAIVSQVVP GSQAERSGLQRGDVLCFSGSGGQNEI
PYKMFLDIAQSEQRPIHLDARRFDESKGTRKDQGSADAEARRRAMIAAVDAREKKYSQ
TKTIKHVTKSTLLKQQQQQDVNFTEEQLQPQTEASRQAMEAAKQGEAILAAELGYNPY
VIKKTAGQARTATTATQHGAIQAPASSGSSNTATLPAVAPPANPTSEAIDSDDERTAGYS
VEFEEALAEVVAFGDKEAARNGLKIARTLVKNATTKGQQADETKAEKFRKVR LANAKIK
AAIVDVPGNLQLLMAVGFQLTEDSETNESVLFVPPFCSPVWLPQALRSMEKREKAL

>comp9066_c0_seq3; 838 124 1914 LEN=2286; translated
MYSLLSFRVTVVLTVTVVAQGIAAQEYDYPAGKTFKTMGCNVCRDTPNPLVAWRNLANRQE
SFKMEGETWTWTCGYLQDTVQDVNPYNGGGEARWICALAQTFANDYCTCTGPDIGNMNDNVKQ
INPACDLCQGGQLSYVPSVNSGITANTGVAGNMNCQGLYNAMAQGVLTSNLCPTVIANAG
PTCCAWEKIDINQVGGFGGSSNNNNNSNNNPIANIRKNIKIEKIGQPRFNGAGQSLGGSKPG
VVIDISLHEPGPLGIRVEKKSNNNDGSAIVSQVVPGSQAERSGLQRGDVLCFSGSGGQNEI
PYKMF LDIAQSEQRPIHL DARRFDESKGTRKDQGG SADA EARRRAMIAAVDAREKKYKSQ
TKTIKHVTKSTLLKQQQQQDVNNFTEEQ LQPQTEASRQAMEAAKQGEAILAAELGYNPYE
VIKKTAGQARTATTATQHGAIQAPASSGSSNTATLPAVAPPANPTSEAIDSDDERTAGYS
VEFEEALAEVVAFGDKEAARNGLKIARTLVKNATTKGQQADETKAEKFRKVR LANAKIKA
AIVDVPGNLQLLMAVGFQLTEDSETNESVLVFPFPCSGPVWLPQALRSMEKREKAL

>comp9066_c0_seq4; 793 124 2208 LEN=2580; translated
MYSLLSFRVTVVLTVTVVAQGIAAQEYDYPAGKTFKTMGCNVCRDTPNPLVAWRNLANRQE
SFKMEGETWTWTCGYLQDTVQDVNPYNGGGEARWICALAQTFANDYCTCTGPDIGNMNDNVKQ
INPACDLCQGGQLSYVPSVNSGITANTGVAGNMNCQGLYNAMAQGVLTSNLCPTVIANAG
PTCCAWEKIDINQVGGFGGSSNNNNNSNNNPIANIRKNIKIEKIGQPRFNGAGQSLGGSKPG
VVIDISLHEPGPLGIRVEKKSNNNDGSAIVSQVVPGSQAERSGLQRGDVLCFSGSGGQNEI
PYKMF LDIAQSEQRPIRKYGSFCAWWSNGMELDGTGWAGRVS WLGSARDFNAIRSKGA
MGS LPPGAGFCNMHDATIIIRHETLKRKESNTRSCAFFFFSNYASLMFLNXMGLDLDARR
FDESKGTRKDQGG SADA EARRRAMIAAVDAREKKYKSQTKTIKHVTKSTLLKQQQQQDVN
NFTEEQ LQPQTEASRQAMEAAKQGEAILAAELGYNPYEV I KKTAGQARTATTATQHGAIQ
APASSGSSNTATLPAVAPPANPTSEAIDSDDERTAGYSVEFEEALAEVVAFGDKEAARNGL
KIARTLVKNATTKGQQADETKAEKFRKVR LANAKIKAAIVDVPGNLQLLMAVGFQLTED
SETNESVLVFPFPCSGPVWLPQALRSMEKREKAL

>comp9067_c0_seq1; 567 12 1166 LEN=1372; translated
MTEDEVPTNTTNI VMGNCLGASDEPPAPEPAPRSKSGSGSKPSSGSKSKSKKSSSDGL
VEGSS TGKHFSEVYKLGKQLGEGAFSVVKEGQNRQSQKSFAIKIVTKAKLSKEDEVALKD
EIDVLKMEHKHIIRLYDVFEEPHHYLVTEKMGGGELFDRIVQKSYNEKEARDTCLIL
LSAIIHYCHEKKVAHRDLKPENLLLTSEKDDSSIKIADFGFAKRVKTPKSLTTQCGTPGYV
AAEILEGQPYDTQADMWSIGVIVYILLGGYPPFIESNQRTLFRKIRKGYEFHEEYWGQV
SEDAKDLIRSLLTVNPDKRLSATKALS NKWIGADASTLASMDLGTNLEKFKQFNAKRKFK
AAVSTVMAANKMQSLGINFKQNL D

>comp9067_c0_seq2; 239 282 671 LEN=877; translated
MWSIGVIVYILLGGYPPFIESNQRTLFRKIRKGYEFHEEYWGQVSEDAKDLIRSLLTVN
PDKRLSATKALS NKWIGADASTLASMDLGTNLEKFKQFNAKRKFKAAVSTVMAANKMQSL
GINFKQNL D

>comp9068_c0_seq1; 526 109 1281 LEN=1299; translated
MEFLRLRSVILALSVVVASRNRNYCHGFSTRSSSSSTRITRTRRNSHDNNVLI LDHINI
NHEKGRHDWLKSFYGE EFLGCAWDPRKAKNIETGRKTLWANIGAHQFHLSEGSPDAQVLD
GLVTVVHPSLET LKERYQAITS DPDAALNDSKFNVEVENDDDGEEALDVTDPWGSVFRI
VNEQKTIPGERDSRGSQPGDTSEGLAIRDLTVYVPIDANLDGIGRFYRDVLGGELVDES
RDDENRAVVQIRMGPLQTLTFVPKESIEVNTHVLDREVQDADAKSQGTSTTLGNYGVHIS
LYVADLPSCYQRASDLGLTYVNTFRSRRAYNLEEAVNDCMFRCLDIVDPENVQDGPILRL
EHEVRSVLKRDGTYKSCPFEEIPENCVTL

>comp9070_c0_seq1; 289 84 1511 LEN=2097; translated
MTTIGRSLRRCLRRTRTSSFHQTAVAIGPSPTTRIASSTLHSTFP SGIKAIREFGSLTGN
AAADGTRMFFEWLEKSYGARFEGNPLPMDEPCDGSNTNNNI VVTRDSLELDDLERLFRHE
ILALRVRGFYPAEAASDLGRELAFEGKTKSAQNWKVSTSRGLESSDVATVGRHPPYNI AV
SNNSLDQYFREVRNELRDRRGLLLRSNAGAAATASAEGNGASVYANPSDKEHQHTQNRSS
SQPRLWPLDLLRLELDELWPRGAGLARASDTSSAGDESSSRDANRCMGGGLPRLMVGPT
RWKRGLVHVDELAPLDDQKGCFSANVYLQLPYGSNSRNGNGRTTTTINTNQDDKKDSDS
FKKEEQVMEI WPLGIRSKWDWYRNAPTLSHLTSQDPEGQVVLKVLGTEHKQQISVSPG
DLVLLCQVRPHCAIGFGHEGAGSETSAATGKLQTRVSLQCFLQYNGRDKRLTIDS

>comp9070_c0_seq2; 298 84 1256 LEN=2330; translated
MTTIGRSLRRCLRRTRTSSFHQTAVAIGPSPTTRIASSTLHSTFP SGIKAIREFGSLTGN
AAADGTRMFFEWLEKSYGARFEGNPLPMDEPCDGSNTNNNI VVTRDSLELDDLERLFRHE
ILALRVRGFYPAEAASDLGRELAFEGKTKSAQNWKVSTSRGLESSDVATVGRHPPYNI AV
SNNSLDQYFREVRNELRDRRGLLLRSNAGAAATASAEGNGASVYANPSDKEHQHTQNRSS
SQPRLWPLDLLRLELDELWPRGAGLARASDTSSAGDESSSRDANRCMGGGLPRLMVGPT
RWKRGLVHVDELAPLDDQKGCFSANVYLQLPYGSNSRNGNGRTTTTINTNQDDKKDSDS

FKKKEEQPVMEIWPLGIRSKWDWYRVCQLLY

>comp9071_c0_seq1; 382 20 637 LEN=871; translated
MKTFTLLLAGTAAAFAPAAKQGSSTQLAADLDSMAGSIKPIKNFDPLGLADIGSDETLA
WFRAAELKHGRVAMLAFFSGYVVQSMGFHFPGKLASDVDFSTLSAMKPFDAWDAVPDAGKA
QILGTIFVAELASESQGTHYMKGGNTPEVVFPPKFDGSGVDADTLKTKQTRELQNGRLAMI
GIMGFIAANNVPGSVPALAGLEGFN

>comp9072_c0_seq1; 512 31 1425 LEN=2286; translated
MDASSSSSSSFSSFENPCELVRTTCRRWMEEEPPVVEAAGGIGCDETAGWDRTDRHGEGRR
SVRIRFDRLPALAEEIRTQRRRQETADGATHKDERSDRDRREGEPTAEAEAGESTSGDNDG
QESWIEWDTEGWHSYSGEGFVGSSEKERRERVALYLLALDAINFCEWPLPEGSGGEEEDRSAR
SSSHSSRNLLLEYEHLAIALKMAEADHTTPKDPREPRPEYAFSARSLSAATPESMLASL
RPFLLDPKKYPLPNPEQRAALWREVGEGLKDYGGSALALLDRAGKNAPKLVERIAASFPG
FRDEAYLPKGGEPNKRNPQRHHQRLVFLKRAQILAGDLNAALKLNLGGIERLTTTFADYR
VPQILRHRGVLEYAPGLASRVLDGLVELGKGCDEVSIRAATVVAVEELVGLLNQPSKRGD
GGQPPPAAGGYSDVTVDWYLVQAGEKMHREGAMKPFHKVRTHYY

>comp9074_c0_seq1; 470 1 1523 LEN=2294; translated
XSSDLQYSHDAILDSVCDGNKMDITNEICDLPAAMNAGEGQEHQYCEQQPVRSSSSSRSG
GPSGVDSVLSDRAIRAIFLLLVGILIPWNAFVSAKPYFTARLCQSGHDVVNFEQWFGLI
WNLSSVGSGLLIIMGQSVVEYWKRNPHITVDDNQSNSSSSNDSGSTEKKNGSFYNVIVP
LGLYTVVFFIQALLVTIPDISPTHFLVVTLIGLGLCGTCGAIATAGIVSTAGLFP SHIGI
NPFSSGQALGGTAVSVANFVAIAMGEDPSDYIDKHCTPAKNHSYVVDFEADDLISSTAIQ
RRVDEIFHFTEEPQDCSAYHSLDWAVLSYFLVGCIVLFLCLVGYNKIFQHQNMSYRNDYE
TVRDHLFDPSNRSDSSQPRTEVDDHSPRIGLELNDRVCQRQQMQYNDVELPNSSTRSE
QLTMISSYHDQLVTNNYDTGNSKAHPMSDPETAQMTGSSSSNDSCLPKMCGASTDDEGGD
ENQIQTDIFEDEEDVDTGGSGTTSILW

>comp9074_c0_seq2; 429 1 1588 LEN=2359; translated
XSSDLQYSHDAILDSVCDGNKMDITNEICDLPAAMNAGEGQEHQYCEQQPVRSSSSSRSG
GPSGVDSVLSDRAIRAIFLLLVGILIPWNAFVSAKPYFTARLCQSGHDVVNFEQWFGLI
WNLSSVGSGLLIIMGQCVAKRGVTVCFQNNVLSLLRKAVVEYWKRNPHITVDDNQSN
SSSNDSGSTEKKNGSFYNVIVPLGLYTVVFFIQALLVTIPDISPTHFLVVTLIGLGLCGT
CGAIATAGIVSTAGLFP SHIGINPFSSGQALGGTAVSVANFVAIAMGEDPSDYIDKHCTP
AKNHSYVVDFEADDLISSTAIQRRVDEIFHFTEEPQDCSAYHSLDWAVLSYFLVGCIVLF
LCLVGYNKIFQHQNMSYRNDYETVRDHLFDPSNRSDSSQPRTEVDDHSPRIGLELNDRV
CQRQQMQYNDVELPNSSTRSEQLTMISSYHDQLVTNNYDTGNSKAHPMSDPETAQMTG
SSSNDSCLPKMCGASTDDEGGDENQIQTDIFEDEEDVDTGGSGTTSILW

>comp9075_c0_seq1; 226 312 1094 LEN=3042; translated
MKLRSSLVLLFGSLQLVGCNSNIYYDEIGSEGVSSQQQEREASLEQMIMEEIAAEELTEEE
IVRVEAMLAGDNTNYAEVDPAGYEEYDYEYEVVDGEYNEQRQLRPYGYAPRRVRRPGQSS
NYNQRISAYNPRPLPFSAPPPKKGFPKAKFKKGGPPKKGPPKKGPPKKGPPRPPPPADNFGFQ
APPGFNQIGIFVGSDDGGNPVIVQARPGNALSSMLGYFRVNINGIPMVLIVEEEEPVGV
FPGVPTVEPTNRPSATPTKKP

>comp9075_c0_seq2; 226 379 1161 LEN=3109; translated
MKLRSSLVLLFGSLQLVGCNSNIYYDEIGSEGVSSQQQEREASLEQMIMEEIAAEELTEEE
IVRVEAMLAGDNTNYAEVDPAGYEEYDYEYEVVDGEYNEQRQLRPYGYAPRRVRRPGQSS
NYNQRISAYNPRPLPFSAPPPKKGFPKAKFKKGGPPKKGPPKKGPPKKGPPRPPPPADNFGFQ
APPGFNQIGIFVGSDDGGNPVIVQARPGNALSSMLGYFRVNINGIPMVLIVEEEEPVGV
FPGVPTVEPTNRPSATPTKKP

>comp9076_c0_seq1; 951 266 3505 LEN=3757; translated
MTITPGVHSLMMLRVQLSVLLMMIWKAAAYVSCFAISSQRKDHFRQPLSVQTRGYDNAR
FQTSNLLSMQSYHSTEQKPHSMLYNNKNGESATVETTGDATNFNLKQLTTDADSLAERS
SSTKKA FREMKNEKAEGKTPIDRRIFMGSSLVGTSALLASTLGAGNVANAMQLPFGAGSE
TSSSSLSNNSINGGYFGKLAWESTPVNKRGTITVFDAEKAGYNVRFVTYLSRFLLVFDRD
CQRWWYNKAAEIPILSTAAEVEAIRLKQFGAFAASVEVGLQDYQSVGEKDTAVDGPRLM
TSLRLARYCPTIEEIQSERERKGLPPSTEQEEAKDRREIKEAKRQIALLFGLLESTQPV
EALIKLLSSIDNGSVASVTIQDGGGGYAPGYGPPRVEFFPRPKAGDDYQTATGRAVIQPNGQI
LRVDLENRFGFYSSPPTVYISAPGEDRGVIVPGTVAATAKASIFKRGVKNKGRMDKILIVN
PGKGYMEGEKIRVVISPELDAKLGKATATAILEYSVTGIEITSAGNGYVVEKQIPIY
VEPPPLTARVNMNDPLMARLIDPGKPIPATTIATPKQREKIALNTNSSDPNTFIYRVKQQ
AFNDGNGGGGGCIGRACYGXVTIKVEDIVTFFNFLQGCYSFIVDTPVIAFATAKAESSSF
TTFRNENDARKIIEDEEALMKDRAISAASGGQDSQLPIFWNGGPPSSSSGQLLTLLPPGLG

LEFDPELKRFLVSTSSSEYFDINQGSPLFGGSTRPLDPEFGPRGRSPIDREVQLDFPSYLR
FCLSGAICASGVHLMVTPLDVIKTKIQTDPENYPGPIASFRKIIDEKGATGFFNGWIPTF
VGGFFWGGFSYSLTEFIRRSLLISSGPQANLEIQIVLVSASVASFFGTFFILVPPFESVRI
RSVAQPDFGKNIFDVTSRMVKEEGAWSLFSAAPPLLLKEVPFAMAKFSIFTAVTQYLYQE
FPVAQEDIQLSLLVSLVGGIFGGAMAAIISNPADATISEMKKSVSDMSPLDAAKTVIERG
GYANLMRGLPIRMCFYPLVVSFQFLIYDAIRIYLGVGADDLKVYLDVLDVGGALQEGGAPA
>comp9076_c0_seq2; 1044 266 3430 LEN=3682; translated
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FQTSNLLSMQSYHSTEQKPHSMLYNNKNGESATVETTGDATNFNLKQLTTDADSLLAERS
SSTKKA FREMKEKAEGKTPIDRRI FMGSSSLVGT SALLASTLGAGNVANAMQLPFGAGSE
TSSSSLSNNSINGGYFGKLAWESTPVNKRTGITVFD A EKAGYNVRFVTYLSRFLLVFDRD
CQRWWYNKAAEIPILSTAAEEVEAIRLKQFGAFAASVEVGLQDYQSVGEKDTAVDGPRLM
TSL LARYCPTIEEIQSERERKGLPPSTEQEEAKDRREIKEAKRQIALLFGLLESTQPVEA
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>comp9078_c0_seq1; 312 163 1395 LEN=1662; translated
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>comp9079_c0_seq1; 202 1 206 LEN=446; translated
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>comp9080_c0_seq1; 399 1 1785 LEN=1938; translated
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>comp9081_c0_seq1; 1402 126 3591 LEN=3858; translated
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>comp9082_c0_seq1; 162 1 1030 LEN=1779; translated
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NLKPGVDVKEKWTKEVCLESFPLDFSTDADKILSLEKCDQEIISSLRKSRLGHPPLAME
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>comp9082_c0_seq2; 187 604 1333 LEN=1792; translated
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VWVDKTLRSLQLQVVEFPKATGNSREAKVSVLAEEESYLKARVYYRGFFNSDVVTDHGGEF
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NK

>comp9082_c0_seq3; 142 604 1162 LEN=1911; translated
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VWVDKTLRSLQLQVVEFPKATGNSREAKVSVLAEEESYLKARVYYRGFFNSDVVTDHGGEF
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NK

>comp9082_c0_seq4; 207 1 1201 LEN=1660; translated
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>comp9083_c0_seq1; 263 1 1084 LEN=1156; translated
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VRNLCANDEVKTTICRSSLHSILRVMQHLYLDEAPGRRTRGHAAALQEHACGILAAAMALRQ
PQNAHATVEEGGHVLFVFRAMRVFPDTVALQRQGLAVRNIAASRLARADHGEDVAKLLDAG
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>comp9084_c0_seq1; 83 67 689 LEN=689; minus strand; translated
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>comp9084_c0_seq2; 145 1 858 LEN=858; translated
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>comp9085_c0_seq1; 102 257 1240 LEN=1340; translated
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>comp9085_c0_seq2; 554 1 1986 LEN=2086; translated
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AA

>comp9086_c0_seq1; 239 1 1015 LEN=1758; translated
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>comp9087_c0_seq1; 881 98 2152 LEN=2421; translated
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RLIFFNLFLLGIDSAFAFMEAFITV LQDTIFFEKVPRFWIAAGVSIIGFLFSLMYCTDAG
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LWFSLDPAVAVWAGFVGF GWFYTFVGVTHFYITKVLANDTEGKWTMKS LWWDVYFGN I L
SLRDRMQEVI GWVPFLWCVLMKHFIPHLLIILFINLATSETNEGEALLGNYGGYANLPYQ
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>comp9087_c0_seq2; 713 98 2310 LEN=2579; translated
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SDGVKEYIGIWDVSVLTSQGEVWSVAC SQIFFSIGLTFGILTAFGSHCPRSEPAANATV
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RLIFFNLFLLGIDSAFAFMEAFITV LQDTSTVMRITRETIAIIVIMKLDMCLGTFLRCLY
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VAVWAGFVGF GWFYTFVGVTHFYITKVLANDTEGKWTMKS LWWDVYFGN I LSLRDRMQE
VIGWVPFLWCVLMKHFIPHLLIILFINLATSETNEGEALLGNYGGYANLPYQVLGILVVA
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>comp9087_c0_seq3; 829 98 2259 LEN=2528; translated
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VAC SQIFFSIGLTFGILTAFGSHCPRSEPAANATVVSLANSLFSFISGF AVFAALGHLA
FLENKQPTDLEYS GFGLVFGTWPVVFN TLPGGIHWVRLIFFNLFLLGIDSAFAFMEAFIT
VLQDTIFFEKVPRFWIAAGVSIIGFLFSLMYCTDAGLSFLDVIDFYINFVMILVGF FEAF
GSAWAYDFPGQLERQTPAVVYSFWTANFGAVVLGCI LWFSLDPAVAVWAGFVGF GWFYTF
FVGVTHFYITKVLANDTEGKWTMKS LWWDVYFGN I LSLRDRMQEVI GWVPFLWCVLMKHF
IPHLLIILFINLATSETNEGEALLGNYGGYANLPYQVLGILVVAFTLVLFAGGLVFPNLY
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>comp9087_c0_seq4; 661 98 2417 LEN=2686; translated
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>comp9087_c0_seq5; 881 98 2152 LEN=2433; translated
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>comp9087_c0_seq6; 829 98 2259 LEN=2540; translated
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VAWGVKWTGRIAYITMGLPVILLFVFLGKALTLEGASDVKEYIGIWDVSVLTSQGEVWS
VACSQIFFSIGLTFGILTAFGSHCPRSEPAANATVVSLANSLFSFISGFVFAALGHLA
FLENKQPTDLEYSGFGLVFGTWPVVFNTLPGGIHWVRLIFFNFLLLGIDSAFAFMEAFIT
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>comp9087_c0_seq7; 661 98 2417 LEN=2698; translated
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>comp9087_c0_seq8; 713 98 2310 LEN=2591; translated
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VAVWAGFVGFVGFYFTFVGVTHFYITKVLANDTEGKWTMKSLLWVDVYFGNLSLRDRMQE
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>comp9088_c0_seq1; 399 1 984 LEN=1195; translated
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LAAQGAKSAGVERFVYIAVAPEVKEFAEGIDFLKEYMKGKTF SQNAVESNFPKGSVHLIE
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>comp9089_c0_seq1; 267 472 1446 LEN=2351; translated
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SNSGGDSMGEGFLSCLWLPVTENDNHKRRIVIEASHSASLPKAAVRTRGSVGDGESLPLE
LYRAEGVPKVEQVSKLIRCRMPSESQPWMIQRAKWEELSSGSDNDPEEAVILEKDNDTENS
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>comp9090_c0_seq1; 400 102 1016 LEN=1293; translated
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IRAAAPEAGIINDYITQTTTSSSKGDILYICIRAGKIDDNALMERIAVDDLVTFFLYS
KEI IALAANDRSVKNDKLAYVLTVDLNSGKIGGIDATFR TALGDSSKQANELYPSLGGP
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NIVY

>comp9091_c0_seq1; 274 1 1179 LEN=1217; translated
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FLSENHQDLFSPSIKLPVEEYHCEQSFPSKLLSQMKEDSGVNLGSPKSGSKCHESGDGFV
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TAASSVEKHVMKCAKVDDEIKQEVVKARTYHSHKQRKNLTSGAQSAFYARLYNRMQSMRRP
YHESELSPGYNTSISSTQEKISATSNSAVDEKEDTYREFD SHLDVMDYIQNAEPWKSQK
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>comp9092_c0_seq1; 965 1 1898 LEN=1992; translated
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DSNEPQDVMCKACTALFNFTGPLFLALHRLPKGGMYLPLVAVLEHVILTFISRVKQQV
SRICNDKTALQLLMDSTGSSVSATGSDGRQIKRSQSFGQVMERRKSFAQLVLAYADGDL
LDAVNDENTGELAGVPSLPAPTGDTPRGTNLSNKIVGMEDLDFEGGVEREELNLSVELNF
VRPYLEFAGMEHAQIKVCPDEDLMKAACLAHSLLKLASLLDSRLKVR SRLGIAS TKTLTN
TRALREAIKTIKANGKMAKFCRADILLQGITRLCKVCNSSTIVARDAVRIPSSINDLGE
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DRSGSVLYRDLKAGATSFDNSFWDIE LAAVSFERSASF IAMMELEMAELEAYYQENRDDFT
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>comp9093_c0_seq1; 271 70 864 LEN=1626; translated
MVSPSRTLTIVITGASRGLGAGMARTYLERGHKVAGCSRSPPPADLDSSAPDNSKEGQLY
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LMGVFHGT KAYINHCRSRARVGAAPSTLVNISSGA AVKGYAGWSAYCSSKGAVDRLTECV
LAEELADADNSKLC LRAYSIAPGVIDTDMQAMIRGMDKADFP MVDFHEIKANDSFNTPP
YVAIEIERLALLEGPQALPVVQRI

>comp9095_c0_seq1; 432 140 3780 LEN=4032; translated
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SARAVGTIDLVGKAGNNGSTTDISWSPSTKANLLAVTEKNGNAHVVDTRKLGAGGSTKT
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EAGADEIAFXPEGPPAGLRPVRFGGLLPADPREDDAGAPIGGGVDPGKCGAXQRTNATHF
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SQDEKQVETVNIIVSFPDVPSSSTSYGTILRAKCGFELNHSKRDSTIPNPKNKEPQLKKIPYI
KILIRSVQWNSTVSVPRYRQQTRSSKDATAATAQNGRRSQPCPARTYLNTMETHRSPVVK
TVAVYQHDGSIVQLRIGFSEGVGLQGLRSIESLESLLVAKGCDVREELQAYVIWTRIAV
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HIYPRALQIVDNNAILKEQIFVHKYWNGMEEILKLSILCLETRTGECDLVSSSXVASNSH
GVHTILHHSVASAGGLVMRSTGIVSTTQKILLWKHVAEDEDLKSCYYELLKIFRSCDVW
RNVHLSTGFEDAEISHEEEHVREPNEAIGMYNPDGIGMIRHNPEIMVRIYGYLSLGDRIY
KLSLVDRAFSRDEIRSGIASATYKGFNLHQALLELRLWALEERQSDNIGEELELASPSG
TGIAYQGPTLKRKRDDDFHTEIRISKISRMLEAAKVTDKEPLLYVRSNLKNTLVTPGKREQ
WMAQHIQEFRLNENCKLRGHCHQRIQSQSWMDIVRVETFLRRYFFDGRVNRLEQLMQDV
GFQNDYERYKRSQFLSSNKIFDHEKLIWCLPDLSPGCILLPLGLEDDQAGDAAGNVGCWR
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VHMFSPKRGAGA

>comp9095_c0_seq2; 540 140 3694 LEN=3946; translated
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SARAVGTIDLVGKAGNNGSTTDISWSPSTKANLLAVTEKNGNAHVVDTRKLGAGGSTKT
PSTPGKRTAGSAFVKTFCLRPKIVDACLFSPSGDHLVAATSENGYGELTVWNWEKNGSDA
ENSHPNKSSSSNQNYVPAHTGPVYSVCFSPDGRRLATGGGDALVGLWDVRSVMCERV
RCGRFVRSVAVSFDSSVVAIGTEEPWIDLADSSTGDALGKVRFGGGDASGGANRRRAPDA
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SQDEKQVETVNIIVSFPDVPSSSTSYGTILRAKCGFELNHSKRDSTIPNPKNKEPQLKKIPYI
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TVAVYQHDGSIVQLRIGFSEGVGLQGLRSIESLESLLVAKGCDVREELQAYVIWTRIAV
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KILLWKHVAEDEDLKSCYYELLKIFRSCDVWRNVHLSTGFEDAEISHEEEHVREPNEAIG
MYNPDGIGMIRHNPEIMVRIYGYLSLGDRIYKLSLVDRAFSRDEIRSGIASATYKGFNL
HQALLELRLWALEERQSDNIGEELELASPSGTGIAYQGPTLKRKRDDDFHTEIRISKISRM
LEAAKVTDKEPLLYVRSNLKNTLVTPGKREQWMAQHIQEFRLNENCKLRGHCHQRIQSQ
WMDIVRVETFLRRYFFDGRVNRLEQLMQDVGFQNDYERYKRSQFLSSNKIFDHEKLIW
LPDLSPGCILLPLGLEDDQAGDAAGNVGCWREHRFMSGCLCEKLGHEHDKSIVVRCRHGHQ
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>comp9096_c0_seq1; 388 1 1645 LEN=1645; translated
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FERCSYRQMTLEPFDTGLDFRYGIRPMEIANGVVDLALTEEQSLELADTDPDTGYSTI
KPNIMRYSREVAACKLGNLRQQFDHVLVYCLPETVTGFLATAIINRYNSWYTGDLCTSLP
VTMHEIGHNLGLEHAGFKEIYDDTTGYMGYSSFEDTVKCFNPANSYKLGWYDKQTVSVD
IRLSGDYHRFLLRGIVDYEPGEPPEPEKAGTSSNTDYGIGEAPVTIPGSGDRDGREDS
VVLRLQTKGAQGDYVGYNRRVGMNEGTEGWPDVAVLVVQKLGSAAMGAAQTKLKAALRSPG
DAYAIQGHNGKAGRPLYIRWESLSADGRDAVVVLSTTETRAPSVAPTALPGPGGDESFR
YKWDPSLDCGWVARNPDKRCSYRWKGAWSGHWCPAACSGVATGPGSSGHCRKGGDDPSF
SFNGFGKAVVKDCEWVRAPKPKRCSKQYTKNKNKIQTAFKIVLTRAUFANSRRREDATP
RHATPQDK

>comp9097_c0_seq1; 265 1968 2693 LEN=2939; minus strand; translated
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YGDRDDRGGGRGGQVIMGLDIQALVDRLVRPGCDIYRELGITRESNMAVFQSGKAVTAI
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Y

>comp9097_c0_seq2; 265 1659 2384 LEN=2630; minus strand; translated
MDNPGNGENGGGPQRDNRSYNSKSERGRGGEGPMPTRYSGGNNGPFNGSGRGSGRDQR
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YGDRDDRGGGRGGQVIMGLDIQALVDRLVRPGCDIYRELGITRESNMAVFQSGKAVTAI
ISNLARRRNLRIANCVWDWIDHIGIEKNTFHYNAMISACEKVRDYNKALSSFLFYRFFLN

Y

>comp9097_c0_seq3; 265 2112 2837 LEN=3083; minus strand; translated
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YGDRDDRGGGRGGQVIMGLDIQALVDRLVRPGCDIYRELGITRESNMAVFQSGKAVTAI
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Y

>comp9098_c0_seq1; 196 224 1081 LEN=2845; translated
MDRFRRLVTFKFTAFALILTKAITTATKVVSSDRQPQSPSIKLLTENNGNIDNDDDDGH
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LVTSSRNFSHTNGSLSQGSSSAALRSQSYRRLRKYSVVNQGNPGGERSPQDPELGLGSG
GGGMRTTSRGGRIVRTSRSGNNINIGSGYSSRMTLSSSTASLNSSNPDSLGLDEQPVSSG
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>comp9098_c0_seq2; 204 224 1981 LEN=2562; translated
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LVTSSRNFSHTNGSLSQGSSSAALRSQSYRRLRKYSVVNQGNPGGERSPQDPELGLGSG
GGGMRTTSRGGRIVRTSRSGNNINIGSGYSSRMTLSSSTASLNSSNPDSLGLDEQPVSSG
DLARATFRRLILVAMASRTVAIPIQVYSDPLWVQLIADTFPVMYATAWTWLVSFVQLV
TVALGSTNSIGVGNASTADISASANTTRSPQSPYRPAAPIDTVIQITAYVVYALLIIAFT
IFRRIAAVLLYALLCCVYATLLGTALYFCPRLALLLLSGLDGKWHSPVLRLVACSGVS
LLVFAARTFCFAKKVVQSTKPLGRMSGGPYWWFQYGALELLPGVFLVLLHPKRTAAPNS
ANTSSGNGSTKSSSSGSSSGRINQYPTVSGFGGERGDPHPSGRRTPPFYSSYQRSDSND
SKPGTPSPSPTPPVMSQTNVTISINTIGNIKSNPKQETAPLLNYE

>comp9100_c0_seq1; 471 287 1316 LEN=1316; translated
MSNDQAQRIFDSVVATTKPDRGHELRSSLKIDKLAHTSSGRSDESSFRSEAFSNQANIT
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MILNQINPLPKNAGNIKSNTSVGTGDSGYHDVGNHQGRSHNDNEQQRSENSLSHSTNTF
QNQQQHGPSTMQGWPTTVAATSNIPTAIYAQQQLQHRFLPSQSQPQQQQQLQVIQGGQEQQQQ
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>comp9101_c0_seq1; 1630 173 4690 LEN=4729; translated
MTDKNREELSSFRPGDVVETIYGVGVIVSRPPESIDASDENGVSFLFYRVLLWRAAGRSI
GSSSTASLRPEALLRKMPAAPGMITTKRESLEVTRAENDEKEQPQKYMVQAYYSDRQVYR
IVPIGSEKSEKPEDESTSNKGDVDPALNRRLSRLSIVMSASQLDENLAIPEEVSIDELAE
SAPCAKFYPLLQLIERGNKAASATKNFISDYNRDEVKELKEQVTGVAKQATPYLKEQT
QKIGLHLDKVKSTATTAVADPETQAQVKVDVSDSSDKIALKVKQTAETEEVQQLMEMLK
TEDLTVLLEKGERLEQLLNDIPRNTQIALEKAGVRIVLDLDDDERETSMYKKTVVK
RKAALAMQTVLDQANVNPDDVQAIQKSLSDNFGSMLDSWTEAAKSDRTLSGLLDTVNDQ
TAAWQEATGRLLNTRSAGIFLDGASRIQARAKNLFKQDQWAGEVGSKFTKAFTEGDA
VARLKSIELGDSVRDLVSAIEVRSESLGGLDGIAGALTAVNQVVEGIADKVAGGVQKH
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AGITKDTVMEGIEAIDVNELLDNAGNAITDEKARQKLLSDATDALTDFILKVLPSMPVPP
VEGVKDGLVYKISNLSMEGFKVRKENIIVEIAGMRATKRVKKSPIQEVSEDDAPVWLQ
VAADEASSWAGLRSQSSSDSMDFETTIDENVVNNATELLIIDVSDISALMNDVNWSFEQT
YMPYLKSGKFDVNMSGGAIRLVFELRKRPKKDKSGEGEWEVPLCLHDRLCSIGSVDFN
MHGGSKMAVINKVASVFNLLRDYVVRILQIMTEKSGWILSKLNQGLSPFWDVLLRTA
KLELGDLEVATKESIVEASPEPDSSTLVELVWREHLPLGMNLLLNDESGQLKIVDFPRGSQ
ARTVCEARKLDPEGFKGATIVAVNGIRYQTEDELFDALRDPSPKTIQFELAESEDAERI
RKFVEESEARQNPDKSNAQKPTVSADDRDISTREVDFTDDMDLGLFANAPDNVGLVVRK
FLESEDGLVLAERKKDKIHVGDLLTHVNGKLVIGENGAGRRLALKLIESEGKERPLRLT
FADPYLHPIVYEQSESLPFVGGPEELVLKEDRENKRIVLDGFKEVDGVSEKGGVLLGDH
LVFVNGVTVGAGCRWMGERSPTLVEVDRMLRDKSNYPIGLTFARPQRQNEAQARDWTST
LLGTPTKKEIQMENSDTICVSADSYEQGLDLELKYSDIIVKDLKGIVGPLQLSTQRLR
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DQDAN

>comp9103_c0_seq2; 211 302 1108 LEN=1253; translated
MFLVLRVRTVFFLDPRVVMGGLNATHRWWIVDTILVSTKQNKTKQAKKQNDKKLQQLKYQ

ASEQAIPESDKHXAXLQAKPNLFQAKPMFRPVLPILTRTAARSGAAAPRAFSTVGTAF
GDAAEELSGYNKIDFCIDEDASVLEAVKIFVAHNIGCLVTTNKTGDLTGIISERDYISKVD
LLEARNPEETSVEKIFTPSSKLVTAGRDESVQGCMEKMLGADIRHLPLVDHGELLMISIK
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>comp9104_c0_seq1; 621 128 1339 LEN=1365; translated
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ARRSRGKKEEQRRKKDEDIVNQLRKEGKRKRQEYAERDVQRKEDEEMKVMRENARAKKQ
QQRDLLEDQRVRLKWRKMRPSPSEDSLATLLSDQFGLVEGIELLGRKGNQALATFADR
ASCKPCVEFYATSPVMRAKYVGRRRDEEEDRAERERLAEQQREGGDLKGPRESLEDRR
VRQAAERERLLRQLEDENENDSAAKPGARASDGDRRDGKTTRGREHTPTKASLFLPLPN
TDGYDGLSPFEVLEKFEQSVLGSIFGGDNDGTEAMDAEGATQ

>comp9106_c0_seq1; 107 1 419 LEN=990; translated
XFSPVQCGAPKKGHVCPYQPKLTRKVGEPLPEMRSAAIQVEMDEFMTLRLNLRIQGFPE
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>comp9106_c0_seq2; 38 1 559 LEN=1130; translated
CGAPKKGHVCPYQPKLTRKVGEPLPEMRSAAIQVEMDEVSNATQRNXNVVPALCRPYVVE
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PIVGTV

>comp9106_c0_seq3; 133 1 838 LEN=1409; translated
XHPGPHQGPPRSYGNTYPYPPGGPPQMHHGPPQSYGGAPPPSSRSGPSYGAASRAPPAQ
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DDGNCVATEGNNSKDKGRGSYKCGRCGAPKKGHVCPYQPKLTRKVGEPLPEMRSAAIQV
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GGVGLNVVDRNGISQPLPPSSGIDPVTGARAEDPIVGTV

>comp9108_c0_seq1; 473 1 1570 LEN=1626; translated
XPSASNMALGKPSPLSPRRAATCKDSKNSIAKTATTGDNNVVLHRGQQRKKARTRR
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SAGANENGNADADAHEPAANHTTTDDVPRLYAAPPTLRLPTPIINVGFPKAGTSSIFSF
HCNGLKAQHHLCCDPQNHPSRTVNRKLMSCMLENLITHRPILEDGCDYDVYTEINGPRN
FPDYSQRTLLEDGRLLSLKESRSVKLRIFFPQHHLLEIHDQYPNATLILNQRSSAEAWI
DSVTAWDIGLQYELNEFYGQNSTRFVFGADPGTGRGRRVGATRPLSPFAANNVRDHLGR
VHDHHLQYVRDWWKDRPSHALVEVDIEDDGAGTRLAEAFGLRDDCWGHYNKNENTGGGG
SRRRNQQQRNAGKGTQOKMAVSGQPPKAFEPPLATHLAGSGEPLDGTDPDTIQNLKQEKL
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>comp9109_c0_seq1; 837 75 1715 LEN=1794; translated
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DMAIQAVTTVVQETPGGKPTVDLKR YAKVEKIPGGQLEDACVLKGIMIQKDTTHSKMRRK
IENPRILLDSPLEYKKGESQTNVEITDDQDWNAMLRLEEEYVENMCKEIIAAKPDVCT
EKGVSDLAQHYLQKAGITAFRRRLRKT DNNRVARATGATIVSRTDEIQESDIGTKCLFEM
RKVGDDWFCYFDECKDPKSC TIVLRGGSKDVLNEIERNLQDAMQVVRNVVYDPKLLPGG
ATEMALAVAIRQKGQSLGGIGTQQAPFLAVGEALEVIPRTLAQNCVSVIRTVTALRQKH
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SKKKGY

>comp9110_c0_seq1; 1014 188 3406 LEN=3434; translated
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QSSSGQFSRQNNRDGRASWRQKRFSIPLSGEDGKQRRGNDQRQRGPRPPQAEFFLQGR
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DIDVLELLAMDFGIETVRSTNEHVVDSEQLLMQORRSDADKDKTTDDSATETYPPRPI
VTIMGHVDHGKTTLM DALRRRSQEQQGKGGKNTTKSKKKKSKKSKNASRGVTKDIAGTE
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GSEYGPVQVIPTSGLSGEGLLDMEGLLLQSEIMDLRADDKARGEIIMDARQEKGLGV
VADCIVRWGTIEKGNVIVSGDQVSQVRMLKDVNNRMLKNGLPSQPVRIGFKSLPKAGDP
VMVVESEEIAEEMLEQRRALDLSTNDRPDGARSDVELHITGMRRGDTWRVKKFTNKAAIE
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SEATIFSFGSMRVDQITVNLAESENVSICTNNIIYSLLEAKDVLGSYLPLIPQKHTHGR
AKVKAIIFSIDTEDGEERIAGLNVLDGNMYRAKGPAGGSDTIDLPSHFRVYRNGELISPDD
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>comp9111_c0_seq1; 370 96 935 LEN=1092; translated
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>comp9112_c0_seq1; 171 1 403 LEN=456; translated
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>comp9113_c0_seq1; 273 323 1114 LEN=1262; translated
MKKGVGDSSESTSNQSQRKIKYFKVYRWDPEQENQKPYLSTYPVDLNDGPMVLDALLKIK
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PDMGNFYEQYRSIEPWLQTDANTPRAEPGKDGNTKLEGEFLQSKQDRAKLDGMYECILCA
CCSTSCPSYWWNADKYLGPVLMQAYRWIEDSRDGQTKKRLDELDDAFKLYRCHTIMNCT
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>comp9113_c0_seq2; 273 463 1254 LEN=1402; translated
MKKGVGDSSESTSNQSQRKIKYFKVYRWDPEQENQKPYLSTYPVDLNDGPMVLDALLKIK
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PDMGNFYEQYRSIEPWLQTDANTPRAEPGKDGNTKLEGEFLQSKQDRAKLDGMYECILCA
CCSTSCPSYWWNADKYLGPVLMQAYRWIEDSRDGQTKKRLDELDDAFKLYRCHTIMNCT
KVCPKHLNPGKAIQAQIKKRMAS I
>comp9113_c0_seq3; 273 307 1098 LEN=1246; translated
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>comp9114_c0_seq1; 489 96 1527 LEN=1931; translated
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IINCFSRFAYSKLYQKENCNDVANDQKVLGEDRPGTTQTKTRGGKSPDDKYSHKNEKET
VVVGQDPDWETLIEHEPSRQRILSFLDQREQVNCTRDNFGEIMDEVHVVIEAEVRSILDT
VGNLFHQSMACRESEGEIENLIMENYGRQRLREELEKNEREAKERFAALRSRLG
>comp9114_c0_seq2; 532 96 1412 LEN=1816; translated
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EDYLKTKETRRRATTAYANDIDKFMVELRKLNTILSEIVAPVCNKYSERIEENIEEDIK
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QTKTRGGKSPDDKYSHKNEKETVVVGQDPDWETLIEHEPSRQRILSFLDQREQVNCTRDN
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KNEREAKERFAALRSRLG
>comp9116_c0_seq1; 245 252 1015 LEN=1015; translated
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>comp9117_c0_seq1; 803 178 3510 LEN=3714; translated

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KRRQEKNIQDHQPKKSSVGQSAIEIHPEHDFRSSFQMQVRKESEEVIKKSGKNKSVADIN
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SHELQTESISR DWTSHCTKRPI SLKQTCILSSTNRWVSNERAKNFVKSQ LSSKTAALVA
TVKATSSSSHKQEYIKLFTRRDGVDDTAHTLNKTIGQNYKFDRSESKQGVSSKIVAIEVK
KEKSERKTSTRGFIRSNTSKLEITKAPVFGNMRRTAAVNDRDNDSDGVSISVVDKRGETD
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>comp9117_c0_seq2; 727 268 3419 LEN=3623; translated
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SEMNI GRKKEQRQCLKKEIKESENLPDLLPQRTSRDQSEFDVICISEERTNHEENIFDNS
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TSCPPKFKLSCLYSEKNSVAEESNHVRFNEDNDRESGQNSP SDDVSEILLSQSQMLPLN
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SHELQTESISR DWTSHCTKRPI SLKQTCILSSTNRWVSNERAKNFVKSQ LSSKTAALVA
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>comp9118_c0_seq1; 507 122 2004 LEN=2100; translated
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PFTAANRKR TINTVVVAARTAILGFYMLILWRMYKTFSGQANGSGDVPKGVANKNSLPLAS
FNDIQGIDDAKQEVME LVDTLRNPGKYAILGARAPTGLLLEGGPGE SRKSSINCKFYLEL
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MAPAIFIDELDALGKSRDAGNSMMGNRGNDEAEQTLNQLLACMDGLDSTRRVCVLAATN
RKEVLDTALIRPGRFDRIVKLQLPDAVGRENILRIHASKLPGFQECQGVDDQRPNSLGLG
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LKNFFATRRPKGTNVNEIFKNVWNASA

>comp9118_c0_seq2; 562 122 1921 LEN=2017; translated
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GVTSP TVDNMRISPERIAYRLTKESPNGTGENPSVTQLSCYTNKVAASPELVDTLRESNI
PFTAANRKR TINTVVVAARTAILGFYMLILWRMYKTFSGQANGSGDVPKGVANKNSLPLAS
FNDIQGIDDAKQEVME LVDTLRNPGKYAILGARAPTGLLLEGGP GTGKTM LARATAAAAG
VPLIYASGSD FVEMFVGRGAARVRKLFERANRMAPAIFIDELDALGKSRDAGNSMMGNR
GNDEAEQTLNQLLACMDGLDSTRRVCVLAATNRKEVLDTALIRPGRFDRIVKLQLPDAVG
RENILRIHASKLPGFQECQGVDDQRPNSLGLGKVDLSAVA AVTSGFSGAELEFLVNES

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>comp9119_c0_seq1; 630 11 2059 LEN=2363; translated
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NDGGSLSGDANERGPFEIGVFNLTSSTNTSSNTSTSDIISNNTNESIQFEIGVFNLSSNG
SNSSSSSSNNSTNNNTNDESQPERDREMPVPPGMPSSISLNSMSLNFTKASSSNASAQIMPW
FIANKEGRISSDRAMEHYDALRFAAVAENIDGDRMMVYRACCGLGHRLSREAAAARYSRH
QGFRLWVEYTKTRISPGSCYTRFKPGSLDLSEYMFPGPPLLLFDEDEDDEQTYASLPTD
FDSRSMEIRRYAAGDHGEKYERRNHTLIPNNVPDHD SKCFQKLHPSDQRAVGRADERFFR
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TLDELVTKIRSAQIRQAGVHLHALPPLLFVATDDLAMVTKLENATRPYNI SVVSFPQSR
PDPGTGVSYNKQWKDSERCKRSWADQMVMVLLGASDVLVAARYSSFSMSLPLFALFSDS
LRYARRTARENLSANDGSGTRYAHRMFCQSGRLGDGLKCFDDYSDWVRGRNPLATPTGK
VDVVLFPDFDKMIYGRNSTK
>comp9122_c0_seq1; 632 167 2697 LEN=4109; translated
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LSVSQSKRVELICIFAI AFFNFLKMGDDGFSRPLYFYFPGFKRWMHGSQFVILVCLFAGNV
VGNTIFNPFRRMILGTHLRNFQREFWIMLKMIPKMGYILTILAI VVIFYAWFGV VIFHG
TEQGASGFQNLIEAIWTLWICIT TANYPDVMMPSYNENRVAALYFVSFMTISFFYLMNLV
LAVTVNLYDD SIAERKRNRKDL SRNLEKAYAMLDPENND AVSRETIMAVMFI LNQDVPE
IRRLSRDEKGI VFAFLDKDGSSDISLVEFLDFSKILLKLTKE SDYKSFVERHLPQVNET
NWXQLVKFIRSKTFEYFIDAVLVLNAVVA FQDYPILSGQDVVGNPHFEDGHVDTVWEL
METIFTVVYVLEAALKILIEGWKRYTESMRNLDFDGVTVLVLLVT VYVYYSNGYSSTRII
QLVIMVRVRLGLR LFFVSQAPFQMFGTITLDILPAATSVFMILLFIGYFYAWVGMSLYGG
SYFFLFAF XEVITRDPDNPLSYTLLEASDFVDNDYWPNNFNDMFSGMNVLFNLLVNNWT
ECEIGFEYVTGAKWVRIFFF SFHLMGVIVISNVVTSFVINAYFQQLETLVQRLGSEEIVE
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PTG
>comp9122_c0_seq2; 676 167 2668 LEN=4080; translated
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LSVSQSKRVELICIFAI AFFNFLKMGDDGFSRPLYFYFPGFKRWMHGSQFVILVCLFAGNV
VGNTIFNPFRRMILGTHLRNFQREFWIMLKMIPKMGYILTILAI VVIFYAWFGV VIFHG
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LAVTVNLYDD SIAERKRNRKDL SRNLEKAYAMLDPENND AVSRETIMAVMFI LNQDVPE
IRRLSRDEKGI VFAFLDKDGSSDISLVEFLDFSKILLKLTKE SDYKSFVERHLPQVNET
NWXQLVKFIRSKTFEYFIDAVLVLNAVVA FQDYPILSGQDVVGNPHFEDGHVDTVWEL
METIFTVVYVLEAALKILIEGWKRYTESMRNLDFDGVTVLVLLVT VYVYYSNGYSSTRII
QLVIMVRVRLGLR LFFVSQAPFQMFGTITLDILPAATSVFMILLFIGYFYAWVGMSLYGG
LITRDPDNPLSYTLLEASDFVDNDYWPNNFNDMFSGMNVLFNLLVNNWTECEIGFEYVT
GAKWVRIFFF SFHLMGVIVISNVVTSFVINAYFQQLETLVQRLGSEEIVEDGATIKGARG
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>comp9125_c0_seq1; 108 245 736 LEN=1002; translated
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VDTARYLGASDSVKFNHQNCGHNCAIMNELEAFGRSFQDQYGA W
>comp9126_c0_seq1; 121 1 208 LEN=461; translated
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KQNLYLRRG
>comp9126_c0_seq2; 153 1 466 LEN=925; translated
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>comp9127_c0_seq1; 637 172 1461 LEN=1537; translated
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CRTRL SHGKLPKPTRVALDMTTLTIMRVLPREVDPTVFHMQASEEDGGVSFADIGGLNEQ

IRELREVIELPLTNPELFTTRVGIKAPKGVLLYGPPTGKTLARALASNINATFLKVVAS
AIVDKYIGESARVIREMFGFAKDHSPCVIFMDEIDAIGSRFSEGTSAIREIQRTLLELL
NQMDGDDTGGQVKMVMATNRPDILDALLRPGRLDRKIEIPEPNETQRLEILKIHAGNI
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>comp9128_c0_seq1; 620 35 1120 LEN=1183; translated
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GKMEIAKVYPLDAVFDTPEDVPDEVKKNRYKGLDGFSEVAKAVEEDYGKIDILVHSL
ANGPEVTKPLLETSRKGYLAASSASAYSFVSLVQHFGPIMNEGSSALSITYIASENVIPG
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E

>comp9129_c0_seq1; 367 85 1314 LEN=1584; translated
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QSSHDNPHNLVSLLDRIEKQELSGGRMRKQNGVLHEDPAVDMRLLIENYTVNSLASALR
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LMRMPRQVTMAHASKRAGVVIPIVHVDGVPVILFEKRSPSLRAHPDEVCLPGGMVCE
TADR TIVETCLREMKEEIGGFDFEYHRDKGGTHGVSVLGTLRCNWGEVHHLVGVAVTPV
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>comp9129_c0_seq2; 292 85 1107 LEN=1668; translated
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QSSHDNPHNLVSLLDRIEKQELSGGRMRKQNGVLHEDPAVDMRLLIENYTVNSLASALR
DREEMLQTASQMASKNDFESLKDFLYNCHPDVVLEKRQRLRKLNLKPLNLASLEIRK
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>comp9131_c0_seq1; 1609 484 3735 LEN=3735; translated
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AIPHVNQLMTMYGHLVMNVQSSSEEKIADATNTTSASGGFFSLQPSVLQSKGYQFGGVIQ
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VSSF GGDSFMNQRAQQQQPFVTFDFGRTLSEPISGNNATPVIVPTSMSTLSVSDAFEDL
GAVQD APLPSLNLGSSNGDGFQPDLEKQMKPEETVVATGTANEEDDFEGEFETGPTF
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PATSAPSSLSITD AFSDMPVQEDATLPSMQHNMATNTILEDKNLDEVGDVFGNF
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GINMEGDLPPSMTDIGRTVSEPI RVDETLVPAKGMMGTGHLRSISIDDAF
GELASTEDRPLPSLEMMTANSNVGCLSASEENK KKRNESNDDFGDFTAVR
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MAVSDADRQIPIFDALGTEDAPLPSLEMLAATPDPNVESKDLVGVVDTH
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VLSTPAITET GPSLSIADPFGNLEVPDAPLPGLMSFGGTSSTRMSASKTTAS
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SVKESTDLFGDFRAPEDDVPVSHGDGANLQSEVGDFEIANFPPQTQPNTG
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>comp9131_c0_seq2; 494 1 1206 LEN=1382; translated
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SAQMLSESVKLG DDEDEDDWGFENVTTPSVDSSTEEAGIRDRI
CLLALQLPKYVLHKSQSTDEIVDLGDR FEAIIGTRTSMTKRNRNRVDRCLYI
LERLTSKNNCAQVWAQIFGVANAEFDRQLQSLLINEA ESFSSHEWNQIKSPL
SVMVRGLSEYMRVTRSIVASIGDLLLLEKDAFTADTWSSTWCSL SVLEKAV
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>comp9131_c0_seq3; 1609 221 3472 LEN=3472; translated
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TPQKEQSPNVSTAPSI STPGMTTTEASITHDNDDDDDGFGDFGSAPSIPVPPRNTVVSSF
GGDSFMNQQRQQQPFVDFGRLEPI SGNNATPVIVPTSMSTLSVSDAFEDLGAVQD
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GPSLSIADPFGNLEVPDAPLPGLMSFGGTS DTRMSASKGTTASIVDLYGSSTTQNVGDSG
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DNEIQDGPSEDDDFGDFGS AEVTPAEKNHNQINRPEVEDDFGDFGS AEQNIETQSI EEHD
FGDFRSPDQIKSVKESTDLFGDFRAPEDDVPSHGDGANLQSEVGF EIANFPPQTQPNTG
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AFGS

>comp9132_c0_seq1; 311 1 480 LEN=557; translated
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>comp9133_c0_seq1; 467 71 967 LEN=1162; translated
MDPFENG SFSAPKTKFQRSVRGLV VPMQKYDQNHSGGSGLLALAWIVSSIVTVLVPLIYR
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S WKKLNCFSFFVNRDGEPMADQEWMPAWYSGFSLTEEQRRL EDNLEQPGSLKFVYVWQI
VLF LALGYG LLLVISQKRNP TGLIVSLLVWSNFAFLTMWMMADGSIVTEGQQVKRTGFY
G QMSVLIFLTNFWYLLHGLIFVLVFWIRKSIAADEEVK GSEGTVQELGDKGYSAPATTE

>comp9134_c0_seq1; 432 1 997 LEN=1716; translated
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TRLRQKTKLAAAAAAMPSSKAASAHRNNNAESESDDQDDIDYKDAPGFDRVDIGEGIKI
RSGGNPRSLDESDDDDRSGSCKDAGDSGYHKKHKDVNHGESDWEVDKPSVDREEKARAA
ARLNALKR NASTSKDQ GKDDGDWVQSKYNPDDR FMINITKEENV DLGIEIVEFKVKGKGF
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>comp9134_c0_seq2; 523 1 1128 LEN=1579; translated
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TRLRQKTKLAAAAAAMPSSKAASAHRNNNAESESDDQDDIDYKDAPGFDRVDIGEGIKI
RSGGNPRSLDESDDDDRSGSCKDAGDSGYHKKHKDVNHGESDWEVDKPSVDREEKARAA
ARLNALKR NASTSKDQ GKDDGDWVQSKYNPDDR FMINITKEENV DLGIEIVEFKVKGKGF
SRNELYVTKVDQGPFRK TALDRGDKILSVNAKKVPDKIKSAEDAMDLLRSKAKIAMLILR
PSRSDKGYKWVMENT

>comp9134_c0_seq3; 389 1 1355 LEN=1806; translated
CDTIDKRTSKGASYKSTMTDDDEIEGLISISVKT KPRKETGF EVKRRREDGFYYITKVPD
NCTTIGV GDRVLEINGTSHRSFKNEKHSNDLINF IQLDXVGSVKLFVCD SKVQY EKESWD
YSFIKLIPTSVNFFRVPVDDDSGESESESN EEEYELTRLRQKTVSHSNILLRIVDALYL
VVNRWTQP VGSNFGVISFPYXMKKLAAAAAAMPSSKAASAHRNNNAESESDDQDDIDYK
DAPGFDRVDIGEGIKIRSGGNPRSLDESDDDDRSGSCKDAGDSGYHKKHKDVNHGESDW
EVDKPSVDREEKARAAARLNALKR NASTSKDQ GKDDGDWVQSKYNPDDR FMINITKEENV
DLGIEIVEFKVKGKGF SRNELYVTKVDQGPFRK TALDRGDKILSVNAKKVPDKIKSAEDA
MDLLRSKAKIAMLILRPSRSDKGYKWVMENT

>comp9134_c0_seq4; 298 1 1224 LEN=1943; translated
CDTIDKRTSKGASYKSTMTDDDEIEGLISISVKT KPRKETGF EVKRRREDGFYYITKVPD
NCTTIGV GDRVLEINGTSHRSFKNEKHSNDLINF IQLDXVGSVKLFVCD SKVQY EKESWD
YSFIKLIPTSVNFFRVPVDDDSGESESESN EEEYELTRLRQKTVSHSNILLRIVDALYL
VVNRWTQP VGSNFGVISFPYXMKKLAAAAAAMPSSKAASAHRNNNAESESDDQDDIDYK
DAPGFDRVDIGEGIKIRSGGNPRSLDESDDDDRSGSCKDAGDSGYHKKHKDVNHGESDW
EVDKPSVDREEKARAAARLNALKR NASTSKDQ GKDDGDWVQSKYNPDDR FMINITKEENV
DLGIEIVEFKVKGKGF SRNELYVTKVDQGPFRK KVVREAIT YFVSVYL

>comp9135_c0_seq1; 330 137 706 LEN=2085; translated
MFSRIAPTAARSVARHSAHFRASVAARGFTTVGEVTTAADA AKLSGYSNITFTINQDAMV

IDAVQQFAANNIGCLVVVDNDGGLAGVISERDYISKIALLGRTSKETKVKEIATMSMKLV
TVKPEESVQICMEKMLASDIRHLPLVEEGKLIGMVS IKDLVKTTIKEKEEA IKVLSDFAL
GKGGHFGSD

>comp9135_c0_seq2; 330 137 706 LEN=2021; translated
MFSRIAPTAARSVARHSAHFRASVAARGFTTVGEVTTAADA AKLSGYSNITFTINQDAMV
IDAVQQFAANNIGCLVVVDNDGGLAGVISERDYISKIALLGRTSKETKVKEIATMSMKLV
TVKPEESVQICMEKMLASDIRHLPLVEEGKLIGMVS IKDLVKTTIKEKEEA IKVLSDFAL
GKGGHFGSD

>comp9136_c0_seq1; 915 44 1877 LEN=2121; translated
MTPRKIPKLVFGLDLQAHDPDYFTTQINFRQWFH SKTEGILSALRKGIGRAFIGIGHPSN
YGQVLHQLQLEALLKSTMTRTLLEVECKEDLSNSFLICGHNF TVIGNVLPDRVFFAKFK
IIEVDKPKGAHEAKLKELENEKFEQLKKDKDQVQKKIEAAMTSGKNTDLGKARDAMAALR
SKKGMIEEKRAIRAQLDLLKAGDKLVQDKKEARSSVRFNSIEEIDAEIKKLQKLQETT
SMSLTHEEKLIKEMDGLQASKEKVKDVKSKDASLDGIKKERTAVNESIKAKDKEIDAVTK
EMDEVGSKIKSLAAKETDKRSTLDALFKERDAFKKEISVVLKEKDALRDEYRENNNAWWN
AQRVKAQRQIQYEEEEKAREAEKAAYLKKKEEEEEMKKIPYEEEMGLCDYLADYLSRITYL
NAPPAENKISVKKEEVI AVKDDPFAGMVARCKKNDDEENYFSKGGKGGKQRAPKKIATA
PFTLSVDSFEQFGS IGLNPPTKLEDEVENSVKELREKKVWYSQQPRGSVP TAKDIRKKNEK
NAQKLRQTPSKAPTGFKSASDDTFVPLGNGSSTAAGIPSWGAGQKPAPT VSGEEVNNADD
PTPADAAAQE

>comp9136_c0_seq2; 1073 38 1660 LEN=1904; translated
MAEEAATPVAPPAPAPEEAPKEKKND SKGKNRRKKEDDTPIEELFDLSKPIPRVDKPKG
AHEAKLKELENEKFEQLKKDKDQVQKKIEAAMTSGKNTDLGKARDAMAALRSKKGKMIEEK
RAIRAQLDLLKAGDKLVQDKKEARSSVRFNSIEEIDAEIKKLQKLQETT SMSLTHEEKKL
IKEMDGLQASKEKVKDVKSKDASLDGIKKERTAVNESIKAKDKEIDAVTKEMDEVGSKIK
SLAAKETDKRSTLDALFKERDAFKKEISVVLKEKDALRDEYRENNNAWWNAQRVKAQRQ
IQYEEEEKAREAEKAAYLKKKEEEEEMKKIPYEEEMGLCDYLADYLSRITYLNAPPAENKIS
VKKEEVI AVKDDPFAGMVARCKKNDDEENYFSKGGKGGKQRAPKKIATAPFTLSVDSFE
QFGS IGLNPPTKLEDEVENSVKELREKKVWYSQQPRGSVP TAKDIRKKNEKNAQKLRQTPS
KAPTGFKSASDDTFVPLGNGSSTAAGIPSWGAGQKPAPT VSGEEVNNADDPTPADAAAQE

>comp9137_c0_seq1; 335 274 1299 LEN=1718; translated
MYALFTRRSSVVSVLVFVYVLESIEVSAWIPAAKISP KSAALSFQRSSSNSGVCYSTL
EDKTEPSPQTTQLEPRLSSSIVLSTPKIKYTVPGMKRGWKENGVMDEDEDGPRNGPPQNF
RQMGDERLYDENMQLVNNLLKLNFTFDGKGLGINTSSSNRLSDMISGMVEKLEKTNSIRIP
SLNRLILGNWAPIVRGGQVVAASNESKEGKITAVSVPYRFHVQRTGGQKLAHKTPYGQFD
EHLEPEEELTIRELSSDGNVTSTSSGVVNASGDKYESRLVKGLHNASESDSLYLGAITY
VTKYLIIMRRFESSQE QEGDKPANGPVTEIWIK VSDSDGSK

>comp9138_c0_seq1; 316 364 1692 LEN=1817; translated
MEVKVSSTPSENDRGGADDHTSNLSEYEKLR LQKIKRNERMKELGLFRTKEALKKKKTG
TKKEKTSRVSPPELPQRSSSRKRKSVANYSAEQVIPMYSDEEDLES DRPNTDDEDEIEDAK
DDYEISDNDNDDSDREDEDES YLKPQKQRKRSEVDKPSDSGAAATSKSTSTRDSAID
TTSFDCVNPKGGLTLEYAKTGRSKCRKCRNPIEKGKPRVGM EAWIVGRNCITWQCPCELL
DNLCCAYEKSGTGKCKSTHRPFAKGLKVGIRCHTATSYYHVGAVVDVLNNVVDLMVS
DRNKSYTGFE LSVDSIDGTTKLSPE DRAQLASVLQGVSPNRDGPASKRTATPVGASEKAK
KNASPRTGAKAKADKGARMGSQPSAGAKTNARGRVEWKF GGRTCYGTL LPSMETKTHCYA
RTQRGNTKTLAKGKDYWSVLA

>comp9139_c0_seq1; 472 1 952 LEN=952; translated
XEETQLKKPDVQESVQNEAKKNNE SKRKPQKQKRGWGFGLFNFGGDSEEDGSSHDEVK
DTKTNEIDSAKFDEAHYNELMDRIKMGDLQENDF FELALLERQKQGEILDEKEIEELKTF
RQAREQNERNEQSEQLSLQNSKGAPDVDDTQILEDL DGQHDLESSNENIREAEPKVAVS
RDENEKESKDEEQPAESEAKT NLI PNKQDLEPEKEIQTKETSND DDDDKDIEKLLSGD
EIRTMDTLDENGRDVDEHDNSVGVQKPKSGSDKYRQKVNEKSSCQDVPDKDDFSESKVTD
NVMGSDDRSTKQMEEFGS

>comp9141_c0_seq1; 639 146 1948 LEN=2364; translated
MSDTKLHDFCKGFGALLSRSKQPSFPEEAARLNDRGNLPLHAACSFQATADVVEVLLRAY
PGGASQPNGVGNLPIHQAMWQAPVETVEVLLVRHPEGATVRN QYGS LPLHMAASNRAST
EVVKVLIDAYPDALHLQNDGMPDLDLAMADEAMVNDQVVAMLEGRPLPEMTRRQKTDK
FNEQADMLERKMASLRNSGANALSPGGGSRNSH SVKLALAAVRKLADRFPHALYSAGM
DPNELEIAFSDQLDNKDSKNGGALDAETILLEAVRKR SRPHRDARGMTVGHSGPRDRVEE
LLSSIIGLDHIKSQLRGLRRTAEICDLKESLIPPGGARGRSHPLNMI PPALAEDTGRPRA

DHMVFMGNPGSGKTAVARLLAKAYHELGLRKPFLFLEVERMDLVGRDKTTTVMKTKEVID
EARGGILFIDEAYNLGIASRRNKSDTGVDSINEIIRSIIESSKKRGDDNFPLIILAGFPV
EMNTFMVFQOGELRKKFPITFEFPDYSCVELAQIFMDLANAKGFDLADDLKASTIARLLEE
ETSVQWRGERNGRISEMLLTGCRTEVRKRMRIAQMEDDENFDPQLIIRSDVETVIRADFQ
>comp9142_c0_seq1; 358 143 835 LEN=1282; translated
MGAFGSKESSTATPGKAARTRGPPPASATDRATLDLKNARDRLQKYKAKLERDDAKIIA
RAKKAKADGNTKAALNLLKIRKLTREVESVEAQLLNVMQMVQTIDSKQNEVQVLAAMKE
GKDTLQRMHEEITVDHVLDMDEIQEQHELEKEMNEILVGANVSSLTIEDDAAIEAELEA
LMGTAPAEQPKVEKLPVAPDTKPLPEAPSTKLPEVASATPVQEKVAVAAL
>comp9143_c0_seq1; 246 189 1151 LEN=1504; translated
MIFLTAILVMVSATAGSNGGYTTTIQRPMSSMPFGRRRYGYRRRYRRNSYGGPSHPSS
SETRDYSKHFLDDKNWMTNKKIRVWDPRYATKKRPNQRSWSGRLAIANIACYAIQTFNPN
FTKWGVKLSERILAGEDLYRLITPVFLHGGLYHLMSNMFSLNNVGPMTEQAYGSGRFLAS
YLVAGASGNLLSAIKSPNPALGASGAVFGVMASLLVFLGRNDWVMGSQGEAYRSAVTQTL
LINLVMGAVNPMVDNWGHIGGAIGGATMAWYFGPRLYIAEVPLPEGVGRVIVDKPLVRLP
YFIESIPTKVKSGVRRLLTRE
>comp9143_c0_seq4; 199 621 821 LEN=900; minus strand; translated
MDIGRWIVVVYPPLEPAVAETITSMAVRNIIIVRLILPVPVLNDGFVPLNLNIGAFFRSFRY
AGFLLN
>comp9144_c0_seq1; 378 117 1589 LEN=1695; translated
MRRKHERNRNSMSSNDADYAAGGIAPLITKAPDSTGGESLITTTSDIEFYEDLISDPVL
VLGVDISHLSRTGQFVICASGVFFSLLYGYLQELLSVQLCSRQLGLYLAMVQFTGYTVL
AYILRSYVYRKQNKGKATRARNVASCQLTVPFKLYLGLSLLRAVDLAMTNLAMQYINYP
AKTLMKSSRVFTMIFGVCITNKRYSDTYTIVLCMVVGLAIFMHADATSSAVFQAPAGVI
MLTVSLMCDGAITNMSESIMNKYNVQDEFIFRMYSIALIAIVAAAAAKGDIEGMAWIM
EPGTYEEQQNNVPLDQRLWSSSGKITVIVLFFSSMGFFGSSCAAATKQFGALSMSITSVS
RKATTLFLSFLFDNECTYQHVVGIIIFISALTAKSVRRRNKRRKQSLASGDWDRRVSTL
DLEMGGSGSGSNSEKHEKMSRASSYSSNDSYDTIDSADKFLSRRKVSSNHTTIIERSPKV
SKHRSRYHV
>comp9145_c0_seq1; 209 894 1250 LEN=1974; translated
MDWQSNEGEENEGMVGNYLNFNGNIGAEHVVNNSHVREDGKVEQDDIFILIAPQSMVGVES
SIYEPLKAMVDAAGSRPIILLNPDLTDKFSAQGQQNVRGRQVSRKHILIVVPVSESKH
>comp9145_c0_seq2; 433 88 1491 LEN=2215; translated
MRRQSFLPLGKSILPLALILLVADNGFAFMTTSEPLARHKGASSKAVLTERRISVHESV
VRSKILSRRVFPFLAATRSTSSSEIERQFLDEKQLDFTLGYLNKHHGKGLTKFSEAFSKL
GALKAKKNSWSGGSYNILSAKIVSIDTVSFELDVEVQLRNEDPTLERRVAIELDAMPLTKS
RKLVGTSIDPIPRDLNLLPIDEIVRRLCRLFSIVNEPESTGKLFQGMQLGGSDIGRLKE
NMYLNQCPHNRYVRKYFYNMVADATLEAAILCSKGRISNRMKITAMFPENPMSMDSYRIG
TILEMVRTISIKLVEQNLVRVVCVQGSMSGVIFTGVPKQLGGVSKLLQMMDWQSNEGEEN
EGMVGNYLNFNGNIGAEHVVNNSHVREDGKVEQDDIFILIAPQSMVGVESSIYEPLKAMVD
AAGSRPIILLNPDLTDKFSAQGQQNVRGRQVSRKHILIVVPVSESKH
>comp9145_c0_seq3; 484 88 1674 LEN=2073; translated
MRRQSFLPLGKSILPLALILLVADNGFAFMTTSEPLARHKGASSKAVLTERRISVHESV
VRSKILSRRVFPFLAATRSTSSSEIERQFLDEKQLDFTLGYLNKHHGKGLTKFSEAFSKL
GALKAKKNSWSGGSYNILSAKIVSIDTVSFELDVEVQLRNEDPTLERRVAIELDAMPLTKS
RKLVGTSIDPIPRDLNLLPIDEIVRRLCRLFSIVNEPESTGKLFQGMQLGGSDIGRLKE
NMYLNQCPHNRYVRKYFYNMVADATLEAAILCSKGRISNRMKITAMFPENPMSMDSYRIG
TILEMVRTISIKLVEQNLVRVVCVQGSMSGVIFTGVPKQLGGVSKLLQMMDWQSNEGEEN
EGMVGNYLNFNGNIGAEHVVNNSHVREDGKVEQDDIFILIAPQSMVGVESSIYEPLKAMVD
AAGSRPIILLNPDLTDKFSAQGQQNVRGRQDRDLDFANTFETIWHFNNIYVSGTSYFPILG
ATFKPGPLNMWAAAYQRRDLAQEEGEMYVPLASEEKPKGDQILASFKN
>comp9145_c0_seq4; 355 273 1337 LEN=1736; translated
MPLTKSRKLVGTSIDPIPRDLNLLPIDEIVRRLCRLFSIVNEPESTGKLFQGMQLGGSD
IGRLKENMYLNQCPHNRYVRKYFYNMVADATLEAAILCSKGRISNRMKITAMFPENPMSM
DSYRIGTILEMVRTISIKLVEQNLVRVVCVQGSMSGVIFTGVPKQLGGVSKLLQMMDWQS
NEGEENEGMVGNYLNFNGNIGAEHVVNNSHVREDGKVEQDDIFILIAPQSMVGVESSIYEP
LKAMVDAAGSRPIILLNPDLTDKFSAQGQQNVRGRQDRDLDFANTFETIWHFNNIYVSGTS
YFPILGATFKPGPLNMWAAAYQRRDLAQEEGEMYVPLASEEKPKGDQILASFKN
>comp9145_c0_seq5; 338 88 1587 LEN=2311; translated
MRRQSFLPLGKSILPLALILLVADNGFAFMTTSEPLARHKGASSKAVLTERRISVHESV

VRSKILSRRVFPFSLAATRSTSSSEIERQFLDEKQLDFTLGYLNKHHGKGLTKFSEAFSKL
GALKAKKNSWSGGSYNILSAKIVSIDTVSFELDVEVQLRNEDPTLERRVAIELDAMPLTKS
RKLVGTSIDPIPRDLNLLPIDEIVRRLCRLFSIVNEPESTGKLFQLGMQLGGSDIGRLKE
NMYLNQCPHNRYVRKYFYNMVADATLEAAILCSKGRISNRMKITAMFPEMNPMSMDSYRWF
LYFCGSICSEWMRDIGTNXIVFSNVSFRIRIGTILEMVRTISIKLVEQNLRRVRCVQGS
GVGIFTGVPKQLGGVSKLLQMMDWQSNEGEENEGMVGNYLNFNGNIGAEHVVN
SHVREDGT
KVEQDDIFILIAPQSMVGVSESSIEYPLKAMVDAAGSRPIILLNPDLTDKFS
AQGGQONVRGRQVSRKHILIVVPVSESKH

>comp9145_c0_seq6; 389 88 1770 LEN=2169; translated
MRRQSFLPLGKSILPLALILLVADNGFAMTTSEPLARHKGASSKAVLTERRISVHESV
VRSKILSRRVFPFSLAATRSTSSSEIERQFLDEKQLDFTLGYLNKHHGKGLTKFSEAFSKL
GALKAKKNSWSGGSYNILSAKIVSIDTVSFELDVEVQLRNEDPTLERRVAIELDAMPLTKS
RKLVGTSIDPIPRDLNLLPIDEIVRRLCRLFSIVNEPESTGKLFQLGMQLGGSDIGRLKE
NMYLNQCPHNRYVRKYFYNMVADATLEAAILCSKGRISNRMKITAMFPEMNPMSMDSYRWF
LYFCGSICSEWMRDIGTNXIVFSNVSFRIRIGTILEMVRTISIKLVEQNLRRVRCVQGS
GVGIFTGVPKQLGGVSKLLQMMDWQSNEGEENEGMVGNYLNFNGNIGAEHVVN
SHVREDGT
KVEQDDIFILIAPQSMVGVSESSIEYPLKAMVDAAGSRPIILLNPDLTDKFS
AQGGQONVRGRQDRDLDFANTFETIWHFNNIYVSGTSYFPILGATFKPGPLNMWAA
YQRRDLAQEEGEMYPVLASEEKP
KGDQILASFKN

>comp9145_c0_seq7; 304 273 1154 LEN=1878; translated
MPLTKSRKLVGTSIDPIPRDLNLLPIDEIVRRLCRLFSIVNEPESTGKLFQLGMQLGGSD
IGRLKENMYLNQCPHNRYVRKYFYNMVADATLEAAILCSKGRISNRMKITAMFPEMNP
SMDSYRIGTILEMVRTISIKLVEQNLRRVRCVQGS
MGVGI
FTGVPKQLGGVSKLLQMMDWQSN
EGEENEGMVGNYLNFNGNIGAEHVVN
SHVREDGT
KVEQDDIFILIAPQSMVGVSESSIEY
PLKAMVDAAGSRPIILLNPDLTDKFS
AQGGQONVRGRQVSRKHILIVVPVSESKH

>comp9145_c0_seq8; 260 894 1433 LEN=1832; translated
MDWQSN
EGEENEGMVGNYLNFNGNIGAEHVVN
SHVREDGT
KVEQDDIFILIAPQSMVGVSESSIEY
PLKAMVDAAGSRPIILLNPDLTDKFS
AQGGQONVRGRQDRDLDFANTFETI
WHFNNIYVSGTSYFPILGATFKPGPL
NMWAA
YQRRDLAQEEGEMYPVLASEEKP
KGDQILASFKN

>comp9146_c0_seq1; 1221 228 2567 LEN=2647; translated
MRNTTIGNDHRRRGLKRELS
PGAKEGASLGP
EREDRPSKGLARKGRQGRSGSSPLRFSS
F
AASWLLLAACLCSSVTRVACSD
DAYGYGSNDDASNNNNYNNNYGG
NNNNNNNNNNNNNN
GNNYGGNYNNNYGNNNNND
DGGNNYNYGNNNNDDANANAN
DDANNVDYDYEAPGYD
DEYNKQWEDD
NIDLVDVDFD
GVS
IAPVSCVNYLTGHF
IKFELYETENS
YQCHFGQIGTFV
VSIAHYMRAYF
NYQALTYGNAF
SLPDDVGYLNCI
PLKMEKYGYG
DDDDVNGDDAS
GDDANG
DDAAEDQDQES
GDEDE
NESGQAVLYAK
VGCLAKETFS
SNTFQLHL
YTD
DKCTEPYDDG
QT
DQOHANKGYL
IDLDTYYDAK
DGDAAQDDG
IRYTDYPQD
KR
TLLFSTKVS
FRPSFYTCQS
CKPPQISQTF
NKFAGNY
YDDMFISQY
GMTQSA
YNA
YLEEKAEQ
EAAAAEC
NNCQYF
HYS
A
DDSVD
DFSSVND
DGSSAN
DDVQAL
DDAYNA
VDDYS
YQSS
NNY
NNGN
DDGNG
RRLT
STTT
TMTSDEPR
RLGEVPS
AVTKEL
SSALV
PVQSE
LEKFE
SEFW
TSVDA
QLEDR
ERFL
YENKY
G
GVDSW
NICEQ
VYKY
GLYC
DEEC
QSLD
AFKTD
QW
SGAN
IVLLS
IMCT
FMG
AMV
MLV
VSKRL
NAARK
ARRQK
SFFD
AND
FDM
SAS
GIDT
SSIP
GLP
PMAM
FTM
FGAV
MVI
ITV
LASH
LHFV
NE
TLVFA
VCCIL
LLFI
YMLK
ITLFS
ARKR
PVLL
TSP
NHED
VFG
YNN
ADDD
FSQ
SRRR
GFFS

>comp9147_c1_seq1; 828 662 3954 LEN=3954; minus strand; translated
MVFVVDKTKTCCEEI
GSHKEQYCH
KKAKERK
KRGKTDK
GKKEE
HKL
VSDLC
PDACG
VSV
SQAPT
PSPLP
AGSMPT
DEDAM
GREL
RTL
LADL
RFNK
CPP
IADEN
RAS
NSGY
TMG
VHTS
IFP
LMPK
DYP
VSGE
TATV
LQEE
TMAD
AVVT
TDDY
QLV
QEH
NDPS
YWM
DRM
RTR
PFF
PGD
PEFW
DEL
RDV
VEAQ
IARR
RGD
APSS
RKHW
PST
WDD
KVT
LED
IAQ
AV
AGE
YPAL
HQ
ATA
IEK
FYA
EGL
EMN
AGM
NPF
RSAN
DFIS
RQV
RLSS
INAW
AFE
IVAP
VSF
MMK
WQIG
MPR
PEE
VW
LIH
TGE
FTPE
ADG
VPED
LVAL
IRSM
DLES
ALS
FTAY
GVG
SPM
HPS
FPAM
HSS
GST
LSY
WLP
VV
AEV
TPE
QW
CLAL
RV
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AMAR
TTAG
VHY
KMD
NIAG
LNL
GQAI
VQR
NLPT
MLHE
KYG
YDV
SALE
AKLE
ILS
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XVENS
LVMS
YFF
LYS
FEG
EGNV
TLG
KTS
DAT
FPK
PPV
TSM
RIL
ANAV
VEL
DRR
NALL
FR
ILHR
FLF
GFR
SR
SKPR
KNAQ
DCCR
PAL
GRF
RTEL
DDL
AGI
QNV
VRV
QGGL
DPFH
HAD
GA
LPVL
VPE
VDF
D
SVA
HPV
LPG
AGPP
GREG
PPDD
PFV
DGK
DLF
HVL
VGF
VLG
NGQ
DAVE
VPV
PGV
SEAG
ADDP
RFL
DVP
DGL
VQD
GGK
LGER
DAG
VGQ
KGG
RSL
SVV
DRG
VVE
VVP
GRP
QG
LSL
LLP
GGE
PEI
GSP
ELV
PGAD
FLG
GGDL
FLQ
GFL
RRG
LEF
QKE
GCF
LLH
GPG
IAT
VAVA
VAGI
ERR
DAGR
VEQ
FTPD
HRN
LAK
LEH
GHR
VGR
VRQ
RFK
DANG
GYD
VVR
NRM
QLD
GHR
GN
DPE
GAL
GSA
EHA
HQV
VPR
ARLE
DPAP
DPG
DDG
PV
RED
ALQA
QEV
LPH
GPV
PDR
GRPR
GPG
GDHP
PDG
GVG
PGV
HHEL
HPR
GPE
GLV
ERL
ARD
PGAD
AGD
GVR
KGS
LAA
ALG
F
FA
VEL
PR

QDHFRKPGHVQRDRSPGGADVALDGGPCSVRNDGDAVLVAEPEELGNVFDGLRPDDVVG
REGIVGVALAIVGVVRSVVRVSVVLAQVRSVAVRFPSPVQVLRVVGGNLGRRLRELPVV
AEALEGGKDGGLADRLGG
>comp9149_c0_seq1; 240 328 807 LEN=1044; translated
MVLIIIVQLLWLIICASCSSSGRFAVLRRYKNGQDDSRSSFSVVAFHRRRLTHDCSNLKYD
KPDYICIGDGTERNHKQVEEGRFALECESESLIRSAENAHLRQQESIAFDENDNGNNSMN
NASHPIKYDSSFGCHDTEYRSREMRSSSFVYPNNDPIFV
>comp9150_c0_seq1; 298 176 1321 LEN=1441; translated
MSRIEASLASSSKLKDKKSDVSHGSTKDTNSHPSIWLKLAQAFMCVTLLMALILLVNLGGI
YVLFNPGSSRSKMMIYFLMLYASIRLLTPGGAIHSEKQPEGGVWRAFSEYFFLSSIHR
YLNLSFAKPLPKELVEAESRSNAQFILAAPFHGCNSDFRVLMDGIINETFPNLLKRNKIR
ALAASILFWIPVREISLWTCIDASRPVAKAALDQGKSLILPGGAEQIRTVYGREII
YLKNRKGFIKLALVHGVPVPMYVFGCSDSYTYNWMAQRFRLWLKVLGICITPCSGLW
GNPFCPLPKTTTTIVMGKPIRFEFVLEQDNLNESCIDTSSISKQTPTKEEVDRAHAVFIREL
TALFDAHKTALGYGDRTLEIV
>comp9151_c0_seq1; 182 1003 1212 LEN=1326; translated
MRKDGDESPVSMETIFLDWSKDPAMSSKGGFDIVEALSPDGIYGLIEQGKLYGKIMEDQG
KFDSLEKLT
>comp9151_c0_seq2; 355 233 1092 LEN=1206; translated
MFVMENETHSEXKVTLAGSRWDLSSLHTAAIEDSYVEESPSQNNDFVTSRSTTHIVFPGG
GIFFYYQAGLVCFLREKYDLSTCTFSGASAGALTATLTAAGIDFYEATDLALKLAEDAGV
WDRKGGGLQGIWGPMEEWLDSLLPASIESLQDRITLLVTPVPTFGKTKISKFRDREDLIR
CNMASVHLPWFLDGKLTSNFRDRPHIDGSFLSKEDDYMRKDGDESPVSMETIFLDWSKDP
AMSSKGGFDIVEALSPDGIYGLIEQGKLYGKIMEDQKGFDSLEKLT
>comp9152_c0_seq1; 285 118 1062 LEN=1642; translated
MVDDSKLRLRARRAFHMEEGHVHNTTTPSNRSSDNLRLNDASVGKIHGRVKRRRRRMVF
YRACRLLGLLAAAVITATLSIWLPPFSWTQVDYHHQLQHEVQYVYQKLHDNRNRFHSV
DNFHPNHLLHHTNKNNDNSVKVHPKRRKQNEEDRHYARLEDESPLGDEKEEIVVGPVND
EVKRHLRRPSTKAPHENTAANKDQADETQNAPEIVTCGDGTGFKNDYCDCLQDGLDE
PDTSACSHVLAQQAKFVCGRRHQVTNEQDPHDDPAEMNKKAVKWIYASRVNDGILDCPDGS
DEYDHTTSNHAQDG
>comp9153_c0_seq1; 301 168 895 LEN=895; translated
MDLGFGAKNQEIGEATAQALIRGAEVQEKGVENDLAQYDRLLEDEDALEDLRQKRIQQMQ
KQYLQNRKYKELGHGTYTELGSSTQDSRDIAKEFFKASKESDRIVFHFYRPTTRICDIF
HAHLAKIAEKHLETKFVKVNVGEGCDSTGGGASFLVERLGIVIMPTLVLVKDRKAFHHIR
GFDELGGHEDFSTNMLAHVLGAHGVTDIRDDEEMSEEFKERGINTIRIRKGAKKGGYSS
YDX
>comp9155_c0_seq1; 73 101 359 LEN=359; minus strand; translated
MTTNLKMRLRCWMSLIAVYQQRGAPYRAVGTEGCEHPVGNKGHSGXLVAGGRAGFRAEA
GERAGHRAGEGAGLRAGVEARFGAETG
>comp9156_c0_seq1; 262 1 659 LEN=784; translated
XSSNNSNSNHNHSKEKPEDNSLGISASIDKQGRKGVGAFLFRGRRGHPSSPCPSQRKER
MCTTFEEQRFDDHDIRTVNTTRSSKNGENPLGIGSNTMSIINENHSRTEDRQPASPLNN
NHINTNNTTDDKDKDLQKRAILGSARVLTMDGLVESFESPNAASKGFEARGTETARAA
DMETQVVATKIHTTQCRGPSDYSDSDSDSTASGGALAWV
>comp9157_c0_seq1; 1270 1 3725 LEN=3762; translated
XERGRDNFRSIDFAVSSSHEEFQLQRQQPQQQQPRPSTGTVTNNVGNRTKERGRDNFRS
MSFIVFPRNKSHEELQPQQPQKPPQLSTGMVSNNGFLSYVQSGELQKAKSPTEGYFFYRR
GEGNNDTSSNRTIAVDEEGLPGPSISRLLRIEVRASNRDSEKNNNNYYPKNETKEPKSNQ
NSGICEPQPLWSYQESPKLIKSHYQSDYEHTIWNASAAGISPSGFDYVNANYQALAE
ARDQVFEFPREVDDDDDDVELQLYTMQMMNRIAVKRTKSPRIYTAACKIQPKVTDK
LQHFHAMEEFYMCFDYWFEMFATLPGMNTNADRNRANQTAVVPVLIYDRETQLDNLVECFEN
NSFMKGLNELLTEQLGMTILALDDYDCHFRYHLKGVATTKLQKLYHPLQTIRVYDKPP
HKGYLMQHVEWNDMMDKLLGKKEKLAVRHTWREEQKKKETWRQHQQKQAWIEHQKK
QAWMEKRRQKSLIAQKKLSELLKQKRMVKGPEAQPTRAKQKQKIGKSEASQKMTKQMIAN
LEAPPKAEQLTTNPRIAQLMTKLTANPEAPPKTSQTI FNSDAPRKTCKGKAGGQQAS
SGTRFHQPTRSEENRIITSELTPSALRLKGERRRRLSTSGNNVDENEDDNKNDNGDENS
IGDASWYELYTAAQTKQQRQQATDANADHDDGESSQGGLDGADGDVYASGKGSSEEQG
DTDGTETNSNDNNNDRGIEDGGIGDADSGANI SADDNNNESDSKQGGTDGDANTDDNSV
TNNGLNADANRITADENDITARSRQQQEEQAMDASVDHYDDDSNSFAGFVDADTNRIAK

NSPRIMVRHIRQQTYPNHNKLSGQDDRNEADTNRRTESKPKVTVQKKREEHFATNAFAD
HYDNTGEAQLNPTAQNHQEDQAFDAHHSYNDTIAEDIHLNATGQNYPQQQASYGHNGNLK
DIHLNATADNHQQQQVINPNVTDNFNSDYAYTAASSKEEVTNVDSADNGNDYYSHHVCSR
PRIGILNRRKRSRILNAEELARDLSDLVYVYGSNDNDNKTAAHVHNLTSVNVVYFENK
SLEEQVDFFRSNDILVSGHGAQLTGLPFMAGGETTRCRQVLEFFPKNYAIPYYFGSLAVQ
SGLRHSFVYFDDGRNGGKKKQNNNFPGPYTHEELWQQLLEPSALQQIMPWEIKFGDTVEKR
REARMFKFCPRTDDMVS YVVQLVMIGTTVTD AEAQAQNETQ

>comp9159_c0_seq1; 610 209 1921 LEN=2235; translated
MSMLTPHMPSNMPGAYSGLSALIQAATSQ LGDFTEIDNSETSALLESPMLSNPPTPTFE
GRQLLELNVTSSSSWRRGESTIATVTVPLVSCVRHQEPEGTSKCCFPEVLM LLLSNPIYAD
VVTFFLPDGKYFAIRREEFTNQ LLSKHFGLTFCGDFLEVAKDWGFIRVNGKINEGDDNAGD
RNSMNNNGNNSDANECTNITAKINSSKAEIYVFRRFHFEQNQPVD TNKVRFKNGDVQNC
QQLHGSSIDDKDTPKLSKKISRNGKKSKEKRKLS S SPTNGESQNSAQRLRANSKTNSDGI
NP I PLSAGSCDRPIHQ LRRRSSLELWGMAQAITSSKICTRNGSERVKIDVISNMRHSSVI
KKSNTSSSPKAPDPIMPPQLERQSTGSSSLVDGGVETATHTIVTDAIEALLFDENHTRETY
NRHEKELSTSSLPGVVPI SKQLFSASDNNGVSSGTLNMDNNEKCKTMKKIPKSRGKVATT
KPKPDS SSSWPMYSSIESLEDASKKNANVDPSSPSFLNCGSLRVV I PKDGCEYRQQH KSI
YGS MVVSPARMEAAAALVSQSRIKNS EDVI

>comp9160_c0_seq1; 458 167 1528 LEN=1776; translated
MQQHKRCVLLALILVLALARILFSALSIRKTIQPQFLFDKNALDFKPTTKFIEEICDPSP
AKPIKKIESFRNYAFYKNLSELQTTNGHYETPLAVCEFHETMPHFPHVMQELYKCYTYWQ
DNPGRIPILHPYDKNIVVDLFDQDNPFVNGFLESILSQMNVEILDGDEIQEWLKTNMTKTN
HNSTFFKGNSTTVNGGKDNTDGTVSKVDFQSVEMNSTSGFV VSHVDKLNELVDH HFAIDS
EMSEKSANSNPTSCPSRIGILNRKRTRSILNPEHLVDEIIGADIGGNQSQFSTISLSSQ
QSVSVQYFEGEDFEAQVRFHFGIDLLISPHGAQLTGVPFMANKHCTHLIEFFPHNYLIPY
YFGTLARDSGIEYSYVYFSQSSDEEILSASEAPSFTAYVNRSSDGDNMLASESSNMLQRV
FATELDERRQARRKNFCVDPTI IIDAIREFIPKW

>comp9161_c0_seq1; 411 350 937 LEN=1068; translated
MKFALVSVLTAVSTISVTGFAPPVSLGSRDVRLTSKKS GHNLKKTSTTGDL DLEVFTEDM
LKASTFVYTFRCIRDVVRTHGIGVGDGKKIGSDNEEDQTKKSLWSLLFPKKQVEFYRPEL
IITDKGAQDANDNRNFKHV VTPDAIKLFVENNRKFFREDGIDIFFEENDRTEPF EF EKAL
EETMEDNMKI IDYVS

>comp9161_c0_seq2; 732 350 1783 LEN=2008; translated
MKFALVSVLTAVSTISVTGFAPPVSLGSRDVRLTSKKS GHNLKKTSTTGDL DLEVFTEDM
LKASTFVYTFRCIRDVVRTHGIGVGDGKKIGSDNEEDQTKKSLWSLLFPKKQVEFYRPEL
IITDKGAQDANDNRNFKHV VTPDAIKLFVENNRKFFREDGIDIFFEENDRTEPF EF EKAL
EETMEDNMKI IDYDDAFSTKNGGLVYGI VVNLTHKWVSVVFRGTVGLTDILTDRDFR LNE
EFFFSGGYGPPALGGSPGTHEGFTNYLATPREYDSVDRPLIDRILASVNDVFEKNPDVKG
KDFNLYFTGHS LGGALANLSAFHAANLKEKGGKSVKHLPNKIEAMTFAAPVVG NKDFNKE
YQRLERKGI LRHIRVSNQGDVIPTNYIPFPLSLAFKGN TKLYTQNGVNI FLKPRRELEIK
YRNTKSCSEQLVLGNVNILDNHMPPEYMRRVQTDKNEENFKQTV EELYAAKAGDCTA

>comp9162_c0_seq1; 598 157 1986 LEN=2070; translated
MGKPKNIQYGGQHRVTGEEVTRVYVRK KDARQAKGILKDGGLDDRFRMLPANGDADF D
PATDTISALVAIPVCGEFSEEGNCFDGI VGSMTASDDKDNSECTDGSRSASHFSSILVGV
GYQTCPYSTKMLGNSRANRQKLRNSNINSTAVSCTTGIMESLCLSRSVILEDVSENC DQN
GNISSNSIFDRVLQLDSTVCPGSRRRPLLEVF GDDRTVVVPPDAFEGEEFRSILRDVQRL
RVQQRKAKQSPSSNGIGDENDNENS NRQENGQSDDIVNLYVDFWRR LALAHNSPRVRRG
GIDPNSQIRESGHRILWPRPSKSIDSCNNENNTMDGLQSR SWIRVTEQGIKQSFDLTKVM
FSRGNISEKIRFGKHLVREGDIVLDLYAGIGY YTLPAVIHGKASKVYACEWNRNAVEALR
FNVRDNKIEDKIEIFVGD CRESVKTHGIVGLVDRVSLG LLLPSSEGGWRAAIRALKVPSGG
WLHVHANVPASEMASWTLWLCHRLEILVQEEHRPDDWWILCNHVERVKSFAPTVFHYVAD
VFGSLSS EAAPIGETFVQQRNQVEMAENNTCRAWMRKSSDLTWIPASKEIVVEPSCAL
SPDGVLSQDW

>comp9162_c0_seq2; 611 157 2016 LEN=2100; translated
MGKPKNIQYGGQHRVTGEEVTRVYVRK KDARQAKGILKDGGLDDRFRMLPATASAIEN
MNANGDADFDPATDTISALVAIPVCGEFSEEGNCFDGI VGSMTASDDKDNSECTDGSRS
ASHFSSILVGVGYQTCPYSTKMLGNSRANRQKLRNSNINSTAVSCTTGIMESLCLSRSVIL
EDVSENC DQNGNIISSNSIFDRVLQLDSTVCPGSRRRPLLEVF GDDRTVVVPPDAFEGEEF
RSILRDVQRLRVQQRKAKQSPSSNGIGDENDNENS NRQENGQSDDIVNLYVDFWRR LALA
HNSPRVRRGGIDPNSQIRESGHRILWPRPSKSIDSCNNENNTMDGLQSR SWIRVTEQGI

KQSFDLTKVMFSTRGNISEKIRFGKHLVREGDIVLDLYAGIGYYTLPVAVIHGKASKVYACE
WNRNAVEALRFNVRDNKIEDKIEIFVGDRESVKTHGIVGLVDRVSLGLLPSSEGGWRAA
IRALKVPSGGWLHVHANVPASEMASWTLWLCHRLEILVQEEHRPDDWWILCNHVERVKSF
APTVMFYVADVDFVGLSSEAAIPIGETFVQQRNVEMAENNTCRAWMRKSSDLTWIPASK
EIVVEPSCALSPDGVLSDQDW

>comp9163_c0_seq1; 516 79 2076 LEN=2389; translated
MTPTNVDWETLCAIYDDGENELNSEETLDEYHEQNSNNNNDDRKVRLKVSEFSKGFCTV
YMTLSSSKIAFARLVKSDGSYRYFTIDNPPILKLDLIFYSCENADKEDIVPGENDNSNYI
DHNKNDDWTESENDGPNLRLTWEYYPKEWPLLDKEKYRSSLAKRCHELLRDEGSFSVCQ
FLEHEAISFYHGNHTGDTNAIATDEEDGDAPVTNASNSWKTYADENHPDYLLVILPPKMD
QLYYPTIGSLLHPRKEAALLEEAAAKKTADASKKAVGRKTIANKKKPKPKSSSKKPPVAT
RVCIDNTLDFGRHALLQNWKDLYLTRCPICLEESILYSDGVVFPYCQHYCCRDCFDYSYLR
FKVQDLKQHRNPFVETCKRELPMTFCKPFLSESDTAAARAWYKDLKNPPAWSLDRCLL
TRTCGAVGSMRRRKS SVV SIDAASGKTSLQKPTLFSDDLQYL VYCESCKNTWCELCLT
RVYDDEICTVIGGSGSKNGARKPGAKTRHTVSSHKRLCNPKPILKFCSTRYKAASEEIQEK
VSSKYPWIESYSQFCQEDGAAL EYVLNHGQRCPCNCQTGVERSEGCFHMKCPTCATHFCYE
CGTELFPPYYGTHHCWEESSGGGAGEDDDENGEDGGAYNNNNNNHNNFAYYDADEQLAALQ
WMQY

>comp9164_c0_seq1; 198 1 312 LEN=860; translated
VEAEAEAEATAVEIEPTEETPVEEVEIEAEAEATAVDIEQEPEPEPEPEPEPEPEPVVF
DQKQQPLPAEKEEEEVAAKYAAIEDVGERAFAILTDLGMFDRKN

>comp9164_c0_seq2; 166 1 237 LEN=785; translated
VEAEAEAEATAVEIEQEPEPEPEPEPEPEPEPEPVVFDQKQQPLPAEKEEEEVAAKYAAIEDV
GERAFAILTDLGMFDRKN

>comp9165_c0_seq1; 1113 122 4624 LEN=4624; translated
MAVADNDNDGNDINIISDDNKRCDTSKTKGKKEKKIRKEKSTRSNRRNTKLMVSVRTIDA
QEDDDDTNEGAMNTGLRVPDRTNTKKEKARGSNLQKKNKRYESKRNLHGGSDSGSD
RTIRKKRKEKSMRKEKRETTT VKTSLKKVKSNSKVCESKKNRKKKKVQKGEDQTPPEI
ILESIAIKRVSRLMKNPTEVVLVKDDSGIGNEYWIETEMKRILGKLRQDGESEEDKYEAE
DEFSGSDSGCFPVVCRSICEIPLFYRSSKNANCGDGDSELSSSSTSESVVNTSFYSNG
CGLRRPPMHVITEALNNLINTLSDSSTYGGTAVWAKWFTEALGLSEVSYLASTGLVPEL
GVLLDLPGFRKHETDNSSDQNNACTKTEMGTPKPKKPPMTWDWNSPYKFHRSCLA VRDLL
RAVSESRHPVIMIINNLHQADM TLRLLHFLLTGDQWDQQLFAQPKKIYTD DDKKLSKEH
TKAIDEASGRQLNQLLGT YDGHKIVSKTLETLEQNFLKQEFDWKEQOEHFQOAMGR
DLEFEGTFQKQSRFHKICLEPQIEILERM FHEALAGASKDNSEICGESSHVEQDLREFTK
IVYKWTNCNASFGLQVLEYLKEEGSISLPSHNWNIDEARIESRLCETDPIGLMTFRINR
LPGVVRFALIITSSIRQTRIGFSTCQLFRLLRSAYSWMTDFPFDSISAFERALATACDLK
FMKRIICDRNTNNRTCLAFSHTIIRDAAYSLFSEQMKLEIHLRIGTEASALAVSGDLA
LSSDECSAFKFLAADQLVIAE EILDQDCDSVALLLVETAELCVSKSAFFTAIQYLQIGIE
LLRRNEGLFTQKNHGTCIRMYLLKARLHSTCDQDKIAIEKSFREIRKNSRNLKDEILLQ
VEIGILVGQKRYQEA LRKTLR TLDM LGKLPNVRGLPEITSLQFEELVQLTVSKATPKLF
RPSHCTEKKVCDVMSLLANLLEISQLCPSEGYRELATIRMMHRSLTSGFTRQYSTSFAYY
GASLMKHL SATGDL SFLREGFRIGKVCEKLARVDDFYGGHSLAVFHFIYI SHWRRPYRLSL
GQVLSIYNNQIESGDYFHINFVFTYIQYHLTCGHNLTKLDGNLQLFDVLYKNYKMKDDW
KIKLPQRFVNLMLGETSSPFLFVGCNLEDQKSQISRMKDGGETDTVNFIFYFLMLFTSIF
HHHALSKSCLEEVTEESVLP IWRPWIIFQCLTDIVFIPYIENPQEKEKFKELVNQKKDR
LLDWYNEGAINCSVMIALVNAEFTVADPGNKPLTVLR IQKLYDDAIAVSRKQELKHLEGF
CLERASMRFEIASAHGLSAEYMAKAHQCYIEWNATAKAVDIEEKHATKLFKSKREKMGVGA
GYVRQNSGLQYDPNQVIGGRPSEIKGINIKDAARKVEKVKDMVFGTRFNSERNVANDIV
PLSREPSRQSKFHSEHDVTKDITPLSRGASSRQSKFLSERDVTKAIRPLSGGASSRQSK
F

>comp9165_c0_seq2; 773 122 3307 LEN=3324; translated
MAVADNDNDGNDINIISDDNKRCDTSKTKGKKEKKIRKEKSTRSNRRNTKLMVSVRTIDA
QEDDDDTNEGAMNTGLRVPDRTNTKKEKARGSNLQKKNKRYESKRNLHGGSDSGSD
RTIRKKRKEKSMRKEKRETTT VKTSLKKVKSNSKVCESKKNRKKKKVQKGEDQTPPEI
ILESIAIKRVSRLMKNPTEVVLVKDDSGIGNEYWIETEMKRILGKLRQDGESEEDKYEAE
DEFSGSDSGCFPVVCRSICEIPLFYRSSKNANCGDGDSELSSSSTSESVVNTSFYSNG
CGLRRPPMHVITEALNNLINTLSDSSTYGGTAVWAKWFTEALGLSEVSYLASTGLVPEL
GVLLDLPGFRKHETDNSSDQNNACTKTEMGTPKPKKPPMTWDWNSPYKFHRSCLA VRDLL
RAVSESRHPVIMIINNLHQADM TLRLLHFLLTGDQWDQQLFAQPKKIYTD DDKKLSKEH

TKAIDEASGRLQNFLLLGTYDGHSKIVSKTLETLEQNFLKKQEFDWKEQQEHFFQQAMGR
DLEFEGTFQKQSRFHKICLEPQIEILERMFEALAGASKDNSEICGESSHVEQDLREFTK
IVYKWTNCNASFGLQVLEYLKEEGSISLPSHNWNIDEARIESRLCETDPIGLMTFRINR
LPGVVRFALIITSSIRQTRIGFSTCQLFRLLRSAYSWMTDFPFDSISAFERALATACDLK
FMKRIICDRNTNNNRTCLAFSHTIIRDAAYSLSFSEQKMKLEIHLRIGTEASALAVSGDLA
LSSDECSAFKFLAADQLVIAEEILDQDCDSVALLLVETAELCVSKSAFFTAIQYLQIGIE
LLRRNEGLFTQKNHGTCIRMYLLKARLHSTCDQDKIAIEKSFREIRKNSRNLKDEILLQQ
VEIGILVGQKRYQEALRKTLRDLMLGEKLPNVRGLPEITSLQFEELVQLTVSKATPKLF
RPSHCTEKKVCDVMSLLANLLEISQLCPSEGYRELATIRMMHRSLSGFTROYSTSFAYY
GASLMKHLSATGDL SFLREGFRIGKVCEKLARVDDFYGKFR

>comp9165_c0_seq3; 1002 122 4741 LEN=4741; translated
MAVADNDNDGNDINIISDDNKRCDTSKTKGKKEKKIRKEKSTRSNRRNTKLMVSVRTIDA
QEDDDDTNEGAMNTGLRVPDRTNTKKEKARGSNLQKKNKRYESKRNGLHGGSDSGSD
RTIRKKRKEKSMRKEKRETTT VKTSLKKVKSNSKVCESKKNRKKKKVQKGEDQTPPEI
ILESIAIKRVSRLMKNPTEVVLVKDDSGIGNEYWIETEMKRILGKLRQDGESEEDKYEAE
DEFSGSDSGCFPVVCRSICEIPLFYRSSKNANCGDGDSELSSSSSTSESVVNTSFYSNG
CGLRRPPMHVITEALNNLINTLSDSSTYGGTAVWAKWFTEALGLSEVSYLASTGLVPEL
GVLLDLPGFRKHETDNSSDQNNACTKTEMGTPKPKKPPMTWDWNSPYKFHRSCLAVRDLL
RAVSESRHPVIMIINNHLQADMDTLRLLHFLLTGDQWDQQLFAQPKKIYTDKDKLSKEH
TKAIDEASGRLQNFLLLGTYDGHSKIVSKTLETLEQNFLKKQEFDWKEQQEHFFQQAMGR
DLEFEGTFQKQSRFHKICLEPQIEILERMFEALAGASKDNSEICGESSHVEQDLREFTK
IVYKWTNCNASFGLQVLEYLKEEGSISLPSHNWNIDEARIESRLCETDPIGLMTFRINR
LPGVVRFALIITSSIRQTRIGFSTCQLFRLLRSAYSWMTDFPFDSISAFERALATACDLK
FMKRIICDRNTNNNRTCLAFSHTIIRDAAYSLSFSEQKMKLEIHLRIGTEASALAVSGDLA
LSSDECSAFKFLAADQLVIAEEILDQDCDSVALLLVETAELCVSKSAFFTAIQYLQIGIE
LLRRNEGLFTQKNHGTCIRMYLLKARLHSTCDQDKIAIEKSFREIRKNSRNLKDEILLQQ
VEIGILVGQKRYQEALRKTLRDLMLGEKLPNVRGLPEITSLQFEELVQLTVSKATPKLF
RPSHCTEKKVCDVMSLLANLLEISQLCPSEGYRELATIRMMHRSLSGFTROYSTSFAYY
GASLMKHLSATGDL SFLREGFRIGKVCEKLARVDDFYGGHSLAVFHFYISHWRRPYRLSL
GQVLSIYNNQIESGDYFHINFVFTYIQYHLTCGHNLTKLDGNLQLFDVLYKNYKMKDDW
KIKLPQRFVLNMLGETSSPFLFVGCNLEDQKSQISRMKDGGETDVTNFIYFLMLFTSIF
HHHALSKSCLEEVTEESVLP IWRPWIIFFOCLTDIVFIPYIENPQEKEKFKELVNQKDR
LLGKIVNIDVLLFAARILSV PANWRMIVFHLHSTCI IKCMKD WYNEGAINCSVMIALVNA
EFTVADPGNKPLTVLR IQKLYDDAIAVSRKQELKHLEGFCLERASMRFEIASAHGLSAEY
MAKAHQCYIEWNATAKAVDIEEKHATKLFKSKREKVMGAGYVRQNSGLQYDPNQVIGGRP
SEIKGINIKDAARKVEKVKDMVFGRTRFNSE RVANDIVPLSREPSSRQSKFHSEHDVTK
DITPLSRGASSRQSKFLSERDVTKAIRPLSGGASSRQSKF

>comp9166_c0_seq1; 545 118 2118 LEN=2810; translated
MAEIVASSKIAPSTPASASTNNNSNNNYSSKQNKIPNPNGHGEHTKNGGSATAVENYHTK
SNKKEESGSSTTIVRAFPHLTITVYIPTVCVGLIGKRGYTIKIQRHAVTESSRFYSSE
GLQQSQPQGGRRDNGGSNKQSSKQKKVSPDSVRI SVVNYPPPAPTAQQHQQNYENYDNPH
YLVNSEEY PVSAGPQKQPLQQQKQQQHHP SALPHPLS QSALHSSIGDMGVPPTYTELD
FSNPQWTPIVIRADPIAALHASRAIHEICFPEYVGDRTHLVYIMDVPVPAVETASNNNSN
TISSPNTNLRHASIVGKKGNKLLQLSADHSCRIMVPPKQLGHNI IQLEAPLQECCLRA
ISARLQPDNASDFSSGDEQECKEPLSPQNGDANHHKPHP SVALQANTNSNNNYNGQGQN
QSGQTKNARNRNKIENARSNYQISLIVQPLPSQTKLRNIARKTETKILRKKIPKSQQKQK
QKQLEEQRQKQEQQPPEDSELLEDVDGDDDAQEQQEDNHPATTGDGSANNSSRD TANNP
KSSGGSWRLTVVATTEKKATKALDMLKVLVSKGYEVLVEDMGTTTNQNDATQNNKGNKSP
TEQPYTCTNRDAEVPSEVSANGTESQEAPFESA VDDSKGGSNNHYNNKSGGGRGSRGKKK
KKYLYK

>comp9167_c0_seq1; 111 1 325 LEN=489; translated
XATVPCWNCLEIGHYKSECPNVGKDGVARGRSSSHNAQQPPTTILDVTNLLQAPNPYASY
CNVLATAFQKKDLPTIRVRVETSLKHHGAHDEKNWNARRKSIFIVVD

>comp9167_c0_seq2; 295 119 933 LEN=1018; translated
MHSKTEENGGCRKNNSIWKAIDKLEQRKDNFHPETAQVLEILRIWGGKWQGNSTMA
SLLNKSTLHYEIEETIVAIHYLVEGLARRDERRCHVVDVCAGKGMLSFLLSYFKHPKVAS
IVMLEKATIDWSHIYESNKTAKDENRPEITIWDNTNLHDYDDVLDRLALPHPVAMCGIH
LCKQLGPSFCGLFNGLGKKS IYGXLVTVLYASGGHDPEEECEKKDIYVVHTTDGNYRGP
LCETRLYAPTRTTSAEQFRFDNEKMLNSH

>comp9167_c0_seq3; 402 119 1327 LEN=1491; translated

MHSKTEENGGCRKNNWSIWKAIDKLEQRKDNFHPETAQVLEILRIWGGKWQGNSTMA
SLLNKSTLHYEIEETIVAIHYLVEGLARRDERRCHVVDVCAGKGMFLSFLLSYFKHPKVAS
IVMLEKATIDWSHIYESNKTAKDENRPEITIWNTNLHDYDDVLDRLRALPHPVAMCGIH
LCKQLGSPFCGLFNGLGKKS IYGCLSPCCMPRAVTTQKKNKRKTFTLSIQLMETIEDR
CARRDYMLRRERLRKPLTGPCFYCKSEDHPILRCPALNTLPEEEQISTRRAWHIATVPC
WNCLEIGHYKSECPNVGKDGVARGRSSSHNAQQPPTTILDVTNLLQAPNPYASVCNVLAT
AFQKKDLPTIRVRVETSLEKKGHAHDEKNNWARRKSIFIVVD
>comp9169_c0_seq1; 249 328 717 LEN=717; translated
MDLSVTNAIRRLESGEIELKDLSEELKDNIDVVLAAVSEDGYALEDASRRLRNNARVVEA
AAQPDGVALRYASDEMKNNEELVTHIVTHNGEALKYASEELKNNQEVVITAVTNDCCALE
YASDEMKNK
>comp9169_c0_seq3; 370 262 921 LEN=1060; translated
MERTAQSCLCAVADAIQLVDRNPVALKYLSEEMKGNIGVVLTAVSGEPYALQYASMGLRN
SRKVIMA AVRQNGYVLHYASDELKNNREVVMTAVTQKGHALVWASDELKNNKEFLMVAVT
QYGNTFHYASYELKNNKEVVMMAAVTQNGDALQCASDELKNNREVVMAAVTQNVAAFMYAS
LRLQGDIDIAMTALEDCAGLLKYCTDIFFVGCQQRSLGH
>comp9169_c0_seq4; 345 262 846 LEN=985; translated
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SRKVIMA AVRQNGYVLHYASDELKNNREVVMTAVTQKGHALVWASDELKNNKEVVMMAAVT
QNGDALQCASDELKNNREVVMAAVTQNVAAFMYASLRLQGDIDIAMTALEDCAGLLKYCT
DIFFVGCQQRSLGH
>comp9169_c0_seq5; 298 262 794 LEN=794; translated
MERTAQSCLCAVADAIQLVDRNPVALKYLSEEMKGNIGVVLTAVSGEPYALQYASMGLRN
SRKVIMA AVRQNGYVLHYASDELKNNREVVMTAVTQKGHALVWASDELKNNKEFLMVAVT
QYGNTFHYASYELKNNKEVVMMAAVTQYGTALGHASDELQNNKAIVMAAVTQDGYALYX
>comp9170_c0_seq1; 86 1 444 LEN=1467; translated
XGAKPSTSGGSLVRKDLFLVTPDLLVLLPNPVS DXIALVNLGNTHGTGVTNGESCCKMSH
LGNPQAQRTIKFITAI ACTGAGIQATFFSNYDHVPGFEGKDHVFSGLQRDARDFLDITVY
GIDPEIVKQRASRPKQHTAE EHNHKPSK
>comp9170_c0_seq2; 86 1 444 LEN=1105; translated
XGAKPSTSGGSLVRKDLFLVTPDLLVLLPNPVS DXIALVNLGNTHGTGVTNGESCCKMSH
LGNPQAQRTIKFITAI ACTGAGIQATFFSNYDHVPGFEGKDHVFSGLQRDARDFLDITVY
GIDPEIVKQRASRPKQHTAE EHNHKPSK
>comp9170_c0_seq7; 86 1 444 LEN=1730; translated
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LGNPQAQRTIKFITAI ACTGAGIQATFFSNYDHVPGFEGKDHVFSGLQRDARDFLDITVY
GIDPEIVKQRASRPKQHTAE EHNHKPSK
>comp9170_c0_seq8; 86 1 444 LEN=2093; translated
XGAKPSTSGGSLVRKDLFLVTPDLLVLLPNPVS DXIALVNLGNTHGTGVTNGESCCKMSH
LGNPQAQRTIKFITAI ACTGAGIQATFFSNYDHVPGFEGKDHVFSGLQRDARDFLDITVY
GIDPEIVKQRASRPKQHTAE EHNHKPSK
>comp9170_c0_seq10; 86 1 444 LEN=1731; translated
XGAKPSTSGGSLVRKDLFLVTPDLLVLLPNPVS DXIALVNLGNTHGTGVTNGESCCKMSH
LGNPQAQRTIKFITAI ACTGAGIQATFFSNYDHVPGFEGKDHVFSGLQRDARDFLDITVY
GIDPEIVKQRASRPKQHTAE EHNHKPSK
>comp9170_c0_seq12; 86 1 444 LEN=1368; translated
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LGNPQAQRTIKFITAI ACTGAGIQATFFSNYDHVPGFEGKDHVFSGLQRDARDFLDITVY
GIDPEIVKQRASRPKQHTAE EHNHKPSK
>comp9171_c0_seq1; 348 240 1124 LEN=1244; translated
MADPEAPRLVRQDPPPPAEK DARGSKRPRPEPGPSTAAPPGESVVRPVVTPTAEGSSPDAG
SSSPPSKEAPKQGSSAETEE EIPDLARTLGLLEAGDEIEVQWEIHRDEDQDQDHGEDQGRD
GGGPEVSVHWRATLMEYD GKT TDSVAVRTL CYEARPD LGFPEPSKEDVVFLGRDVLAA S
TDANS GDWEANPGAVRRMPYRRVGS GAKASAKPEEEVFYND DQDDQLNDLLLGALERNK
EAWRAVPAARQAAIAEAIKEKKDKL KAILQAEAKKRDNKVITSETIREILARTF
>comp9172_c0_seq1; 516 204 1541 LEN=1624; translated
MIPTRRVFMRMKNKLLWSTAVAAAATTTT VLFCS PSSGDLSSRCEQRLV SFASAFTPO
NGPWGVATGSAAAMRVSSISKALSSAATSAGV FSSNVTECKESDAVEGQDDEESVVVTEI
PFDESVLTYDHYNGVTINLEKYEENNDGRADDDSLNLSFATKLNNALS IWKA EGRKGIWI
HTNSQSAKIYIPDCVEAGFQFHKILPKKTSNDSSNPDEGNSSNALVLSRWLPTDTPSRLPH

GPTHQVGVGVILLNPSDPSQMLVVKELSGPAAKYNLWKMP TGLVDPQEYVPEAASRELLE
ETGIEATMSSILCIRQAHRSNADTSDMFFVCKMTPSKEEIIWQRQEAIEAIEIRWMPVKEY
CQQDQWQGSPLYETLND CVLKASLQEVERQQRNAEKVDTGKI LNGLIEHRQLEVGFGRTDG
KSEALFLPEPQQLPSSITTTTGSKL

>comp9173_c0_seq1; 235 1 564 LEN=564; translated
DQTKPNKAQPTGANTPTHTPLPSVKNQAIHGTHIQRSMSSSVTDPATENEALAFRPS
REEWTLLSQGAEARVWKLEAGPSKGSSSDGNNGDGDGDGPRGFLVCKERFSKAYRHPDL
DLRLTKSRCRSEAKLLGKCASRSAIRVPRVVRVDP PSLYLEYLAGPSVKSYLQGGQQRKKK
QQQEQQQQ

>comp9174_c0_seq1; 473 197 1600 LEN=1608; translated
MRTKVQVQRPLKFYLVFFSLIAVLVACFTPSHAQQKNGNGSSGKGFGRKISERAGAGAD
TTPEGRYLDAFGLKLEDGKNGDRNVRSLVDRSPGEILLAI PSEEIITVERIRSRLTASCE
TKRDDNRPHEDEEEGLAIGLLRLKYDALDPYVSNVLPK KHFNAWTMSRDLWMETS AVLPR
CYLETFDATRQVRNRFATETAAAADHKFTVEDALWAF SMVRSRSLAVPELNDDDSGKSDR
MPLALIPGLDLLNPKFGVGTQLQLVAGEGISESKWLLSTSDSISAGDEVFLSYGDDKDNW
KLLLTYGFAIPNNPNAVVFWTWSDLLDAAQTVRPTFSDRVCRQLLRHPQLEAYTVPSEH
RATFSYDAHTGTPRESLSNGLAMLNNLAAQLGKPEADNDALSTEVLEALISRRLEELREG
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>comp9174_c0_seq2; 472 211 1614 LEN=1622; translated
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TKRDDNRPHEDEEEGLAIGLLRLKYDALDPYVSNVLPK KHFNAWTMSRDLWMETS AVLPR
CYLETFDATRQVRNRFATETAAAADHKFTVEDALWAF SMVRSRSLAVPELNDDDSGKSDR
MPLALIPGLDLLNPKFGVGTQLQLVAGEGISESKWLLSTSDSISAGDEVFLSYGDDKDNW
KLLLTYGFAIPNNPNAVVFWTWSDLLDAAQTVRPTFSDRVCRQLLRHPQLEAYTVPSEH
RATFSYDAHTGTPRESLSNGLAMLNNLAAQLGKPEADNDALSTEVLEALISRRLEELREG
LKLLTEQREKRSEATDKQEEYAEWESFFSLLFALKSEEQQQLQTQH

>comp9175_c0_seq1; 245 276 1091 LEN=1562; translated
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WPPEPEYARVYASSAPKNLIVPGVVDDPDNDGYSTGYESGD ISAFIFDQAARLNPVIKK
KKKKGFRKVT SRINKGTRGFVKDTVAGTERVVGSTAGL TIDAVRGTAKITTSVVKGTGKQ
AKSAAKGTGNFLGLRNRKSKAYEESDEDYY

>comp9175_c0_seq2; 1048 232 5289 LEN=5760; translated
MRIRRRGRSKDSSNSHDDNRGGIMRPPFLLHREHRTQRSQNF TDTQHHRGYHSDGAPQNG
ANDNNVQTRFPRFRGGRRPKTPSQTTTTNRHNNNH SKVGS SIYSDDGCSLDSFVSTNDRY
YGT SIGTSGVESDPYEFVEFEQNRGRATSGRQRKKKNSLR SRSSNRGDDSIDPFDSDNG
SIGDPHATSQPASPFEEENRRDSYKNNYKNRAHALSYGGSFDSDDDALFFEESNCDQSHYS
ESSVGESPKYEPHRNSSMSISRSQHLQLSHTLDDYRGDPYSSAITNNYHDDDSESDSDVS
FRNRNRHNSLRHSSPRSTPDMVDMNQRFLEHMAKRPSNEGSKRIRKGE GIEDKLFV
PDYAYRTTTPYMRKQLRAETNSKSAFYHDVRLYKEASQSKTSSKSGKDR LKNFGE LRV
ILQCYGLPTTSLIKEVSAYAVAVHEDAFAFQTDMI PNIANPMWLSKMRRACMFGVSTMYSQ
LYIGLFDLEPLIADPDDVVGHIGHPGWLPPDQRARRGSF GFGGRGEGRMSFGGGANGNRE
GRANFGVREGRLSFGGGSREMHL SNVDQASGRIGRSGS IGSRRGSGNESNKNDTDAEDDD
DLDDTIKCNDCARAEDFIGHVVIVDCKLRPGT TYDVTLPLRRSKHVFSRDPRGSVRVRL
HLTWNRSERSAVLSYLPRGLPGGTTGSQLSNKPNT RFTINCVDDRAARNVAHTIHGVHMPG
KFDPVLVKATMREIHWTRIH LFRYL RQKQIYNLCNWVYPSISGFCFLAWMHAVYNTVRY
FPGHVVFVFLHLIKNYSYAMDSPLQNGFLGPTLEELYMALMHPPLRKR GKKGTNGYI
HPLNMQLKEDAWGATASDHLRSSASRNNS SKNSDNMDELYDENGDLVNVSRFSLTEIANA
MREKLRVQPYRNGLTIFQH SFQGEDAVDFLVNNGYAKTRPEAVGLGRRLESEKGLFADVT
GEARFEDSTYVYAFRTGYENERFVIKSHVPRGGRFLELLGFYSRSGKQTGEHHVGNKKN
GKNTDDIAVMVGGADILEAREHVEFPFATGVDHPRFTVKE SLVIHSPEKSKVEKEKQAR
DVLESAEFGI IPTSLGSSANSNDNQRANNVSGYESETGTKMTGNARISLKR TSSGRLSDG
FVNGGKKITDSARRGSMIVGEAVKTVATGVATGVVVGANAVAEGLI WGNRQDANPIASTG
SLEEVAVSEEDIYKLLKDQNNLELDRLIELQRKADAYDPYQYDSNDVGNIQKKRKHV
IFEKHLKEPRNQEIGGNIHQQQSDMSLARALDSSRRQLHRAF YHMFDDQVYKIDENLFP
TQLDKDAGKEMKKKKRRLFNRRVSNEEMKLEERQKRMQMPY EKQKEEIDKVLLINEH
SHWNPMNRI GIVIQPLLEMAQTFLFATRASFNVMTWQDPVLCFWLFCVGPPLVLLLYIA
PYRLFALVGLY WIGPQNYLLRVYRETRPGYQPPDFDLVVKKKKIEKAEDFQEMQFFSSD
APGNQQIRFQNI DPTHVKQIVVPSNVLMYNRFYDWPPEPEYARVYASSAPKNLIVPGVVV

DDPDNDGYSTGYESGDISAFIFDQAARLNPNVIKKKKKKGFRKVTSRINKGTRGFVKDTVA
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DEDYY

>comp9176_c0_seq1; 864 356 2513 LEN=2513; translated
MRERARGGISFCDRWLYLLVACAVSVFYFDRSMLRSVEEHVFKFSTEETGSSRITSTAG
DSSPPVPSSTCIGYREYFPPEHHSGLPYLADAFASFDASTVTFVGINRGKCDEEWKEADS
FASFHVEQYHRFLCVFRGISDASNDEEVVYVLSDYIESTWPHDPVYLIQCQLPEVFRHLI
TPGQTLTNLHVDLRSLLEDMEQDKGGSWGNHRRRNPPRSMSDGEDSDSDAGYRSSASLAL
DVLPSISNIPICHPESVHVSKFSCRNSQHPDDSSHLQPNQFRLVGFPLPITSSYAIDSREG
AEDSTVWSSSAQRLPEWIDYHRMQGYDHFVIYDNDPLPNGPIYQILINEGHIDSGLVSYR
WFPLKNCMSSVEHRRMDTAQVSGSMAALHRIGFSTEFFSYHDGDEYLVPLRASKRKSSEP
SRATILELAEDIFEAKPEIDAI EWVPTVMAPCNGTVVEAGGSVVAKWQCLTDQHYADVKL
IVRTATIFYFCIHYPVVRKYTKERGDTSPEAYRLDDTTEGYLAHYRAENDPNGSWRDDYA
GLVSNEWTDRIDYMDGFLASRGVEGFPRTSQSSASGIGEKPKTKPKTKPKPKPKPKPKPKK
KKNNGSKALGGAATAVLERPPEPEAAVAEEEEPAAAAAVAVEEPEIIQAMEEEITVEAEP
VEAVEAEEIPEAEEEEETAEKAPATAVVEEAPPSTPEEVVTEEDSEVVAVLAEETPVEEX

>comp9177_c0_seq1; 544 233 1702 LEN=1757; translated
MVVVRNIELYVVRHGERQDEAIRREFRSWQAAKTHHRRSIERGTPALPATDSLDPPLTAR
GHRQAAAFSRLFGVLRRGDGPRIAVVCSPLRRAVGTALMIGTVGVDAQSGNGEPLLE
FPRHRSGANSDDGHDGAIPITVLNGLGNSAAAVSKRGGMEELVPKGFIRCAGMGSNDGTDA
SPLARALSSMPVHRQNEPCAQHSQKPIRFWKRHEDKTGKSWLSSPVSKPLRPVVPDED
QRGGNDGFSYPSRQSPRGTPLLPKNPLSAVDEAVAMAADRRCNVCIVVAHRETIRDLAA
ERCGYFGSLSTPYCCVGSFGVSLIAGAEGGRAGVGEDSGATCAKYHFHNWSTETFTGTQA
IPRHFPSPPTNSSSSSSCSVFLVSGEIGSPHCVCTIRSNLQKGEIGSQQVWLSDAEETLR
RDLRKRKTEGFCLETKILTGREWEQLLTRQTGGVLKGTGWQLPDGRIKILQLENTM
IGRPSATIEW

>comp9178_c0_seq1; 277 197 1097 LEN=1643; translated
MPCRTLQSPELAAHVLDYAVNRGDLGSEGQSCDLGCGTGMLLVAAAFVVEEGEFVFGVD
CDDDALAIKENVEHVDLEDVRFVKARVRMKNPNSVSGSEDKRGHPSRTNKRGGRRGRGG
RFGGRGGGRVGSQPASLTAKARLIHDGEDGIPLDNCVETVVTNPPFGTKSDNAGIDVQFL
RTATRLARRAVYSFHKKSTRDFLLKMIREDWGFPESDVVAEMRFDIPKSYKFHKS SKSDV
EVDLIRIFVGDKTSHDGNADEHKNDPNENEDSVQKKIDDTGEEKDDTTTAKSTQDESIA

>comp9178_c0_seq2; 277 197 1097 LEN=1734; translated
MPCRTLQSPELAAHVLDYAVNRGDLGSEGQSCDLGCGTGMLLVAAAFVVEEGEFVFGVD
CDDDALAIKENVEHVDLEDVRFVKARVRMKNPNSVSGSEDKRGHPSRTNKRGGRRGRGG
RFGGRGGGRVGSQPASLTAKARLIHDGEDGIPLDNCVETVVTNPPFGTKSDNAGIDVQFL
RTATRLARRAVYSFHKKSTRDFLLKMIREDWGFPESDVVAEMRFDIPKSYKFHKS SKSDV
EVDLIRIFVGDKTSHDGNADEHKNDPNENEDSVQKKIDDTGEEKDDTTTAKSTQDESIA

>comp9178_c0_seq3; 337 163 1128 LEN=1674; translated
MRLKHLEASLSCLQREFPDPKVELEQYPTSPELAAHVLDYAVNRGDLGSEGQSCDLGCG
TGMLLVAAAFVVEEGEFVFGVDCDDDALAIKENVEHVDLEDVRFVKARVRMKNPNSVGS
EDKRGHPSRTNKRGGRRGRGRGGRFGGRGGGRVGSQPASLTAKARLIHDGEDGIPLDNCVE
TVVTNPPFGTKSDNAGIDVQFLRTATRLARRAVYSFHKKSTRDFLLKMIREDWGFPESDV
VAEMRFDIPKSYKFHKS SKSDVEVDLIRIFVGDKTSHDGNADEHKNDPNENEDSVQKKI
DDTGEEKDDTTTAKSTQDESIA

>comp9178_c0_seq4; 337 163 1128 LEN=1765; translated
MRLKHLEASLSCLQREFPDPKVELEQYPTSPELAAHVLDYAVNRGDLGSEGQSCDLGCG
TGMLLVAAAFVVEEGEFVFGVDCDDDALAIKENVEHVDLEDVRFVKARVRMKNPNSVGS
EDKRGHPSRTNKRGGRRGRGGRFGGRGGGRVGSQPASLTAKARLIHDGEDGIPLDNCVE
TVVTNPPFGTKSDNAGIDVQFLRTATRLARRAVYSFHKKSTRDFLLKMIREDWGFPESDV
VAEMRFDIPKSYKFHKS SKSDVEVDLIRIFVGDKTSHDGNADEHKNDPNENEDSVQKKI
DDTGEEKDDTTTAKSTQDESIA

>comp9179_c0_seq1; 253 144 983 LEN=1110; translated
MSQISTNSTKKAIVSLKALLLIPAILSLFVFLSSKQFAKTSFVVGIDSPSWARFSTVF
SKSSIPACDNYPWKESENLVGDCAGSLTVFKGDPATVSSVETCATACCESDDCVTWQFRK
DVGCLHGGDVRIGMEKDGPAWSCDHAPRKWEGQYVMQRAHGQIVKNKEETGACSLDTWN
PNEQPGQCFLGDLVKKTRKDDKSVLLNSARACMEACCAEEDCGAWQFQSGLGCIFYHARMH
GCIDTSDPTVFEFVGRKRFRSSREYVDMKGPWSQKLE

>comp9180_c0_seq1; 734 67 2473 LEN=2531; translated
MASQSPSESASASEGNRRGDSGNEVSGSTSAEPSLYFVWYNSYVPPFDPRDGAVEDGRED

RSRWNDNGRDLEQASENAFQGERWNLRSNNTAEPSSIRQQFRTFWAMSKPYFSESEGEGRCLF
SGLVVLMLLDSAARIAFASYLARDFWSALGDKDADRIFYAVMLEFLVALCLLAPINXLLSVP
ATATGDQVEAVDDGATSASLFLQSPDLLSIGTKPTGAEPXVTRRGSRRASNHHCVDNPD
QRLAEDVRSFTQYSLSLFLTIASVSLIDLTAFSVVLTYTIKPVLFSLIVGFATFGTAMTCLL
GKDLVKLNFQRLSREADFRLVRLRENAESIAFFRGEATEGHELTRRFQNVVQNAAYDLI
GTQRNLEFFTTSYNYLWTWILPVVVVAPEYMAGAVELGVVQQAAAAGFHVLDLDSLIFNEF
EGLSEFSASIGRLHQFVTAVKNADPDRRDETDESAPLMGYPPGNDGSNSTANNSSGGDGI
KTTSTSDANAEAAGALFDTNYTVHRTTQESISLKEPALSGSGVDPTSPALCIRNLNLYT
PEAAIPSPSENFLSPTARTRELIRSLNLELKWGERLLIIGPSGIGKSSLLRAIAGLWTS
SGVIERANTSDVYFLPQKPYCPLGSLRDQLLYPIRSSTSSSTVLSSSSENKSINDDNNEIP
KTPCDQKLEILESVDLGLAKRSGNGDPFRGLDAVVDWSNLSLGEQQRLAFARVLFHE
PRLVIVDEATSAMDISTEEKMYKLLIAKDLTYVSVGHRPTLLKYHTKRLELHKAEGTSDY
TFEDIRSTADGVANEEVNLFFR

>comp9181_c0_seq1; 401 128 1296 LEN=1374; translated
MAKIRKANESQEDGKPRKKFKKESPHKKKDKRQKQKQKDGKTDSPAESTEKKWSKSKKKR
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AGSRFRILNEELYTTTSQKSYDKFKENPELFEQYHEGFRHQVESWPENPVDVMVRSILTST
YHKNAKHQTTGPCVVADFGCGDAQLAKDLLAVKXKIKQKGNIREENSFEVHSFDLVS
ELVTACDMADVPLKDKSVDVCFCLSLMGTNLADFIREAHRVLKDSGRVKIAEVRSRIEY
SHGRKGKKNSSNNKESSSSSGNKDADVTSKEKTEGTLEEFDTVLKKGQCVRTDRSNTM
FLLLDLKKNKPKDKLEFSKPCYKRR

>comp9182_c0_seq1; 1069 58 3510 LEN=3988; translated
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TRMGVTRPTVLQRLDVLVRECHGSHHIALELDIERNKNADTTSEPALGSNRSPLSGRCE
GQVLVHSRDEYEEITTMCHRDRMQKHKGLDFDCTIRYNATLTHEWIDPRLRVAALAGTAT
NSNNGEIQSPLKRLRRTAEKESIAKGRYDTGETTISDFQEEDQRLDDASTSAMHLNTEQP
PKRAQVYDYKSNMYSTIPEHDCYLDYEGTISWIKDFVKAHASSALLEITWSDIGDSWKK
KDPNDGYDIFALTITGKAATPDFEESSSSSSSKFEELFGINENGASENQSSSEYENILQK
NTKKGKAPLLLVSSTHAREYTPPELVRRWDLFVDTVVSGIHSEERTDALSMLEHTVIHW
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DEIACSPFSRSGPASEPETIALVEYAKSIFPIAQVGSNAVLHSGGDYRIVHDPNTSVP
ADTSSTKWRGFDPSFTKGVFVDVHSYGKVIYPWGNTNAQSPNDVFSFRSAMGHIASLTGN
APLGPDPHYGVASGATDDWAYASLGAFSMTWEIGRNFHEDCGDFETDVVDPQRHFRSFA
YLAKIAPFPFALGKGPVVSQPSDGLLGVGNEVHIYYQYTGTAATTATNNQFYHRANVHD
NESNDDEVLDNRNAYTATALNHGSNSTNIEKQVVRVESYPKEAYTVEADLDADETIAIAIE
VKLPERIPQHFEPIEFETDNDDEEEDDSHSSIPPSSISIRIFYRKNPLVGAKEYGSGVV
PSLSDGQYYWDLSDSSKDDHDTLYVGYLTKSQLWEAFSGNDEEKLPKRKPPAQTMHTLY
IQAMDNAGNWGPVTGKLTVVIMEETKDIYEKDTYPYNNHTIDDWELDDFFGPIILGET
TAGHSVTATTAPAADSQSSASSNDDSDVANHQSSNSDSTFP SAEAKSAPGSEYDVGMDA
FLHEEQEKQKIDIDNDEKEPEEIGEEKIRSNASGSLSRHYHVS VIRNWQGMKSQSVSS
LAAVVLILLY

>comp9183_c0_seq1; 156 2284 2835 LEN=3051; translated
MTSKVACKCAIRVTEKQPVTTRVDPKAPHNFGAISYREEMLHTAERPGHFTQNFHSSIIQ
GWIRHVKSKGITHVLIIMDDNEFDVYDVLKEFYRSGLIVHHIPFRSPNSYENIMALLQ
NLDARGEKVVAHCSGGKGRGRCGRVACAWMCKKWCLTPLEASQEFIDQAVENGLYRLGDVEK
LKKW

>comp9183_c0_seq2; 281 313 1320 LEN=2943; translated
MDALVAEEKAAATSEEKVANNEKKEKKIATCREYGGDSSHLIYKSGIPTLRASAHRVKARKK
NRKHDPKPLDRDGNETGTTWLPPEEVQEEKIFSYNVEQYDIVGAVKGLLRDCDPEIVGSFE
TTTLEGEKSSEFEKSGTRLEDFRVAVSSVWRVTNNGGTCEEAQKYL SNKVEDVAFLKIFD
DFVTEVVLPYVKGRLVACGALES DSATCAFYYQRPTLRQLPGPGWAKVRPHNDVEYGHQ
NGELNMWMLPTDRNLTGVDLWSETFYEEGDYHPKAKIGEVI SWHGSSRKHYVNPNASVN
TRVSLDFRIGVEGYFDPWRWEMQGTDDHSRRKVEL

>comp9184_c0_seq1; 277 1 1062 LEN=1538; translated
HPLHFHNSLVVKQFEIVMMRTFLLLIIGVLIRHHYLAHILLISTNGVTGFCFRHPRHSSG
ASTTVSNVMKRSASVSLRTSFSEEIFTNGNSLRTNSRKDDEEIHLEGDDASTEGYPWSKVQ
EWALRDNLPKYTVRISKRENTGRKKVELSSFVLWRTLRRDIPELCGYPVEILRSRHEKM
QMAQQSKTHENTDDGHFPSTKSIDGGVTTALGVLPFLQDYEFSTDGGMCGYVYGLDGLSD
GSR IETSQ LKNVKETLPRGFIQTSDDTCYELGQPLQTDLEGVTKRTNSNTVTKLSLDKLS

EKSTNNDFRSAIDTIEDPDGLLLRLGATTGILLAGATAFNMVSHHLTVNVFWV
>comp9186_c0_seq1; 273 1 1125 LEN=1575; translated
SSSNYQPATHTKVVSPMSSDTPDSSSGSRTDDNGCGIPVIDLSPDRDETKIASELLDAF
STIGFCTLIHHGVPSEIFRKAFLASKSFFELPLATKLRKYKSPAANRGYIPYGSEKHDK
DGEGRFLPADRGETETIAITPDQKETMDIGYDDPSAIPSEKDGVIYANEWPTLSPDVFRG
ALETYFEEMDNLNLRMLHYIGEALGLPDGGRGLVEQCNAKPQNLRLLLHYPSTVRDQGTGG
DTVLRGNAHTDFGTLTLAQAQDSVGLKVRADGTWTSVRPVEDSIVVNVGDMLMRWSNDR
LKATLHKVESPDAAATAEVSPCAIVPERYSIAFFCNANKDVEIKNLFPEDEPAKYEPINA
HEYLTQRLAATIST
>comp9186_c0_seq2; 804 27 1550 LEN=3033; minus strand; translated
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VINEVTKLSAKQQPMWDVIDLDPYGSVAPFLDGAVQAAENGGLLCITCTDMAALGGSHPE
TAYGRYASLPISAKYLQELALRILLHTTAVSAAKYGRITIRPILSVGMNFYVRFVVEIVN
DKKGVSDLILINGNVYQSTQCSSFVTIPQGQKGGKNNNGYQSSRVEPSKCPETGAPFKIG
GPLWLGPLHDQTVVKVALERLANKECKAPNMELIATRERLQGLLTSVSEELDTPLYYTLP
GLCQALRCSCPPLREFKGAAILNAGYKVSQYHKEPSAIKTDAPGHVVDIMRAWVEKNPLK
KKPAEGSVAEKILAVERSLKEVDWSVPESLKR SAMVDGKKKKKISRFP LNPEKNWGP KRA
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>comp9188_c0_seq1; 724 1 2923 LEN=2984; translated
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NASPHAEPNQMKNIGVYSGIIRKRWIEAVNLTPRSKKCEPILRVGEKLIWIMTLFVVG
LEREAERLFELAGSAAAAASPRSQHSQYHSAQDYADA AKSASKVLYDFVKNRMDPSLLI
PPPQPAPPMGGRGPRGGPMRGRGGRGGRGGRGGRGVP GHPHQAPGLSSDKLLLQIGDVLH
RMRTFLADPLSPPAAMVRGDLIACLCDILDADTEMKLSDEENFSSTQGGNAGPIADLGAA
GSLKLIIVLNCPIMRSPCEQISADERDIDKEEMARRFGKKKEEYSSIDYHRMHAGNRFL
AVVHRLAASRSTSARITACSLGPVLSRLDFPHQLQLRQVITRALHDVEVIVRKSTATVL
HEIAELVYDSRCVPWLVLMCERAMTDPEPQLRSAAMTLTWHLAEHL PNAFLGDASKGSR
LRLPSREDPIFADVYLLQCKLLPVATRLAEDRAPHVRLAVAAQCERLCDALGDHWSSVI
IDVLVALLTDS DERVRGEAVLCV PRLADIVLLSSPPGVVPAGESSVLDALLPAAIKLQKD
PSSSVRVALATAAGEMLTLLVGLQRAGELPLKDPMGGMGGAISIRYEKRHVDDRLIPLV
QQLLHDADPEVTSSALRAVTNASRGSSKDARPRFDTKDDDTMSITSMQSQT TASSLDNKP
VFLPVLSEEQVLRLLPTLSELANSKQWRVRQSAVEIVPALLGCTDKFETRADIARMCIRL
TKDRVDTV RKTA AECLCLGGTGLGSHGEDASGEWITALVIPQIQACAKDKDYRQRLCLK
MVEVILINNVCPAKWKNEAANA HGNKNTPLRELLKLTLSLADDNIANVRLNVGRVLTGIN
VFGEDCRVIKYALLQOMKKEKAMEGRRDRD VNFYANKCLERLRTKPYGETDTSTEATSS
ESAPKVENENRQMI
>comp9188_c0_seq2; 579 190 1785 LEN=1846; translated
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PRLADIVLLSSPPGVVPAGESSVLDALLPAAIKLQKDPSSSVRVALATAAGEMLTLLVGL
QRAGELPLKDPMGGMGGAISIRYEKRHVDDRLIPLVQQLLHDADPEVTSSALRAVTNAS
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>comp9189_c0_seq1; 405 228 1829 LEN=2155; translated
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DNTWEQKIRPDMQSNLRSYHKRQNNALPVRVASLQYYNNSPFFKALSSLYVFG LNSQMR
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IEDRNGRFL EWSRKKEMWILMQDRQMVRLKIAAALKQYKRTRKDQI ENTIMNAVSIFEER
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>comp9189_c0_seq2; 372 228 1941 LEN=2363; translated
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>comp9189_c0_seq3; 372 228 1941 LEN=2267; translated
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>comp9189_c0_seq4; 405 228 1829 LEN=2251; translated
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DNTWEQKIRPDMQSNLRSYHKRQNNALPVRVASLQQYYNNSPFFKALSSLYVFGLSQMR
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IEDRNGRFLEWSRKKEMWILMQDRQMVRLKIAAALKQYKRTRKDQIENIMNAVSI FEER
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>comp9190_c0_seq1; 266 222 1319 LEN=1706; translated
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>comp9190_c0_seq2; 245 118 780 LEN=1023; translated
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>comp9191_c0_seq1; 282 258 950 LEN=1567; translated
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>comp9191_c0_seq2; 282 258 950 LEN=1297; translated
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>comp9193_c0_seq1; 564 156 2699 LEN=2759; translated
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SGDQLNLYPSTRSDVVNGVLELSIPVNVADYSHGERKDLERVVNNELQSKGYTIRDC KW
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VVGTM EQ

>comp9193_c0_seq2; 606 156 2581 LEN=2641; translated
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VMVMPETTNLGENVLGYAYVGGVKS SVFKGVPSFQTIMHEVGHNLGLSHSGIEDHPTPFY
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SPTDAPTTSPASPTVKPSVKPTVSPTASPTVSPTTSPDRPSTTATEYPSYLRGPTPPE
CAPSEATLISNDGGTMLHEGIPIRITFQNSTFVAFEVVNTFGATLTSMFITYNSGLFGQEE
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>comp9193_c0_seq3; 718 156 2468 LEN=2528; translated
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SGDQLNLYPSTRTSDVVNGVLELSIPVNVADYSHGERKDLERVVNNELQSKGYTIRDFGL
VMVMPETTNLGENVLGYAYVGGVKS SVFKGVPSFQTIMHEVGHNLGLSHSGIEDHPTPFY
REYGD TTCQMGYSLESNQYDYPQKCFNAVKS YDLGWYNQLKVGHENIDTESSWRGKLVGL
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DSEQPTNACQDLSPSSSFSPFTSPVASPTVNPTVSLTISPTPSPTLSPTSSPVANPTLSP
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SDRPSTTATEYPSYLRGPTPPECAPSEATLISNDGGTMLHEGIPIRITFQNSTFVAFEVV
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>comp9193_c0_seq4; 676 156 2586 LEN=2646; translated
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PQKCFNAVKS YDLGWYNQLKVGHENIDTESSWRGKLVGLHDYFQKQYNADGCEGDRVIAK
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KVTVIVCDISIDDANPGVLDYADIIIFRNDDNESVVKSCDSEQPTNACQDLSPSSSFSPF
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SDPTDAPTTSPASPTVKPSVKPTVSPTASPTVSPTTSPDRPSTTATEYPSYLRGPTPP
ECAPSEATLISNDGGTMLHEGIPIRITFQNSTFVAFEVVNTFGATLTSMFITYNSGLFGQ
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>comp9194_c0_seq1; 597 1 1630 LEN=1630; translated
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DNKNGEHKSIENGGGHYLPATLTTSMGERNSERKDEETDGDDVISVEVRKKTMDDGYTDR
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QVVX

>comp9195_c0_seq1; 626 199 2064 LEN=2107; translated
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IFEGYDRVGSRRNQDVIHLPGGLAAYAGYSYRRSLINPVHSTTLIFMEDQTQPPFGSWMLK
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VGSRRILMPTFVIEYTIIFGLEYYQAFVSGCDTSAPVGGVSHQIFEGNTIIDGLSPEFHRSS
RKLVLVQLSSGASHLLKTFSLPVLVTVFRPIFISILWFALIRLWTATPIVGVAGGLFAGFRK
VLQPWMDNRKASADWERQRQHEAEMADEHDAFSKAKMNDFYDATGRARKFFNKNRESIL
RSLSGDTTHEEGDFDWYSDWQAWAKQQWEQQEKAQQARSHENQQRYQQYYQQEQKQQRRA
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>comp9195_c0_seq2; 493 199 1710 LEN=2258; translated
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IFEGYDRVGSRRNQDVIHLPGGLAAYAGYSYRRSLINPVHSTTLIFMEDQTQPPFGSWMLK
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RKLVLVQLSSGASHLLKTFSLPVLVTVFRPIFISILWFALIRLWTATPIVGVAGGLFAGFRK
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>comp9196_c0_seq1; 401 305 1564 LEN=1700; translated
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FGGYTTAATLELGDPRITAAVMCSSMAMSGTMDYHTPSRKNKSTPVMVMIGTEDTVLGP
DCNDANRRYVDHHEGDGDAYLLELVRGGHVSFTSCELYDPEYNGINARGRSKSMTPKGET
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>comp9197_c0_seq1; 410 1 2421 LEN=2703; translated
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PIATYFWMVLNVGLYGYWHNKVEPSGVALDGNLLGDGETGSDFGRLSGNLAHFEIWHV
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SESEDQLLALLKYL CGAACLHGAGMVWAYRGI PDRFVLSSESVLSELLLVGLLVLFARV
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GGPSPLLGHGFDPGPPPAVLLWAARLGLWVASAGGVCFALERAGEFQTERERGTAGIWR
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>comp9198_c0_seq1; 393 51 1970 LEN=2296; translated
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DATWEGDLQANSYQRTTIDIFLEANPNLARVPNEEGKLPLELALACEYEPINDSTSPDD
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PAATRSCNPF TGKFPLELAI EKEIHFDEGVYGLLEASPAVMTDESGCMRLSRTGSEASPK
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>comp9198_c0_seq2; 283 633 2482 LEN=2808; translated
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I ILLAKAFYHKTIDDVHESNSSAGLNYPPQLLRISNEYGDRTIRFLLHACAGIDWFPFN
LLRLLVTAFPDPTLLDRDEDGNLPIHVAASGVFDSYKIDATWEGDLQANSQYQRTTIDIFL
EANPNLARVPNEEGKLPLELALACEYEPINDSTSPDDAIYSRPTTRPWVDGGIQSLLQAF
PAAAGIRSLANRKLPLEIAIENHREWEDGIRDLEAYPAATRSCNPFTGKFPLELAIEKE
IHFDEGVYGLLEASPAMVTDESGMRLSRTGSEASPKNTDSADSTTTTLPLFAQSAAEGC
SVSVIYKLLRTPQSCRISPRCGTKPKSEQLGARTTRRTATTVFCDVPSGKRQKTSPHDR
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>comp9199_c0_seq1; 351 593 1789 LEN=2270; minus strand; translated
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>comp9201_c0_seq1; 403 1 1915 LEN=2212; translated
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CLSCPIRLIDVQTTKEERVAFRSGFIQLLPYGDRAGRRIIMITDALLYSTYIRVKIFLY
IWTVASNDVATQONGAVLICWDGRKDMKLPSPSEQQLVVRKLFSAIPLRICGIHFCEPDSH
FYRMAIAIFSLTVGGAEHRNRLRFHIGEEIELKYQLGTFGVPVCQIPITETGNVKTGNFHF
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MSTQNGT NFNPTTSFVEY PGLNDVAFRKGMSLMHHPGNDYFHGLIQSKILEHDAASQSGK
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>comp9201_c0_seq2; 356 1 2037 LEN=2334; translated
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PAHKKTAFLKAQSFLYTSGYVNDLTFRLKFLRCKLFDVDAALLLVNYLELVQELYGDI
CLSCPIRLIDVQTTKEERVAFRSGFIQLLPYGDRAGRRIIMITDALLYSTYIRVRTSLR
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>comp9202_c0_seq1; 1280 1 2694 LEN=2745; translated
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GSVIGIVDVMDLIHACGGADHRSIFEVALQVDDYTVNESINTPKNKNKFTTIKISKDAP
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GHTHRLRSEAKVGLRQVLAKLKD RKNAMNITLKFIDEEGDAILISTDEDLAEAVMLAR

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>comp9203_c0_seq1; 426 1 921 LEN=1219; translated
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TLAGFSDLVNLPGFETVFAPTNAFAEVLNPNDDLKTIDPMFLIPITAYHVVVPGKYESSD
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>comp9203_c0_seq2; 210 1 561 LEN=561; translated
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PEAPPAP
>comp9205_c0_seq1; 414 74 1156 LEN=1473; translated
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LESLITQNEQRRKTNELKYSAAGAENGDSMGGSVSSNFNFGNPVGVVTPPATKGANRQVE
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>comp9206_c0_seq1; 872 216 2033 LEN=2086; translated
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>comp9207_c0_seq1; 851 330 2105 LEN=2192; translated
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FETIRKDDATVILDVAHNPSAMEYLVYKLTTPGTFPFRFVAGMSSDKDLGQCARALLSA
TDGSSHNIHLVQAAHPRAASLENI LAEPRLESAAHYDFDRSITKQVLKALELTKENKN
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>comp9208_c0_seq2; 207 1 1333 LEN=1416; translated
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>comp9208_c0_seq3; 532 138 2033 LEN=2116; translated
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FLTNNKVLQLQFSSMYNKKLPDSFRSNRVNGQKGLDLSLSPDTPYYFQVSSVVYAESVNYL
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>comp9215_c0_seq1; 318 81 707 LEN=815; translated
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>comp9217_c0_seq1; 54 1 821 LEN=821; translated
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GQGIKLARDQDSRSYEMAWRSEVRESLRDELNQNRFNMIMLCDTVCLGCVFTIAVETP
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>comp9217_c0_seq2; 474 1 2552 LEN=2581; translated
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GQGIKLARDQDSRSYEMAWRSEVRESLRDELNQNRFNMIMLCDTVCLGCVFTIAVETP
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GIAGKIMYTNYDGSWTFEVSFRNDLIGNVRRRCRVKAYKTYGNDEVSRTESSQYWEITKDE
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EIIIFSRDQTSEKKDRISLKDVTVEIQNPGVKRENVFQIHTNVENKKRYQLATKSKAERDE
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>comp9218_c0_seq1; 1081 1 2476 LEN=2816; translated
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VLGDTTFEQTVLEGAATYEQTYVEDKAKRAEKINDDDNETRDRWYVPDGTTIIGGTYTNANN
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DPGLLPSCGFFSSMADLTAKTETGSKIESENKIAEVFEYIGGIFSPNVKNDFSVSSSTKN
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>comp9218_c0_seq2; 1024 1 2374 LEN=2714; translated
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VLGDTTFEQTVLEGAATYEQTYVEDKAKRAEKINDDDNETRDRWYVPDGTTIIGGTYTNANN
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SDESSNSGSYTDYTRNGGTSLSFSESTYSTVASGDISSERNTSSTKNNKKNKPDRLLPFQ
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PPLPPTSTTALDPSSEQVSLNTSSKNQKIKKPLASATNNNNWDMMTPTTKFLVSAAKATS
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GSTVDSASPSKLDTHQTPHPKKEEFEIVMGEVAAMGGSSETRKETS SKNCNTVKKTKMPE
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>comp9221_c0_seq1; 1162 160 4779 LEN=4864; translated

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IQPRFEFYATEDIPSGTVLMEIPESAIVGNILNPSKTVSRLLLEPKKGTKNHIPTCMLVES
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KHKHSSICGTYKRYSPVPR TIP ISSHDKVKDNRENLENAAYSIVAKNAWGVDL IPLFDMI
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FAVFCGKEDAEECSSYNSIANKDGMNFYPVSSCGSFQDMPACQSATEKRLVDIVSENKLL
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IVSPIMKADIDLTYTEERSEEWSIVWARHNNFHSLETSLATIEEKLGLTTTTTKRVLPGAK
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>comp9222_c0_seq1; 325 133 1207 LEN=1207; translated
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AAVAKGLPGGNRHRGAATQRKATQGNATQHNRHRNTRGMVQGRAEQQLRAALQDRCHG
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>comp9222_c0_seq2; 150 55 504 LEN=888; translated
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>comp9223_c0_seq1; 75 1 540 LEN=698; translated
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>comp9224_c0_seq1; 171 260 616 LEN=923; translated
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>comp9226_c0_seq1; 1327 51 3464 LEN=3704; translated
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IAGDEKARS AFAGGALAAVSKLDARAVEEAVGPSKRNDVVI VVGSGGREHALAVALARSP
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KETV LIGATDGVGTKLR I AQSTKKHASV GIDL VAMCVNDLIVAGGEPLFFLDYFATGHLD

VHEASDVVKGIAEGCRQAGCGLIGGETAEMPSMYAPGDYDLAGFSVGAVARDRILPQNI
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>comp9227_c0_seq1; 958 286 2952 LEN=2952; translated
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>comp9228_c0_seq1; 210 1 979 LEN=1236; translated
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>comp9230_c0_seq1; 367 1 1640 LEN=2704; translated
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CVIRDVDPDVTYQGTVADCWLLGAISSLAEFDGAIKYLFKTKLLHKRPLPGPNMYTITL
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>comp9230_c0_seq2; 476 1 2349 LEN=2525; translated
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PEVGGGSGSNGLYFVLLANHTDCDSI PHTCPILITGNLSHGVCIGSGEITEDDLFERI
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EG
>comp9230_c0_seq3; 527 1 2228 LEN=2404; translated
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KDGIIHFLTSP IQYLAMMFQSNIMKFDPSRQKYTLHRSPTYQYRPQDTPDPGPEPKGA

YTLLEWTVYVQLPPFPNDVLPKFRDKYTDDMTYQGGQLHSDDSLPIMPGRGMGIGDAPNL
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CCTHAWSIILTGCRECYEITRNPKNKGFCLTKFNPSTRKWEKHYNPKEDPGHNLWKS
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>comp9230_c0_seq4; 435 1 2407 LEN=2583; translated
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FIHNIITKYLDSDASESIVYLDHIVKDQTNRDKQFLFRFFDISLLTSLFQPNLYSKVA
VVPXWSIILTGCRECYEITRNPKNKGFCLTKFNPSTRKWEKHYNPKEDPGHNLWKS
PEVGGGGSGEITEDDLFERICKWDATNYIMSAATTGAGGRSSIGQDSGLVADHAYSVVA
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>comp9232_c0_seq1; 544 158 1117 LEN=1290; translated
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NVCEKGDRKQLITIVSPPSIKRQFPAPASDANRITNYFKRNNEGENSRKEEGEAKSDEAD
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>comp9232_c0_seq2; 544 158 1117 LEN=1279; translated
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>comp9234_c0_seq1; 470 566 1882 LEN=2275; translated
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GETYASAMGDIYTFGPTFRAENSQTTRHLAEFHMVEPEMAFADLDSAMENAEDMLKYVVK
HVLDSCEEDLAFFGKFDKGLIKRLEKLVSQPFVRSYRDAIKYLQEEIADKPSKWQFPD
VEFGTDLSTEHERWLAETKFDASAVFVYNYPKEIKAFYMRDNEEDDGETVNAMDLLVPGVG
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>comp9235_c0_seq1; 719 311 2938 LEN=3090; translated
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YHLGTMRALIDSNLYHKIKVISGTSGGSIAAACAMFTPEEISRDI CLSTVSTDFRLTGE
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ASRAQSDAAQRLLLNHISTPHVTLASAVAASCALPGVMKPAKLTKNMKGKVEDFEVDGV
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RSRALKLSGLGLFPKVFVGHDIKVFVKQYHGNTLVPRFTTMQTFGLHVLMPGVKHMEN
YLHYGQLAAWPYLRVIRYMLRLEISLDEGLERLKS RVQKIGPDYDDTDDLDSIASGSTVN
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>comp9236_c0_seq1; 1333 1 3841 LEN=3932; translated

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AVEEFDGPGTRFYTNADPERGPTLTIPPMDQDDNNGGEGAGAGTGAGDNCLLDYVCGTAE
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HIVNGDASSNLGCGESLKMGTMSNTTTF CGPGDVYYQIGNGVSPGVNTVPKILDADIEA
CDGVIHTMEEVLIPIGYVWVWLQPAAVYMSGNIRRKNSNIANXRKILFAYFLLLHAQFATL
LFHSDTSGNLTVCVTEGNQTLIEMICESEDHKTFCESLQSTGLDNVLAEGRFTVFAPTDTS
FSSETLAPEILTFILLQHVISGSAISSDLSCDQEVMMATGEPGKITCGEESVFLIGGDG
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KETASVVAFLGDSPTYSSFLDFLKLSDYASLIFTNSNPITVLAPNNAIEALTAESP
VAQLATPEWIVHLEDILGYHAIDGALPSTDITDGLVQ TALNEEELTFSLDGADVINSGE
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GPYTI FAPSNEAVQELLQMGIDPSLIDIESVLSYHIVPGLYPASTVTDGLALATMHGEDV
ILNVMGSTATVMGERIVDTDILANNGI IHVIDGILLPSDMELPI PDGLPPPDMSGAQTQ
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>comp9236_c0_seq2; 644 1 1567 LEN=1567; translated

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VMDNTDFLTSIPTASPTIANVITNPTVSPETPQSQPTVLDGADTTIYRDGVLSESAAGN
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GGTPGQTFSTCLLAPPTEDI EQLTGANADYRIPESCLNGAVEDFQVTADSKEVCVNVADM
LRTPPALPEIGDENPPALRGRALQETTLPPDALPEELADAPVARNPEGAGQDVSFLFIID
AVEEFDGPGTRFYTNADPERGPTLTIPPMDQDDNNGGEGAGAGTGAGDNCLRLTLVFDG
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>comp9236_c0_seq3; 1400 1 3694 LEN=3785; translated

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LRTPPALPEIGDENPPALRGRALQETTLPPDALPEELADAPVARNPEGAGQDVSFLFIID
AVEEFDGPGTRFYTNADPERGPTLTIPPMDQDDNNGGEGAGAGTGAGDNCLLDYVCGTAE
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IAGEFAPCGICEPGLQISELVAEVEVPDSVGLVGISGSMSCAAEDLCLGGFCSPETCAE
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DGADVINSGEAKVIDADALPENGVIHTLDSVLLPSWVGQNLDDVAQGI DD LATLMTFAG
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LALATMHGEDVILNVMGSTATVMGERIVDTDILANNGI IHVIDGILLPSDMELPI PDGLP
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>comp9237_c0_seq1; 460 9 761 LEN=943; translated

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DQISDSAKWQIFAFVGFLEFWNEVTGTHYMRGGKPGDFPDFDAAVIPGGALNLYDPLGWS

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>comp9238_c0_seq1; 337 84 1154 LEN=1441; translated
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SMEKAYLFDVVSCLYISTDPGPVDMQSVELCSDMIDVVLVDSGIYGLGPSHYEMGNTSEE
TTSSSIENKQSSDQTQQKQIQNGDELVGTLLIKQAPAEDSEVDMVDPDSAYDCKSASVIRLS
NGMVLVYLKEVDTMLALVCITRAENFRKKSLINYNIGCLKKALRALVQPASTSKNSH

>comp9238_c0_seq2; 202 179 553 LEN=753; translated
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APHE

>comp9238_c0_seq3; 470 179 1558 LEN=1845; translated
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HIRYHLTSIYDHSIYEALSRVVQRLIPQLPTLENLLNVLVSTCSMEKAYLFDVVSCLYIS
TDPGPVDMQSVELCSDMIDVVLVDSGIYGLGPSHYEMGNTSEETTSSSIENKQSSDQTQQK
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>comp9238_c0_seq4; 312 84 1079 LEN=1580; translated
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TQVTDELTDAGVSPDNIHIRYHLTSIYDHSIYEALSRVVQRLIPQLPTLENLLNVLVSTC
SMEKAYLFDVVSCLYISTDPGPVDMQSVELCSDMIDVVLVDSGIYGLGPSHYEMGNTSEE
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>comp9238_c0_seq5; 373 179 1483 LEN=1984; translated
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HIRYHLTSIYDHSIYEALSRVVQRLIPQLPTLENLLNVLVSTCSMEKAYLFDVVSCLYIS
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GSFLRTWHIVPKIL

>comp9239_c0_seq1; 929 83 1918 LEN=2052; translated
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CNNGSCNYYNMEYVIDLNTYVAALVNYLPTQMENYCEGCKENQDSCYNQNYGGNQYDGO
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WLTEMSQCVDLEASYNPYGYQNGNNGGGADDNNIFAGLVCNGDGTGVEIGLFMDEDCHLY
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NNGGEDRGEVSEWCEQLFEGDNENEAVPIEMATCGAYAQQYGGNGYDGGQNWQEKYDSYM
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>comp9240_c0_seq1; 705 190 2799 LEN=2841; translated
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EDEEDIDIDHSYFGMVVEALETCEI PSISRPLHFVATFSRSTPLGLILSEKDTED EDEDE
DDEF LPMWNEATKDAFPGEVFKGIVPDSQADELGI FEGDRLSGIGELPFVDDGGFERAV

GMLQDQPRATKNVRLHFDRKSVRINEAISMKPTDEVEIEVVDRGAWSSKGRRTTQEDTFV
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VVCERYKQKCTEEGECIADYDPVEGILKAETGSEYLEAGTTCSMLALDETSSELTLNCG
DSRSLVVSQKGVKVFATLDHTPQSEEARLAQGIRDGLNYSMPKCRLSRWVSLRVGDYEVAV
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>comp9241_c0_seq1; 506 1 1628 LEN=1914; translated
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VEKVEDVGVDDRVVVKVLEVEPRENGRFRVGLSMKDVSDGTGRDLGREEREAREHAKTQ
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PDRPDPGTDRNYRRAPMGRGRGATLPAWMTAAEGPVGIANDRKPEASGGGDARDARYDR
SDEKENENDDRRRRSSSRDERRRKKKRRRRTHSDRDGTDSDGSRRDDGDHSEDEKNH
RKRHKSSSSSHRRNRREHRKHASKKREKKEENEAAAGAAIPKKGRGAAEDPKAGATKATNP
VAGAVLLAAVAVVDRWVRVRRPNEHQRTQHRKRAIGIAGGNATVREVSRRMQSKRNE
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A

>comp9242_c0_seq1; 472 92 1906 LEN=2397; translated
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RSAMQAGDEKCRYRLVSPPYLNLDEEYPGENLVAKLFSKEAMRIFTEDALSVPQWTPWPE
TTHYRASSFGNEKPWTFVPLCHCFPANKPENFTWVPATKAFVPRTCQLLEEVLSGNGKS
YLRTALFSQLAPCSVLHEHTGWADLANHVLRHLIPLVVPKIDANGGNDLDCGTWVDGCV
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>comp9242_c0_seq2; 351 1 1292 LEN=1783; translated
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WTPWPE TTHYRASSFGNEKPWTFVPLCHCFPANKPENFTWVPATKAFVPRTCQLLEEVLS
CGNGKSYLRTALFSQLAPCSVLHEHTGWADLANHVLRHLIPLVVPKIDANGGNDLDCGT
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>comp9243_c0_seq1; 581 160 1872 LEN=2278; translated
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VTAVAAGGLHSAACLARNGEVYTWGTNDEMALGRGNLDDADLLSIKPMVGIKDAIQISAGD
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DAGHSWNAALDENGDLTYWGMHSGELARSKSMGATTTEASYIDSDGKDKGKYEKYDVSK
NFIGEVRQRPELSDGQPKRDEDTGKIIMADYWQYHLDKIRDKFLTPAPVEWIGGLKCKV
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AAGCYHNLALSRDGVNLFAGWKLDEGATGLYNQEKTESYTSGDFEGTPKQVAFPDTLGNS
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>comp9243_c0_seq3; 489 160 1692 LEN=1692; translated
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NFIGEVRQRPELSDGQPKRDEDTGKIIMADYWQYHLDKIRDKFLTPAPVEWIGGLKCKV
EHFSCGMIHLLVVARDPGSLETRVFGSGNSGFGQLGHGDTKELHQLTPIKALDNKICKV
AAGCYHNLALSRDGVNLFAGWKLDEGATGLYNQEKTESYTSGDFEGTPKQVAFPDTLGNS
VIVDIAAGTYRTIQVSYLVLLRFWGRLLWAYH

>comp9244_c0_seq1; 389 256 1368 LEN=1974; translated

MIFVENVMKRTFTALVFLPKSHGLSSSLATCGRLGFTSVPSGRKYGCVSEKGGIRSSLF
STFSAPEPPKSKGVNVFEDVDFSVQGNPSSQSSIRNSDPDAVFLVNGASRGIGLQFVSKL
LSDTKGRVIAGCRSPDDAPKLQDLLSTLDKKSRRNRVEVIKLDVENQDSIELSAAEIKVQY
GRVDLLLNVAGILGDGKNTPGPERSVAKIEREWMEKTFQVNVIGPVMLAKELAPLMTQAR
RTGRRKADSSDETLSEKQRAVGVVANLSARVGSISDNGLGGWYSYRMSKSALNQATRTLA
NELKRKSVWCIALHPGTTDTLSDKPFQKNVQKDRLPVEFTVDSLMMNVIDSMEEHNSGGL
YDWAGKAIPIF

>comp9245_c0_seq1; 1504 251 4109 LEN=4693; translated
MDHFLLLETEPDHSAATHATASTADRIDRTLASLRIGPGIEEPGGNDAGDADSSSEFYTY
QASDVVRLMHRAPRGVGHNTNRMASLLESVKGKNTNANANGTPSFSLANNDYTNGLRLFAG
FFVLAPFVIWAIVLI AFKCKHCYDVFGRNNADNNPTNNANKTKGQSSATPPTTKSSESQ
TAITTSNKSESETRSEIDANFTTPWIAGGSVIDMIKLSKAGVQRKHKRRLVQLQSWRIQSL
FLSASILIPII SVVMMEFGWKPLEEAVRELQDLNGDVETLAYRGWDAMQRLESSEKQELFS
ENELVRSVVEYSDSKAKGYEPDRKPLTDMNRDGGDTYGSNNDKNNRSLQNKPFQAKQKQ
KQKETQTVPPPTQLPEIPSDISPWSDMVTSSPTELQIEIYNLEDAPVGGDAWKDKSEYLLK
TMEKGKALPPTTPQNNGVVDNS SREEEEEINNESVLLLLDDFFLSEPASSTLSTQSLPSS
SALPVVDTQPQLKGGGLIEEWCPDAPRYIGEEEMAFWASSIDSLSQNTETIDRIFNSLETS
FPYTEENKETPSSSRSDNGDNPEKQTHGSSAFRWVIEATNAVNEAIEWFFANDWLLKLLV
VVLNVVNGLLL ANVYFVSKNNI IHAPTRCYVAYFLVPLFAVA AVLVLVAVATSVAVLVS
ADFCSGGTSGSGSPQGTMEDFVSTLQHRLNQNI EGGPNDPLDLLYDSVDYFWTGCLSEN
LQFLDDFSDNDVDA AAKLNQITMLLPDTGVATVTASSALQPELIAEGNQTDANSGSYIN
PFASATLERLNKACDRDMSFLPPAISDLDDHVDGIKTN I HKLSDIMSCGQVSPLLLTVSQ
GAMCVELPHGLTVLWGC SFGIVALCFALLTVRAALYNSVKYKRRPTKPRRVVEKEFEKEY
KEYMRQYYGEQTTEKWNIDGESLPPTKLEFDFDIEMESTFDSSSPI SGTLSNSNLEGSSE
IGGFHEQNNADDGSSYGSYDSEISDDENSIDSQEQGSAIGSLLSDTRS IAMQTMHSL
RNVTSLLSSTVKKNTSRLRDYSIRSPQHQS SVGSNCYDGF GASPAAKGMGADSNVAPVV
VPEDDSITEDSLYLPTPVSDCIDPEMTSPCHNRRDQTHE'TTNLLRFDDSYSDEEGTNEE
EEELQIRSAIRLASDR LKQALTPSNLISTLSPSAPRKSFPFMARTLYNNLEGGRSKT'TNR
NSTDDEEFTALVQPMQLANLTPFETNENIKAREVRYRADRGAKKIPPSRRQWGHDDGSSG
GGMSSAFEARKSTEGTNACHRSFA

>comp9245_c0_seq2; 1423 251 4241 LEN=4825; translated
MDHFLLLETEPDHSAATHATASTADRIDRTLASLRIGPGIEEPGGNDAGDADSSSEFYTY
QASDVVRLMHRAPRGVGHNTNRMASLLESVKGKNTNANANGTPSFSLANNDYTNGLRLFAG
FFVLAPFVIWAIVLI AFKCKHCYDVFGRNNADNNPTNNANKTKGQSSATPPTTKSSESQ
TAITTSNKSESETRSEIDANFTTPWIAGGSVIDMIKLSKAGVQRKHKRRLVQLQSWRIQSL
FLSASILIPII SVVMMEFGWKPLEEAVRELQDLNGDVETLAYRGWDAMQRLESSEKQELFS
ENELVRSVVEYSDSKAKGYEPDRKPLTDMNRDGGDTYGSNNDKNNRSLQNKPFQAKQKQ
KQKETQTVPPPTQLPEIPSDISPWSDMVTSSPTELQIEIYNLEDAPVGGDAWKDKSEYLLK
TMEKGKALPPTTPQNNGVVDNS SREEEEEINNESVLLLLDDFFLSEPASSTLSTQSLPSS
SALPVVDTQPQLKGGGLIEEWCPDAPRYIGEEEMAFWASSIDSLSQNTETIDRIFNSLETS
FPYTEENKETPSSSRSDNGDNPEKQTHGSSAFRWVIEATNAVNEAIEWFFANDWLLKLLV
VVLNVVNGLLL ANVYFVSKNNI IHAPTRCYVAYFLVPLFAVA AVLVLVAVATSVAVLVS
ADFCSGGTSGSGSPQGTMEDFVSTLQHRLNQNI EGGPNDPLDLLYDSVDYXLDGTWDAAS
CAGVHQSVLFGSPFLITLVWKSILNGPVLLFARIEFKGCLSENPLQFLDDFSDNDVDA A
KLNQITMLLPDTGVATVTASSALQPELIAEGNQTDANSGSYINPFASATLERLNKACDR
DMSFLPPAISDLDDHVDGIKTN I HKLSDIMSCGQVSPLLLTVSQGAMCVELPHGLTVLW
CSFGIVALCFALLTVRAALYNSVKYKRRPTKPRRVVEKEFEKEYKEYMRQYYGEQTTEK
WNIDGESLPPTKLEFDFDIEMESTFDSSSPI SGTLSNSNLEGSSEIGGFHEQNNADDGSS
YGSYDSEISDDENSIDSQEQGSAIGSLLSDTRS IAMQTMHSLRNVTSLLSSTVKKNTS
RLRDYSIRSPQHQS SVGSNCYDGF GASPAAKGMGADSNVAPVVVPEDDSITEDSLYLPT
PVSDCIDPEMTSPCHNRRDQTHE'TTNLLRFDDSYSDEEGTNEEEEEELQIRSAIRLASDR
LKQALTPSNLISTLSPSAPRKSFPFMARTLYNNLEGGRSKT'TNRNSTDDEEFTALVQPMQ
LANLTPFETNENIKAREVRYRADRGAKKIPPSRRQWGHDDGSSGGGMSSAFEARKSTEGT
NACHRSFA

>comp9246_c0_seq1; 575 1 1327 LEN=2039; translated
XESNRRTAIKNQARNMPPKAKKKEENEDLGLMKAARFGRVKNTLSMGFVGLPNVGKSTLT
NLLVGAMHAEAAANYPFCTIDPNVVQCVVPSKDFKYLAECYKPPSVVPAVLKVTDIAGLIK
GASEGAGLGN AFLSHIAAVDGI FHLVRAFDSDEVIHVDDSDVP I RDLETIQGELCAKDKS
TLVGVLEREQEKVRKEKGLSKQSTNFKLSETFTSAYEKALALVEANTPIQTGEFKDSEVE
HIRDWGCITTKPQIYVVNLSQKNYIRKGNKWLQKIADWVKEHGGGQILPVSCEFEQNLFD

LKDYPDEQKAFLAECKETALKAGLKGNAEVRTMIPRLIRAGRQALCLQSFFTAGPKEVR
AWTIMKGT'TAPQAAGVIHSDFERGF IKAEVCAFADFKTFHKGESSMAKIKEAGKYRQEGK
NYVMQDGDIVVFMHNTTTGKKK

>comp9246_c0_seq2; 478 1 1340 LEN=1340; translated
XESNR'TTAIKNQARNMPPKAKKKEENEDLGLMKAARFGRVKN'TLSMGFVGLPNVVGKSTLT
NLLVGMHAEAAANYPFCTIDPNVVQCVVPSKDFKYLAECYKPPSVVPAVLKVT'DIAGLIK
GASEGAGLGN'AF'LSHIAAVDGI'FHLVRAFDSDEVIHVDDSDP'IRDLETIQGELCAKDKS
TLVGVLEREQEKVRKEKGLSKQSTNFKLSETFTSAYEKALALVEANTPIQTGEFKDSEVE
HIRDWGCITTKPQIYVVNLSQKNYIRKGNKWLQKIADWVKEHGGGQILPVSCEFEQNLFD
LKDYPDEQKAFLAECKETALKAGLKGNAEVRTMIPRLIRAGRQALCLQSFFTAGPKEVR
AWTIMKGT'TAPQAAGVIHSDFERGF IKAEVCAFADFKTFHKGESSMAKIKEAGKYRQEGK
NYVMQDGDIVGTYNLLIRFV'RDSY'YLRX

>comp9248_c0_seq2; -4 1 207 LEN=207; translated
XPARSTQHA'AHII'FKISTNAKVPQV'TTVRSPIIDHAD'FCKDPD'WQDHPGRGTVR'HHRQR
QNQDPGQGRX

>comp9249_c0_seq1; 504 1225 4535 LEN=5870; minus strand; translated
MNNKEDNEIETIEV'VSSSAQSDNRLE'TAAATVGFDDSFASKEKDI'AKSETGTTT'VNSTSE
IKRARFDEGRNELFESEDTKCKGEDEDDDTNEAYDEQDDNGDNFTEIPAPCASAFMDWYI
NSKPPHLDDPLPDCNDPDDI'ESSGGMIQQSVYNSGGAAPESVAAIRTFVGP'FNDSLAVKF
RRRRDRHSEMWRGHVKS'YGSTSYKKL'DSPVCKXMR'EK'KRKTEVVDYAHGHSSV'TMLRGS
RCSNXVLLNFSFALYALR'PALQLPACESQ'QEVRYWTR'LILILLGLIISAVIFI'IKKLSDF
LLET'KLKLVTD'PVLFGNTTAHDESLLT'TVANAGK'KPLPVMGYFGWKAFASFLGFN'LFFVT
IAFMPV'TYRPLSGGSGIAEAKATLNGTYSVKQ'GDSNHFCWELFHGSISNNVLC'QLGPTNP
AGIILPTCTDLLTALCKAVS'VICAGAASLP'IGLEGPLIFIGLAIGHNAERFV'PESYPVLK
LDNWKRF'AAVGCACGVAGAF'LTPIGGVLFAMEEGASFWSP'LLAWRSFAAACVTTIALYL
YIWVWDICEDEYDGVHYDS'FFDIHTLAIYSGL'EGQRQLPPNGVATTSQ'EVVGNQLYFRSV
PAFRVWDF'FFFFAIIGIVGGIVGALWIEGNYNIAQ'WRRKLGWGRKGFLEIMGLTILASCV
FWFLPLLYTKCNAASQTDV'EDRAILRQLNCPDGY'YNQLG'TLLN'GPGPVGLNLLYWEPAH
NWDPVVLILAGFSYHV'VLLLLFGSSISMGVFI'PFLYIGACYGRAFAIWGLADV'GIDNVER
DPIVSTYTMVCSVAMLAGV'ARVLISITVIMVCSVGT'TYMITPFMVASLFAKVV'GKAFLGR
PGVYDVILEMKVSPLHAHQ'HLGHEKEKLQTPNTLCSR'FSPFCPSLCTPFSLGHSVSGSRV
SQQHDHAGPVAQDIMSRA'PLITLPEQPVGQLLEYLEKYPYVVDY'PVVDPNSNGVFLGI
IQRCDLLALLTKRRLFYDKSK'GSTGHRAVTFETLVREKVKRVPVLD'DDVKAIVTPGDRAR
KFLNVTPYLAIGHYTVNR'FVTVHRAFELFRSLGLRILV'VTD'AFGRPMGVITRFDLKLLEE
VGIDEAYYKSRHDSMEGSYSYLD

>comp9249_c0_seq2; 230 290 763 LEN=962; translated
MAAAATKR'PDDYAGVYHLEEIIDETGTPLPLPQGR'GPFELT'LSP'IKR'GPPNP'NLLHLSVK
VSNAMGATVEFLGCGGDAESCRSIRVGPV'MSTRMMPRDKERQALERYLGTYLEQMATIDL
TGGGDGENENGLLVLASPEAAGKARIVCKVADESKAR

>comp9249_c0_seq3; 553 1225 4710 LEN=6045; minus strand; translated
MNNKEDNEIETIEV'VSSSAQSDNRLE'TAAATVGFDDSFASKEKDI'AKSETGTTT'VNSTSE
IKRARFDEGRNELFESEDTKCKGEDEDDDTNEAYDEQDDNGDNFTEIPAPCASAFMDWYI
NSKPPHLDDPLPDCNDPDDI'ESSGGMIQQSVYNSGGAAPESVAAIRTFVGP'FNDSLAVKF
RRRRDRHSEMWRGHVKS'YGSTSYKKL'DSPVCKXMR'EK'KRKTEVVDYAHGHSSV'TMLRGS
RCSNVCCSIFHLLSMPSDQHYSYQLANRYKEERQ'QHEEHLEEMRRRSTIVLPAPPQKRI
FAGLARWL'VACPSARSKTKNNP'IGTYQ'QEVRYWTR'LILILLGLIISAVIFI'IKKLSDFLL
ET'KLKLVTD'PVLFGNTTAHDESLLT'TVANAGK'KPLPVMGYFGWKAFASFLGFN'LFFVTIA
FMPV'TYRPLSGGSGIAEAKATLNGTYSVKQ'GDSNHFCWELFHGSISNNVLC'QLGPTNPAG
IILPTCTDLLTALCKAVS'VICAGAASLP'IGLEGPLIFIGLAIGHNAERFV'PESYPVLKLD
NWKRF'AAVGCACGVAGAF'LTPIGGVLFAMEEGASFWSP'LLAWRSFAAACVTTIALYLYI
WVWDICEDEYDGVHYDS'FFDIHTLAIYSGL'EGQRQLPPNGVATTSQ'EVVGNQLYFRSVPA
FRVWDF'FFFFAIIGIVGGIVGALWIEGNYNIAQ'WRRKLGWGRKGFLEIMGLTILASCVFW
FLPLLYTKCNAASQTDV'EDRAILRQLNCPDGY'YNQLG'TLLN'GPGPVGLNLLYWEPAHNW
DPVVLILAGFSYHV'VLLLLFGSSISMGVFI'PFLYIGACYGRAFAIWGLADV'GIDNVERDP
IVSTYTMVCSVAMLAGV'ARVLISITVIMVCSVGT'TYMITPFMVASLFAKVV'GKAFLGRPG
VYDVILEMKVSPLHAHQ'HLGHEKEKLQTPNTLCSR'FSPFCPSLCTPFSLGHSVSGSRVSO
QHDHAGPVAQDIMSRA'PLITLPEQPVGQLLEYLEKYPYVVDY'PVVDPNSNGVFLGI
IQRCDLLALLTKRRLFYDKSK'GSTGHRAVTFETLVREKVKRVPVLD'DDVKAIVTPGDRAR
KFLNVTPYLAIGHYTVNR'FVTVHRAFELFRSLGLRILV'VTD'AFGRPMGVITRFDLKLLEE
VGVGIDEAYYKSRHDSMEGSYSYLD

>comp9250_c0_seq1; 419 157 888 LEN=986; translated
MKIHSQAAFVGNLGDROHGTRQRQRLPPFSSRTMGAQTDLFLSPAGDYSISSTPTTVP
ANFDTSSDFEPIVFEPIILNVPALVTFVVSIMAVFSALILRTNQVEDAVQERKRRQEEV
KAREVGEGETVAPEQIEQTLRLYEDAVRKEERLRNILPGVRIVPPSSSDRREEEAQAIAK
YLGEDFNIGVPKRYNEKIEDTEGGGGLPGAAIGVLAVVALSQVGLLAFNFGADPMSGNG
ALM

>comp9251_c0_seq1; 341 1 890 LEN=1117; translated
XFVEANNRNTLLKNKKLPGNIEAHRKESYKQRRKQKEKMPAKNEFGNKTKKKKGRAPH
QNKFAFKHNPCSKKTEKILNMANIHVCQRCSDKIEWRKKYRKYKPRTPQPGTCNECRKRN
RAAYHTICERCTTESAKAKEIKEATGIESTEDENTLTKTKQQRQQSCRVCAICVKEMAL
PDPEEEEDNRDYVDAMSRLKLRERRALERKLAKEEQEAEDAKRRKDEESANDHEDDDQSQ
GSPLSPLVEEDATDGVDSIPDYGDDEDDPFLQAIIGGAGNLLTGKAYQQKMLQQQKQ

>comp9252_c0_seq1; 761 337 1569 LEN=1765; translated
MPIRGGTVINIAGTTPVDDPEYRYKMPAVYKIEGSGNGIKTAIPNITAVANSLHRAPGE
VNKFFGCELGAQTTYNETDRAIVNGAHTDDVLQKLIHRYIEGFVICPTCGLPETKYSIK
SGLIWHRCAACGSKELVDMGHKLTNYILAQDKKAKKEKGNKKEDLKKGRDSDSEGGKKK
DKKDKKEKKSKEKSKKDKKGS PAEDAGDEEKDYKLEAMFGKKEEDQFGSNSDDDEVAS
EAGVDDEGALELAVEGTRRYLLDNPDA SAHDIAEVVTNQMASALKAHDKIKIFVRAAIT
PQFYKNKEIEKYAPVVSEIANGSQI IERHLIASLEFISKDKPTNFPVMIKQFYDEDALEE
ETIIEWAEDGRSEYTL EAVDEDTRAALRSEAEPPVVWLQEADSDSDSDEE

>comp9253_c0_seq1; 333 1 1079 LEN=1126; translated
XSQQQKDCVRAVKSQYLDFAPTAFGVNGMFRLELARS DHAILCVIDL MHPISVDLFVR
DAISHQTNLNRPAHKLNRNGISSEDLQEILSDELIPHQETELWLDLRRTAIHPKSAIEQL
ETQIGVTSFVDRILLS ENVFQNLVDVNDMYLTT SQILYQSSQNN DIFLSSSQGLSTPFGS
LSLAPSDASMPVEDPIQAIELISTGKWMILGKEEENTDDQVESLRIDTVGNFLDIALSS
QAGLWDYSQQTNGLLLPKSDISVGS EDNDQOIEIHSTTGGVIVCDTKSALMNLASIIQL
KKSGETSNSVTESGIILQSS EDTSTAVGTSIVLPFSVDLWQVATLVFGKELYGESDDNFQ

>comp9254_c0_seq1; 634 1 1489 LEN=1752; translated
XLNWNRTVQSWPQEGELKRYLLSCKDDKTMIRVRSNVGVWRVEGLDPEKSTGEDVLA EI
AKTRPHVVYEKPLSSDPACKQAIDTGATLKSQNLKHGAMIHCRVDSSSCATGDASVPVVG
ENESASGVAQDSRNMKRIIDKDGQIKLVP SNEVRSSSDDKGFRRGMMPLRDIKMAWTLNE
FVAMDSQFVFKMKRQEQAIC SQVSLDSPSIQNFQSYLQRFQFARKRFAFLYGYEESDDS
GTKKTIVEAIYEPPEPDLDAAE GFQELEDPLEDKVEEIAKLLGLKKGWIFGHPPREDG
IVLTTAEVIMAAELQLEAAEGVEETPFVTIKVGKGDGNVGV EAFQVSQQCMAMVAEEAL
EIGTNHGVCEVNETFTA IQEGKESKTIDNNFFLTVVPIVQHTSDV FVSQFPRINRDLDDR
APSKDEMQRQLSKSGTSGWTFVDLLSDFNLLVYMTQYLDITADFPKICQSVTDRDVPLDD
GYKIIIASMAGLDGAY

>comp9255_c0_seq1; 372 112 546 LEN=875; translated
MTRYATPLFIAAFASVAVVEGFTNVNSKIEVRQHTTELYFGIPTFGKKDEEEEPEDPKLE
KKKIGMEGLFQLITAGAGAPFLGDFQGVDKETGNFMFSLEANNLVEDEGKSKQTSMPYFE
SGWVDPKDL EKEEKKKKEGGFRFW

>comp9256_c0_seq1; 693 97 2064 LEN=2436; translated
MSNEETNALGYPKLACSTPVPSPDIEVSQQIVKEVGLLPIRDVGRQVGLTDDEVIPWGI AK
AKVSLAARENKRDVDPDGNVYVVTGINPTPLGEGKSTTTIGLAQALGAILGKKT IACIRQP
SQGPTFGIKGGAAGGGYAQVVPMEEFNLHLTGDIHAITAANNLLAAAIDTRMFHEASQSD
EALFRRLCPAGKGF SKVQKKRLDKLEIPYEGRSPEDFTAEEKSRFARLDLDPDTITWQRV
VDTCDRHLRNVVVGMAKETVKSKEKEGERVQHNRTSGFDITVASEVMAALALAKSLHDL
REKLGAMVVGFSRKGEPVTADDLGC GGALTVLMKDAIMPTLMQTVVERTPVLVHAGPFANI
ATGNSVVADEIALKLVGPDGFCVTEAGFGADIGMEKFFNIKCRYSGLKPKAAVIVATVR
ALKMHGGGPPVSAGRPLQKEYTEENIELLRKGCANLQKH IENAKKFGVNVVAVNFKFTD
TDAEIEVVKEAAMAAGAFDAVLSNHWALGGAGAADLASAVDKACKENDES NFKFLYNLDT
SIKEK IETISKEIYGADGVDT ELANQQIENYEKNGYGS LPICIAKTQYSFSCDPAAGV
PTGHRITVREIRSCAGAGFVYPCGDIMTIPGLPTRPGFYDVIDDTETGDVIGLF

>comp9256_c0_seq2; 156 97 234 LEN=329; translated
MSNEETNALGYPKLACSTPVPSPDIEVSQQIVKEVGLLPIRDVGRQ

>comp9257_c0_seq1; 230 1 1660 LEN=1950; translated
XGPDAYVHTCPLSSQISNPERTVGSFAMAFYGGRISMQGLGRSGLVTKCFHGSEHAKLR
RRAPVGGRNVALRSAASVATGETVEAVFVHRHGDRTPGKSLVADEFVEDEASFWRTKI
PPSDRSYHQMLSERFPMIRPGLSNKKIPTPEQSPFLLFKELQGGNESYGF LTKGMHQMY
HNGAAMAKRYSLLPHGSFRDHWDI EAFSTNYLR TVKSCQAFLDGLLSDTVSKTTDRVPLD

YKQPTHYEGIDLAEYHRARTTSDYDTTVEIKVQRQAENETLNPFD SAPQLMKNLMEDAKAA
PDFIERDAGAATLKAQLLEYIPGLSRHSSSTEKTSAPVNVWIDAADYFVCRSSHSVPVHK
FCVDDGRDNETAETFRSLGRETFSHLLSRFRGYYVHPPLLAEVAGPALDEIRSTMRQVV
GTTEADIFGVAKKPFHIYSCHDVTLLGLLYAVKDRFLIEDTDRFRSLSSQWPTYASCLTF
ELVRRRTAKGKSKDDEEFVAVKLWLNAPIPNFCPRPVALLQAPQAEIVHSIGLEDFNKLID
ELNAEREFYCSGR

>comp9257_c0_seq2; 227 1 1118 LEN=1118; translated
XGPDAYVHTCPLSSSQISNPERTVGSFAMAFYGGRI SMQGLGRSGLVTKCFHGSEHAKLR
RRAPVGGRNVALR SAASVATGETVEAVFVHRHGDRTPGKSLVADEFVEDEASFWRTKI
PPSDRSYHQMLSERFPMIRPGLSNKKIPTPEQSPFLLFKELQGGNESYGF LTWKGMHQM
YHNGAAMAKRYSLLPHGSFRDHWIDIEAFSTNYLRTVKSCQAF LDGLLSDTVSKTTDRVPLD
YKQPTHYEGIDLAEYHRARTTSDYDTTVEIKVQRQAENETLNPFD SAPQLMKNLMEDAKAA
PDFIERDAGAATLKAQLLEYIPGLSRHSSSTEKTSAPVNVWVSPKERLVLLLFLSWSLRM
RASLTANQSVYVRX

>comp9257_c0_seq3; 92 1 218 LEN=954; minus strand; translated
XRICVSGVTKQLYDWTIESEKAI VGDGFTSKRIAWINHDFKHFMESGKLC AFDVEKEIED
ITWVNF FKNFA

>comp9258_c0_seq1; 589 374 1939 LEN=2077; translated
MDTESSNNPSIFFLIAPTSGHVRPRRSRRSATYDIEERGF MSTSSPVGLSSTISIFLTIM
ILSVSIEGFPLRSMEFHSKTV DRESLRNKMRTIQ TNGWFRSDNQRGTTPLSKIKDYSRSA
LAFRNLVSMRSNVDGYSNKDGGEGEEYADDLFEELDNEKVFPLEFDDDEEDDKEYLERGL
ERLESMEKMLQDIEEYCSIDGM CDEDEDNEEDDDMMMMGDVDNLEDMESLFD FLEETM
DSDVEEDVDDIFDTREDGEA IQEVSTA EVPTT VTARQDSFFSPIGLEEALLQGVVPVDSG
VGSGLTLP GDFGDFPFRFADKDYVKEFQYRFLNWLPGGNPNNDPPPKPRPTALVLRDYREA
EIRHGR LAMLAVI IWPIQEKIDHFVLGTD TAGPLLYGPVTL PYP LPLFMTLVMMLLGYLDI
YAKDIQEEEGLGDAFLPGDCFW DPLSILQGAPAMMKRNMQERELFN GRVAMLAFAAFVFE
ELTSHQAI VDI PSNEVLFVPAYQIPVVQE WLD SQFLETYTR

>comp9259_c0_seq1; 343 63 389 LEN=522; translated
MMYFKATVLA AAFMALSANAAI IDESNDSVIGIPQRRLQKGSKSDPTPPPKSSKKGK
GSTEAPSAAPSAAPSAAPSAAPSGSPTGAPTAATTAATSSSSSSSGSS

>comp9259_c0_seq2; 271 63 389 LEN=780; translated
MMYFKATVLA AAFMALSANAAI IDESNDSVIGIPQRRLQKGSKSDPTPPPKSSKKGK
GSTEAPSAAPSAAPSAAPSAAPSGSPTGAPTAATTAATSSSSSSSGSS

>comp9260_c0_seq1; 394 138 951 LEN=951; translated
MAPSLSYIPEPHEQAYYLALFQAADVQKNGI ISGAEAVQFFGRSKLPIEVLKNIWTVADQ
PSTSSLDHKKFAVAVRI IQLTQNGTKGSGPTLAAPPGVQLKPAFFEG LAPPQQQQQPP
PTPQQPQRAMQPPPQPTNSPPRTMQQQPQVPPSPSRALVGM DPYSLSPQERSRYEGLFPQ
YAKTEADGAMFVYGSEAVPLFMKSGVDPNSLRDIWNMVD RNPVDNR LDKLEFALAMHLI
VSVSKKNLPLPKGGTLPSSLQALKVAAGGNAAX

>comp9260_c0_seq3; 281 1 814 LEN=814; translated
XATRLIRFVHDLXQAYYLALFQAADVQKNGI ISGAEAVQFFGRSKLPIEVLKNIWTVAD
QPSTSSLDHKKFAVAVRI IQLTQNGTKGSGPTLAAPPGVQLKPAFFEG LAPPQQQQQPP
PPTPQQPQRAMQPPPQPTNSPPRTMQQQPQVPPSPSRALVGM DPYSLSPQERSRYEGLFP
QYAKTEADGAMFVYGSEAVPLFMKSGVDPNSLRDIWNMVD RNPVDNR LDKLEFALAMHLI
VCVSKKNLPLPKGGTLPSSLQALKVAAGGNAAX

>comp9261_c0_seq1; 513 88 1613 LEN=1654; translated
MGCQQSIPVDLGSSIDVTKPVLGNE SRQTCIEQKPTGGKTAIASPGASTASLR TARTTTS
SSTASLALDEVSYVLPKLDYNGHLLMEEIVRRTSSSLYCS SLTIGEESSEFELQYAYRSQ
RGYNPREPLKSNQEKYGITLNFASEGRGAMMGVFSGHGEEGSR CANFSQRVLPQQ LAKFV
RQKR VQAYKSLKSAGTKQGAWNPKMWPLLSALEYKQC CERAFRETNKMLHEDKNIDDR
FSGTSLASVCFHGKHMVYCNV GACNVILGRRCS DNSTRSYKNCSDYNGEE EKCEIEEYAC
HSDKAEI PCR SVGERLAVXL TNHTVCSLEE QERIKLFGAEVKEVNQTEEDTSSIFDTQ
EGGSGR KSLRAFLPGKAYPSSRLTRSIGDSALEEIGIVSDPDTISCNLAETDDVVVIAS
NAVF EFLSNQEVIDLCTASC DPLQASEAVTRAAYKKWIEKKNR CDDITVIVCF LSKNATK
NSARSEVVNVSTEMDVPAMADFEEDDV

>comp9262_c0_seq1; 670 1 2329 LEN=2329; translated
XRNSTEKKSSTPPPPSSIEAGELFEADSLPIDHETS YWAEDSSHHFAEDPGNDVTGMME
DSRGMHMMPLTI PRDHS SHSQHKETDNEVDGSDSSTGRAASGQIKNGGGRGQDDGSNGSN
SGTPSFEENADKDRNHENDSALPPGSNGGSGDDEESSDKTIPMTAEDRGSESDSSSNGSS
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>comp9263_c0_seq1; 253 1 727 LEN=1736; translated
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>comp9263_c0_seq2; 255 1 1249 LEN=1463; translated
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>comp9264_c0_seq1; 234 1 614 LEN=798; translated
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>comp9264_c0_seq2; 182 1 797 LEN=981; translated
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>comp9266_c0_seq1; 269 176 1419 LEN=1419; translated
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>comp9267_c0_seq1; 350 675 1679 LEN=1711; translated
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>comp9269_c0_seq1; 179 93 809 LEN=1394; translated
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>comp9269_c0_seq2; 268 93 959 LEN=1150; translated
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>comp9269_c0_seq3; 998 176 3343 LEN=5154; translated
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>comp9270_c0_seq1; 473 269 2149 LEN=2873; translated
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>comp9271_c0_seq1; 720 212 1810 LEN=2075; translated
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PLFPFRPGPGIAPDARSFATV LGSEHMGPALLSVPLGAAQ NAGAGNDAGGP AR CASKDFV
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>comp9272_c0_seq1; 144 227 487 LEN=487; translated
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>comp9273_c0_seq1; 357 243 1472 LEN=1871; translated
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GLALVSGYFGTGIVMSRNIVTGNWSAPVAVGISGVGAGVLVGASARSLVYLIYDYFTLNS
IIGTDNGGLMFGIGAGASIGSCFSKQIGPGASYITSPKTFQSAGLSSNTGLSRGLGGFFV
GVSIEGGICKSRDRLNARFYGEDKYNTKLGADILMSGARVEIPDGKNGENKDAKRMMERI
HRKLI R LCTGGSSSGRIHATRDSGSTSRYGGDLGLDIDQSN SHYDEHAGVSSDSSSHDDD
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>comp9273_c0_seq4; 372 210 1484 LEN=1883; translated
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RSLVYLIYDYFTLNSIIGTDNGGLMFGIGAGASIGSCFSKQIGPGASYITSPKTFQSAGL
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KNGENKDAKRMMERIHRKLI R LCTGGSSSGRIHATRDSGSTSRYGGDLGLDIDQSN SHYD
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>comp9274_c0_seq1; 1009 218 3429 LEN=3482; translated
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FCIGPSGTGKTSVVCVVEWLARTGSPAPSSSSPSLCSRAEVRVQPAYVDCSIVEPSTID
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>comp9274_c0_seq2; 1064 218 3247 LEN=3300; translated
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SAILSSITSLTATIGRRLVETRRTIAADAGASSDNKRLPSSSSSSINSNTTTTTYVPAPI
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QSNALSELLLPKIMKLNVTIVVITKYAILDSTRNLHASALSKGLSNLSNGVHPVVVQFP
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>comp9276_c0_seq2; 233 296 1321 LEN=1513; translated
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>comp9277_c0_seq1; 262 323 1453 LEN=2278; translated
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PGRKVVVLGDTNSARSMERLAQNADVVHEATNTFLPALEHKDATFSSVTKDTIFHGHST
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>comp9278_c0_seq1; 514 288 1817 LEN=1968; translated
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>comp9280_c0_seq1; 309 220 1129 LEN=1129; translated
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FSSTFPVSSARSITVSQVSKSKSILREYDEGMSDCRTPVKMEGHLLALVDSLDKATLIVL
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DIAX

>comp9280_c0_seq2; 404 1 1445 LEN=1499; translated
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GQCHRDRVATTLKWMQIYHERRDYSRAISFYEDALNAGRSALGIHPEVASILNKMGNLHY
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QSKSFGKTHPDIAITLSNIALIHYQNKSYAKSLEIYQDALRIRRDALFGDCNLDVASSLNS
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EQTLNIERIALGSDHADLVLTLQYIAQVHQNGNFDRAVNYFTEVLRIQQLGMPASNP
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>comp9281_c0_seq1; 190 81 308 LEN=489; translated
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>comp9282_c0_seq1; 273 1 1124 LEN=1838; translated
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>comp9283_c0_seq1; 511 1 2715 LEN=2952; translated
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VNHNLRLRTPINQELNGTNIQRTFTSWSDGVVSDREIRLLPKENTGLVASFCVQDDTCI
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>comp9284_c0_seq1; 332 1153 1914 LEN=3089; translated
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>comp9284_c0_seq2; 507 1 2007 LEN=3182; translated
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QQEQAVVPKLPQCALEVTYPSFSLSHGELDEADTAATSTSAVHRETQVSKASELMSRTIV
WKNTANNKRKHQPVQRSYQDNQLPNRVMLSEILDSFDQLVEARIRAYARILSNHVRVLS
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GKR SFCELRNDAHPAPPVDR LRSAD EQEGTSSRLSKQVSEISFRPPAIVEVCHEEQQQQQ
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NYKRLRTE

>comp9288_c0_seq2; 392 195 929 LEN=1524; translated
MSAATETDDANKVEEENLLVSLGDKLDCDATKNMPKLILASQSPRRREILDMMGLREDKQ
YLVETSPLDESKLQVELGKEELTSIEYTRRLAEAKAIALAEAHVADRKEMGVAYYLGS
DTIVELDESILEKPKDADDAKRMLNLLSGRQHHVHTGVALYRLDSTNQITLVDSFVDTACVT
FTDLSADADIDAYIISGEPMDKAGSYGIQIGGQFVKEISGDFFAVMGLPMHRTSKLVAKA
LQAE

>comp9289_c0_seq1; 137 326 851 LEN=851; translated
MAGMP SRSEAAWKKSRSDGYNFQRTEKEWKSMLTPRQYEILRNGGTERQYSSVLEGEERN
GIYSCAGCQSPLFASEAKFHSGTGWPSFATALDGVIEIPLNVVQANLGGAE LRCQNCGGH
LGDVFRDGF LFGVTPAAESGKRFCIDGSALVFKPSGDGEEVIGDEIPSRVQYYYNX

>comp9290_c0_seq1; 161 1 1364 LEN=1447; translated
NVDDKQKTSVQFWKRMLGITKPLQRTMSNPRIFSAHSAEQNPTRLSPCRTVVTSFNPKK
NSQTNGDYDDGDWVLC LATNEASHRVGCALSNGEVQIYDQNTMHHLLHTYQRDSLVTETT
FETFDANLLAATANDGSLTLYDIRQPIHPAIAMNMLRPEEEALSLSVGF DGKIAAVGTS
KGIHFFDIRDKRGILGTYSQAHTNEVTRXAFQSFATQSPGNSFTNRCTTPVLVSGSE
DGLACVFDTSQTTEDSAITNILTVQSPVREIDFFGPKSDAIYCLTGSESLQLYHKDDAVCRK
DFGPQFREYLSRQVSGSSQNASLHSLPSIEYLVDCSWDSGQELSLLAGSSKGDGAVFRV
GEQDLTPIHHLRGGHRGVIRAWSTSPRRSSFLTAGEDARLCEWTTTRTPGISANGHAVTEN
KIIINRKRQHGGQSPRSGGKLRKPRSRMSASPY

>comp9291_c0_seq1; 251 73 474 LEN=701; translated
MMNKNLFIIAAVALFSTADAHSHLRQLKGLKSEKKTTFAPSAAPVAAPSDPGPIIQKSSK
AGKTSKKNTKKGSKKGNTTVAPTASTKAPTMSPTMSPSTVPSALPTSSPSDTSTVFTTV
TSTIATTGEGSNF

>comp9292_c0_seq1; 252 1 724 LEN=724; translated
NNNKNKSKPGYQRLPTAWAPSATPSTV SASASTSASSKSSASP KTLPTQSQISALSSMTM
AAKNKNHPSLRGSKRGANTDGPTEVAQQLRFPWKLHLLLERCEYEHEQRIANEGQNSLT
YRDMPISWLPDGKSFVKVHDKERFVKEIMPSFFGTQSFKTFQRNLNLWGFTRVSKGPHKDV
CSHPLFLKGFPAVCQSMKRIVLKGTRGNRAPLGGVDVSSVQAVVAAAAMQAAQQQQQQ
QX

>comp9293_c0_seq1; 516 1081 2481 LEN=2709; translated
MSVPQKKYTCAKASVDDEADIFRLGHGMLDIAQFVYTFNTIRDIVRIHDPNVKDSKYEES
ASGRGFFDFWFGPPPPKQVEFKNPELIIITDSGMQKHPDRNFSYSVTPEAIKFFSLDNEF
NRKYFKLDGGDIKFDESESLDNTDFEFLRDMQMNIDLKQDVEIIDYDDAFSTSEGGLTCG
LLVNHTRKWL CVVFRGTIGTKDWGHNLNFDL NHKDMFPDHA AFTGADEDKPATHTGFTDY
LVTPRPLDPNEKSYLKR LVSSIDWAFDPDDKLDDEATNPKPKITKEYGIYVTGHS LGGGL
ANLFSYHLADLKS RNDPSAQHIPSQIKAITFAAPLIGNEAFGKKYQELEKKGFLRHIRVS
NDGDVVPGIVPGWIKWVPIGKHCKLDDAHKFRANGVNLSFAEKGILELGYGASATH TAM
SQFNINALSIHGLDVYQSRLEEAEKYP SNKTVEQIYKEEAGDFTG

>comp9293_c0_seq2; 449 641 2171 LEN=2399; translated
MSVPQKKYTCAKASVDDEADIFRLGHGMLDIAQFVYTFNTIRDIVRIHDPNVKDSKYEES
ASGRGFFDFWFGPPPPKQVEFKNPELIIITDSGMQKHPDRNFSYSVTPEAIKFFSLDNEF
NRKYFKLDGGDIKFDESESLDNTDFEFLRDMQMNIDLKQDVEIIDYVSVWVYRHVFSNMM
ILFSVGNFLTRNFDTRHYIRYCLSKLFQDDAFSTSEGGLTCGLLVNHTRKWL CVVFRGT
IGTKDWGHNLNFDL NHKDMFPDHA AFTGADEDKPATHTGFTDYLVTPRPLDPNEKSYLKR
LVSSIDWAFDPDDKLDDEATNPKPKITKEYGIYVTGHS LGGGLANLFSYHLADLKS RNDP
SAQHIPSQIKAITFAAPLIGNEAFGKKYQELEKKGFLRHIRVSN DGDVVPGIVPGWIKWV
PVI GKHCKLDDAHKFRANGVNLSFAEKGILELGYGASATH TAMSQFNINALSIHGLDVYQ
SRLEEAEKYP SNKTVEQIYKEEAGDFTG

>comp9293_c0_seq3; 516 641 2041 LEN=2269; translated
MSVPQKKYTCAKASVDDEADIFRLGHGMLDIAQFVYTFNTIRDIVRIHDPNVKDSKYEES
ASGRGFFDFWFGPPPPKQVEFKNPELIIITDSGMQKHPDRNFSYSVTPEAIKFFSLDNEF
NRKYFKLDGGDIKFDESESLDNTDFEFLRDMQMNIDLKQDVEIIDYDDAFSTSEGGLTCG
LLVNHTRKWL CVVFRGTIGTKDWGHNLNFDL NHKDMFPDHA AFTGADEDKPATHTGFTDY

LVTPRPLDPNEKSYLKRLVSSIDWAFDPDDKLDDEATNPKPKITKEYGIYVTGHSLLGGGL
ANLFSYHLADLKSARNPSAQHIPSQIKAITFAAPLIGNEAFGKKYQELEKKGFLRHIRVS
NDGDVVPVPGIWPVIGKHKCLDDAHKFRANGVNLSFAEKGILELGYGASATHAM
SQFNINALSIHGLDVYQSRLEEAEEKYPSNKTVEQIYKEEAGDFTG
>comp9293_c0_seq4; 449 1081 2611 LEN=2839; translated
MSVPQKKYTCASVDDEADIFRLGHGMLDIAQFVYTFNTIRDIVRIHDPNVKDSKYEES
ASGRGFFDFWFGPPPPKQVEFKNPELIIITDSGMQQKHPDRNFSSVTPAEAIKFFSLDNEF
NRKYFKLDGGDIKFDESESLDNTDFEFLRDMQMNIDLKQDVEIIDYVSVWYRHFVSNMM
ILFSVGNFLTRNFDTRHYIRYCCLSKLFQDDAFSTSEGGLTCGLLVNHRKWL CVVFRGT
IGTKDWGHNLNFDL NHKDMF PDHAAFTGADEDKPATHTGFTDYLVTPRPLDPNEKSYLKR
LVSSIDWAFDPDDKLDDEATNPKPKITKEYGIYVTGHSLLGGGLANLFSYHLADLKSARNP
SAQHIPSQIKAITFAAPLIGNEAFGKKYQELEKKGFLRHIRVSNNDGDVVPVPGIWPVIGK
HKCLDDAHKFRANGVNLSFAEKGILELGYGASATHAM SQFNINALSIHGLDVYQ
SRLEEAEEKYPSNKTVEQIYKEEAGDFTG
>comp9295_c0_seq1; 453 893 2062 LEN=4720; translated
MDPTPEEAAEGSVLVKVLAAVLERLVKSNAATARTDPGQVTKFHALKAPGIGVESYLDRI
QKYASCSNECFILALIYIDRLIEGNNFLLTELNVHRVVI TAILLAAKFFDDAYNNAYYA
KVGGLVNLNGLVDFLFRINFSLHVQPEEFEKYKAQLVTHSINSGI IPLASPVAPPHQ
LHNIPETSDSTTTQSKYNQQQATMQVATAVAVSTYDSIMTDRTQVTPSPNNCLQDSTTIG
NTCGQIQTCSTAAGALVQAPT PRDQRDLHTMTAAKNSIQRTFVLERANSLPPFSSVRCVD
HAFKLPYSAPAMPTKAPALDQMQYQMMMNQLFPIENTLVHHNHQCPTSTMTAPTNISN
HHANPTGGLGGHHPGGVLGPMAYEVAWSG
>comp9295_c0_seq2; 453 581 1750 LEN=4408; translated
MDPTPEEAAEGSVLVKVLAAVLERLVKSNAATARTDPGQVTKFHALKAPGIGVESYLDRI
QKYASCSNECFILALIYIDRLIEGNNFLLTELNVHRVVI TAILLAAKFFDDAYNNAYYA
KVGGLVNLNGLVDFLFRINFSLHVQPEEFEKYKAQLVTHSINSGI IPLASPVAPPHQ
LHNIPETSDSTTTQSKYNQQQATMQVATAVAVSTYDSIMTDRTQVTPSPNNCLQDSTTIG
NTCGQIQTCSTAAGALVQAPT PRDQRDLHTMTAAKNSIQRTFVLERANSLPPFSSVRCVD
HAFKLPYSAPAMPTKAPALDQMQYQMMMNQLFPIENTLVHHNHQCPTSTMTAPTNISN
HHANPTGGLGGHHPGGVLGPMAYEVAWSG
>comp9298_c0_seq1; 715 1 2455 LEN=2909; translated
XVPGTVPGTVRGTVPSTAGTKTAVWPSADHPPLVLATPTAAHCCTREGFLSRLRSILDDP
CQRYSHELLCWMPPDRRQRATASLPKEEDHQTHATPFTIVCSKTFAKTGAVYRLFIRKMS
SFLRRLNQLGFCRIMDPTDPTNLDVFSKPGFGLSVHGRNASCSSSNGEGSAEASLVADGR
GSSSSSSPSSSCTSWTTCSTPKQDERPSALPAASGNDKTPPRSILFSSSRLGGAKRRFL
QRCRLANACSSTSNNNKASTDGLALSGSGSMPPSLPPPLSGKDKTTSGDAHGGNKESNDE
SNSGDQPLAPPVLLRARNETFCESLVSSMPVLQTTVSPTYATPPCQSVVRPLVPPKLS
LAAEVGTTNPEARGGKTRTDRLPSPTIRRLRVP SLDRSRSSNRRRHHTSDKRPRAVRID
EDRPPPLEFVAECVRKLMTQQTNEKLCPLSPASTTPTKREER IATGTCRPTAAATKESLR
RHLRTTQAPQGRNTHQKSGVEETRQDRETTAFTEAPAQAISNFYHDAVHNRDRCSNGNR
NRDGYDAGRNP RNDPHRYHGRENNHGHVGMKVRPEDFSGILDMAGTEATIAIRI IDTI
DTNIFI IHTTNTVPGTTIRTRII TATIATIXQQPPPCSFRLIYRESEQQAAQILGQRG
QNI GLSHRRCDGSVAIKVESGDGSSPV AHDAGKRPEPAAAT IATGKGD FSSPERAREEKD
PHHAGIVADVELVVRHLQENEAQQQLLLLQPPVAFVETEPPFVRTNSDGSAAAMP GSDS
VAKDFAKRNGRASAKVFLLEGLLREKNRRLPALRTELH
>comp9298_c0_seq2; 306 146 801 LEN=801; translated
MILPVSNSCSSFEEVAAPRTIRPEEIGEPLKEQSHKQNKNRNNHGPKSSLEALVDVASTL
FDQSVAMQRVVQDGHEPAHANPDPPQDTRVLP AQPPRQCPRQNI PPRSMHGEEDEDENE
DENENEKRMHRLPSPTAETGQESGESREPOKEGRTNESPPAIPTPSPSSAVVSVAVSV
AVVANDSKTPKQPRSLVDETRSGRADSQKGGTLGIVPGT
>comp9299_c0_seq1; 142 104 273 LEN=273; translated
MNIYTKLFALTLLALSVVNASGSII IENNRALKAGKKEKSPKAPTDKSVKSTKAPSX
>comp9300_c0_seq1; 487 198 1893 LEN=1936; translated
MTTLM DPDEIYSDCQSGNGDEDED AKWKCI I SKLVKRDQKDENYTSRI FLVYSAALVFF
MQAGFAMICAGCVRKKNVGN SMLKNLLDVC GAAIAYYSFGYAFAGDGSNPNVFIGTTNF
FLIDVDDYAFWMFEYAFSAASATIVAGTLAERCQMTAYLCYSLLLAGFVYPVVS HAIWSP
HGFLT SNKAKENKLF GSGVDFAGGGVHVLVGGCTALFATMILGPRRGRFH DDEGRKLDK
PNKFP GHSIALQMLGTFVLWFGWYGFNSGSALISTSVNHGQLVLSLGVNTT LSGMSGLV
ALFTNLFILERRLGEPIFDLRMAMNGSL SGLVAITAGCGV GELLHYDERVLSVGRGAHYK
VIEYIFLIHLFFLESVEPWAAVFIGSVSGLLYIAGSSLLERLRLDDAVDAIPVHMINGMW

GLVAVGLVASPRYLNMA YGTTIEHVGFYSLARGNGDARLLAAQIVGILFILSWCLLIMM
PFFVWLDWKGWFRSDPLEEIVGLDTSYHGGLILASGDDSVNPEYISQFKKQRNELRHRRG
VKGIPSDDES LDGYNSTTVATSTK

>comp9300_c0_seq2; 372 198 1937 LEN=1980; translated
MTTLMDPDEIYSDCQSGNGDEDED AKWKCIISKLVKRDQKDENYTSRIFLVYSAALVFF
MQAGFAMICAGCVRKKNVGN SMLKNLLDVCGAAIAYYSFGYAFAFGDGSNPNVFIGTTNF
FLIDVDDYAFWMFEYAFSAASATIVAGTLAERCQMTAYLCYSLLLAGFVYPVVSHAIWSP
HGFLTSNKAKENKLF GSGVVDFA GGGVVHLVGGCTALFATMILGPRRGRFHDDEGRKLDK
PNKFPGH SIALQDEPWRCVPYLLAQ SATGNSD TVFLNSSLQFVMKRQRIAITFFFKLMVV
QMLGTFVLWFGWYGFNSGSALISTSVNHGQLVLSLGVNTT LSGGMSGLVALFTNLFILER
RLGEP IFDLRMAMNGSL SGLVAITAGCGVVEPWA AVFIGSVSGLLYIAGSSLLERLR LDD
AVDAIPVH MINGMWGLVAVGLVASPRYLNMA YGTTIEHVGFYSLARGNGDARLLAAQIV
GILFILSWCLLIMM PFFVWLDWKGWFRSDPLEEIVGLDTSYHGGLILASGDDSVNPEYIS
QFKKQRNELRHRRGVKGIPSDDES LDGYNSTTVATSTK

>comp9300_c0_seq3; 323 1162 2155 LEN=2198; translated
MKRQRIAITFFFKLMVVQMLGTFVLWFGWYGFNSGSALISTSVNHGQLVLSLGVNTT LSG
GMSGLVALFTNLFILERRLGEPIFDLRMAMNGSL SGLVAITAGCGV GELLHYDERVLSVG
RGAHYKVI EYIFLIHLFFLESVEPWA AVFIGSVSGLLYIAGSSLLERLR LDDAVDAIPVH
MINGMWGLVAVGLVASPRYLNMA YGTTIEHVGFYSLARGNGDARLLAAQIVGILFILSW
CLLIMM PFFVWLDWKGWFRSDPLEEIVGLDTSYHGGLILASGDDSVNPEYISQFKKQRNE
LRHRRGVKGIPSDDES LDGYNSTTVATSTK

>comp9300_c0_seq4; 276 198 959 LEN=2086; translated
MTTLMDPDEIYSDCQSGNGDEDED AKWKCIISKLVKRDQKDENYTSRIFLVYSAALVFF
MQAGFAMICAGCVRKKNVGN SMLKNLLDVCGAAIAYYSFGYAFAFGDGSNPNVFIGTTNF
FLIDVDDYAFWMFEYAFSAASATIVAGTLAERCQMTAYLCYSLLLAGFVYPVVSHAIWSP
HGFLTSNKAKENKLF GSGVVDFA GGGVVHLVGGCTALFATMILGPRRGRFHDDEGRKLDK
PNKFPGH SIALQV

>comp9300_c0_seq5; 505 198 1787 LEN=1830; translated
MTTLMDPDEIYSDCQSGNGDEDED AKWKCIISKLVKRDQKDENYTSRIFLVYSAALVFF
MQAGFAMICAGCVRKKNVGN SMLKNLLDVCGAAIAYYSFGYAFAFGDGSNPNVFIGTTNF
FLIDVDDYAFWMFEYAFSAASATIVAGTLAERCQMTAYLCYSLLLAGFVYPVVSHAIWSP
HGFLTSNKAKENKLF GSGVVDFA GGGVVHLVGGCTALFATMILGPRRGRFHDDEGRKLDK
PNKFPGH SIALQMLGTFVLWFGWYGFNSGSALISTSVNHGQLVLSLGVNTT LSGGMSGLV
ALFTNLFILERRLGEPIFDLRMAMNGSL SGLVAITAGCGVVEPWA AVFIGSVSGLLYIAG
SSLLERLR LDDAVDAIPVH MINGMWGLVAVGLVASPRYLNMA YGTTIEHVGFYSLARGN
GDARLLAAQIVGILFILSWCLLIMM PFFVWLDWKGWFRSDPLEEIVGLDTSYHGGLILAS
GDDSVNPEYISQFKKQRNELRHRRGVKGIPSDDES LDGYNSTTVATSTK

>comp9300_c0_seq6; 438 198 1899 LEN=1942; translated
MTTLMDPDEIYSDCQSGNGDEDED AKWKCIISKLVKRDQKDENYTSRIFLVYSAALVFF
MQAGFAMICAGCVRKKNVGN SMLKNLLDVVSSRNKSSVLR LDRVHWSYMLLA EKYLSPNF
AFGSKSSAALRLHTIPSGTAFAFGDGSNPNVFIGTTNF FLIDVDDYAFWMFEYAFSAASA
TIVAGTLAERCQMTAYLCYSLLLAGFVYPVVSHAIWSPHGFLTSNKAKENKLF GSGVVDFA
AGGGVVHLVGGCTALFATMILGPRRGRFHDDEGRKLDKPNKFPGH SIALQMLGTFVLWFG
WYGFNSGSALISTSVNHGQLVLSLGVNTT LSGGMSGLVALFTNLFILERRLGEPIFDLRM
AMNGSL SGLVAITAGCGVVEPWA AVFIGSVSGLLYIAGSSLLERLR LDDAVDAIPVHMIN
GMWGLVAVGLVASPRYLNMA YGTTIEHVGFYSLARGNGDARLLAAQIVGILFILSWCLL
IMM PFFVWLDWKGWFRSDPLEEIVGLDTSYHGGLILASGDDSVNPEYISQFKKQRNELRH
RRGVKGIPSDDES LDGYNSTTVATSTK

>comp9300_c0_seq7; 341 1162 2049 LEN=2092; translated
MKRQRIAITFFFKLMVVQMLGTFVLWFGWYGFNSGSALISTSVNHGQLVLSLGVNTT LSG
GMSGLVALFTNLFILERRLGEPIFDLRMAMNGSL SGLVAITAGCGVVEPWA AVFIGSVS
LLYIAGSSLLERLR LDDAVDAIPVH MINGMWGLVAVGLVASPRYLNMA YGTTIEHVGFY
SLARGNGDARLLAAQIVGILFILSWCLLIMM PFFVWLDWKGWFRSDPLEEIVGLDTSYHG
GLILASGDDSVNPEYISQFKKQRNELRHRRGVKGIPSDDES LDGYNSTTVATSTK

>comp9300_c0_seq8; 420 198 2005 LEN=2048; translated
MTTLMDPDEIYSDCQSGNGDEDED AKWKCIISKLVKRDQKDENYTSRIFLVYSAALVFF
MQAGFAMICAGCVRKKNVGN SMLKNLLDVVSSRNKSSVLR LDRVHWSYMLLA EKYLSPNF
AFGSKSSAALRLHTIPSGTAFAFGDGSNPNVFIGTTNF FLIDVDDYAFWMFEYAFSAASA
TIVAGTLAERCQMTAYLCYSLLLAGFVYPVVSHAIWSPHGFLTSNKAKENKLF GSGVVDFA
AGGGVVHLVGGCTALFATMILGPRRGRFHDDEGRKLDKPNKFPGH SIALQMLGTFVLWFG

WYGFNSGSALISTSVNHGQLVLSLSGVNTTSLGGMSGLVALFTNLFILERRLGEPIFDLRM
AMNGSLSGLVAITAGCGVVELLHYDERVLSVGRGAHYKVI EYIFLIHLFFLESVEPWA AV
FIGSVSGLLYIAGSSLLERLRLLDDAVDAIPVHMINGMWGLVAVGLVASPRYLN MAYGTTI
EHVGFYFSLARGNGDARLLAAQIVGILFILSWCLLIMPPFFVWLDWKGWFRSDPLEEIVG
LDTSYHGGLILASGDDSVNPEYISQFKKQRNELRHRRGVKGI PSDDESLDGYNSTTVATS
TK

>comp9303_c0_seq1; 216 1 588 LEN=657; translated
QKQSHGRRHLFRITDLGKSLVNLKLRITIIESTSLSSTTTLQRYRIFLVLFTYSVVTVSAS
RMFLSSSLRRGLVAGKQHLARPNIQGRFMSVTNISDL DATKKFTAINEKSILYFTATWC
PPCKI IKPVYEELSEKHENIAFGKVDIDDAYDAATEYQITSVPTFVFFNGNEKHEQFAGA
NQDKLESAIKDLDEA

>comp9304_c0_seq1; 461 1 1177 LEN=1957; minus strand; translated
XSDKIVYIKKGLSRDATSNDIAPTIRTITPTIATQTKPLLVSSTISDDIQTPI TADAAK
TKCFVTNDTADKAFAPDKIAVGASADKAHQNISAPASAASAKGHETLQSLVDNGTSKPTD
LFHTTTCYNSSSSNVCINISINTSTDSQSRTEKNIDDRKIDRSNDPRMSFQTVLEQQRAT
IERNQQIIEAQONELHKQKQNTQLQQKALELPQKSKTKDQAKGSFVQQIQPTEKCLKHYQF
AAIKQRATTVVSPMAAPLPTPVKSCIASSVISRENSSDNNSTINETCSSSSNRWKLSPAG
DTEQKILGNNDCCGNGIGINNSNTSSNEVSDRNRHNAGIPASTKTANVCNHHQHKNVV
WRDANPQTVAMTNMRTSGNKHNL SMVDLEVR

>comp9306_c0_seq1; 381 1 1419 LEN=1869; translated
LPKASAVEYTSRRMTISHRATAAAVLVLVAGYSKSNRNGEVPRQIPGVLALANPSTTTR
SMWKVLEDSGTQSSSLSPSAHAWKTIFGQKGERGEYMDGYSPEAMI ER CVEDYHWERETK
TEPGTEPSPSDDLDAANHSLASRRRAAMMAHLYDNDELWKHTSMVAF AEHYVVTEEHSE SCT
FSKPYETFRKQRALRPEDEP IFAGVWEDWERQPCVDDHGLLQTRSPKPAVFAEHGIDYV
RLHCNCGDGEALSDPSQLLGGDERIRTLGRLAGAARECQQHGMVPLVLLQVPWRHPERP
AGGSTSTEFLENAVRALTKDLMAEGVDCGKLLFETRPPIGVSAADEGAMASSERWALGLN
TGRTVFRILDQAFGTGGAGQTPAGFCVAGGSTKGAVPTAMQDDTQAAVRRGIRERALAEW
GYEACFWEMGAKMLQPAVGRLWGTGDRGASSELFRSNAKALAEELVELDGL

>comp9307_c0_seq1; 462 271 1032 LEN=1368; translated
MTTAHRPTWKA AVGKASEGGWGS GGAGSQGLSVLDMPAHTKLFKFRKGDQVVD RQKALKES
LLKLETAEKATKLLKRPVAVDEKVEEGRLLKLLKQTAEVDERAIQAKYNDADALSSDDD
SGDGDGWSEADNDLDASSSDEDDSDDDSDDEDEEAALYAE LAKIRAEREA AKQKEEAE
AARNEEKLEEAALLGNPLLASGNDHDTGRLKRRWNEDVFRNQAKGEPEIKKRFINDTVR
NDFHKRFLNKFIR

>comp9308_c0_seq1; 1315 1 5257 LEN=5372; translated
XAAA AVATKGD LPRPQTSAFVATTDVF EKILFTGVV KWVDEAE CATARRDFRQKSLPICV
TYHSQLRRHAVWEIQHP PPPPQQAPLWQMSQQWR SKNARDSHLGVLQDLEDFELADDPV
DSSHSDIPSRNDALADALGIVRRNTPRSNAGTAAISNATRSYRASSGSAGMSSNRSGKA
KTPMNSSLLSPLRSHTPTANGSHVLDGFRDGLTNAGFASDSTTRASFTRMGPFASLHPK
ANLNCIYVDSNSMPPAENIFLASNTSGSGTSLSLCLVCPSSRGGVGPVSDNTKELTVYSLA
PVVEKGRNFVAVQPEGSVPCVAAQPIEASPIPRNYAPHRNKYKTLTEMATDILLRNHAP
NESTLSLYRNTQHIVDCTITIPQSP ELPVEMTDLKHSFRNVIDVYVWDSKTMQHQSIRGR
LSLLLNSDSIGEALIQTVEAAFQTSMTLDVIALKIRADCIRLEQATSGVGA EIAKLVILS
LFRFDILGIDVNAMEMPCVKEATTIDQTQWEILLEYGNGE PFSVEYEEIFDESPVADGA
DWISERVKKGTSFVDLCKICSLSTQHLVSSGLIIGTTVFDSLHLFYEELKLNHNSKQEEAL
SYIGSILCDICSMASCNTMQPRDVTE SYLSYSLDLEDHYQYSIAGDIRSDSGVKKASTR
LEQFKLSSFSSPPSILSWIEEVICGNMASSQYEA FERADLNTTCRRIQSFLLI FPKLF EK
DDSSGEDARINGESKDFEVVKLLLEEGFSDPDALRDEL P VGVALP LLELLHRCRTS QIAY
NSVMDPSVWLLIGREDIEMKKS DSQQNQSHESKPPAPLNGLNSSPSLEEFGNNDKDGITQ
LESASSMLFPDDNRIREVGRLLRSSKPAYLHVPRAI EVSDHDYERQKQDKLLLLSRIL A
LPLGRMLTIGNLKPVAEPLPELCLSGRIPPTNTMALDVSECPVDLKVWPEFHNGV
AAGLRPLQLEAGESVSKITRTWIVYNRPSNNNQADSQNNSNATENNSQNQNHAHGGLLM
ALGMRGHLTALEMTDIFDYLT HGSVTTT V GCLLGMAANMRGSCDISVSKMLCLHIPSLIP
QHFSTIDVASTVQAAAVAGAGLLYEGSSHRMMEFLNEIGKRPSNDGNVLDREAYTLAC
GIALGMVNLC KGTENSVDNGVGLADLKI EERLYRYVVGIDDAEIRRYEETDRLSMPSA
SSSSNSDKCSCIYEGDSINIDVTAPGATLALGLMYMKSNETIASAIALPQTHFLEYVR
PDFLMFRVISRALILWDDVQPTNEWIIAQVPRAAYNAYREMKDLAERLQCGGVDAAGND
EPEYDRQAVRFIYTHVIAAACFSIGLRFAGTGNTDAASLIFERVMELRELRDALDPASTA
LRPPTPVIEMCLGCAAISLSMVLAGTGNLDALRLFKILRWPCTDDIYHGSHQAFGTAIGL
LFLGGGTCTLGRDPKDIAALIMAFYPRFSSSTS DNQYHLQALRNLYALAVKKRELKAIDI

DTGECVFAPIELHFRNKELEPMHFTAPCLLLNTDDEPFELRVVSKQHYPLTMSLDSNLGS
KVFFVKRRGACIYDKSRPHSHTSLLMRSDKLEQRDSDLVASFDDQRILAFANHFCDFC
EPKVQKHTSSPSMAQFCSRILHECFLRDTRQTLPLYLALRNSIHKVIAGRSARVAHVWDF
RLVRSYYQNHGLTSRDGNSRRVNLCELVAYLIEMMELALADAKSSNKLLAIFYSYPRECR
SKKNDTDDMDLT

>comp9309_c0_seq1; 110 38 331 LEN=331; translated
MRLRQGKPNPGVGKIGIRSFVLLAINCVVFIKLGKPYSAIVNIEYTEQKSFDSPTING
TATMRASSPLRAFDVAAIGHSNATATSASSDVTKNLTD

>comp9311_c0_seq1; 1057 240 3791 LEN=3815; translated
MEQETAKSSRLLSRVSDSNHERSSCHTNDTPSSTYHSFATSDFSTASARSGRTFDLLN
SADNFGGNQPNNSTSTENVETLVEGLEADISGGDYIRFFNELDHRGTGGTTTTWEVEENV
VLEAFRLMRYHVIKRQISTPDVLLTGEGWVKTIKSKFTAFENSNAVAISCLLTFLLTSS
LPGNYKNLIVRRGGVDCAMKTL EYWHDKQACSLACALILSLSLNEKEGLNASYRQIVSL
VKRMVSLISRGGYGADIALRVVFQFTCHRKKLPDTGKSLSHLVKRTLREKKNITIALFNV
MMECDVRESTVEAAMSLWLRLSVPKDEFDDDELYPTSDDAMRTIIAAMDSFNISITIREAG
CGTLANMFIRKGI PAELSQMVFVSMQRFILRSESID EGLATCALHAICNMLEKTIIGSSL
VLNERII EALIFLMKKYPKSEELIEFACLIGRAARHNQGIKESLMALGAFDQVKCAF EQ
FVLTREDDPSLDVKDASLCAFATLTGCLSGAQEAINTGLLDIFETLLAVETDRDFAVVLD
IIISNTRACVTNDGFPTSLEDTLLQQPQIFSKLMENNTNDADATSLIQSLLGVGQTHLES
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EVVSI GLSALNNIAVDSITRTVAKINDPVLMI VIAAMKSFPM DGHVQKNACFYLKTC SYV
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>comp9314_c0_seq1; 328 317 1576 LEN=1789; translated
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GEWTVALSSTQAATTTLMGTQAVVNRAYHTENDEGE GFGSVSVVMPIESMVSEFEFTT
EKIKQNF SNFSAFHYSQLLDCLCHNGDNGESPTPEEGLCCLVERILEDEFQ LVEDAVC
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>comp9315_c0_seq1; 195 516 1113 LEN=1551; translated
MRTTNDQAGGGGEFVVRNFVGVIRDISVPASTVETDLFPRGALEYTAKNMGWDCTEEDR
DRWQMDERGG AQGDYREGMPEKIANVVDC LRNEPLSKRAVIPIPYATAGSATIDWRDRGQ
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>comp9315_c0_seq2; 269 82 772 LEN=1210; translated
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ASTVETDLFPRGALEYTAKNMGWDCTEEDRDRWQMDERGG AQGDYREGMPEKIANVVDC
LRNEPLSKRAVIPIPYATAGSATIDWRDRGQNKCCRELHFYLEDGK LKCTGIVRMQNANI
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>comp9316_c0_seq1; 1259 212 4086 LEN=4086; translated
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KRRKSLSKRPSSENKENSALTDSENIASISYKCHQYTADLSVPIDAQRLDFNDASESSRN
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>comp9317_c0_seq1; 349 51 1353 LEN=1656; translated
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GEEIYYEDTYNHGSIYKGWDAFVDMKDVGISSSSGGGVIQTSTNRRVPTDARWFSTSCAS
VSRTPPARFPPLVQESLLSTTKLSAIPDQEQEKRSSDYGKTTKPPSLGTSTTNKIA
ASLPNVPAKNTVTKIESKSETDASSSSSFRTSQRVASSAATIADSTKASTTTKLPTRRLP
TPGMKAENPASTRKKRSTTAASSVEPHPKKAQVKSFEAKGGFKDPAAGNSQKPTATVMT
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>comp9318_c0_seq1; 309 124 729 LEN=1159; translated
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AKYEARECAEQEAAQREILERRRNPEKMQDYEKVANRAKLQEEKEMWGFQGVQDGYD
PITWKRKLDGKITVGESEMDRPTSSRLGSEGLVDIRTDELPLYIDQGYVDESADVMGG
IMGLFGGKKKEASDEDEKLAN

>comp9319_c1_seq1; 332 125 1030 LEN=1272; translated
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RPVLTWGFERQTCGVDPAIAGKSEYKLSGESNRVYRFDNQTDRSVGHCEFTDSGCFVVP
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S

>comp9320_c0_seq1; 491 229 1425 LEN=1882; translated
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AVAMMCAQRGYKCVITMAEPPSVERRKLMRMLGAKVIVTPKAGKGTGMVEKAAELAEKHG
WFLCHQFETEANWKFHEATTGPEILNDLKCIDKGLDYVWTGYGTGGTFHGTGKYLKANS
DTKIVLAEPAALVDSGIPTERKADGSPDGSHPAFAAHPVQGWTPDFIPLVLEQGLNLE
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>comp9321_c0_seq1; 529 113 958 LEN=1105; translated
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EEATWEFLEKADEYPKVKTSTVERFQKLWENVSGESVVGMRKGGAKGPTKPEEPIEIMSAE
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>comp9322_c0_seq1; 226 144 1820 LEN=1858; translated
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TIRSVVGTGSILGIPIFSATHDKSRNLDPFSFGAPPVVRRVSSNELKSNPSHPYVYT
VLREAIAREKGGYVHPDLGIMEPAPCGAARGIGMVRNLYHRCQTKCLPGIAEEKLEAKRK
LLQEESEQSTEEGEESESRHYRQEEVLIRVPLSYQMTRKVALDTLIPRITSEPIHKTLEL
DDATLLTLLLAHERGVGQFSRWLPYIASLPQEPSCGYSQGHRPHQLDSINALRDNLGLV
DGWPGELLRASEYSERIVAQLANDYGI FVKHPKDKSPKANLRWALCQVASRAIGGSQKYG
ALRMVPLMDMLNHDFHAGGFVELTGKERLENGDFIDATNQETDAGAFVIRSLRHGRKAL
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>comp9323_c0_seq1; 262 52 597 LEN=855; translated
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VIFEAMADVEAYRRNTIKYTDNDNGVSGERRPKSIRISQIGIRCRHCATKGGKSNTQRA
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TKLVPHSETPNRKERAVPKIKQPNPKEKTAPKRKPSTVEQKVLPRKRVQORRAKTVTRIE
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>comp9337_c0_seq1; 512 109 2489 LEN=2489; minus strand; translated
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ETTHNRKNQYTYQNSDHYHQNSAFRTPMRRPSSTIMIKTTPHKSSNASVSGSHQSRGAA
SYNSSVGRTTGSSTPLNISTAAPRVSTDKHAIKSTKKVIEGTFYILCHLLMTGLNLLLPN
HGIFYFLTNAHGYSCMIHISELRKSADHSYPVEKRI IALTNACAEFDHLDDSRHNLELQ
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>comp9338_c0_seq1; 569 1 1336 LEN=2164; translated
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YKNTMAIYQGLYGVELTCPQKKAKELYDKAKEKAKEAKAAAAAEEGEGAKSKAAMSTPN
LSDIGEAKNMDPERICKLNAVGFWELOKDYVESWENRYNQLLKFVNLNGHCRVPKSS
GDNPQLGQVVKMRKYHGKEDGKSYSTFTDERISRLNELGFWRLLKDTMPKSSVAKAE
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>comp9339_c0_seq1; 1791 219 4240 LEN=4386; translated
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ILQGEVEMISMPKPKGKTESDEGLLEYLEDIIGSSKFVEATNEAAERVDGLSEVRQEKLN
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ERTNKKKLQDKIKAEKKETKAENKKAKEESVPELEDEIERLAESKAEEDSKLERIEE
TKVVVTQNIIRRELEAKAAELAPVKQERAVLQADLDTAETELKLEDSSKRVKERLASSELE
LEALDATQESKRQKLKEQEVELASTKQRIVDLQKQEDRELSAREGSMGTRHKQLLAQVEDA
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DNVVVQTTAGAQRCLEFLRKYNLGRASFIPLDKQKGAHDRVETPENAPRLFDLITPSN
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GMRLGNSRRPAITVAPGEDEEEI IENMSHEVNNLGAKIQESKRRLAIKDELRLKLTAKV
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CVELADRLEKEVSKLQKNILDAGGPRLLKQKAKCGKILSELDEREKALKSAKVGIVSSEK
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ATKEAEDLKKSESEVQLIEIDLIGQLDALKKQIAECQKTKAHWEKEISRLNKVEDDFEID
DANEDGDI EQSDSDVDDDDNHASSADIEMTDAEERSSEKKALTKSPSSTSLVLPYEALE
KYDREELKETISVLQNERNVLAKNANMGAI AEYRKKESDYLARIDELDQVTEQRNDARKE
HEELRRQRLEMFMDGFGIITLKLKEMYQMITLGGDAELELVDSLDPFSEGIVFSVRPPKK
SWKNI SNLSGGEKTLSSLSLVFALHFKPTPLYVMDEIDAALDFKNVSI VANYIKERTKN
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>comp9340_c0_seq1; 362 295 909 LEN=995; translated
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>comp9341_c0_seq1; 827 93 2225 LEN=2353; translated
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RWTTFDNAKLVKAGIANVSDFWVFGYAGWGP NQLKGELERN SWYMAATDSQTL LKELA
RQSEGADPRDAGLSTWTLLMNMIGRSETARQYYVQFDDLMLKEWAF SNLLSEAAGGGAGR
QQRDPEEFNTNPELVEQLTSLLEKRPDPPIEGALVSASGVDRSPFLLQKQYHKSIVLIL
KEDKLATVGVILNRVSSKIGIDIQVNDLKTGGKVVVTIPMRFGGPYSIQGEESLLWIHRSE
ALRKASIGHVPVGNESNGIWKCTTEDVMKAVGQGIAPPEDFIVVSGVSIWPKQEGAEQGI
QGELELGNFRLVSESVRDDMWSTLLKQQVLLKKTNFIESLRLSEEAW SFAESDSAKKKEM
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>comp9341_c0_seq2; 362 93 1044 LEN=1044; translated
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>comp9341_c0_seq3; 503 147 1241 LEN=1369; translated
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LQKQYHKSIVLILKEDKLATVGVILNRVSSKIGIDIQVNDLKTGGKVVVTIPMRFGGPYS
IQGEESLLWIHRSEALRKASIGHVPVGNESNGIWKCTTEDVMKAVGQGIAPPEDFIVVSG
VSIWPKQEGAEQGIQGELELGNFRLVSESVRDDMWSTLLKQQVLLKKTNFIESLRLSEE
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NFEI

>comp9343_c0_seq1; 484 396 2596 LEN=3080; translated
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PRETLNLLT MPLCKQWRLSYTCDQELWRTICL TEPFSADIPSYASNSSDGSTPRI ISCY
DDIDNDSSSPLENMNDNVFGEFRLIFTSFVRCMNYLDRVQNINGGGGRKLWSE RSHNRGS
SHSFPTFGVTD SLKKFLIKRKEHNQLRSVIGNGKGAMSSIPIGISSDGQEI QVSDAHS PF
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GLVEVILSAMRFP ECVELHIAVFHSIVLLARPLGGREGMLFDNSMADSTQSIGLTSRIE
LADSVSLASRCGGLPSLERKNRG SNTSRSTGLANHRCINVTGTTGV SLLVDSMQRFSSCE
KLQSMACWALVNVALVPAQKNMFM RIGGIEAILNAMESHEKVF DVQFRALFALINLVVPS
RPSDF AIDRSMNGMEATRLEKAVL TEFGPKIAQLSVTAMKNFCSSETILNRGCLV VHNLS
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>comp9343_c0_seq2; 553 396 2450 LEN=2934; translated
MTMFKLKKCFGKRKHQ TICEVAVVPSSPEPHSADDSREASNEIADTSEQECDDDDQCDQAI
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VKDLEKPKYGN SMITSRLFSSHLNLPKSF AIYSIVNWMVAHPNVKGIQIMCIQALPSLLE
DEQQRVTGQRVGLVEVILSAMRFP ECVELHIAVFHSIVLLARPLGGREGMLFDNSMADS
TQSIGLTSRIELADSVSLASRCGGLPSLERKNRG SNTSRSTGLANHRCINVTGTTGV SLL
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LFALINLVVPSRPSDF AIDRSMNGMEATRLEKAVL TEFGPKIAQLSVTAMKNFCSSETIL
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>comp9344_c0_seq1; 365 238 1212 LEN=1577; translated
MHVFKYFLSYALIATTAQALSDDRSAIESSVALISPLVSLQTSPELLPQLSSILVSASIESEVTDKNPFFPLKVVNDPNTYSALSAPPNSANSESTPLILVLHGAGKNDKIDLLDLADPSGEHSLIPLSLIASHRAPPNLLDNFCVLAPYSFGKPSFYNDNRGKILQFVDWAIRNQNT EELPLRFDPNRIILFGFSDGATVAVELLTTKRFAAGVICSYGYSGKTLPSQALERLSDIP IWFVFSKDDVIFDVRNSDRLVQQLESVNTITKNGSTDGSILKYSRFDKDPENLPSRVRGH SMGITASRSSDLYDWMIQQRLAYP

>comp9345_c0_seq1; 171 1 1176 LEN=1176; minus strand; translated
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>comp9345_c0_seq3; 256 78 1013 LEN=1120; translated
MADSIGPMDAILDDALDELEEEEDGSSAASQGGNAGIHHRERTDQGRPGAGPLPLSHPGH KHRVFPFDPDRPPAAPPASGRCDRERKSHPLHAPDAGRLLPAAPLDASAGGALGGDDDD DERLLRGLFEGLVAAAGGEAPGEGGLPGGPGASAGTDKGGEGGFSPDDLVDGLLKELLSR DLMYEPKMEVADRFPWLERHKDDKDLPFGEWDRRNOQYECFRNLVGAYEEQAGNDSDAK NDHNNNDES DNTRILELLQQIQEHGPPPAEILRAIAPGLEPDGDGFPDIAGGFPPFPGGG GIPGEDDCRVM

>comp9346_c0_seq1; 489 176 1534 LEN=1607; translated
MPSTSLSPNIRLIARVNKSLSLGTLPSFSASFLSKNNNDQSNYWCSRMLFSSASKADPKQ RPIFVAATKQHVGKTTSSLAVALSGLKRFDTVGFIKPVGQQHVKVETNDETETSIRVDKD VVLIKEHFDDHDIDYKHMSPVIIPSGYTRKFVDGEISTIDQOREVENAFEYISSNSAVTL IEGTGHCVAVGSIVGLNNAKVASILGADMILVANGGLGKAQDQLELNRVLCQNNVRIAGV IINKVIPEKYEQT KHYLAKAMMQTWEIPLGCI PDRPYLGCPALIDLRLFKTKLIIGDS DENRFRHYTMSDINLVTTSLKRFL ENIKSRKPSRTLYICHVTRDDLILGFLDEYQRRQQD PSGSPFEAALLVCGRQD TYILSAEVEARIREMDGDGPSIMLVEGTTHAAMTKIHRFTPKL NIDDRSRVGV AIDHYEPYIDFDLLLERTERE

>comp9346_c0_seq2; 261 1303 1734 LEN=1807; translated
MSDINLVTTSLKRFL ENIKSRKPSRTLYICHVTRDDLILGFLDEYQRRQQDPSGSPFEAA LLVCGRQD TYILSAEVEARIREMDGDGPSIMLVEGTTHAAMTKIHRFTPKLNIDDRSRVG VAIDHYEPYIDFDLLLERTERE

>comp9346_c0_seq3; 261 279 710 LEN=783; translated
MSDINLVTTSLKRFL ENIKSRKPSRTLYICHVTRDDLILGFLDEYQRRQQDPSGSPFEAA LLVCGRQD TYILSAEVEARIREMDGDGPSIMLVEGTTHAAMTKIHRFTPKLNIDDRSRVG VAIDHYEPYIDFDLLLERTERE

>comp9348_c0_seq1; 428 1 1435 LEN=1576; translated
XHHRDP SAAHHSQNIQLLAGASQSTPQIPHNTDRIHSVDLPLLKPNPLRVGGETAGNER YVADCTNSIRVPAGSSGGALPCSVLSISKGGQSLWKDQLPGSTCCAIAASKSWLVVGTSD GCLQIYGTSP TLGWQSASAFRSHPPFVLGRPIVALHLREGGAQTELLVVSSDGRFVYVL EPRLKLLYKGSLLPAMTHVLLSADLQTDLYLPKLARIQLTETNRLLLLLLSLRSASTPGRN SGPDEGRAGRGTNQAPSVGAGGSLQGFVYDLESELWMRVADSRFVLSDFYNSLPSFSSLK KQSTTDGPLSKLDDYVRMGAGSSSLQRSRRARSILGNSVSFQTSTVTTT SRQNDDEANND VDSRSHCEDRMACALALGVSSEFEFEWFSMYVKILALTGNEVLLRLVIDMLMGKYPGASN GEACNSTCWMLSESPMVLTFDRVKLVSTVVIPEMSKNRALQRLTNEIAVEVELLQKK

>comp9349_c0_seq1; 566 156 1838 LEN=2611; translated
MTSKDCDEKAYRTGKWI PKGVNPWSAYKLLSTFP IWEFYTKGKYAKDPKGSIEKYRVIV ARDLERLDSLAAANSLDLRGNGTANRCETGPPSLKKVSAEIVGAIHPSCMEECGAIQFTV LKIVNELDDQRRNGATDNIREEYALCGGFEGDELQMNIALYRLARCLPEATWEEYDGS TNRTLGLDLAERIQRNAEGGGDQKDLPREFLQEWETFLNRF GFDGEDQLFVSCPRYKDRP ELLLQKLR LNAIGSVKDP AVIAKEQLEKRRI VQARHEAAAGSEAEKARSVSPWRPVKRWL ACKRADRKLAKIRKRN EILDHVFWRNAPKLHLTKAFGTIRSWILVVEEGLIEDGMLEQK GDIFHLDMNEVDRALAEQYQRR TQKTVPKTSEQREAKSSSTSITTDWIEIIRPRRAAYDR ALSSKQCPILVDSRCRILRPDPPLASDDPSILVGSPI SPGTATGRVRIVHSVADHSFRPG EVLCAVVTGPAWTP LFASASAVVLQIGGVLQHGALCAREYKPAVSTIDVNSLLADGMV EVNGTTGVVKILENESDGSP

>comp9349_c0_seq2; 844 1 2632 LEN=3405; translated

XEMIDPVVAGVAFSANPLNSDRDEMVDSSWGLGESVVDGSSVADRYVLDKLAVEEYGC
YKHGYKHEYKHERGPAKRPGHRKRPPKLPFGRDLVREASIGEKGIEKRLDRTAGRGVAT
LPIAPCDPRFRSPSLDAVSI AELAE TVCRVEAAYGRPMDVEWAFVETDTEKDTEKEPPDH
NGQKTHREKRKLSLFLQARP ITTLYTL DAPFMATAPREARRLYFDTNIA SEATTTKPF S
RLDMDFWNKATTAMMGVSFGDAEKRVVAIFSEARDAEVLLFNGPTRQYLN LGVALNYASK
ESMAEFFEMMDPYLASIMTSKDCDEKAYRTGKWI PKGVNPWSAYKLLSTFPIWEFYTKGK
KYAKDPKGSIEKYRVIVARDLERLDSLAAANSLDLRGNGTANRCETGPPSLKKSVAEIVG
AIHPSMEECGAIQFTVLKIVNELDDQRRNGATDNIREEY GALCGGFEGDELQMNIALY
RLARCLPEATWEEYD GSTNR TLGDLAERIQRNAEGGGDGQKDLPREFLQEWETFLNRF GF
DGEDQLFVSCPRYKDRPELLLQKLR LNAIGSVKDPAVIAKEQLEKRRIVQARHEAAAGSE
AEKARSVSPWRPVKRWLACRKADRKLAKIRKRNEILDHVFWRNAPKLHLTKAFGTIRSW
ILVVEGLIEDGMLEQKGDIFH LDMNEVDRALAEQYQRR TQKTVPKTSEQREAKSSSTSI
TTDWIEIIRPRRAAYDRALS SKQCPILVDSRCRILRPDPPLASDDPSILVGPSPISPGTAT
GRVRIVHVSADHSFRPGEVLC AVVTGP AWTP LFASASAVVLQIGGVLQH GALCAREY GKP
AVSTIDVNSLLADGMVVEVNGTTGVVKILENESDGSP

>comp9350_c0_seq1; 443 1 1778 LEN=2339; translated
XQLCETFLFEGNQFVNLKPNKEVLYSYGPFVFLVEGEEIILYVCGEXMMQSDNGEQRLLETTTS
TTDALPFVDENASPIEAWTGLYSCTLRDYGGKFIANDGDYEDDGGYCIDPRVVADSYNLY
SDIPDDLPLMNLQFFVSQTEKSTEEKGSSMNLDDAKNYLYGTTMVDHPESTHTHWEI
LRADLPKSSGTKNDPYKSTSNSDALHFKPYFRTLSATDWN NCFDCCPFND DVDSNGIKA
DRDYHDGAF LNAYVQVQPRAF AVDHQTDGDI FIVWEGFHKN CNPADMFSAPKMLEWTIGVS
RLKTQAE DPTCIFA KKEGDES RGYFDVENNFSRCTIPVAIVFKGTRPREVVLPYGGFTVV
PALQESQEEHKNQYPNREINDSSNPPVRSFLVTIFHVEKGVV KSHIYAMPEGGDVTRNLY
MRQDVTSTDDVHAFMRMGVWNGGNQKLHYNQOTGRPDHLCHTIFNKGIECMP IATTE DEN
SVYFNVNGDTEIFL TEAQVTQFCMPGG EVTIDWLN EPMALEKSLVVTGLDVVW NEDHGTP
ERIFFGCRGEESTGKLG SVDRNGENLRPMMQGDILEM LLYGHANLIQPQRDK

>comp9352_c0_seq1; 147 1 1214 LEN=1214; minus strand; translated
XGLCNAAGLLLLLVELVASHRVATRSFVRSSVLSPARRRSSSPCGLFFSFGPRLAPGGFGL
AVVFALVLPDPPAARC GP GAHPRRFCASAPAGGPPVQCAPPDDREEDGLDRVGEDP GPQ
APPEEALPAVRGEDDLDRVPVGVVPGADALLGGLDDPKDVDDR VADYARHQADARVPEE
AGGHEGLKPLGRRQGVEDDKPGVVADRRADGGGQGPLVEGPD PARPDPPHQGAKALPRVY
LKDRLAGVNGHEEDPKGPDGERGK DGRHRRRPV PGLRQAGQQCQDPVVGRRDKARQGG L
QEGKADAPVEAADAPVAVEQGE GVAKAPTVPALVVD RGPQPHEGEHLHDAGGRPRQAS PQ
GPAPGASEDLGTEGAGETA AEAEEATLPESLPPGSAGGCACGRAX

>comp9352_c0_seq2; 124 1 1150 LEN=1150; minus strand; translated
XGLCNAAGLLLLLVELVASHRVATRSFVRSSVLSPARRRSSSPCGLFFSFGPRLAPGGFGL
AVVFALVLPDPPAARC GP GAHPRRFCASAPAGGPPVQCAPPDDREEDGLDRVGEDP GPQ
APPEEALPAVRGEDDLDRVPVGVVPGADALLGGLDDPKDVDDR VADYARHQADARVPEE
AGGHEGLKPLGRRQGVEDDKPGVVADRLTXGAKALPRVYLKDRLAGVNGHEEDPKGPDGE
RGKDGRHRRRPV PGLRQAGQQCQDPVVGRRDKARQGG LQEGKADAPVEAADAPVAVEQ G
EGVAKAPTVPALVVD RGPQPHEGEHLHDAGGRPRQAS PQGPAPGASEDLGTEGAGETA A E
AAEATLPESLPPGSAGGCACGRAX

>comp9353_c0_seq1; 472 1 1009 LEN=1009; translated
XATTTAATTTAATTTPTPAVKDEPIEPT EAVPPPAPAPVPTRAPPAAASNEPSTPNPAV
AVKKEPAEVVFSIPRKISHSSSPATNEASTSPNKRSNS SPTSPLSSPIAKKKKPNPGT
EAAPTIPLVDDARAARFGLPKGTMLPRSVSDDV LNQGRVLDY LKSLGSVSLINDALNEYD
DAAQLKGNEIRNKGAYLYGVV KRYMNVDRASGGNASDLPMGRDLTPPVHQRLQKLV RDN
YCTAEELTKNDKVL SKIRMLSEKDAMGAI EELSTVDRNSIRNFVSYFMGILNRYMRGEPQ
PQSSSSPGTKASGGGASNGN NKSNSNSNQRNKNNNN

>comp9354_c0_seq1; 221 203 598 LEN=1249; translated
MADNKEIEEVPPEPDMAS AIDRAKPI LAKVSFGSIVGYCSGVALKKAGKLA AVVLGAGFV
ALQTCASYGYLTIDWDKVKGDAIKKVDTS GDGTFDAGDLK VYWAKLKSLLTANLPNNTGF
SLGFLYGIKQG

>comp9354_c0_seq2; 221 203 598 LEN=1361; translated
MADNKEIEEVPPEPDMAS AIDRAKPI LAKVSFGSIVGYCSGVALKKAGKLA AVVLGAGFV
ALQTCASYGYLTIDWDKVKGDAIKKVDTS GDGTFDAGDLK VYWAKLKSLLTANLPNNTGF
SLGFLYGIKQG

>comp9354_c0_seq3; 221 203 598 LEN=1510; translated
MADNKEIEEVPPEPDMAS AIDRAKPI LAKVSFGSIVGYCSGVALKKAGKLA AVVLGAGFV
ALQTCASYGYLTIDWDKVKGDAIKKVDTS GDGTFDAGDLK VYWAKLKSLLTANLPNNTGF

SLGFLYGIKQG

>comp9354_c0_seq4; 157 203 475 LEN=1810; translated
MADNKEIEEVPPEDPMASAIIDRAKPILAKVSFSGSIVGYCSGVALKKAGKLAAVVLGAGFV
ALQTCASYGYLTIDWDKVKGDIAIKKVDTVS

>comp9354_c0_seq5; 157 203 475 LEN=1959; translated
MADNKEIEEVPPEDPMASAIIDRAKPILAKVSFSGSIVGYCSGVALKKAGKLAAVVLGAGFV
ALQTCASYGYLTIDWDKVKGDIAIKKVDTVS

>comp9354_c0_seq6; 157 203 475 LEN=2071; translated
MADNKEIEEVPPEDPMASAIIDRAKPILAKVSFSGSIVGYCSGVALKKAGKLAAVVLGAGFV
ALQTCASYGYLTIDWDKVKGDIAIKKVDTVS

>comp9354_c0_seq7; 157 203 475 LEN=1922; translated
MADNKEIEEVPPEDPMASAIIDRAKPILAKVSFSGSIVGYCSGVALKKAGKLAAVVLGAGFV
ALQTCASYGYLTIDWDKVKGDIAIKKVDTVS

>comp9354_c0_seq8; 221 203 598 LEN=1398; translated
MADNKEIEEVPPEDPMASAIIDRAKPILAKVSFSGSIVGYCSGVALKKAGKLAAVVLGAGFV
ALQTCASYGYLTIDWDKVKGDIAIKKVDTSGDGTFDAGDLKVYWAKLKSLLTANLPNNTGF
SLGFLYGIKQG

>comp9355_c0_seq1; 236 136 654 LEN=951; translated
MFGSYEGPSAKKKEKKNRPPKGFAQLPEWMDTTPHNTLDIEGDAAKRFSERQQAMIYKD
LADKADLEEKNGLSNKYRKGENGELIDNATGKTIDPKFDSRFSQDKKGDWFLDGKPIFGA
QYVVSIAAGNSYGHKDVSWKKPDWMKVKLNATKKAAMKRGSYLEKKSFPVPSA

>comp9355_c0_seq2; 176 136 564 LEN=1184; translated
MFGSYEGPSAKKKEKKNRPPKGFAQLPEWMDTTPHNTLDIEGDAAKRFSERQQAMIYKD
LADKADLEEKNGLSNKYRKGENGELIDNATGKTIDPKFDSRFSQDKKGDWFLDGKPIFGA
QYVVSIAAGNSYGHKDVSWKKPDW

>comp9357_c0_seq1; 137 139 515 LEN=515; translated
MAQGGGKLGKTGARKKSAGSQRRKNVRGAKKQNKGGSKVETRNGIVEATKMINKKNERL
IAAKAHNGHTKFKYLKELTEKGTYPVQRATPTNRMALCSPCRRQSLRLLTAILFLYSSQA
QTRANX

>comp9357_c0_seq3; 216 139 486 LEN=869; translated
MAQGGGKLGKTGARKKSAGSQRRKNVRGAKKQNKGGSKVETRNGIVEATKMINKKNERL
IAAKAHNGHTKFKYLKELTEKGTNESQRQVSIRNKKQKPTKLSDRLLQIDKLGR

>comp9358_c0_seq2; 155 107 235 LEN=863; translated
MSDDSKKPAPTFKEIMNKSAAASAIRGGTAGAVAMGANVAALMW

>comp9358_c0_seq3; 247 107 979 LEN=1183; translated
MSDDSKKPAPTFKEIMNKSAAASAIRGGTAGAVAMGANVAALMWMRTTVNYQYRNGGTFGLG
ALRHLIYADGGIPRFYRGVLPALVQGPMSRFGDTAANTGVLTLLNQIETTKDLPVAAKTVA
ASAAAAGWRIFLMPVDTVKTTMQVTGKFSAVTDKVKANGPLALYNGALAAASATFVGHYP
WFFTYNFLSATIPKQDDQLSELGRRAILGFCSAVSDTCSNSIRVCKVYKQSYPEQITYT
QVVRNVIQESGMSGLFFRGLGTKILANGMQGILFSILWKHFEEALFPKKK

>comp9360_c0_seq1; 379 63 662 LEN=960; translated
MKLTALILAAALPAATSFTFSIAQGLPIRRSVAKFTDDKVPEDAVTKAAEAALMAPNHFL
SEPTRMYDLGPEAVAKITALNEDKAKMFAGVPGWVFSVKTEHLDENGGISAKLALEDHA
TVACAAQNFMQSLAEDGVGTKWMTGALGVDPTIEIMKIAGAPEDEKMIIGVIWYGMPAKPLS
DITAPKRKISVDDALTKVA

>comp9361_c0_seq1; 315 323 1411 LEN=1520; translated
MTENEKITIRYPDDFHHHCRDGPPTASVLKHAYPRFRRLMMPNLKPPVTTIKLALLEYKE
RIMSALAQNGQDPAYFQPLMTLYLTDNTDPEEIRKAAAMKNSDGTPTIIACKYYPAGATT
NSAFGVSNVKAIYPVLEAMQEVGMMLCIHSEVTHADIFEREVPVIEEIMKPLVKDFPTLK
MTMEHISTKEAVEYVMNEAPSNIKASITPQHLYNHNHMLVGGIRPHLYCLPILKAEIHR
KALVEAATSGLPKFFLGTDSAPHPYAKFSACGCAGVFSAHCAVEIYCQVFDEAGCLDKL
EDFCSSWGADHYGLPRNTEMTLERKPKWVPVTYEFGRDKVTPLKFGDEVQWTIVSSFDK
KE

>comp9361_c0_seq2; 272 323 1521 LEN=1630; translated
MTENEKITIRYPDDFHHHCRDGPPTASVLKHAYPRFRRLMMPNLKPPVTTIKLALLEYKE
RIMSALAQNGQDPAYFQPLMTLYLTDNTDPEEIRKAAAMKNSDGTPTIIACKYYPAGATT
NSAFGVSNVKAIYPVLEAMQEVGMMLCIHSEVTHADIFEREVPVIEEIMKPLVKDFPTLK
MTMEHISTKEAVEYVMNEAPSNIKASITPQHLYNHNHMLVGGIRPHLYCLPILKEDNFR
VGSEDNTGKKEHKQHSCLVCDRLDATTSLQKAEIHRKALVEAATSGLPKFFLGTDSAPHP
YAKFSACGCAGVFSAHCAVEIYCQVFDEAGCLDKLEDFCSSWGADHYGLPRNTEMTLE

RKPWKVPVTYEFGRDKVTPLKFGDEVQWTIVSSFDDKKE
>comp9361_c0_seq3; 207 323 985 LEN=1809; translated
MTENEKITIRYPDDFHHHCRDGPPTASVLKHAYPRFRRLMMPNLKPPVTTIKLALLEYKE
RIMSALAQNGQDPAYFQPLMTLYLTDNTDPEEIRKAAAMKNSDGTPTIIACKYYYPAGATT
NSAFGVSNVKAIYPVLEAMQEVGMMLCIHSEVTHADIFEREPVFIEEIMKPLVKDFPTLK
MTMEHISTKEAVEYVMNEAPSNIKASITPQHLYNRNRRY
>comp9361_c0_seq4; 207 323 985 LEN=1919; translated
MTENEKITIRYPDDFHHHCRDGPPTASVLKHAYPRFRRLMMPNLKPPVTTIKLALLEYKE
RIMSALAQNGQDPAYFQPLMTLYLTDNTDPEEIRKAAAMKNSDGTPTIIACKYYYPAGATT
NSAFGVSNVKAIYPVLEAMQEVGMMLCIHSEVTHADIFEREPVFIEEIMKPLVKDFPTLK
MTMEHISTKEAVEYVMNEAPSNIKASITPQHLYNRNRRY
>comp9362_c0_seq1; 259 312 1229 LEN=1575; translated
MARSIWPSFTTYIVTIALLVVEAEAFTTAPECRRITNANKNIFGVQQLSMVAQMPTSNVT
IDDMMLADSVFVDEVNVEDAKYKDEDEEIEDLSTVDTMEIKKRLDLLPRMKGTPPEEYNM
VESYVNTLEDRTYTPVQTLDFLNLAMSGEWQLLFSTNLGSMRMNFRLESELFQRIEANSLN
GTVVNEATWSLAEDHTDPTPATSFFAFGKFSIKCSYSINQGARMVMELNDHVIELSKGSK
VPKDPEKLVGMLYRAIPTELFDPNHAMDTTYLDGDLRIVRMAGPKFESVRDIFIRRSI
EINPV
>comp9363_c0_seq1; 883 1 2229 LEN=2515; translated
PTLLNTAPQPPEESMEQEARRISLSQKQRQLSIRKLANASWSTPLPDIQEDECTLSDT
PQPPEDESMENFSEIQEEGLRTSETIFQDLNEPAENQEEWLAASEVMHQSLDETLGNQDL
RLGLALKLRPSLPEDVTNEIKRNFVVRKTKQLRERKKLIDGVKKRRELREPLGQLNQNTS
PPSTTSKTDVSKNHFNYEREAESNDNVTRGTYGSICKTDDAPSSKPNNTNARNKIQKLLG
EDMEKLEMI IQLQNDLYASKMECARLQMDKRGLRSKMVTDAETSLLRQQVSDLTSETQS
LREQLSKRKKQSEKQYENHRKDRKFDNSTELIAQAKIGLTKALNDASNLEAKIDDLEIT
VDDRERRLDDLYETIQRTETIEMMNLKDKDITLLRLSDNERQKLEEEVEALISANDGE
DTGETLRLRERERETWLWDREQQIEDARRELEDEDNRNLEREKFRHRQELDMLTEYADKK
KQIEEKQREMKDFVNQQIDDMMDVNHKLQERLANEREDCLEREEQDETIASLELEIDL
QTQLATQNRDEKELIYLRAAVESTKEELSDALAQNKKLEGIINEHGKIKIGTKKKKTSKGG
GKKKKSSQKKSSKDKSSKKSSKKNLSKKKSSKKTSSKMTSSKKTSSKKTSSKKTTPQKN
SKLKKSSKMPKSSDKNRGKKEAKKSKTFSKKKSKKTRKRRGSSDSDSLAVLKSVR
HVRNDDTWSSQIPVSIICSRMQ
>comp9364_c0_seq1; 390 198 1363 LEN=2600; translated
MNSHDGCLAEKKGITTLPTSSSPNXVSKDRSGKPVVEILLSVIQTYEKEISQALLGLS
TMLDAASEAEALARSRKQWNSIKCHGKLFSSKIEQRIQRTASCLEHDEHILKLLGNVSY
ISALPDGEVYGDDESNDTEPIEEKPSLRTGNGTNYRIPLRNKKVIDESETHSYDSATQI
WAHLVRDWTSEGRAIRRVIIDWCCQQMEIHCQNSSATVLPVPGSGMGRLAYDLYRRGFIVE
ANELSPSMAVAASSILRNQVSGFFHPYVLDGMANEVDSKRRFDSISFPDVP IQTIVSTGG
NSGMPNDCEGCGSLSYTVGDFVGNDDFYRRQRVAQF DAVVTCFFIDTGMLSVDLHMNC
SLSVFKLSLNF FITCSNQYLRIFGNNT
>comp9364_c0_seq2; 370 198 1396 LEN=2515; translated
MNSHDGCLAEKKGITTLPTSSSPNXVSKDRSGKPVVEILLSVIQTYEKEISQALLGLS
TMLDAASEAEALARSRKQWNSIKCHGKLFSSKIEQRIQRTASCLEHDEHILKLLGNVSY
ISALPDGEVYGDDESNDTEPIEEKPSLRTGNGTNYRIPLRNKKVIDESETHSYDSATQI
WAHLVRDWTSEGRAIRRVIIDWCCQQMEIHCQNSSATVLPVPGSGMGRLAYDLYRRGFIVE
ANELSPSMAVAASSILRNQVSGFFHPYVLDGMANEVDSKRRFDSISFPDVP IQTIVSTGG
NSGMPNDCEGCGSLSYTVGDFVGNDDFYRRQRVAQF DAVVTCFFIDTATNIYEYLETIR
KLLRPRTGVWVINGPVQWHHNAVLRPSVDELKDLIEAFGW
>comp9364_c0_seq3; 486 198 1421 LEN=2913; translated
MNSHDGCLAEKKGITTLPTSSSPNRFPRIGNNCNAVFFGT FVPLVFGVLAKLLIFLW
KGNLFSQRSLINEPPSAPLLPSGPSTVPVFLRDVNSGKPVVEILLSVIQTYEKEISQA
LLGLSTMLDAASEAEALARSRKQWNSIKCHGKLFSSKIEQRIQRTASCLEHDEHILKLL
GNVSYISALPDGEVYGDDESNDTEPIEEKPSLRTGNGTNYRIPLRNKKVIDESETHSYD
SATQIWAHLVRDWTSEGRAIRRVIIDWCCQQMEIHCQNSSATVLPVPGSGMGRLAYDLYRR
GFIVEANELSPSMAVAASSILRNQVSGFFHPYVLDGMANEVDSKRRFDSISFPDVP IQTI
VSTGGNSGMPNDCEGCGSLSYTVGDFVGNDDFYRRQRVAQF DAVVS
>comp9364_c0_seq4; 513 198 1559 LEN=2796; translated
MNSHDGCLAEKKGITTLPTSSSPNRFPRIGNNCNAVFFGT FVPLVFGVLAKLLIFLW
KGNLFSQRSLINEPPSAPLLPSGPSTVPVFLRDVNSGKPVVEILLSVIQTYEKEISQA
LLGLSTMLDAASEAEALARSRKQWNSIKCHGKLFSSKIEQRIQRTASCLEHDEHILKLL

GNVSYISALPDGEVYGDESDENDTEPIEEKPSLRTGNGTNYRIPLRNKKVIDESETHSYD
SATQIWAHLVRDWTSEGRAIRRVIIDWCCQOMEIHCQNSSATVLPVPGSGMGRLAYDLYRR
GFIVEANELSPSMAVAASSILRNQVSGFFHPYVLDGMANEVDSKRRFDSISFPDVP IQTI
VSTGGNSGMPNDCEGCGSLSYTVGDFVGNDDFYRRQRVAQF DAVVTCFFIDTGMLSVYD
LHMNCSLSVFKLKSLNFFITCSNQYLRFIGNNT

>comp9364_c0_seq5; 363 198 1225 LEN=2632; translated
MNSHDGCLAEKKGITTLPTSSSPNXVSKDRSGKKPVEEILLSVIQTYEKEISQALLGLS
TMLDAASEAEALARSRKQWNSIKCHGKLFSSKIEQRIQRTASCLEHDEHILKLLGNVSY
ISALPDGEVYGDESDENDTEPIEEKPSLRTGNGTNYRIPLRNKKVIDESETHSYDSATQI
WAHLVRDWTSEGRAIRRVIIDWCCQOMEIHCQNSSATVLPVPGSGMGRLAYDLYRRGFIVE
ANELSPSMAVAASSILRNQVSGFFHPYVLDGMANEVDSKRRFDSISFPDVP IQTIVSTGG
NSGMPNDCEGCGSLSYTVGDFVGNDDFYRRQRVAQF DAVVS

>comp9364_c0_seq6; 486 198 1421 LEN=2828; translated
MNSHDGCLAEKKGITTLPTSSSPNRFPRIGGNNAVFFGTFFVPLVFGVLAKLLIFLRW
KGNLFSQRSLINEPPSAPLLPSGPSTVPVFLRDVNSGKKPVEEILLSVIQTYEKEISQA
LLGLSTMLDAASEAEALARSRKQWNSIKCHGKLFSSKIEQRIQRTASCLEHDEHILKLL
GNVSYISALPDGEVYGDESDENDTEPIEEKPSLRTGNGTNYRIPLRNKKVIDESETHSYD
SATQIWAHLVRDWTSEGRAIRRVIIDWCCQOMEIHCQNSSATVLPVPGSGMGRLAYDLYRR
GFIVEANELSPSMAVAASSILRNQVSGFFHPYVLDGMANEVDSKRRFDSISFPDVP IQTI
VSTGGNSGMPNDCEGCGSLSYTVGDFVGNDDFYRRQRVAQF DAVVS

>comp9364_c0_seq7; 493 198 1592 LEN=2711; translated
MNSHDGCLAEKKGITTLPTSSSPNRFPRIGGNNAVFFGTFFVPLVFGVLAKLLIFLRW
KGNLFSQRSLINEPPSAPLLPSGPSTVPVFLRDVNSGKKPVEEILLSVIQTYEKEISQA
LLGLSTMLDAASEAEALARSRKQWNSIKCHGKLFSSKIEQRIQRTASCLEHDEHILKLL
GNVSYISALPDGEVYGDESDENDTEPIEEKPSLRTGNGTNYRIPLRNKKVIDESETHSYD
SATQIWAHLVRDWTSEGRAIRRVIIDWCCQOMEIHCQNSSATVLPVPGSGMGRLAYDLYRR
GFIVEANELSPSMAVAASSILRNQVSGFFHPYVLDGMANEVDSKRRFDSISFPDVP IQTI
VSTGGNSGMPNDCEGCGSLSYTVGDFVGNDDFYRRQRVAQF DAVVTCFFIDTATNIYEY
LETIRKLLRPRTGVWINVGPVQWHHNAVLRPSVDELKDLIEAFGW

>comp9364_c0_seq8; 363 198 1225 LEN=2717; translated
MNSHDGCLAEKKGITTLPTSSSPNXVSKDRSGKKPVEEILLSVIQTYEKEISQALLGLS
TMLDAASEAEALARSRKQWNSIKCHGKLFSSKIEQRIQRTASCLEHDEHILKLLGNVSY
ISALPDGEVYGDESDENDTEPIEEKPSLRTGNGTNYRIPLRNKKVIDESETHSYDSATQI
WAHLVRDWTSEGRAIRRVIIDWCCQOMEIHCQNSSATVLPVPGSGMGRLAYDLYRRGFIVE
ANELSPSMAVAASSILRNQVSGFFHPYVLDGMANEVDSKRRFDSISFPDVP IQTIVSTGG
NSGMPNDCEGCGSLSYTVGDFVGNDDFYRRQRVAQF DAVVS

>comp9367_c0_seq1; 252 1 1418 LEN=1418; minus strand; translated
XPENQDILELLKKKIATQGLDIRDAKESNQGRSMMGKLGRRARQRLIRDIVEAMDDVNAL
NFRQIQSSIFFLTGYESYLLAKVVEVLKIALDSFYLGQVARVFDRVVPDLNVSRTKR
KMKKSRKRELYQILKYAFRNQNVARIVVQNLEFGFDFESHWFDKVCNSRWYDARGQFPMS
ENITSSHDLVKKFWKRVPNRFAAQNLPAGLNEFISSKRHQFGTHIGRMITNEFRVENRLP
VDESIVYSFVVSPIPTMINSQVHVLRQLAKHWNVDLAQPFGNWTHHPMEQLDPFRTRMF
YIPNVCIVLSSLRGRNKWDIDVLGPFIFKQCQLPTSSTAKECLNLAKEMRSKI IHEL CAG
VISIKNPLSSWLKAIQESCIQIEKDSKAIYEEVTGVEIGLRFGFDLITQVSWKVPPDAEL
EHAISLHLQKYPGEVVTQRNIRALLSVTPRSSRTMLGLSKLDELGSKPMRV

>comp9368_c0_seq1; 398 140 1570 LEN=1718; translated
MILPSTQTKLFFSSKMDLPGKPLRPLKRRITTVDPDDLIGVDEVQGRTRNTKTKRKRKT
GAVTPSPSSPIRMKKKSVRWGDRKTVLSSFNPGDLWYTADNYNAFMLDRISSIEAHRSTN
HSRTILTNDNNSFSRKHCI RGLEAFQENDSNKIYNSRKKLHYSTIFTEQARQKMMGINK
PERYRSLVALRSDMALRRAQELAAHDEREVYAFRTRSSMSQYSSVDNPSNLRRIRMQELK
SIPNDRSALS DLTRQEYLN SNGRSTLENGVGSIKTRHNFSPIDIIGSCDSSVISVSTASS
IKSMESESSADSLFSEKILELQQRNARRLMEIYYPNRYQTGEDDVKKLFRFSNRQRVVG
DIPSGTRCNP IRAAPSTFAKSTVGVNTPFRSNAMTVGDT SNEITSSAKIIMMEMQRRRRF
QENFQQQLQEVHEL TNTRPIFINHGSAESNVTRNHQLTTSFFESSTIPATPASNLW

>comp9368_c0_seq2; 330 883 1734 LEN=1882; translated
MALRRAQELAAHDEREVYAFRTRSSMSQYSSVDNPSNLRRIRMQELKSIPNDRSALS DL
RQEYLN SNGRSTLENGVGSIKTRHNFSPIDIIGSCDSSVISVSTASSIKSMESESSADSL
FSEKILELQQRNARRLMEIYYPNRYQTGEDDVKKLFRFSNRQRVVGVDIPSGTRCNP IRA
APSTFAKSTVGVNTPFRSNAMTVGDT SNEITSSAKIIMMEMQRRRRFQENFQQQLQEVHE
LTNTRPIFINHGSAESNVTRNHQLTTSFFESSTIPATPASNLW

>comp9369_c0_seq1; 197 96 971 LEN=1264; translated
MNI F S I L V V F M C V A H Q S A A F S T G G I P T T G S T R V R Q S N L C S S I G G A N A G E E W N G E V V S S G T
I R G C I V T Q V G E S V T E W V I Q I D G V E A D L G R F S E A I Y K Q I T N D A K R Q S F Q G F R A G T I P P Q L L
K T Y R A Y A M D E C A R E T V L E A M Q Q N N I R P F T N A R E E I R I E E V S I P P P K Q K G K K K K K K K K T K I
S F E E Y E A I T N A I A C H L R A L E E E Q I E K S V G G A I T D Q T Y W T W K Q A S D W Y L E Q V E R D I G D S V E
Q L D A M R K K V N L V I K R L I E V D R I L V T V G D V P R S K K E E G K T L L A V H P N Y E I S X W
>comp9371_c0_seq1; 1331 279 2765 LEN=3030; translated
M A Q N S I A S E S L E T A P T V P Q I G K Y G T I L E A A F V D P A Y Q W P S P E G V G K N A I E L Q A S I S M M V D
D N E S V K T T A S Q K E R M T I P E N P A H A K K K Q T K G G R W W K C C G R S G G S A I L S L A E Y E Q A K K S A
M K E R K L H Y A H K K A R A R E L R M K E R Y N R V P E G I L I Y R L D T A T Q T I S L M S A T H D K T D Q E T L V R
E I T L V S A R P S P D K S R R G M V I T G V V K N E N E E G E N A G G N G N D G E G D V K V D V D V D D D A S
G K S K G T K K K K K K D D V K E I T L V A C E Q R T A I A W L E A I D L M L A N K Q R M G S T F K K S Q K S N G W N
K K N L S G P E L D Q I E G Q Y L N L A S Y S N K L I R A N K G G K K G G A G S A A G M Y S I E K N T E E G K D E Q Q
I F E E E A L E S I A K R R A V I K D S W D F Y R M I C S L L R D R R K Y N E V F R K L Q L D P V Y P Y L Q S M T G L N
D P G E A G Y V N T D K E V I Q R D F D R Y Q Q M T R T Q V A E D L T K Q A E K A L P S L V E I C K A L A G S L G M E E
V G I G P V K E T Q A A L K K A E K K Y D G D L L K I T D F C R A L L V V K D L P S L L A L L E L A R D S F G P L I R R
V K L S S L K S D H S P L P G G Y R H C I I N V E L K E H I C E I Q V H L W P M W L V C G V D G F R H Y R H C V E Y N T
D S F E N A F D A L E G L D R K T M A E L I V M A E E A V A E T P L E S L E W F Q E K F I L D Y F A E V G L F M K H G I
Y V W A E I T L R T L V R L R T E S P D I G P D H H E T I L L Y T Y L E K V L R S L G Q Q K E A K E I Q K R I L D H D K
R L R S E K D E A E T S L W D M V M A A P T E A I D M I M D P N K K E R E E E E K L R K E V K A S K R Q W R T I R K E R
F A F L D A N Q S S G E A T T S G A A S T L G M G S V T T A G Y G R L E E K K L D A D A E D S M
>comp9371_c0_seq2; 468 279 1195 LEN=1195; translated
M A Q N S I A S E S L E T A P T V P Q I G K Y G T I L E A A F V D P A Y Q W P S P E G V G K N A I E L Q A S I S M M V D
D N E S V K T T A S Q K E R M T I P E N P A H A K K K Q T K G G R W W K C C G R S G G S A I L S L A E Y E Q A K K S A
M K E R K L H Y A H K K A R A R E L R M K E R Y N R V P E G I L I Y R L D T A T Q T I S L M S A T H D K T D Q E T L V R
E I T L V S A R P S P D K S R R G M V I T G V V K N E N E E G E N A G G N G N D G E G D V K V D V D V D D D A S
G K S K G T K K K K K K D D V K E I T L V A C E Q R T A I A W L E A I D L M L A N K Q R M G S T V S Y T S S E G S F G
Q Q R F R X
>comp9371_c0_seq3; 840 1 1637 LEN=1902; translated
X L A C H Q F K K S Q K S N G W N K K N L S G P E L D Q I E G Q Y L N L A S Y S N K L I R A N K G G K K G G A G S A A G
M Y S I E K N T E E G K D E Q Q I F E E E A L E S I A K R R A V I K D S W D F Y R M I C S L L R D R R K Y N E V F R K
L Q L D P V Y P Y L Q S M T G L N D P G E A G Y V N T D K E V I Q R D F D R Y Q Q M T R T Q V A E D L T K Q A E K A L P
S L V E I C K A L A G S L G M E E V G I G P V K E T Q A A L K K A E K K Y D G D L L K I T D F C R A L L V V K D L P S L
L A L L E L A R D S F G P L I R R V K L S S L K S D H S P L P G G Y R H C I I N V E L K E H I C E I Q V H L W P M W L V
C G V D G F R H Y R H C V E Y N T D S F E N A F D A L E G L D R K T M A E L I V M A E E A V A E T P L E S L E W F Q E K
F I L D Y F A E V G L F M K H G I Y V W A E I T L R T L V R L R T E S P D I G P D H H E T I L L Y T Y L E K V L R S L G
Q Q K E A K E I Q K R I L D H D K R L R S E K D E A E T S L W D M V M A A P T E A I D M I M D P N K K E R E E E E K L R
K E V K A S K R Q W R T I R K E R F A F L D A N Q S S G E A T T S G A A S T L G M G S V T T A G Y G R L E E K K L D A D
A E D S M
>comp9372_c0_seq1; 366 493 1488 LEN=2274; translated
M T V R E A I N E G L D E E M E R D E A V F I M G E E V A Q Y Q G A Y K V T K G L Y Q K Y G E K R V I D T P I T E A G F
T G M A V G S A L Q D L R P V V E F M T I N F S M Q A I D H I V N S A A K Q Y Y M S G G D L A V P I V F R G P N G Y S A
G T A A Q H A Q C F A A W F G A I P G L K V V S P Y S S E D A K G L I K A A I R D P N P V M V L E H E L M Y G V S F P M
S D E A Q S K D F V I E I G K A K I E R E G T D V T I I S Y S K E V G K C L E A A D E L A A K G I S A E V I N L L S I R
P I D R E T I F A S I K K T G R C V S V E Q G F P Q H G V G A E I A G M I M E T D T F N Y L D A P M E R V T G A D V P T
P Y A I E L E E Q A F P Q V N D I V A A V E R T T Y R S I A A
>comp9372_c0_seq2; 374 100 1197 LEN=1983; translated
M F S S S V S R M A L G G R A S A A I A R G K N A F V R G F A T K E M T V R E A I N E G L D E E M E R D E A V F I M G E
E V A Q Y Q G A Y K V T K G L Y Q K Y G E K R V I D T P I T E A G F T G M A V G S A L Q D L R P V V E F M T I N F S M Q
A I D H I V N S A A K Q Y Y M S G G D L A V P I V F R G P N G Y S A G T A A Q H A Q C F A A W F G A I P G L K V V S P Y
S S E D A K G L I K A A I R D P N P V M V L E H E L M Y G V S F P M S D E A Q S K D F V I E I G K A K I E R E G T D V T
I I S Y S K E V G K C L E A A D E L A A K G I S A E V I N L L S I R P I D R E T I F A S I K K T G R C V S V E Q G F P Q
H G V G A E I A G M I M E T D T F N Y L D A P M E R V T G A D V P T P Y A I E L E E Q A F P Q V N D I V A A V E R T T Y
R S I A A
>comp9373_c0_seq1; 220 895 1539 LEN=2094; translated
M N N K K Q H Q H Q T R S R K K S R G S R K T G S R S A S S P S F W M K M K L P G S R R S L V D Q V P P K V L F S I A
V S A F C L A V I F L S R F D C F H V H R G V F S N I K D L E Y T G R Q E R V K G Y M D H F F K V Q A K R V L D D E A K
A L M A A H P H I R L D D L D L D V I L S A E D I G I D G N A L N R M D V A K A G S T G H A D L G G A M T S V G R S A G
E E L V I Q I T G D M V R S G L A K L A E S M P M P E K K A C S S E
>comp9373_c0_seq2; 220 718 1362 LEN=1917; translated

MNKKQHQRTRSRKSSRGRKTGSRSSASSPSFWMKMKLPGSRRSLVDQVPPKVLFSIA
VSAFCLAVIFLSRFDFHVRGVFSNIKDLEYTGRQERVKGYMDHFFKVKQAKRVLDDDEAK
ALMAAHPHIRLDDLDDVILSAEDIGIDGNALNRMDVAKAGSTGHADLGGAMTSVGRSAG
EELVIQITGDMVRSGLAKLAESMPMPEKKACSSSE
>comp9374_c0_seq1; 342 131 1507 LEN=1680; translated
MAAAALSTGADGSNQEQESSHAWAENAVQEDADGRIIVAGGDTTADIIRKRRKRL
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PLSHLGFVILKGGAEVLTNLSSSSKTHKLALKNLSKIGLDGSSGGGFEFSLQNGLEVAGR
SLGHQPRHGSREIMIVCGALSTCDPGHILTETLPRMAANIRVSTFALAAELHICR KIAE
VTGGAMGVCLDKGHRDWLLEQCVPPPAIRKELLDGCEMIQMGFPERKKSEIPTLVHAT
RDTKLLARTAYTCPQCRAMIQELPADCVVCGLKLVLSPHLARSFHHLFPVAPFSELPSPF
KKKSNETSSSKIAPLPVSSSVLDSKLRSLSTAEATSCFACLRLIGVPSRSNRASGGEDE
GKEILRFRCPECLNSFCVDCDSYLHDALHNCPGCLQMS
>comp9374_c0_seq2; 271 131 1066 LEN=1786; translated
MAAAALSTGADGSNQEQESSHAWAENAVQEDADGRIIVAGGDTTADIIRKRRKRL
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SLGHQPRHGSREIMIVCGALSTCDPGHILTETLPRMAANIRVSTFALAAELHICR KIAE
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>comp9374_c0_seq3; 224 131 1660 LEN=1833; translated
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PLSHLGFVILKGGAEVLTNLSSSSKTHKLALKNLSKIGLDGSSGGGKYAFREIKLDTDF
PQKKWKE SMVHRMKNNGRNLNYWCFEMLFMOWNPTRSEFSLQNGLEVAGRSLGHQPRHGS
REIMIVCGALSTCDPGHILTETLPRMAANIRVSTFALAAELHICR KIAEVTGGAMGVCL
DKGHRDWLLEQCVPPPAIRKELLDGCEMIQMGFPERKKSEIPTLVHATRDTKLLARTA
YTCPQCRAMIQELPADCVVCGLKLVLSPHLARSFHHLFPVAPFSELPSPFKKSNETS
KIAPLPVSSSVLDSKLRSLSTAEATSCFACLRLIGVPSRSNRASGGEDEGKEILRFRC
ECLNSFCVDCDSYLHDALHNCPGCLQMS
>comp9374_c0_seq4; 173 131 634 LEN=1939; translated
MAAAALSTGADGSNQEQESSHAWAENAVQEDADGRIIVAGGDTTADIIRKRRKRL
EQNDYAQRNRRVVRDMIRYVYVLIDCSRWSRQKDQVLGGTKLDVTMQLLQEFVQYDYQN
PLSHLGFVILKGGAEVLTNLSSSSKTHKLALKNLSKIGLDGSSGGG
>comp9375_c0_seq1; 674 342 2705 LEN=3093; translated
MPPPIASTPTRRREAGWRDSSHSHGHGRGLSYPGDYDVMSPNPYGSASSMNRGPRPPAPGS
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GAHFWGPPPSLHDGYRGGPSHESLRGAPNGHTPHPNQHPHRTPPRRPYPGDQVGLSEPT
ISPSSSGEHHSLVHHHQKDFSPSPPGATGRQAPGNRGVQVSVSASADSEEATTLGSSS
AAANTVTPNKGGRNDASDAEDAEMGDGDSGSKQGTDKKGDPLRVLADVSAGMGKKNKNKN
KSKNKQSNR NAPEPTGETTGATNSREGSDAETAASATSSP SAAASRPSVMPAPTSPLH
RRFKPSPITPSQTPQVRAVVDKSRTPATTRKHQPIPTSRSHDTASTAETSQPPLQMGW
EPPPLPHGGSGSSSGEMFPAHPAHEQYSNASQQAGPYRPSAPRRNRPAMHYGGPGEFG
QPAYPADSPALVERGSFSDSHGDASTYRGASMYPPPSTPNSSRGAYFYDDHPPPPPGYGS
AGAGPHWENPGQSPYSPSYPPPGRGAGGNPPHPPPHTHSDPYYPAPPHHGPPPEYSY
PPPPHYGGPEDHDLPHYGGTAPPLHP SYHHRGGPPLPMPGPHHPGMP IPPPHMMGGPPP
PYHYGHPPRMEKTI LRKKFSWKHYPELERFLIANRDEYLKHSNMNYTAEQKQYNNWLTE
RLLEVAGQHNYMFDPDDFNFVAIRDRI RCYYSYVQTARKRGLKLPKALKNKIAAATT
EGSGKKE
>comp9375_c0_seq2; 162 139 390 LEN=778; translated
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LPKALKNKIAAATTEGSGKKE
>comp9376_c0_seq1; 331 223 873 LEN=1595; translated
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TATAVNSESSQREKTSSCGDNDGNTSTTTADADADADADAGTDTAQAQRKQPSPAIT
RSRSLSTENNRGKEAGDTQEEEDAEDSKPPAKPNERW
>comp9376_c0_seq2; 371 223 1272 LEN=1415; translated
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TATAVNSESSSQREKTSSCGDNDNGTNTSTTADADADADADAGTDTAAQDRKQPSPAIT
RSRSLSTENNRGKEAGDTQEEEDAEDSKPPAKPNERWRVHQAEDYTTLVGRMMYPVTQF
NNYGYDPLMRQYPMEKIISLLSFIQSPLRRPTII EKWSPYEIAVFEGLFHYGKEFREVS
QIGTKTTREVIDFYIWKKTGHYKWKKEQFISDEDLLYDYHVPVKKPKR
>comp9377_c0_seq1; 401 1 1361 LEN=1361; translated
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AVAAAAAPA AVSTAGDRLPPTNVSESRSRKPGRGRNKAERKKTRRRSNGAGNATETEFA
DFVSLAIAEAELEKAKRTTVHHPPTPRVSVSPDPEEQQQQQQHHWQOREPQRGTGLPVRP
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IAAPGRRKGRNLAPVPPRAPSVASVPEPPSGRITAARSRADHHPSTHPSLVPDAGCCRDL
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>comp9377_c1_seq1; 829 371 2710 LEN=2907; translated
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SPPPQPTFEPHFHLVDSTFPWAIGSTDGSVAVVRLKDQQQQLLQQQQQQQQQLQNDSSNT
NEDLVSDGAVIGPADDGQGIQNGNPGVSPAQAAPTAEEAAIGQAVAVINAGRSLYHDKLF
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ERSNERHKLSPALCKRAKDANDVVVVTGHTPNGAEALKTSLSNVRTAVAVPVCHEVSNT
NVTIIYFSLRRIILKPAAVEFLIHMSLSAAVTSVNSLDTDGLLDRAEGVRTDQDGRAAVM
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WIHTAVFDGKPVVVKTLRPECQDSAMALHEIEAEVAVHSRLNHPNIVRVIGAGWTSKKIR
FIVLERLDGGTTLTQLLGYDTRIRDKRGRFWGKKPKQSYLDVLR CARSLACALQYCNEQAI
PGSMVLHRDLKPDNIGFTLDGQVKLIDFGLARLVENANPESNETYQMSGETGSLRYMAPE
VADRLPNHKADVVSFGIILWEMNAGKRPFNGLSRETFFYENVVHGGGERPHLSKRWPPELN
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>comp9377_c1_seq2; 751 371 2874 LEN=3071; translated
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ERSNERHKLSPALCKRAKDANDVVVVTGHTPNGAEALKTSLSNVRTAVAVPVCHEVSNT
NVTIIYFSLRRIILKPAAVEFLIHMSLSAAVTSVNSLDTDGLLDRAEGVRTDQDGRAAVM
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WIHTAVFDGKPVVVKTLRPECQDSAMALHEIEAEVGGALS LCCRAGFSYVLPWWIILYYP
AECSRSLACVAFFSSCSHNLFRFVLILATAVHSRLNHPNIVRVIGAGWTSKKIRFIVLER
LDGGTTLTQLLGYDTRIRDKRGRFWGKKPKQSYLDVLR CARSLACALQYCNEQAI PGSMVL
HRDLKPDNIGFTLDGQVKLIDFGLARLVENANPESNETYQMSGETGSLRYMAPEVADRLP
YNHKADVVSFGIILWEMNAGKRPFNGLSRETFFYENVVHGGGERPHLSKRWPPELNKLISS
WSTDIDERPSFRQIVDAIDILLTSEKGGILEGKTGKALKSFAKIIDRHSTWFXW
>comp9377_c2_seq1; 211 424 778 LEN=1049; minus strand; translated
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>comp9378_c0_seq1; 378 57 1725 LEN=2758; translated
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NQQADGGTKAKTLPDERQPKIHAIELPLFAAYTTYFGYAVLIFCGHVRDLFAKILGQGRY
LRHTDASPYPSSDLLRWYAPLLASWENFYTRRLYHRIQDCFNRIASSPGANIHVLERVSS
DGNKTM SVLGTQLQELDTDRQRREYTDPNFGNRSRSHFVEATAIDPNGSDHNQTGRAARAC
LNLGSYNYLGFADDWKETCRDDVLASLKDLPISNSSCRNEFGTTKLHREVEDTVARFLNK
EDALALNMGFNTNCTTIPALTSRGLLISDELNHTSIVNGARASGAAIRIFRHNDTQHLE
EILRQAIIMGRPRTRRPWNKIMVIVEGIYSMEGEYCDLANVVTVCKKYGAYVYLDDEHSI
GAMGPTGRGCAEYCGVDTADIDIMMGTFTKSFGAMGGYIAGSKDVISFLRRRCAGSTFHN
SLSPA VCQ QESPASG
>comp9378_c0_seq2; 407 57 2087 LEN=2592; translated
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NQQADGGTKAKTLPDERQPKIHAIELPLFAAYTTYFGYAVLIFCGHVRDLFAKILGQGRY

LRHTDASPYPSSDLLRWYAPLLASWENFYTRRLYHRIQDCFNRP IASSPGANIHVLERVSS
DGNKTM SVLGLTQLQELDTDRQRREYTDPNFGNRSRSHFVEATAIDPNGSDHNQTGRAARAC
LNLGSYNLGFADDWKETCRDDVLASLKDLPISNSSCRNEFGTTKLRHREVEDTVARFLNK
EDALALNMGFNTNCTTIPALTSRGDLLISDELNHTSIVNGARASGAAIRIFRHNDTQHLE
EILRQAIMGRPRTRRPWNKIMVIVEGIYSMEGEYCDLANVVTVCKKYGAYVYLDEAHSI
GAMGPTGRGCAEYCGVDTADIDIMMGFTTKSFGAMGGYIAGSKDVISFLRRRCAGSTFHN
SLSPAVCQQVITSFRVVMGEDGTSTGRKKIQALRDNSNYFRMLQTMGLHVLGHYDSPIM
PVMLYNPTKIAAFSRECFKRGLAVVVVGFPAVPILESRARFCISAGHTREQLDRAL E E I E
EVADILKLR YARSTFG

>comp9380_c0_seq1; 404 89 2060 LEN=2369; translated
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LSYKIDQKNSYCHTTNFDIKLSQRRRPRRGRELLYREERAKSGENQTQVVLRLSKTDVMV
RNIMIPFLSPPERTVLFDIPEWRNIFRLENHFCPKHGNEYKPDCKIFRSAAESAKKKSNG
SRKTKKRYFDYKIDILEEIIHDGRDPIVFRNKLAYRTQFPFPHMVGNKSVNQPEVSLFEDP
DYGSYFCKMKKCMACEKEADV RQMGKQGLGKCTFCSRFCDFRKQRRCAKDHC DRILPCSN
CPETVANKSSYQCNHCLAEFCTDCHETYSCTMCETSICDGCHETSGLDFHKCSLCENTMC
SKCDATYSCEHCGKCFYHCRDGGAMNCGAAMPSSVTNVCRRNCAIFVGNASVWNAARR
TTWSVRCAEVALARTAQRSTTARFAINPSATDAETNARPLRTPAAKNARTWSAAATASER
LRAATAASSPAWCVPGKSNDAARRAAGFRATTAAGRRLVRAATSTTARTAAWNARRPAPTV
GAACALPATCTLPRRRWGHARAAGIGIASTVASMPVARRVRECFAQSVSLFVRSRR

>comp9381_c0_seq1; 396 121 1749 LEN=2358; translated
MISRQLFDAMHRKSLSDARYGCGDGNSEGETQASLRRLNAIDLVLVYGLGSAVGAGIYI
LAGIGAKLAGPAISLSFLGCGLSCTLTALAYA E FSSLIPASGSAYIYTYVAFGEVYAFCV
GWNLILGYGFTASVAARAWADYVGD F MVKATGADWIIPYFTEVLFFPSVLGEDYTCSPLS
VVIVIVSTIVLLRGAKDSSTFNLICITNLFILALIVVSAVTSGSIEPTDNLTPFAPSGM
PGILRGAGLVFYAFIGFDMVASLSEEVVHPERNMPIGIVGSLLLSTLIYCGVTLAVVGMT
PLSFLGETTPLVNAILANACCTHSEQMEVVQSENEVDGVCLKDCPAFEKPM LAFVSRVVS
GGAGFGLMAACFTSLMGQPRIFYRMALDGLWFLFARVNPETQTMSEGILMTGFVAALIA
CFVPLEALANLISLGLTMVFTFVDAGVILLRLGNVSEKISQSDVDYENTTANEAGAKSP
VTANNPQKR VIRLLILFTASVLGASFILSHNLLGSSSSRAPLLFFAGIALLCGVLICYP
DSW

>comp9381_c0_seq2; 179 1 507 LEN=1116; translated
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>comp9382_c0_seq1; 284 939 2666 LEN=2955; translated
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SAGEEIFLNYGH CERERTSGDGD D D NSGDEGDWQSKMYYP SDFREAAIRFRFFEPFGNKP
WPTKNVTKTLLSMIDSDSDSDAKPKFVLKILSKAFPKRDVILKKLSQYSKADKEYRKEFR
REMARGVLEPRDTQWIRKNGICLEHLIPKRSTLPNAGLGGFSQYGIRKGEIVVPTPVLQT
VHKEILTLYQRGVNVREDPEKYKLG TGLLYNYCFGHKSSMLLCPLTSAMLINHCSKRTQ
ACGPNGPNVVRWSSGWD E T S H E W R T K S L D E I D K K F G R I L S F E I V A T R D I A P G E E V F I D Y
GEDWENAWQKHLEAWHPPEKIANFVTVQEANHKQEP IPEYLISGDLRKTVEHPYLF LGCQ
YSTNEEDDYGEKWKYKSETPWRDLTDNEILEKYSDEAGDIGYNDATGYINHAEYSHWPCS
VLNANDEDGRVITYTVRIHQSP LRSDF TETT VWAKNNVPRILTDYRRENIHFFVKPDSQDH
MLPGAFRHHVGVDPDGIFPEQWKNLKL AGKAIKETE

>comp9382_c0_seq2; 274 800 2629 LEN=2918; translated
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SGDEGDWQSKMYYP SDFREAAIRFRFFEPFGNKPWPTKNVTKTLLSMIDSDSDSDAKPKF
VLKILSKAFPKRDVILKKLSQYSKADKEYRKEFRREMARGVLEPRDTQWIRKNGICLEHL
IPKRSTLPNAGLGGFSQYGIRKGEIVVPTPVLQTVHKEILTLYQRGVNVREDPEKYKLG T
GLLYNYCFGHKSSMLLCPLTSAMLINHCSKRTQACGPNGPNVVRWSSGWD E T S H E W R T
KSLDEIDKKFGRILSFEIVATRDIAPGEEVFIDYGEDWENAWQKHLEAWHPPEKIANFVT
VQEANHKQEP IPEYLISGDLRKTVEHPYLF LGCQYSTNEEDDYGEKWKYKSETPWRDLTD
NEILEKYSDEAGDIGYNDATGYINHAEYSHWPCSVLNANDEDGRVITYTVRIHQSP LRSDF
TETT VWAKNNVPRILTDYRRENIHFFVKPDSQDHMLPGAFRHHVGVDPDGIFPEQWKNLKL
AGKAIKETE

>comp9382_c0_seq3; 275 481 2508 LEN=2797; translated

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SLDFRMAEDTVRDGLVGYDSPGRGAFSYTVGRDFYATRELSAGEEIFLNYGHCCERERTSG
DGDDDNSGDEGDWQSKMYYP SDFREAAIRFRFFEPFGNKPWPTKNVTKTLLSMIDSDSDS
DAKPKFVLKILSKAFPKRDVILKCLSQYSKADKEYRKEFRREMARGVLEPRDTQWIRKNG
ICLEHLIPKRSTLPNAGLGGFSQYGIRKGEIVVPTPVLQTVHKEILTLYQRGVNVREDPE
KYKLTGGLLYNYCFGHSKSSMLLCPLTSAMLINHC SKRTQACGPNPNAVVRWSSGWDET
SHEWRTKSLDEIDKKFGRILSFEIVATRDIAPGEEVFIDYGEDWENAWQKHLEAWHPPEK
IANFVTVQEANHKQEP IPEYLI SGDLRKTVEHPYFLGCGYSTNEEDDYGEKWKYKSETP
WRDLTDNEILEKYSDEAGDIGYNDATGYINHAEYSHWPCSVLNANDEDGRVTTYTVRIHQ
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WKNLKLKAGKAIKETE

>comp9382_c0_seq4; 248 163 1682 LEN=1971; translated
MAIANXERTSGDGDDDNSGDEGDWQSKMYYP SDFREAAIRFRFFEPFGNKPWPTKNVTKT
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PRDTQWIRKNGICLEHLIPKRSTLPNAGLGGFSQYGIRKGEIVVPTPVLQTVHKEILTLY
QRGVNVREDPEKYKLTGGLLYNYCFGHSKSSMLLCPLTSAMLINHC SKRTQACGPNPNA
VVRWSSGWDETSHEWRTKSLDEIDKKFGRILSFEIVATRDIAPGEEVFIDYGEDWENAWQ
KHLEAWHPPEKIANFVTVQEANHKQEP IPEYLI SGDLRKTVEHPYFLGCGYSTNEEDDY
GEKWKYKSETPWRDLTDNEILEKYSDEAGDIGYNDATGYINHAEYSHWPCSVLNANDEDG
RVTTYTVRIHQSPLRSDFTETTVWAKNNVPRILTDYRRENIHFFVKPDSQDHMLPGAFRHH
VGVDPDGI FPEQWKNLKLKAGKAIKETE

>comp9382_c0_seq5; 284 1060 2787 LEN=3076; translated
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SAGEEIFLNYGHCCERERTSGDGDDDNSGDEGDWQSKMYYP SDFREAAIRFRFFEPFGNKP
WPTKNVTKTLLSMIDSDSDSDAKPKFVLKILSKAFPKRDVILKCLSQYSKADKEYRKEFR
REMARGVLEPRDTQWIRKNGICLEHLIPKRSTLPNAGLGGFSQYGIRKGEIVVPTPVLQ
TVHKEILTLYQRGVNVREDPEKYKLTGGLLYNYCFGHSKSSMLLCPLTSAMLINHC SKRTQ
ACGPNPNAVVRWSSGWDETSHEWRTKSLDEIDKKFGRILSFEIVATRDIAPGEEVFIDY
GEDWENAWQKHLEAWHPPEKIANFVTVQEANHKQEP IPEYLI SGDLRKTVEHPYFLGCG
YSTNEEDDYGEKWKYKSETPWRDLTDNEILEKYSDEAGDIGYNDATGYINHAEYSHWPC
VLNANDEDGRVTTYTVRIHQSPLRSDFTETTVWAKNNVPRILTDYRRENIHFFVKPDSQD
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>comp9383_c0_seq1; 469 329 1453 LEN=1677; translated
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YDLAQAVFERCSDGTSPNDDSNSSADGGTGSIDAPIASNLKILVNNAGVYSEDFVRTEDG
LELTFAVNVLAPFILTSMLLPMLLANGSNSSRSRIRIVASSVSQSWKLPKNYWDDPQYRK
RSYSAHGAYSESKLLDAMLT IEMAHLRHLDLGIDTISIVTCNCLDPGTVNTKMLLDGWGPI
GIPVENALDETWCCTSTELEGTSGQYFVGRSSRRASGCAYDSFHREKLWQTL SALAPRAA
AEWDRAVDLYSTK

>comp9384_c0_seq1; 923 41 3880 LEN=4060; translated
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QTSGGTSSMNTGSDIDGEEFFDTRMDSYTVNSPTPKAVPKSTTASESKTERASSTLKT
SRPPLVSVIMTDVPSNNVNAPTASPAGQSTFKFDKEHDKFHIGSSPPKFGSPGKKVRS
QHRSKTKTPYLATQGENHNDVSPLSDMGSVSGTTPFHPSTKSKPISTGEHPAAQNTENAA
PFFSPVPEFHAPHAFVGNSTRRIPSPHNIMQNDPSPEAASRRQTAPPGMASAAAAASQS
LRNSASINPGTTPDQPGATRVNPNTADTAETF IKKTRNTSTPPIVEAAAGATQQHNLFN
VDLGSNANQAKGKRRGNTLRKGLKKSASF TTRRTNGVFLDEIKETGTDDTAPTTE
SPSSGSAMSMDTSPIFSPPTNFGAGISENPAQFNMGVGGSNIRTRSKRKENGARRAQFH
RSQSEHVIHGPRSSFDANHLKHRSDILDLEKQKHYLAKNYRESTRVYSQAIQRYKV
DLFAHVPSKDLLAVLLWNRAASLFMVGAYESSATDARIGIHYVTDPRNSNPALISPDANP
VLRPKLYCRMGRSYLKLKGVEDANRAYEEAIQSATAIQDFHRRQNIIGHYDELEKIKTEA
TLERSEISRLSII LERISL SKRNEAAEAI SLIKKALVTANGSKDLHILKVKMLAESQRW
REVTSHERFAASNTKFDGCLNDDL SRLNPFPGVPVAKYLHADYFGDTKDDEMNGAELKL
KNDAAPEAMLRLYKEMPPYLRALRLEERYCNAEKCLSRLDKYLSDRAVVDGNKVYEDYK
WLDDERMKHRETETNRGFADNLFANAKYEEAAKIYDVCLHLDSGESTCAGRRLHAILHCN
RAACFMALKRFRDAMTECTAALKIYPRYLKAILRRARCYSRLDQTRQAENDFKLWLKIVE

QSKKNGNTGFLGANIFHGPDTIKTREVEEIQAELENDMLKAKAREEEAKARDERARKMFRE
RSQRWDSERSDFTSGSNGSGRANFSRENFYSSSSRRWDSRDQKSRKPNGEKPKNSKN
QNRHNGRNFRDHKNFYSLGLTNRSTEEVVRKAYKKKALKCHPDKNPDDPNAENFRVK
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>comp9385_c0_seq1; 611 294 2048 LEN=2280; translated
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SLLALLSDWVCFVAAAPSTFESNFGHTAASIIDIFLFTNVATSFLVTDITISKFGLQRAI
QGAAVLMTAGCWLRSFGFGLPIDFRIGGVETGNILVDYPLIVAGTVLVGIAQPPFFQCTP
PLLSAKWFANNERSTSTAIALNFNQIGIATAFLVGGGMATDTVGLENYLGIIACTTTLVT
IGTLLQFQNEPPYPPSSSELEKLIKGEPPFLESVQKFFATKGFPRAVAAAFICISITN
VVGTFIDEVMERGGVTGQFQIDLAGAGFELAIVAGGIILGGYVDKTKEYKKVTMYCLAAT
ALLVLPGLTDHYLGREPFLLVLALLGLGLAAGPIQPINAELAVEVTYPGDETAVESVQQ
IGGNLVSALLIPLAEAASENDYTLLRGVPGLESDIRGDVLLIAVSFLTFAFYFSGFDAPL
ARTIADESVDENLDIDVKEEQKKQEGILLESPSAVALPVEQQQ

>comp9385_c0_seq2; 535 294 2220 LEN=2452; translated
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SLLALLSDWVCFVAAAPSTFESNFGHTAASIIDIFLFTNVATSFLVTDITISKFGLQRAI
QGAAVLMTAGCWLRSFGFGLPIDFRIGGVETGNILVDYPLIVAGTVLVGIAQPPFFQCTP
PLLSAKWFANNERSTSTAIALNFNQIGIATAFLVGGGMATDTVGLENYLGIIACTTTLVT
IGTLLQFQNEPPYPPSSSELEKLIKGEPPFLESVQKFFATKGFPRAVAAAFICISITN
VVGVSFIRVLESNAKTVLSDDASATKRHFVGVXKPKMDFPHQSGFDQDQHPFSTLVHV
DFHDEVMERGGVTGQFQIDLAGAGFELAIVAGGIILGGYVDKTKEYKKVTMYCLAATALL
VLPGLTDHYLGREPFLLVLALLGLGLAAGPIQPINAELAVEVTYPGDETAVESVQQIGG
NLVSALLIPLAEAASENDYTLLRGVPGLESDIRGDVLLIAVSFLTFAFYFSGFDAPLART
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>comp9386_c0_seq1; 358 1 1182 LEN=1600; translated
XNNNDKNSGCSIVERCYAAWNRDMKAAAACFAPSFLYDDGLFLGSLRKDRALLERRFG
ASAELLPPGSVVVDHLAVCPPTGNTGTTEWHAEDPSGRALPRTRGCSFYTMDPETGLIAS
GFKVSEMVKPGRELSDRLVAAVAGGAETKTKTPAGASPPPAPSLPVIERYFRAWNRD
MEAAALACFADDCVYETEDPVFVDRFRGKEALEHHLRKNAEALPPSCQIVLDGVANDPARG
TAGVRWHLEANGIALPNLRGCSMYTTTTANVGVGVGVANETQSPGTNTTEDPPPLLLKT
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>comp9386_c0_seq2; 358 1 1182 LEN=1606; translated
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GFKVSEMVKPGRELSDRLVAAVAGGAETKTKTPAGASPPPAPSLPVIERYFRAWNRD
MEAAALACFADDCVYETEDPVFVDRFRGKEALEHHLRKNAEALPPSCQIVLDGVANDPARG
TAGVRWHLEANGIALPNLRGCSMYTTTTANVGVGVGVANETQSPGTNTTEDPPPLLLKT
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SQKTDRPIESICRAGSGLAGEKTRPEERFHLPLG

>comp9387_c0_seq1; 441 1 1701 LEN=1949; translated
AEKVCMAILRGESCPYGDTCRFSHDLKGFMATRPADICELVDAMGGSCPTFRRTTGFCFYG
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TYPFECKRFCEKDKPTPPPDATNTDAGAPTAEEAAPAIKEAKDNTSPTIHTDASPATTT
AARTNTSASSFTPLDHLKTKKIVDFSNKVYVAPLTTVGNLFPFRRIMKQYGADITCGEMAV
ATNLLEGKTSSEWALLKRHPSEDVFGIQAIAAHADQFTRVSELIKEYTDVDFVDMNLGCPL
DLLCNKGAGAALMRENKLYKLAGMSKNLSCSITVKMRTGWNHRPFAHELVPKIQSWK
IDNLAAIMVHGRSRLQRYKLDADWDYIGKVANAESKDI PRVPLIGNGDI FSFSEYKEKVL
ARDGLSTTAMLGRGALIKPWLPTI KEKRWDI SASERLDILKDFVKHGLEHWGSDQQGI
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>comp9388_c0_seq1; 419 176 835 LEN=1246; translated
MTGPKQQQQQRKRTAALAAAFAASAMGGAECFSPHTAAGATRVSSSQLGMGLFDRF
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KKGEDPINEWKKRRESGTISDLDDQYGDAAKIGGIPLPMASFGVGGFVGGKVSQSRQG
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>comp9388_c0_seq2; 603 176 892 LEN=968; translated

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KKGEDPINEWKKRRESGTISDLDDQYGDAKKIGGIPLPMASFGVGGFEGVGGKYDNGGRF
DLRLPYADQGYVDEDEDVDMGKLSNFFGGGKKEAEAKATAAAEEAAKKKKKGGWPW
>comp9389_c0_seq1; 277 978 1662 LEN=2041; translated
MISTLVSLFSFIIWSSLLMWNFCMTIAGSNPWAHEGFPRPGPGGSALTSTVGTLYYHQDMS
YHGVIPELLGLICLREGEDPDVETTLVSTEKVIKALPNHIRLILQQDRFKITASSQWVDL
MSVDEDVDKARALLDGTSLHLPVNWENMVGVDPEASQAIVKLRKVLLDARPSGVHLRDGA
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>comp9389_c0_seq2; 354 160 1125 LEN=1504; translated
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YSNPWAHEGFPRPGPGGSALTSTVGTLYYHQDMSYHGVIPELLGLICLREGEDPDVETTL
VSTEKVIKALPNHIRLILQQDRFKITASSQWVDLMSVDEDVDKARALLDGTSLHLPVNW
NMVGVDPEASQAIVKLRKVLLDARPSGVHLRDGAMVLFNKKVHGRTPYQNLKYDGS DRV
VVRSYFVKHLNEAERNTRML
>comp9389_c0_seq3; 277 617 1301 LEN=1680; translated
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>comp9389_c0_seq4; 454 260 1486 LEN=1865; translated
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AKDILAPFVADNNLQRILSHLVSDDG PDSIDAI VFENLPVDPYVPPTPTRETLRSLQK
TFVAEATLLAMGELAGSYTVGYKAETEYSNPWAHEGFPRPGPGGSALTSTVGTLYYHQD
SYHGVIPELLGLICLREGEDPDVETTLVSTEKVIKALPNHIRLILQQDRFKITASSQW
LMSVDEDVDKARALLDGTSLHLPVNWENMVGVDPEASQAIVKLRKVLLDARPSGVHLR
AMVLFNKKVHGRTPYQNLKYDGS DRVVVRSYFVKHLNEAERNTRML
>comp9390_c0_seq1; 204 103 343 LEN=1747; translated
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>comp9390_c0_seq2; 204 103 343 LEN=1725; translated
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HEVSKYLFDESECVKDVFD
>comp9390_c0_seq3; 242 103 579 LEN=1595; translated
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>comp9390_c0_seq4; 242 103 579 LEN=1573; translated
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HCANCGHNEAVFFMSDSTQSDSLALIFVCCNCDHKWVN
>comp9391_c0_seq2; 616 117 2090 LEN=2303; translated
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PAAVGVIMKDDVDVANTVTNTLANLLRSLSSCVFGTYNMLCINPQLVGLSIGVAPVVG
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DECVTLGGAALASGLSMGIMFGLSSTAFCGILLAGRAVKADKMTSGELTSFGTYSF
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QIALYDTKATTAEPNCITDLERRDRASLVQVVPQAPALFDMTILDNVRSRPA
SEEDVRTAMDSAHCDFVSNLDGGLDYQVGRNGIRLSGGQRQIRIGLARAF
LANPVFLVLDEPSSAMDAEGEASLSDTMAACKSSNRGLLIITHRAKTLE
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>comp9392_c0_seq1; 428 255 1496 LEN=1663; translated
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NDEDGACCEL LRMFRARSREGKKLAPLLTPERFEEYMLGMCDRRS
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STILYYLEEPDVIINGEQLVEYWEETKSVDPDIKTMLLPEQTSRRLLE
QHHTKFFSFWGSIDSVLYTFGKLYRPVSSVSFSADPGTTLIAGGNEVHA

GPPTTGPRMFAFAVAVGIPGEEEGADYIEGSGTDADWNGGDNDNDGEIQYCPALLHTDLAC
ILFATMDTEFPDRSEEHDDAKRFLGILRELVADQPQETYERLLSDDRSDLRDWLGRVAR
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>comp9394_c0_seq1; 412 107 1399 LEN=2050; translated
MIRKVNNSLVQRHFMPKGGNSRFVSPASWAICDSRTGKDDHHRQQQQQCARMTPFAIGTS
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GDKWFVDEALTQEVWDPKWWNFADHAVSAVTFVNDTSGFGMAASILIVTCSVRALILPLA
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LIQAPMFIGMFFGMKKLPDLFPEACANGGLWWFTDLTVPDPTYILPIACGISFIATIESG
KDQMIDSNPQHGPVIVNAFRAMAVVMI PVITSFPAAMLCYWVPNNFITMVQSITLRNDWV
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>comp9395_c0_seq1; 246 468 1142 LEN=1217; translated
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ETLTHSGVSLRELQNSPTKTAYAPPPYDTPDMGIFDQSAVSGGNKVRFS DTPHSADSVIH
NYGGASDSIADSIIDCTTACPNERPVI GVSQDFSRIVYSCNATYCMYDLPMNCWDTSGV
TDMNYAFLGRYIEEDIGCWDVSSVTNMDYMF SRTTFLRNTNIGVW
>comp9395_c0_seq2; 246 1115 1789 LEN=1864; translated
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ETLTHSGVSLRELQNSPTKTAYAPPPYDTPDMGIFDQSAVSGGNKVRFS DTPHSADSVIH
NYGGASDSIADSIIDCTTACPNERPVI GVSQDFSRIVYSCNATYCMYDLPMNCWDTSGV
TDMNYAFLGRYIEEDIGCWDVSSVTNMDYMF SRTTFLRNTNIGVW
>comp9397_c0_seq1; 348 94 897 LEN=921; translated
MTSLSVNKKAAPALLAALQSLVFLVVCYSRSSQSFQPVVAPVFRADSSVQKRPFAGFNA
KQRRPGVATGNMAGSASETDAVSI PFDGSEDRFDRWRFLQEFLEGDHPSSDVVNI VLYR
VLDGALKYPRPSGGDTFGSEGEIEMKAEVKQRLEKILTEYATNGRVNAVATMGNHEEGL
EEEEKKALEILEQLEGLLPDPVENEDDNKSLWDTVIELHGRQSVKINESQNPVSM DWKTA
STVSRVLLHFDFLT LGIVDAPIIKKE
>comp9398_c0_seq2; 138 154 492 LEN=774; translated
MTRTNKPTGGGIKGFFFTRAATS FQQGFKVSREWSYWLAQKGGTVGLFLASTSMVVMPLI
FEINREITSVASERLQVAELRNQGHSDRQLAEMGFLEVSIHTPAVAGLNKAV
>comp9399_c0_seq1; 490 1 1564 LEN=1689; translated
XLAGGHSCGRIDWVIANMGKSESSACKLVAGEEFPSECGNCNPNICSNPYPTGAPIEDI
DPVGSQPQIRPSPSPSGVLLSTDKALNAWDVYLGLEFMTHVNSQSPPNYALVASGGAAGSG
NLVVSESQAYALLITGVVLVSWESHAGRVNGANRSDV IIAFEGYYNFWKEMCRNSSSGSA
NCQSGGHFCKDESTGSSSVCLPDRHLKSGGSESTGPAPDADEDAIVGIILAVKALEGDD
TKPGWYEEARRWADASATAFFRYNVDSSRGDHRVLKLGACWGGWEGSGNPNPSYHSPGSYR
VMKDYQATFPDSDRVGYEGIPPGEWKLIATSYEVLHTVQCSGDGALVPNWATIGTDGNG
NIVNTGERFSGSGTPQSEYGAEEARSTFRVALDAAFYPQMSSEWSPFLSRFNWRLDSDFD
TSSAWSSDAFPSCRAPGASQDTMFGSWRYNAFIYGPTFSALIASSSDIANAQSMVDAAG
QRLAESLPESYYPRSWALLSNLMLSGAMESAGETLRGSIVV
>comp9401_c0_seq1; 1354 165 2686 LEN=2686; translated
MVFGWFGGGQKNNDNNNDENGNNDDENDNTVKPNDDKESHEKPLILTTKPEIKTNTED
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KKFHQDQQRIGHNDFAMDNKEQDGGNSLPDELLRQKRREEILQKTAWYEEHIRNCLEM
EDGDL SALNKDDAVALGLFDSSKKQRNGFWSKGHPEDKYESQLTDELEQLLVLAQQCRR
AQKDEAEMEMLLERKENNDGDVMDRLYHLELLFRQRKGEILDEEEIEELEIFEQE QKDK
DDVSELFLSEPLANETDEGRQTQTQNSTTLISDREAQAEISLLRNDDAQLNDRDSDG
SLELNGSRAAVEESSMVGEVNSMTESEAELLKADFPALPNEDDLNDESKKILDKLDSDEK
KIPEGLIIYEGENDGGNLSMTKSEAELLKEDFALGSEEDLDDDKSMAEFDKREEGHDIG
ADEEEIYSMTESEAELLKADFP SHKGEHEDNNKSTNLIDKMKAGTNDGADGEQILGLLDE
GLNDTDHAVGKTTVTMDPGTHKEEKEKETS SVYSFDEEEFDDLLSRKERGETIDNNRLYE
LQLLFFQKSGEILTEKESMDLEKFRMQRANKTKDTSGLHTKEDGKQKETT DKNRIQSDSV
LSFPEDTSLEVFQTQLKKIGLPLEISFSLFRDENDSASFCDNEKSSSMSTISGGDES YIM
DLVNQKDRRDDRKEELEDAYSRYQRAIREDNAQENEELLQTI FSEVLKEKEEEMRLVD
KEFDELVEHEVAKHKEKIKGTQSRPFVGTGKAQPQANIDGAKSKTDTEAVIIEETQSKK
X
>comp9402_c0_seq1; 529 24 2482 LEN=2529; translated
MKISLSAIGIFLSTVQAAQVSADTHSSIRGNSRRSDNRNRRHLLNPGFECTLYVKTIEF
EDGHNEETLSCELAPQTMVAMAAHDDQGNPISFPTGVSEIIDIEGVEKERMEQIGAI SGA

TVMRLSEGYIEEGGHPVLVVPSEATVDIEKISDS DERHFNRHRSRQRHRQLAKTTGNLK
TLVLRVVDGSGTAPELSTAKLRDDLFTDLSLKTQYKACSNRIDIIERGIVDVVKVEIA
QVTKVMYNGRPLELGNNSELEKQARKIASNRYAGGGDL SAKFDLVIYCLPPGTGRWIA YA
YINGRDSVFNNKWC GMVSTQMHEVGHNLGLGHSGDDQDQYGDQSAMMGYSYFEDDGPKMC
FNAAKNFQLGWYKNQEMSYNPLENPGSVK FVLTGV DNAVXWNSNKLVTLRLEEDGISDY
IGYNRASGINSGTSEAKNRVSI FKKGKGGALGYGKSIRVAALSSDEFYTVKQWNGTNYDV
RIWVAGKVGGNIKDANIEISVLGLPPPT EAPI SMTQQPDSPCA EENRFRLELGLIDSFGL
TSWELVESISKTLIGSATKDKYQAGQRYIEPFDTDGSDYCLEESTCYDFIIFDDYGDGV
CCTNGRDGFFRGILDGNVIFEGGEFDTSDRHTFCTSGDSATGSPTLARTKLPTLARTKSP
TPAPTRSPTSSPTKSPTSSPTKHQTS DPTKSPTSAPKKKPTSAPTKSPSLAPVKQPV E IN
EMNNKECKDTSQPFVVKRKRVCRWLRRNKNLIKRNCKRKS DRGDKLSDLCPKTKAKAGV
ETCWSVNIRDKNQQNKSGNRNSNVKRVRKLRKEVFGS

>comp9403_c0_seq1; 266 478 1313 LEN=1467; translated
MMGASAFRTNPSNVSAQHAI SRKQRKGYDEL RQEWNEKSR SYYSKV TREERRR NAGEID
GDVLTSEEYRKEFERMARKHYFALQKIKEGRYRHA EILYERI IREILQEEKEGDS CDHAK
LAVTTLLFALHSQRMGNPNPKTRSVFLNFFRQIVMNEEGRTRTNGNKNDGDAAFDANE
HHHCACSAKVLGAFALFEMKQGN SVKSLEIARMAVDFDPSLRPMLEWKQFRDTRMRTRKR
TRVAIGKVAXEPKIVNTVDEDPTTTTMYRNDPIQDTG

>comp9404_c0_seq1; 383 40 642 LEN=941; translated
MKSFAVLAALLGTSSAFVTKNAATKSTALNAEMSKSLPYLTRPQKLGWVGDVGFDP LGF
SETFDMKWLREAEIKHGRASMLATVGF TMQQFMTIPGYEHVDDSNMAPT VVGASAMLQIV
FWMGVLEFWTNKGNVTMETMFS DPDPREP GNLGDFPMGLAVGKTEDEMNDMKLKLKNGRL
AMLAIGGMIHNNVVTGDALF

>comp9405_c0_seq1; 428 165 1184 LEN=1415; translated
MLQTESGSEHSSVDATEVKT TTKAKVSQEIKGTTKMNSSNTTATSSSKSLEWEDVKKARNR
INSQTRERERSQIKNLEAERARLWLSNDAIKFQNRHFREIIGQIVKINEMKRLRASGSA
SSSSALFGAAALGGGIPMSMRQDMGGHGGGLDGLDFQSSRISASATKLT KLSADLLAR
RQVNALEMQKMMRQQAIERLGVGGVGMGGFNMALNGRMGGGSAGGMGVSSGMSINGIN
LNAQYSDVPDNLRI RQLMLQHSNASGDI EPKRLSSIGNTDAFSSNNGLGGNIGEDSRNT
NGNGISLGA AIGGIGGIGDLGGISDAEILQMSKRQKFGF

>comp9406_c0_seq1; 317 103 822 LEN=1450; translated
MDTSDSKTVPELTTVSDVAPPSTSPAGVLSAPATSTIDPKSEPIIRDSLGGMWILDKTR
GEWSMRGYLETNLVPELAIQANEKGENELDTIQTIELTDEKVKITKQSRVNSNLVVELTY
GVELVEYLPKDSRPKKQLATTEDPGRHLKIVSSLLTVNGMANVTDIKRLVQEEEKSSVLI
QELTINNPE SNKTHTTTRYFNPHSEPGENGRSGELGAAIAAAETGGTQASNGIMKMDTD

>comp9407_c0_seq1; 644 149 2816 LEN=3030; translated
MLLSVASPHASIATAFGALLVSCR VSSWVLPPTILPAGGRNPGSVALAGSDRPGIFFED
ELECPNEEECEIDWDSMPGFDDSDGDSENHQDAGVAAGAAIETTADPGDEECPDEEECEI
DWSKMPGFADDDDDDEQQQQQQQLIWDALERIVWELQPPAEQQQQKGGGGDRHNDRSENGN
KPARRTSSILGALDSGNWSSLFDP SDWNGDMLGKLQGEQDQTEEKANKHDENDXIKTEQQ
QQLRISTKVGENAVQNAESLHTMSDEMASLLP IPMPLNTTTTSKNGGTANINLNVNGNATF
NCNGSANSQQQQQLRHEQNTHQHQHQQRNMQVRS AEKIQGNDKFLITSKLENI SVQEKEK
ANLDVHGINIYEKEDPVVLEQKLR EMHRHIIAEYCRSTTTVFKEANRNRQPSVTTTTAS
SALGWT FANHPEYVKQDCIKFLRAVGNYHPKTA AKRMSAYYEVKRLYFGHHHNRSNSSGN
NYGTNGSRNEDDEILCRDIRLSDLTEEDRSCLPRGPMQLLEEKDRSGRIVTMMFGKLLD
LPLESLARIIILYGSQIMTKDEANQ MAGYVHIVWAHG MKNMSAPRALLKTKMLQEVKCL
PIRCVAKHFCYDNP KLDRLVLYGALVHGLDAFQVVRTRFHRGSVTECVYNLMTYGISQESI
PIVMNTKGLNTYMMASNKCKHNNDGMIIDTEFHVAFMDAVAEYEEKDRWERERSK FVRT
SQLQQTERISRSKPLPDESFDNTEVSDRPS SKTSETAFSSSNKPTLLANQAPAF TTSPTS
SFAVLLPGPF DILMGRGCHNRNKP GNLRLKLLLESYREQYDKAVSKSEKTALVQHILMQV
GDSGSRFLIQEKPLWMTASQQRAHDKVAHDFRNMRGRAKAAANGNKXW

>comp9407_c0_seq2; 551 149 2994 LEN=3208; translated
MLLSVASPHASIATAFGALLVSCR VSSWVLPPTILPAGGRNPGSVALAGSDRPGIFFED
ELECPNEEECEIDWDSMPGFDDSDGDSENHQDAGVAAGAAIETTADPGDEECPDEEECEI
DWSKMPGFADDDDDDEQQQQQQQLIWDALERIVWELQPPAEQQQQKGGGGDRHNDRSENGN
KPARRTSSILGALDSGNWSSLFDP SDWNGDMLGKLQGEQDQTEEKANKHDENDXIKTEQQ
QQLRISTKVGENAVQNAESLHTMSDEMASLLP IPMPLNTTTTSKNGGTANINLNVNGNATF
NCNGSANSQQQQQLRHEQNTHQHQHQQRNMQVRS AEKIQGNDKFLITSKLENI SVQEKEK
ANLDVHGINIYEKEDPVVLEQKLR EMHRHIIAEYCRSTTTVFKEANRNRQPSVTTTTAS
SALGWT FANHPEYVKQDCIKFLRAVGNYHPKTA AKRMSAYYEVKRLYFGHHHNRSNSSGN

NYGTNGSRNEDDEILCRDIRLSDLTEEDRSCLPRGPMQLLEEKDRSGRIVTMMFGKILLED
LPLESLVXYPPYLILYPADCTMGLRSWCCVGCIVGCCVAFQVSCFSVVSNLISCSMECS
FSSSTGPNYPLRKPDPYAKDEANQMAGYVHIVWAHGMKSNMSAPRALLKTKMLQEVKCLP
IRCVAKHFCYDNPKLDRVLYGALVHGLDAFQVVRTRFHRGSVTECVYNLMTYGISQESIP
IVMNTKGLNNTYMMASNKCKHNNDGMIIDTEFHVAFMDAVAEYEEKDRWERERSKFFVRTS
QLQQTERISRKPLPDESFDNTEVSDRPSKTSSETAFSSSNKPTLLANQAPAFSTTSPTSS
FAVLLPGPFDILMGRGCHNRNKPGNLRLKLLLESYREQYDKAVSKSEKTALVQHILMQVG
DSGSRFLIQEKPLWTMASQQRAHDKVAHDFRNMRGRAKAAANGNKXW
>comp9408_c0_seq1; 684 81 1277 LEN=1394; translated
MFATLESEINSALSESQKSSSTTKAKKRISGTPPTRYERAVVGLDKILAQVTKVDPDGV
DIVCFGGDESPDWYRNKNTKGLSIVNEKPPRGACNMGAMDECMQEAQNKDITTRPV
AVLVLTAGKPDDAEELNEALTRAVGTCAENFETCPLSVTFVQIGDDSDAEAYMKYLDHNI
QAECAANGEMFDLVDTIKDEDIKAAMSEIKGTEESGKNGALIGAIAGAALGVGGMYLVNK
QQAKKRTAGWGGKWKVSYDGEETITLLEVKDDQAGNLVIEGFPSPGEPTTGKYTTEEEHDEE
FAISFIDPSGDWEIEGTVEDEHAIWSDGTRWDEIPPDNGHWATYAAAGIGGAAAAGATG
YLLDKKFFNKASKEDQCDYIILLDRSAKMAVVDTGVTN
>comp9409_c0_seq1; 149 309 578 LEN=774; translated
MAIETPYDHIKTNMMLKKSVEGGARPKTREVWGPMECSMLCDGFEDTTNRPSMADICER
LRKEISRLSDEDVDVYLDESRRSRLSNAD
>comp9409_c0_seq2; 307 114 1431 LEN=1627; translated
MVDKIGEHSVSHLLRVAQDVVEKKTEGSVLLDQNAEKRIKPKFQLKELSLGRVLRGGGFCV
VNEVTNITLLDDDLQQPSVEMGIDENSIHNIVQDRSFMARHTIRQGKDYRYAIKRVQDKS
KTDAQHYVNSVVDLATEARFLAVIRHANI IKMRAMDDGSFYTDGFFVVLDRLYDIMPTRL
KKWKKKEGGTLKKAFAKSKDTKKLFWVERLTVAYDLACALSYLHGMRVYVRFCSIATEMND
XTCDGARDRNTVGHYLLYTNFHYXSLLSVSVIYRDLKPDNIGFDVRGDVKIFDFGLAKE
IDPRTRLEDGTYKLTGDTGSPRYMAPEVFLSKTYNETADTYSFCVLCWQIMAIETPYDHI
KTNMMLKKSVEGGARPKTREVWGPMECSMLCDGFEDTTNRPSMADICERLRKEISRLSD
EDVDVYLDESRRSRLSNAD
>comp9409_c0_seq3; 394 114 1298 LEN=1494; translated
MVDKIGEHSVSHLLRVAQDVVEKKTEGSVLLDQNAEKRIKPKFQLKELSLGRVLRGGGFCV
VNEVTNITLLDDDLQQPSVEMGIDENSIHNIVQDRSFMARHTIRQGKDYRYAIKRVQDKS
KTDAQHYVNSVVDLATEARFLAVIRHANI IKMRAMDDGSFYTDGFFVVLDRLYDIMPTRL
KKWKKKEGGTLKKAFAKSKDTKKLFWVERLTVAYDLACALSYLHGMSVIYRDLKPDNIGFD
VRGDVKIFDFGLAKEIDPRTRLEDGTYKLTGDTGSPRYMAPEVFLSKTYNETADTYSFCV
LCWQIMAIETPYDHIKTNMMLKKSVEGGARPKTREVWGPMECSMLCDGFEDTTNRPSMA
DICERLRKEISRLSDEDVDVYLDESRRSRLSNAD
>comp9410_c0_seq1; 160 1 931 LEN=1046; minus strand; translated
XFVLFVFCVSDSGVPCFAPQRPPPLRLLPGSGLGGGPDVLPVQVLEADLRDVVVGDQ
PGGSPRCQGGFDVPAALLLVLEEAQVVGDEAVPAARAGDDDDAVLVGVLRRELLGGPGV
ADGAGKDDRQLFAACLGPGEALFGGGGFHFVRGGCDRGPASLPKAPLEGKVRMPWARG
KGGSAQGARFGPWPVRI SGRAVPPNRAAGTGAASRVHMGRGGERAGSLSARDRXPPTKDA
EPLRQASLPPSTMLVWAACSVRLGALGGAVLLLVLCLGTNRTRLRGIDCLPACLSALVVG
VLCVVGAV
>comp9411_c0_seq1; 179 175 813 LEN=1321; translated
MPAPPTLNADALTEGSVAAKFLALIQTFDDLTGAPEWAQSSRTIGIVTAALLFVVRKILG
KKYGVNWCSFVHACVVGLMSFVGVWLVNFGAESLTGTTEPLGQILCKGPLTTFHSIVAAI
TMGYGVFDIAEGMHLAKADFIMHGIATLSIMAYFCEYGVPEIILPMLLMEISTINLVFLG
ASELSEKGIIVNIVIFTLNFTFRIVACPYLW
>comp9411_c0_seq2; 180 175 930 LEN=1462; translated
MPAPPTLNADALTEGSVAAKFLALIQTFDDLTGAPEWAQSSRTIGIVTAALLFVVRKILG
KKYGVNWCSFVHACVVGLMSFVGVWLVNFGAESLTGTTEPLGQILCKGPLTTFHSIVAAI
TMGYGVFDIAEGMHLAKADFIMHGIATLSIMAYFCEYGVPEIILPMLLMEISTINLVFLG
ASELSEKGIIVNIVIFTLNFTFRIVACPYLWWEIFSTAWEHKENPFSQACLPHWFAYV
VFVFGVYQNI
>comp9412_c0_seq1; 504 127 1569 LEN=1961; translated
MWYYYLAAGLFTFWWFALRPRGGKDSPLVTASTVVRIPLVGVIAEFLSNPNEMMKRCY
KDYGEVFTVPIFHKRITFLIGPEAQELFFKSGDDVLSQDECYHFMQAVFGPGVVYDATRK
KRQMQFQTMANGLRTSRMKTYPKIQEETEKYLNEKMGDESGTVLDLYQALSELTILTASR
CLHGDDVREHMFADLQNLHYDLDEGLTPLTVLWVSHAPTARHKKRDAAREELVKLFGKVIK
ERRENPERSDGTDILSLFMDMKYKDGTLVTEVETGLLIALLLFAGQHTSCVTSTWTMLLL

LHNPKVLERVMEEQDQFSSKEVLELDDVQQMSLLHNCMREALRMCPTFIMLLRQVMKDTSVTVNGKTHRIPKDDIVAVSPTVSMRLDSTFKDANTFDPDRYLPPREEHKTPYAYLGFGGGMHSCMGQVFAYVQVKTILSIIILKRYELTPEANKLPDIGYNDMVVGPKGNCNVHYKKKASL
>comp9412_c0_seq2; 445 928 1986 LEN=2378; translated
MANGLRTRSMKTYIPKIQEETEKYLNEKMGDESGETVDLYQALSELTILTASRCLHGDDVREHMFADLQONLYYHDLDEGLTPLTVLWSHAPTARHKKRDAAREELVKLFGKVIKERRENPERSDGTDILSLFMDMKYKDGTLVTEVTEVTGLLIALLFAGQHTSCVTSTWTMLLLLHNPKVLERVMEEQDQFSSKEVLELDDVQQMSLLHNCMREALRMCPTFIMLLRQVMKDTSVTVNGKTHRIPKDDIVAVSPTVSMRLDSTFKDANTFDPDRYLPPREEHKTPYAYLGFGGGMHSCMGQVFAYVQVKTILSIIILKRYELTPEANKLPDIGYNDMVVGPKGNCNVHYKKKASL
>comp9413_c0_seq1; 190 1755 2193 LEN=2193; minus strand; translated
MLPNESLHRRNCHPKHSFKRVSNVRATTKIDGSHVARSEMVGNDRSITSQCNTSCRKIGKQAIHNNVSSRQQRKDMTVGFEISIIITHSDRTSSCALYDAVLEHNILAPYFYPVETGIDKPAIDELYLVSVYFVSESLFETEVDX
>comp9413_c0_seq2; 182 1755 2193 LEN=2193; minus strand; translated
MLPNESLHRRNCHPKHSFKRVSNVRATTKIDGSHVARSEMVGNDRSITSQCNTSCRKIGKQAIHNNVSSRQQRKDMTVGFEISIIITHSDRTSSCALYDAVLEHNILAPYFYPVETGIDKPAIDELYLVSVYFVSERIASKSASX
>comp9414_c0_seq1; 419 90 1028 LEN=1249; translated
MERLHQLMRGMPEGAGGLGAGAGSDSPTPDCAEKVHVSSSLALLKMLKHGRAGVPMVEMGLMLGQFVDDYTINCVDFVAMPQSGTSVSVEAVDPVFQTKMLDMLKQTRPEMVVGVYHSHPGFGCWLSSSTDINTQSSFEALNSRAVALVVDPIQSVKGVVIDCFRLINPQLMMLGQEPRQTTSNIGHLQKPSIQALIHGLNRHYYSIVIDYRKNELQMLMNLHKRNWTNGLSLEKFEHQQSNDLVEKMLKLTDDYNERVKQEEGKTSEQILVDNVGKIDPKRHLETVAELMSSNIIQCLGTMLDTPVVF
>comp9416_c0_seq1; 704 269 2563 LEN=2682; translated
MERTEMQEYDRQQSCSHTTKLSPKSPSKDDKYSINIGCDSQESYSSSSTADKYSVNISGEMKKHKKPVRKRLGSRMLKDMI TPEEQKISERDDDRQQMSRQQFRPPRRSKPKRRLVFTSPRLISSDEDLFPFDHSVYRESNQRWQQISDQAGCHRQDGTVMNIGKRPSTPTAYRIGMVECAAIRVRSNLNLWDHEKDTLSDWLDMISEVFNLEHLTLTEDIFPGEDDMAVSARMRRLYVLSILPNLKSIDDMAITLKERKMTNPKGYCENKQSKRHFANSSNKSINKGVDHKMSRVVMVPASVGSDEIEVEMLVSELKDMKF IETGTTECTSPTVNSESTISVIDSNDELSENKGRHVRLLDVNNTYTEDLDKCSNNSIIQRVRTALTEHEDTVMVHKQAEDDTGGGYLGSAKKEFLKNDCHIISTNIGNRSTINDDEIREGIARGVRTIHDDSNDTIELISVPSNDVEWVSGVCGVLTFRREKSCAPEIRPPFSSRDVKRRDSTNQAYQTAVANLRKKGREKKKYCLKSCTPVQRQSMVVVPTPQVGCCQILIGGAESTNKFSPARRSQPVTRNMKPIEQSSDCIISANKQLPPSKSLSSPFPMQFRERQKPAANSIVVAQLQVKTSESMDSDESERTQSIGSRDIIDTGTIVGTL SVVSPTASSANGLNQNIKQGNKGELPPKCP SRGLRGQPTDHSSKMRKQKRLHPRKLNEASKETARSMSVMDLDEEDFLEENEENTEVEPMNGSSRILVDAIA
>comp9417_c0_seq1; 122 1 358 LEN=668; translated
XATATATATNHTVPRARGNESFPPRSLLEVEGNEGAILPKRIGSTKARHRTIGQENQKRKQALENKLPKRIRKKTALRQIVNAKVIDHKVVFIEDLVQPERGGQGTFREILQPSEPKEE
>comp9419_c0_seq1; 405 271 1710 LEN=1923; minus strand; translated
MTACTKIDLLKFIVVTFAAFIWKAEADECSQSEFATTTSCDNFLEEFRLLIESGNLSLAR RKALEAMHDRTSNRCSENQISTFYVASFQGTYDAIGNDFLTKIQESVSTKNSSYIRAKSDSPNCMKLHIDWNDVNIIEFWDRHCSLLPVRETVPPTLSSPSFAEIPRFQYSSQTPCCEFCAGSSTYLRLPALKEPAIRLNIQHKNWDQKGRSATAESVRTVFDLEQDGYLRPFVAGILWPTGYLLSLCLGDI FRCPIPELHNLVLDYHSEIRSKEALNANEKCLNHS PHAKCKPWVVA TDLAPHALALAIANGKRNLDVLSVSLVDHFNQSSVKEMKSKYFFQEVKKTASMYEKEEQNYARSIGFPLVFGSSQLQGLFQDQDKDCALWKSLEALIDMNNPNALAILVHNRADPLRLPN DANFSFRLVRRISGSSEVFGNMKTRNGDTSEFEIYVFORQITRHSKARSLPTSIGSEEL
>comp9420_c0_seq1; 64 2241 LEN=2386; translated
MASKKHISRGKKGKDSKYHRHQHQKDRGTGKSKEQESHNGEDDNLGLVVSNSQQGTKFSIWLFFMSSLVAIGAVCYRVYVVKYSSVHVFAFRSTSESKTSLSELDIACERSHKATDNVFA YCNRQFLDIKDETRTIVA AKRFRGTGQKLLQIPRSMQITTTIDALRHPKVRELLMTNPRHPI TGKPLHPKAYLAVHMALEFSRSLSGDEIKSMNDDSTFRLNQVRRAYLDYLPKHQDFAKFH PLVWNNKYMAAERIDDGPASSLTDHLVVRTWRWSMESEYRALCRASLPGEDSFGALVSMED WVAARLVNTRSFSDSDPDISDKELEAYRPFYEEETIHGNNDGEDEEDSFFASCRNTLMRS CMVPLLDALDHHKEPNVQWNFLENDSDASIAQTKQSFVAYAARDVDLGAQLLDSYGSQFP DPTLFAQYGFVNSDRSGSRAALLAAYHRILDTDFEDTTVTDMIREDLQOYLAFQDGYQTC

YNGDASRVTRGEQENEKARLRFQEVKFKALSAKSNLLSSWSISLPPRRDGRLRLEEDDGS
IYKGIQNAVFTCRLLAMTHRDFGGKATEMLETIASADHPEHYHINVSTDEATRNGLEFRT
WHVMTRLAEAMRSRILLSLVKLDTRNESKYNTDSIGSDMDWEIEVEISRRLESGAIGDTG
SPEWARTFVLLGGELEALSILREHSGHMKTMFLAEKQKWSKRVKTTTTISNEQLNEEDFFVR
QHPCK

>comp9421_c0_seq1; 883 1 2638 LEN=2739; translated
XRKQTTAKPDR LGDDATGECKRSGNNSFSMSEKRIGKQRRYMRLSTSPVPRSLPLASLLG
LVLLLLSVPWFLATDGVSSFPNPTTHTASPGSPRASRVGRCLRASFFDNESDSSRGGGTG
NSEDDLNLKKEIRERQLRDAVIEDLFLSQGVRPTNTQSPSSFVSLSLVGQKPLAASMP
SYDDKEAEKKDDRNEKGRKTSFASVLVLAPRNDNDFPLDKNNLGSDEDSISIRQPLPAL
FLPLTAPIESRLQLLSKVYEGKPVSSLTSLILWNLNLINRDGSLFDNIPWNQWTKDPDGK
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IDQNVTDEVEDSDSSFSLSFLSKRVLELRIREIRMEIAEVDSQLAVSRNNDISTSNLQEL
EDTRVELQOTLHEAERNLSDLLSSMSSTLSLSDTEATDDRINLFDRIARFALDISMPFRT
QKEAPYRGATGYAPRLSDTEDDSDVEFYRSPYDLLNEILSDQLNAEVIGCVLENTSWLGG
NLALEGAVLRRRTPVVESTLMGETIRAPDRDEDFGNSVKGGEIFVVECDGDEAIGMALS
CNLPVKIERTIFERSIAGVPSQPTAGSDQKDANGNAPKSKKFGTYKNIKENIPYWKPM
AGISLHVEGDRTNRDAERLSPLSIPRTTSSLFDSIFEPESNQGEDKTPSSMFPTDNP
IKSIDQLDRLKDGDKAKTLLEMSNFSGRLPRPRTVRNAPADENPLDNLPLIDEAVRSEYKI
REAERQGDLDLANELKANKSELQKAREKVDAARRDGKEDLARALEDETAFLKADVTQ
DDGAYSRFLDRDDWYERDRQKTAARVKKSSFGNLLDGIE

>comp9422_c0_seq1; 773 256 2787 LEN=3194; translated
MSTSLWAARTVSRASLRQRNQLWPLAASAAHPRFREAFFPARSFSAEAGASSPPGDAPP
FRKVLIANRGEIAIRVARTCRRLGIPTVAVYASNDTSSHVSECDEAVCLGTGGVSSYLD
TDRIAEAIRSTEADAVHPGYGFLSENAGFAEAVASLGSKGETVAVLGGPPQAIRDMGCKL
RSKAIAREAGVAIIPGGESEGALDSLEDALEAMRKSGSSLRYPVLLKAAAGGGGKGMRI
YDDRELIEAYPMARSEGLKFFADDRLLLEQYLEEPHIEFQVVC SKATGNGDGLNADGH
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>comp9424_c0_seq1; 952 1 6398 LEN=6507; translated
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>comp9426_c0_seq1; 1025 1 3103 LEN=3146; translated
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>comp9427_c0_seq1; 386 79 1341 LEN=1640; translated
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>comp9428_c0_seq1; 1324 43 2318 LEN=2752; translated
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>comp9428_c0_seq2; 1324 244 2477 LEN=2911; translated
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>comp9429_c0_seq1; 281 179 915 LEN=915; translated
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>comp9430_c0_seq1; 186 194 838 LEN=1426; translated
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>comp9431_c0_seq1; 582 59 1903 LEN=1903; translated
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>comp9431_c0_seq2; 625 80 2498 LEN=2498; translated
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>comp9433_c0_seq1; 608 396 2856 LEN=3663; translated
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>comp9433_c0_seq4; 589 396 2761 LEN=3568; translated
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>comp9433_c0_seq5; 589 577 2942 LEN=3749; translated
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>comp9433_c0_seq6; 608 577 3037 LEN=3844; translated
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>comp9434_c0_seq1; 792 49 2865 LEN=2865; translated
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KPRATSPKENGDESDLEDNEENKEADAYSKSDEGDEEESHAAAKADVATSADL L LFQEST
TELAE INRDRGRKDRPIAIDLRLDASGEESDAPEYSQGFSTTQTGAIKLQDCMQDGGESP
SSRQGGSEENRTGRHSTVPHCSGILGDFICKEIAETDDDEIKIVGETGKNALSDFAHPRY
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GAMRALLESNHADGPHVTKIKIQELKQNTTSKAFYIASNEELTPIVQRFQQKEKIFVSET
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>comp9436_c0_seq1; 153 188 419 LEN=419; translated
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>comp9437_c0_seq1; 351 145 672 LEN=825; translated
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NRVSSLESTILAGIQEKAKLLAAEETYSKSKSEDKTTDGQKESVQLLELQAKLKTSEADL
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>comp9438_c0_seq1; 586 144 1373 LEN=1604; translated
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RIERG VVKVGENVEIVGVSETQTTTITGIEMFQKTLEEGFAGDNV GILLRGTREDIERG
MVL SQPGTITPHTEFESEVYVLTNDEGGRSTPFFTGYRPFYVRTT DVTGAITAFTADDG
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>comp9439_c0_seq1; 283 1 1821 LEN=1865; translated
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>comp9439_c0_seq2; 291 1 1445 LEN=1489; translated
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TDVAPSSIVFGRIGGVEDPVQKKALVRIHRLRLRYHVNEAFLGIQPGDFAGAPSSAAGEA
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>comp9440_c0_seq1; 712 1 2316 LEN=2585; translated
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VCNEILQAWQYIEVYLIALFVASWQLGPISEYMFNTYCGSLDGFFAQMVRYGVIEEEDAQ
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>comp9442_c0_seq1; 647 369 2469 LEN=2792; translated
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VMAVFYFSTRGDRWIQCSAPPPEAANDA ESEA EDEQNANALCTIEVDGVDSNSHAWLTS G
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LFSGTVPQTQMGELLALGTFHGTSSCTISSTRHKT SVFLFFHNSMHDLELVFVCFSLSR
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>comp9442_c0_seq2; 621 369 2176 LEN=2499; translated
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VMAVFYFSTRGDRWIQCSAPPPEAANDAESEAEDEQNANALCTIEVDGVDSNSHAWLTSG
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GL

>comp9442_c0_seq3; 647 252 2352 LEN=2675; translated
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KVTKPPGNLPTIPPSAAPTITLTTDPPTVPPTGTPKMSPTLRPTTESPSSSPTNPPTRSA
TGSPTETPSKEPTKTPREPTTEPTEDPSQEPSSVVSEGPTSGPTVSVTTASPTemptig
SSGPTGLPTTGTLPATAAAPSTPSPTLAPVITTIPTPSPSLSNPGPTSSLSSASPSVSTT
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VMAVFYFSTRGDRWIQCSAPPPEAANDAESEAEDEQNANALCTIEVDGVDSNSHAWLTSG
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LFSGTVPTQMGELLALGTFHGTSSCTISSTRHKT SVFLFFHNSMHDLELVFSVCFSLSR
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>comp9442_c0_seq4; 621 252 2059 LEN=2382; translated
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TGSPTETPSKEPTKTPREPTTEPTEDPSQEPSSVVSEGPTSGPTVSVTTASPTemptig
SSGPTGLPTTGTLPATAAAPSTPSPTLAPVITTIPTPSPSLSNPGPTSSLSSASPSVSTT
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VMAVFYFSTRGDRWIQCSAPPPEAANDAESEAEDEQNANALCTIEVDGVDSNSHAWLTSG
TECGWGGVGCNEEGFVVRIEMEONGVGGT LAHEL SRLQNLRLVLEEGILTGTIPTELGE
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>comp9443_c0_seq1; 306 1 1103 LEN=1810; translated
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LNEDFKPQNKVGVWMTLNDNMDYVKGAALGVGVRAKTKT PLDLVVMELRSKPLGKDMWD
VLRLAGFIKCTVESIKSPVKTR EDLKEKFSVLHVWAMEVYETV VFLDADTYVQNSIDDLI
HMDLKGKALGVTKDIRERK WVE TFNSGVMVLKPNLQEHKRLVELLNSGLEFDFIMSDQGF
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CAVWIDA

>comp9444_c0_seq1; 448 306 1489 LEN=1527; translated
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TAGGEGSSIKGKDGKPV DIDMSKISPAALNAVAQAQSVETFCLVHPADTNDYTGVIYLD
EVGMLKLP SNKRASSIGGACGYNPAPIFYGDVFFVARVTKP SMFNVD FEAGVD TDYGRA
EWMRRAVSENLAQQAMNEATGKSPKLAQMEQPAHAGTDGSVAQESGFSWTQDGEVEIT
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>comp9446_c0_seq1; 274 113 796 LEN=1191; translated
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CITPKDLNSQRSLHVLPAKVTVKQVLQHYERKRTSSSGSSGSSEEDKKKQDRIRRFCEG
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>comp9447_c0_seq1; 908 183 2549 LEN=2727; translated
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DVVGLDDNVLQLIIAYNKAVVYQASKNYQYACILYKLIIVDTVRSCLSSGNTDATLMHLAM
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TTPPEYQLEIATVLSNWCRTWMMGHHDETMFAALEDVIRIRRTANLESDHLDVAAAHFNI
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FAQELCVEEQKAQSDSEPFNNEDNVSIVTTCNNIGRILQELERYQEAKYYYQRS LGDD
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FNEAIQAFRMSLKLRRAMLGHEHSDVSCLFYNIQVLMQEQNLLSEATESFREALAHRHVS
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CDIAELHQAGSLKVALEYAMGSADTLLAMRNSVLENETTMGVDDVNEDLQSYVEVETRA
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>comp9448_c0_seq1; 490 178 1338 LEN=1814; translated
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QESAAHRGSSSRNVLEEVEIEIEIKSSLIKFWLEDFYQFCASLGGDTG DIMCDILKVRADT
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>comp9448_c0_seq2; 360 759 1574 LEN=2050; translated
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VRADTNAINITLNSFGTPLNEPGMRTTDRKRLYPVGYLYPAGTTMLTDVADEDEMGRVL
ELFPTYAAIWSIHANGSGDKSIDD AFYERDVQKLELAFENQFHFGCFYAYVKLKEQEVNR
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>comp9449_c0_seq1; 265 528 1647 LEN=1647; translated
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>comp9449_c0_seq2; 744 528 2498 LEN=2812; translated
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VHPQFVSDVMKPLAMEAIDNGVQALSGGELQRLAITLSLGKPADVYLIDEPSAYLDSEQ
RINCAKVIKRFIMHSSKTA FVVEHDFIMATYLADRVVYHGRPGIEATATAPQSLLTGMN
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>comp9449_c0_seq3; 625 528 2396 LEN=3083; translated
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LAVLDYLSDYVCVLYGTAGAYGVVTPMFFSVRQGINAFLAGFIPTENLFRFRNDSLSFKVSE
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VHPQFVSDVMKPLAMEAIDNGVQALSGGELQRLAITLSLGKPADVYLIDEPSAYLDSEQ
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>comp9450_c0_seq1; 620 51 1307 LEN=1711; translated
MIGVSKNMLAILSLVL CNPVGQDQRHSTQRRRIAVAERPSSAPPTLGE GDDTESGKG
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DRAWYVSALGALSILVIVLYIIVGTSIAVAQGDSETADFDPRPESSGSNDQLYKTMASFG
DFLFGFGFNAILPDIHASLHEKSAENSRKDMKKTTLTGAYSFAYPAYMVVAMVGYAAFGYK
VQSNIFLSIDEILPRSAMIVIWALLAIKTATEAAVFNQAAF'TLTRDVLGLTLDEHDVDDH
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PKW

>comp9456_c0_seq1; 341 130 1302 LEN=1550; translated
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QFPPLTRRRKTFTGSRGKRPRPISLILSQEDRDMDAGESFSSSIDQGPRRVSLESSNSNS
STDEKDSNIVNESEDESSESGSKDGRTRTFGAGKASAAAADKPGQARRSKKQRADESSLKK
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>comp9457_c0_seq1; 507 46 1022 LEN=1439; translated
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CPPNRRKDLVFLQNGYLDDFLESKGLSDNTQVLLYLSVSAKGVAPTGDVTAFNPEGLTAS
TGEWADAFAGRLAALDLKCNVVSQKDYRPAMFEKLMWISTYMLVGAANDCPTVGDAGRHDH
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>comp9458_c0_seq1; 599 466 1971 LEN=2328; translated
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MSTPSSGNAFGGGAALQEAQGMPEGEDRNGMERLTGESDEQYVMRQTRLRDEAKARMAAKF
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>comp9459_c0_seq1; 334 447 920 LEN=1006; translated
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>comp9459_c0_seq2; 500 78 665 LEN=751; translated
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GQFNAPQEAAPPAMPMEETAETADEEAVDETGLDSKDIELVMSQAGCNRKAALKALK
ENDGDLVNSIMSLTK

>comp9460_c0_seq1; 201 76 552 LEN=941; translated
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>comp9460_c0_seq2; 368 75 998 LEN=1387; translated
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DPTVVDVAAYRNNMVPNQMMVERAQKRDSDLDTTKEAINGLKAGLLYVGPIIGIGTYVST
SGDNALTAALSNYGLFGGSLGAILAVNNYMGRGVHVPDVPEATNRIVVDLSEGLLRKQDM
GFVAVSTSEDEMWKKIYAPSNGIIATVDTQLRNSPNSPTGVRTVEGLPSHLHIKNMDVHY
KRRQGVANALMELIEHATTKTDAKALTLEVLGANQPAVQLYRKFGFEPRENPNKRSAN
VFMVKEL

>comp9460_c0_seq3; 302 75 482 LEN=516; translated
MAFSIQSLLFIAASLAATSTDAFVTPSGAALSSRTSTAVYAEAVETSNAADFIVRAVEGGED
DPTVVDVAAYRNNMVPNQMMVERAQKRDSDLDTTKEAINGLKAGLLYVGPIIGIGTYVST
SGDNALTAALSNYGE

>comp9463_c0_seq1; 290 68 625 LEN=972; translated
MSEGEQATAAAAAAPPPPPASVSASASKNVVHWQEVQD'TVSR'IASHKGVLAVSILNAGGD
IVTQQVTEAGAARGASLSGGERTAGASGAGYGGPSGGGSLPAVLGNPLELARMMEAGAY
VASLSGRTGEREHS DSGSGESPGDGAGEDAEAISFVRI RTPSDEVLVAPKLGTYTLVVVLQDP
SLSSL

>comp9464_c0_seq1; 382 178 1990 LEN=1990; translated

MIIVRSNARASKNTTGGVSVAVIGRASKNTAGNVSVAMMGRGQKKWRFSSTIAMGFLMIG
LSFNLYITFFIAKHQRASSNWKGTSPSYDSKVITSMMGKTSTTEVTLYCKQQKLPNQR
LQKPKAIVHVGPHKTGSTTLQTNARFLQPMDHVLPPELVPVFNKHSVGEAKNTAHLASCM
NPNRRSESHLLCTPDIENSVLAAFEIFLHEAHCQSKNILLSEEFDRQKTDIARLKSLE
PRFDVEIVVNYRPHYHTWIASLHNELFKTAQKQIKDGITEPYPTIVEWVKFSETMSYWEK
HHTASVYKRFKEHFSTVKVIDMNLKTTGVSLEEAFCNEIPNAPITCEKIRNVTATKSK
KKRRQNQSESLTVYDLIGQIRQKQYFRKITPPIIEIIONQTAKLLSLEQELPPQDRISLV
PRSC LH TIHL DALLALS IQKETELNEELEKFRQRSNYGFHFDPP TVDELSEALTE DFFES
AHELFCPVNSVLVLRWETEKWFQMLLLQEENRKEQARLIAEKERERKEATQKMDWKSIL
KKAVAAQPFAS TQEEVQQNGVPLKESYPKSGLPAHILPEIPIPKLGPPKAPQNPLPKAPQ
PKAPX

>comp9466_c0_seq1; 770 176 2305 LEN=2326; translated
MAAAIMVSLSPPTTAFVFGSRRSNNSDWNRIKTRGSRATLQLSSMRNYLDFDNSGESGM
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PTPYLERAVTLLLEG TGIQVGAQTISSESKGAFTGEVSPSMVRS LGCSYVLVGHSE RRTLY
GESDELVN AKIKLALQEDAGLSVVL CVGETLEEYESLLESVIHFQVTKALNGISSVDAS
TRLVVAYE PVWAI GTGKVATPQQQAQTAHEVVRGALSELYGPETAQTIRIQYGGSVTPDSV
SELMAMPD VDGALVGGASLTADGFSRIVDGAATSEEEKNWSHQQQQFPKELTALEVVS
CKNVLGESPIWSVRDQTLYWISAPEEEVWAWNMIDPPYRRLFGTTIGCIALKAAESSGAG
GNILVAGESAFLETTMGNNDFSS TIFCDRPEQQETTRPNDGRADREGNLVVGMYNNYHRA
GASEGQNNCGLYRLCPTTRTVQSLFPPEYKYRVSNCISFSPDGGTMYFC DTPTRKVYAFD
YPQTTANKNQHQYCTNRRLIWTMPPNLAGGPDGAQVDADGGLWMALSGAGMVVRVHPDRP
GIVDCV VHL PVSPTSCTFGGPNLDEL FVTTRGPDGGGLYRVKMPFGIRGLPEPEFGGGT
EAVAVSANLMLGSSRPASMSASQQRDPQHLLPTFGST DSTVRSYLDL

>comp9469_c0_seq1; 1166 110 2533 LEN=2855; translated
MEGFDEVDIDDLFGGGDMLFDGLDIALDDTLGDIISNDAAPAPVAPPSEPAPAPKTKRT
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RKASAKTKLNDASSVSSAKTKRKL TGTASASIVKGS SHLGASNSLLTKSTKSSMVLPN
SSVAAAGQFGGRLKVKVGTTKV KRKLK KHADGASDSVALAATEVIKPPKPEPTYGGLAPSK
TLFYPPFLESVPAESTMQKRKTYPVMDRLSSTLTSQMLS AKPDPTNPASLGVIEDNAIFKL
MLDTYEGNEKDKNFTPEKRVALLRGIFHLR KIIQKADKNSLVRDVFAMCGLLTREYNFL
KQTLDNMKVWCKNEFDDEKYKETYE PPIEQPKITKWKCHTG VVRV K VACTGFKEAKNSMP
LYAMPLPAIVFNAVLPKPLQSPSAP TTSKASAAANEPKKGSSAASAAIASPKAAMTILAKK
KKKEKQADKLT KVI PPNQVP AVPVKSYADSTPIARRQII ERVSQLALELESSQHKE
KTVDR LDPVPEEQPPLHTTRMWSWLQAAGFYSKAAASKRLVPIKSPKVHSRHPFQTVPTR
ILGHTENEEEEEVEQISSTSLFDRLQSL LVEEVSDDDTDNDEDDDDDEESLSFLDDDDV
GAIESKIKAVEGGKLDKHTKFDVADFSELSREERTFVHLSKAGLIKKPLYPTVELLITNG
ESEENESEGLDHVIGEMCTDLTRM TSINNTRISFIERLTS DSDIYFNKRVEEQAVIVAK
CQNLMKRTKEKAKKAKQKDES LNLPW

>comp9471_c0_seq1; 229 73 513 LEN=674; translated
MTTPSKDTPPCVEPAARNSG STPSEETTCHMLPCNIDFEGMAKTHLFFKPVHVEDGIFAS
SFRGRGLLATRKG FHDEDK TGGHHPYLLSLEDNQIEVKASISNMMEWQHEHNLKSIMYKE
NDSSRLQVAKDWMELSDALHEPLPLE

>comp9471_c0_seq2; 229 73 513 LEN=824; translated
MTTPSKDTPPCVEPAARNSG STPSEETTCHMLPCNIDFEGMAKTHLFFKPVHVEDGIFAS
SFRGRGLLATRKG FHDEDK TGGHHPYLLSLEDNQIEVKASISNMMEWQHEHNLKSIMYKE
NDSSRLQVAKDWMELSDALHEPLPLE

>comp9472_c0_seq1; 439 214 1890 LEN=2138; translated
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AQLTHQYNKAI SYRQIQHFGSYK YRLKEAQCLQAKGNIVEASSVLELIPHHERNLT IHM
TLGQLYIATGRTGSASDCFVRS L MENPMALEAIEWLAVLGT TDKAMVLD AVEKGFKKVSA
QQQQQQMND EERAGRTFAQV RQLDPTNIDCMDLYGQILARENNLDALNQLASTLLEIDDRR
PEAWSALALYHEARQDHEKALAFVEKAI SMDQRNFAHRLKGA ILLADNRPEHA AVSFFK
SNEFKRDVSSYEGLVDSYLLAGKYKEAICAAKEAITAAPRDPRAVTLVGLALQQQVGSN
SVEGMEKAKRALRKALALDPSALRPLLSLVQLHAQEKDYDTCIDLLRQGI EGTSESKSSL
QQQDILQTKLGEIYMAAENYKDAIASFHAALALNPMSTEVQHLL EKLEQQVQGVDTSDHT
DDIVEDSPTS YREG RPSY

>comp9473_c0_seq1; 348 79 1796 LEN=1942; translated
MACISKDNTGPTEKEIAVEGTRLISRTQENKRPVYSWKNIATC IALLFGLAGISFPPTFFR

STNHNLGKKLGEGENSALETISLLQVFPEDFVWGAATSSYQIEGATHEGGRGVTIWDTYC
EEEGNIFDGS SVDVACDHYHRVEEDVRRMMKDLGLKAYRFSIAWARILPNGKLEGGINRMG
IAFYNRLIDELLKYDIEPWWTLFHWDLPOALEDEYGGWLNQNIIVGDFGTYSVCFEAFGD
RVKHWITVNEPWTMAVQGYEDGTPKAPGRTKNPQVEVYLAHHLLLGHARAVRVYREQFLE
TQHGKIGISNSGDFRYPLDSESSLDRDAAERAMVFQYAWLTDPLVFGGEYPLEMRARLDR
LPEFTNSQRQEIIGSLDFMGLNHYSTLYASVKKEASIYGGYWTMDMVEFSGDPSWPKNFM
VSFSKILSCVAKFRSNYCXLTLLIGPKGWNTNPDGCRELLYWISTRYPGIPIVITENGTAE
DDRDLLEGAKNDEGRRKFFEGYIRACREAIMGMVQLEGYFAWSLMDNFEWEYGYTRRFGIC
YVDYDTLKRTPKSSALWYKKTIETRGSNIRMA

>comp9473_c0_seq2; 448 79 1719 LEN=1865; translated
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STNHNLGKKLGEGENSALETISLLQVFPEDFVWGAATSSYQIEGATHEGGRGVTIWDTYC
EEEGNIFDGS SVDVACDHYHRVEEDVRRMMKDLGLKAYRFSIAWARILPNGKLEGGINRMG
IAFYNRLIDELLKYDIEPWWTLFHWDLPOALEDEYGGWLNQNIIVGDFGTYSVCFEAFGD
RVKHWITVNEPWTMAVQGYEDGTPKAPGRTKNPQVEVYLAHHLLLGHARAVRVYREQFLE
TQHGKIGISNSGDFRYPLDSESSLDRDAAERAMVFQYAWLTDPLVFGGEYPLEMRARLDR
LPEFTNSQRQEIIGSLDFMGLNHYSTLYASVKKEASIYGGYWTMDMVEFSGDPSWPKNFM
GWNTNPDGCRELLYWISTRYPGIPIVITENGTAEDDRDLLEGAKNDEGRRKFFEGYIRACR
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SNIRMA

>comp9474_c0_seq1; 525 1 2118 LEN=2167; translated
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APLHSLDTNNVDKGLSCLISTPTATGGKVS KSVPTSTTNVCSPEETGEKKS YIVVEDEREH
HKHDEAE TEKNTDDITAQKDI FAHMMKRSMKVFSEKEAPTSSPKLLQQMHLHKDGTVSL
TCYKIKNAVESRDDIAWSATVQVRGKETATPAIELLISSIPSFGSNASTPQIQQRQR
LVRKHSRLSVPLVLSILQKSIRRRKPLPSVRVASELADKSLGDLRLRPIIILEDSTLHP
SFPFLVWLMADSKNYHLPLFLLKRVLGIVFEMASCRWQDSLKVHEQQKINHNDSTTDI
PSELTLACLHNYKT VSKFSDDNALSTQSGTEFCLSNDELIVWSILMRGQYGGMACDIKML
KGYAALWHQRFFSIQTIPEKTKKILSPHGPCPSITTSDEIVLEEWSQVPVVFVHQSAAKQS
ASRIDRLLMATPMGFSRPSQKAAQNKNNNFVGLISLGKSDLTVEGVDFHCSSILESAIL
LSNPKVVEDCCDHL EADRKYGHGNSSTGNDRRTRSLHSSLRGVLKSCMWKYSAGVNLRL
PLLTAGGSTEDKREGVNDLKQFYENVIKPRTKAFAERYVEDRLSR

>comp9474_c0_seq2; 623 1 2254 LEN=2303; translated
XKIQNTIRRTSAQPPSRFVNIGNEDNINRPKRLTMFEKNSRIMTDSIHSSSDGTIQSSLA
DRTQSTSSPTPSPNRGNNGVHGSATTPQKKHONSNI FSLMMTGSSGKKKRKRNIAGSKQ
TKSRFVECPVCGNHIVPHEMNKHLDACLSRQEKQKQKFESEQRKLTA PLHSLDTNNVDK
SLCISTPTATGGKVS KSVPTSTTNVCSPEETGEKKS YIVVEDEREH HKHDEAE TEKNTD
DITAQKDI FAHMMKRSMKVFSEKEAPTSSPKLLQQMHLHKDGTVSLTCYKIKNAVESRDD
IAWSATVQVRGKETATPAIELLISSIPSFGSNASTPQIQQRQRLVRKHSRLSVPLV
SILQKSIRRRKPLPSVRVASELADKSLGDLRLRPIIILEDSTLHPSFPFLVWLMADSK
NYHLPLFLLKRVLGIVFEMASCRWQDSLKVHEQQKINHNDSTTDIPSELTLACLHNYKT
VSKFSDDNALSTQSGTEFCLSNDELIVWSILMRGQYGGMACDIKMLKGYAALWHQRFFSI
QTIPEKTKKILSPHGPCPSITTSDEIVLEEWSQVPVVFVHQSAAKQSASRIDRLLMATPMG
FSRPSQKAAQNKNNNFVGLISLGKSDLTVEGVDFHCSSILESAILS NPKVVEDCCDHL
EAIDRKYGHGNSSTGNDRRTRSLHSSLRGVLKSCMWKYSAGVNLRLPLLTAGGSTEDKRE
GVNDLKQFYENVIKPRTKAFAERYVEDRLSR

>comp9475_c0_seq1; 143 50 325 LEN=1267; translated
MSVVGNNRVGIPIVVLHDAEGAVVEIETKTGELIRGLLFEAEDQMNL YIKNAI IRDVNGV
KRKSPQVYVRGTEIVFIVLPDMLKHAPMFNR

>comp9475_c0_seq2; 207 50 623 LEN=1076; translated
MSVVGNNRVGIPIVVLHDAEGAVVEIETKTGELIRGLLFEAEDQMNL YIKNAI IRDVNGV
KRKSPQVYVRGTEIVFIVLPDMLKHAPMFNR IKHWRKHGGAPPEGVGQAVGQAAAIIRKA
EEGEEASADASVAAAAGTEAAGGEEASADGAADAETLEAGEAPRRDPLGSAANTGRGEE
LRGIAIVFAGW

>comp9479_c0_seq2; 792 1 2427 LEN=2541; translated
PPPCTNCNDREDSKTMFFQLFVLSFSTFRSSKIVFKRNVFLAAASTCMLLLCCSKSLQH
TGNLVTTARAWSALSTATNKRLIQTNRLLLSAA SGGNSDYGEDKVNGNGPKPREGKTGWN
HNPPKNPDFWNTAEQVEAISKS I KESESKPKFR TGWLHNNE SPTKNGLGSKKKK APEKKS
NAAGKARRRLEEAMKAQRENHRIVSPGALHACGKDRQIVVTEHRMSVPIVHPEKDNEKTD

DPAFRMAMPKAATDFIDVAFTVVEEVKDDQTRLWYENVFPTLTPKQRAAAYVKRCAMDSA
KDMLLYLQGGPGFGAPSPVTALSFAGGGGSWGSALDRYSKVLLDQRGTGKSSPLTKQS
LERRFPNLFAMDEKTEVGATDFVCQETETMNRLENSDPEAFKMFKSGLEEAI AFITQFRAD
NIVRDAELVKDVL MYTPSVDDEEEDVGDEAIGDESSASRPNPWGCSLGQSFGGFCTM TYL
SQIQYPPKIALLTGGIAPMLADSATDVYTS LWKKVKERNLLYDMPGDVDVVKTI VRKL
LQLEKEGSTPRLPSGGKLTARRFLQLGMMLGGTPSSFASMHNLLSSAFLHP IAGKDDSI E
FSRGLKAVDNEQPFDEYPIYFWLHESIYADRNNMSRLAKEQVEDD TVDCATNWSADRAY
QTKLNDRSSGA EYDYAVTSNEDSDLPVLFFGEMVFPWMTEDYSECGGLGCTALAHALATK
KDWGPLYNASQMRAVLKDGRTSAAAVYYDDMYVDFDCSMKVAARGGPLEKCKVCITNDY
QHSGIRDDGETIFNKLHGMATGSIRTPS

>comp9480_c0_seq1; 249 1 719 LEN=744; translated
PDDAIRARRKIPQWFHDDTKGSGYDLV FQDDGSRTL VYAPYAANTGFYYARNNEATQAF
FNALLMSGDLIMATF SHQVALVALLSEHVSLYGLRVK VWNRRSEEFPGGYWYHEAHDKMR
AFVAGELQPYVFHMCWTENKEDKVR YMQQMGQWYLEESCRNTPAGELLGKSGGSVGGGK P
XASFVLPGGAPREVPLPGQAEHPPV PGLSPDRRRRGVLLVSPFGGLGSTGMVQH HNP SY

>comp9480_c0_seq2; 714 8 2214 LEN=2239; translated
MISSRKQKHADHTSGNGVGN GGGSGHVPPKVPKQKHRKKASPCSSLT VVLA CFLSSVLS
FYTGIIYIGWKMERPGLATPDASC GCQEPSRAKPGENHHRAPNHI EWAPV VGAARKE LRPG
ATATGETGEVRDPLLRSAKSKRELAQSIAHNLASAAKNGGGSTESGPGDLAPKTVEESRR
VSARRQAYLERFEADKNTHVFS PRTEFVDRDEFVARFDSLGV PFDTSEQKSNDRVAIVYG
DTSALPEREAVVEGSKKLGFGREPNEKRGVLLSVDDATKNCNNLHVLTNFD RRKECVA
LVGQYESFHLHKL MRASEKPASPKNKSFLIDPSQPLRPVNRNMRDDGGRSIAIPSKDDL
KRNWRNLVPYLSLEETLEKLRPVAESVASHNGRNTVIVMVCNFGQSELLMNFVCNARAR
GLGKELSNILLFSTDKETHELATKVLGLTSFYDEKVF GGMPSKAAEEYGDDIFRKL MFAK
VYCVHVMV SMLGHDL LFQD VDVVWYKDPLS WFHDDTKGSGYDLV FQDDGSRTL VYAPYAA
NTGFYYARNNEATQAFFNALLMSGDLIMATF SHQVALVALLSEHVSLYGLRVK VWNRRSE
EFPGGYWYHEAHDKMR AFVAGELQPYVFHMCWTENKEDKVR YMQQMGQWYLEESCRNTPA
GELLGKSGGSVGGGK PXASFVLPGGAPREVPLPGQAEHPPV PGLSPDRRRRGVLLVSPFG
GLGSTGMVQH HNP SY

>comp9480_c0_seq3; 413 23 1029 LEN=1054; translated
MSYQTEPHPTLPVVCNARARGLGKELSNILLFSTDKETHELATKVLGLTSFYDEKVF GGM
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YDLV FQDDGSRTL VYAPYAANTGFYYARNNEATQAFFNALLMSGDLIMATF SHQVALVAL
LSEHVSLYGLRVK VWNRRSEEFPGGYWYHEAHDKMR AFVAGELQPYVFHMCWTENKEDK V
RYMQQMGQWYLEESCRNTPAGELLGKSGGSVGGGK PXASFVLPGGAPREVPLPGQAEHPP
VPGLSPDRRRRGVLLVSPFGGLGSTGMVQH HNP SY

>comp9482_c0_seq1; 306 144 1034 LEN=1373; translated
MGRKRDLSIFDAIEELDTQDRKADRKRK ETNKERKRAEEVQSQSKIYNHLL ESRI LLQR
AINKANDGTASSSSSSGSSFRKSCNALLEQ LLLARNRLSGSATDADNCKALLGPSASARAD
LHDALQEDYEKHREEWKQILNRKHKNLRLHSGMTAKSQFRIMDSSFWQQVEATMEYEEIR
RGEENTSSAQAGAVVLFDDSKVYQQLLKDFVANSTSNNGTRAGENSAEALRS AKYSNRNS
KKKD VDRKASKGRKIRYKEIPKLVNFTFPLSRPNSSNLDTEEFQSLFGGAGNSGR

>comp9484_c0_seq1; 730 1443 3017 LEN=3227; translated
MSTLSFASQSRRLRIPRALKRVS AIALPSASPASSVERTSRR IYPVAARHKSSSSAS IAD
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GSSVDEQISAWHHDDELDDL LNTETTQYWPDLPPGV RMDADPFQLSKGDVDSLSES IRED
LLGTDHPVLNQAAYFFGDADGGKVRPLMVMLLSRALADTVGGAAAAQNAENKSTESA
LPLFGNQTN TVFSMPLEWQRQDL PRAQRRLAEISEMIHTASLFHDDVIDGSETRRGVS AV
HMVFGNKMAILAGDYLLARASISLARLRHVEVECMSTIEHLVRGEVMQMRGTVSSEGD
QNERMVYYLKKNYKTGSLMANSCKSAALLAECPELVVAAKYGKHVGM AFQLVDDVLD
FEGDVKSMGK PALADL KAGLSTAPVLF AAEY PQL EAMMDRKF KEDGDVETS RALVLQSR
GIERTKELARVHAERAMEAILPWEATEHRDALINLAYKV VQRTT

>comp9484_c1_seq1; 991 489 3218 LEN=3350; translated
MPDPSTCTPLSSYPVTT PKTKHDLLCVRGASVLS SDSVIVFSTSSSELFRKVISYDDKDIV
RNGKPESKASLYSYKDGPEY PGPLSRSLLV LGYADRSLSIIRKIIDAEDDHDEETVVC DG
LHSC TVAVQLADEPKRYERLEKRHKVNSMSFANYMKKLR EKRLVAILARDKYDRFGILSP
FEGPQKQNAQTGF GPNDFARVYIGDVKEVMNWL VASSSGSNRNSDWKPTT PPLPSTGW
KPTT PPLPSTSGNNPW DGN DGDG DGN DDDDDDGPTFRPDDDENNDAGGWRPTT PAA
PPNGNGDNGGNGMPWETTEESTDGGV GSGMPWENNEESARGGGNTMPWESALNEQTSS
SMPWETNEDNDTSGNNNGV GASSMPWDTEASSSDPPMPWATDTSNSDAFSSNKRSFS DM

NADNGAEETDGDANNKSFHTNEGAAAADAFYSGLTRDQKTRDKSILYHMKCFNNWVKA
TQIAELDPSTGSYKQPLRVLDLACGKGGDLTKWTIHKRGIRNYVGDVARGSLKDAERA
RGLRKRNLTKAVFACADLGSVDPGRKRTSSRGMQKLLTWSLEDEAPFENGDPDFRMVA
GGGIAPSDSFDIVSIQFAIHMMQTGARARRFFHTVSQLLDIGGNLAFTTIDARVVVDM
MNLGLNFHFEDGKEPEFSSVVVQTTGGGACRLTFEPHIVKILQCRADGTGGEEEDLFGLEY
TFTLVEGDDHAAGMGDAVNLPEWLIPIPVLVSLGKEAGLELEYAQNHFHEFYQARSDPGTH
RAAHALLGNMKVPNRHGTISDDEWSISRMYMAVRFRKVRRESSIVIDADGETVNENYEEEE
PRVSLGVEETNGAAEEPQRTIELDPIKAKKMYPMAMMKAKRKAGDQWNSFSREEKEDRTQ
IELLQLASK

>comp9484_c1_seq2; 961 489 3386 LEN=3518; translated
MPDPSTCTPLSSYPVTTPKTKHDLCLVRGASVLSSDSVIVFSTSSSELFKVISYDDKDIV
RNGKPESKASLYSYKDGPEYPSGLGIGCGPSIDVVITPSTCCVQDGTTLSSALLMPTSL
SICLFRGSRIRDAETKQAHYPXSLVLVGYADRSLSIIRKIIAEDDHDEETVVCDGLHSC
TVAVQLADEPKRYERLEKRHKVNSMSFANYMKKLREKRLVAILARDKYDRFGILSPFEGP
QKQNAQTGFQPNDFARVYIGDVKEVMNWLVAASSSGGNSNRNSDWKPTTTPPLPSTGWKPTT
PPLPSTSGNPNWDGNGDGDGNGNDGPTFRPDDDENNDAGGWRPTTTPAAPNG
NGDNGGNGGMPWETTEESTDGGVGS GGMPWENNEESARGGNTMPWESALNEQTSSSMPW
ETNEDNDTSGNNGVGASSSMPWDEASSSDPPMPWATDTSNSDAFSSNKRSFSDMNADN
GAEETDGDANNKSFHTNEGAAAADAFYSGLTRDQKTRDKSILYHMKCFNNWVKA
TQIAELDPSTGSYKQPLRVLDLACGKGGDLTKWTIHKRGIRNYVGDVARGSLKDAERARGLR
KRNLTKAVFACADLGSVDPGRKRTSSRGMQKLLTWSLEDEAPFENGDPDFRMVAGGGI
APSDSFDIVSIQFAIHMMQTGARARRFFHTVSQLLDIGGNLAFTTIDARVVVDMNMLG
LNFHFEDGKEPEFSSVVVQTTGGGACRLTFEPHIVKILQCRADGTGGEEEDLFGLEYTFTL
VEGDDHAAGMGDAVNLPEWLIPIPVLVSLGKEAGLELEYAQNHFHEFYQARSDPGTHRAAH
ALLGNMKVPNRHGTISDDEWSISRMYMAVRFRKVRRESSIVIDADGETVNENYEEEEPRVS
LGVEETNGAAEEPQRTIELDPIKAKKMYPMAMMKAKRKAGDQWNSFSREEKEDRTQIELL
QLASK

>comp9485_c0_seq2; 202 125 652 LEN=721; translated
MTTLREATMDDLKFNVNLDVLTETYNMQFYHYMSRWPEAFMVAEGPNNGDIMGYVLG
KAEGEEKLWHGHVSAVTVAPSYRRLGLAKTLMDDFERLCIHTYNAYFVDFVREANNVAQ
EMYEKFGYSTYRRLVGYSGDSPEDAFDMRKALPRDKNKESAIPLGRDVPHELEW

>comp9486_c0_seq1; 328 196 1032 LEN=1832; translated
MENFNGSRQKNVNEIRPDLQDVIDRQCQDNTQLDIRINVGDEETGFLTIONMVIQLGGP
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RPAGTIIFAFNLPRTYSRNKAVLPEGDMWMSFPVWTEEGLKYGQAAKQKVFDEMNFYTRK
WNEELVKYQLTNNPIMKAIHERNAHIFAEKCDNAWDYSLATIPNNDQCHKLQEDLLLSER
GLLWTKDGRADVLLGDADFVSPSCRGKTLSSFSNGRLRP

>comp9486_c0_seq2; 328 196 1032 LEN=2143; translated
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RPAGTIIFAFNLPRTYSRNKAVLPEGDMWMSFPVWTEEGLKYGQAAKQKVFDEMNFYTRK
WNEELVKYQLTNNPIMKAIHERNAHIFAEKCDNAWDYSLATIPNNDQCHKLQEDLLLSER
GLLWTKDGRADVLLGDADFVSPSCRGKTLSSFSNGRLRP

>comp9486_c0_seq3; 328 196 1032 LEN=1969; translated
MENFNGSRQKNVNEIRPDLQDVIDRQCQDNTQLDIRINVGDEETGFLTIONMVIQLGGP
YDSEEAKEHVKLPGSDGEYSVSSGGYNMNILSKGEFVNMDGLQHIDCQKGCWEICWMRG
RPAGTIIFAFNLPRTYSRNKAVLPEGDMWMSFPVWTEEGLKYGQAAKQKVFDEMNFYTRK
WNEELVKYQLTNNPIMKAIHERNAHIFAEKCDNAWDYSLATIPNNDQCHKLQEDLLLSER
GLLWTKDGRADVLLGDADFVSPSCRGKTLSSFSNGRLRP

>comp9487_c0_seq1; 497 153 1994 LEN=2189; translated
MDHREAEDFAIPVEAESASRKTIDNLLCREMMKLSVEQRNDIHEEIHGVRNVAREETPE
LLEHSLKEFGRAFDKIKERANHEEIQQLTDYDYRESRCQSVSFVKQWAEDSNRGRDSDN
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>comp9487_c0_seq2; 221 1351 2313 LEN=2508; translated
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LRQILDKDCYHQSKHDARYNSSSDSSVSSDLTGKQTI VDCPGCSDVLF RSGKAAMVHWN
FLLRDMTETVLDRIYVGTFAEKKEIVVKLISGIYSIGGRFLIWDKNGWKKTTTGEQTYKK
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>comp9488_c0_seq1; 453 1 1278 LEN=1368; translated
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SISSQQLEEARPLYPEKYTDELIVSQSLYWSKAACICAAANESILTGR LFRRLTSEESLP
YIDVSATPKLLAIESQFLGGAGVPEEALVEPSGGGGKQDRSTSTSGATNDL TSLQKRCVE
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SKPGY

>comp9491_c0_seq1; 432 221 1699 LEN=1900; translated
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DPEWDSNPFNATKGLEVARQMG MISR TAHGYSKFGGRDIRNDDANKSIHYGTNALWQVK
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>comp9491_c0_seq2; 214 268 892 LEN=1093; translated
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>comp9492_c0_seq1; 715 1 1133 LEN=1594; translated
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>comp9493_c0_seq1; 612 149 1912 LEN=2134; translated
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>comp9494_c0_seq1; 687 235 1866 LEN=1948; translated
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DDN
>comp9494_c0_seq2; 381 238 897 LEN=979; translated
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>comp9495_c0_seq1; 267 55 639 LEN=734; translated
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>comp9495_c0_seq2; 196 55 485 LEN=881; translated
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>comp9496_c0_seq1; 452 1 3871 LEN=4006; translated
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>comp9497_c0_seq1; 1182 211 3288 LEN=3322; translated
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IVVTEDASTRDPQAETTHEKPS TIEDASTNGNEAKEEANDATNNSEHIH SKPGRSHHES
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DLSVVLGSKERERATAGKNSRRPSLIGLMTKNPSQTKAKTPRRSLLRRRRSKE SRKKNPN
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NKTGAAVLSPTGGIAPERQRTYEDPLIFEASRDPDGP AIDAEPATPPLPPVPERARTL
EDRSIVELQRDPSSGSAEHRTIDADEHLREEATPEPEPTPLLRVETVVRKPRTAIEAATM
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DRAIF
>comp9498_c0_seq1; 815 1 906 LEN=1064; translated
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KLLGMIATEEANAYEKAKIAMMADATDAVTAEFSSSKELKKAALASAI AKLTGKGGKAKA
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LV

>comp9499_c0_seq1; 224 186 1289 LEN=1489; translated
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LGQSLVTLKKVWTPGIAVTLFRLVKQYSSLSARYMDLLACSPLWTKTVTTSVLAVAGDS
IAQYIETHKFSPSVVEGDEGFGKTKDVAVSAF SVGSPFSWLKDYDRRRGISILGENMLIS
GPLLHFSYNFMEQLIPTNGGGKSAFLAALSHSLIDNFILDTIFLAIMFVTTGIAEGYVQE
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RRQKPQQ

>comp9499_c0_seq2; 193 186 1196 LEN=1388; translated
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>comp9500_c0_seq1; 513 159 1732 LEN=1778; translated
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FSTPIPNDEIFRRLSLTNKPI LVVVKIDLEGRAQRPLDTASDEKNNDENEEENEKTYT
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>comp9501_c0_seq1; 384 147 1166 LEN=2361; translated
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>comp9501_c0_seq2; 283 147 1303 LEN=2498; translated
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>comp9501_c0_seq3; 519 147 2021 LEN=2270; translated
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>comp9501_c0_seq4; 443 147 1762 LEN=2378; translated
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>comp9501_c0_seq6; 418 147 2158 LEN=2407; translated
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>comp9501_c0_seq8; 656 147 1901 LEN=2150; translated
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>comp9502_c0_seq2; 452 80 1606 LEN=1704; translated
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>comp9503_c0_seq1; 206 695 1198 LEN=1961; translated
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>comp9503_c0_seq2; 292 695 1561 LEN=1802; translated
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GGGLVAFPLFH YIAVTL SMT PFGGPEFVKENDVDAFVSEFAATFLLMWAIYILNWEFNF
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>comp9504_c0_seq1; 841 1 1345 LEN=1463; translated
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EQEPEEPETE EVKDTDDAKEVPVVDSDVTGDKAADDEEKQAETETEEVQDAADAKEEPT
GESEKPTETEETEETEETEA TQAEAEPEVESAH TQDEPAETETEEVEDPAEAEPEVKS
AAEAEEKPAETE QESVAAD EEPVQSAAEAEDESPTAKQDEPAEAETETEEVVEVTQEEKEE
SKLETTSKEDKA EEPVSK ELEYMVAEYDTLSAENMQLRRQVTYLENQH QSTLASHAVECR
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GDLKKLDELSESV EDEAYAI SDRDEEKQ
>comp9505_c0_seq1; 334 82 1649 LEN=2020; translated
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AFLHVVCDFLGEYALQRP IRLSDFTEPELHTFRTGNLQ LLLPFRDRSGRRIIAGVEGLAIQ
FDADLRFKILFYLLWVGGQDLETQLKGFVVI IWPVSDVAIQHMKNRERLVQVQKERLRGT
PVRTCSFHFCVPDNPLSHMLRMIFTLTLDARKRCRLKFHV GKFSTLLDNIKTLYINAXD
TVFEKEILLTPTS VSNCFHSTAGHPVELQYL VKGYGIPVDHIPLTETGNVKTQNLK VWMK
LRSTIEEGRDGAVNII ECPGSNDVLF RPSKLIKGH PGNVKFQSLIEYYHEQGLGVT AASK
EIVALILKKKGRILVWDKRGWWT KLTDPAQM QFKVSVSYR DYKKKNKGR TQISNSSTFVF
QQEKKRRRLEEATASPTANKSYCDFFSIDGGIRPAALGWLQE
>comp9505_c0_seq2; 374 82 1524 LEN=1895; translated
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AFLHVVCDFLGEYALQRP IRLSDFTEPELHTFRTGNLQ LLLPFRDRSGRRIIAGVEGLAIQ
FDADLRFKILFYLLWVGGQDLETQLKGFVVI IWPVSDVAIQHMKNRERLVQVQKERLRGT
PVRTCSFHFCVPDNPLSHMLRMIFTLTLDARKRCRLKFHV GHPVELQYL VKGYGIPVDHI
PLTETGNVKTQNLK VWMKLRSTIEEGRDGAVNII ECPGSNDVLF RPSKLIKGH PGNVKFQ
SLIEYYHEQGLGVT AASKEIVALILKKKGRILVWDKRGWWT KLTDPAQM QFKVSVSYR DY
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>comp9505_c0_seq3; 316 82 1680 LEN=2051; translated
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FCVPDNPLSHMLRMIFTLTLDARKRCRLKFHV GHPVELQYL VKGYGIPVDHIPLTETGNV
KTQNLK VWMKLRSTIEEGRDGAVNII ECPGSNDVLF RPSKLIKGH PGNVKFQSLIEYYHE
QGLGVT AASKEIVALILKKKGRILVWDKRGWWT KLTDPAQM QFKVSVSYR DYKKKNKGR T
QISNSSTFVFQQEKKRRRLEEATASPTANKSYCDFFSIDGGIRPAALGWLQE
>comp9505_c0_seq4; 225 82 714 LEN=2176; translated
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DKELRLIPGSEKEMYSLSQSRFGRKNSSEEGGSYVNDKEFRLRFLRAELFDARMAASKMV
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>comp9506_c0_seq1; 439 108 1055 LEN=1334; translated
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GGKTCLFYELTQPRGSNSNSWTIATVRSIKSNTGFLEPNGSVLRLLDTPGHWGPQKLVE

VVPLREVQRLVVVVDSTQPVAPAADYLYAILTSTIQRSGSGSSHANGNNDPAVLIACHKGD
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EFCETGRAPLASKKR

>comp9507_c0_seq1; 718 225 1736 LEN=1883; translated
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RGTVEGIRLPLEEDGLLGDDSGGEGASERVVDVIVSEWMGYVLLRESMLDSVLVARDRYL
RRDTGLMFP SHATVLIAPISDESRRTERLADYEDSMADWHDFVDQTYEDYGGVDYSVLTR
DFDREQEWYLTQGEWRELGRSHMVAEPQVLKTLDLTTCCTHEDTRGIFSENSGSGSHGNV
DTNAFDFVIDPKGPYNNSSGGITLAVSGLAVWFTTDFRSRTDPLASREAPVLSTPVKLDT
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>comp9508_c0_seq1; 1075 161 2842 LEN=2871; translated
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LQILRDL SLLQIQMRDLSGFV VTRHNILNLKSNGKINWLAFALAKHLTGD LRGAI SVIDI
YLGTLNDDAPEKSPGFEASELALYKNQILAEIPNNHKEALDHLNECEKVVDRTSLLVTR
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SMIPLTDDQK KILLEAYKTEIYPNYEKS KAVTRIPMNLVTGDRFRSSLDIFMRKQLVGGV
PSLCKELSSFLLVEKEGKYEIASDPVDVKQHSTYALICELVDGYISTLKSSNKLKDDDEF
EPPSTELWALYLRAGLHELAAEYSEGIALLDQCLEHTPTAVDAYELKARLIKAAGDMKL
AVEVIDAGRDLDRQDRYINNQTTKYMLEAGMEKEALDRISMFTKHDGNPEVNLYEMQCSW
YELGLAASFATKKEWGKALKKYS AVVKHFDDFHEDQDFHSYCVRKVTLRAYTDV LKFED
NLWGEDY YYYTAAEGMIKIYLYLHDNPETTKEDAEPDYSKMTAAQRKKAKAIARKKRAQAE
KKEAAEKKKREQQEAENG DQKNGPKKGARPSFIDEDPDGKELVKLDPMNEAKKYSSILSK
HCPKRIGTWSLQYDVAIRRKVLLALQALLRMKNLDSYNAEYVSRLVDFALKVPEIEMAG
AVKNVVTDECSKLLNSKSVGNLVT ELAAEARSDPSTPLLLRIAIAEGLVRTNSEPISQAV
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>comp9508_c0_seq2; 943 161 2800 LEN=2829; translated
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DLLVCCR FEDPTFAGTFXGLLHRGDRNYNEAIKCYKQALRIDADNLQILRDL SLLQIQMR
DLSGFV VTRHNILNLKSNGKINWLAFALAKHLTGD LRGAI SVIDIYLGTLNDDAPEKSPG
FEASELALYKNQILAEIPNNHKEALDHLNECEKVVDRTSLLVTRAIYQYKLGQFAHVKK
TVMDIFDRGLIENFRIHSMYMCATLELDDNILEDAMKLGTRSLASMIPLTDDQK KILLE
AYKTEIYPNYEKS KAVTRIPMNLVTGDRFRSSLDIFMRKQLVGGVPSLCKELSSFLLVEK
EGKYEIASDPVDVKQHSTYALICELVDGYISTLKSSNKLKDDDEF EPPSTELWALYLR
GLHELAAEYSEGIALLDQCLEHTPTAVDAYELKARLIKAAGDMKLAVEVIDAGRDLDRQD
RYINNQTTKYMLEAGMEKEALDRISMFTKHDGNPEVNLYEMQCSWYELGLAASFATKKEW
GKALKKYS AVVKHFDDFHEDQDFHSYCVRKVTLRAYTDV LKFEDNLWGEDY YYYTAAEGM
IKIYLYLHDNPETTKEDAEPDYSKMTAAQRKKAKAIARKKRAQAEKKEAAEKKKREQQEA
ENG DQKNGPKKGARXIFRMKNLDSYNAEYVSRLVDFALKVPEIEMAGAVKNVVTDECSK
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>comp9508_c0_seq3; 1030 161 2975 LEN=3004; translated
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DLLVCCR FEDPTFAGTFXGLLHRGDRNYNEAIKCYKQALRIDADNLQILRDL SLLQIQMR
DLSGFV VTRHNILNLKSNGKINWLAFALAKHLTGD LRGAI SVIDIYLGTLNDDAPEKSPG
FEASELALYKNQILAEIPNNHKEALDHLNECEKVVDRTSLLVTRAIYQYKLGQFAHVKK
TVMDIFDRGLIENFRIHSMYMCATLELDDNILEDAMKLGTRSLASMIPLTDDQK KILLE
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EGKYEIASDPVDVKQHSTYALICELVDGYISTLKSSNKLKDDDEF EPPSTELWALYLR
GLHELAAEYSEGIALLDQCLEHTPTAVDAYELKARLIKAAGDMKLAVEVIDAGRDLDRQD
RYINNQTTKYMLEAGMEKEALDRISMFTKHDGNPEVNLYEMQCSWYELGLAASFATKKEW
GKALKKYS AVVKHFDDFHEDQDFHSYCVRKVTLRAYTDV LKFEDNLWGEDY YYYTAAEGM
IKIYLYLHDNPETTKEDAEPDYSKMTAAQRKKAKAIARKKRAQAEKKEAAEKKKREQQEA
ENG DQKNGPKKGARPSFIDEDPDGKELVKLDPMNEAKKYSSILSKHCPKRIGTWSLQYDV
AIRRKVLLALQALLRMKNLDSYNAEYVSRLVDFALKVPEIEMAGAVKNVVTDECSKLLN

SKSVGNLVTELAEEARSDPSTPLLLRIAIAEGLVRTNSEPISQAVSLIVDVGTDMRGFDI
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>comp9508_c0_seq4; 988 161 2667 LEN=2696; translated
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LQILRDL SLLQIQMRDL SGFVVTRHNILNLKSNKGINWLAFALAKHLTGDLRGAISVIDI
YLGTLNDDAPEKSPGF EASELALYKNQILAEIPNNHKEALDHLNECEKVVVDRTSLLVTR
AIYQYKLGQFAHVKKTVMDIFDRGLIENFRIHSMYMCATLELDDNILEDAMKLGTRSLA
SMIPLTDDQKILLEAYKTEIYPNYEKSKAVTRIPMNLVTGDRFRSSLDIFMRKQLVGGV
PSLCKELSSFLLVEKEGKYEIASDPVDVKQHSTYALICELV DGYISTLKSSNKLLKDDF
EPPSTELWALYLRAGLHELAAEYSEGIALLDQCLEHTPTAVDAYELKARLIKAAGMKL
AVEVIDAGRDLDRQDRYINNQTTKYMLEAGMEKEALDRISMFTKHDGNPEVNLYEMQCSW
YELGLAASFATKKEWGKALKKYS AVVKHFDDFHEDQFDFHSYCVRKVTLRAYTDVLKFED
NLWGEDYYYYTAAEGMIKIYLYLHDNPETTKEDAEPDYSKMTAAQRKKAKAIARKKRAQAE
KKEAAEKKKREQQEAENGDKNGPKKGARXIFRMKNLDSYNAEYVSRLVDFALKVPEIEM
AGAVKNVVTDECSKLLNSKSVGNLVTELAEEARSDPSTPLLLRIAIAEGLVRTNSEPISQ
AVSLIVDVGTDMRGFDIEESCRSALALLNGFGDEASAATEQWKS FVKEQFPIAKNF
>comp9510_c0_seq1; 225 1 989 LEN=1138; translated
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KDFPDFPKHLKQTIDICRRRRRAKIIWVRADYRHKHSPWLSQFERMRGPRNLGEVPCDPSS
PEFTWEEFATPEGGEV IIAKSSWSSTSNTALVDILKVACIETVLCGLITSVCVQHS AFG
IFEAGYR TLLVTDACADRGRARHEAALALYGDYMYELVTSDDLESETKGLIPAEPVWVVL
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>comp9510_c0_seq2; 455 415 1554 LEN=1703; translated
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KQTIDICRRRRRAKIIWVRADYRHKHSPWLSQFERMRGPRNLGEVPCDPSSPEFTWEEFAT
PEGGEV IIAKSSWSSTSNTALVDILKVACIETVLCGLITSVCVQHS AFGIFEAGYR TLL
VTDACADRGRARHEAALALYGDYMYELVTSDDLESETKGLIPAEPVWVVLDEKTNMVRAN
SFPKQVMAPSASTNTVSTASSNTTAGSSSQGSYYNAGGAAEDEDTTVGS LALGDPPGKPC
AAANAVDGLVSVLMVPGQS
>comp9510_c0_seq3; 221 415 815 LEN=815; translated
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LRRIHAAVVVVVAX
>comp9511_c0_seq1; 768 1 2193 LEN=2725; translated
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AACPGTNAGSDGITGGSTTCCA IHPDDEID DGNQEAAALLADQDNRMNAIAKNLCSNDAK
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DRLLIAHGNVLQLIMEQSGVLKDWNYSRVQRTRRTLGGGMYARQWIAVFAESLR LGMNAK
QTEEPK PSETSCGNNTYCSECPQHHDIDRGIHNFYDDEDDDAVDENAALLPLRQRDEFEE
GPLLAPTNYTEHKEDPAEDDQG FHCCTSPKCCLDTTI SESVALIERITETKQPIGILLDL
KSRHVPKRVL SLIVQSLKAAGIRVVG IASFASDIRGVCTSDYYNAYRIADPNTNTTKEI
LMVHSAGDLQAACDEGLVQPGDHVVFNGGSLILDSARSSMIKSL LGFFFDACVCGYTTF
DPCVIEEGYRIQSYGYGCSGVETS GCFDNTPYNNLIGSSGSKDKDSNKNLREMDGDNEAI
IITSSEETDMGVVMRTLADYK KHYGFSMGLYLQEF S IDEKAARLLIDL VNNNPSLYDLGL
AWGGINGMTVHGIQ PGRFTSTDGYXEPAAARQDMERALQVAIASWQRTEDAFGELGGQHA
IHRFVVAPDLK
>comp9511_c1_seq1; 375 1 1205 LEN=1205; translated
XNIENFDNFALPIEIQ LALED TLLGWTHLTSITIGHLLL PCLVFYIVEYASKYVLERTFY
TLSATPESNRAGGAEADPSVEMAIEAVLVSP THAVIGAVAAIAAFRVIRNRRRVWFRHA
YGSKEYMSCAEGRRRRAAVMETDKNPSSLLSLSDYGT EETTVSWTSQIVTNYKKKRHKKK
LKRASDRFERHHSRLSPRNSSSPGCKSPKHS DYESTSIATTEDCYDSSSTGSSENDYAF
PRRKQPRPRTYQHPGHRPGRRTSIAHDAVSI PRIHNVPIAHGGFFGAAPFFLADKRWVK
ILRELLPDVYVEISRRI GGGYYTGMYLRTSSTSDASKLIHWAENNPVVAAYGVFMDMQIQ
RELVQEERERKRRL EGPVAVFGGVDPLYRERMGL LHGSSSS
>comp9512_c0_seq1; 402 1 1874 LEN=2071; translated
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FHSHHEKNIKYVHDGGDDDEGSNGSHNTSIGTPFVALAPRGGGTADGSKKKGKSKKSKRK
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IFPFVTTTFEMAMPCNVWPYIVCVCAQSIVRDRADDLRKEQAAESDPLLQSIDGSVASVGR
AMGASDYDAESTSGGVQASPTSVIANYFLKSHGGAHMLQSASSVLAACGLGCLVMVSRF
SPSTDAASAGAAIANSKWALALLRRTMIFAFIKHVSGLLASASVAAKAI PKIGISESRKW
MEEIVREPVAQYVFYFYTALVLLWLPTKGFLLAGPAQDDGTFTTTIATTWWWPKSRWVVS CFL
MGPILLREIVSNMLIASDVLVLSVGSNNKNGVLERILEVSQSIVNAVMSLLVSPTKWR
ADAQRQEILAGLVSKFSLFLEAGVGGILVVDLAIGLLRMVFGSAVMGGV RPAWHETLTK
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>comp9512_c0_seq2; 465 1 1679 LEN=1876; translated
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AASAGAAIANSKWALALLRRTMIFAFIKHVSGLLASASVAAKAI PKIGISESRKWMEEIV
REPVAQYVFYFYTALVLLWLPTKGFLLAGPAQDDGTFTTTIATTWWWPKSRWVVS CFL
LREIVSNMLIASDVLVLSVGSNNKNGVLERILEVSQSIVNAVMSLLVSPTKWR SADA
RQEILAGLVSKFSLFLEAGVGGILVVDLAIGLLRMVFGSAVMGGV RPAWHETLTKVVIR
LYIHYLIYIRRKNLSKLATEMRGGALQLPFVWLDLSDPAKALGISLPAKAVKDDGEDFS
VREMFCVGFGLGTTSSNS

>comp9513_c0_seq1; 139 1 536 LEN=1175; translated
XGEEDTAPPKRAHGTVILASPSRKRSTLQRNLLLEKSLEDHAKDSSRNNNHGSPRKAKTER
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>comp9514_c0_seq1; 206 176 706 LEN=1485; translated
MAVIPENQEREERLETVGLQMAPSEKRGSVRGENETVVSYNQGSFSPCGPSLGSSDKAET
TSASSVVSFSSSSSEEEGFQLYYYTRAEILRHNTETS AWIVAGEDIYDVTDYIEHHPGGK
YSLMKKVGGAVDCTQDLLFHSRSGQKYWKQFLIGKVTKTPSKNGRPVEKEWKFWE

>comp9516_c0_seq1; 335 129 914 LEN=1132; translated
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DPTLLELELRKEASLEWSAYGKPRRQEEEQERAMREEKERGYSRVKVREREYDDDEYS
SNRTYQMSDEEINQFELEYGLEYPYDDPYSEDEL PDDINFNVDKKYGDRIYDNGEIFY
KEKESGLFYRQGA KPRNLSFW

>comp9518_c0_seq1; 741 1 1495 LEN=1994; translated
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LINRDYTEIGQDFINLDFIPEGTDTSP IVPALTTVFDVALAGGAKSINFQELAADLAVI
TYEFPPRIPPYFALVIRAI SVLEGIALVGNPEFAIIDEAYPIARRLMTDDSPRLRAALR
YMVYGREGEFDAERLIDLLEALEKFKAIRDDGDGTAYKVDGVRGNKV VGSAGDFVGSQVV
DTSERDIDGGFRVSNNNNNNVGGSNLQDQTEEDQETVREGLRFFFSEEGEPFREFML
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>comp9519_c0_seq1; 468 115 1359 LEN=1710; translated
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ILSPKAVERLESYTPENRPLPKIFRMVKKGKIDGAI FKGSTINTPSMLAVEDYIDALEWS
SSIGLPLGLVAKSESNLAVMEKFVEDNEWVDFLAKDAETR SCTSVCCLTDLTPEQIKKFV
AVLESEDVAYDIGGYRDAPPSIRIWCGATVEKEDLEALVPWMKWAYEAIKAGDL

>comp9521_c0_seq1; 464 250 2136 LEN=2136; translated
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FRPKKCHGIAMQFHLIRDRKQLSSFLVPLILSSSKLHSSKTNKGVAGL TAGIEAKEVTGV
IFCVG VGGGSAAFGIGTSPLTYSLSQRMKKCLGILAE TASSNTGSRERSSASGAMAMLS
SSKSLMTSLLLTDDEDRLVNSVVEGEQRIEINQEDQFARRILT TSSKKRQHQQEMDSSSF
GKSNPLQENSADHARILVERMAVLSVFDSDSMLRKYENRQAAREAAATGRSGKKRNRKFA

RDADLGGFDFRGEKRSFSAAKPERNASSNSIGKVGVDVSVSARSSTTSGSNLTLKGPT
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QGSLTSRQLFDFPFGDPKDNIAATNGGPPAKVFNIALNEDLTCFYKVKLSLSSCSVEGVIO
VQVRSNIDRGIPFSLLIHDPSPNYIQSIQENKKYAEVTNDNTTHKFAVSVPKTEEYFPVIR
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>comp9521_c0_seq2; 583 250 2603 LEN=2662; translated
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EFRI

>comp9522_c0_seq1; 241 1 1054 LEN=1054; translated
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>comp9522_c0_seq2; 192 1 412 LEN=412; translated
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>comp9524_c0_seq1; 722 1 2490 LEN=2715; translated
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GCSVGGDDYDYTEKHYRNPRGPLSLSGTTNTRDRITSEDMSRMSSAPSVSMSKLGKMGENL
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>comp9524_c0_seq2; 828 1 2249 LEN=2474; translated
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LSLSGTTNTRDRITSEDMSRMSSAPSVSMSKLGKMGENLFADDASFEEQFLDPEERLDV
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>comp9525_c0_seq1; 196 167 1594 LEN=1955; translated
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PKPKLLPKDYDSCEKPGSCYHDFGGTGNASAAVPIPGFASWP INDRFIAGPYHAVKVVATE
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>comp9526_c0_seq1; 440 259 1845 LEN=1866; translated
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PKEIDCNDAGGFDGAVLNCCEDPFFSVEFIIGGDTYVLEKEDLMVHLETMFGTVCILRIV
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>comp9526_c0_seq3; 1180 259 2922 LEN=3512; translated
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LYDPSKSSSTHELASTDLGRNEFALEYQDGEAIKGEHAKDTLRLGDDDDVRIHQVFAHVTH
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FDEPTPNPTVAPPVHVPSHYEAPKEEQLPDLAGETGTEVTSQLSNTSFLSFGGIAGMIAA
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>comp9527_c0_seq1; 445 264 2315 LEN=2692; translated
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VYDAKLRELFFRICCGSTLPVYECEANAKAAVFS SGT YGYDTATPPQSERFQVLEVGVDI
WYYLVLGIDEEAGSANVHMEGLTWTQRLAWEITTSACTDRISVWAGNGELSEIWIPPF
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LWLDKLVGWSFYVLFMTIESAVIGFLYIREDRVAKKENKRISMNLSARRAMMAGEDG
CVDGNKKEGADECLPLTLQND DALSSKEAIASLDGPGQEGVGNSSERTVRFDASILETTT
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>comp9527_c0_seq2; 336 264 1616 LEN=2838; translated
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WYYLVLGIDEEAGSANVHMEGLTWTQRLAWEITTSACTDRISVWAGNGELSEIWIPPF
NLLNRRTGLEAIPTRATVDYKGTVRMVLQGNMDAFCNFRGLANIPYDTLGCQFLFGITE
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>comp9527_c0_seq3; 436 264 2147 LEN=2840; translated
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NNHINNNDASTVYRNIADGISTCAEIDSFYRANSCSMLGNNNSNGNGNGNDNGNDHQPS
VYDAKLELFFRICCGSTLPVYECEANAKAAVFSSGTGYDTATPPQSERFQVLEVGVDI
WYYLVLGIDEEAGSANVHMEGLTWTQDLAWIITTSACTDRISVWAGNGELSEIWIPPF
NLLNRRTGLEAIPTRATVDYKGTVMVQLQGNMDAFCNFRGLANIPYDTLGCQFLFGITE
GDPTGAAWYSVDFLDGSTTQFASFGLNASYNEWLPIPELAEMGKVPQEVLYFDLYFERA
EAHYVSNILIPTIILTYLSFFFTFLLDVIRIGERLGFGMALCLVVVAQQIVTAQLIVVSNER
LWLDKLVGWSFYVWLFMTIESAVIGFLYYIREDRVAKKENKRISMMNLSARRAMMAGEDG
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>comp9527_c0_seq4; 336 264 1616 LEN=2986; translated
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NNHINNNDASTVYRNIADGISTCAEIDSFYRANSCSMLGNNNSNGNGNGNDNGNDHQPS
VYDAKLELFFRICCGSTLPVYECEANAKAAVFSSGTGYDTATPPQSERFQVLEVGVDI
WYYLVLGIDEEAGSANVHMEGLTWTQDLAWIITTSACTDRISVWAGNGELSEIWIPPF
NLLNRRTGLEAIPTRATVDYKGTVMVQLQGNMDAFCNFRGLANIPYDTLGCQFLFGITE
GDPTGAAWYSVDFLDGSTTQFASFGLNASYNEWLPIPELAEMGKVPQEVLYFDLYFERA
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>comp9528_c0_seq1; 949 206 2975 LEN=3125; translated
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QKMKPMPVTGYDARAIEEYDMRPLQVWRLNLTGFPLLFWYCRLLIDNANGVLGLPSVQ
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IRSELKDVRQRMGSPATWKDSFRKRREASSKLEKIVANDPVLSLFEFDNDNQAVASAS
IGQVYKARIRKGPQLEAALGPPELAVEWGGKVVAIKVQRPDVASSVSLDMYLIRRTAGWLS
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DGEKKEIDWVRLRDLRLAQAQARSQYNPADDEEEEGENS AKLSRQTIELFYKFLTSKTGL
FLKRPLVHELAE AIDGMASIGEANLLRATNGLLPSLPGMNGPVNTRVMSEMQLLDTFQS
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>comp9528_c0_seq2; 1028 206 2890 LEN=3040; translated
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QKMKPMPVTGYDARAIEEYDMRPLQVWRLNLTGFPLLFWYCRLLIDNANGVLGLPSVQ
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IRSELKDVRQRMGSPATWKDSFRKRREASSKLEKIVANDPVLSLFEFDNDNQAVASAS
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TGKAADVNFQAKLQAEALDAISRENLEFSTPPFFTVIIRSLTILEGVALSVNPRFRLVRGS
YPYVLRSLLOPENDERTPVALQNLIRLLTIDGEGKEIDWVRLRDLRLAQAQARSQYNPA
DDEEEEGENS AKLSRQTIELFYKFLTSKTGLFLKRPLVHELAE AIDGMASIGEANLLRAT
NGLLPSLPGMNGPVNTRVMSEMQLLDTFQSALATDDDDGNTNSSGQARLLAMGQVVEEM
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>comp9530_c0_seq1; 365 228 1397 LEN=1713; translated
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VGLGAGEIEDLADRSGSIARRAVQEHYRDHGHGDPPLPDARFVLGSLGPLVESYRPDLLL
PRREGVGHYERACLALAPHADAFLAETMSCVEESLQVLGGLAEAAAKRPPPGHGWPLLV
SYSLGSGGDFRDGEDLSRGLRRLERAGEQRPVVELLAILFNCCGPEAITRALERIHADA
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>comp9530_c0_seq2; 263 228 1527 LEN=1843; translated

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>comp9531_c0_seq1; 513 320 1504 LEN=1552; translated
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>comp9533_c0_seq1; 182 105 689 LEN=906; translated
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>comp9534_c0_seq1; 215 251 523 LEN=883; translated
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>comp9535_c0_seq1; 219 1 898 LEN=1317; translated
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GHWSRFVNHDERPNLVVETSLAPEPSARFRAIRDIAAGEELCFDYGPVYFYARGITPAPG
TESRTVSLAPRPVDEAAVEEERAWAASGLPDAPATVDEIGRVLSSAAVSEGAKKAALARA
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>comp9536_c0_seq1; 179 261 1136 LEN=1770; translated
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SSDVVFKRGGSAVHNAGNSKFRSIIQKKYEEGDFCTCKTQSALVDELQKELTLGGFRIVW
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>comp9536_c0_seq3; 196 322 1245 LEN=2667; translated
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CKTQSALVDELQKELTLGGFRIVWNEKLSRFFHSTDKKTIQSKVEYSIRSFREKDSQSV
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>comp9536_c0_seq5; 258 322 1812 LEN=2446; translated
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CKTQSALVDELQKELTLGGFRIVWNEKLSRFFHSTDKKTIQSKVEYSIRSFREKDSQSV
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>comp9537_c0_seq1; 1194 383 4554 LEN=5232; translated
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STTSTGNLHSLQSMVNSSSERSNLSSGEKEIKRVALKARITMFPQFEGKLEELKYTATEM
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SVIQQERKQA

>comp9538_c0_seq1; 491 1 1496 LEN=1714; translated
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NAVRREILLTRDSEERLRIVLGELEVVGMARARKLASSITDESDESEKDLKVGKPLPP
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WRPQQAEANDNKTTRHDTTRNRMAEPEIASPGSSAAVVLASEEDKRETKNETTNPISHRDA
RSEDANEHKAANDSFPSPDFAFVNNGLLRWQAARSEWCSSGGSPASRAPASFSAVQLDVDE
VIDVLFDPXVEGGSPQDERLDPVPGSPAVPEERPFADDRCPDGPLGGGGAGRVVWCGAV
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>comp9538_c0_seq2; 565 713 2228 LEN=2228; minus strand; translated
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GSAILFRVVS CRVLLSFASALLRPPAELVVAEAGELVLLPVVEADREEHLVPDRDRVH
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GHLLGVGHLDGGEPEGLLPAPLGLLEDGLLERAQLGLLRRVVFQALGEQGLDVPHRLVDELG
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>comp9538_c0_seq3; 491 1 1496 LEN=1977; translated
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NAVRREILLTRDSEERLRIVLGELEVVGMARARKLASSITDESDESEKDLKVGKPLPP
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>comp9538_c0_seq4; 565 450 1965 LEN=1965; minus strand; translated
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SPLLTKASGDGKESFAALCSFASDRASRWEGFVVSFLVSRLLSSEARTTAAEPEGDAIS
GSAILFRVVS CRVLLSFASALLRPPAELVVAEAGELVLLPVVEADREEHLVPDRDRVH
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LPELPQDDPQPLLAVAGEEDLPANGIGEVEGQLRRHDGHRLPALVGLDVVHQAGLEDLPDG

GHL LGVGHLDGGEPEGLLPAPLGLLEDGLLERAQLGLLRRVFQALGEQGLDVPHRLVDELG
GFHAPEAVVVIVLVVVVVLESTDGGKHVAVALVGVVVDLVDLDRDRKGDGADDLPDHEP
PSPPAEQVRGRGQVVVVVLALGRGG

>comp9540_c0_seq1; 950 237 3827 LEN=4055; translated
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DLLVQLPAICNLIERSQCQIKKGPISQDDFKVANRVLGIGGRLSRQQVNIIFELFDLDHDG
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QKVIRYEGFQGLYRGLLPPLLAAGPEKFKITVNDMLRGLVLSKDNGSSTQWLTEIVSGGC
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KGAAAACLMRDIPFGAIYFPAYAACMDYLVNRDGSAGASSSSILISGTLAAIPASLLTNPM
DLVKTRLQVASRPGEEERYSGIGDCIRKVYKTEGPWAFFKGSFPRVARIAPQFGLSLFAYE
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>comp9541_c0_seq1; 919 107 2701 LEN=3152; translated
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HFNGAARTRSEFTSLFQSKTAAHASLLQRFESTLTSLSGSVPLHPSLVAIARGSGRIMESL
LDTVPVERERAWAQCKTSHDRLLVLF AEVDAEFGKIGTAASREEETRQDLMAEEHIQQL
SDVVQGDVQDLRDRQAQRVERLTADHGKVLQIIMDAMNAEVVEGKEDEVQKAFTPLRQIS
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AREKFLRGSGRHLMPPFFEIFVPTLATPPPLFTPQMPALAEELDTLPDIGSAIEDIETDAS
MQAGGTDGGGGGVSSASSLTFAESNIHVQQEKISSSGATDTVDETI PSADGLAHGHNQQG
DQLIVSAEENSGNEDTIMNPAGGTEEAERKTLAYENAILRQTLERMGGKAPKAYIEEAQA
KDVSFSEVEVLRKELEATKLKAVAAEDALAKVQAEATKKVKEEKSSPKKQCDKISHSSFG
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>comp9542_c0_seq1; 691 381 1991 LEN=2931; translated
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FMVHDKDKFTDDIVPLYFNLT KYKSFQRQLSLYGFQRVTVGPNKGLRFHDKLRRGQADLV
RQMKPVGYKPRNLARLVERQNQRQREQQQQQQQQQQIQHQEFNGGTTNITTTTTTIKMT
TTSTTSVGNPAPPDISTTDGFGTKPSPDLSTSI LPVVSTGSLMKQEDQETGSTIVGSLQ
HTDILDQTNDCVHNI SLEAKPRSAI PPPADTGAASSNATADGSILYGMKSPPNYGOQNST
IVGRSKEGLEKVSFEGMSFHPMVPTRRELTINVKLKLLLEEFNPASSLLQLASKYVTPGYTT
EPIVSTTPAPSRVPSLPTIDA VDPDRPSLLEPFTDLVSATASAAAASTASAI AALHSASA
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>comp9542_c0_seq2; 919 381 1991 LEN=3065; translated
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TTSTTSVGNPAPPDISTTDGFGTKPSPDLSTSI LPVVSTGSLMKQEDQETGSTIVGSLQ
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IVGRSKEGLEKVSFEGMSFHPMVPTRRELTINVKLKLLLEEFNPASSLLQLASKYVTPGYTT
EPIVSTTPAPSRVPSLPTIDA VDPDRPSLLEPFTDLVSATASAAAASTASAI AALHSASA
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>comp9542_c0_seq3; 262 381 839 LEN=964; translated
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FMVHDKDKFTDDIVPLYFNLTKYKSFQRQVRS

>comp9543_c0_seq1; 190 249 685 LEN=685; translated
MPPPFSGVPQTGHWAGASASAVGRGVFLLSVGFALVGLWHLHGAATSNPSNEVGDAVAVL
PERRHSELRELSRKVDDEREERQKELSDHYKYSLLKLSRQNLANTTDQRLAIAAEDTAK
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>comp9544_c0_seq1; 920 51 2929 LEN=2988; translated
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DSYLAGQFSAADICVSVWCSSAISKFDLVSSKRKVSCDWLVKILKALQPYDENGEISKRL
VALEIGEVS ETVGDLKINSASND AFEDNETVQKLR ELGLEFDVYAHEACMTADDLVANVP
LPSSKETHTKNLFFKDKKHGLFLVTHATSTMFNTKQLGSKLNLQGVNMR LANSEVLEKH
LNVKSGSVGPLCIVNDESKEVTLVVDKFLVDGSYDFI HSHPLRNDASLKMKPSVMEEFFK
KIGIEPVVDFSAEDASGGGPPDGSKKMTSGK GKQKVP PPKKQKVS NQNEKGKTKLALQY
KKSENFPMWYSNVIVLSEMISYYDISGCYILRPWSYKIWDLMQQWFNKKDGV DSTFVLF
CFVELDILVVPILLERAIDVFHVS MFLNVPDLKLG VENCYFPLFVSQDRLEKEKDHVEGF
APEVAWVTKSGDGELAKQIAIRPTSETIMYPAFSDWIKSHRDLPLKLNQWSNVVRWEFKD
PTPFLRSREFLWQEGHTAHATFEEADEMVAALDLYKQAYQDLLCVPVPIPGFKTEHEKFA
GGHQT TTV EAYIPI SGRAIQGATSHNLGQNF GKMF DIKFQDET GASKIAWQTSWGLTTRT
IGVMVMVHGDDKGLVMP PRVSPVQAVIVPILSKLLMEDANPYCVSVLQDLESQGLRAKY
DDRTMYNPGWKYNHWEQKGVPIRIE VGP TDIEKYQVRAVIRHNGK KIDLPLEGLGVHLRE
MLEDIHQEMFDKASAERDNHLVQVTEWKDFVPNLEKNNLVLTPWCGPEHEDWEEWVKKTS
REESLVNLGEEAEDERTATSVAAKTLCIPFDQPEL PKGSKCIASGMPATCWVLWGRSY

>comp9544_c0_seq2; 869 51 3036 LEN=3095; translated
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LLEFMFPTRSEKDSENSAIDFLSKLEDYLGKNGGDSYLAGQFSAADICVSVWCSSAISK
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EDNETVQKLR ELGLEFDVYAHEACMTADDLVANVPLPSSKETHTKNLFFKDKKHGLFLVTH
ATSTMFNTKQLGSKLNLQGVNMR LANSEVLEKHLNVKSGSVGPLCIVNDESKEVTLVVD
KFLVDGSYDFI HSHPLRNDASLKMKPSVMEEFFK KIGIEPVVDFSAEDASGGGPPDGSK
KMTSGK GKQKVP PPKKQKVS NQNEKGKTKLALQYKKSENFPMWYSNVIVLSEMISYYDIS
GCYILRPWSYKIWDLMQQWFNKKILKLG VENCYFPLFVSQDRLEKEKDHVEGF APEVAWV
TKSGDGELAKQIAIRPTSETIMYPAFSDWIKSHRDLPLKLNQWSNVVRWEFKDPTPFLRS
REFLWQEGHTAHATFEEADEMVAALDLYKQAYQDLLCVPVPIPGFKTEHEKFAGGHQTTT
VEAYIPI SGRAIQGATSHNLGQNF GKMF DIKFQDET GASKIAWQTSWGLTTRTIGKFGSL
TFLDDNISTNHGTDHSTDGVVSSIETT VATDHF SARIGVMVMVHGDDKGLVMP PRVSPVQ
AVIVPILSKLLMEDANPYCVSVLQDLESQGLRAKYDDRTMYNPGWKYNHWEQKGVPIRI
E VGP TDIEKYQVRAVIRHNGK KIDLPLEGLGVHLREMLEDIHQEMFDKASAERDNHLVQV
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>comp9544_c0_seq3; 971 51 2804 LEN=2863; translated
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DSYLAGQFSAADICVSVWCSSAISKFDLVSSKRKVSCDWLVKILKALQPYDENGEISKRL
VALEIGEVS ETVGDLKINSASND AFEDNETVQKLR ELGLEFDVYAHEACMTADDLVANVP
LPSSKETHTKNLFFKDKKHGLFLVTHATSTMFNTKQLGSKLNLQGVNMR LANSEVLEKH
LNVKSGSVGPLCIVNDESKEVTLVVDKFLVDGSYDFI HSHPLRNDASLKMKPSVMEEFFK
KIGIEPVVDFSAEDASGGGPPDGSKKMTSGK GKQKVP PPKKQKVS NQNEKGKTKLALQY
KKSENFPMWYSNVIVLSEMISYYDISGCYILRPWSYKIWDLMQQWFNKKILKLG VENCYF
PLFVSQDRLEKEKDHVEGF APEVAWVTKSGDGELAKQIAIRPTSETIMYPAFSDWIKSHR
DLPLKLNQWSNVVRWEFKDPTPFLRSREFLWQEGHTAHATFEEADEMVAALDLYKQAYQ
DLLCVPVPIPGFKTEHEKFAGGHQTTTVEAYIPI SGRAIQGATSHNLGQNF GKMF DIKFQD
ETGASKIAWQTSWGLTTRTIGVMVMVHGDDKGLVMP PRVSPVQAVIVPILSKLLMEDAN
PYCVSVLQDLESQGLRAKYDDRTMYNPGWKYNHWEQKGVPIRIE VGP TDIEKYQVRAVIR
HNGK KIDLPLEGLGVHLREMLEDIHQEMFDKASAERDNHLVQVTEWKDFVPNLEKNNLVL
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>comp9544_c0_seq4; 933 51 2905 LEN=2964; translated
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DNETVQKLRRELGLEFDVYAHEACMTADDLVANVPLPSSKETHTKNLFFKDKKHGLFLVTH
ATSTMFNTKQLGSKLNLQGVNMRLANSEVLEKHLNVKSGSVGPLCIVNDESKEVTLVVD
KFLVDGSYDFI HSHPLRNDASLKMKPSVMEEFFKKIGIEPVVDFSAEDASGGGPPDGSK
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GCYILRPWSYKIWDLMQQWFNKKILKLG VENCYFPLFVSQDRLEKEKDHVEGF APEVAWV
TKSGDGELAKQIAIRPTSETIMYPAFSDWIKSHRDLPLKLNQWSNVVRWEFKDPTPF LRS
REFLWQEGHTAHATFEEADEMVMAALDLYKQAYQDLLCVPV I PGFKTEHEKFAGGHQTTT
VEAYIPI SGRAIQGATSHNLGQNF GKMFDIKFQDET GASKIAWQTSWGLTTRTIGVMVMV
HGDDKGLVMP PRVSPVQAVIVPILSKKLLMEDANPYCVSVLQDLESQGLRAKYDDRTMYN
PGWKYNHWEQKGVPIRIE VGP TDIEKYQVRAVIRHNGKKIDLPLEGLGVHLREMLEDIHQ
EMFDKASAERDNHLVQVTEWKDFVPNLEKNNLVLTPWCGPEHEDWEEWVKTSREESLVN
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>comp9544_c0_seq5; 907 51 2935 LEN=2994; translated
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DSYLAGQFSAADICVSVWCSSAISKF DLVSSKRKVSCDWLVKILKALQPYDENGEISKRL
VALEIGEVS ETVGDLKINSASNDAFEDNETVQKLRRELGLEFDVYAHEACMTADDLVANV
LPSSKETHTKNLFFKDKKHGLFLVTHATSTMFNTKQLGSKLNLQGVNMRLANSEVLEKH
LNVKSGSVGPLCIVNDESKEVTLVVDKFLVDGSYDFI HSHPLRNDASLKMKPSVMEEFFK
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K KSENFP MWYSNVIVLSEMISYYDISGCYILRPWSYKIWDLMQQWFNKKILKLG VENCYF
PLFVSQDRLEKEKDHVEGF APEVAWVTKSGDGELAKQIAIRPTSETIMYPAFSDWIKSHR
DLPLKLNQWSNVVRWEFKDPTPF LRSREFLWQEGHTAHATFEEADEMVMAALDLYKQAYQ
DLLCVPV I PGFKTEHEKFAGGHQTTTVEAYIPI SGRAIQGATSHNLGQNF GKMFDIKFQD
ETGASKIAWQTSWGLTTRTIGKFGSLTFLDDNISTNHGTDHSTDG VVSS IETT VATDHF S
ARIGVMVMVHGDDKGLVMP PRVSPVQAVIVPILSKKLLMEDANPYCVSVLQDLESQGLRA
KYDDRTMYNPGWKYNHWEQKGVPIRIE VGP TDIEKYQVRAVIRHNGKKIDLPLEGLGVHL
REMLEDIHQEMFDKASAERDNHLVQVTEWKDFVPNLEKNNLVLTPWCGPEHEDWEEWVK
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>comp9544_c0_seq6; 882 51 3030 LEN=3089; translated
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LLEFMPFTRSEKDSSENSAIDFLSKLEDYLGKNGGDSYLAGQFSAADICVSVWCSSAISKF
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DNETVQKLRRELGLEFDVYAHEACMTADDLVANVPLPSSKETHTKNLFFKDKKHGLFLVTH
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KFLVDGSYDFI HSHPLRNDASLKMKPSVMEEFFKKIGIEPVVDFSAEDASGGGPPDGSK
KMTSGK GKQKVPKQKQVSNQNEKGKTKLALQYK KSENFP MWYSNVIVLSEMISYYDIS
GCYILRPWSYKIWDLMQQWFNKKDGV DSTFVLF TCFVELDILVVPILLERAIDVFHVSMF
LNVPDLKLG VENCYFPLFVSQDRLEKEKDHVEGF APEVAWVTKSGDGELAKQIAIRPTSE
TIMYPAFSDWIKSHRDLPLKLNQWSNVVRWEFKDPTPF LRSREFLWQEGHTAHATFEEAD
EMVMAALDLYKQAYQDLLCVPV I PGFKTEHEKFAGGHQTTTVEAYIPI SGRAIQGATSHN
LGQNF GKMFDIKFQDET GASKIAWQTSWGLTTRTIGVMVMVHGDDKGLVMP PRVSPVQAV
IVPILSKKLLMEDANPYCVSVLQDLESQGLRAKYDDRTMYNPGWKYNHWEQKGVPIRIE V
GPTDIEKYQVRAVIRHNGKKIDLPLEGLGVHLREMLEDIHQEMFDKASAERDNHLVQVTE
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>comp9544_c0_seq7; 818 51 3161 LEN=3220; translated
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LLEFMPFTRSEKDSSENSAIDFLSKLEDYLGKNGGDSYLAGQFSAADICVSVWCSSAISKF
DLVSSKRKVSCDWLVKILKALQPYDENGEISKRLVALEIGEVS ETVGDLKINSASNDAFE
DNETVQKLRRELGLEFDVYAHEACMTADDLVANVPLPSSKETHTKNLFFKDKKHGLFLVTH
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KMTSGKQKQKVPKQKQVSNQNEKGKTKLALQYKKSENFPMWYSNVIVLSEMISYYDIS
GCYILRPWSYKIWDLMQQWFNKKDGV DSTFVLF TCFVELDILVVPILLERAIDVFHVSMF
LNV PDLKLG VENCYFPLFVSQDRLEKEKDHVEGFAPEVAWVTKSGDGELAKQIAIRPTSE
TIMYPAFSDWIKSHRDLPLKLNQWSNVVRWEFKDPTPFLRSREFLWQEGHTAHATFEEAD
EMVMAALDLYKQAYQDLLCVPVPIPGFKTEHEKFAGGHQTTTVEAYIPIISGRAIQGATSHN
LGQNF GKMFDIKFQDETGASKIAWQTSWGLTTRTIGKFGSLTFLDDNISTNHGTDHSTDG
VVSSIETT VATDHF SARIGVMVMVHGDDKGLVMP PRVSPVQAVIVPILSKKLLMEDANPY
CVSVLQDLESQGLRAKYDDRTMYNPGWKYNHWEQKGVPIRIE VGP TDIEKYQVRAVIRHN
GKKIDLPLEGLGVHLREMLEDIHQEMFDKASAERDNHLVQVTEWKDFVPNLEKNNLVLT
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>comp9544_c0_seq8; 856 51 3060 LEN=3119; translated
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WAGCAKTL SGLIPSLGLWMDHDEILVEWIDSAAVLEKDS ENSAIDFLSKLEDYLGKNGG
DSYLAGQFSAADICVSVWCSSAISKFDLVSSKRKVSCDWLVKILKALQPYDENGEISKRL
VALEIGEVS ETVGDLKINSASND AFEDNETVQKLR ELGLEFDVYAHEACMTADDLVANVP
LPSSKETHTKNLFFKDKKHGLFLVTHATSTMFNTKQLGSKLNLQKVMRLANSEVLEKH
LNVKSGSVGPLCIVNDESKEVTLVVDKFLVDGSYDFI HSHPLRNDASLKMKPSVMEFFK
KIGIEPVVDFSAEDASGGGPPDGSKKMTSGKQKQKVPKQKQVSNQNEKGKTKLALQY
KKSENFPMWYSNVIVLSEMISYYDISGCYILRPWSYKIWDLMQQWFNKKDGV DSTFVLF T
CFVELDILVVPILLERAIDVFHVSMF LNV PDLKLG VENCYFPLFVSQDRLEKEKDHVEGFA
PEVAWVTKSGDGELAKQIAIRPTSETIMYPAFSDWIKSHRDLPLKLNQWSNVVRWEFKD
PTPFLRSREFLWQEGHTAHATFEEADEMVMAALDLYKQAYQDLLCVPVPIPGFKTEHEKFA
GGHQT TTV EAYIPIISGRAIQGATSHNLGQNF GKMFDIKFQDETGASKIAWQTSWGLTTRT
IGKFGSLTFLDDNISTNHGTDHSTDGVVSSIETT VATDHF SARIGVMVMVHGDDKGLVMP
PRVSPVQAVIVPILSKKLLMEDANPYCVSVLQDLESQGLRAKYDDRTMYNPGWKYNHWEQ
KGVPIRIE VGP TDIEKYQVRAVIRHNGKKIDLPLEGLGVHLREMLEDIHQEMFDKASAER
DNHLVQVTEWKDFVPNLEKNNLVLTWCGPEHEDWEEWVKKTSREESLVNLGEEAEDERT
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>comp9545_c0_seq1; 407 340 1433 LEN=1471; translated
MNMNTITNEAYGSVLLSFR AFVIAASSSIENIASVTTTRDLXVQSRFNSFSSTPKRSPY
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EAYHILLDDDDFAARFQVGHSNKVALACELYSLEDELELDRFHDVYALEMDFGSGEGEDK
SRDNQDEEQDQNGADEKGENHNF SADKEGSSSSSITTKSLVQTSSCKKRILVHAHPEDSV
SDLKRQLEEDHGVEWGLRQPRHPNSRSADDSLERRKDRDGLSIGWELLVLRESSDDDSIL
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KHDA

>comp9547_c0_seq1; 275 513 1211 LEN=1268; translated
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SSTMGKHKNLKLANKTYDII LKRAYSDLGSLLED RVSKPFLPQLHPDTVVSTVIKRLDSL
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>comp9548_c0_seq1; 439 1 1166 LEN=1288; translated
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DIDSVSKGEGKSSEGESESEREEASNGNDSSDEEKEEEDPEESSDEDDAPLQERILKES
KGRAKLASRRQKSRAL EEA TKRLAALKRERKTQVREGTAEDDERPEKSSGNKQSAASK
TRKKKNKHKPT EVSSKRADFYGRGARRLNE SGLGVDIGAHR YKPM DPRLSNLTGHFDEDR
FHNYAFLEEMRNKEIGQVRKRIA AHRATGNKGNRLRRKAGITQADGSHSSTLEEDVARL
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RKGEKGV EKI LEKKRKNKSRDASFLSR

>comp9549_c0_seq1; 331 94 1365 LEN=1365; minus strand; translated
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PVVGRVGRQALQGF FERQVGRDHP PGGDRPADAPGQELPGGLLHRHRAGRTGPQEV AHL
HAGGLPVAPPDGDGDTKATGPWAALLLAQDDAQEGGRGHHDPAAGAAACDPARKKA
PLHHLGPVPLEDGKHRGHAEP LLLGGGLPGGLLGGGLGGLPLGGLVGGDVPPQLRGGFQ
QLLREGGGGIVFGFGCVFVFAFALREEPGIAAAAANREKGGSPARSPWGRSESLGNEQGGA
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VLWS

>comp9550_c0_seq1; 169 1 503 LEN=978; translated

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DIPREGITFVDPKPHSTDHWIEQAFRQPIGLPEEMVPQIWRDKTRSKKRGMRGSKVVPKPQ
PELSEEEKADEEEYQSSLMRWIDVDSRREKLEETAEKRI LQSPRNDL
>comp9550_c0_seq2; 169 1 503 LEN=1007; translated
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DIPREGITFVDPKPHSTDHWIEQAFRQPIGLPEEMVPQIWRDKTRSKKRGMRGSKVVPKPQ
PELSEEEKADEEEYQSSLMRWIDVDSRREKLEETAEKRI LQSPRNDL
>comp9551_c0_seq1; 313 533 1540 LEN=2098; translated
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PIYAFGASSGGKFVSSIAEPLKINHGILLSGFISQISANSNHQQHRRPVESNEDSNDKSS
DSLQCQVYITMIRDSRTDDAARGIVDECNDSSDQSATNRCKHIQLPALPMIPSYFSDRIP
DISVAESSDMVRVFRDAGFLDEITNELREDPRQSNWRQTLLMSVH SVAGPSLEFMKRGDS
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>comp9552_c0_seq1; 686 221 3081 LEN=3200; translated
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KKAGNDWNTWKEETIRVNI PAGKNQILKLLASANPGPNVDNVALKLVRSPTPPSSSPNDQ
EEPIDYAVILRENECLPKGSFEES ENKGFDFGLDGVRIVVRNKTTLEILWSLRVQEEEE
TLLCMERNGLSVTLQVKDSLPLCDTKATGIYERTYSFTFGINNVGKIAVLLDNKHL LWTG
GLESDQPSVPLTPKPKMLKPTS IATAIPSLAPTTRIP IVSPNAFQPPDEKDLQYKAVLSEN
EYFGREEFAQSLSGFEFEIGLSKAGSLLVRKTRKTSEV VVWLEDSMGRI IIGDKLYMQNDG
NLVMRRGDNSAVWTSK SANADGPSQYSFGINNCGRVAVFGASNSTDILWTAGIQNCIDK
TPSDPQTIPPVSNPMLSPSP IETPSPE SRRPTSVSFSVVLRSNEQLIGRGKFASSPNGQY
EVGLDSKTGR LIIMRTISNNELWTLRDKSGDEILNISKIYMQSDGNLVMKSSSNEGLWNS
ETSQNP GGFEFRIDDSGQLSVNFQGTPLWIDGLPRAIYTG PSSSDLI FPVRYGFYYAWYPE
TWTVGGEQVKYRPNLGTIPEGT YRSRSDP VVVKNHVEALDYAWADLSIVSCKFMVDAXNFS
STVADFSAPLI IALTKIFSTGWGPSDR LDRARITQLLDE TADQDSSIKWTVYYEDEMNFN
KSVDQLMADLDYLKEWFAWHESWAHKDGKPVIFIWNESNCEVADRWTVAAKSAGWYLV LK
LFKNYLDCTNQPD SWHQYGVGRTYLEY PMSFTIGPGFFRADADQPEISRAPIATFC SWVA
EMNLSNKDWQLVVSFNEWGEGTAVESAVEWQSDSGYGSYLDCLHDPNVLYTRA
>comp9552_c0_seq2; 639 221 2808 LEN=3370; translated
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KKAGNDWNTWKEETIRVNI PAGKNQILKLLASANPGPNVDNVALKLVRSPTPPSSSPNDQ
EEPIDYAVILRENECLPKGSFEES ENKGFDFGLDGVRIVVRNKTTLEILWSLRVQEEEE
TLLCMERNGLSVTLQVKDSLPLCDTKATGIYERTYSFTFGINNVGKIAVLLDNKHL LWTG
GLESDQPSVPLTPKPKMLKPTS IATAIPSLAPTTRIP IVSPNAFQPPDEKDLQYKAVLSEN
EYFGREEFAQSLSGFEFEIGLSKAGSLLVRKTRKTSEV VVWLEDSMGRI IIGDKLYMQNDG
NLVMRRGDNSAVWTSK SANADGPSQYSFGINNCGRVAVFGASNSTDILWTAGIQNCIDK
TPSDPQTIPPVSNPMLSPSP IETPSPE SRRPTSVSFSVVLRSNEQLIGRGKFASSPNGQY
EVGLDSKTGR LIIMRTISNNELWTLRDKSGDEILNISKIYMQSDGNLVMKSSSNEGLWNS
ETSQNP GGFEFRIDDSGQLSVNFQGTPLWIDGLPRAIYTG PSSSDLI FPVRYGFYYAWYPE
TWTVGGEQVKYRPNLGTIPEGT YRSRSDP VVVKNHVEALDYAWADLSIVSCKFMVDAXNFS
STVADFSAPLI IALTKIFSTGWGPSDR LDRARITQLLDE TADQDSSIKWTVYYEDEMNFN
KSVDQLMADLDYLKEWFAWHESWAHKDGKPVIFIWNESNCEVADRWTVAAKSAGWYLV LK
LFKNYLDCTNQPD SWHQYVSTI
>comp9552_c0_seq3; 702 221 2716 LEN=3278; translated
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KKAGNDWNTWKEETIRVNI PAGKNQILKLLASANPGPNVDNVALKLVRSPTPPSSSPNDQ
EEPIDYAVILRENECLPKGSFEES ENKGFDFGLDGVRIVVRNKTTLEILWSLRVQEEEE
TLLCMERNGLSVTLQVKDSLPLCDTKATGIYERTYSFTFGINNVGKIAVLLDNKHL LWTG
GLESDQPSVPLTPKPKMLKPTS IATAIPSLAPTTRIP IVSPNAFQPPDEKDLQYKAVLSEN
EYFGREEFAQSLSGFEFEIGLSKAGSLLVRKTRKTSEV VVWLEDSMGRI IIGDKLYMQNDG
NLVMRRGDNSAVWTSK SANADGPSQYSFGINNCGRVAVFGASNSTDILWTAGIQNCIDK
TPSDPQTIPPVSNPMLSPSP IETPSPE SRRPTSVSFSVVLRSNEQLIGRGKFASSPNGQY
EVGLDSKTGR LIIMRTISNNELWTLRDKSGDEILNISKIYMQSDGNLVMKSSSNEGLWNS
ETSQNP GGFEFRIDDSGQLSVNFQGTPLWIDGLPRAIYTG PSSSDLI FPVRYGFYYAWYPE
TWTVGGEQVKYRPNLGTIPEGT YRSRSDP VVVKNHVEALDYAWADLSIVSWWGPSDR LDR

RITQLLDETADQDSSIKWTVYYEDEMNFNKSVDQLMADLDYLKEWFAWHESWAHKDGKPV
IFIWNESNCEVADRWTVAAKSAGWYLVLKLKFNKYLDCNQPDSWHQYVSTI
>comp9552_c0_seq4; 749 221 2989 LEN=3108; translated
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KKAGNDWNTWKEETIRVNIIPAGKNQILKLLASANPGPNVDNVALKLVRSPTPSSSPNDQ
EEPIDYAVILRENECLPKGSFEESENGKFDGFLDGVRIVVRNKTTLEILWLSLRVQGEAAA
TLLCMERNGSLVTLQVKDSLPLCDTKATGIYERTYSFTFGINNVGKIAVLLDNKHLWLTG
GLESDQPSVPLTPKPMKPTSIAATAIPSLAPTRIPVSPNAFQPPDEKDLQYKAVLSEN
EYFGREEFAQSLSGEFEIGLSKAGSLLVRKTRKTSEVVWVLEDSMGRIIIGDKLYMQNDG
NLVMRRGDNSAVWTSKSNADGPSQYSFGINNCGRVAVFGASNSTDILWTAGIQNCIDK
TPSDPQTIPPVSNPMLSPSPIETPSPESTRPTSVSFSVVLRSNEQLIGRGKFASSPNGQY
EVGLDSKTGRLLIMRTISNNELWTLRDKSGDEILNISKIYMQSDGNLVMKSSSNEGLWNS
ETSQNPGGEFRIDDSGQLSVNFQGTPLWIDGLPRAIYTGPSSSDLIFPVRGYFYAWYPE
TWTVGGEQVKYRPNLGTIPEGTYRSGDPVVVKNHVEALDYAWADLSIVSWWGPDRDLRA
RITQLLDETADQDSSIKWTVYYEDEMNFNKSVDQLMADLDYLKEWFAWHESWAHKDGKPV
IFIWNESNCEVADRWTVAAKSAGWYLVLKLKFNKYLDCNQPDSWHQYGVGRTYLEYPMSE
TIGPGFFRADADQPEISRAPIATFCSWVAEMNLSNKDWQLVVSFNEWGEGTAVESAVEWQ
SDSGYGSYLDCLHDPNVLYTRA
>comp9553_c0_seq1; 375 1 1188 LEN=1282; translated
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SLPSALSVEQRAIEIDDLLGPKFGGSGDEGTNKPPAMDFIIDLHTTTSNMHTSLIVGQG
DPLTTQAAAYVMHKCREKNFNVCIMMHTHKNQEARPNLATIAPHSFTIEIGPVPQGVLRH
DKVEEMQAALNSALEFLKRHEKEPEKLLDELKECYPTGRIPCYSAAAIRKGEKSAKLWV
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>comp9554_c0_seq1; 217 1 1127 LEN=1127; translated
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YHKITELSQKSHNDTSVKLGHKGEESNTDNEKKEVAKEGRTKHAGTINGKRSFKILDDVE
VYFSQSICWAGFSLSLYLVNVTLSFGNIMTVYLVWRGIGMEVIGIWRGIASVAGLSGTFV
YHFLANYKKTDLIDIGMMSVAFEFCLCSACYVSLFIEDDSTFTIMLVGGVCLSRVGLWVF
DITVTQLMQLHIPPIRGLVGGVQQSVNAFFTVTMYLVGLFLSDPSPDFYIYSFTSYIGVF
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>comp9555_c0_seq1; 610 84 1190 LEN=2034; translated
MVAAAGDNQCEVVLVCGGAPKRGMGWYHAVQMIKGCPSAKLCYVVEPWFMPGAAGPGG
PEFGEFQKENEADGIQFFKAMGDLPPVAEGKKRLALISGRTADNPRLLGECIANGCTTIY
LEKPGAPSVAEALAAMRDEAKAAGVTVLMGYKNVCKYVSKAREYAAANEGSHVTFVSNNA
YENNAASLGECEFERNREGMLKNMAIHELALLVSFFDVTVETIEKCEADKEFSSCQTLKGP
SGDDFTDFDKIKFTITTKSGKSVSVQADRCGGDVSWASVANADGKEAFRHSMPDEEDIAN
VTVLKEEYPGAMPYFFSQDPDYITVKERVASFANGTEATGIATIDVAVETLRVAEYLT
TLQKQLQA
>comp9556_c0_seq1; 203 433 735 LEN=1167; translated
MKEQKNPYDIKKFEEVLGESHMMIPDSKNRLEQALFDLASYVDSAEVKELATELADEW
FLKARELLQKEGLSVGGDNNFSEDIVEETDVSGLQEGEAF
>comp9556_c0_seq2; 186 1 435 LEN=867; translated
GEELILSGMLRLLPIVCETKTDALSKEVKYYQEVVENESKLNEMKEQKNPYDIKKFEE
VLGESHMMIPDSKNRLEQALFDLASYVDSAEVKELATELADEWFLKARELLQKEGLSVG
GDNNFSEDIVEETDVSGLQEGEAF
>comp9556_c0_seq3; 198 1 456 LEN=888; translated
CIQNSLARMKSKTPPPQRLMIKTKACQRLSKEVKYYQEVVENESKLNEMKEQKNPY
DIKKFEEVLGESHMMIPDSKNRLEQALFDLASYVDSAEVKELATELADEWFLKARELLQ
KEGLSVGGDNNFSEDIVEETDVSGLQEGEAF
>comp9557_c0_seq1; 443 602 2230 LEN=2512; translated
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FCSEPEALESCGRAADWGSSGWSSESVCVKVLEGNLEARGSIVVYGSRSGETSTRFGGAL
GAALVSTADAGKAGKSCNKKTENQOQSLHERSFKVGEVIVPMANHPQQDKLEDSFVTAGTD
YRIMTMAYNGKPIFSTNDVPPKERKNVRLALRPCGWKLQQQLWNQQQKQQQAKRKPMT

GSRPDALPLWPVEVPAGWLSTARSFRNPSAFLPRLSATFRRDSKSVLLGVALALLPLPG
ALLGRNYVSLYAIPASMDPTLIKGDVLLVEKFPVGDGR IKRGEITLFRPPSALEQIAGK
AINNGRNGAPPLFVKRVVGLPGDKDIVLDKQTGEVTLNGDRAAVGPDRSLCADEPLRLID
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QL

>comp9558_c0_seq1; 375 1 1927 LEN=2499; translated
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SAYCPQCLSFHDANTAANLGFCKPPTCRLCPVCRSVASIAVDNSGCFYKCGMCAWNSKGC
QLQTPLTVNSDGEVSLEAVEKASLELQSQWEKKKEESNKQAEDHFSNMQKTLVRIAKEHV
QGHRSANRRVFSSGLTLKRRQDDPHGWSIETLEESQRIRNKEMESSINKPIGGKSLQQIP
LDDEEDEQPLFHSSFEGLSAETILSQESGGNTTGSIESLLPLQIPLRPRKSRRRCRAELAE
NRPGILVKPKLNPLEGDSSLRTGHGQWKKVRS LQDIDCF LCLCAF XLKVVG FVNAQLPK
I IPLNCALVFLCFCRIQXAVEVLPVRVRSAAATDGSRHAFLIKVS NPTLGTVRLRLAPSP
YAGERHWDNNEVTTKRLENIIVDPFKRISLDAVLDVEVANKIEATDMCELEPVEDSFLEL
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>comp9558_c0_seq2; 453 1 1783 LEN=2355; translated
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QKTLVRIAKEHVQGHRSANRRVFSSGLTLKRRQDDPHGWSIETLEESQRIRNKEMESSIN
KPIGGKSLQQIPLDDEEDEQPLFHSSFEGLSAETILSQESGGNTTGSIESLLPLQIPLRP
RKSRRRCRAELAENRPGILVKPKLNPLEGDSSLRTGHGQWKKVRS LQDIDCF LCLCAF XL
KVVG FVNAQLPKI IPLNCALVFLCFCRIQXAVEVLPVRVRSAAATDGSRHAFLIKVS NPT
LGTVRLRLAPSPYAGERHWDNNEVTTKRLENIIVDPFKRISLDAVLDVEVANKIEATDMC
ELEPVEDSFLELGNKTSDNVPEAVSSWEAGNVLSDSKVS KENSATLRKLGQKKSVAWFEL
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>comp9558_c0_seq3; 451 1 1794 LEN=2366; translated
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SAYCPQCLSFHDANTAANLGFCKPPTCRLCPVCRSVASIAVDNSGCFYKCGMCAWNSKGC
QLQTPLTVNSDGEVSLEAVEKASLELQSQWEKKKEESNKQAEDHFSNMQKTLVRIAKEHV
QGHRSANRRVFSSGLTLKRRQDDPHGWSIETLEESQRIRNKEMESSINKPIGGKSLQQIP
LDDEEDEQPLFHSSFEGLSAETILSQESGGNTTGSIESLLPLQIPLRPRKSRRRCRAELAE
NRPGILVKPKLNPLEGDSSLRTGHGQWKKDSSAVEVLPVRVRSAAATDGSRHAFLIKVS
NPTLGTVRLRLAPSPYAGERHWDNNEVTTKRLENIIVDPFKRISLDAVLDVEVANKIEAT
DMCELEPVEDSFLELGNKTSDNVPEAVSSWEAGNVLSDSKVS KENSATLRKLGQKKSVAW
FELVVMESQRDSTAHTAVPVSMHLQVGDGSWESSLVQSRGDDDFV SFDLVI VWDKKL

>comp9558_c0_seq4; 529 1 1650 LEN=2222; translated
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QKTLVRIAKEHVQGHRSANRRVFSSGLTLKRRQDDPHGWSIETLEESQRIRNKEMESSIN
KPIGGKSLQQIPLDDEEDEQPLFHSSFEGLSAETILSQESGGNTTGSIESLLPLQIPLRP
RKSRRRCRAELAENRPGILVKPKLNPLEGDSSLRTGHGQWKKDSSAVEVLPVRVRSAAAT
DGSRHAFLIKVS NPTLGTVRLRLAPSPYAGERHWDNNEVTTKRLENIIVDPFKRISLDAV
LDVEVANKIEATDMCELEPVEDSFLELGNKTSDNVPEAVSSWEAGNVLSDSKVS KENSAT
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LVIVWDKKL

>comp9559_c0_seq1; 380 151 902 LEN=941; translated
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KPKKVRDFVLPDHLVPNDTDTAERNKRRRAAKSLKNKWRLQKKEIESNNRQKSWQSFQK
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LLTRWFRIAV

>comp9560_c0_seq1; 771 1 1510 LEN=1520; translated
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TSFPTEPSETRLRRVDAMKKRWEDPSYREKWYQTRWGGDRKRKRESQSLRERTAIQRARE
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EEAEAGVGNDESELRLGRDALFDTPKELEEAKRKRSEKAKLYATRRKNQEARKNTER
AEKEEASSLSSLPSPSSQKKTSPRGKGPYPPKQRTPRDAFLRIENDLDRGAAPSEDD
VRLVLPVPGMKNRKPLLRILRDEFGLRGKCVPIASEDSEEDDNFGDLEFVQRCTIERL
GAFILCLLKKDKKSGKDNAIVT
>comp9561_c0_seq1; 221 47 616 LEN=824; translated
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ASFIEYNAGKSQDPHRIHELNDIASYDERECLLWCTDSDPSANSFDHLDEVFCMYPEREW
TLRIRGIASSGNSVAESLYRRIRNKGENASVKGKLRRLRGKKGRNTGSDSLEVIKAKRV
GLLFTGIMR
>comp9563_c0_seq1; 394 65 640 LEN=952; translated
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>comp9564_c0_seq1; 399 1 1421 LEN=2010; translated
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PGQYFLEVIVTLCVNLEMDTNYKPLCVQDSSFNRITGNSNASIGVTSVDPFLVRSMEQNGS
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FDPYNNGFRFANRHSIDLASLLRRQPETTKVCFVGGASHARVLEKTLAIVSGIKNATVEI
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>comp9565_c0_seq1; 346 315 1199 LEN=1311; minus strand; translated
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>comp9566_c0_seq1; 119 1 322 LEN=1034; translated
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>comp9568_c0_seq1; 223 207 776 LEN=983; translated
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LLVMVLLFT
>comp9569_c2_seq1; 220 1 771 LEN=1125; translated
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>comp9571_c0_seq1; 932 410 1816 LEN=2060; translated
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>comp9573_c0_seq1; 793 140 2069 LEN=2191; translated
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>comp9574_c0_seq1; 943 137 3894 LEN=3957; translated
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DAPDRLFHVSVKCYSCVLSNHADVKELIPEFYSPNDFDFLINAQGLQLGATQNGDRVND
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>comp9574_c0_seq2; 737 135 2312 LEN=2375; translated
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GGRLSLFAGFATGKVGYSYLIDGTMRKASVASVGVAVQSLVYAEGILLVGCSDGGLRLIPI
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RAASR
>comp9575_c0_seq1; 457 138 1037 LEN=1105; translated
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>comp9577_c0_seq1; 559 82 1449 LEN=1663; translated
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VELPLAVAQVYNLSVLDVPEQSRGLFSTSSSSNGSDQPLLDGSIENQNFEIPENPSKKQL
KADIIVELPVNGGRIERIRRKGTVMERNRHGDPKRILWDRKGRVFAESSYGEGLD
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>comp9577_c0_seq2; 695 144 1868 LEN=2082; translated
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ELPLAVAQVYNLSVLDVPEQSRGLFSTSSSSNGSDQPLLDGSIENQNFEIPENPSKKQLK
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>comp9579_c0_seq1; 416 59 2107 LEN=2107; translated
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DPVYPGIHARMLDYIAEKGNFTWRNSFGVFERGGINNKELLNQKTKNYDVFVIGVFSPE
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IETIGKGPEDDERSARVWLKDNLYLTFINFTGNYSYEPSTL GARVFGIVFAFWAMLITAA
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EQLYDSLNRGDCQILIEYLSDWKTTKFQVKENPKCTLKWEGRKIKSIKDG FATRMDPGIL
CTDLVNQVLSYYVRYMESQGV LKELWDEHVDYYSVDGHCDEEPDPLLDASET PDGSARRF
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KKRTERKRKKSVAEGNASHGVSSTGENGEEEGRVD TNASTRGASVDQQLRELNDRTELLD
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DETPFRDASPGAKDSAKNLYCT
>comp9580_c0_seq1; 326 43 1320 LEN=1396; translated
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SCQNP DGGFGSMRGAESHAGQVFCV GALS IAGSLG VIRHPDLLAWWLSERQCDSGGLNG
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VLERI
>comp9581_c0_seq1; 231 1 588 LEN=1536; translated
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>comp9583_c0_seq2; 472 1 1142 LEN=1142; translated
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>comp9584_c0_seq1; 386 540 1790 LEN=2077; translated
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>comp9585_c0_seq2; 610 1 2710 LEN=3325; translated
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DGEPR TNDSTLVV S PLSLLNQWEDEIKSKTTLTNRVHYNDGKKKQNGNGSKNHVDIVLTT
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SGT I I QNSLNDVYSLIRFLRHEPFSEHAFWNTTVTKASDF SVALDRVKSILSPIMIRRTK
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>comp9585_c0_seq3; 878 1 2768 LEN=3028; translated
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VQSDKDENSEKEDADTADGEPR TNDSTLVV S PLSLLNQWEDEIKSKTTLTNRVHYNDGKK
KQNGNGSKNHVDIVLTTYGT LQAE LRTRRKAGVSTGLSLLSKNWKRVILDECHTIKNHST
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>comp9585_c0_seq5; 701 1 2987 LEN=3247; translated

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>comp9585_c0_seq6; 845 1 2859 LEN=3119; translated

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TSTERPIREKQTTEDTIDQSF LADLHKKFKSMQRNRVKAKSNDQQVGDDSNCDSDNDAY
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>comp9586_c0_seq1; 869 263 3118 LEN=3156; translated

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DLLSPAYIRGLSSLQDRVP AFDTATAK LILEE EWGVPVDQVLEGG LSETASPVAAASLGQ
VYKAKLKGS KEVAIKVQRPKITNQIALDMHLLREAAP IARRTFNLNTDTEGTVD AWGAG
FVDEL DYLQEASNGQYFMEQLQNTSLKDVVLAPT VVDEFTSGKVLVTEWIDGERLDRSSQ
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TDQVSMGNALNTFIFGPDKYNIDTRLVDPDRIEQLVSGFGDFASTTASGALSTPTGEKSE
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VLP SGRTVLGS LVDPLGLFQTSP LVNKNEQDERAVKTTEELVTL LSKIQSKGDNSGIDIQ
SLNNEELIVLSRVLSTKLWERRTALIKSSNRFVNQMLQLTAIRLESADRVPVGERTPTVG
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>comp9587_c0_seq1; 202 458 781 LEN=1089; translated

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>comp9589_c0_seq1; 588 107 1724 LEN=2041; translated

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>comp9590_c0_seq1; 325 1 1080 LEN=1102; translated
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>comp9590_c1_seq1; 507 35 1322 LEN=1322; translated
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>comp9591_c0_seq1; 344 1 1157 LEN=1276; translated
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>comp9591_c0_seq2; 529 1 1723 LEN=1847; translated
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>comp9592_c0_seq1; 468 683 2209 LEN=2289; translated
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>comp9592_c0_seq2; 564 142 2004 LEN=2084; translated
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>comp9593_c0_seq1; 988 204 3629 LEN=3655; translated
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N

>comp9595_c0_seq1; 298 152 1660 LEN=1929; translated
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>comp9596_c0_seq1; 833 1 2901 LEN=2901; translated
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>comp9596_c0_seq2; 290 1 1159 LEN=1472; translated
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SRIKTSEL

>comp9596_c0_seq3; 793 1 3006 LEN=3006; translated
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>comp9596_c0_seq4; 321 1 1225 LEN=1577; translated
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>comp9597_c0_seq1; 960 196 2619 LEN=2949; translated
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>comp9598_c0_seq1; 310 155 1048 LEN=1210; translated
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>comp9599_c0_seq1; 483 327 1775 LEN=2140; translated
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>comp9601_c0_seq1; 681 1 2057 LEN=2602; translated
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>comp9602_c0_seq1; 566 23 1913 LEN=1913; translated
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KPLPTLLRRRAWETKRIYLRWTRPAMLEEFVLPPEGGFDWRVPGELTAVLGEGKRLSTRQ
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WKIAFTPSPVQDLLRAKLAELGLVPNQYAASHLRALYGETSRPSP I IQKFTQNALACAT
ELTAANLGGVDASRTMPIFFASDSKIAIRHALSLSSGGEDPLEGLPRVVASSNPSAVHGE
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>comp9604_c0_seq1; 483 141 2048 LEN=2348; translated
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EADVVVINTCGFLESARDESMAAIADAQEVILEKNQSNQRQESKLVVTGCMVNLPAQQE
QIRRFDPGVDAVLSSGNIDSIVETIRTLNENSGSSKSKKTKKGTTPKKHTNTDPPSLS
SRKQRKSFLEKGETPRFLATPPHYAYLKAIEGCRKRCSFCVIPKLGRLQSKPIQVVEE
FEAIVQHGTAREVILIAQDLGDYGLDFMPKQKGNLKEPNNDIDDGNINVLSTQTKSTLT
LLEAILSFMDDNGVGNDDNGGGAIDMNGNTFDDPFWLRLLYLPDEITPDLIDLMEADR
RIARYVDLPIQSHDDMLKAMRRKTDSTHIKNTIATLRERLPDIYIRTSLMVGFPGETDE
HFEDLLQFVRDYKLDHVGVIYSNEEMAYSSRLDGQVPEDVKEDRYRRLMEEQWKIVEER
HRERVDRSECLRVVVEGLKEIEETVEESHSPKSMSPERSPTS SVRIVGRHAGQCPEIDGQVI
LEGEPRVYPGERYWVEVTGYEGYDLVGRVLEEDS

>comp9606_c0_seq1; 162 222 521 LEN=1024; translated
MAVMKAWAEDQKVGETMIKFYGDPTSAFTRYMDMEMTHPGPVSVGLLGRCKRFALYIDDG
AVKYQALAEDLDFDPAGDDFPEKVLPPQMMEAIAIKKVQSE

>comp9606_c0_seq2; 126 1 411 LEN=914; translated
PYFTIGIVPCTVQQTNLDSSELKALGIEEVMLYCVNDMAVMKAWAEDQKVGETMIKFYGD
PTSAFTRYMDMEMTHPGPVSVGLLGRCKRFALYIDDGAVKYQALAEDLDFDPAGDDFPEK
VLPPQMMEAIAIKKVQSE

>comp9606_c0_seq3; 156 155 685 LEN=1188; translated
MTLKQLSAECQLDSDFCPGGAKVNLLLEYTKGKVVILMGLPGAFTQDPHDXIPDYIKAQD
ELKALGIEEVMLYCVNDMAVMKAWAEDQKVGETMIKFYGDPTSAFTRYMDMEMTHPGPVS
VGLLGRCKRFALYIDDGAVKYQALAEDLDFDPAGDDFPEKVLPPQMMEAIAIKKVQSE

>comp9606_c0_seq4; 162 763 1062 LEN=1565; translated
MAVMKAWAEDQKVGETMIKFYGDPTSAFTRYMDMEMTHPGPVSVGLLGRCKRFALYIDDG
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>comp9607_c0_seq1; 345 139 921 LEN=1401; translated
MLSSVYRTSVFSIASTASRRVYHSSIRSLKSSVTTKPDASKVKKVATEKTAADVVTKEAS
SSFAKENPFVFLGVATAKTSAADLVAQVVAEKKSFDEIDWKRNFIFVVFGFAYLGAFQY
WLMVKNFRQWFPTMDRFAKLPFAEKLKDTAGIMDAKMVVFVDTVHLPIIYFPTYTYVKE
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WTAYVSFTRGDAEKVETSEE

>comp9607_c0_seq2; 159 181 564 LEN=1044; translated
MDRFAKLPFAEKLKDTAGIMDAKMVVFVDTVHLPIIYFPTYTYVKEFVYQSWNPLDWA
MNGVSNYAKNAKDDLTAMIKLWGPSDCIQFVLPMHIRLPFRHLVSFFWTAYVSFTRGDAE
KVETSEE

>comp9608_c0_seq1; 267 55 522 LEN=993; translated
MHKLTNIIALFAILANACVQGFTTIGASNGGIRQIVNHGVQTPVVENASCMSSTALFG
KKAARAQGNESKSKKTRVKKPKDDVIEVDGVVLES LPNAMFRCAIDNAPDTQEPVLATIS
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>comp9609_c0_seq1; 496 61 1563 LEN=2122; translated
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DLMQKREYYQGLIDETVLLQKLRKTSKLLDKESDKNMLRKLKSKQDQYLNEIEEIMNYA
ESDVLFTVEIEPNELLGEPLETLVEQPGLEGSSLTLLNFSISDFMPSSFQREHENEELH
PIAENNRPSICAKHHESIGSFASGVSLFTIISTANSNTYNYDVRTLQKRLKKEKLLAAEN
MACCNNEISQLNAIQVKKLKKKREQYLLALKDKTSNEVLSNQNKVSKDNANDFPYVGE
LHEIDAGVGKIGDLQVREDGEGRECCVEAKKSHTTEHYHDSTISDRGYSNEIRGVVSHDK
KTLEKLLKVKKLLIAAANNPEDLKKYKLLKKEYSAAALQALKAKKTEDGESSSSCLHEQHE
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EKMEKKRLEYQRSLDIEGKI

>comp9611_c0_seq1; 344 214 1679 LEN=2674; translated
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LLADNHWGRYNTIWRFGAVYSIGLSLVALGAYQLDFPFSSMESDSAVSESNLLVARSLF
TGLIILVCLGTGGIKPCVSAFGADQVVLGSDHLPHESEKETASSSVVIYSHVEKENRSEL
SSDDGNAFEETTPAKTGLAMSADHCPVEQEDESUREFFNSFYFCINVGALLSFAIIPMI
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KNRQYSCPAADSIGGQEPVSSAINASSCLEVGGPGGIVRTEGQSVEKLGSHSDQVLRDAE
QVFAFDASDALLSGILDAIRSAGIGMDVAGNAPRSPRSGTGTIGGTSLTRKQQQMRHMY
LDLGEELPR

>comp9611_c0_seq2; 491 214 2178 LEN=2476; translated
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LLADNHWGRYNTIWRFGAVYSIGLSLVALGAYQLDFPFSSMESDSAVSESNLLVARSLF
TGLIILVCLGTGGIKPCVSAFGADQVVLGSDHLPHESEKETASSSVVIYSHVEKENRSEL
SSDDGNAFEETTPAKTGLAMSADHCPVEQEDESUREFFNSFYFCINVGALLSFAIIPMI
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KNRQYSCPAADSIGGQEPVSSAINASSCLEVGGPGGIVRTEGQSVEKLGSHSDQVLRDAE
QVLHMLPLMLFFPVFWMLYDQQGSVWTLQATHLDRHGLEPEQSGFLNPLIMIFIPDFR
VLYPWLEAKDFNIQPLRRMEYGMFLTAVAFFASTVLEYSIQNSPPNISLAWQIPQITIL
TVAEIILLNVTGLEFAYSQAPDSMQUALILAVFLFMTAIGDGFSGSVLFATVRELIRSTVTMI
TCALCMLVNLALFSRVARRWKPSQAIRQDHSREKNIDEEGVELNVLNRNEGGIS

>comp9612_c0_seq1; 211 1 971 LEN=971; minus strand; translated
LVLALALVFLGAAPPGRPGEGVQEPVRLPQVALVPPAGQHRPGQEGKDKEARDLGSRGR
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VCVFCVCFVFCGRPLHLHLRLRLRQLLHGFPKSPGQVFGKVRLLGGLPEEEDVGQRD
SQEKAHRCHGVQGRVARGEVPPQEHPPGAVFLRSRDQAVGDPRGGPPGKEAPVVAPGIAA
FAGLERGVSASARASARASGPDSAWRAPVGSPPSSSVAALVVVVVVVAIAFAFAVSPAAA
FASNDDDEDDDDAANADAMDADX

>comp9613_c0_seq1; 350 549 1788 LEN=1788; minus strand; translated
MKYLRITLLLLLTFIGPAVAQVGGPQTPNGEYTLTGGVCRGPGGVSDKVNMSAIEHTQA
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CDSPDTATKETECGVC DGKPSALEESACDSVSGTWKKG I WTSAGATWSGAEDPFIGQSH
SKI IAGTSDEKASDYSCHDIIVDDHLAQCSGDAECSAAFDGIQEDSDRIAENCPNGCVF
TAKVKGPKNPPVAHAPDIKLPGWDPAQSGACRGGADFSGKVNKGYSNTAGADGGPPTQLE
CAEGCLAEEENCVGYAHSTAWCVIYGPDVHLGIGTEEGMWTDPNHEEITITGTVKNIAYL
CVTGPPRDRVGGGKPSVQDDSSNSPSPQDNASDTTLQTDGGAGRAFPPFLTIVX

>comp9615_c0_seq1; 541 239 1618 LEN=2735; translated
MTKTDGIFFTPSSLLKLNLRQTTLGSATENDNNNDESINDETKNSSDDLGEPLPIDLPLND
LALLNEEDIRNPSLFSSELYSMAYVSAAIIFALADVRSAAAREGIKVSDECSIQNLPTTET
IIDVFGANEEQLKILKEDDFSLLKLSERTEMLRNKNTPKPNALTMVLECTLDHFGDD
NVARDCVYLI FKNLDLNKRITLCFRGSITLQDWIKDSKVFVDNI PNPVADRHGQAPTIGVH
QGFKKEYLYGTSTSSSFGSLMESSKREPDSAPCSVRDADESRTNINSWKFNSIASAFKWK
KEKYSKSEVDIGGSVNKDIYAKTSDSNDVDDGQRNDHGDMTGKVEKEKYNNDIGDNDEN
PRNADPSEMPGNTENPNEDVAFPPVHNCRLDKILDELERLRKSYNDYSIYITGHSLGGAL
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>comp9615_c0_seq2; 650 239 2020 LEN=2652; translated
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LALLNEEDIRNPSLFSSELYSMAYVSAAIIFALADVRSAAAREGIKVSDECSIQNLPTTET
IIDVFGANEEQLKILKEDDFSLLKLSERTEMLRNKNTPKPNALTMVLECTLDHFGDD

NVARDCVYLIFKNDLNKRITLCFRGSITLQDWIKDSKVFVDNIPNPVADRHGQAPTIGVH
QGFKEYLYGTSTSSSFGSLMESSKREPDSAPCSVRDADESRTNINSWKFNSIASAFLKW
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PRNADPSEMPGNTENPNEDVAFPPVHNCRLDKILDELERLRKSYNDYSIYITGHSLGGAL
GLLTALEAGSRFGEKHLPVTVYVGIANPRGGTEGFRDAVSVLEKEGKLRVCVHGVHDIVP
MIPASSLNRAKRFQCSGIQMLLEKDKLEIRYSPKPDNYNKRVRKALSSAHKIKERHH
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>comp9615_c0_seq3; 539 149 1690 LEN=2322; translated
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LCFRGSITLQDWIKDSKVFVDNIPNPVADRHGQAPTIGVHQGFKEYLYGTSTSSSFGSLM
ESSKREPDSAPCSVRDADESRTNINSWKFNSIASAFLKWKEKVSSEVDIGGSVNKDIT
YAKTSDSNDVDDGQRNDHGDMTGKVEKEKYNNDIGDNDENPRNADPSEMPGNTENPNEDV
AFPPVHNCRLDKILDELERLRKSYNDYSIYITGHSLGGALGLLTALEAGSRFGEKHLPV
TVYVGIANPRGGTEGFRDAVSVLEKEGKLRVCVHGVHDIVPMIPASSLNRAKRFQCSGI
QMLLEKDKLEIRYSPKPDNYNKRVRKALSSAHKIKERHHYITYLNLGRGFSKALRELHI
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>comp9615_c0_seq4; 430 149 1288 LEN=2405; translated
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FSLKLSERTEMLRNKNTPKPNALTMVLECTLDHFDDNVARDCVYLIFKNDLNKRIT
LCFRGSITLQDWIKDSKVFVDNIPNPVADRHGQAPTIGVHQGFKEYLYGTSTSSSFGSLM
ESSKREPDSAPCSVRDADESRTNINSWKFNSIASAFLKWKEKVSSEVDIGGSVNKDIT
YAKTSDSNDVDDGQRNDHGDMTGKVEKEKYNNDIGDNDENPRNADPSEMPGNTENPNEDV
AFPPVHNCRLDKILDELERLRKSYNDYSIYITGHSLGGALGLLTALEAGSRFGEKHLPV
TVYVGIANPRGGTVRQIFRTI
>comp9616_c0_seq1; 532 302 1619 LEN=1619; translated
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LTVYRDGSPVHNRHLSSLSLSKYHQYIMESAGPLGGVVMKNGKVRKMRWKPRFGKKK
ASNFSNASVISALTNRSSSTSRSSSTTRSFSLSHFSRKSNTSFHTFHSTETPVATNKANR
PTAPHTVLRPNYQDSFDTKRNSAHVTKQPKHATIEETEGNYVNYHSRLGGSAQSVVSSSSG
FPSTRLDSVQESASPYEQSQEEVEVNRSPTLSDSDRVSHNPIPGPATAIEAINVISGGSN
NSVGARSMRSSTSKGSSQKPPMSTSPKNSKAALQQQSKPRRPPPLFKRRLGKNRNKSSGSN
SSINSGNSSTIMIPSSDTHSTAALSPLSLERENSGIPILVGDEEDRCVTITSFSSGKNS
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>comp9616_c0_seq2; 994 302 2911 LEN=3463; translated
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PTAPHTVLRPNYQDSFDTKRNSAHVTKQPKHATIEETEGNYVNYHSRLGGSAQSVVSSSSG
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NSVGARSMRSSTSKGSSQKPPMSTSPKNSKAALQQQSKPRRPPPLFKRRLGKNRNKSSGSN
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TEKNLTKE SIVEIDGEESSLSPVQSSLSGSHSGGGLSVQSGSSAVGNGTSAPESMQKR
VASTKKKPPPSLASTVVRTNSPNTPLPGGATKIVARKQYNRPLDSTNTTGVTSANSKGL
LGGPRNKSTSVPCDLDEGAFLAEHNLRAIHEMAAEHLAHGEYEEAADVFEEILRGQQQR
YGQDHYRVGTALHNLGIVYLKDKDYLAIEICQRAVDVRKDSLVPNHPDVAVSLAQLGVA
HLESENYHEALAFRDALHIRRNFLGPRHTKCSKILNIGCALYSIEDFAGAKRAFDEAL
DIQREALRNLPPTEGAESNGAQSNCLLLSMATLLNIGSIRLRWGDFDEAGIALDEALLV
QQSVLEDNHPIVLNTLDSIDLVDSAKYCAANPQSHHA ILMKKAIAACTDENPADVMTEIL
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>comp9616_c0_seq3; 945 302 3044 LEN=3596; translated
MIRATHDEGDTDYDGFSSVSLRSDRNNVGEADDKFPFDDNGSLLGVIVDRSSFDEDE
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ASNFSNASVISALTNRSSSTSRSSSTTRSFSLSHFSRKSNTSFHTFHSTETPVATNKANR
PTAPHTVLRPNYQDSFDTKRNSAHVTKQPKHATIEETEGNYVNYHSRLGGSAQSVVSSSSG
FPSTRLDSVQESASPYEQSQEEVEVNRSPTLSDSDRVSHNPIPGPATAIEAINVISGGSN
NSVGARSMRSSTSKGSSQKPPMSTSPKNSKAALQQQSKPRRPPPLFKRRLGKNRNKSSGSN
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TEKNLTKE SIVEIDGEESSLSPVQSSLSGSHSGGGLSVQSGSSAVGNGTSAPESMQKR
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LGGPRNKSTSVPCDLDEGAFLEAEHNLRAIHEMAAEHLAHGEYEEAADVFEEILRGQQQR
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HLESENYHEALAAFRDALHIRRNFLGPRHTKCSKILNNGCALYSIEDFAGAKRAFDEAL
DIQREALRNLPPTEGAESNGAQSNCLLLSMASSTLLNIGSIRLRWGFDEAGIALDEALLV
KFCAIALIKTDAVYPIIFEFFYHLLNRSHFIIIPRKQLXDLLSKKVQQSVLEDNHPIVLNT
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NPCGPVSDNLQDEE

>comp9617_c0_seq1; 491 385 1839 LEN=2130; translated
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FDAESLVAEQTYNMEAPRLDLRATLSSGSLGLRCVTTGISCSSTENRNATATPVLSENPN
PSANINPNENGTTAPLFEYRSLDDLSSAAGLTETDAMSENLGNSFSLSQKFNADEAFRT
DLRSAIRLDIFETTPFYAKLPEKAKAVLLLPDSSLEGSWRIPDCSASDSKEEGRDLPPAA
APRMKHTTRVLNAALEEHRKNEEHGASPHQSCRPWLTGDDLVRIGSICGSPASATHWID
IHGVQNKKINHSWHLDAGVSPGNRRTVLWGFPPSTSGYEGTGVFVSHLVPLAEPFDELVAPT
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MRFM

>comp9618_c0_seq1; 936 137 1717 LEN=1755; translated
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QPAAKKTNDENMFDLGDWAEDDDDDLLDEAKQKAKLAKAALEKKKLGEVAKASGKIK
IKIEGMDEGVIGQWVEKSLEKAGAWPFEDLRFKDKTFEYKQVTDALDHPGLRRNLCF
LAGRINSMALNSHPELLEAASKQLIDPTYFKTAADFRQRCAMLEATLRSVGLRSSPLT
KAI IQAVSLFKIGIKSCTKKEEWFNTIMEKQYKVLPRK IENNTVENSKDYPEMATEDI
LMVSFDLTRLHAENFTKTKIETLTKQGIPQIALQQYREGWWFLLTGERLDGETPGSSVE
IKKEGILEKVDEKDVKRFDEAKFEDRLLTAWPMI IQNVAQKSGKVKIQFKAPAVAGKYKF
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>comp9618_c0_seq2; 220 1 454 LEN=492; translated
XCALPISLTKQGIPQIALQQYREGWWFLLTGERLDGETPGSSVEIKKEGILEKVDEKDV
KRFDEAKFEDRLLTAWPMI IQNVAQKSGKVKIQFKAPAVAGKYKFNVAIKSQDFLGADQV
VSVEADVVDKSTVTREPLEEEEEKDDEGKKDK

>comp9619_c0_seq1; 1135 145 4098 LEN=4098; translated
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NKESRKKYERLEERDKIIRLAIQDALEKSRLVRRKRDFRSVIEKLDHDKMIAQNTQQI
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KEKISRCSKTQGHDFNFQEKESIPFSGQTQFRDLTRLESEATKGEDNLDLNLKQVEDID
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AVKYRSRRKKGSDFFNP IEDNQDTLYTDSTPSQPRQLISSFLSQSSGQVRWKDDDGGKT
CVQKELVRDHSKDPMSLDEATITHGREAPNQTKKEKHGSSRKMTNTSTAEEKKPKQLSMSE
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PTTLRRNKRVGDVQYEGKDIHMKRKKSDHGGRPVSLFVRDTSSSDHLASTEANREGEKST
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SSRKR IYKNDKTDGIEMDRDTSSAQAVRKEKLGKSENENSK IHRRETLVRAISKEERDK
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STTRTTTQQRREKTSEKLTSTRNIDCNSGEKIRKKITSSCTSSGRESHGEATKASKNR
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>comp9620_c0_seq1; 414 184 2482 LEN=2647; translated
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ATARSPSESEADCARDGNTGDDGSIETSYRKMFELESREEQRLCQRTENGTRRFHDQKAC
LERYRIASMRIFGVVLESQKRITQRNGYSFVLERASIDEFYLDLTDYCYCRNRKKECEG
IEDSLGNRQEDDI INKHDKGDGTGMNKTVVAGQKTEMGEHCSNNGGTCNRLEIALNRACQ

VSHWIREDVWNTLGFTMSAGISINKTMAKLAASYGKPNGQAVLFPYFPSVLSETKITKV
RNFGGKLGKAVLKVLLDYQTQERQLWHSASESESDMLEALKSTATMADLSQVPLTFLLQS
KLLSNESARFVFSVQSGIEHEAVKNV GALVKSITAFKSF SATKSHSQIFDRWLAVLATEI
LERVARDTARNKRYPKSCTLNYTYTTPNGQRPSTTMPGSSTRGQRQSRSLRLRFP SERE
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NYISSSSISQFCAATETKQSTVANISSADESPSFKMHGARGASAARIRDTTMKRSHSDFV
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>comp9620_c0_seq2; 381 184 2401 LEN=2795; translated
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LERYRIASMRIFGVVLES LQKRITQRNGYSFVLERASIDEFYLDLTDYCYCRNRKKECEG
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VSHWIREDVWNTLGFTMSAGISINKTMAKLAASYGKPNGQAVLFPYFPSVLSETKITKV
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KLLSNESARFVFSVQSGIEHEAVKNV GALVKSITAFKSF SATKSHSQIFDRWLAVLATEI
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GTPQEKSTSLLEQARTKLAPVLKDNPIRGVGLSVSNFVESFR TAPGGTGSIQSFFSIPPK
NYISSSSISQFCAATETKQSTVANISSADESPSFKMHGARGASAARIRDTTMKRSHSDFV
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>comp9621_c0_seq1; 283 91 657 LEN=2041; translated
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PDYIDSVFAASKALFDLPLEEKT KLSDHTMSRGYTAMQ EETLDLANQTEGDTKEGYI GR
DVPVGDPRYDPAKLRGPNQWP ESSLPSFQPI MEDYHSRATAVAMRVVRLFALS LGLEET
HFDADFE EW

>comp9621_c0_seq2; 256 91 1308 LEN=1859; translated
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DVPVGDPRYDPAKLRGPNQWP ESSLPSFQPI MEDYHSRATAVAMRVVRLFALS LGLEET
HFDADFE EWYGLLRNMMTCVITQKVIELAGNCSARVIGSTAKIRKRSIPNSHNDALFFSL
FISVHPWKNAQSVATLRLLLHYSGRPSDPDKGIYACGAHSDYGMATLLLLTDKNPGLQIYYQ
EEWIDVPPRPHSFVVNLGDLLE VWTNGIYKSTLHRVLT KAPCEDRYSIPFFFDPVYETV
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>comp9621_c0_seq3; 324 91 864 LEN=1852; translated
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DVPVGDPRYDPAKLRGPNQWP ESSLPSFQPI MEDYHSRATAVAMRVVRLFALS LGLEET
HFDADFE EC VATLRLLLHYSGRPSDPDKGIYACGAHSDYGMATLLLLTDKNPGLQIYYQ EEW
IDVPPRPHSFVVNLG GK

>comp9621_c0_seq4; 347 91 1119 LEN=1670; translated
MTKMNKKTEATMNDKDDQSSSIGNNISIPTLDLGD PDAAQKLA AIGRNVGFFYLEGHGLS
PDYIDSVFAASKALFDLPLEEKT KLSDHTMSRGYTAMQ EETLDLANQTEGDTKEGYI GR
DVPVGDPRYDPAKLRGPNQWP ESSLPSFQPI MEDYHSRATAVAMRVVRLFALS LGLEET
HFDADFE EC VATLRLLLHYSGRPSDPDKGIYACGAHSDYGMATLLLLTDKNPGLQIYYQ EEW
IDVPPRPHSFVVNLGDLLE VWTNGIYKSTLHRVLT KAPCEDRYSIPFFFDPVYETV VEC
LETCTDASNPPKYQPTTAGRYLISKYEGTHADFQODTTPGQP

>comp9622_c0_seq1; 720 129 2291 LEN=2398; minus strand; translated
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KIRVDGLQSLFFVPKADQLQTSERVQERQRLSSAPHAHCHCLEEVSGTKIFAQGTKLDV
DQLRFVPE SLVDDNRKNVPFVDHAFKKHIVTVKHDDVDRRQTGSIAGDLVDAQKFVLRVV
SHAQGVVVQEH EFLGDPATSTPLSDGVGERLAGSAVLV LARNVRRYKALGRGRRKADAE
GASEAVGAVDAVGTAE DVGPGDVGASDRVGA AEAVGATESVGPADLVGRGVVGA AEERE
GAGEEVGGAESDGLCEAVGLGVA VGPVGVVGA AEEREGAEEDVGGGETEGLAEAEGLAEPV
GPGVVVGA AEDVGLAVPVGLTDAVGPVGVV GELEREGAVEDVGLAVALGKADEVGPGDVV
GATDCEGAAEGVALEIVVGPVGVVGALEGE GAAEDVGYDEDEGLDEAVGLAVVVGPGFNV
GEPGRKGAGVDDGEAKIGRLADAIGLI IAVGPGVNVGAPECEGAAEKEGFPDRVGLVVG I
EDGLGEGIAVGGRIGGRVSTFVGFSDGAIGAKVGCNVGLFAGVAIGSNVVTMKLSTTSFS

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>comp9624_c0_seq1; 470 1150 2676 LEN=3655; minus strand; translated
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LVMLFLCSQGVEMVVDPTSLFPVCPFNDIGSDVYKQTATAMKRSATNAVAAGDDDQ
AEP IIVWNLPKFETATMPFDEEEKVLNMATNKTFGQTLAPHSNEPQQYYTQLNVYTPVYQ
WGSEDPVAGELQDEFDTSVIDTGTLDLSPWPNAQTAPIGEEPYPVWDAPLPVEPGA
TTIPSGVGSLLQSLGVSLLVINTLVVVALSIVARIQSKRAELLQKQRKEEYRQRMTGVWS
NGKDGSGNGEYLDTEAGVSAI LLESSQYALTKSGGYSVGS D TGVEVIGTSMRSLSSSPKE
KENKLLARAKLQTKPSSYMTTILSTDRASSDSPA WYTGTHSSGNALGNYNEDDEEAENLR
ADLQILNLSAGTSSGSAGKNGSTFSQTR
>comp9625_c0_seq1; 428 101 844 LEN=1027; translated
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DQDCILLTKPLPAEGKSNDEEDGGINEDTGKKIFRKDPKDIKSKDLFRYGVVRSQFPFRFS
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ASDKKKD
>comp9627_c0_seq1; 400 249 1577 LEN=1577; translated
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SCFSLYTQLDLSLLHIXSOLMNPNNRIIAAAFQTKNLDETQTVNITSLVSEAWRTLDP
LHKFEEMARQDKERYDIEKSNYVPPPGMFLDSKRRRDPNAPKRPM SAYSLSFANKIRGK
IKAE NPGR TNGEISKILSSMWKGM PAKERKEYKDIEQALWAA YRKKMVEWKKINDGR
KKEKKTAKGEDLKKKLEQSAIGSIEFPGHAVVDNDAGVDEQLLCLGGVPGIDTNPNT
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>comp9627_c0_seq2; 254 581 1175 LEN=1175; translated
MARQDKERYDIEKSNYVPPPGMFLDSKRRRDPNAPKRPM SAYSLSFANKIRGKIKAE
NPGR TNGEISKILSSMWKGM PAKERKEYKDIEQALWAA YRKKMVEWKKINDGR
KKEKKTAKGEDLKKKLEQSAIGSIEFPGHAVVDNDAGVDEQLLCLGGVPGIDTNPNT
DEMMAASALRGVRRGGPQPHVGAGMGDPSNNNNX
>comp9627_c0_seq3; 455 249 1365 LEN=1365; translated
MEDIGEGEGDIDTTVDIDHGVDVSDNVYAVANENEFKNVPGGSGEVDHHTGIAMISDSAA
LVAAVDVGDSTSTDDLDLKGISGNDHGDTALLPEK KKRKGT KSKKKQKQSKRSKPPDAP
KRFKSSFIFFSMEKHKEIKEKLAKIEIENKTVNITSLVSEAWRTLDP LERHKFEEMARQ
DKERYDIEKSNYVPPPGMFLDSKRRRDPNAPKRPM SAYSLSFANKIRGKIKAE NPGR
TNGEISKILSSMWKGM PAKERKEYKDIEQALWAA YRKKMVEWKKINDGR
KKEKKTAKGEDLKKKLEQSAIGSIEFPGHAVVDNDAGVDEQLLCLGGVPGIDTNPNT
DEMMAASALRGVRRGGPQPHVGAGMGDPSNNNNX
>comp9628_c0_seq1; 797 542 2842 LEN=3340; translated
MLARERFQTETPNVIDPGEESPPLPSRCRNDWGQNGSRNKVSGSSGAEGNGSIYTRNGN
KGAISKGIKIRCVPNEDIEDSDDDVIVFERISSDSSFS SDDAETKEE PFEDGNPSRG
KKHKKTKKNRRSRKNHLDRRLSLNEDDEDENGIAQARLFAAAMLNESEKRQRNMRGLMI
STDYYDRNSMSSQRSSHTPQDPQSKLRQMMQRASSISSIGTSDGNALNRTASLRSLGAR
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SVAMESSRSSGGTTAITGDS SAALAIASDARLAEIVAF LSDADISAPGDLYMSSSPQFRA
AQWMAEEDFEKLPVPKPDALVSFEKGWTSTIPSSPSSGLRAEEATAPFN FVQRYVLAVFY
FAVGMNDWGETYHFASTDRHECSWYKPV DKEAEFGPGVDDD GSKSNRDNIFNNYDAKYDA
MGVMCDRLQVREILLPANLRGSIPEIKHLSSLQMIHLGGNSLTGTIPENIRYLSHLT
ELDLSHNDLTGQMSPYYWLGERLTKLEYLNLSDNRLELLPFFEE LGSSGDHNHSNRQPI
GGETSLVKLSLGGNRYTSKMRNGQQEEEEEDSSNGRSSMILLPSEFRYLTNLRRELSLANM
GLGKLP SWLFHELPELRVLDLSQNLTTGTIGENMNQNNLFGESKNQDQHQP SWALSTT
SLPLQHLNALVLHDNPLTGTLP EFIGLLPALSKSSAAWL VAPVGVV
>comp9628_c0_seq2; 622 542 2044 LEN=2178; translated
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KKHKKTKKNRRSRKNHLDRRLSLNEDDEDENGIAQARLFAAAMLNESEKRQRNMRGLMI
STDYYDRNSMSSQRSSHTPQDPQSKLRQMMQRASSISSIGTSDGNALNRTASLRSLGAR
QSSARHILDEKHLDN IWLVD DTHGVILKGEEPSM TSFVRNRLIWRIVALLVGIILLIAF
SVAMESSRSSGGTTAITGDS SAALAIASDARLAEIVAF LSDADISAPGDLYMSSSPQFRA

AQWMAEEDFEKLPVVKPDALVSFEKGTSTIPSSPSSGLRAEEATAPFNFVQRYVLAVFY
FAVGGNDWGETYHFASTDRHECSWYKPVDKAEFGPGVDDDGSKSNRDNIFNNYDAKYDA
MGVMCDRDLQVREILLRKF

>comp9628_c0_seq3; 819 542 3025 LEN=3220; translated
MLARERFQETETPNVIDPGEESPPLPSRCRNDWGQNGSRNKVSGSSGAENGSIYTRNGN
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KKHKKTKKNRRSRKNHLDRRLSLNEDDEDENGLAQARLFAAAMLNESEKRQRNMRGLMI
STDYDRNSMSSQRSSHTPQDPQSKLRQMMQRASSISSIGTSDGNALNRTASLRSLGAR
QSSARHILDEKHLDNIIWLVDTHGVILKGEEPSMTSFVRNRLIWRIVALLVGIILLIAF
SVAMESSRSSGGTTAITGDSSAALAIASDARLAEIVAFVLSADISAPGDLYMSSSPQFRA
AQWMAEEDFEKLPVVKPDALVSFEKGTSTIPSSPSSGLRAEEATAPFNFVQRYVLAVFY
FAVGGNDWGETYHFASTDRHECSWYKPVDKAEFGPGVDDDGSKSNRDNIFNNYDAKYDA
MGVMCDRDLQVREILLPANNLRGSIPEIKHLSLQMIHLGGNSLTGTIPENIRYLSHLT
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GGETSLVKLSLGGNRYTSKMRNGQEEEEEDSSNGRSMILLPSEFRYLTLNRELSLANM
GLGGKLPWLFHELPELRLVLDLSQLNLTGTIGENMNQNNLFGESKNQDQHQKPSWALSTT
SLPLQHLNALVLHDNPLTGTLPFIFGLLPALTTLSLHHTNITVGTDAANFICWRDESVLE
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>comp9629_c0_seq1; 187 239 1304 LEN=1416; translated
MFFSNYFITGELREDFWSDVSMQAQENPVIFEHAPKRLKILLKVRPRDFSSIFQEHGRF
GFFFDLGRSPRFMIDLINQVQACGRAFDYATKELKNIEVAMAAVKLDYHGRIFESLPR
EMKHNKQIVIAGVATSGYVLKQDAPQEMKSSEEVVTAAVKWSGNSLQYASEELRNNTKVVL
AAVTRNADALKYASEELRNKQVVTAAVTAAVTTDGCALKHASMELRGDAGVCVAALRQA
RGALEHCSQDFVVAALKALGTSXMKAVSVAMERGTSGSAKNPVRLSKIQDXEVSKPKD
VSTLVSSQGAQKGESTCSPPKLTDSVCESTESSSETPAIGRSDRITSRQATEMLT

>comp9630_c0_seq1; 892 145 1911 LEN=1973; translated
MGYEGKVKGRRKAPSPNSILDRKALTEALEEAGISVKRMHIDEFYKALHKQRYPPPLPEFV
ENYANDGRDNARPSQSOLQPQANPNLKKKKTKNKMSPKSLDFIASTRDFVNTTSRV
KEQFTSADKSTTKLIVELYDGFVVEVLMRYLQKGAGRASLCVSSQCGCAMGCTFCATGT
MGLSGNLTSGEILEQLVHADRLLAEEENARIEEAKDDEENSSALGNSNENGKKKEKRLES
VRNVVFMGMGEPLDNYNNVTEACRMTIDRSRWNLAHGRVTVSTVGLISQIRRLTKELPEV
SLALS LHAANQKDREAI VPTASRYPIEGLIDALDNHMMAYLNQKRERENKTKLVALEDGG
ASEEQQYPLKTYTAEERMKESRRRAMIEYVMLEGESSSFKCAHELKGLCENRHLVVNLI
PYNATDVKDKLQCPDQHMLEFRNIVQSYGAFVTIRRTMGADIASACGQLVQKKNKEKDE
KKAALAYEEDAKAVDIEDVVAENGGDRPSKRKTDAVETVAEESKKRAQAKQSLAREK
DAPSRLLPQMISDDELYRWSQILTIATSVSATCFLASSVLYLRRK

>comp9631_c0_seq1; 913 184 2988 LEN=3094; translated
MVLAAAALQLSIGCLPFQPPITSRRIQTAVYDYRLEATTSSQQNQSENENERTKIRDKFA
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RSGVTVEDAERAGYSVAFVTYLARFLNFDNTNCQLWWFSSRRIPRGKKNQSLDGFDS
EQLRYEQFSKFAASVEVGLAQSYANGKEGPTILLEELVQRYGTIEAYRENDNNEKDWERS
AKAARRHIALLFGLFLEKQPTEALGELLVSLDASIAVELSNNEADSEGSISYNYQLPQ
RKISRLSLLSGYDSSDPPAIEFGDYRNNE SRVAARGHAVLKP TGRLLRIDVTDSGSVTYS
KPPIVIVNNLAGDDIAEGVANLDRDGRIKSVAILEPGNFFNNDNGDFEFVVEPFATDAK
LVKRGTKNSAATTEPSFRVVDNAITKIEITDPSGYSKDKRINVYAVANSQNINRSLQ
QQQQRILVGTTCPKLVSNFMDFRTKKMDRIEDIQRNFHRKIPYFRYSSLSIADDDFG
GFQTLFPWTEKGNPGSNCEYMRLLPGGVGLEYSRLKRYVAVDKTFQKTYAPYLPNDGS
GTTNNSNYSPLWSTFGPRARSP IERDRDLDLSEYARFGLSGAICLSAVCLTLTPLDVLKT
KQQTNP SKYTSMGRSIQAVMQDEGLSTLFTGWSPTLSGNFLSGGAQYASIEFLRRFTTAM
AGLDAARLEVP IILLASGIA SAIAGI IYCPFETVRI RTVAQPKFATNAAGTLQRILEEEG
VASLVNTVPIFLFKYVPYAITKFTVFDI STARLYEAFPAAREELQLSLLVSLAGMLGGT
AAAI VSNPSCDII SEVKKSK EADVSVFEAIATI QARGGGV LGPFFVGLPLRILRYTTIA
SLSFVAYDAIRFAFGIGSDDLKLYLDV LGGALQK

>comp9634_c0_seq1; 1100 209 3568 LEN=3771; translated
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YSQQMAMSNI EQHQRAAAAAYGQHQA AAAHQHLLAAA SPQKPP TSATSSVTSPAGTAVP
SMESTPLQAH LQGSPSLSEIGSAPKSSPASLSGIGSMGIPSTPMTTSSSLTPPRTTSTKK
KKKIEPHETVELDDLKIEKWSGCVPLGLEDDKYWLSELQVYLRANFAEAFGATEEDIAA
PMHGRNKP IALGQV GIRC MCKHENPAERGOQATSYP SLISGIYNSVQOMLRRLHLDCQQA

MPPEIRAKIESLVSSSSRGGRKQYWIDSARLGLVDTRHGIHFGRDPLGPLPPLTGPSV
NSKEGRKKKEAQKKAEP PPPQEEEEQDPPPPVDDRPLVFPEDQDLISDYLYLTLEQMSP
CVLMEADRVGCYKGRKVGFPGLACKHCVGQAGCGRYFPASEASLSQTTTSQTIMNHVRNC
RRCPEIRENLELMKRARMGPDGKRLDKPKHGGRKVFRRLLWCRIQGLPLDEPSEGKGGK
KRYKPGVKAKKKNKKSADDDNGVYSESEDNEAKESVKPAPKKSSTSSGEETETESSEAE
SDDEGGKSSARSKSTSKSKKKQSPWFDGCVRLTKHDDSNWLSELQCFARSDLVEVFCWHK
KDGLAGYSGRKEPSDGQVIGRCVFCCKTLPDSEKPSVVFPESELEAIQTKVGEMLRHLFK
SCPAIPDDKKEAIKSLKNFPGPKVDESGQYWIDSARDIGLSDIPPSSGGWGITFRRDPLQP
SPCDELQEAETGDAPNLSKLYLIRPEDRGSCTDQVLLMMRQVKVCQFQQSDRRGGPGSR
GRDRVTDYPGLACKHCANKNNIGRYFPVSAKNTDNTVNSMLSHIATCKRCPIPIRASIA
YLSHRAIYQKTELSGSWKKAFFFKIWDRLHVERAVVNIKDDPEDAASGTGDDSEDPEDD
GDESDGEDSGSDRRSDNDEEVGDNMNALIKAAIWLTEQDQSKEASGSGGKSGRGRSLP
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>comp9634_c0_seq2; 1100 108 3467 LEN=3670; translated
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YSQQMAMSNI EQHQRAAAAYGQHQAAAAHQHLLAAASPQKPPPTSATSSVTSPAGTAVP
SMESTPLQAHLQGSPLSEIGSAPKSSPASLSGIGSMGIPSTPMTTSSSLTPPRTTSTKK
KKKIEPHETVELDDDKIEKWYSGCVPLGLEDDKYWLSELQVYLRANFAEAFGATEEDIAA
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NSKEGRKKKEAQKKAEP PPPQEEEEQDPPPPVDDRPLVFPEDQDLISDYLYLTLEQMSP
CVLMEADRVGCYKGRKVGFPGLACKHCVGQAGCGRYFPASEASLSQTTTSQTIMNHVRNC
RRCPEIRENLELMKRARMGPDGKRLDKPKHGGRKVFRRLLWCRIQGLPLDEPSEGKGGK
KRYKPGVKAKKKNKKSADDDNGVYSESEDNEAKESVKPAPKKSSTSSGEETETESSEAE
SDDEGGKSSARSKSTSKSKKKQSPWFDGCVRLTKHDDSNWLSELQCFARSDLVEVFCWHK
KDGLAGYSGRKEPSDGQVIGRCVFCCKTLPDSEKPSVVFPESELEAIQTKVGEMLRHLFK
SCPAIPDDKKEAIKSLKNFPGPKVDESGQYWIDSARDIGLSDIPPSSGGWGITFRRDPLQP
SPCDELQEAETGDAPNLSKLYLIRPEDRGSCTDQVLLMMRQVKVCQFQQSDRRGGPGSR
GRDRVTDYPGLACKHCANKNNIGRYFPVSAKNTDNTVNSMLSHIATCKRCPIPIRASIA
YLSHRAIYQKTELSGSWKKAFFFKIWDRLHVERAVVNIKDDPEDAASGTGDDSEDPEDD
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>comp9635_c0_seq1; 505 192 1463 LEN=1625; translated
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GRVVEIYGPESGKTTLALHAI AECQKRGGTAAAFVDAEHALDPVYANSLGIDVDDLVSQ
PDCGEMALDIVDKLVRSAAVDIVVDSVAALVPRAELEGDMSDSQIGLQARLMSKAMRKI
TGSLALSCTVIFLNQLRSKVGVIYGSPEVTSGGNALKFYSSVRLDTRRKEVLPENAGIR
VKVKVVKNKVAAPFQIVMLDILFGTGIDSEGCVLDAALDLGIVERRGSWF SYRGENLAQG
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GFE

>comp9635_c0_seq2; 492 192 1758 LEN=1920; translated
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GRVVEIYGPESGKTTLALHAI AECQKRGGTAAAFVDAEHALDPVYGXVAIAIAIVLRCVL
ASIRGVCVALCCIGTAFCSVSR LAWDCMSDXSINISFSTRIKHNSAFVLRNDVRIPTNR
PTHCRVPRVVVFFPSLSLSLPTANSLGIDVDDLVSQ PDCGEMALDIVDKLVRSAAVD
VIVVDSVAALVPRAELEGDMSDSQIGLQARLMSKAMRKITGSLALSCTVIFLNQLRSKV
GVIYGSPEVTSGGNALKFYSSVRLDTRRKEVLPENAGIRVKVKVVKNKVAAPFQIVMLDI
LFGTGIDSEGCVLDAALDLGIVERRGSWF SYRGENLAQGRHNALECLKANAELYSSMEGN
VRTSLAGLGEDPETETGASDDLVP GGASGVPPVEISAE GFE

>comp9636_c0_seq3; 187 385 702 LEN=875; translated
MAFRSTSTKLMAGVSRSKNFRLTLEQLRIYKQPKSKVNPCADVMMRLINALEASEGRIN
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>comp9637_c0_seq1; 171 1 598 LEN=757; translated
XLFQSSVSSLKFSKVHPVLP LSSIGVMMKTLIRLLFIAFSGVQAGLLDKWKLEDPNVNF
LSENNTFKLSFDL NESVTKDNVRVKIF TSGCQNPEDGSQGI EVDGITIGNTDVSGGKGT
FEFTLDVKTL SKNNDVFLSESPQKASVAICARYMLWTDNGYEVNFIETLLNLFNFDLSGTG
FRFSGLVSKNSDLGSEVVS

>comp9638_c0_seq1; 1337 108 2624 LEN=2665; translated
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TGDYVLGGGNAMCKAIGLMAGEPLSFEADEWCEVERTTLRDTGKKPLKLDLAAALEGS
ATGVHLVGEADTIADICVMVTLNHAESIATWPSSVQKYYQCHSAALESAKAAVGHKCPV
PPIDIKTNPSLVKVLTAIFTEIIEDIAPEFELPKNIKKCDTPKHGDYQCSVTMPAFASL
KKTGGMPPGVSGPQQLAQVIIDRVGKDHPVIQEMRIQGPFGIMCKISSVYLQSHIETTLK
NKSLPKPVNDGPQETCLVDFSSPNIAKEMHVGHRLSTIIGEAVCRILEFVGYNVERINHV
GDWGTQFGMLIQYLKEEYPDFANNMPNITDLTAFYKAAKERFDDADFKKTAQLNVVKLQ
SGDAECIEIWQLLCDVSRKEFQKVYDRLDVTVKECGESFYNDKIPPVIEEFNDAGILSVE
EGGAKCVFVENYKIPLMLQKSDGGFGYDSTDMAALKYRLFTVKATRSIYITDYTQGDHFA
MCFQAAKDIGWLNNGQQLQHIGFGTVQGEDGKRFKTRSGTTVRLVDLLDEAVNRMEGSLR
DRIASGRAQITEEEVHEVAEAVGYGAVKYFDLRRNPTSNYKFSYDAMLDTKGNTAVYLLY
CRVRFESIMRKAKAEFDCDVEDLIASGEKIVIEHESERNLALQIQSFADVLDQTLDDLLP
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>comp9638_c0_seq2; 748 108 3094 LEN=3135; translated
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TGDYVLGGGNAMCKAIGLMAGEPLSFEADEWCEVERTTLRDTGKKPLKLDLAAALEGS
ATGVHLVGEADTIADICVMVTLNHAESIATWPSKYSFEQHDMTYHGTAQYXLDGAVGQ
REGSDEVSA LMARGNSVSEDSATHSTYTDPRQTQVLRRRSGWHVTECISDCSRVGNATAK
ALPLFALEPSLYNVSPDFLSNSFLLSQXLFRFVEPKLTPGVLARRTPYHNKPYDPPNI
PYNATVTPNPGSVQKYYQCHSAALESAKAAVGHKCPVPPIDIKTNPSLVKVLTAIFTEI
EDIAPEFELPKNIKKCDTPKHGDYQCSVTMPAFASLKKTGGMPPGVSGPQQLAQVIIDR
VGKDHPIQEMRIQGPFGIMCKISSVYLQSHIETTLKKNKSLPKPVNDGPQETCLVDFSSP
NIAKEMHVGHRLSTIIGEAVCRILEFVGYNVERINHVGDWGTQFGMLIQYLKEEYPDFAN
NMPNITDLTAFYKAAKERFDDADFKKTAQLNVVKLQSGDAECIEIWQLLCDVSRKEFQK
VYDRLDVTVKECGESFYNDKIPPVIEEFNDAGILSVEEGGAKCVFVENYKIPLMLQKSDG
GFGYDSTDMAALKYRLFTVKATRSIYITDYTQGDHFA MCFQAAKDIGWLNNGQQLQHIGF
GTVQGEDGKRFKTRSGTTVRLVDLLDEAVNRMEGSLRDRIASGRAQITEEEVHEVAEAVG
YGAVKYFDLRRNPTSNYKFSYDAMLDTKGNTAVYLLYCRVRFESIMRKAKAEFDCDVEDL
IASGEKIVIEHESERNLALQIQSFADVLDQTLDDLLPYHICDYVYQLSIAGSDFVTQCKV
LGTPEMKSRLLLCHVTTTSMKQCFDLLGIRHIKRI

>comp9640_c0_seq1; 208 259 1068 LEN=1068; translated
MPENVDITDKVFDLDRVARSDGSTYIRDDLDPDTFPPNRVLFQRIAIGLYGKAAPKATQKFL
SYIDIEKDFDIDNPYSYRSRSTFPALDQGTGLLMGGNISSLKT KD VAGSTALTYGSRILP
ADLWIENKQGTERLSHSVKGLLTHRNLDPNPFGITTRPQP SL DATHTIFGQIMWSDTL
KFFRELEDIPTYSVDRPAEYDDFGTGAVAKNVFNAQRDFFRGAATMGDDR VGKLYDGKL
LRRKKFCWGEWNSNDAIISPRTKKFQLEX

>comp9641_c0_seq1; 578 212 2509 LEN=2666; translated
MWNVALAALLVFAGAISVANAQSLAEKWDIGELTTGFNPETNTFTFTYAVDDSIATVNT
AGQLYQIGCKEENLELNADEGITDVVTAVSSTGSATLTFMNF GILSNYDTILNREESYM
DTCVRFMLQTDNQLVEVNFLEATLRIFFDLTAGIVMDFNVAPLEKEVVA AEKNYGAEGFL
CNAETFEPFEDNVFLPGSVLSVCVKPNEEALNDGLYMEKIEEFAWVRGAIRQEAIVGGGS
SSNGLTIMTCGDPETGGFCSFSTSYLVADFYRPPPTFPPTFPSSAGGGRGNGAPPCEHCLV
CHESTGTPEITTEKLVHGFCIYKEANTTMNLNQRSSTTWYYNWGAYTNSIPNFSSETRLF
EDSNYFPEIMYNGTETEI PPDEEFCEGGYFYRADHYEEEDVKQTLISIKKLG VYDSSSEDV
GVTFTMVTWTD TARDGGLNDHFMSTYYDPTPGLTFELGANAHTF SGLIGWTVN VAGYNEG
SDAIYERFVGNQDVHVI VDCPN SFCYSTYQGYFYL PNADKNGYPLT SGLVFR LTV EGGV
WVYTPRYRLTDTTNAAYQKTYGVFTGETITLAYAPTGYGKYWYREGENAQFNATKNQF
SINGGDATVDPHDMNVLCYDYTGDMCSYYP SYDEFWDNQLFLEGGGSRFLEEDADNADEP
NGSFGEDSNTRGLEGLDDADEYALVGGEGTILLDFSRRRNL DGAQGRSLQAAEEPVLRT
FSLDATVAPGTDEIGSLRTAGNRLQKSMGVLGFLAWATAVAVLVW

>comp9642_c0_seq1; 541 1 1066 LEN=1274; translated
XLSFVNETLLGKNPSAQGGQYDYSFITLANCINTTKMGRGKESKAKRKA AKKEAAAANDD
RVAGGST EELKDN GAMD DSTS IPLPPGMMAGSKGDDDDSDSSEGS GERND AEELLMIRKK
KAKQSSCCNDNCAPPKKSASSQGIKTTPLILLVLMVGT SCLPALIYLN DYIGGYLAKN
NVIGQIGFRLGMGQVPKRVLSFYEKHDPEKINEVPKILGKYGYDYPKLVKRLERKYQDY
GYFLGWEDEAPMALAKEQLQETYSYLSWINSYWNVYAPQQA KTAARNIRYNLTF LHKKFYK
LFWKKIWP HLEPVLGVPAGTEKQKRKDRADAQKRRGGQSGSRTSGKKKYRDDVEE

>comp9644_c1_seq1; 298 398 1145 LEN=1145; translated
MKFFTSAFMSMLALIAATFSSDSMNFASAKTVKIKGRSTNEKSSESNNKLSSSASPPSPRFQ
TPILESPLKAEEKRLVLSGFDPTEPLTKAEATFLEESIRDVFNMYRGEMDLITRSVAIHH
DLVSSDKKGSRLGASRKLMIWLDYNHCQYQYRGPCKKQYKPGCEFDIDFYRDCYCHDCDN
DNYYVMTDQPSTSPKDPYKPFWRHMSDDIPNRTRDPSTAPSSSPVPTSVPVTPVPTVPTX
>comp9645_c0_seq1; 402 72 857 LEN=1183; translated
METLNMNDVHTSGLSTSEIFLRVPRLNEHDIDENLSEIDVETIEEFEDAWQEFLLSSRPGV
LPPGRKIKKCKQIETQMKIEGKKQNVCLELQRHLDFFAASRDKVEEKYKNAKEDAKLQQ
KNIKEELEHEIDEIAKADKLLSDVLPWEHFFENLESNTTAVHNGSVASMSAGTSQSQKVK
PSAEALYLADIRPGEVYFAARRGTSKAHFLRAYRIDNALLKAKAAMLRRRETERLEKVVKS
EQMLSQILTENDVWGVMAASR
>comp9646_c0_seq1; 433 30 1016 LEN=1707; translated
MAI IKLSSPLFAILASALISNVAAFTPAFTPAIILPTGSRGSFTAVRMAEEDLDGAQVTSAR
KELKFDDKTGRFFETDIDLEECIPEEEFCTIDEDTGSKIRLTVAEKERIFLDALQSYA
TGRQLLSDEDFDLLKEDLQWNGSDVVVNRQETAYLAAMEAYLKGQPIMDDAEFDKLKEE
LKESGSKFAVDTEPKCYIDSGVCKVTLQEDKFRSNLLYLPAGLTLVSVWLGLAFELIEPF
IRVNP IILFALGLPLIVDGSKKITEELIFTDKLIAYGPCPSCEYENRIYFGDILGVEGFG
DEGSVKCPNCKTVFTVQRKTLRASTLPK
>comp9646_c0_seq2; 439 30 1004 LEN=1695; translated
MAI IKLSSPLFAILASALISNVAAFTPAIILPTGSRGSFTAVRMAEEDLDGAQVTSARKEL
KFDDKTGRFFETDIDLEECIPEEEFCTIDEDTGSKIRLTVAEKERIFLDALQSYATGRQ
LLSDEDFDLLKEDLQWNGSDVVVNRQETAYLAAMEAYLKGQPIMDDAEFDKLKEELKES
GSKFAVDTEPKCYIDSGVCKVTLQEDKFRSNLLYLPAGLTLVSVWLGLAFELIEPFIRVN
PIILFALGLPLIVDGSKKITEELIFTDKLIAYGPCPSCEYENRIYFGDILGVEGFGDEGS
VKCPNCKTVFTVQRKTLRASTLPK
>comp9648_c0_seq1; 176 102 794 LEN=923; translated
MMIDTTHRPDAVFPFMEFSPIVTTKRMPRKRKSVSFFPKVFAQRTLHRIDFTAEEQMNTW
YSTSELREIKKSSKMLAIKLSVATTTDDGNDETSCLRLGLEGRTLGSLKTRRRRTKAIARN
AVLREQSRQRKWGLVDADRIADEYECTECSSFAANMVGRLDQAAAKELHNEPAATAPIG
ASLPP IATSGPGACRRKSMAASALGDSARSIQRIASISSRRLISDAIFAV
>comp9649_c1_seq1; 389 1 1033 LEN=1259; translated
XRHIVQSLVENVSDPSVVVRECLSGTKSLAEEIFPRTSTTLVEYTEEDTLGQFEREIEKR
LWDQDENPDALLEYLLSEGVTTSLAPVEGRWPKTVALVRVLLSPIKNIRTHLKDLSKKE
EEGMDQMVEDTHDSKDYMLVEDAIDKYGRCIQGLLANEAESYGDVTEGGALVLRQAEIV
GCFNASVLRGLVACFLRRSVVGSTAVARWALGDLGDTSTTGTPAVVPRWVNFASDALQAS
AISTGGSNESMVDGSAEASALADCRAMLAYAVKRVCSSLTVRNEKRLDPLQVDLLEG
MKSVALRAKSLDSSGTSTSGLADLCSGFGGAMAVELLKNSLMQL
>comp9650_c0_seq1; 360 161 1384 LEN=1723; translated
MSTTASGEKECNSANIAVIGAGWWSQGWHLPALNNNPRSNLVAIVDTSAQPKSKLNPDL
PLSVLAEKYNTVTFTSIEDFLNDSDIENLDGVVVATPHATHYLIGQVLI EVVKKRKT
SKPLHILMEKPMTTDIEDAMTLYSLVEAESDGESQFWLNHSANYRAQTAMAREAITSGRL
GSVRHVTASFASPLKWI FLDPENDGWNKPSGNMIGNGFQWAQTS HMLAFLFHILPDLQPE
SVYCRMTHSKTTGADISHSATIECVDVATNEIVLINLSGTTLLPGDQYADPPVAKLVQID
VYGNDGSLHYSGNDLDPSSGSLDYRPTNGSIEVLCDFEFEGYDNENYGPESMQNFVELC
CGGYGETIPTAGATVIDGLRSIQVLDAMYKSDASRRTESIVPIKKEE
>comp9650_c0_seq2; 310 161 1315 LEN=1833; translated
MSTTASGEKECNSANIAVIGAGWWSQGWHLPALNNNPRSNLVAIVDTSAQPKSKLNPDL
PLSVLAEKYNTVTFTSIEDFLNDSDIENLDGVVVATPHATHYLIGQVLI EVVKKRKT
SKPLHILMEKPMTTDIEDAMTLYSLVEAESDGESQFWLNHSANYRAQTAMAREAITSGRL
GSVRHVTASFASPLKWI FLDPENDGWNKPSGNMIGNGFQWAQTS HMLAFLFHILPDLQPE
SVYCRMTHSKTTGADISHSATIECVDVATNEIVLINLSGTTLLPGDQYADPPVAKLVQID
VYGNDGSLHYSGNDLDPSSGSLDYRPTNGSIEVLCDFEFEGYDNENYGPESMQNFVELC
CGGYGETIPTAGATVIDGLVRAVV
>comp9650_c0_seq3; 306 190 1712 LEN=2230; translated
MXFSEYRGNRRRLVSHVVLILETKAMLQAHVSPACTQIVQELRIALGSLPVPHDCIGEI
DPFFLYFCEWGLDGLSEEQRKCHHFTTKMLIYGDKTSTIFEISAFPEHHYNPNFDLEWF
LFDPERLAQNSQFRSLQLDTSVCAWEGPKAGXLPALNNNPRSNLVAIVDTSAQPKSKLNP
DLEPLSVLAEKYNTVTFTSIEDFLNDSDIENLDGVVVATPHATHYLIGQVLI EVVKKR
VTNSKPLHILMEKPMTTDIEDAMTLYSLVEAESDGESQFWLNHSANYRAQTAMAREAIT

GRLGSRHVHTASFASPLKWI FLDPENDGWNKPSGNMIGNFGWAQTS HMLAFLFHILPDL
QPESVYCRMTHSKTTGADISHSATIECV DVATNEIVLINLSGTTLLPGDQYADPPVAKLV
QIDVYGNDSGLHYSNGNDLDPSSGSLDYRPTNGSIEVLCDRFEFEGYDNENYGPESMQNFV
ELCCGGYGETIPTAGATVIDGLVRAVV

>comp9650_c0_seq4; 356 190 1781 LEN=2120; translated
MXFSEYRGNRRRLVSHVVLILETKAMLQAHVSPACTQIVQELRIALGSLPVP HDCIGEI
DPFPLYFCEWGLDGLSEEQRKCHHFTTKMLIYGDKTSTIFEISAFPEHHYNPNFDLEWF
LFDPERLAQNSQFRSLQLDTSVCAWEGPKAGXLPALNNNPRSNLVAIVD TSAQPKSKLNP
DLEPLSVLAEKYNTVTFTSIEDFLNDSDIENLDG VVVATPHATHYLIGQVLI EVVKKRK
VTNSKPLHILMEKPMTTDIEDAMTLYSLVEAESDGESQFWLNHSANYRAQTAMAREAIT S
GRLGSRHVHTASFASPLKWI FLDPENDGWNKPSGNMIGNFGWAQTS HMLAFLFHILPDL
QPESVYCRMTHSKTTGADISHSATIECV DVATNEIVLINLSGTTLLPGDQYADPPVAKLV
QIDVYGNDSGLHYSNGNDLDPSSGSLDYRPTNGSIEVLCDRFEFEGYDNENYGPESMQNFV
ELCCGGYGETIPTAGATVIDGLRSIQVLDAMYKSDASRRTESIVPIPKEE

>comp9652_c0_seq1; 634 288 2876 LEN=2896; translated
MMKALMMDGAVLKDIEDHSSYPV LQKSSEMDFDEKIVSIDDEYNKEYRNEEEEDWFDYN
RWWKELRLYDEKNVFNTRDFGVAPYEV CQYVEDVCRI SGQKGWVYNPHNSHMYPKNQRPV
VEFYGHRDDQDYENYGGDAMFFKEFG EWNVGYFGTGDKEGKNVSSQHRSPPKCSYMPVTN
HFVLVADYTHMLGEFYRSRIYSPLIELIHF LVTVSSSTHTWPLVAVPKNWHHKKGWLSKSQ
KRLIKANETFKGASTTTTANNTAGL TLMKRFQKQSKFYLSGVDNKKKKMLES HHALLGLI
SDHPASISEKLNKLSMAETLRDHQRNRSRVKHKEQHEESQCACVKR LFFCGYERQTVSP
NGKEIPPPSPHVPPLWRITNTGQLD GKFDSDGHIQRI IREQVSKHDSIKNL TREYLLLEKKT
RLIDGCSDDDDDEDVDEENEKDS DGKQDKDNDKKKKKADIEGLEK WIEEYREKKRLMAL
EGRKTTASASSINWGNKAKAKAE PPTNSGAVNWGD KAKPRNEETS RKRLQLLGGT TTT
ARRRLTSVEEGIEVPLVTGSDA IATSNTTANVLNVSSIMENVT DDEFVSDWKIVGLTQRS
DRRTWLNLDGVMNACRERFTNP SDKIVCVQIDVGSREFW NKNLHIAAHSGLSALMGVHG
AQLAEAVFMPAGSLVVEFLFPV PGGMIFGEWTRWAHDAT PLGKIFSHTDL DHIGLPLTIA
SAMHLECIASEKASEHFSTK RLYDCLDYDKNPWDRHF TVPVDSIMDI IDK FVANGTPSK
EEGRPAPSKAAVSGPVQSLPL RYCEDFLNAAGDDYVLYNVN CVPASKSATDSRSPHYYR
TREWLEEKTHSYMNSSLLFNT

>comp9653_c0_seq1; 256 1 589 LEN=653; translated
XRFQEAVGKARKGARPEPDV PNPNGPCVGSANCFLEPNGYHATGYHAGSGT QQTGKTELKQV
VVDALRDPSSRVLLNYDRGGIG QGPMGHGHSPLGAYHEETDSFLVMDVAKYKHPMVWVP
WDDLWGGAAATIDTCSTMVAPADGAPS IDWTKRSFAEIAKAIQ SXMPPEGESRICCGLEDDH
LVGYQSGGGFKEDAQD

>comp9653_c0_seq2; 615 98 1359 LEN=1423; translated
MAFQEASSEGASLLPVQRSNNGCEVDH QKGNHRRPKEHNKYLLIPAVCAASAGLLVCIAS
AWQQRGPGSRQGSLLPSVPSAPHYWNDEM VYKWEFFLLSTNHPKNSGF DLSEAAKVSLLA
PVSSQPLATRAAVDKSKKSP LLYFNESIAFSRLDPI GDDFFRYQSGWEAQITQSLCAVAT
TAAMLNSLRDVGKDFVLP LDPVYVFPFWATQSNILDADDGLHGACVASALGGRSNAGAVR
HIGLGTGTLPGFANCFLEPNGYHATGYHAGSGT QQTGKTELKQVVVDALRDPSSRVLLNY
DRGGIGQGPMGHGHSPLGAYHEETDSFLVMDVAKYKHPMVWVP WDDLWGGAAATIDTCST
MVAPADGAPSIDWTKRSFAEIAKAIQ SXMPPEGESRICCGLEDDH LVGYQSGGGFKEDAQD

>comp9655_c0_seq1; 232 1 952 LEN=1607; translated
XFWSGLYL VFSHSYVLLILGV SCLYEVAMTLLDYQMKLLGFARFRADGGGAANRLLGGTM
SFSKFMGHYGVVNLTSLLFSSLLFPFLIKRLGLRRTLLWFPTMLLVVTFLAYGAMPGNL
AVL FVSLSLKAMTYSIHDP SKELLYIPTSN AVKFRAKFWIDV VGERISKAIGSAFN TLA
RDVEESLRIGTL PCLLTALGLWTAC YLVGLRFDELLATGKIVGLEHPIDPSTYSRVPGER
DGGDDCESAGGADAFYGGRGYDCRPRGGFGELEIAFVDG DDEDVSTL DLLADPAAPRGG
EPLAVRGIEMPSLSRRV

>comp9656_c0_seq1; 325 791 1693 LEN=1961; translated
MAAEIDPMPSPESFKIGIVALEATGGNGKDL DHLRRAVEAYRKALKRSMKASILFNMGVA
LERLGEIEEAEPILERIQRSEAHTSCLSDSWGYVRWHTRNTDPALLNLHRGTRDMLKLAL
DAAMPLIEGQRENRS HGLVCEFGVSGSKSMRMTQEILPLDIEMHGFDFTTGLPQAWGSEP
AGAYSTGGIIPSISSNVFFHKGLFSDTLTPFLEDYGDNAYVAYANIDCDLYTSTVDILEA
LHGRIVVGTILVFEYVCHPTWRQDEFRAWRESCKRFGWKYEYLGFSLSKQAVRVVTGV

>comp9656_c0_seq2; 317 188 928 LEN=993; translated
MKKLD CRLVLAWTVLAALSTDAFTVDTAACRSTNIYNRGITHPRPTPSSLSL SLAGLIDEP
TTFNSVIGEADRAFQRGEQLDKSGQ PRLASGAFHEAATLFQCFLELPENFEHV TNLSKDD
CQAVLAYTTLVRLGFLNVESLSDARS AVRLYSMAAEIDPMPSPESFKIGIVALEATGGNGK

DLDHLRRAVEAYRKALKRSMKASILFNMGVALERLGEIEEAEPILERIQRSEAHTSCLSD
SWGYYR
>comp9656_c0_seq3; 225 188 643 LEN=1143; translated
MKKLDCLVLAWTVLAALSTDAFTVDTAACRSTNIYNRGITHPRPTPSSLSLGLIDEP
TTFNSVIGEADRAFQRGEQLDKSGQPRLASGAFHEAATLFQCFLELPENFEHVNTLSKDD
CQAVLAYTLVRLGFLNVEESLSDARSARVLYS
>comp9656_c0_seq4; 235 117 650 LEN=918; translated
MPLIEGQRENRSGLVCEFGVSGKSMRMTQEILPLDIEMHGFDFTFTGLPQAWGSEPAGA
YSTGGIIPSISSNVFFHKGLFSDTLTPFLEDYGDNAYVAYANIDCDLYTSTVDILEALHG
RIVVGTILVFDEYVCHPTWRQDEFRAWRESCKRFGWKYEYLGFSLSKQAVRVVTGV
>comp9656_c0_seq5; 440 188 1543 LEN=1811; translated
MKKLDCLVLAWTVLAALSTDAFTVDTAACRSTNIYNRGITHPRPTPSSLSLGLIDEP
TTFNSVIGEADRAFQRGEQLDKSGQPRLASGAFHEAATLFQCFLELPENFEHVNTLSKDD
CQAVLAYTLVRLGFLNVEESLSDARSARVLYSMAAEIDPMPSPESFKGIGVALEATGGNGK
DLDHLRRAVEAYRKALKRSMKASILFNMGVALERLGEIEEAEPILERIQRSEAHTSCLSD
SWGYYRWHTRNTDPALLNLHRGTRDMLKLALDAAMPLIEGQRENRSGLVCEFGVSGK
MRMTQEILPLDIEMHGFDFTFTGLPQAWGSEPAGAYSTGGIIPSISSNVFFHKGLFSDTLT
PFLEDYGDNAYVAYANIDCDLYTSTVDILEALHGRIVVGTILVFDEYVCHPTWRQDEFRA
WRESCKRFGWKYEYLGFSLSKQAVRVVTGV
>comp9657_c0_seq1; 626 353 2170 LEN=2250; translated
MSFSLGRSFATTVVRRAAGFQAAARSARMQVRVAGLPWRTSALASPTSRWMSSASDTGKEK
EKTEEEKAQIKAAREARKAEKERKKAKEKAKKEAORLAKEAAERIDDVNYLSVEEQDSYE
PYGDMSRIMSRRTGREFAKVKDLGETHAPGDTIWLRLRHSIRVKGGSCFLVLRQDSF
HTVQAVFFKDKENPEQSQKMIKYLKSLTEESIIDIETLESADVKSQSVQSMELKIQRIH
SVAKAQSIPLFVEDASRSEAEVDASQETDRPFRLGQELRLDNRWMDLRAPANNAIMRI
QSMVCQLFRESLYSQGFVEIHTPKLIAGESESGAGVFTTDYFGETACLAQSPQLFKQMAI
SSDLTRVFEIGPVFRAENSHTRRHLCEFTGLDLEMAINDHYMETLEVIHEMFKHIFNGLE
SRLANELAIIREQYASEPVFTTDEPCVLHWPEAMEILTEKGFDIGDGYGLTGAMELALG
EAVKEKYGTDFMFLDKYPMEIRPFYTMPDAEDPKFSNSYDIFIRGQIEICSGAQRCHDPEL
LTEILEQKGIPEGALDAYQKSFKDGIFPHAGAGIGLERVFLYLGLDNVRKASMFPRDP
NRCAP
>comp9658_c0_seq1; 421 1598 2623 LEN=3138; translated
MAHFEGSQLGMYLKNLKENDRASFDEIMASAKGKYYENKNPNAESIIEKAAQIDEENPTV
LVGVVSSRSNFDTRVKSIVKTWGDQPNIPEGTLRFFVGGPPEDSESYGKSKDEDEIYLA
KSAGIKDSSMVVMDGVVDDEYPPVRKNTAMIERMKNIVESFESNTDAPSTFQWIYKVD
DAYVNFDMGLSFIRTRSTEGYRIYGERGTGRKEDSNGLKRGGLVKPYCTGGPGYIMSRQ
VNATAPHFKECVEEFDNSEERKYVWHSDTVIGLCIYKATGAGCWDENDYHTRIFRHNK
NEDPFISTAHLGETIATHPFKDHSLMAKQHSRYIELASALM
>comp9658_c0_seq2; 421 200 1225 LEN=1740; translated
MAHFEGSQLGMYLKNLKENDRASFDEIMASAKGKYYENKNPNAESIIEKAAQIDEENPTV
LVGVVSSRSNFDTRVKSIVKTWGDQPNIPEGTLRFFVGGPPEDSESYGKSKDEDEIYLA
KSAGIKDSSMVVMDGVVDDEYPPVRKNTAMIERMKNIVESFESNTDAPSTFQWIYKVD
DAYVNFDMGLSFIRTRSTEGYRIYGERGTGRKEDSNGLKRGGLVKPYCTGGPGYIMSRQ
VNATAPHFKECVEEFDNSEERKYVWHSDTVIGLCIYKATGAGCWDENDYHTRIFRHNK
NEDPFISTAHLGETIATHPFKDHSLMAKQHSRYIELASALM
>comp9658_c0_seq3; 606 104 2533 LEN=3048; translated
MKSWRIRLVFHGLVIGLVCMIKVYKRAIRDNSRERSTLANEFHRSQSQQRSIHEIHLG
GSRDGSVRRSESKTQAQIVVAPWTTLAKNHNTDSSSTGKTKKDDTELRSFVFAEPAKL
DSEYGVPMTKVDKKELEKIQEASRRLCARSKKASENGKATLRCKENLDLLRCVSCSERD
GTWYTAVSETGAVFGKVFNETSLNFPNYNDGPFMYQLDIAVPISEGDDKLRRAAKLGA
SIKKFRSGLFGAKITIRLLITRFPFETPAVGTRGLEKFRKHLAKAAGLLDVADDVVFVPV
KGVSQFSRAKAVNALHRKAYHEDNSALAVIDVDLSIESKFLRNALTYTFPGASAYFPIMF
SAYDPKSVELVDKFI PHNNRYRFSDDHGHWRKFSFGMYVVIAGSDAPRLSMNEDFVWGGE
DNDFFSRVSRKLNIRLRETGLTHVWHPKHCKLGGFVEKKYYQACIGSMAHFEGSQLGMY
LKNLKENDRASFDEIMASAKGKYYENKNPNAESIIEKAAQIDEENPTV LVGVVSSRSNFD
TRVKSIVKTWGDQPNIPEGTLRFFVGGPPEDSESYGKSKDEDEIYLA KSAGIKDSSMVV
VMDGVVDDEYPPVRKNTAMIERMKNIVESFESNTDAPSTFQWIYKVD DAYVNFDMGLSF
IRTRSTEGYRIYGERGTGRKEDSNGLKRGGLVKPYCTGGPGYIMSRQVNATAPHFKEC
VEEFDNSEERKYVWHSDTVIGLCIYKATGAGCWDENDYHTRIFRHNK NEDPFISTAHLG
ETIATHPFKDHSLMAKQHSRYIELASALM

>comp9659_c0_seq1; 687 1 2177 LEN=2303; translated
KQYYLVMDLITGGELFDHLSNDGAYSEADAARLIFEISSALAFMHGVIHCDIKPENLM
LC SRKRRGGTIKI IDFGCAITQPVGHYDDEPQSGETNHNATAGGDGDAGNRPPGMIETGT
TGYWPPERFRGQEITPAVDTWALGI ILYIMLMGFHPFDIRCDRSDEEVAEAIQQNPLPPM
DEAYVGHLSSEAKDLIRRLMEFPDPSRRMRAYELLLHHPWVQGETATTEVIADSDKRLSKFQ
DLRYKLEASVFAVLVNQGHQDLTMSEARRRNSVSKNNSGVSIMKSAFDVFDGDGKGFITG
EDIGKVV TERTGEVIQTRDANEF LKVNNDLEVSLSNFSNLFSGMKHKHYPRGHYIFHAG
DEGRSMYFLSSGKVEVQTRKGQLVAMLRSGDFFGEGSLLDDSKRRFTTAKCATPV DVVEI
KREDFDRYTRSSIDTKNELKRKWRARSLVYAKNLLRLEQSVKARTLSKGDVVYHEGDKGT
AMYRVDDTKGGELEVLHGDVPVHRYVEGDSFGESSLLFDKPRSSTVRCISDTCRIHEMSG
EDFMAVIQSSPDSADSRNMCRKRLFKRAVKQFSLETNRGLTDDDI VAAFHNADEDNSGY
LSVEDVRRIMHRMDPEFP ISEIHELMKFVDVDEEDGRVDIHEFKQIFRQFEDEKAXNETKR
SDRNVFSPGEVTLKRGARRRPGRGVVP PGDASTRNPGGWRNTEQDSATQPTFSSARQPSA
TKRRS

>comp9659_c0_seq3; 445 153 1234 LEN=1360; translated
MYFLSSGKVEVQTRKGQLVAMLRSGDFFGEGSLLDDSKRRFTTAKCATPV DVVEIKREDF
DRYTRSSIDTKNELKRKWRARSLVYAKNLLRLEQSVKARTLSKGDVVYHEGDKGTAMYRV
DDTKGGELEVLHGDVPVHRYVEGDSFGESSLLFDKPRSSTVRCISDTCRIHEMSGEDFMA
VIQSSPDSADSRNMCRKRLFKRAVKQFSLETNRGLTDDDI VAAFHNADEDNSGYLSVED
VRRIMHRMDPEFP ISEIHELMKFVDVDEEDGRVDIHEFKQIFRQFEDEKAXNETKRSDRNV
FSPGEVTLKRGARRRPGRGVVP PGDASTRNPGGWRNTEQDSATQPTFSSARQPSATKRRS

>comp9660_c0_seq1; 782 1 2874 LEN=2874; minus strand; translated
XSTQINLGSNIHHSADRENVSVSDDIKLLKSPLFWNLFFWIVLPLLVSIVAIMI IAGVQI
LTTFFPQWIK EANSTSF DLEKENLQSSATLIVKHIEHVDFEPLLDLHMISRLSGWLLFGAV
NRSGSFTDIEMEFVVEECKYYENIQECPFEMNTRSPCFCEWNDPWGRLCDIEDGNNLTST
SDPRYVQRMWYMNQIHAGNESFPVVDYSPESTSWYTNSNRMQGS DKG SNAEGYSTAYDRL
RVSSALS AIIPIIYNYGSSVRGEGSTNTAMSGYISFEAEGEYYGYDGCNYDVAGYSQFQS
SEENSAYLVRPDLCP LKFGFYDPRCRSWYAEAKERALDHNASVYITPPYQFANTDEIGNT
AVSSLIDPKSGEFVGNLIDFSTTDIAKIASKISAKYYAVVIPNAKDGQNLVASSHFSSK
TTPKPI TDVIMQFDPANSSFVRDFNKVMLDMGSEGKEATCDLYRTNRRGEVEQFCVHEP
VYYREVRPVQSDDFGRGTEVSTKFLYSVVLFEPTKDLSTEYTTRSHVITRALQNTAILYI
LMTALITFICIIVTAMVSSIDKANLAKLLLLGVAHTTFAFHVDVDFVVDHKTNDP VVATVK
QVNAGRIEDDMPPLTGG SREVHRVHTSFAKLYKVVRLSNSAFFLGD LKLAHHTAQDALQL
FQKIGDSKAI AIANNNMGNLLLAWMVECRHHG SCLTVDDENG SFCCMVA AIKHYDKAVQ
SGKKDFDNASGDAEKCYAQQLADRHFNRAMCLLYTADDP CASSNAKETALDDLFLTRQY
DQGVKEYMLH SKTLFKHSDVIFERYLRRLNGLAVLIDIDPDVWNVWDIYDLADQADLMLQ
AAWNKDDAPIFHNVKQVGR LQELSAVTGVELSAGKGN DALLLATRMLVEDEFILDSAFI
ETADCLLQYL RNSDTGR TDEDDHGSDDSND SF DAGAAPP RDAPRKGWSETSTAML RQX

>comp9660_c0_seq2; 569 1 1816 LEN=1990; minus strand; translated
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LTTFFPQWIK EANSTSF DLEKENLQSSATLIVKHIEHVDFEPLLDLHMISRLSGWLLFGAV
NRSGSFTDIEMEFVVEECKYYENIQECPFEMNTRSPCFCEWNDPWGRLCDIEDGNNLTST
SDPRYVQRMWYMNQIHAGNESFPVVDYSPESTSWYTNSNRMQGS DKG SNAEGYSTAYDRL
RVSSALS AIIPIIYNYGSSVRGEGSTNTAMSGYISFEAEGEYYGYDGCNYDVAGYSQFQS
SEENSAYLVRPDLCP LKFGFYDPRCRSWYAEAKERALDHNASVYITPPYQFANTDEIGNT
AVSSLIDPKSGEFVGNLIDFSTTDIAKIASKISAKYYAVVIPNAKDGQNLVASSHFSSK
TTPKPI TDVIMQFDPANSSFVRDFNKVMLDMGSEGKEATCDLYRTNRRGEVEQFCVHEP
VYYREVRPVQSDDFGRGTEVSTKFLYSVVLFEPTKDLSTEYTTRSHVITRALQNTAILYI
LMTALITFICIIVTAMVSSIDKANLAKLLLLGVAHTTFAFHVDVDFVVDHKTNDP VVANCQ
AGERR

>comp9660_c0_seq3; 784 1 4714 LEN=4982; translated
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KSNKYTYVFPSPIPPDEYDPNYKPDFLIFGSINADVQDETIDEIAELIDRDVTEFIIVS
VALGAVGLGCMLSVVAIVAHFLTQPLKWI ESKSWEIVNHS DTRVSDSFRLSLEDDEKSY
DFFSFIPKTEVQELVSEFRNMI SFGSGEDASRVSVPRHTETKNI VTKWDEFLQFYTLSP T
LKHKLKEESIRHR SVTRRMS SAKSSISQLDTADFSKFDSDIHEEKHNLSFRSIEWEQK
PTVVRENSMISITSTQKMSWLDTRSEITSTQINLGSNIHHSADRENVSVSDDIKLLKSP
LFWNLFFWIVLPLLVSIVAIMI IAGVQILTTFFPQWIK EANSTSF DLEKENLQSSATLIVK
HIEHVDFEPLLDLHMISRLSGWLLFGAVNRSGSFTDIEMEFVVEECKYYENIQECPFEMN

TRSPCFCEWNDPWGRLCDIEDGNNLTSTSDPRYVQRMWYMNQIHAGNESFPVVDYSPEST
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YISFEAEGEYYGYDGCNYDVAGYSQFQSSEENSAYLVRPDLCPGKFGYDPRCRSWYAEA
KERALDHNASVYITPPYQFANTDEIGNTAVSSSLIDPKSGEFVGNLIDFSTTDIAK IASK
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SEGKEATCDLYRTNRRGEVEQFCCVHEPVYYREVRPVQSDDFGRGTEVSTKFLYSVVLFE
PTKDLSTEYTTTRSHVITRALQNTAILYILMTALITFICIVTAMISSSITRPMIQLLQTV
KQVNAGRIEDDMPPLTGGSREVHRVHTSFAKLYKVVRLSNSAFFLGLDLKLAHHTAQDALQ
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QSGKKDFDNASGDAEKQYAQQLADRHFNRAMCLLYTADDPACASSNAKETALDDLFTRQ
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QAAWNKDDAPIFHNVKQVGRLQELESAVTGVELSAGKGNLALLATRMLVEDEFILDSAF
IETADCLLQYLRNSDTGRTDEDDDHGSDSNDSDAGAAPPRDAPRKGWSETSTAMLRQE
LKRMRKPGMQRALDTIGRTFVLCIELQGHWNRRSFLADLRNACTSFYEENCRSDDSMGM
VTFAPSSGDLRRLSPSRSSQNEDSQRAEIEAATTGVACSRFVPALEGAIEMALSAAEASTS
CDVCLLYVSDGGAYERGAYARLRKTLERGRGKGRRRGRHPPISPCIDLVLGLGADPSSG
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RLQRALTMQKF

>comp9660_c0_seq4; 715 1 3040 LEN=3040; translated
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KSNGKYYTVFPPSPIPPDEYDPNYKPDFLIFGINSINADVQDETIDEIAELIDRDVTEFIIVS
VALGAVGLGCMLSVVAIVAHFLTQPLKWIESKSWEIVNHS DTRVSDSFRLSLEDDDEDKSY
DFFSFI PKTEVQELVSEFRNMISGFGEDASRVSVPRHTETKNIIVTWKDEFLQFYTLSP
LKHKLKEESIRHRSVTRRMSSSAKSSISQLDADF SKFDDSDIHEEKHNL SFRSIEWEQK
PTVVRENSMISITSTQKMSWLDTRSEITSTQINLGSNIHHSADRENVSVSDDIKLLKSP
LFWNLFFWIVLPLLVSI VAIMI IAGVQILTTFPQWIKANSTSF DLEKENLQSSATLIVK
HIEHVDFEPLLDLHMISRLSGWLLFGAVNRSGSFTDIEMEFVEECKYYENIQECPFEMNN
TRSPCFCEWNDPWGRLCDIEDGNNLTSTSDPRYVQRMWYMNQIHAGNESFPVVDYSPEST
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KERALDHNASVYITPPYQFANTDEIGNTAVSSSLIDPKSGEFVGNLIDFSTTDIAK IASK
ISAKYYAVVIPNAKDGQNLVASSHFSSKTTPKPITDVIMQFDPANSSFVRDFNKVMLDMG
SEGKEATCDLYRTNRRGEVEQFCCVHEPVYYREVRPVQSDDFGRGTEVSTKFLYSVVLFE
PTKDLSTEYTTTRSHVITRALQNTAILYILMTALITFICIVTAMISSSITRPMIQLLQTV
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>comp9661_c0_seq1; 775 61 1901 LEN=2173; translated
MKACHFGDIRNNSFVLMFLVAFARHGLQGVRSFSLAHRQSGIVQMRNRSRSLSPFN
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EASELAVVLGRGVRGVERRIEKLRDVDSPAYQRLFVKKSTSTAENQNAGAKTAENSSPKR
TQKLVPSSSEVLRRIEWDYQLDANDFFVLHYDRVDNTVVTSPLTAPNEGINS AETSLVKAL
PEHRIVAIAYKDRVVWDRRYNRKHDVFFGPPGIVQIVESYGEWKEFRDKQLEEQAALRA
WKTRWVDLLGSELQRNELLRRTEDILGGTNAV TGSNADVWKNHGFFSFENK DSESETITL
SKEQQQRVDSYVHGVEYELFRQRAEEETGRDEENSNVGT TDGKSTGVGMMVSLFDELSEWI
ASSCWSSLGEDSGDTGPRNEASLFREMVL RKTAAATMDKLE GKATKTSV SQQQQQQQP IVR
KGKGGKAGSAQPEPEAPAPGGGPRGKLCAGVRRRWPKDQQDEQPRVAGPPP DGDQGRVPG
DEVVPPEPEDRPEAAPREARCAVLSKAERKQKLRQKRRKSR SRNK SRLAAKQERKKQAR
KQELLEDGGDDL DW

>comp9662_c0_seq1; 402 171 1430 LEN=1528; translated
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WEMLSTGEKASTCSEVFSVSGPRAGSVRSIRSLDHSSNQTTLSIPFKIQR TNSSTIDSQ
DNVLGSPSGKIGLV DYM EHVVLPDTLQIGICIA YKVSASQLRRANHFSGTLHSAPKLLI
PLSKQALRTG FIRVQD TDKEYKLHYFQAEFPDISAAEAKGYLELADWELKEAVQSAKED
REWEIGDGIDDENGQYQAKSLKSGQIGIKLGFSGNIPTFNLMGSGHSSSFKLLMKKSNKS
YEKKNESHF EKETTIVHSRPPAIASKSVQVEDLFNAADQHNSYGFELKPIPKRND SFTN

>comp9663_c0_seq1; 507 249 1657 LEN=2162; translated
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YGYGLRSTNNGNGQOEKYGEFQSF FEWSAWSNWQSVEEDNEYFTNYGYEKQARNGADDTY

IEYEGDDAGNGEDDHNDDEEDDVEDEGIVVSEMDSGYDPYMAFDVGNCEYAHLWTYDLLV
SCADGDQHCKCTFTEELMRMGLLSCSDEASCPDECGVCSNCIKSVCGQFVPSKLVTAIEIK
NNSTIILLVIFSMVLLLLLTTFAVIRRRKNNKKGILNESLMDTGDKNWMPVNEADGLPAEK
GGKSKPVWLAPDVSTVPQVPLFPDLLKDVSEQDAITSPDSDTMPKENEIKTREHQQAVEL
SPVGTGDCDSPKRQHPGPWLVPSNCSIPSSISNSTDSGKSIGTLEGEI
>comp9664_c0_seq1; 658 1 1851 LEN=2004; translated
PGWYETVLNLLGEERRQASTVFGPTEAPEIVVRVLREAFRPILPSFQSRLEMAFSSATTA
TAGGATAMGSLETICSIYESTLRFLSLAYDLVAGTFLLDLVESGANKKGGDTGLELFFKDMQG
VFLQLASPFALYAQRFPDLEAKHSRVAAGMVSKDIQQTVGTLSSSTSITLQTLQEATNRLK
DLASFIFPIVDGSLRFEELLNGGYRVRAALRSVDTILSNHLGELVIAVNSLSAAMTV DAN
KLADFEQHVLCAMEVLKMGVGNFRDRNFEGGTRGRMQALSERMEDHLAQAANLEAPG
NSFLVPDLSVMEIDSYLTSVFCSDDDTSTDGDEANPSLALQITIGIGQDVLYSAAEEAV
KRLASSCHSFVFDVCSAVPNKHLNALSEMTAWRESDSASDNFDSYGTLPQQYITQVGEHM
LSLVQAFEPFASDPATLSLVNEVMDNARDVALQSWSEFAASAGYVGSDSAVSSLMNGKDI
LGLVLANAALTEEDAALTEEGATEDEIRSA AFCNVWLDAIGLGVTRLLERIMRIPQLTPK
GCDHLNSDLNLYLVNVSALGVAGHPHPLVTHTA AVAMLSDDDLNAQIRSRNMDSEVEIAL
RALEARIALRRGISVG
>comp9664_c1_seq1; 339 78 1023 LEN=1023; translated
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KMAELALQLQIQTSCHEDIGRIGAEQLAILPRCAADVGRVGVGLEGMRVDAETLLETG
MGGGEDGLSGSLETLSTLHALRANLSGTKEVLTAAATWDSTIGSVAPLLAEQNLTEAVHA
LAQLETGERALRGMPNREERQRSIQDIREQVQVLLQPQLRHALQNMHTRLAPLQQCVTLY
SKLGKMDSLRDDYVKQRPGAVHKAWFSYAPPKTAYGGGRNSSGATTTATASGTPEDGAAG
GMTSSDQAAAARQAGX
>comp9665_c0_seq1; 423 95 697 LEN=775; translated
MNDLLSKERSLQSGGNATETSTAEGNATAPTEPISSEPIPSPTAPKAPTAVSSPAGSSVP
APSSVTPVSPGTGFSSTSAEAPSASGGGVFPANGPGSGALAPTYSYNDKTSPAWSSGANT
SSSSSPVSGSGGFFTPLNILLVAVAVGAVALLVFWKFKAWKLRREKQRLRLQSTRVDMV
LGDMQVMGMDYDGDPELI
>comp9666_c0_seq1; 208 1 783 LEN=783; translated
XFLQFEHLSNLTKSLHRAQTAQIMAINTKRIHTASLLLLFCIGFQSWSLVASFESPNAFR
SRHNGHRLIELSVAPRQPDSSLWSTASDDGDSMRMLLEESWNTSKMGRVPADPEAAAKEA
HASILRAAGANAADDDLVEESDGMMSGIFFVDLLPAYDISLKQDGVNLYDEVVAVEYCIA
LANCFKGTETIVVRDDMTVGTVTKVLQAREESEREEQRKAEKREERERLLEEQEKE
NFAKITDGDVFGQEDSDDDDX
>comp9667_c0_seq1; 380 358 1236 LEN=1690; translated
MGAEGRYLGIQRFRFYIKCTHCSRTISFLTDPKNADYEMESGGTRNYEVYKDKERTEEE
MALEKEKDEKEDPMKALENRVLESQREMADLDNLEEIRAMNHKHLKLMSSSGDGGF DAKA
VLKALDDR IQEEAIHETEELNEHGTT EEEERLIQSIRFGKNRGQIADSTGGEMMYGGSE
RGNRPASTVLRRLGTDDERREEEKRKDMELILQRQKKVDHGSSNANKTTFIGASVKIKVK
RKKVVAKADSMKAKTTDSKATSEPPAPTPTVKTNSLASLLGDYGSSES
>comp9668_c0_seq1; 326 186 1414 LEN=1467; translated
MTAATDTKREADSLETNLEQLQDKLQQGGLYTTRNNNRRDHVHYFSTLFAGVGS GALS
SFVCAPLDLIRTRMQVWGD IQEQEKLKQVHRQORPGSSSLKLSKPIPTAEAFRVLKKE
GPRGMFRGLGATLVTVPLFWGVYFPLYDETKHFLQNSRLPQEHFGIDLVDYHPGVVHCM
SAIFTGAIADLICNPFVVRTRLQTQALHELTSATSAAAGAGTVRVTGERISMLQMASRLY
SQNGLPVFWRGMTANLIGLSHCAVQFPAYEFLKGYLRERRKGSNNETLGGQSTSSSENTVT
ELLLASGMAKMSALLSYPHEVLRSRMVDNRSSASPTLSGTAKQIFRNEGVLGFYNXARG
DAGESHSQLLRHLFVVRDDIEALEGVFREKSMTRIDDKKRCVSKLKDI AW
>comp9670_c0_seq3; 746 88 1983 LEN=2112; translated
MPATRQRQSQKESVTPDLVASVTLEKGSNRPTRRSTRRTAVKAEESVVDGTD SAAVKEEE
PEADEGDENDDQENLENSYFLDGQKFTNYQDYVTAKRKRNQAVIMKLGFGSSGNDANKR
LKIGREANPATQRGLRSNKKKAANKAPPVRSRKSRSISGDGTKLVALDMYANDWALYNTV
VTKKGEGGND AESDEDEQETFFKGRVNDGSPLSLKEAIE MNEPKWIHDDSEDNAKRL LQK
LVSCDDSESASDARRSPTS SVSASWETELETDKVEALSIDKEEWICKVTPDRIYGVATHP
SESKLICCAGDKQGYVGLWDVDGKSAGDEGGEKENNGIVSLFRVHSRPICCLEWMDNEHM
VTASYDGSVRRNAQTGTFEEIFATYDESDSTYLEDLGFGLDQGYRYWTQSVATDHR YKD
ACLFVSTSLGDV FHVDLRKKQKMTFHETVSDKKINSVSLHPNGTTLASSGNDGVVQLFDI
RKFGDSRNSKSPKPLCTQTAGLSVSSSFFSPSGKSLTTSFANRLDLTEDAHLAKGGKK
IQPTH SIRHNNQTGRWLTTFQARWHPAADIFCCGMNKPRCMEIFDANGRLRLREVTGEAL

GSVMSRTCFHPSTKQLILVGGNSSGRMVAIR

>comp9670_c0_seq4; 761 88 2245 LEN=2245; translated
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LKIGREANPATQRGLRSNKKKAANKAPPVRSRKSSRISGDGTKLVALDMYANDWALYNTV
VTKKGEAGNDAESDEDEQETFFKGRVNDGSPLSLKEAIEMNPKWIHDDSEDNAKRLQK
LVSCDDSESAKSDARRSPTS SVVSASWETELETDKVEALSIDKEEWICKVTPDRIYGVATHP
SESKLICCAGDKQGYVGLWDVDGKSAGDEGEKENNGIVSLFRVHSRPICCLEWMDNEHM
VTASYDGSVRRRLNAQTGTFEEIFATYDESDSTYLEDLGFGLDQGYRYWTQSVATDHRYKD
ACLFVSTSLGDV FHVDLRKKQKMTFHETVSDKKINSVSLHPNGTTLASSGNDGVVQLFDI
RKFGRSRSKSPKPLCTQTAGLSVSSSFFSPSGKSLTTSFANRLDLTEDAHLAKGGKK
IQPTHSIRHNNQTGRSNKGINRSPFSFALHWNSQQSFRPHDNVTLRITTTTTTTGHRSL
VDNFPKMASSGGHFLLRQHEQTPHGNFRCKWPTLAGSDGRSPWLRHEPNVLSPLDQAT
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>comp9671_c0_seq1; 416 1 1395 LEN=1920; translated
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GILVAYKEEQTGASNDYGHNAFGLLLLLERLFWFGVGVGAYLLLARLLVLLPEPEHLYLLE
DPGDDEDHKNRYDLYLSDDGDKDEEASSGLSPLLVRRRRATGNTKGGTKNVALDRALSS
DTLSSSNHSSSLKALENTTPYPEVVETGEDLSAFSKERRRRSWRVTLMLFASLLIHNFP
GLCVAASAKESPELGITVAIGIFIHNVPEGIAISVPCIAARPDQPWLAFWLASASGLAEP
LGAVVALSMLGASSDPPDLENVLSFVAGVMITVALRELYPEALKAAEEASKHSQQHSTRD
STREALLFRSPRLSRFMLQPQNRSIVWGSVMGTALMVATELYLT

>comp9671_c0_seq3; 302 1 849 LEN=2066; translated
LLLRTLGRPRTKSVGKKYKMETMTLFSALLLLLLLQSATGVAESSMNTGGEEESQIHLGGPS
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GILVAYKEEQTGASNDYGHNAFGLLLLLERLFWFGVGVGAYLLLARLLVLLPEPEHLYLLE
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>comp9671_c0_seq4; 302 1 849 LEN=1266; translated
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GILVAYKEEQTGASNDYGHNAFGLLLLLERLFWFGVGVGAYLLLARLLVLLPEPEHLYLLE
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DTLSSSNHSSSLKALENTTPYPEVVETGEDLSAFSKERRRRSW

>comp9672_c0_seq1; 292 92 1398 LEN=2042; translated
MAIALLIAFFSFVPRGSI SNNGSAAQRGPAREFVLSIVSLMVSVLLLGETRDTALALSSP
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MTKERLLGLPSAPGTASPSTRPPSGSFKAVEPLNDPTFVTAEGQOTIQVTEGAYGCDLQ
NFQSQYGLRFFLDLDFPEGAKRNDVELPAERIYFISSCWIKDEVALERARNRHKELMRRLG
ELRENLSLSSDQOGILGKVMGLRQMTLCVEQIKALEDQLAELEQTYPLQEPEMITSDSP
QRRREFLEGPKGLLFAKDGVI AVKRYRGAMETREQYHWVGTFSFEFFEDLDGDVXVGGRE
FKVTTMTFGEERKAESVGVSPANHAKNIRATQPPFVDATMFYRSRQLNLTVEEMDKSI
LECKKENVTYEIFNM

>comp9673_c0_seq1; 287 86 751 LEN=898; translated
MMLRFLASLALWSNILPFEHVTAFSPLATKGHQKRASIVNGLQMASTASSADTLTVTP
KSLDGTVTPLPGSKSLSNRCLLLAALSEGETRVDNLLSDDIRYMLEALD TLKVPVEKHSS
ESVTVSGQAGPINSPIQENIDLFLGNAGTAMRPLAAALCMGQK FVLDGVPRMRERP
DLIDGLQQLGAEVTCVEETGCPPVTINA EGLKGGEVRFASR

>comp9673_c0_seq2; 590 86 1558 LEN=1640; translated
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ESVTVSGQAGPINSPIQENIDLFLGNAGTAMRPLAAALCMGQK FVLDGVPRMRERP
DLIDGLQQLGAEVTCVEETGCPPVTINA EGLKGGEASISGKMSSQFLSSLLMASPVVDGD
VVIKIKDELISAPYVALTIGLMKKFGVNVEIEGSMDERPTFKIAKSEKYISPESILVEGD
ASSASYFIAGAAITGGTVTVRGCSESVQGDVAFADVMEKMGATVTWGPESITVTRDPSV
QLKGVVDVDCGKIPDAAMTLAVAALFAEGPTTIRNVYSWRLEKETERMKAIVAECTKLGA
VEEFEDYCI IHPPEGNKINDNVL IETYDDHRMAMTFLAACGGVDVI INDPGCTAKTFPTY
FDMLESIATH

>comp9674_c0_seq1; 727 158 2634 LEN=2717; translated

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PEDEKEEGKGNRRVRLAPNTITIAHGSVTGTCSKLATDLLACLREKNLDHRTIQMGSLE
EWDWWDELNSEEEDENAACKSKKNXGGTEPTGAPGALADAPRGFVASHRDVSGIGPPGP
EKRLLEDKTPPQEQATGRRRHGHGMFGLGDDTMGKPAKEAFIGFRTLGAQVFGKQVRVGGD
ATGNQDRVLQAWIYHDILPKLIVDDEEDEAEEDERNEEPEVTDMEDLGTIMESSENDNEGE
VKSSEPREMVTSTQAKSLKKEGYKLIGTHSAVKLCRWTKHQLRGRGGCYKHTFYGITSYQ
CMEATPSLACANKCVFCWRHHKNPVGKEWRWKTDDPNFIVDEAVKTHVKMIKETRGIPGV
NVQRWQEAHTVRHCALSLVGEPVMPYPRINELLEDLHNREISTFLVTNGQHPKAIESLIPI
TQLYVSDAPTPESLIEIDRPLFSDAWERLQEALTLKHKGQRTVARLTVVKGWNSDEVE
GYAKLIALGKVSLEVKGVTFCGKSDASNLNMSNTPWHHEVVDLVKNLKVLDKLRLEGO
DVPEYDLACEHKHSVSVLLARVDQFAETAADGRRMWTWINYPKFHELARKKHEDPTFTY
AVEDYTAETPAWALFGSEEEGFDPVELRHRRKKKPKYRQFDERGVPTHTDDNNEKLSDEE
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>comp9675_c0_seq1; 386 25 1302 LEN=1399; translated
MLRPSVFELYALAIFFVSSSSCQSASPFRQKNILSGGNWKNILPKPRTGSAKNILRVTEN
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TPTKLVLSLQEEQERIHQVVKEEEDQVVEMSREFVETWSEFLCRVPIISLGILRCEKEIGG
KYKKRFGLPKIRLRRKNMKSPPSSNEACNADSMVSSSSLMARFVFPVKLLLEFGKVVES
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GKLTFTIAKTKQMEGEVHEDGGDDASPQNSYKIMTGIVDYRPWLAGGGYTSVVEKTDH
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EPRSK

>comp9676_c0_seq1; 492 336 1811 LEN=1934; translated
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NYALAREAILTGYALVEDDEMIQNVMEGDDFVRLLEWTGMVKHWAYELDGAVTCYRKCAE
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KDLERCIELRPDYVMARLRLAAVLTSTNDAAGANKQLEAAAKVAPESSDVLSYKGELEFT
QNDLPGAKEQFEKAMRLEPKNPTPYVNTALAVLNIPPEPGKQLEIANEAETLLEKAI
EVDQFQAAYVQLGQLKGMATDLNTAREVVELYEKGLNTRCTKEEMKDLGMKLLTQAQVDG
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>comp9676_c0_seq2; 523 1 2229 LEN=2352; translated
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VTDEKELHSHKIEELDRKGGALFKNKQYLQAASTFSEALDYIETHTDSTTQSSLNKQIVT
LINNRSAMYEKGNLPELAVEDCNKILEVYDITHTKARQRKCRILENKMSNYQALVECCA
LQLQYMQHRDQLRMGLPPSAPPPVQQEKLEELVQKLIPEHLDAYDKKILKRMKENPQLP
SDYTLSQLLKSYPGFNAWMAKAAKDGEASEMKKKVEELQAKSMTDAAAIGDIASLWLKIG
RRHIFDGNALAREAILTGYALVEDDEMIQNVMEGDDFVRLLEWTGMVKHWAYELDGAVT
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>comp9676_c0_seq4; 815 115 2037 LEN=2160; translated
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>comp9681_c0_seq1; 796 1 1975 LEN=2046; translated
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>comp9682_c0_seq2; 464 114 1646 LEN=1673; translated
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>comp9682_c0_seq3; 376 563 1768 LEN=1795; translated
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>comp9683_c0_seq1; 230 67 375 LEN=505; translated
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>comp9684_c0_seq1; 317 408 1106 LEN=1237; translated
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>comp9684_c0_seq2; 317 310 1008 LEN=1139; translated
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>comp9685_c0_seq1; 302 401 814 LEN=1364; translated
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>comp9685_c0_seq2; 302 401 814 LEN=1389; translated
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>comp9686_c0_seq1; 751 1 2498 LEN=2515; translated
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>comp9694_c0_seq1; 260 120 1433 LEN=1520; translated
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>comp9695_c0_seq1; 938 142 2959 LEN=2959; translated
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>comp9696_c0_seq2; 272 194 802 LEN=953; translated
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>comp9697_c0_seq1; 344 1 1102 LEN=2096; translated
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>comp9697_c0_seq2; 441 1 1733 LEN=2020; translated
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>comp9697_c0_seq3; 424 157 1564 LEN=1851; translated
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>comp9697_c0_seq4; 482 1 1616 LEN=1903; translated
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>comp9697_c0_seq5; 327 157 933 LEN=1927; translated
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>comp9697_c0_seq6; 504 157 1371 LEN=1658; translated
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PLDGSSNVDAGIPVGTIFGIFDSAEC SIEDIDLTDGIDKAEKCLQDTLQPGSNLVAAGY
CLYSSATS FVF TLD ESIGEFVLTHADMKIPTRGKIYSFN EANRWDWDAPLQ
KYVTDIQKGLGDMKCRYASRYIGSMVGDVHRTLQYGGIFGYPADVKNP DGKLRLLYEAP
MAFLLEQAGGLALTGKNRIMDIPPTSVHQRVPCILGSREDVLEMRRYYVESNDPELINRC
KARLQGARALEENEVEGSSFLGIHNEDKDTNAEEATSGEFGAAQ

>comp9697_c0_seq7; 465 157 1447 LEN=1734; translated
MYLLEKLFVSPQPLLLCQFPQVFTSLQVACKTSLNLVKTS AISGLTGLEDGGGS INVQGE
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PLDGSSNVDAGIPVGTIFGIFDSEAECIESIEDIDLTDGIDKAEKCLQDTLQPGSNLVAAGY
CLYSSATS FVFTL GSGVYGF TLD E SIGEFVL THADMKI PTRGKI YSFNEANRWDWDAPLQ
KYVTD IQKGLGDMKCRYASRYIGSMVGDVHRTLQYGGIFGYPADVKNPDGKLRLLLYEAAP
MAFLLEQVRASRFATTPVIEILALIFFCNVLAGGLALTGKNRIMDIPPTSVHQRVPCIL
GSREDVLEMRRYYVESNDPELINRCKARLQGARALEENEVEGSSFLGIHNEDKDTNAEEA
TSGEFGAAQ

>comp9697_c0_seq8; 521 1 1540 LEN=1827; translated
XIIINIDFNHLTLKPYSYKMRLESIGFQLLSVVLRCGFPLAIDAFVLITPPSSVADPRS
NGGCIRKDRRSEHRNVVKATIENS DGSFETPPPRWNCPIHEDVCSESGVTLSRYMKEMVR
ANPDLEEIESIFTSLQVACKTSLNLVKTS AISGLTGLEDGGGSINVQGEEQKLDVIAND
ILKRALRWSGELATIASEEDKPVNVMGDAIFSGDILVENSGRYVAVFDPLDGSNVDAG
IPVGTIFGIFDSEAECIESIEDIDLTDGIDKAEKCLQDTLQPGSNLVAAGYCLYSSATS FVFTL
GSGVYGF TLD E SIGEFVL THADMKI PTRGKI YSFNEANRWDWDAPLQKYVTD IQKGLG
DMKCRYASRYIGSMVGDVHRTLQYGGIFGYPADVKNPDGKLRLLLYEAAPMAFLLEQAGGL
ALTGKNRIMDIPPTSVHQRVPCILGSREDVLEMRRYYVESNDPELINRCKARLQGARALE
ENEVEGSSFLGIHNEDKDTNAEEATSGEFGAAQ

>comp9698_c0_seq1; 278 1 765 LEN=805; translated
AGSSGVAFLSLSPAQVYASSYVGEAERVVRQAFHLARSTAPCILFFDEIDSIFGNSGGNG
GDGGNLGGSGRGSSAEARVLSTFLNEMDGVDIAGAGKDGVLVLGATNRPWTMDPALLRPG
RLGDKIVYLPDPREARRSIFEKQFAGVLPAAEAGSQESEPGWQLDFDVLVELSEGMTGAE
IVGTCQEAKMHHMREKILRVGPDGDSGTSDNTEAGFTQQDCIVNALMSVKPLLSNPEALE
EFQVFENRDKKGVF

>comp9699_c0_seq1; 388 108 1973 LEN=2074; translated
MAETQSTLREPFLSPIDTRDDEENQRYQHFFYLSNEEVEHESHCTEDLDSHSSGSGSSI
YFPPDILRLAKRNVKTLSTLTFSSFLSRSIWSQGVLSSTFVVLVWKDSPA YVGYALAT TGM
FQI ISSIATRYATRCSDYIANRIETLLQLASII GFFIPAIFFFAVKAQGF PFFLLANALW
GTLLGVMD SALPIV FSEWGTDPKTTTLKYRMCHNLVRLGNIAGTLLTLALFAALGNTWT
IENCYTVMVGLGCNLPVLFMLVTLKSITFAWGEDLSSESELEPEDYNVLAQTDEEQYND
ITEHESQSPSWNEDETDNFI VEGTSIENIFFGAEVGEATEDSSEKTWTAVWRD KIRVP
ILIHISDMFSSIAGGMSIGYFPVYLMQRSKLEPVSIQFMYLI IPLGQWMTPLLAKALS KA
IGPCRACVSLQWVYILSLLSMIACQWNGYPVWVCTLYVVFHGLSMNSTSSLSKAMVLQHV
PAEDQHKWVVENAQMLLWSCAGLLGCCIVDRYGLVNVFVTA VLQFLASAPLAALNYLL
EPPLD TVRTPTEDEMD ESIDSSYDCDEINTSLCCGSYLQSKASSNSVGGYRIEALSPST
QATEIDFDSPREITTI SIHVV

>comp9700_c0_seq1; 382 293 1739 LEN=2095; translated
MAGDSSGGVDEQLNGLVTLKLSVGIDGVDPGLLADGQNRSSRSNKKGAGKYKTANNS
ATSDAQILEI IKK LQAQSDSPEIMEALKNPQLLALASLAAQKQITQTKTSSSKRSKTKS
KKS VTP TLD DVIDDDDNYPKIGPGYSDEVSCISEISTPTVMTS QKVADEEHYRELKGP GA
MTPMHLLGAERSGKGRLSKISETETTPESSRPLGTSQAGGKVNMLGQVRPLPSRAI
PTKSGSVGGAAAQRRLNYQMAMSKLESSGFQQTAPTSSIRSESSNSNNSNEKSKKP
AGLTTGTRSD ESGSGSRKPRDSSSKKDIADIDWGMTEGNWPTLEEEGEKSKSRD
LVVDNDGFLSEIRALAKDKSVAVKKSRRKKPERSETSPSRRTGDGSSGSRSKKSSRENG
ESSSSRKSHRVKRRKKAHLQKEGVRVRESIPHEDDKIEGHHCDSPAGQGFIFKTEQALQ
S

>comp9701_c0_seq1; 386 1 1101 LEN=1399; translated
VALFWNEDQGTLRSGRCATNAVLTG SWIAGSVDPGFSDSATKIVLFLAVAVLAPATLWIE
RCWSKRWGGLLPLLLPANAVVATVLCAGVWNRAMDTRVELCHRG CIGSF GGAGSGADD
INDDDERLPTPGLLVHEVVLHSLSGIFFAENPRNPGSFATGALVLIGVLCSSRVLALAL
AGGAAASGLGLGRLVFGASGQALDGGDVFVGNPALAAAGILYYYGSRGRNPPRKTGLAV
LAAFAAVVVQSAFDAILEL LDDPVATSLGFCFTLLPLLSSSSVFQRIPEPELSTPEDH
GLCLNLCNQKSKEDYDDDDEAGSSLLGDSGRGSGIAKKGSDGSDDDYENIEAPPANEKT
PLLDSP

>comp9702_c0_seq1; 840 369 2675 LEN=3041; translated
MAPSVPPKSEATGGK KKKKSKRNIIDKIPDIPGHDSNDHLVPY AISPLKTNGLGVEPEG
TSVCP IYVSDYEDSSEVAIRGDRKINHKL FQTELPSTTKNTNKPTEEKADDNELDHEEAA
PQKPARSKRNLKKS IKKLSDNKKVENTGKLLTEDNLKEIEKEPLCIDVTAYGDDEDDPV
LERELEEIALNGRRSGLISGTPDKFAYDTQKGKPKGWRRLT KKT KKKK NKI SPDIENNYN
EDDERSWHVGTLT KDKDAK KKKMSFEKKIYSVSIIFAVLMAIGCLSYGI IRSNYPKPGDS
LTAEQKGIHEVLTRVTGEKTLTDTGTPQHS AEWELLYTDEE IWN AEGAEGIIQRFALACF
YFSTGGNDSKPKK WESNNWMEGPEGDENHEAWIGVNCNSDGEIRALALDAWGLSGTIPP

EIGHLSKLENLILKNNPNLTGWIPPSFSLANLRQLGLYNNHLSGVLPDIFEHTKSLKFI
NLESNDIYGSIPLEISHLTSLETLVLKGNRFEGIVPFKQLASTSVRYLGLSNNRFAGRIE
KAIHDVETLEYLYLDHNALRGTIPPHIGNLKQLKSIDLGHNAFTGALPMSIGNLDRLEYF
SLNDNKLAGSLPRRIGSLTRLNLTNLMASNTFTGTVPDLSTLTNLKSLQLYSNELQGTLPK
SLQHLQSIIESIFLSSNRFTGTIPEEISLVSRTLTGFYLSDNLLVGSIPHTLCEFIGLEAL
FLDTNRFDGTIPSCLELEDLQQLYLFKKNLTGTVPPTTFQNLKHLKSKS
>comp9702_c0_seq2; 906 369 2831 LEN=2918; translated
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TSVCPYVSDYEDSSEVAIRGDRKINHKLFTQTELPSTTKNTNKPTTEEKADDNELDHEEAA
PQKPASRKKRNLKKSIIKLSDNKKVENTGKLLTEDNLKEIEKEPLCIDVTAYGDDDDPV
LERELEELIANGRRSGLISGTPDKFAYDTQKGGKPKGWRRLTKKTKKKKKNKISPDENNIN
EDDERSWHVGTTLTKDKDAKKKKMSFEKKIYSVSIIFAVLMAIGCLSYGIIRSNYPKPGDS
LTAEQKGIHEVLTRVTGEKTLTDTGTPQHSAWEWLLYTDEEIWNAEGAEGIIQRFALACF
YFSTGGNDSKPKKWESENWMEGPECGDENHEAWIGVNCNSDGEIRALALDAWGLSGTIPP
EIGHLSKLENLILKNNPNLTGWIPPSFSLANLRQLGLYNNHLSGVLPDIFEHTKSLKFI
NLESNDIYGSIPLEISHLTSLETLVLKGNRFEGIVPFKQLASTSVRYLGLSNNRFAGRIE
KAIHDVETLEYLYLDHNALRGTIPPHIGNLKQLKSIDLGHNAFTGALPMSIGNLDRLEYF
SLNDNKLAGSLPRRIGSLTRLNLTNLMASNTFTGTVPDLSTLTNLKSLQLYSNELQGTLPK
SLQHLQSIIESIFLSSNRFTGTIPEEISLVSRTLTGFYLSDNLLVGSIPHTLCEFIGLEAL
FLDTNRFDGTIPSCLELEDLQQLYLFKKNLTGTVPPTTFQNLKHLTGIGLESNQLVGEVS
DEVCGLVVHHEVDMWADCGVGETALQCPCCVCCPGDSCV
>comp9703_c0_seq1; 450 31 1482 LEN=1482; minus strand; translated
MPCRATERTPGGGNTDPRAFSFSFKAGARTGPDYLPAPAPASAAAPAATAAAPSAAAPAG
RRRPLRPVHPPGGILQELVGGVEAGVLRPALQGGALALLELDPQLAAAKDLVLLQLQEGHR
LDALGQVDDGGVPGADETPLRPEVGVQGEDPLAVGIRAHVELVDQRVVVREGARQGVLA
GDLADLFFLVLVVLPASAGVLAGDGPLGQVEAVRAKGGKGGGTDRIQAEKVASLDGA
LSSRPLLDFAFDGQGVHGFILVVQPGRRPGENEREVAPRYPTPGEGLADVFEGETRPEQ
QIHAPDVAHKVVKLFLEHLDDGPFDDDLLQVARRNLVALALDVGPDLGKDAQAVDLVVAL
AQDEAQLVREQAAGLEADVVSFLDVFVDVRGDAGVGPDPVLLHHADQFRLGEEPGAVVIF
SLTSSEAQTADEETTLTLEDEDSFLFLLKIAMISPFWNSGSRFTSSSSSSSFSASSPYSLC
NKIX
>comp9704_c0_seq1; 639 127 1821 LEN=1828; translated
MASITANTKHKVRVPSTKKVVAGRSKAGAKKAVSKRGSIAPLMKPATLATPAKIEELNGL
DQAEQRIQVTNMCRLAMGEQILIDRSKPHAASSTRDRIGAAADLATAAKELGIKFKVLKEC
EVMDEMQRMLFPEGITKTFGNDDASVGGLKPSISAVSLASMGSCGTDEMTAFTERTTGT
SNRGKSTPANAREGSLIIRAFCEIIGKPAEPYVVGAFIAAALDECGSNSNSVREAAEDT
ATALVKLSNPFVFTSLLSPLLLKAMKSSSEWRVKNALDRLAQCAETAPKQVCSALPALIP
GVTGQVWDTKAQVNKAAGSCLMAICKTNPNDVKPAIPAVVKAVCKPSETNKAVSELMST
TFVVTVDAPTLTMLCPVLSRALKEKLAHAKRAACIVINMNSKLVGSPEDVAPFGGLLVE
LKKVASSVQFEEIRDEALKALASLTKALGDSYKQGEDGAAEAARLEEEKAAVEAEQERI
RQERDAEKAKEEAFRKKKEEKKRYKEAMDAQRQLNKMAEAKKKEEANKKKEAARLS
TKAQGGKCQGCGLKKCKKTCPFKK
>comp9705_c0_seq1; 187 58 609 LEN=609; translated
MSLLISATVGMISRKPLNALGATLVRFSFSSPSPVRRISLRQGPERRRLLFSSLPNRGDPS
VARNQATALVFDTEETGMVRFDRPPTDEGQPDVQLGFLVDTGSKWIFSKGSFLVRFHK
GVRIDEGAQRVHGISSGDCASYGIEHETALSIFGDLRRAADVIVGHNIRFDAIVMEAAFH
HGTP
>comp9706_c0_seq1; 277 339 973 LEN=973; translated
MLVGTYFYNLGLVTLTLLLVARVSSFGTLKNQQLRYGFSSRLGMFFADELAPPEEKLNP
TENTGSNEEVAAKENFPPLPVQLVISDSEGFLNAAGAFVDSFWLGSDDHKLKDDVEMST
DARNLIIIEQAADLQEKYGERMGRSAKACVVGALDEETKELVGLATLKETLMMNTEILE
PEKAEIAKNAVAALGPKQRREYKNARSEERR
>comp9706_c0_seq2; 473 339 1289 LEN=1402; translated
MLVGTYFYNLGLVTLTLLLVARVSSFGTLKNQQLRYGFSSRLGMFFADELAPPEEKLNP
TENTGSNEEVAAKENFPPLPVQLVISDSEGFLNAAGAFVDSFWLGSDDHKLKDDVEMST
DARNLIIIEQAADLQEKYGERMGRSAKACVVGALDEETKELVGLATLKETLMMNTEILE
PEKAEIAKNAVAALGPKQRREYKNAPIAKIAEELSPDTKAVCVLSNLAVGKKARRRGV
AQALCDELDAWDFDEIHLVSESENTAARTLYEKKLGYNLVSTNVAAAALRVDFETG
AFVQIKQDTLVMKQL
>comp9707_c0_seq1; 752 256 1617 LEN=2185; translated

MSPDKKSNKSNQVMRTPSLKFQILFIVSTVLWVGRSKAVAAFPVPTSTGTPATPRQTDNFNSA
GTVKTIISVASGLIESRGCLPCGQFYNSNEANKNRRSQRRSTELYSFMGSDGGLLIGITPE
LFTIILIGYFVLGSPDLYKLVKEIGKFIQNFQSFAAEATSTLETNMESQLQLEEIRKTQQ
ELNDAFSFRRSINVEEDSDPFAVNVQSPRGEGNSAMSTAESDAQYDLSTTATSGAAVAPK
KKKMRRIKRKKTPVVDSPVEDEMPKVPSLDAANINQQLANDIPAELDMDEELRMAEEMKAM
DAVFNGSNEGKLEEKDTSTLAAELREERMERLQRGAAQSQNDNSASSIEQSRFQQQLSG
DWNQILANNDKLEPLGEVMNLLAVLEEEKLAADLRLKEEFKARESNEERFYQEKRKLLE
EAAAEIQASAYAGNIPMASAPPTANNETGNII

>comp9708_c0_seq2; 258 86 517 LEN=776; translated
MARVTGIKTTYIICENGDTTTLQNFASNDVSEVRVGLPIGVEPVKPPQPGDEGYSGM
HDQGPLPEPKEGGPVAFILIGCVKAAKEHSDEFLLTKCIEEEKKKKTQGEQQQSSEIIRTT
TPVDSPGTVAKKSAELPNKRSKQ

>comp9709_c0_seq1; 477 1 1222 LEN=1316; minus strand; translated
XSEEEERDATPVADYLDRLIVPVSPTSASIKKSYSPFGSTREKSKSPLTSGCDSLDETPAS
SNNGLPSEGERDTTQVANSSEPPSEVSTSMITDFIFDTPPHDHDALYEEPSTDVAYAAID
DTTIVNNDTDQETSGEQKDVSNYLQALSHIASPLKSSYSPFGSWKKERFLSSNSALYQP
PESLMSLDSIQTSRVAEDLKEDTESPNTPSKDAVNGNFLESHGGSVSPFVENSCESSRESL
PESATNSLYSSLRDVDNTEVTSENRIKKAYMEWCTFYNKESDLRFDIFSAHFKAWE
KFHKENGAGLMLNEFSDLTEEEYKATTNTNADQSIFESVIDGRIVSAYRQWCDWYQKDYS
EERLQIFSSNFLILERYHGGEGDPSPLVFNEYSDLTEEEYNELNDTK

>comp9710_c0_seq1; 224 50 871 LEN=1352; translated
MGAVHGVYLYKLVGLSALSFMGYNMLDPDGRSSDGSTISATSPASVEDRATHQALVMGMIP
RLVLGYSAVINGVIAILFKSERGMRIIGKDQTKGKIPLWSYLVFFPFHLPTILYTHVHTL
TGKSHNPPVPVATEVQPGWWVGGCYGHELNMDWGGVVDLTVFEPESCRNRTKSYLSAPTW
DGVPLNPAGLEAAATFAVEARKSGHVMVHCAHGRGRSTTVMCACLVKAGLFDNWKDAFEK
GIKQPQPVCKLNKRMRENLEAWQKEYVDSKSI

>comp9711_c0_seq1; 687 1 2717 LEN=3493; translated
VNSRTVADMAHSSKSI LRRSKSESSDNNSEIPGPRESAASPPPSACRSSFEDTLASSCKF
GPSSAENECSPILIVSKLDSVSAERSRNTNDYDLNYIAMEDANSPGAQQHQLHMHTISTV
GVDYDDEDEDLQNDGRSRSYTCNHRCQHPQYCLTTLLLIASLVLFVSSLVILGISYH
YYSIVSSPKAVSNNII INSHGGGFDEEREAALKGILSSKASLNNLSNGAVASDHPVCSK
VGADILSKKGNVDAAVATVLCGLVANPASSGLGGGAFILIRSSKTHFESKQKQOPTRN
SSSTLLTPVFDARDYTITNNEPNFVTEVVDCRETAPEKASRDMYTGLPRQASFAAGLA
IPIPGELRGLLAHFRHGRLTWSEVVEPARLLARDGVLVGSLSADIKGLFTRSFPLGE
YEDNFLAIRKYLSSSNSTEYLRGELLRNPSLAKLLQEVAEQGADAXIQGKNAELLVRDI
QDSGGIVTVKDLTYRATLRTPIRATVSGYSIVGVPPPSSGGAVIIGIARFLSGYPRPFA
SASETLSVHRMAEAMKHAFSIRMSMSPAYNGNVTQDAVRDLTNGYMESLRRITSDKTT
LGLSHYGGPKWSLMRDDDGTKEVVDAHEGDRREIRHLLSDDQQRTPSTLPEIAVGTGGI
HAKRSIQNRKMSQRFYLEDNGTSHLSVVDKDGNAVAVTTSINGIFGSIVFSESTGIML
GNTMDDFGVPGAPNHFGLRPSSESNFVAPGKRPLSSMSPTMVFRRTNRSDVITASDNKWE
LAMVLGGSGGPKIITAVIQVFLNVFVLGMPFLDAIARPRVHDQLLYHESVVTTERAILK
GGTKSNYTEITIDVPQRTKDALLKRGHKLIDIDYTGCVQSI LVDPTNTLSAVSDVRKGG
SPAGY

>comp9712_c0_seq1; 766 164 3172 LEN=3513; translated
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SFIIPAKVGSVSRATQFFALLSYCIFADESLKDIVTAVETWPKAKKARDGYNIYLMRLSCT
MRFTQGLASLVVFLVVTTPDVIDIILNFTAVNFISGFGTKLKNNENSPMSHLQIYVVL
SYPTLFLDDVAFELAQWVGYGPRLEKEANRIEELKAPPCIYRKYQHVRYLWTVLPMGFV
LLVLLSAVAFSQASPDVWLTNRRLRVQFQDNTSFEGYSGCYDIDPKSINNPVTQGRVIYNS
FQANDQVATFGYCDGKWFLEYEGDFQKPCDVPDEHKLAFSSKTDADFIDIGTSFEDGWTSS
GTPLELFFDNEGLTDNQCNSFLGDGVCNDAFNSPGYDFDAGDCCAPTCTGETNCGVGT
KNVFGVDVAHGDGYQNCIDPKMKDITIRFDNVYLPKFKGEPVITFEPQNPMLILDCDGKN
LLTLIVDEAMVNNTETVRVDDGANC SLMIKNSTSGSSDIYFVEYTIYHGDEETQKMDPLV
IARGNSNANEMNYFYRLPDCFMEKLENYTDNTIYTGTPSHQAI DWLARDADGFSSCSRQ
DFVERYALAAINFAAPVPPPAETENGTAVDHNLWISERQCAWKMTVCVNGRVSELEL
GRSTLLAGTLATEIGILKDGTPTEIVKLTNLESIDLSTNGFNFTFFFTTEMPSLKFI
MYTNSFSGSLPDEIGSMSNVEVIRFDGTGLTGTIPSVYGDLELLELGLSYNELSGTIPS
ELAQLKNVQEFDLKYNQLTGSISQELLDVKPNINNFDIYANQLSGLTPIEGEVICSAEGF
GDHYCDCTGDCSFAENRCRCSEAQACCAEYFSQFEACVVCKDSGLQNPNFYKDFMTTCE

GAQWYISSSLAEFGNPENCTIAEFVFSVGCRCNGVDLALP

>comp9712_c0_seq2; 845 164 3279 LEN=3620; translated

MWKKKGKDNDSDAGDIEISGVAKNGNSLVEKEKDVAIENDEEENFNDETESERALDAGTW
PADCYSFIAIHNPVKKPIFFGFVWVWFQMAFLILLVVFYVVVNSSKSGDNDNPADGVLA
SFIPAKVGSVSRATQFFALLSYCIFADESLKDIVTAVETWPKAKKARDGYNIYLMRLSCT
MRFTQGMLASLVVFLVVTTPDVIDIILNFTAVNFI SGFGTKLKNNENSPMSHLQIYVVL
SYPTLFLDDVAFELAQWVKYGPRLKEANRIEELKAPPCIYRKYQHVRYLWTVLPMGFV
LLVLLSAVAFSQASPDVWLTNRLRVQFQDNTSFEGYSGCYDIDPKSINNPVTQGRVIYNS
FQANDQVATFGYCDGKWFLYEGDFQKPCDVPDEHKLAFSSKTDAFDIGTSFEDGWTSSS
GTPLELFFFDNEGDLTDNQCNSFLGDGVCNDAFNSPGYDFDAGDCCAPTCTGETNCGVGT
KNVFGVDVAHGDGYQNCIDPKMKDITIRFDNVYLPEKFGEPVTFEPQNPLMILDCDGKN
LLTLIVDEAMVNNTETVRVDDGANCSLMIKNSTSGSSDIYFVEYTIYHGDEETQKMDPLV
IARGNSNANEMNYFYRLPDCFMKLENYTDNTIYTGTGTPSHQAIDWLARDADGFSSCSRQ
DFVERYALAAINFAPVPPPAETENGTAVDHNLWVISEERQCAWKMTVCVNGRVSELEL
GRSTLLAGTLATEIGILKDLTKLDMSENMIIGTIPPEIGQMKNLKSIDLKNNQLTGTIPT
EIVKLTNLESIDLSTNGFNFTFFFTTEMPSLKFI RMYTNSFSGSLPDEIGSMSNVEVIR
FDGTGLTGTIPSVYGDLELLELGLSYNELSGTIPSELAQLKNVQEFDLKYNQLTGSISQ
ELLDVKNINNFDIYANQLSGLTPIEGEVICSAEGFGDHYCDCTGDCSFAENRCRCSEAQ
ACCAEYFSQFEACVCKDSGLQNPNFYKDFMTTCEGAQWYISSSLAEFGNPENCTIAEF
VFSVGCRCNGVDLALP

>comp9712_c0_seq3; 927 164 3190 LEN=3531; translated

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SFIPAKVGSVSRATQFFALLSYCIFADESLKDIVTAVETWPKAKKARDGYNIYLMRLSCT
MRFTQGMLASLVVFLVVTTPDVIDIILNFTAVNFI SGFDDVAFELAQWVKYGPRLKEA
NRIEELKAPPCIYRKYQHVRYLWTVLPMGFVLLVLLSAVAFSQASPDVWLTNRLRVQFQD
NTSFEGYSGCYDIDPKSINNPVTQGRVIYNSFQANDQVATFGYCDGKWFLYEGDFQKPC
DVPDEHKLAFSSKTDAFDIGTSFEDGWTSSSGTPLELFFFDNEGDLTDNQCNSFLGDGVC
NDAFNSPGYDFDAGDCCAPTCTGETNCGVGTGTLKNVFGVDVAHGDGYQNCIDPKMKDITIRF
DNVYLPEKFGEPVTFEPQNPLMILDCDGKNLLTLIVDEAMVNNTETVRVDDGANCSLMI
KNSTSGSSDIYFVEYTIYHGDEETQKMDPLVIARGNSNANEMNYFYRLPDCFMKLENYT
DNTIYTGTGTPSHQAIDWLARDADGFSSCSRQDFVERYALAAINFAPVPPPAETENGT
VDHNLWVISEERQCAWKMTVCVNGRVSELELGRSTLLAGTLATEIGILKDLTKLDMSENMI
IGTIPPEIGQMKNLKSIDLKNNQLTGTIPTIIVKLTNLESIDLSTNGFNFTFFFTTEM
PSLKFIRMYTNSFSGSLPDEIGSMSNVEVIRFDGTGLTGTIPSVYGDLELLELGLSYNE
LSGTIPSELAQLKNVQEFDLKYNQLTGSISQELLDVKNINNFDIYANQLSGLTPIEGEV
ICSAEGFGDHYCDCTGDCSFAENRCRCSEAQACCAEYFSQFEACVCKDSGLQNPNFYK
DFMTTCEGAQWYISSSLAEFGNPENCTIAEFVFSVGCRCNGVDLALP

>comp9712_c0_seq4; 371 164 1312 LEN=1331; translated

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SFIPAKVGSVSRATQFFALLSYCIFADESLKDIVTAVETWPKAKKARDGYNIYLMRLSCT
MRFTQGMLASLVVFLVVTTPDVIDIILNFTAVNFI SGFDDVAFELAQWVKYGPRLKEA
NRIEELKAPPCIYRKYQHVRYLWTVLPMGFVLLVLLSAVAFSQASPDVWLTNRLRVQFQD
NTSFEGYSGCYDIDPKSINNPVTQGRVIYNSFQANDQVATFGYCDGKWFLYEGDFQKPC
DVPDEHKLAFSSKTDAGTFL

>comp9712_c0_seq5; 848 164 3083 LEN=3424; translated

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SFIPAKVGSVSRATQFFALLSYCIFADESLKDIVTAVETWPKAKKARDGYNIYLMRLSCT
MRFTQGMLASLVVFLVVTTPDVIDIILNFTAVNFI SGFDDVAFELAQWVKYGPRLKEA
NRIEELKAPPCIYRKYQHVRYLWTVLPMGFVLLVLLSAVAFSQASPDVWLTNRLRVQFQD
NTSFEGYSGCYDIDPKSINNPVTQGRVIYNSFQANDQVATFGYCDGKWFLYEGDFQKPC
DVPDEHKLAFSSKTDAFDIGTSFEDGWTSSSGTPLELFFFDNEGDLTDNQCNSFLGDGVC
NDAFNSPGYDFDAGDCCAPTCTGETNCGVGTGTLKNVFGVDVAHGDGYQNCIDPKMKDITIRF
DNVYLPEKFGEPVTFEPQNPLMILDCDGKNLLTLIVDEAMVNNTETVRVDDGANCSLMI
KNSTSGSSDIYFVEYTIYHGDEETQKMDPLVIARGNSNANEMNYFYRLPDCFMKLENYT
DNTIYTGTGTPSHQAIDWLARDADGFSSCSRQDFVERYALAAINFAPVPPPAETENGT
VDHNLWVISEERQCAWKMTVCVNGRVSELELGRSTLLAGTLATEIGILKDGTIPTIIVKLT
NLESIDLSTNGFNFTFFFTTEMPSLKFI RMYTNSFSGSLPDEIGSMSNVEVIRFDGTG

LTGTIPSVYGDLELLELGLSYNELSGTIPSELAQLKNVQEFDLKYNQLTGSISQELLDV
KPNINNFDIYANQLSGLTPIEGEVICSAEGFGDHYCDCTGDCSFAENRCRCSEAQACCAE
YFSQFEACVVCKDSSLQNPNFYKDFMTTCEGAQWYISSSLAEFGNPENCTIAEFVFSV
GCRNGVDLALP

>comp9712_c0_seq6; 286 164 829 LEN=1420; translated
MWKKKGKDNDSADAGDIEISGVAKNGNSLVEKEKDVAIENDEEENFNDETESERALDAGTW
PADCYSFIAIHNPVKKPIFFGFVWSFQMAFLILLVYVVVNSSKSGDNDNPADGVLA
SFIPAKVGSVSRATQFFALLSYCIFADESLKDIVTAVETWPKAKKARDGYNIYLMRLSCT
MRFTQGMLASLVVFLVVTTPDVIDIILNFTAVNFISGFGT

>comp9713_c0_seq1; 577 124 1779 LEN=2145; translated
MENRFNRDYSFTYSYDPPNRRRPEQDDMAAVRFLQGTESLIRNTQNNRYDSGEQSRF
YRDGEREDRSSKSSFIGIFPFLIKISAYGLFAIILILISLGEFGVFYKLVMPKLHSSNVL
YFDYTGTGAANHVSARNLYSVPNDFATTTKTDGTAGHFGVDDEGKDDDICSENLDTTSTT
DTMSCSPKKPLDELNRKEDYQTSRRSMMTAPVAAVDLFSNHNSWGHYHPDVVPLPKQEKH
ILAKGAPHYIEVLLDLPESELNLEKIGMFSVLVELHASSISLPNLNETDNYNGTTTTSRDT
STSTLLASSIRTRIPHESHWISVVRKFVCIIPYVLGAIPESSRVVIPSIRFFVESEAFP
LRYVTVRLVMSPENQRRGEAVEVGQILQIGEEMRGLQLVLKEWFFTCLVAGTIFLVVFQ
SVFLLVLQSLWELRRHRLQEREQEGIILEDVSDDLGLNGFDDEAGGNENGDGQDESSVE
GFHDTRSEHQHQHNTSYDIDDEPGQWEDLPEPDLGSRSTTSNQVDDRNGTQPTADRP
GAPTEEFQHVIPED

>comp9714_c0_seq1; 512 173 2304 LEN=2389; translated
MCKNSPSVGGKIDNSLGMKRTDMIDRSAAAESYPVKAMEPPESMVAICCGCRPSTKRRNQ
SYKTTLKNVGWRRIFRLKRRKFRDVPGRDVEWQAFHHYHGSESGKSIKSDYGDDEDDDS
MFFFDVDFPLGDDDFPIDGYVVGKKGARVVFSTIAHPAPKVSLEDPTSMLRNSEKNG
SSCGGIGEDDNDYELVPVQNDNRIENYKEPSLRFKIRARSSEALAAELQNFPKPSPTS
VEDAIGMAGYPGTLTIDELEECQKFLKGLNKLPPAVAEQVYSFRDVEDQPYTICRWLRAT
KFDADAILARLSENQPLFEQAKEKNFYGNLDDYLGCPVLSVFLSQYPFMSIGRGRNGSPV
NYFLAGKINPEGIMALCTVDQLASYFWYSFMYKMKEEVRRQRMDFCRCEGINIVDLS
GLSTASLTSETMEVIKIASKVSDFPETLHMLVNLNAPSFFTFWKLKFNIDPRTASRI
QLFSSQKQGDALLENLIDKEKEISKDYGGNVSLREAFLECSDPQIVRQEIELIHCKRK
STKAIPKAWTLGENECIEITITRVSSEADIHISFNNGSAVKTVKSRCKFEGDGRDRKPLP
NKTVAVYAKFKEFVGPGEVLVEAHDLDSTISKQHSQSRGYFLVVGDIKPISSVASTGTN
STKQKRKVSFVEDTESSPSRKNYNAAVTMAXSGAKQDTSPRFDLTKDTEA

>comp9714_c0_seq2; 177 52 830 LEN=915; translated
MLVLNAPSFFTFWKLKFNIDPRTASRIQLFSSQKQGDALLENLIDKEKEISKDYGGN
VSLREAFLECSDPQIVRQEIELIHCKRKSTKAIPKAWTLGENECIEITITRVSSEADI
HISFNNGSAVKTVKSRCKFEGDGRDRKPLPNTVAVYAKFKEFVGPGEVLVEAHDLDSTIS
KQHSQSRGYFLVVGDIKPISSVASTGTNSTKQKRKVSFVEDTESSPSRKNYNAAVTMAX
SGAKQDTSPRFDLTKDTEA

>comp9716_c0_seq1; 399 1 1507 LEN=1672; translated
XANPASPKAVLYLFESSVYVRTGMIVKCRQOIIIVVATIFGALFGCLDFIAVSSLSANAP
RKIRGDGKSVPGAPPPSSIIITRDWLI SGSASFASALSFQNTIPPASAESTIGGESVSQQP
RPALAKEYYSNPFVSSPEAGRSYFPALTPPFNDRATYLYDLGRDAWALEQLLTFANVTAT
IRCNVRLKKTGGLVWVHSPQWPTGEFCSLLDSIGGPVEHVVLPCNAFEHKAPMKAFLEKY
PNAKVWIAPGQYGLSGCGTSLLEKPRMGYHVDGIFGDERSPPPPWSDEFDIATLYVNL
KNAGPVSEVAFCHRPSKTLITTDVAVYVSEPSSILSTYFDEDTVIKGDPEFWPKSVLQA
VFLPLRKGPNNKYPGYEAVVDRLARAPILRAVVDARAPGAVRDWILEQTQTTTSTVANGN
ERYKKWDYDRVITSHFASPIQATPLDVRASFEYLFTDDLNSNLPPACRDWELLDSINQ
FIAKYNAGEPAVDFQRCVAD

>comp9717_c0_seq1; 436 194 1420 LEN=1506; translated
MSMSVPAQIFETGTTVNTKTEDKSRKRRQRGRDLSSSEVVSKDVKMTSODFLHVRRIHIAV
SLNEESKSKLPASATLSSLVFQEQRPSAALFSSFKPVLGVPKSNNDNDRNGIPMLKLR
PRQPKKGGPFSSQFYSEEDHSLSSAFKIPSSNIFLPPFLSHEISRSQLLNFKKEEARKR
KQFDPCPLPSETQNLAPPVPLCKTLHTNDSLQVKSRESKRVRSSSISCSPPLLVPSIDF
AISSATRIGEITPAPSINGTSFTTPSPTLTNSPIENLSSGKWSRINRNTKRLALTVAKPK
AMRPVSGISSFLHDPTPVITSDTTTSLFQSFQKDNFEATEMPVLNVTSNIAFDKNQPPSA
LTSSTKYSAFSLGGLSPASVSSSSSSPFSSPIRISTMKIVDNNTF

>comp9718_c0_seq1; 448 90 1460 LEN=1724; translated
MFRLGAFATSLPSAAAAARRTMLRYRPAGIESAAARASASAPAALSTRARESSPTRSIPS
RRSFSSVPETLAKSSLYTWGTEHGCLLQEESDKIDSKNILWEPQPAAFHNDIGRISDYW

CGHNEIILTTEEGSVVWVAGENKNGQLGLGHKNPVSALTQIKVDGVERFAKGRIGASTGAL
IAENGDLTYTFGGGSAMRGVGLGHGNEESYPTPKLVESLVYDGCRVQDVTLGESHTTVL
TTEGEVLTGTGASNYGRLNGGETSEDNLYFDAVEILPNETVSIAGGESFTLALTKEGIIY
AWGKNAKGQLGTGFGMAIDMYAMEDVPAPIEGDELANRVVAKIAAGANHSACVTSSGELF
WWGVNLHLEPVRVNEVLHTKIVDVACGLDYTLALSEDGELYSWGFGKTGVLVGVPDVKTL
HQARRIRALAAEGGESERKVVSMAGSNAACMVSE

>comp9720_c0_seq1; 286 381 1316 LEN=1848; translated
MNKNKGNMNTGNMFMNGVWPWGTSMPLGNSNMLYPAAATMTALNAARANAVNRSNSVRMV
SNPNSSRKNKLDLFLFNSSNRQPSGQSHVIPTVDDILKYRVDQMPMFGNTNNAGLQSNAGA
ANFANSSVPMQSSVGINSYQSKFPPSWMTSVGASSAAAGMSANHANNGPSSDTNHGFGVG
GNPGAPALPTNTMGSFAPSIGILQSLDMKSFDFGYMEQAGVPPTGMAMGTAAAFNMQNANSA
KTLDMKSLVGSISITTVSASTMGTIMSSMSKNSSSGSGTGTGAFAPPMQSRNKTDWNA
MYAKALSNPKP

>comp9720_c0_seq2; 286 381 1316 LEN=1918; translated
MNKNKGNMNTGNMFMNGVWPWGTSMPLGNSNMLYPAAATMTALNAARANAVNRSNSVRMV
SNPNSSRKNKLDLFLFNSSNRQPSGQSHVIPTVDDILKYRVDQMPMFGNTNNAGLQSNAGA
ANFANSSVPMQSSVGINSYQSKFPPSWMTSVGASSAAAGMSANHANNGPSSDTNHGFGVG
GNPGAPALPTNTMGSFAPSIGILQSLDMKSFDFGYMEQAGVPPTGMAMGTAAAFNMQNANSA
KTLDMKSLVGSISITTVSASTMGTIMSSMSKNSSSGSGTGTGAFAPPMQSRNKTDWNA
MYAKALSNPKP

>comp9720_c0_seq3; 513 95 1891 LEN=2423; translated
MTKFDYAQSNLLKREIGGATSSTGSSPQAPPPPPMKRTSRRQPHLPGRDERPAEGLYP
SRSMIPHNNYHMSSAAVASADTTAAGAI SAALHAGNQSSAAEKKKLPVTTKKI IHTKH
KITTRMGFTDAESIANENSEKNQKKGRSRKPRRIIPNEKEYIPEDEQPTARDIVGGRGG
RSNHHPGNRPYWRILESRAEYTNCRSDLDKSRIANGILMYVKQTLRGRFLNIDSKSRW
FILPDTVVLDKVKQALRDKYVPYWARDLKI EDKVHSNISPMMATVNAMNKNKGNMNTGN
MFMNGVWPWGTSMPLGNSNMLYPAAATMTALNAARANAVNRSNSVRMVSNPNSSRKNKLDL
FLFNSSNRQPSGQSHVIPTVDDILKYRVDQMPMFGNTNNAGLQSNAGANFANSSVPMQSS
VGINSYQSKFPPSWMTSVGASSAAAGMSANHANNGPSSDTNHGFGVGGNPGAPALPTNTM
GSFAPSIGILQSLDMKSFDFGYMEQAGVPPTGMAMGTAAAFNMQNANSAKTLDMKSLVGS
ISITTVSASTMGTIMSSMSKNSSSGSGTGTGAFAPPMQSRNKTDWNAMYAKALSNPKP

>comp9720_c0_seq4; 513 95 1891 LEN=2493; translated
MTKFDYAQSNLLKREIGGATSSTGSSPQAPPPPPMKRTSRRQPHLPGRDERPAEGLYP
SRSMIPHNNYHMSSAAVASADTTAAGAI SAALHAGNQSSAAEKKKLPVTTKKI IHTKH
KITTRMGFTDAESIANENSEKNQKKGRSRKPRRIIPNEKEYIPEDEQPTARDIVGGRGG
RSNHHPGNRPYWRILESRAEYTNCRSDLDKSRIANGILMYVKQTLRGRFLNIDSKSRW
FILPDTVVLDKVKQALRDKYVPYWARDLKI EDKVHSNISPMMATVNAMNKNKGNMNTGN
MFMNGVWPWGTSMPLGNSNMLYPAAATMTALNAARANAVNRSNSVRMVSNPNSSRKNKLDL
FLFNSSNRQPSGQSHVIPTVDDILKYRVDQMPMFGNTNNAGLQSNAGANFANSSVPMQSS
VGINSYQSKFPPSWMTSVGASSAAAGMSANHANNGPSSDTNHGFGVGGNPGAPALPTNTM
GSFAPSIGILQSLDMKSFDFGYMEQAGVPPTGMAMGTAAAFNMQNANSAKTLDMKSLVGS
ISITTVSASTMGTIMSSMSKNSSSGSGTGTGAFAPPMQSRNKTDWNAMYAKALSNPKP

>comp9720_c0_seq5; 509 95 2059 LEN=2591; translated
MTKFDYAQSNLLKREIGGATSSTGSSPQAPPPPPMKRTSRRQPHLPGRDERPAEGLYP
SRSMIPHNNYHMSSAAVASADTTAAGAI SAALHAGNQSSAAEKKKLPVTTKKI IHTKH
KITTRMGFTDAESIANENSEKNQKKGRSRKPRRIIPNEKEYIPEDEQPTARDIVGGRGG
DEIPLSLFVFSPLLFIFPLGFYCRNRFFVVTAYDCFFLSLLKKCACLDXLINNQGRSNH
HPGNRPYWRILESRAEYTNCRSDLDKSRIANGILMYVKQTLRGRFLNIDSKSRWFILP
DTVVLDDKVKQALRDKYVPYWARDLKI EDKVHSNISPMMATVNAMNKNKGNMNTGNMFMN
MFMNGVWPWGTSMPLGNSNMLYPAAATMTALNAARANAVNRSNSVRMVSNPNSSRKNKLDL
FLFNSSNRQPSGQSHVIPTVDDILKYRVDQMPMFGNTNNAGLQSNAGANFANSSVPMQSSV
GINSYQSKFPPSWMTSVGASSAAAGMSANHANNGPSSDTNHGFGVGGNPGAPALPTNTM
GSFAPSIGILQSLDMKSFDFGYMEQAGVPPTGMAMGTAAAFNMQNANSAKTLDMKSLVGS
ISITTVSASTMGTIMSSMSKNSSSGSGTGTGAFAPPMQSRNKTDWNAMYAKALSNPKP

>comp9720_c0_seq6; 509 95 2059 LEN=2661; translated
MTKFDYAQSNLLKREIGGATSSTGSSPQAPPPPPMKRTSRRQPHLPGRDERPAEGLYP
SRSMIPHNNYHMSSAAVASADTTAAGAI SAALHAGNQSSAAEKKKLPVTTKKI IHTKH
KITTRMGFTDAESIANENSEKNQKKGRSRKPRRIIPNEKEYIPEDEQPTARDIVGGRGG
DEIPLSLFVFSPLLFIFPLGFYCRNRFFVVTAYDCFFLSLLKKCACLDXLINNQGRSNH
HPGNRPYWRILESRAEYTNCRSDLDKSRIANGILMYVKQTLRGRFLNIDSKSRWFILP

DTVVLDKVKQALRDKYVPYWARDLKI EDKVHSNISPMMATV NAMNKNKGNMNTGNMFMN
GVPWGTSMPLGNSNMLYP AATMTALNAARANAVNRSNSVRMVSNPNSRRKNKLDLFLNS
SNRQPSGQSHVIPTVDDILKYRVDQMPMFNGTNNAGLQSNAGAANFANSSVPMQSSVGIN
SYQSKFPPSWMTSVGASSAAAGMSANHANNGPSSDTNHGFGVGGNPGAPALPTNTMGSFA
PSIGILQSLDMKSF DG YMEQAGVPPTGMAMGTAAFNMQNANS AKTLDMLKSLV GSSISTT
VSASTMGTIMSSMSKNSSSGSGTGTGAF AEP MQR SNKTDWNAMYAKALSNPKP
>comp9721_c0_seq1; 183 194 724 LEN=1160; translated
MVSFFVNLAVVAIAAERVYGTDNADSVGLTDFCNYFLSLKGGCLMWGIALLAAGQSSAIT
TTYTGQYIMDGFLKIRLPVKVRAVVTRLVAITPCVIVSVFFPRHLNQMINVVNAALGFLL
PFALLPLIKYNCSELVMGPNNAASKGVEKKMLYGFVGVVWLINAVTLRLVSTTVINCW
>comp9721_c0_seq2; 310 194 925 LEN=1014; translated
MVSFFVNLAVVAIAAERVYGTDNADSVGLTDFCNYFLSLKGGCLMWGIALLAAGQSSAIT
TTYTGQYIMDGFLKIRLPVKVRAVVTRLVAITPCVIVSVFFPRHLNQMINVVNAALGFLL
PFALLPLIKYNCSELVMGPNNAASKGVEKKMLYGFVGVVWLINAVTLSIPGGGFFGDGVR
MNSWFAKFGWILFELVIQIFYAWWNYSCLFHPLMEHDP SLQADSLPNDEDAAMISLSE
DNELT
>comp9721_c0_seq4; 376 1 1752 LEN=1841; translated
XLPNASL MYLCGVRERLPDNIPW WLFDKIEMGFTDNGRDDDNESSIVHDDAQNPLNGENG
FCGDDDDTDIHR TQASSEMSSLSISPSSEEQALPWEPSGVWWRDMLYFVGPGLVLSIAY
IDPGNYQADIQAGATTQYLLFSIWWTSILSIYVQVLCVRLGYYSQKTLAEVQAREFRQQ
QSTWRRYFAWFIAEFSVILTDLPEVIGIGIACNLFFGWPYWIGVIMSLMTTMSFLATMKY
GMHILEGIMFFFV GIMSIALFVEMTFVGPDPGTEIVKGIYGFVEVTADDMFAIAGILGAV
VMPHNLYLHTASVQSRKVVRDDVIKAVWYCSVEPILPIMVSFFVNLAVVAIAAERVY
GTDNADSVGLTDFCNYFLSLKGGCLMWGIALLAAGQSSAITTTYTGQYIMDGFLKIRLP
VKVRAVVTRLVAITPCVIVSVFFPRHLNQMINVVNAALGFLLPFALLPLIKYNCSEL
VMGPNNAASKGVEKKMLYGFVGVVWLINAVTLSIPGGGFFGDGVRAMNSWFAKFGW
ILFELVIQIFYAWWNYSCLFHPLMEHDP SLQADSLPNDEDAAMISLSEDNELT
>comp9721_c0_seq5; 249 1 1551 LEN=1987; translated
XLPNASL MYLCGVRERLPDNIPW WLFDKIEMGFTDNGRDDDNESSIVHDDAQNPLNGENG
FCGDDDDTDIHR TQASSEMSSLSISPSSEEQALPWEPSGVWWRDMLYFVGPGLVLSIAY
IDPGNYQADIQAGATTQYLLFSIWWTSILSIYVQVLCVRLGYYSQKTLAEVQAREFRQQ
QSTWRRYFAWFIAEFSVILTDLPEVIGIGIACNLFFGWPYWIGVIMSLMTTMSFLATMKY
GMHILEGIMFFFV GIMSIALFVEMTFVGPDPGTEIVKGIYGFVEVTADDMFAIAGILGAV
VMPHNLYLHTASVQSRKVVRDDVIKAVWYCSVEPILPIMVSFFVNLAVVAIAAERVY
GTDNADSVGLTDFCNYFLSLKGGCLMWGIALLAAGQSSAITTTYTGQYIMDGFLKIRLP
VKVRAVVTRLVAITPCVIVSVFFPRHLNQMINVVNAALGFLLPFALLPLIKYNCSEL
VMGPNNAASKGVEKKMLYGFVGVVWLINAVTLRLVSTTVINCW
>comp9722_c0_seq1; 123 1 654 LEN=654; translated
XSSSY PSEVPSEVQKAF LMASPQLISYAFPKTTT DKFLHGLVVKGSIDYGI STFSSNKDL
TYSFIDDYEGENGVKLWDNREYRSLDLSGNM MYNGGIFLQPNKATEIPPGT AISLEIEAS
GEEPVVCAWVSDFLPGFGNGWNGWPNTLPPEGFVVS GDFVWIGSGGRAEVGRWYCKEL
WSDPSLPSDLPSITPSMIPSTIPSTVPSDVTSELPSEIX
>comp9723_c0_seq1; 219 662 994 LEN=1600; translated
MDHYNDYNWIELPTEVQEAAATTLGYNQNTWDDWDDPELFEGEWSELTHKEKSAAQVLGYS
EEIWCMEYEGIYSSGTSSPSQDNSSGGSDEASSDASTDATENSSAQKYDA
>comp9723_c0_seq2; 237 82 600 LEN=1206; translated
MGSDNRMLQTCRARSKSFLTPTRIGLIAALAVVVFV FASLMGTKNR DSELRGGQAAMERA
QNMDHYNDYNWIELPTEVQEAAATTLGYNQNTWDDWDDPELFEGEWSELTHKEKSAAQVLG
YSEEIWCMEYEGIYSSGTSSPSQDNSSGGSDEASSDASTDATENSSAQKYDA
>comp9725_c0_seq1; 780 911 3823 LEN=4424; minus strand; translated
MTSGTTRVSAALLHTT SNLLHQ NYGEASQQRDRGGSKVQ NANTTSLSPFFVNTYNPWSS
EQKGISDANPPQDANHHHSIDDDNDLSL SVPWGEINIVVTDVH SWIAGNHRDDPRNWP
LDEHRNRVQDADYGDILSFYQRLGDLVKDHNSN NYGKQRDLFFVMNGDFVDGTGLSENPP
RHLMP LLLKHMPWDAINVGNHEL YSDKTVQFLVQRDGYDSKMGGNRSTIYPVATPP IWNGR
YLSNTLLTETMEPMTGKRYTYLVGPNTNITLLAFGF LYDFHENG PATTTL SVEKVIQOD
WFADVLSGGRNSSTGNDYGHEAWKPFDAVLVLAHMDCLDPLVATILEGIRALLPPDKNI
PVQFVTGHTRRCHARLDDHSE SFEAGRFLDTIGFVSFDANTRTTQATNGSNNNRQSDSN
FRHRFLDANKQSL LQTLMRSSHLSHGGNQRGLS FSEGFGTPEGRALTRAIRD TQKDLGLD
VVLGCSPRTYGIFDYETEPITRAPSSSDANPPRNDWFSESSLWGLYVANVLP RQLLRPML
ALSQRARDDSSGEEAAEAHPLFLAGTGS LRYTLFEGPVTVNDVIAISP FNNSIVEIVAKR

KGTTDSPGELLWPYGRELSLLLRTNRLYATS AEYGM PAFVASILPQQDFVRENEGFSLP
AASAI DPDIYRLYTDDYDSWRLISVLAILKFGEGTEDGSVDNNTSFSNDAVDKMLASEP
LPPITLGRSYETQKACLALGKNDGENENHHNIDRCYYTAELWKEFVRDAMP CDAVATSSS
GHNIRD PPLVSSNGGGSSSE DGHRIDLLRAQLLQPSFGYSLHAQRPRQEAAPHTGDP
PPQEASVVDLAGDEKAAAALVGMASIAAIAL LFFFPPRGDNEPPTRGGAPPRARFRQ
GRCNEGRDHSRRRGNHRTPTAHATTNGNSDSDSDSNRNSVPDEEVQLIPLRRMDTGNL
SEHSTQS SNYSSY GSI

>comp9726_c0_seq1; 158 1 562 LEN=764; translated
XSPLLI PF SVCQLNPRNIAIMRDGSPKLNDFNIAEFLTYDPDTN QPCGFRSRLHEP
PWWRAPEEMNTNHTSFVDEKVDIYALGEVLFHIL TTHGPRGKMKKYRMEEVREV
VRKGI RPD MWE PFASGGRDGKLAQNGVVRAFFRAMDLCFEPDPAKRGTAIQVAR
VLHRLALAREKEAKRKQQAQGEERR

>comp9726_c0_seq2; 505 1 1677 LEN=1879; translated
RRQLYRGIVVLVAVSCCITVYSTLAVVGNEARGTTSSDEHPMSPDLYLATGRRVSDR
PRTMVWRPELKRGD SYGSPMVRVPSTLPLHLPPQFVADTADEEAREVFFELPGISN
ATTEDNHIDGSDSAKDMTAA RNSTSEEGPQSSATTRDGK KCLPMADWMEASFPNCNS
VHEIDMRTSVSTANGEDETEADLKF LQGWF RATWKYRNYDYDYEEEE SDEEPEGN
DESLWKPPPPPSAVVLKTLRIEREF LDEYFDLHRRDAVAMERLTFSPYVVNVHGYC
GQSAINELAE GILGGKI TNLEQLDRRLRGKEEDPQALFLKLQLATGVALGLAHVHN
VHVSDASGGRSGSVQTLLYEH TDPDSAHS TTGFGRSVPTMAHYDLNPRNIAIMR
DGSPKLNDFNIAEFLTYDPDTN QPCGFRSRLHEPWWRAPEEMNTNHTSFVDEKVDI
YALGEVLFHIL TTHGPRGKMKKYRMEEVREVVRKGI RPD MWE PFASGGRDGKLA
QNGVVRAFFRAMDLCFEPDPAKRGTAIQVARVLHRLALAREKEAKRKQQAQGEERR

>comp9727_c0_seq1; 322 262 1587 LEN=2317; translated
MVLTDQR EDLHAGIYEYLVNRGEAF EAAAKAFVEADPKASQKKTNNV GKTPLLEK
KWTAIPRLQKKVLELERVVAQSAK IHAHRTGGGDDAKANGGVSRRMLPRLPCSHTLQ
GHSAAVTCLKVHPVFTVVVSGSE DGSVKVDHESGEYMRSLKGHTNTVNSLAFTPTG
NYLASCSSDL SIKLWDFSTYNCVRTLRGHDHTISSIVFLPQQNI IPSASEDSSTGMD
VAAANAKHLLSASRDHTVKLWDMETGFC DHTFTDHTDWRVTLAVRSHDGA IWASAG
NDPFINVYDANVNTRQK LCELRGHDH VIESLSFVTEESFGKDRAGSNAKHKDTVRD
YLASGSRDRTVRLWLSLASASC LAVFSAHENWVKAVVIHPSGNYIISGGDDRTIRV
FDIKAERCLRTLENAHGHFVSSLDMH HTLPIMVSGGIDQLLKTWVLD

>comp9728_c0_seq1; 485 240 1248 LEN=1248; minus strand; translated
MVT P GFSTSHANANDSNKRMRLSAQTEGG SVGMLSGGTD SGGHRRIQHMGRRLVNR
VTF S ASDSQVMQNN SIQHPAKMTMAQWQSMRSTGTMHSSAAETVDPLAASVYDT
VRAGATYCGM CIEPRHF PKAGSLRNPFRSNIFSEQQRQQRQQQKVS DSGRFSGMDG
HEEHQLWQHDASSASQGTWRPSYQQMQLRQPEV GQDKQQQPQMAV PFFPYKPE
THACSGILEIQDQQQGED TLEEIP TVGLANVCADDEM VYDDRAIIPSPPKDLKAH
VSDVFTSFFSGDSAPSNNDRNTT TYSSHAENGGDFAAPPLKGLSAQISDLFTSFFG
KDQX

>comp9729_c0_seq1; 533 84 2102 LEN=2191; translated
MANEKFSTRRKLHWSGSSSTEWSASPLPPGSNSG PLVVHEWDVIEVLESQDAFDG
GCSSSYRDNRHESKKEPSAWRCRRRKRWKRIIVIFVTFLFLWIVAYFCAKKFTL
GKYENTRSIE KEDSSLDL DL LAGKAQQDQGK IAVSCGNMPSEKSENTSSKEKQNS
DL DL YLTGKVEQDH GKTAVSSGNMPSVSTKEDLSTMNTAGAA SYVRDQVPSATN
MTTKAPNVIIEPKEIVVLYP NEFISAGQFRYSANGRFKVGLAKEHGDLV LIEV
NSSGEHVIWSSGTSSGLNRNSTGETKC FMQADGNLVL RDINTMMSLWMTKTQGN
LEARLVLDDSGRIAVRSDDNYSTILWMDGIPRH EFTRPSSGNMTFPIRGAFYYP
ECDTFATLHGRLHKL SNVFNTHFMSCPFLLHLAGIRQLG XINGHPAHYDTSLG
MYSSSDPTVANAHVAAMDFGRIQLS IASWWGPNTNLDRARLTL LMD ESIAQGS
PLKWTVYHEDERDETPSPEEIHNDLGYLEKWF AWHKAWAHIDGKPVIFVYNEA
GCDVVS RWMQASEGKWFVVLKLF SRFENC PDQPD SWHQYGVGEKDGT VHNPGH
SFVISP GFWRADTDVPI LKRVNRTQFCRQAQTMVQSKEPWQLIVSFNEAGEGTL
IEPSPDWESDSGY GDYLDCLHDSYV

>comp9729_c0_seq2; 590 84 2003 LEN=2092; translated
MANEKFSTRRKLHWSGSSSTEWSASPLPPGSNSG PLVVHEWDVIEVLESQDAFDG
GCSSSYRDNRHESKKEPSAWRCRRRKRWKRIIVIFVTFLFLWIVAYFCAKKFTL
GKYENTRSIE KEDSSLDL DL LAGKAQQDQGK IAVSCGNMPSEKSENTSSKEKQNS
DL DL YLTGKVEQDH GKTAVSSGNMPSVSTKEDLSTMNTAGAA SYVRDQVPSATN
MTTKAPNVIIEPKEIVVLYP NEFISAGQFRYSANGRFKVGLAKEHGDLV LIEV
NSSGEHVIWSSGTSSGLNRNSTGETKC FMQADGNLVL RDINTMMSLWMTKTQGN
LEARLVLDDSGRIAVRSDDNYSTILWMDGIPRH EFTRPSSGNMTFPIRGAFYYP
PWYPSTWHINGHPAHYDTSLGMYSSSDPTVANAHVAAMDF

GRIQLSIASWWGPNTNLDRARLTLMLDESIAQGSPLKWTVYHEDERDETPSP E I HNDLG
YLEKWF AWHKAWAHIDGKPVIFVYNEAGCDVVSRRWQASEGKWFVVLKLF SRFENC PDQP
DSWHQYGVGEKDGTVHNPHGSFVISP GFWRADTDVPI LKRVNRTQFCRQAQTMVQSKEPW
QLIVSFNEAGEGTLIEPSPDWESDSGYGDYLDCLHDSYV

>comp9730_c0_seq1; 1063 172 2046 LEN=2215; translated
MGGNKFQDIFKNLEKKAQQLMDSSEADDEILKEIRKNNPQTIADGEDYE CTFQSSVNPT
RWEKAVVALHGMVKQVSKVDPDGM DIVCFGGSEDKRGKISLYRKVKNIKDIEAMVTSKLP
SGPCHMGRAMDFVLKEAFDRGFERPCGILVLTAGIPDDSERLEKTLQVAAEKIAAKGYKE
SPLSVTFVHVGDDEKAEDYMQHLDKNMKSHKKSRKTRKVV DIVDCIKDSEIKAAMAEIKG
TKSSGTTGAI V GAFAGAAMVGGM MYMKNQAKKRTEGWNGHW RATYGGCEIATLKVKDD
LKGNLKIEGFSGGKTVGKYAERQYGYNITFRDADEGWKITGDI EDEHNIFWSDGTKWEEI
PHKGAKFGHYAGAAAAGAAATGGAVGYLLDKKFFKKAHKKDQADYVILVDRSKQMAVKDRS
ALTLSGTDDEYDFVEEYKPDVAETEEDDSGGDGDGGLI STATKKFEG LSTEQKVAVGVAG
AAAVAGVAAAGVVAHAVKAKH SKNDGDDGAPVVQARAVGASG SV PGRAPAGV NQGLTGR
WRATFEGDELASLVVKDDLDGILTISGFFAGKTIGRYTRNSVQRIVKIH FIDADENWAVH
GEVKG GDSSEVIIWKDGRWDKIF

>comp9731_c0_seq1; 401 1 2464 LEN=2570; translated
TMVSLPKATRRPLQKRALLSNPYMKNSASNDSGILSKLPPTLPSRTIRPPTQNP IRDSYG
TTNSNHTIVSTL PNKTSLSSTISSTAMNDPCSMQKTQPNNPVYKTTARNDTI GLTRRNSYG
KDARNSVSSKETGGNSLIHGKMLRQPQKVP SVVDGIAPVVRGESAMNTTVALPSRMASIR
PASWQKTTT SANASSRSQPIPTVSTKSVSNHSYGNSSSQNDTTNQPQHRHQKIEDTADWL
PPELAYS PDEVKPIQDQYRMPLIKNANLSAPLRNGWTLFPHQKKA IIRGLTMRRMILALD
MGLGKTLIGAVWSKAFKDTFGHNKLVVYICPVTLKEEWKRTAE EKVGLGVEEDQPGRGS
KSNARKTKKPAKRKKSHQDGCQIEDVDKMHGSDLKMSICSWAKVPKAI EPCVEHFV VCC
DEAHAMQSTQSQRTKDVLNLVHDKRCVGVLLLTGTPMKNKPGNLFPLLKAVRHPLGRHQ
KAYEAHFCNGMIKNFGRGPQWDACGASNLDQLRRKVASNLLHMTKEQCLTELP PMTKIFH
DVPVSSRFQVQYEQSIKNLASIQANSSNMREEAVLGAVQRLRVVCAA AKVDATVEMARSI
LNKEPAIVIFSSFAQVAKSIH SKLVASKWQCSLLTGETPKKKRQEMVDRFQKGLSAV FVC
TFGAGGVGLTLTAASTI ILLDRPWTPGETRQAEDRIRRI GQVKDCTSYWIRSF DLDKQID
GMLESKSQTANAVLDKNGNQSS TTGGGGGKISITQLSINLWFLNQENNEF SKTGIAYFN
CSSSHETA FNCKSKLVDTCWYAQEGSRVTRKKN TARDPE

>comp9732_c0_seq1; 390 2115 3074 LEN=3242; translated
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LPRDRIDEAIEKGT KPKSGGEDDFPLRFDAMMKLEGNRDPGSSDSSVPSVQVACIITA
LSDNRNR TTQHVRLVTKFGGEFLPTDHLNLYLFDHVGHILVEIAV NKIVDTNSDVEEAML
ILEEELMECALEAGAINIEPSTDDGEEDDTEIDGPTAATEATARFVVSTEEKELWKV VRA
LRGEATKDTIEDDNGDSTARWNLLRFEHRYVLKQDYGEVAGVHSESPARDSLDTFLEQL
DENEDVHKVYHNAALLQLS

>comp9733_c0_seq1; 643 179 2323 LEN=2323; translated
MLGVPSCQHTFQSIE LLNLHSTEAIMIHSIQTIPEETVLRVPDSTPTSSPSSNRSSEPAY
GRSWKGDIPQQLHVSRLPSGSLSLGPGQVAIVPVTF LPRYPSIDNCGGDEASGFNENND
EDNARSDDYYSTTVPDGRSPPLSSTSKL DLVLDVGERVLK AIDNKRQYLRHTLDPT YRR
RNNMNPSSLPKGDEQYEVTTTIVIVDTSRGVVKLPISASSIRDNL YRIPDVITFYHPSVTK
NDNDKNRTEEDDEFDDYDTTAE TRKKTTSNTEHARLTTMNGVT LFDTIHASDNDGDG
DEKNNPASLLDTIKPERECFDLYLSNPFDPRELQVMEALISRPEFVSVQFDPVRMAAPDL
TMLVSGSPSQVLRQWTVDGPLYLPPDSKQYILTICTAFEGEIEPDEGSETYLD EMSKWI
DSGDPDKNLGFLQIRTD AETL FVGL EHAENVPFLSLQPSTYKNLSSDV SAGSGTDKNRS
GTSTLLKSF PDR LKFDMI STASRALHTSFGLQNKSPVPIRIMRVTVGIDSSGDEENAREA
KLIGLKLKIGLKG SNGKVENSSDSDFNALGSLILGAASSLDDVLELKC SLNPDYFSDS
NKE SFNFMGT VVIRGTMDELSYHQWREETLQNPYRDEHLTLELPFTVT I LNGRVEALIE
QSSHPYPQLFAAQSWDGSRAISHLFFPMNQYAAVKGTEDVLPQQMYLGANEIRH

>comp9734_c0_seq1; 186 1 1086 LEN=1086; translated
TQHTTAAATMRVLP LRPVALLLLPLLPAPSVCLSQPSRSGWKPSIESLADRVALRQREVR
TETIGSLGFHHVEFYCGDARTTAH HFCASLGLSVTGTGQATGNDKCVSYGLESGSNGEA
LRILLTAPYSLATASPASDDPWEGENEDDDAYDAPRPLPGFDAASAHSFFRTHGLAVRAV
GLEVADAGAAFRASVQRGAIPVLEPTVVRACRAQRQAKGDGKSQAEGPSREMAEVELYGD
VVLRFVGP TGAGGAVAPSGEMPFLPHLAPTGDGDGNGNPSEGFGIYRIDHAVGNVPDLEE
AHERIKAFTGFHEFAEFCPEDVGTVD SGLNSVVLASDSEEVLLPLNEPTEGRYVPPRKRN
RR

>comp9734_c0_seq2; 389 1 1548 LEN=1819; translated

TQHTTAAATMRVLP LRPVALL LLLPLLPAPSVCLSQPSRSGWKPSIESLADRVALRQREVR
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LRILLTAPYSLATASPASDDPWEGENEDDDAYDAPRPLPGFDAASAHSFFRTHGLAVRAV
GLEVADAGAAFRASVQRGAIPVLEPTVVVRACRAQRQAKGDGKSQAEGPSREMAEVELYGD
VVLRFVGP TGAGGAVAPSGEMPFLPHLAPTGDGDGNGNPSEGFGIYRIDHAVGNVPDLEE
AHERIKAF TGFHEFAEFCPEDEVGTVD SGLNSVVLASDSEEVLLPLNEPTEGRRKSQIQTY
LEQNEGAGLQHLALKTRDIFSTIRKMRQSEKDVFGFELMKRPSDEYYRELPDRLGDQLTQ
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>comp9735_c0_seq1; 313 224 1027 LEN=1076; translated
MVFFSCDGCGEMLKKNKVDAAHAARCRQCASVSCVDCSVSWGDDYRLHTSCISEAERYEK
SVYSKPKKTKRNPQQEWMDIVETCASSAPPHLSHHFNTMTLDNI PRQEKKFVNFASNSL
QLRGHNKKIVDEIWSCLKQEREKRIAERDRQQEKEEKKELAEKEKQQQLERAAAARKSE
EKKFSKNGGDNDLPIDAKQVKKIAKKTLLKKAQGKSMAIKALRKT V GKELGLPKSAKKQLK
KILLE TAKASKDKIIIDG E IIRLKMNE

>comp9736_c0_seq1; 288 475 1411 LEN=1557; translated
MAVAPFLFQRLF AVPVDEIPKKNMGDGDVNNNAEKKILIPPGYNFFQRSGRRNDGGDSNN
SAATNSKTSGYVPSGMSRAEYAAIRKMEREREQKMSYGAWGPRFKRTDRPDGDWVMVNL
WTLGQIGGNNGKQSNVGT DAGNGTGS DNTGLRRRIQSLARRHGPAFILGYVLVDCLYS
ALAMWKFQQIRDIVMLRNAYGPAYAVYR LFRSVL FALLRITPPQTQHLMAAGQILKPAVT
KLAETTMAPAIVAYIQIHALKIVLALSQVRLWNL MERANRRWLCSKSRFAITVASAATV
GLAMFGILLLR

>comp9739_c0_seq1; 689 188 1972 LEN=2138; translated
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SSTLLSSSASPLTETNADQEEDEPFIEEDTIFALSSGFTGEQATAVAVIRISGPKATSV
LEGLLKTSP TSKPRLPKYRMAALRKL YHPADHSILDHALVLSFKGPN SFTGEDLVELQCH
GSRVIVQRL LNEALPSLGCRMAEPGEFTQRAFAEGKLDLVQVEALADILAAETHLQVEQG
LKHLGDGVSKTYEEWRSQLV SGLAHAEAVIDFGDDEHLLLGDEEEDDDGLSDEALQQQQE
SVWGEV GAKMIRLKE SMEDNLEDGRRGELIREGIKVAIIGPPNAGKSSLFNVLARRDAAI
VSP IAGTTRDVLQVSM DLGGVKCTLQDTAGVRS DTTDILELEGMKRAKSVIQEADLVVAM
IDVTMASHGMEIVRSVLD DCDIGSDDDDERISPQRMLLVRNKNDLLEETAEMDDAQREEQ
ESKFGDGI FDISCQ NQEGIDTFLDALTQEVVTRTRGSADV GEGAMITRARHRQHVEAAVE
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>comp9739_c0_seq2; 226 98 883 LEN=1049; translated
MAHRTVGP PNAGKSSLFNVLARRDAAIVSPIAGTTRDVLQVSM DLGGVKCTLQDTAGVRS
DTTDILELEGMKRAKSVIQEADLVVAMIDVTMASHGMEIVRSVLD DCDIGSDDDDERISP
QRMLLVRNKNDLLEETAEMDDAQREEQESKFGDGI FDISCQ NQEGIDTFLDALTQEVVTR
TRGSADV GEGAMITRARHRQHVEAAVEALERFAMLSTQGNMAVDMAAEELRLAGSELGRI
TGAVDVEDVLDVLFSDFCIGK

>comp9740_c0_seq1; 218 171 554 LEN=733; translated
MPTPKTIVK SLLSFSFIPGAFMTIMGLGLVPLDEAMIPVAAPFIDPFGIPMKGFLLVLGP
CKILGVLALWGIGPMEWIARLGLSLSATCAVYGHHSVGESVVPPLGYLALMGGLYALDS
QGKGKSE

>comp9740_c0_seq3; 218 335 718 LEN=897; translated
MPTPKTIVK SLLSFSFIPGAFMTIMGLGLVPLDEAMIPVAAPFIDPFGIPMKGFLLVLGP
CKILGVLALWGIGPMEWIARLGLSLSATCAVYGHHSVGESVVPPLGYLALMGGLYALDS
QGKGKSE

>comp9741_c0_seq1; 379 1 1412 LEN=1612; translated
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ISGSEVPVDIYFENEIQPYETACKDQVRFEVNFVTDAYS SGNVGDWLI SDETKN TVAS
HPVSDS QLYSMYNKLCIDPEKDYTFTFNARHGIGICCN GGFYSAFLEGE E IFRGGEF
GSFKFE GDTSPKVYSVSHK FRAEKGSLEQLSSLFVFPFQTPSSCIDNPTYRWKGRAQWDC A
WVAEEKDKRCSKEINGERVRDHCQRTCDSDCTGVKDPRLTPVTAPT NAPGNVFC LDDPN
FAWKNTPSWNC DWAAEKEKRCRSKDG VNVKDL CQKTCGTCSGSTKPSADESKIDDPN
FAWKNTPTWNC DWAAAKNRCGKSKNGVTVNDHCRKTCGTC SAGTNPTSPGVDPPTDE
DRCIDDPNFTWKNNPNWTCKWVGKARNKRCGKRNKRVK VSDHCRKTCRSC

>comp9741_c0_seq2; 327 108 1210 LEN=1210; translated
MNILSLLLLIQCGIVVASTNLQEPTNVSQRQLRGGNIDINNNVEESRLDISKSRNLLDLG
PLNTARYLGQKELLVIRIEAKDSSTTASESEVRYDVFESEVNVPKQFEACSRGKLSFRPA
QGTNIKDG VVTVKLNKVVGKMAFATNGDSVVKDIESMAPTMFGREL RGF DQVIMCMP PGV

TVVNP SGVTTDKFTA FVP GDKPYAFFVSIYND DWCTSL SAGMHEIGHTLGLNHATEVING
QHA EYEDE TGMGYS AKSKT TPLKCFNPAKAWQLGWYAEQSKRINPLIDAPLRTILTGIT
RDINDNDQSKN ILIQIPNGDKNIYIGYNHAIQYSETEADKANKV LIMEQDYGGSKMLLAK
SSVLSKLG

>comp9742_c0_seq1; 383 373 1401 LEN=2243; minus strand; translated
MKYAI V T G A S P S S I G F I A A K K L A S P E F G Y K V I L A C R S D E K G R A A E D L I R S A H P S S Q V A Y V
H L D L S S F A S I R K F V E D I H A L D G G A I P D A N R P D S S L S I L V N N A G V G W G K D T P F R E T A D G L E
E I V G V N H F G T F L L T Q L L L E D L E R A E G G A R V T I V S S L H E K N E Y M A K K T T A D R D E A I E I D P
V K K K L L L P S F P E G L V P S R E N Y D G M K A Y Q V S K L C N L W Y A Y E L Q R R L D G G E A G N S S V R V N A L
S P G F I P T T G L N R Q A G T L G I F F L R F V L D P F R Y F G M G V T R S P E D G A E T I V L A S T S E A A G K G G
Q Y F E L P R G A T E I A A I A S S A E S M D D A K A R A L W D L S L K T C Q L E A

>comp9743_c0_seq1; 510 1 2422 LEN=2473; translated
X A E E D Q T F D F D V Y K K I P K R R S S I R P D V N G A I S D S I A K T V N K M N S T I D E T N L F S K I E K R V V
T R K T K R S T G K E K M A A R E I L N G K I D L L R I L P R Q D C N F L S T V C F I F T L E Q L E W V L N E D Q T V
K D A S S R Q R V R E K L M L N L K E N P T M I H E S K K L E I E T P N G Q D E K A S G R V F S S E S W H S V A E H S S
S R A F L A G K K L N V R K S I E T W R Q G D F N T S D N D Q F P L L D G P L S L L F P I G T L Q F L K S I R V K S A
F D F L C L R R T E S G P V V M F R A W R R Q C G L R D M N L H S L S K H L S R I G T C I E E S L K G K L L G G N E T
S K R I T G A M G V L S G V A K E F L I D H S K M F S A A Q F I E Q K T T K I A D E F S K W R A T K G L S E L K S S S A
V A M V S A W K T Q M K E Q L L I Q S S E G R F I S E E R M I E A T D S E I K M I G L D D N R G Q S K Q Q S E T S S S K
A C S A L D S P E F F S N F F A D E Q K L D M F K S V G I T C A R N F I E T S K G K N S R L L K A L V Q M N S P Q K N G
E K V I V E S C I T Q L H D W S S Q M K K R I D G I E N T G H D N V Y K V G E I G P N L N D N R T S R S V S K E S P R F
R K S A S T K D S D R K S R S V S K Q P P R M R K S A S M N P F D A L S S S N K E F L L A S M N I S T A A D F L A T R T
T D I A K A F M K W R E D R G M P A L K G L G A V A S I S G W K T L V R T K A A S L G E S E L V E L N R A R N A K H I Q
V V V N S K P G Q A K S G G H K M K N H L E N L G S S K K K A K P I L Q T A S K F Q A K L S V L S S K T R N V F H F E M
E D R I G P S G K C N T Y I T Y L G N D A A T D L T M E R N V N K K K G C V P I T I D L S G K L E R I N G R K P F D P S
T C G T I E L S N S I S S N L S S H Q N K P D N G K F

>comp9743_c0_seq2; 1006 1 4150 LEN=4150; translated
X A E E D Q T F D F D V Y K K I P K R R S S I R P D V N G A I S D S I A K T V N K M N S T I D E T N L F S K I E K R V V
T R K T K R S T G K E K M A A R E I L N G K I D L L R I L P R Q D C N F L S T V C F I F T L E Q L E W V L N E D Q T V
K D A S S R Q R V R E K L M L N L K E N P T M I H E S K K L E I E T P N G Q D E K A S G R V F S S E S W H S V A E H S S
S R A F L A G K K L N V R K S I E T W R Q G D F N T S D N D Q F P L L D G P L S L L F P I G T L Q F L K S I R V K S A
F D F L C L R R T E S G P V V M F R A W R R Q C G L R D M N L H S L S K H L S R I G T C I E E S L K G K L L G G N E T
S K R I T G A M G V L S G V A K E F L I D H S K M F S A A Q F I E Q K T T K I A D E F S K W R A T K G L S E L K S S S A
V A M V S A W K T Q M K E Q L L I Q S S E G R F I S E E R M I E A T D S E I K M I G L D D N R G Q S K Q Q S E T S S S K
A C S A L D S P E F F S N F F A D E Q K L D M F K S V G I T C A R N F I E T S K G K N S R L L K A L V Q M N S P Q K N G
E K V I V E S C I T Q L H D W S S Q M K K R I D G I E N T G H D N V Y K V G E I G P N L N D N R T S R S V S K E S P R F
R K S A S T K D S D R K S R S V S K Q P P R M R K S A S M N P F D A L S S S N K E F L L A S M N I S T A A D F L A T R T
T D I A K A F M K W R E D R G M P A L K G L G A V A S I S G W K T L V R T K A A S L G E S E L V E L N R A R N A K H I Q
V V V N S K P G Q A K S G G H K M K N H L E N L G S S K K K A K P I L Q T A S K F Q A K L S V L S S K T R N V F H F E M
E D R I G P S G K C N T Y I T Y L G N D A A T D L T M E R N V N K K K G C V P I T I D L S G K L E R I N G R K P F D P S
T C G T I E L S N S I S S N L S S H Q N K P D N E L G I T L E E A I K H F V L Q K K S F C E G V E N T N P T Q M V S M V
H N E I D I I E T K C S R Q K F N M F E V L R N G R K K L I V C L V D P I E K G Q T V K L E L L A L E T F H S S W L A E
T N A G K I R K W I Q E R L S K L P I T V L I E L L E F V T E D I A V H V F K H L E S A L K S I T P P F C N E K N E P G
I S S L T S T E L V L A R R R I H W V A V K I F E N L Q S T K T D L T C R H V S A E L Y W T K E F V D K L E D N L E L K
S I V A E P I R K E I I H E I N H E F V Y R G F S G F A S T K N L W C P M A N K L F H C T L D L F V G L S A E C G E F S
L G E N L T K K L Q S L V L D C I L E L R E S S V F D S H T N Y E N E L T K F A L V Y K K G C R L D S N I L P S F D D I
K E T L F I R P Y V N A M E L C N E P V S T L D S V K E I Q I V A V H E E R S S Q G K Q V T C F R D L K N T V A L E G T
C I D V H W Y V K T Q I L A V V R T A V Q S S L Y T L A L D D V K S S F V T I E S Q I L D A A Q R A L G G T K V K N P S
L E N F E I D K Q S V H S I Q G S E S K E P L G T T N Q L S P T P S S K P F F F G L V P H L K Q E G W S L I A G D A P
S E I S F V P P V P V K S Q N I N Y H R K D S L L K K R S N Y A T E S N S F G L G Y V P K L T K R L L I Q C L E Q N N E
V S Q G

>comp9744_c0_seq1; 1003 200 2117 LEN=2210; translated
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M V D Y D A Y D E D G T M E T P E S T L P K I S S Q P I R R Y K S L K K E P L V A I L G R P N V G K S A F V N R I C G T
Q S G G A I V A D E E G I T R D R T Y R N A N F L G E N F Q V V D T G G L V F D D N E K T L F A K E I R E Q A M V A I D
E S S G V I L V V D G Q V G M T G M D Q Q I A E F L R K E V L S R N L P V I L A V N K C E S E K I G A L N A A E F W N L
G L G E P I P V S A L H G V G T A E V L E Q L F E G I Q K Q S A A L P E F G T K V E R L K Q A K M R K N S K K Q L P G
E D E I D F K I K Y N I G D V A Q K I E S E Y E A A L A A L D E M E R P E E I N V A I V G R P N V G K S S L L N A I F G
D Q R A I V S D M A G T T R D S I D A I M E R P P D E E G D L P T I Y R F V D T A G I R R K G K V E F G P E F F M V N R
A L R A I R R A D V A L L V M D A T A G V T E Q D R I L A Q K I A D D G R A C A I I C N K W D A V V D K D S S T Y D K S

IKYIRAEMPQIRWAPILFISAETGQRVGKIYNVVDEAIGAHRKRVSTSVLNEVLRDAILW
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>comp9745_c0_seq1; 1862 1 3722 LEN=3842; translated
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LRHTIELSHRDLNGEALSEDEQIELELFDRRRDGHPLTEDDLEELDLMRSKRKQQNPCFE
QPDDLEESKEDDDSLYRRELLSKQGGQRLDKKEFQWLQILMKKSRHEELNEKDI EELE
IMRNQRNEIEIDIVNTKQLLEEMKKQERRKIKEQRRKEKEERREQRRLKEKEQRQKAKKM
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GWGWGGNNKKKKQQEQLEEAQRIQEELIREQMKALALEAEMEELEREKAMQEQLVQETI
EKQKADASEDGSSSWETDSEEDFDDFESDSSSWSSSLDSSVVSKNMSEEPKDDTQNKNI
DESVS KATQVSKASRKDVAKATSGGDHENAGEEKGSTKKSLLDFHFKKTKKRGSKKTKY
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ILLSPKKKKVTSVESNATLQFNQSFVRKISVIDSEDEADSAGLALSDVEEGDEDESDDDL
DYTKDSFLDSLQSFASNNNDIEPQDDNGNDDVDVDDENTETRAETIEDKEAEFDTTW
ETVVADENVIAQINQRLRERKRKVKETSKDKKKVTEETEE SRSLQDVPRLFLFEGEKAQVD
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FAQKPSNFVYGDNDSDAVSYSENGAHGDPVSDSDSDTFDGGYLKRLQTRSMQH
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KKSNTSVDNKTGKGVESFEHNVGFKQSTLSQLPKNRVSLGGLHGMPATIEEEDDED
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>comp9746_c0_seq1; 516 64 1191 LEN=1408; translated
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TTRQVDALSNILENLGMPQGADKSSGAEGSAGAAPAGTGGILT LADLQ SAMGGVQKQQE
NTNTPGLHEVTPGAISSLLADEAVRNRLQELPEEQRSPEFLESCLRSPQVQQT LRLSLT
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DNKKSEDEDAEMKED

>comp9747_c0_seq1; 1073 1 3309 LEN=3362; translated
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SDKSHNQNSTVAKSERCIRPRLLETPEGSATDSLKESSVPTQSPSQEIVNHLKSGKNRK
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SVC SLFGAVQCNLCSDAAHPHCALDSGWTIVHCAATKGQPMKHSMFCKHSGNADQLSSE
NTRIIRSKKKTNMNGSQRPKLKRKGKNTYERERTQSEKVFGTNNFREQEIEI LDDTDDD
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KRL EASAGAVDATLSQIRSESTPANDRNALIDLRSQTNGTDSPIQLMTDGLRPAISNG
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>comp9748_c0_seq1; 360 94 1765 LEN=3824; translated
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>comp9749_c0_seq1; 300 398 1651 LEN=2045; translated
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RGWWTWCWREVPFAGGYFALYDIFKERIEDAFDRRDAKSLETPVAASTTMTQLDGTIYNN
PADEATPSMLATTTTTEPNTSQHSWIASAIAGGLTGALTWAIIVYFPDVIKTQIQTAPLDT
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>comp9749_c0_seq2; 300 286 1539 LEN=1933; translated
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TAPSADTTRTTDDEQEVFFFHDFIAGGVAGSASVIGHPMDTLKVRMQTAKGNPSIASLA
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PADEATPSMLATTTTTEPNTSQHSWIASAIAGGLTGALTWAIIVYFPDVIKTQIQTAPLDT
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>comp9749_c0_seq3; 300 286 1539 LEN=1766; translated
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AFACGSFAGLVQGLVICPMEHVKCRMVQVQETGASGSNPLRRTTLRSILTSGGGSYSISALY
RGWWTWCWREVPFAGGYFALYDIFKERIEDAFDRRDAKSLETPVAASTTMTQLDGTIYNN
PADEATPSMLATTTTTEPNTSQHSWIASAIAGGLTGALTWAIIVYFPDVIKTQIQTAPLDT
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>comp9749_c0_seq4; 300 398 1651 LEN=1878; translated
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PADEATPSMLATTTTTEPNTSQHSWIASAIAGGLTGALTWAIIVYFPDVIKTQIQTAPLDT
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>comp9750_c0_seq1; 1466 210 3841 LEN=4015; translated
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KLQDGRGIAR

>comp9753_c0_seq1; 201 1 1496 LEN=1541; translated
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WTSRPTAKILHFTEKKGWQCERTTEEPVPEKMPKKCKKELPICFCREAHLYWRALERA
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VAAGAPAPCTRADALSQ

>comp9754_c0_seq1; 690 162 2963 LEN=3213; translated
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>comp9754_c0_seq2; 404 181 1272 LEN=1522; translated
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SAA

>comp9755_c0_seq1; 422 126 791 LEN=898; translated
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>comp9755_c0_seq2; 978 89 2080 LEN=2187; translated
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FLFVNATLNIWIFVFGGPIPGWKGFFIGAAISLSISRMTQGVICYLYMFVYKHHIDAWP
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GKR

>comp9756_c0_seq1; 253 146 788 LEN=788; translated
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>comp9757_c0_seq1; 257 313 1260 LEN=1608; translated
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GPTPRRDEQAEAKIMAGDRSDIFRLVPSKISVEQAKQLDLETSQSDVPLFIADRLAFAS
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>comp9757_c0_seq2; 315 313 1152 LEN=1500; translated
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>comp9757_c0_seq3; 298 313 1343 LEN=1691; translated
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>comp9758_c0_seq1; 574 274 2496 LEN=2983; translated
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SLLDEFENENEGT VVNE DRMAA IERAILHLES DNVPSSPATAVRAHKTRTTGGEKTQKS
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>comp9759_c0_seq1; 327 1 1488 LEN=1607; translated
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VPSFLSRGDEPLDLVLCINXDPHLAVGGDPRAD EAGRGA PAASRRLPLLLRSLPARGQNR
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>comp9759_c0_seq2; 356 1 1251 LEN=1370; translated
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ESPSAERNKDP I WGLSSRILRRGNEGNHPWTVLEVAAGAGVHTECFASRWLSSLEHDAD
KASSEGGDSPPPFVWHATDPEDASLASVRSRVASSPGLKVVAPPELLTLGEGGIEASSL
VPSFLSRGDEPLDLVLCINMIHISPWGATLGLMKLAGERLRLRGGLCYGYPYRHEGRTV
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>comp9759_c0_seq3; 355 1 1230 LEN=1349; translated
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NKDPIWGLSSRILRRGNEGNHPWTVLEVAAGAGVHTECFASRWLSSLEHDADKASSEGG
DSPPPFVWHATDPEDASLASVRSRVASSPGLKVVAPPELLTLGEGGIEASSL VPSFLSR
GDEPLDLVLCINMIHISPWGATLGLMKLAGERLRLRGGLCYGYPYRHEGRTVLSNENFD
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>comp9759_c0_seq4; 294 1 1314 LEN=1433; translated
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>comp9759_c0_seq5; 323 1 1077 LEN=1196; translated
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SLVPSFLSRGDEPLDLVLCINMIHISPWGATLGLMKLAGERLRLRGGCLYCYGYPYRHEGR
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>comp9759_c0_seq6; 293 1 1293 LEN=1412; translated
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SRGDEPLDLVLCINXDPHLAVGGDPRADAEAGRGAPAAARRLPLLLRSLPARGQNRPFQVR
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>comp9759_c0_seq7; 322 1 1056 LEN=1175; translated
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SRGDEPLDLVLCINMIHISPWGATLGLMKLAGERLRLRGGCLYCYGYPYRHEGRTVLSNEN
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>comp9759_c0_seq8; 326 1 1467 LEN=1586; translated
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NKDPIWGVLSRILRRGNEGNHPWTVLEVAAGAGVHTECFASRWLSSLEHDADKASSEGG
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GDEPLDLVLCINXDPHLAVGGDPRADAEAGRGAPAAARRLPLLLRSLPARGQNRPFQVRVSK
VPDRTGGLVVRGKRFWPGKAALECAPKRAGGSMDGWTDSCAVPCRAVFLSGVCRRFAHFGC
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>comp9760_c0_seq1; 351 69 455 LEN=813; translated
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>comp9761_c0_seq1; 134 243 717 LEN=1183; translated
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PNPWHGVFPEAGAGPQRNATHYPAGLVLCERPPAVLV
>comp9761_c0_seq2; 134 243 717 LEN=1179; translated
MISRFLFAVDDTNIGSSERARTKSAAHKRYVLPRTSLIAVVRYEYPCAPPLGTTTLWAGD
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>comp9761_c0_seq3; 134 243 717 LEN=1176; translated
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PNPWHGVFPEAGAGPQRNATHYPAGLVLCERPPAVLV
>comp9761_c0_seq4; 134 243 717 LEN=1267; translated
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HGPGKKPVARSSASKDGTGGRPTSKAAHSMPCPALRHRSACACAPCRATESSRAAKKLVEQ
PNPWHGVFPEAGAGPQRNATHYPAGLVLCERPPAVLV
>comp9762_c0_seq1; 78 1 175 LEN=1129; translated
XWYYP SHPLPHNPSSTQQHACLGMMSNAKAGNVIIIDGSLRDGRSRALGTALTNCEG

>comp9764_c0_seq1; 820 187 1686 LEN=3007; translated
MAFCDDIENLSEEASSVCESLGSLSDDGIVTGVDTFFLLFAGALVFLMQAGFAMLCAGS
VRQKNVKNIMLKNLLDACGGAIGFYTLGYGFAYGSGNTFIGASNFAITEMSSGPDYIGFF
FQFAFAATAATIVAGTVAERCKMSAYLCYSLFLTAFFVYPIVRSVWSSDGFISAFAAEPL
RGVGNIDFAGSGVVHMTGGATALVAAIVLGP RRGRFYDDDGNALETPKFPAHSTALQVL
GTFILWFGWFGFNPGSALAIANEESAATAALCAVTTTTLAAACGCVTSMALDSFMDYSATG
EVSYDLTMAMNGALGGLVAITAGCSVVYPWAAVIIGIIGGIVYYAFSKFLIKMKIDDAVD
AIPVHFANGAWGVIAVGLFADKDLQAIAGFSDAHQGFNDFGDANLLLQFLAILWICTW
VFAVMTFFFMLLNALGMFRVDPLEEEVGLDISHHRGTAYDLEPAKQTDVEELMEVRASRH
GKVEVPKEVAQAAEVAATD

>comp9764_c0_seq2; 274 187 705 LEN=802; translated
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VRQKNVKNIMLKNLLDACGGAIGFYTLGYGFAYGSGNTFIGASNFAITEMSSGPDYIGFF
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>comp9764_c0_seq3; 820 187 1686 LEN=3114; translated
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FQFAFAATAATIVAGTVAERCKMSAYLCYSLFLTAFFVYPIVRSVWSSDGFISAFAAEPL
RGVGNIDFAGSGVVHMTGGATALVAAIVLGP RRGRFYDDDGNALETPKFPAHSTALQVL
GTFILWFGWFGFNPGSALAIANEESAATAALCAVTTTTLAAACGCVTSMALDSFMDYSATG
EVSYDLTMAMNGALGGLVAITAGCSVVYPWAAVIIGIIGGIVYYAFSKFLIKMKIDDAVD
AIPVHFANGAWGVIAVGLFADKDLQAIAGFSDAHQGFNDFGDANLLLQFLAILWICTW
VFAVMTFFFMLLNALGMFRVDPLEEEVGLDISHHRGTAYDLEPAKQTDVEELMEVRASRH
GKVEVPKEVAQAAEVAATD

>comp9764_c0_seq4; 820 187 1686 LEN=3021; translated
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FQFAFAATAATIVAGTVAERCKMSAYLCYSLFLTAFFVYPIVRSVWSSDGFISAFAAEPL
RGVGNIDFAGSGVVHMTGGATALVAAIVLGP RRGRFYDDDGNALETPKFPAHSTALQVL
GTFILWFGWFGFNPGSALAIANEESAATAALCAVTTTTLAAACGCVTSMALDSFMDYSATG
EVSYDLTMAMNGALGGLVAITAGCSVVYPWAAVIIGIIGGIVYYAFSKFLIKMKIDDAVD
AIPVHFANGAWGVIAVGLFADKDLQAIAGFSDAHQGFNDFGDANLLLQFLAILWICTW
VFAVMTFFFMLLNALGMFRVDPLEEEVGLDISHHRGTAYDLEPAKQTDVEELMEVRASRH
GKVEVPKEVAQAAEVAATD

>comp9766_c0_seq1; 208 224 499 LEN=1200; translated
MTALSNVSENQDEPLHLETDSNRGVATASTRSQDMVRDLEEKARKILAKESEEEERAARK
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>comp9767_c0_seq1; 230 88 435 LEN=603; translated
MEVGKLVAVIGDEDTVTFLLAGIGHRTAEGSNFLIVKQDTTLSQVEEAFKSFSTREDIG
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>comp9768_c0_seq1; 1155 1 4834 LEN=5268; translated
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RDDKSGSGIPQALVVSRRNGSVSLWQWKDRAGALGKPWQIVSDAPCRPILGDKKGNSTSE
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VAFSSQMDHKIRYLSGLPESFGRSGLIASFPFIPIPSYYTNWLAGIRPDRFVYSSHNGTR
LVERGSTNTFLLPLATTRPALLEPMIANAIATGAKGTTTQTFLRVLEKFRKVVVTMS
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DAIKMLDISGTQPSDAIMQLSMALQLDPAMEGSPLIDSLYQQDSQTEKVP SLVASLAAL
TTELKAGKTPSPQFNKWLQSLAPSVQRSKYERQRSRLIGESSLSMVMPRDKVQNEVFS
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CNDEDSFGGENEDTFKDGWVDGVEGLNDEDKLSAYYRFSEGEEDTSWRDEGIADITKF
ENTATIVGNPDDFNLQESLSSVDEGESGKVKPIHDLVFGQSGVGQASALVISAMRGGSLD
LGLMHGPDHVSQRKCTIEFWAWIPESIEKEIILVRRSCGSSAGDFVICQSEKRNLWEL
GLHKNGELEFRTIAGQSVTTKPNRDNIEDTPSNTVHFSRWNHICIIMKQESMISSAVSL
LIRGSRKIDSEVLNFSPPDFEVDDFSGASAFDQMLETSHLVFGIDHTKDFRLTELRVWAL
DRKDDDIKTWMTYELECAEIKRRIKIKIKRKLGGDKGIALSPKKGLLTPPRGLKPPSDVP
KGGLLAPPGGFQPPTDSKNRSDNKKAGLLAPPKQSKEDGYSSPKNATKLDTFGSSSFSG

ANFGNFKQSPDKGADLSSPASFASDFAGRMSGSTFGSELQGEKLLNENPDSPLKNKGISA
VTEETIQEDASEEVDISPLWESAIPLSEQVRTSAASALIRGPPATRHFGGNRGGLPDYRE
LERFGVGAISICGSEKTIVWRDDQVPPGLTYPIGASGAIVSDQMDGDGSEFLCCFMAKDK
RMVVFELSTRITIVVELQMTTKLNYWRFLPPEAGEDTLCFMLITPVGGFHWMPLESPRPR
QVWKRPELQGGKIVSYEEGGANGYDGLDMLSKVGMMLLVTNSADATNSGSLEAWLVPICG
DSKVVCASYEILGACLQPPGLNFEAFMPLVLFVVEENNELIVCVSAVTQEDENSIGLTD
VMTDALIEQGPYHSFDFEPPALAMGTYPEVLCCSLGTTVVVIIRKGLVVAYELGESGLE
LIAQENVGHYVVDAMRYNASEGGAEIVLLMSDTENRRDGRVGTFCFRTAC
>comp9769_c0_seq1; 966 261 3650 LEN=4309; translated
MEDNGNPTRMTKYLFHSSSQAEDVALSSDQAVSDAQEREMNKSTQYLTLRTNSKTTSPS
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EKSVRLPSSSSVNSNFNKKTKQVERKGGSQEHELQYHQAVIATATSSTKKFTDGHGRPY
IDRNSTRNTDSQSSDSRRHRTTQNRCSAETRALRRSEEQRNTKMMLVKPRGDVAESTPNI
TVESKLLSSTTDSGMLHSFTRGSKLDNKNKIEKKESSMARKKIIDRRSEKSNLGNMNMGD
EFCWMPALTNPICSDYRYDRPTAESKRKKDPDARDSTGEEKPKSKPFFGTSTLQNDKKS
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KTQQNEAIIIEAATDQPKPHAMDSWLPGGVQSTNYEPEIPFKETEKKKRHSQQSSSLRK
NILEVPGNSDYKHKINIVSSTTKASWNNAIQRDDPPANEYMFYDPKPLYHQVLPQSD
SVDVDTFHDDSFHYYSSELGNTPETSIAGSHNPQQYVLSARPLTSWVPPSMEGQDAV
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SANFPDEVGGITVSGNSAPPSNPTIHSRSSKSFEDPEISTSEYSQNTSREGSSLSKRSR
KVHDETEQGWETSQSTDVVMPRPCTTSSSPWSAVKESKGFQSDSYKGRKMIILICLFS
VLVVAGAIVVVWLKGLILFDDSTSQPEPNEFSTPTSISPTTTSTQAPSMAPVIRDNPSA
FAPSQNYSSSPINVPLVEESERGTDLFNLVVDAYPQGRAALQAPDSPQKALQWLLESTV
NGETFIDERVLQRYVLATIIYYSTNGDEWTNNTAWLSELDECEWWSTAEEKVCEDEFGRYRKL
DLQENNLVGLSELVILSNLMTINVRDNALSGQLPSLLVADLTNLEVLDLSSNAFSGE
LSPRLFADARKLRLSLFENMLSSFIADLGLKTELYVLDLFGSNKLTSTIPTEVGKLSKLT
GLSLFNMLSGAIPTEILELQNLNMLYIDSNNFEANVPEEVCLIDLEEFW
>comp9772_c0_seq1; 268 1 778 LEN=1106; translated
XLKFNAPSDSRRFSFNIAGPNHNFDSILFHFNPRQRQKGGQLVNDKQGGTGWGRAVQLP
LSQVPLMFGQPSSTLMIQINGDGFDFVENKHVARLEHRVELPSRPCKLWLQFPSCDDSR
NPENWTVYRAWWGNKEPLAKEDVSGIAGVDAFDSVHPKLFVSGLPKIRTDKQVELRTAE
LERVFRRFGGARGVSCVVPKNSKYAFVEFETEHEMCDVALQKMPETSFPYKINRARRTKHE
ALMAERAAKERGESTGGGW
>comp9773_c0_seq1; 150 1 726 LEN=1123; translated
LRHKASSTKRSNNHRLSERLYLKIMISTLKRLLILLGFLSICSAKDVPTNRNLEGLLEFP
VSKVFNITTKITLNGEYTTYSRRDGSFVIYDVGPQIHQLDIDSKKFHFPQVKIQLL
EESMDTPKCLEYAFPGAPKRALKYPLVINPKGTYQYFEPKKGFSIFGLLRNPMVIMMLF
SAGLMVAMPKMEGLDPEEKARMREQMKNQDPSAMLSQMWGEMTNAGEEEAPRSKKERRR
VKQN
>comp9774_c0_seq1; 141 1 1130 LEN=1143; translated
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EDVVRLRHDYVKPREQVAQVMSLVCRLELCVLQKHQINDESDGGDGASDQDRPSGVRVYK
KDSNRFYLFXVPASDGNPERDCQDLAHRGGHPRRPTRCAA
AVRGLPRAPVFPVRLLSARPLSRA
PGPVQAPADRGGGLASSHLEELRRPALRQARAGGGPDRSPRGRSGPGRGGGRPHRGG
PLRRRQGPGRGRLGGAPRADVPAEVL
SAAGPRRVLVPVVRGMQRSGFRGRGRSVRSVPVLLP
GGGVPRRAPIREAVSGPRLRGGRVLEPAGRR
AHDRSHGAANHTRGAVLQQLSPGGAVCA
PVLGPDISFDPRKETQ
>comp9775_c0_seq1; 156 54 281 LEN=519; translated
MAIPATLVGTGSIAYLVLGAILL
GIVQASRGVGLSKDDAATGNVVVV
ISVFSMWLFWLCA
WMHQWHPLIAPIYEA
>comp9776_c0_seq1; 785 1 2914 LEN=3095; translated
XVGFNPENENDKETGEVDKDAVAKEENETTTARE
SANKQDWVELKDDEGRSYYNEKTE
ETSWDRPATFATKDDAVVEKEEKASGITKAKAGV
WTTLQDDEGRNYFNEETNETTWDK
PAQLDNDDRGTGMSVPRPKSPGMEDDGIPVTAGN
WTRYKDDSGRYYYNSETQQTVWD
KPSDFDELVKYRTTGDSVDGDEADGGMKLSVPRP
QSPDGTSPVPMEEEEPEEEEEVDPAVK
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LLLLAAHVHLLMAQLPKGILTDLTEVV
KSDMGNPKNAIQALSDSAHQTA
VCGLLSRWLTDLKSQTSASSSTTDDAAHAKRFQ
KSADGIREMTQEVVNSIVKERFTHKGGNNILALS
KSEAAFLEDMMDSNRWRKLLIDL
SASNKDSALLMYCLQSIKRGHREIARRINQSEHF
PVFNAMLASELAVIGKISVSSCHDHDT
SISL

NELVGLRRICTSTSYTYLYGFEVLRFQIQKAKNDSLAMEERDRLLYQRVIRKWERLLEV
LQGD MIDPSKSTGSNPLVRKRRLDVSC TISDLHQRRRIHPDKKDRGNIDSTFTETPNI
IDGINDDRNRQIESALLTFLRKYCVGTQLDEPLLDRLMFPNESVSQETNFIGNLLVSYPIA
IEALLGYLYKPGQVRVGSISLRQKCGRLTAIAVLVAEKQSFEEAKKIDPNVLEPESEDEAL
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ITRGGEFVSSASYVSI SP SIMTLARIVYMHPFTRDDVVEVAFQFLKHSNSEVVYHTMNT
LKEQSLRLLLFLCTRGEAPVVFSQLMPLLLKDPGRSGLDASLIRYFVSGLEIASPPFSIP
FVRSLMILLKAPGSVDALKTSYFDKDSKSRLLKSVMNLYLRTRLSGKHLTRPLAKEDISLIN
SVLSIYSPTSG

>comp9776_c0_seq2; 878 1 2818 LEN=2999; translated
XVGFNPENENDKETGEVDKDAVAKEENETTARE SANKQDWVELKDDEGRSYYNEKTE
ETSWDRPATFATKDDAVVEKEEKASGITKAKAGGVWTTLQDDEGRNYFNEETNETTWDK
PAQLDNDDRGTGMSPPVRPKSPGMEDDGIPVTAGNWTYKDDSGRYYYNSETQQTVWD
KPSDFDELVKYRTTGDSVDGDEADGGMKLSPVRPQSPDGTSPVPMEEEEPEEEVDPVK
RLEEAKQALAQVDAIMETGILTDLTFVVKSDMGNPKNAIQALSDSAHGQTAVCGLLSRWL
TDLKSQTSASSSTTDDAAHAKRFQKSADGIREMTQEVVNSIVKERFTHKGGNNILALS
EAAFLMMDNSNRWRKLLIDL SASNKDSALLMYCLQSI SKRGHREIARRINQSEHFV
NAMLASELAVIGKISVSSCHDHTSISL NELVGLRRICTSTSYTYLYGFEVLRFQIQK
KNDSLAMEERDRLLYQRVIRKWERLLEV LQGD MIDPSKSTGSNPLVRKRRLDVSC TISDL
HQRRRIHPDKKDRGNIDSTFTETPNIIDGINDDRNRQIESALLTFLRKYCVGTQLDEP
LLDRMLP NESVSQETNFIGNLLVSYPIAIEALLGYLYKPGQVRVGSISLRQKCGRLTAIAV
LVAEKQSFEEAKKIDPNVLEPESEDEALTQMLFEGSKLCEQLENMVSFIVTTDAIKNGA
VESPEQICNLAVKCAPVAQGVAMWAREITRGGEFVSSASYVSI SP SIMTLARIVYMHP
FTRDDVVEVAFQFLKHSNSEVVYHTMNTLKEQSLRLLLFLCTRGEAPVVFSQLMPLLLKDP
GRSGLDASLIRYFVSGLEIASPPFSIPFVRSLMILLKAPGSVDALKTSYFDKDSKSRLLK
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>comp9777_c0_seq1; 254 151 1455 LEN=1753; translated
MVNVEEKKIDESSTPTAPLPVDREWISKLLKRYPNPNSRRQDKALVVAPMVDASDLPFRL
LCRRYGANLCYTPMIHSRLVVD SKTYREKFTGTWLETADRPLIAQICGSDPDDLKAARL
VEPYVDGIDINCGCPQGIARRGDYGAFLLEQEDKLLKLVKHLVANLTVPLSVKVRLLPDP
ETNPHKLNDP SYKGFDTPAASLALYGLVDAGVHLLTIHGRTRKQKQDMTGADWETIRK
AVELYGDRIPIFANGSIEHYS DVEECLRTTNC DGMSSSESLLEFPPIFYKTPQSPPSQRT
IGRLQLAE EYMDLAKKYPNKGQSGGLK CIRIHVHRFLHKDLQEDTEFRQKI IADKSL
DLEESLELCRQKHTRENH SVGDEALS WYRRHRDAKVQRDIQSERNDAED IDECGDCYTGG
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>comp9778_c0_seq1; 791 1 4234 LEN=4561; translated
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MGAGQQNQLPQQIAANNMNMNNSMNNMNMNMMNMTMNNMNMNMMNNTSNNNIIS
QNSQSQNLNTSQRSHSNTSNASQQRQQEQQLMNHAKAMDDPSPSKSNKDDEPLVGNLR
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TSPKDSSTNKRDRPSDKLPSAGLDENSERSTGSKSKRRRTISSVDKTPRGRGGGKGRRLR
EIQKINLNSESDSGNAGPIIGIKRAVDVANKNKSNDASPD LASSGASKSGGQQSLPKG
DVEQHLLMLNKGLHLTSRTITHKCLPIVQQLIDDPYGVVFRDAVDPVLFGLPDYFEVVK
PMHLLLVK KLEN AVYTDMA SFERDVKLVFENAILYNGEDSDVGTAKTMKGVFETEYKK
VCEGIECSLDY TAXRILISRI FIMYTHS IHCVFTTYRSIWLVLNDLPRLDPKCALCGVS
KLKFEPPVLFCSGMGR IKRDSVYYTDSKHRNCWCQRCHSKLPASKQIILDDGVEIK
KSSLI FDKNDSTPEEDFLECHDCKCRVHKICALHNCRNQKPNELFRCPKCINVHKEINGL
PHNAPKSAKDLPTCLMSDFIEKGLLES LDNSYRKTAEEDGIPISNIKRADDLSVRVMSHV
SLKHMVRDEMFKKYSSQGYPSDFPVHTKICIGLFQQIHGVDVLLFVMYVYEGHECPAPNR
RRVYISYLD SVKYFEPRRYSIAYQSIIVEYLRVFKKRGFHTAHIWSCPPADGDEYVFHC
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RLGNAIHDKVMSRLGTAIHNMKENLIVRLRNKHFALAVDRGEDVSEWPDDDAYAPHPGE
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QFDEMRRAKHSTIMVLHQLHNP SAPKFVRRCRACQKDIGSEGCYRCKVCPDFDL CMDCHG
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GVLVHAASCGGVSEXL SPEELRQDEGAPLPRGLVPALLGRIDGRRLLQDLRPRPVADHR
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RLHAFLRIRQLAMTQFPFIEECLKKLYLAYAQRKFATASSVTSALPTLTFMGNCVVEL
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DDSDVLSGNSDQLLRSLIFPLTQVILGTARLIPSTRYLPLRLHCVRLQLQAAAAEIFI
PTTSLLDVFDLHELSQLPPKVKHKSNIQPMALTLRLRADNPLRSMEELEMCLSEVFVLLN
REVDLYRSAGFPEFSVRICQRLRKYSKETRNGRWRAYAKGCIELCERNSTYVMNERANG
TILTDIAPKDVQLEVLRPQSAPSMGQRFKQSLEKEKRLEAASKPVQSRKTKENDVAKGT
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>comp9788_c0_seq1; 670 582 1944 LEN=1944; minus strand; translated
MKSFLFGRKKGSKAKEESGKGFYKGF PDTGIPSSDTGIGASGELQLAKTGTGGENSCDNY
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MPQGA IAGVADPLSLSGGTSPSASSGANSNAHSISYVTQTPHEGYVEGCEDDLSTLGDES
IIRRRQRNRQKQELKERQLKHQEELLLKQKSDLQDISKTRTASTQDMGTSPQSSGLSF
SFTNVMDVHEKIPISSRLGDDIIEENRLHRDKDVLDLVIGEGPGGDDDDTLLSKRRNES
CCRRHKWTIIRVMIFLGF FMLISAAVVLVLSILQMKNNAIANSSDASYVDNDGNGGEF
FNKPIFVMPDPSDSSLPDGIGDTFIVTSLSPVLP IAPETA VPEPVTGKMDAEDADDDTTTP
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>comp9790_c0_seq1; 331 152 1153 LEN=1545; translated
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KDTFSSTEF LDSWQSEKVRFDQQNGSLVFLDLGGRRLLHKGLPCDPRVFEAFRSLRTL SLA
GTDLPK DILAIVARVAGSIESLYLGGNLRNIGAEIAASNLLRNGNGKLT KLDLRFNE
INSAGMIAICNAMIGDGNEEQTSDETTSTSNLQYLYMEGNAIGDEGCKALAKTMSSASSS
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>comp9792_c0_seq1; 143 1 461 LEN=461; minus strand; translated
XLLSINDLRCDLLASKNFLGDRFGTRHQMDRGIAFLDAVSVDAL IATSTFTADILRFMSN
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RLVFLSDNQSHSFVLAVVILFVVFVILFVVFVFLFAX
>comp9793_c0_seq1; 146 303 422 LEN=462; translated
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>comp9793_c0_seq2; 229 404 1534 LEN=1574; translated
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ERGF DVTKSGDTRIGLVGFPSVGKSTLLTSLTGTTRSEAAAAYEFTTLTCIPGTMKYKGARI
QVLDLPGIIEGAAGGRGRGRQVISTARTCNLILIVLDSGKPVTHKKIIEQELFGFGIRIN
QVPPKVKLVKKEQGGIGYQEAVPQTKGMNAEVCRLICKEYKISCAEVILREDITTDQFIDV
VEGNRSYIPVLYVFNKIDAITIEELDILDQMPNYVPIS SQHKWNLEELMEEVWHRCSMI
RIYTKPQGQTPDYDGPVILHSKNPTVEEFCNRLHKGIMANFN YAWVWGRSAKHQPQRCGK
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>comp9793_c0_seq3; 263 155 1282 LEN=1322; translated
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VLDLPGIIEGAAGGRGRGRQVISTARTCNLILIVLDSGKPVTHKKIIEQELFGFGIRINQ
VPPKVKLVKKEQGGIGYQEAVPQTKGMNAEVCRLICKEYKISCAEVILREDITTDQFIDV
VEGNRSYIPVLYVFNKIDAITIEELDILDQMPNYVPIS SQHKWNLEELMEEVWHRCSMIR
IYTKPQGQTPDYDGPVILHSKNPTVEEFCNRLHKGIMANFN YAWVWGRSAKHQPQRCGK
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>comp9794_c0_seq1; 223 81 515 LEN=752; translated
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KGMILAEFTPELSEEQVRNFVL
>comp9797_c0_seq1; 589 251 2925 LEN=3283; translated
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IVCRCRSSSTPFPKARDNLNVWDKQFPCDTELLSNIDASWSPEVSETITPQKNRRTS
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GLIDTDQKIFHGVPLFLSTLSQVRITKVSANPLGAHVLMISKEALLFTYGLNHRGQLGIG
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PLAQNERENSNCIVSVSAGAFXRLALSDDGNVFSWGINSNERLGLGAFDYSSIAPSLSEK
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>comp9798_c0_seq1; 889 124 2739 LEN=3244; translated
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KRRKKKKAKKQDKTKELSKQDRKRRRLTEESRNGTAPTKSYHHVHPDYPYHYTDMVSDKP
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VKRTRQGTKNLMTNQDKHRILEAARRRIPERVDPKQKIKRSVQNNIYRRIEDYFYQDNGI
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QAGKQTSRRKKGDLFSPVDDRDALLSRDYHEDDPDFQSQVAAHDAEFDKYVAKKKF
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DREGSNDDEASTNEDENENEGNEDTDGTTPEQDASSASSTQQKLTHSVSSTSAIDISEA
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>comp9798_c0_seq2; 783 32 1279 LEN=1784; translated
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KMHISIPGKTSSGGRKSKSSSSGGGGRNRGGGPFLLRKPPPAGAEQATASAQPPRPQAAPL
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>comp9799_c1_seq1; 248 257 1184 LEN=1184; translated
MIYPRIPDKHPALDNNTEDEQLRLNGSTAFSNKLLQLGDFMYGQYTI FAPSDKLLNDE
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TSDQEGGLGT
>comp9799_c1_seq2; 303 1 1008 LEN=1008; translated
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QPSGSHSRCNKAMP MIDQEGDPEKTVTLCRGDDIIYQLGPGNHLYDSKAGSLVSMSSGRS
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>comp9800_c0_seq1; 983 290 2284 LEN=2597; translated
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SESVGRFLDMSPEKLEGT SFWDLICQDSVRLKKA AFMDSLAAAREADSDMAVLGSGVWELR
LKNKDEQYMLVTLNGVVHFKGDAPECVCSIRPLGEYDQQQDEQEHSASSKQPKSIGSD
KDKADGGTSENKSMNRAVSCSDGDASRSSDGSNGTQQSVLNGRHAHAHAHAHGHGRSMS
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GLSD

>comp9800_c0_seq2; 295 290 1066 LEN=1444; translated
MKGNQGLEALALCGGRQPTTATTNANPATHTETPSAVHSTAAAANEPSSSDSAATAGSST
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SQAILAAATSQSGRLDPVLTQSILYPSGLRGPAGNADPAPPAPVSPAPTAPANTGSVFAN
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>comp9803_c0_seq1; 270 395 1444 LEN=1444; minus strand; translated
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FSGFLRTCFTLETLTGMSILPEQSKKKDKAKSKPAKNESKKKKKASSEDGVKTKKPSK
KKGAAASKSSAATQKHLSTSISNPNYRIQKELKSFIKSPPNLSVQVGTNIRIWIIVTL
KGAKDTIYEGEVFKLRVEFPKDYPTVPPSVYFLKHKMPVHEHVYTNNGDICLSLLGN
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>comp9804_c0_seq1; 323 217 666 LEN=1104; translated
MLEVSTSAVAWISVVIVQFLIHYFIFGARRERLRQETEAFLEENLSFSTNDCSMDSDLD
QISYPDTPTSAPSFASISSLSLLQEVNVTDATSENIPSLWTKRNFETTSSD TD DENTP
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>comp9806_c0_seq1; 311 1422 2111 LEN=4076; translated
MATNTNTNTYKQYVTLSEKALRKSRLDTRSLVRLAYGDDTAHIGGSDMLEGILNGVLD
KISNETVLEELDRYGTTSRIVVDEGEQSQQQPQSTNSTSNDEQINRSRMMTPKERLDRID
SVISDVVEWEGRRDRREELDAESARESLDRNLLPEGVSMQVIAHREFEELRAKKLLLEG
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>comp9807_c0_seq1; 533 1 2277 LEN=2645; translated
ESMREYFLLGSHILRTIAKTVSWGMIGHPTMGTIQLITVWFIGIAATSVVNVAARFPGLG
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IAALLQRNGYRTGISGKWHLTEDDRGRYNYERIQEEVRNCGFDFAEAIYKENMDGNWNGD
AGHNMEHV TSEAIKFIESAVVEDEKPF FLYFNPTVPHPSSDVIEDLESADCRETIGGTL
S
QPPV I PYGMTANFGNCRAYRQSVLARGGND SYLAGAVWDDAVGSLIQTLESLDILENT
FILFQMDHGQQKGNLYEIGSR I AQFIHYPDRI TAGSTFDNVVSTIDVAPTIADVAGVSFD
AYPMDGKSWMSDEVNDRCIFVELQFDRSVRCGCYKFISIANLNDGRHMINADSIGASVD
FNYYNLCNEETGEYIKAPEITSEWRSTITNEAIRNGLQEKLICHMSRTDPTRDPDYSNN
ECDESMVLPETTLRPTLRPTSPPIPTNNLPTSPWGDSIYQQPVTTSPTNKPTKIPTNNPT
PRPSP LPSVRPV TDEPTNSLIDSFDEESL NITDIEAFIEYLEDCSDDQNYLYNEIDGQNC
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NERCDRVRNDFNGTTLVVDHYCPESC GCY CSTE S P Q K

>comp9808_c0_seq2; 871 1 1824 LEN=1945; translated
RAYVSGLILKSFAELAARDNAEPEPPVGASEDLRDATGKREPAAICRSVDTL FANLGDGK
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KAA
FALITAKIQVTSSELVTKDQRFVILRNTGDKGQONQWENMDRNDLAEFAAIFVFEVYLEK
RIYDETS LGNNVHAGTPVTPVSTQAAMKDLLSPSDANKP SDVPIPHPTTHDVLFG
RGGMT
NGHAGNRRFRDIIALHRPDYVRATKMDKPNVARKIVRAIRQGNPPGRFLRKGT
DNMWRDV
GDKIAAEKTSQGLRERSNAEKQRORSAMRESLRIGQRDSLGGESADGTPGGK
KLLDAAA
AIAMGMGGALNGNIVPITLSAKKSAGAKRKQKGINGTEDEASTESLPPNAVDRD
GNIIVTDH
DILCGRGGLTNHHKGNKRFRDIVALHRPDYVRAPKIQKPSVARVIVRAIRNGD
PPGRFLK
KDATTGKWFDIGDKAAEKT SQALREKSDEEKEGKVP PGFTSPTLHIVPTATA
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V
DATLTDAAVQAAVAATQAKLGTDTGAEAAIAFAAAAKSEETKGEESKGLAVKQED
VETAN
ESHVEV

>comp9808_c0_seq3; 615 89 1198 LEN=1319; translated
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KLLDAA
AIAMGMGGALNGNIVPITLSAKKSAGAKRKQKGINGTEDEASTESLPPNAVDRD
GNIIVT
DHDILCGRGGLTNHHKGNKRFRDIVALHRPDYVRAPKIQKPSVARVIVRAIRNGD
PPGRF
LKKDATTGKWFDIGDKAAEKT SQALREKSDEEKEGKVP PGFTSPTLHIVPTATA
AAAAAT
NVDATLTDAAVQAAVAATQAKLGTDTGAEAAIAFAAAAKSEETKGEESKGLAVKQ
EDVETAN
ESHVEV

>comp9808_c0_seq4; 662 89 1339 LEN=1460; translated
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KLLDAA
AIAMGMGGALNGNIVPITLSAKKSAGAKRKQKGINGTEDEASTESLPPNAVDRD
GNIIVT

DHGTFAKKGKPKQRDAIASTSVYQNFSDHGFAGLLCIIFFFFGKTVHLLDILCGRGGLTN
HHKGNKFRDIVALHRPDYVRAPKIQKPSVARVIVRAIRNGDPPGRFLKKDATTGKWFDI
GDKKAAEKTSQALREKSDEEKEGKVPFGFTSPTLHIVPTATAAAAATNVDATLTDAAVQA
AVAATQAKLGTDTGAEAAIAFAAAAKSEETKGEESKGLAVKQEDVETANESHVEV
>comp9808_c0_seq5; 918 1 1965 LEN=2086; translated
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FALITAKIQVTSSELVTKDQRFVILRNTGDKGQWENMDRNDLAEFAAIFVFEVYLEK
RIYDETSLGNNVHAGTPVTPVSTQAAMKDLLSPDANKPSDVP I PHPTTHDVLFRGGMT
NGHAGNRRFRDIIALHRPDYVRATKMDKPNVARKIVRAIRQGNPPGRFLRKGTDNMWRDV
GDKIAAEKTSQGLRERSNAEKQRORSAMRESLRIGQRDSLGGESADGTPGGKLLKLDAAAI
AMGMGALNGNIVPITLSAKKSAGAKRQKQKINGTEDEASTESLPPNAVDRDGNIIIVTDH
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KGNKFRDIVALHRPDYVRAPKIQKPSVARVIVRAIRNGDPPGRFLKKDATTGKWFDIGD
KAAAEKTSQALREKSDEEKEGKVPFGFTSPTLHIVPTATAAAAATNVDATLTDAAVQAAV
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>comp9809_c0_seq1; 450 196 1410 LEN=1683; translated
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IIYGTPTDDDLRMFGVVIRSNCITVTRKLCQLIRLLELEDDLEEEEAEGAEDGMTPEE
AFELLVSHLIEGTAPPLTPIDLSNDWVGHLAGLGPNNDAQMFLQIWKPIKTLWQSNLM
REVWQKRSIVNIIIDGHKEFLDSVDRIASPSFKPTQQDLLLARVKTQVNMERYRIDGIDF
EMYDVGQRSEERRKWIDCFDSVDAVIFVAALSEYDQNLAESKRTRNMVEALELFRSICNN
RAFANTSVLLFLNKRDI FEEKLQYSDIAAQKPFADYAGPPNDFNNGVIYFIEKFKECLIN
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>comp9809_c0_seq2; 422 196 1344 LEN=1383; translated
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AFELLVSHLIEGTAPPLTPIDLSNDWVGHLAGLGPNNDAQMFLQIWKPIKTLWQSNLM
REVWQKRSIVNIIIDGHKEFLDSVDRIASPSFKPTQQDLLLARVKTQVNMERYRIDGIDF
EMYDVGQRSEERRKWIDCFDSVDAVIFVAALSEYDQNLAESKRTRNMVEALELFRSICNN
RAFANTSVLLFLNKRDI FEEKLQYSDIAAQKPFADYAGPPNDFNNGVIYFIEKFKECLIN
DEMTDSFIQACTATDTTNSKYR
>comp9810_c0_seq1; 193 96 356 LEN=646; translated
MQIFIKTLTGRKQAMNFEPEPENVIAVKQSLQEKEGIQVDQIRLIHSGKQLADDKTLESYN
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>comp9812_c0_seq1; 507 1 1370 LEN=1761; translated
RITTDHLKGVGREYHPSLSTTNGTNALLQLSMKSVVERTDPRDQFDQCKGTNLKHFGLX
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LSGVTLTGIGAILLPTNPANAARAKGAAELDFEYIRDVNGNKKEGSISPSTNGPPVPP
PRTLKGSIIPLLLNKECSPDCIPVQALIEEIEKQDKVAGRTPASKEAIAKDIQYRVNSIR
EKTSRSFLTAKAPWNEEIESDQYYFDFAYALWKTAEMIDDVQNRDRFMRNIGRLLVDKL
ESEGILTSSASRQQQLSKNNGVLVSIPLVMELLNVFKTSGYCKNFRIRSSDNADAMGDD
LPLFDELDDSELSMVGTSNCLVSI FEPAVLGASLQINGENS RFAPDFIGTSLAAIWEKYG
GIRSTWVDFVDPEYRPNPKDYFPNEQLLQITLNS
>comp9813_c0_seq1; 360 16 801 LEN=917; translated
MPPLNQNYVVDDL FVNHTVPTTTDGDQSAFYGKEPTIDDLTRQFTDYSEEKKSVSFHPRV
QVASIPNRCDWSQGERAARWNSRDDYTRFQIDVLTNTVYLLRNDPESIDDTSHTRVGAECR
DPIATRRRRHTRREAQDVVFERQHIQRQVYDDPNRFVHLVASMYFQASKTSMRLALDAAS
QDEIDANKIRQEDKIRQEKLQKQKDVDFLDKDWASVFSIDKDNFLGSPPEYSFVDDDEC
GFCILGETSDFDNSWLRAEII
>comp9814_c0_seq1; 467 1 905 LEN=1126; translated
XPKNQNHSEQRQHQHSTTRVNLMKMMFYTNRRDSYPYASLHPYGRHTSRHLDPYEQAIAE
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EPNIEESDSEDEDDNDEPEFVIVRGPDRGLYYAKNSSSRTQQSKKQONKKEVPQKKS
NKKATKEIPETSAYLSEDDQSSDEESSDESSYDQEDDCFSELKQKLIKNTGSRKENG
SSQTSQNPRKGAKTQKQKRRRLTIIVEDASESENEDDYKSPWRNRRPSPGEWMEPVEMY
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>comp9815_c0_seq1; 275 378 1405 LEN=1447; translated
MANQLYHLFVIFILGFGAGILTLHLQLLTQELEADKAYERSIEATTQHKEVNVDPYPLPPC
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RDLLDKIDIFALPLPDLSGKELIPHSNKIRALQAGALIYGKDTNECTVALDGDYIHPNA
PWTKLLSTLELYEISVSHDCDVAIEGVPEFLGXVDAKYGGFGTPKHPAGKDDPGGLAGSF
CALQRNTRGVVHTRDRSVLFPACGKTRRKTMETGQQLLELPVDPNRNKCQHYGVSGPLSN
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>comp9816_c0_seq1; 204 292 936 LEN=1002; translated
MKVREIEMILAEMGAIDPENPQESLVNLRVVQVDLPEIQEVNTEGVAKKALLAAQLAGG
PSLIEDTSLEFHALGGMPGPYIKWFQERLQSVGLWRILTAYEDKSATAVCTLAFSPAPHA
DPVLFRTGKVDGTIVEPVEGRGFWDSEIFVPEEENQPFSCLESTERKNELSHRGDAVRQWVN
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>comp9817_c0_seq1; 1036 1 4333 LEN=4386; translated
XIFLNYDCDL SAVDLFHRIINTLSRVARTTDAETS DLGATAMTSIISSSGGARMERLRTQ
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ASAGASGSDPKKSLVEIYDDKKRREEDSETVLRFNQKPKAGIAYATKCGHIDSSDPADV
ARFLHKNKDRFEKTQIGEYLGREPDIYDNGMPLKVLHEVYVHQMDFDGLTFD NAIRYYLSGF
RLPGEAQKIDRILEKFAERYSEQNPDAFAPSADVAFILSFSIIMLNTDLHNPSIKEERKMT
KDGFI RNNRGICDQDLPKEMLIDIFDRIKENQISLKEDDDARERAADSATTNALNPAA
FFTNYHDEVDKTKESNFIKERDQIVRTTESLLKRRRHGTDAGKPGTRRRGRSNHTGKPSHP
KYVRTDDSGLRDEYVAPMFEVTVWGPALAAFASTAMESANGTVGALLAIATDKELEAAAINA
AETIEVCLTGFRFAICTAGLVGNDIARES FVFALS RFSQLGTGVLL EPRHVC IQTMLAI
ARSDGELLGASWEHVFKALSEINRFHQFLQLMARNDRVARAAERRQTRLVAKEKRREAK
ELRRAKKEESDLSGDASMANSGDSSDSSDSSFDSSSLFDASDDL SLNDDMDTKEIDEANAR
TVYEAVAEDIIEAIYERSSSLSTA AVKEFILQLCRVSRMEISDYGGFVAGDSNEVSLTSV
QYRKKHDL LVHSAPKEKEGFFHHHQTNIYNLQKLV E VTHYNMDSRPRLVFNELWTTVSASL
TSTALHSNPAVAMYAVDSFRQLCIQYLQREELGVFEFQRRFLKPLETVMARSEISTTKEL
LLRCVERIILMFGSPQEGNDGGKLRSGWRPVLKVLG LAGRDSDEEIAKVGFEMLNTQITV
CLDQCKEDGEKTAGQGVLLIERFVDLVDALLIYVGGPHEEMGLQSIDDLKLCDFLADES
TVSPLLKRRGVASNGEAI AENSEKTSNEEELW WPILLGLSR SVGDERKKIRQKSLES
LTKIVSRHFFPSVENQESLDENSKSKYVQTLQLVYRGIFSPVLEFGDES AFNAKTPTLPS
DMERFLSAKHGPGESQKLDENHSSSWIDTTFDPFMDDCVHICIRSLKVFD DDTLIEDIFA
MFNSCFISESGALAAKGLRRLIEFVTSDLPTSSLSNEIWATVSHMLRRLSHVRGLPKRSA
VAGSKTTEETSKEAPQHKGDDTEVSNPELEQQEMLREFVAEDKMF LDRRFIGSNAIAVIG
KFMETERFKKSLSLKWRLFLLSGLGRAIKDWEMAAGITENNLGKTNDPNRLNPPSYRETA
YYGRKWMNRFLQLQIAAMKEIEGTAVEGSKQAAAQDAVKEQTEALVSAFLEKETVINNDAK
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ERLH

>comp9818_c0_seq1; 383 302 799 LEN=1076; translated
MAVSMKSSPAVLLASALLLCLLAARGTEGFATGPVAGTRGTASQTRLSAEQPGGNNNNKG
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YMVNSGGNYKWITDENGQLRPVSRMKNKSLEKPLEFWGRKDKNEE

>comp9819_c0_seq1; 390 31 789 LEN=1059; translated
MKTTASILLATVATAAAFTSPSTQSASTQLQSAQSDLEALAVDLNPSIKYYDPLRLTTWN
FWEQGDEATIGFLRHAIEIKHGRVMAAFVGYCVQSNFHWPWAMKLDGTAFPSTDLSPPEQ
WAALPIESKHQILTVIGFLEIYSELASSVTD PDVYQPHYMKGGKPGAYPKFGAAVPHVP
FNLYDPFGWSKNRSEEAARGLVAEINNGRLAMLGIFGFLL EQTLPGSIPLLGDIVKPYS
GDLIAGKAFTFY

>comp9820_c0_seq1; 237 52 441 LEN=572; translated
MVAKLPE TNNKVFD SAEKQHELSPKQLKRLEEQKAREAKKLAKRKAKAEQREL RAMEKE
FKEAERERLEQEREENSGLNAREMEEQERLAE EKRLFEEYLHRDRVLPVAHVKKSTLES
NRLGGSHMC

>comp9821_c0_seq1; 1393 126 3347 LEN=3440; translated
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EKFVMVIPPVNTGSLHLGHGLTAAVEDTLTRWHRMKGHSTLYVPGTDHAGIATQSVVEK
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VIEAFNRFHEKGMLYRANRLGNWSCALKSAISDIEVDHIDLEGRTFLEVKTHKGNPKDPK
GRYEFGLVTHFAYPVEDSEEFVAVATTRLETMLGDTAVAIHPEDSRYTHLHGK FVIHPFS
GRKIPIVLDPVLVDMSFGTGAVKITPAHDPNDYECGRHDLEFITVLTDPGAINHHGGEE
FEGMMRYDARIAIEEALDKKGLLKGKEPNKMRLGLCSRSGDILEPMITPQWYVNCDDMAK
RSTDAVRNGELKIIPAEHEKTWFQWLDNIRDWCVSRQLWWGHQIPAWFATTKAEGETISK
NDMANNDRWIVARSEEDAKQKALAKLGCTEEELVLERDEVDLDTWFS SGLFPFVSMGWPD

NTDDMKAFYPTSLLETGLDIIFFVARMVMMGLELTDTLPFHTVFLHAMVRDKEGRKMSK
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LLAYTVQKGDINLDVKKRVVGYRNFCKNMWNSTRFALMYLNDFQPTPTLLDDLMSGKMAI
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>comp9822_c0_seq2; 229 399 1604 LEN=2804; translated
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>comp9823_c0_seq2; 410 746 2272 LEN=3138; translated
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>comp9825_c0_seq1; 464 1 453 LEN=1226; translated
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>comp9825_c0_seq2; 315 210 1601 LEN=1770; translated
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>comp9825_c0_seq3; 294 228 677 LEN=739; translated
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>comp9825_c0_seq4; 932 169 2193 LEN=2255; translated
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>comp9826_c0_seq1; 191 25 414 LEN=581; translated
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>comp9827_c0_seq1; 1003 631 3443 LEN=3941; translated
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>comp9827_c0_seq2; 1024 631 3686 LEN=3841; translated
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>comp9828_c0_seq1; 489 1 2039 LEN=2158; translated
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DIIAKTKMGFATIKSPSPFLRAHFLWMADFLNNSITRLHFQKLKSAGSPTIAAVRF
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>comp9829_c0_seq1; 766 1 2123 LEN=2240; translated
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LEN=368; translated MDALTKNLANLGTGLKDGATELAEKHDLEGKVAPLVEKAEQ
FAADHEE >comp9831_c0_seq1; 172 1 952 LEN=952; translated
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1 832 LEN=832; translated PVAASAAADLSDLLRAMTTTTIEPTGKGAAPGV
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DRIVVGVTQLVTKTKTAKDTKGE GAVAAAAAASSGHIGSWVYCQASQSEVDPKQVD
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LEN=1658; translated MARNKSGSKGGFSSQVTVMICFALLCQAIWNRPTALEGL
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>comp9833_c0_seq1; 605 138 1934 LEN=2640; translated MIAYYLLFLG
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RKHCDIEELGV LKWL MYGVSANQPSWFSKLF CMP CGSSKTSMVFP EHPASAM
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>comp9835_c0_seq1; 411 100 1895 LEN=2097; translated
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>comp9837_c0_seq2; 1649 170 4957 LEN=5131; translated
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>comp9841_c0_seq1; 722 576 2680 LEN=3221; translated

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>comp9841_c0_seq2; 722 362 2466 LEN=3007; translated

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>comp9841_c0_seq3; 733 576 2573 LEN=3114; translated

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>comp9841_c0_seq4; 760 576 2491 LEN=3032; translated

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>comp9841_c0_seq5; 733 362 2359 LEN=2900; translated
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>comp9841_c0_seq6; 771 576 2384 LEN=2925; translated
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>comp9841_c0_seq7; 771 362 2170 LEN=2711; translated
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>comp9841_c0_seq8; 760 362 2277 LEN=2818; translated
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>comp9843_c0_seq1; 285 255 2156 LEN=2397; translated
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>comp9843_c0_seq2; 285 238 2139 LEN=2380; translated
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>comp9843_c0_seq3; 198 238 1182 LEN=2514; translated
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>comp9843_c0_seq4; 198 255 1199 LEN=2531; translated
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V T DDTCDGKETKNSTNIARVEDNAFSEFEDTHDVTTATSLESNDEYLQDDNFRKES
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>comp9845_c0_seq2; 870 307 3446 LEN=3755; translated
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>comp9845_c0_seq4; 1004 307 3348 LEN=3657; translated
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>comp9846_c0_seq1; 1189 193 5121 LEN=5257; translated
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VVTVSVLVYGEATLLWGLSDASFFTIIIVLMCVVGMMEGVQIALFGMSNISERDLASHKM
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KRVLYGQPDVYLEDAPKEGPKPVTRRDKDVDVTSTVIRYILSSALLCIAIYVTVSLIFM
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LGQLPAQVNAASCMLDFINSYFMLYFVTYVSMALIELSGLLHCVYLVQMVFSNISGTEIQT
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>comp9848_c0_seq1; 124 360 819 LEN=819; translated
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>comp9848_c0_seq2; 729 360 3259 LEN=3355; translated
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PPVVF GKARTGLVRAAF SERKTVNCKELNAFIAIPAVPSKYLRWLRQRRRAATKEIRNMLL
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>comp9848_c0_seq3; 383 360 2012 LEN=2122; translated
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VDTYDGQVIVVDNKPTYEIGNYLGGGVAGVVYEGHRLRPKEEYPVRTGISPQKHRPSKTV
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VAIKILNPVGYRILQADALKNCVVVRQGPMDAGVQKGEKPMEEKHVWVWLVNPNRSRLIT
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PPVVFVKART

>comp9849_c0_seq1; 187 153 440 LEN=440; translated
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>comp9850_c0_seq1; 257 182 1486 LEN=1617; translated
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FRLNAHFLVLLALGSTLYAMETGEHPAILRNSVTSAPGTTASAIYELEKGGRLPLVNDAI
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>comp9850_c0_seq2; 202 182 814 LEN=1730; translated
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>comp9850_c0_seq3; 338 182 1321 LEN=1452; translated
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FPSLESDSDKGGSGFRVRKDATLLSILAGTPVKDFAPSGISKIVRGMPNTPSMIGGMTV
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>comp9850_c0_seq4; 295 182 1434 LEN=1565; translated
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FPSLESDSDKGGSGFRVRKDATLLSILAGTPVKDFAPSGISKIVRGWVIENAATIPCSLV
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GKAIYVDDEKFVDMSTSISSGSPAYIFMLMEAMIDSGVHMGFSRETATTLVHHTLLGSTL
YAMETGEHPAILRNSVTSAPGTTASAIYELEKGGRLPLVNDAIWACYRRSLEMGGHNSV
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>comp9851_c0_seq1; 412 477 2861 LEN=3095; translated
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NNELDTIECSSGHPGSIRHSEKRSLSSTTTPMSMSSLTSSSHSGSNTNADPPDATIISK
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PAGGSSLARSTAI STNASLLVIKQIRKDLYPKKRIEAAKDLAREAKLLARLQLLYCTEQR
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PFSQVVGEDASLEGVMYTATTTPVSSPLESLVLLGERVLALFDVAEGMRYLHKHKIVFR
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FLSAAEICDTKNVVRPRPPMRFDPLKGSVGMPLKLRVLMQKCWHEDPNQRPEFVLSHLL
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>comp9852_c0_seq1; 238 521 1087 LEN=2049; translated
MPFELARNAHTDWEKGGFLLLGTYYGICLQIVVLAIFDLYNDAAIKLHWSWTVTNA
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RRPGSKQE

>comp9854_c0_seq1; 220 215 991 LEN=1237; translated
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RQKQCLLAYHHHRTEILKAIERSRMAANEEAPVGGPGASSHAGEAAFARDYAALRRAYS
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DFLRQGIVELCDGEEVDF

>comp9856_c0_seq1; 587 195 2006 LEN=2449; translated
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GVEFGRWGGYSENNIRNLNETTKECEPMTALALRDMQNILDELVPPCSISPMNDEDEAHN
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IFRRQLYMSDLTALELKYFRDGNQCQVLP SRDRIGRRVVFVFIGRHDASTYEEYSSAFRLLV
FLLWTILAEDVTTQVKGAVVLVFP TFEEPSMAKNSAKKMNQIITTI PVRY SALHFCIPNS
PVFNLCRSLCLMLIGPEGRRVCRVHTGSPVEVDYVLSYGINVKDIPRTYTFMVTKNWA
RFAKVRTAIDNFRKKT DNEAAGLEGKNEESIEEVCGVECPEVNCILFGNKAMAWDHPGNI
EFRDLIEEKELERELHPRKFLKGDYNDYIIIEEGLRNFVMEYDKKNLWYTEIVDDDVL
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TVK

>comp9857_c0_seq1; 284 534 1286 LEN=1324; translated
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LSNNLGIWRVVLGWDLV PRLPEFFHHVGHGTIQIDVKTGESKTYEYHYGNVERGYAGVPNG
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QDETQFIDTY

>comp9857_c0_seq2; 181 1 476 LEN=514; translated
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WAKHFYPVHSNVYDDDDDDINPLDDWPGQDETQFIDTY

>comp9858_c0_seq1; 516 316 1320 LEN=1868; translated
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GAMPVGEESNESVSSDELITPTDIATQDSPQELFTESLEKTPNPAAYNPTAVSTTGR
IIFLTALPKFEDPSAKQTGSGLLFSKQEDEYSTKDSNKNKHVSNSVSI SRTSNKKRRK
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>comp9859_c0_seq1; 1059 205 3285 LEN=4161; translated
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KGPCGSCWAEGTAILLTVLLVLLTASIDYAKQFAFORLARS LFESNTKQVIRNGKQMTV
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GIVAACFSFVVS CIIIGLVEKDPVRNLLDYLVTAITVLAVAVPEGLPLAVTSLAFSSRR
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VKENISDERILETIGKVISIDTMNETNLELDQNGAVEGSSGNPTEAALLV FVHDLGFNYD
QIRNSTRGRSSCGEEAAYLSDGKLYGFSGRKMMSWAVPLDNGRYRIYTKGAQEVILSR
NQYISAENQIKELKPEDTDFMRYSQIYARRGMRTIALAYGDL PAGTDLEAISSTIKNPD
GSDAFEAEATNLVAVGLVGI EDPLRHEVPDAIETCYNAGIDVRMVTGDNPSTAAS IAYQAG
ILRDFHFQEGTKERVASNLKDNVLM TGDVFRMVYRIVTDENGGPCKQEFDQAADFKIWP
FLRVLARSSPDDKLT LAHGLNQSTVFTNEALCCKLKKESNITIFPDRQVIAMTGDGTNDA
PALKRADIGFAMGISGTQIAKDAADIILLDDNFASIVTAAKWGRNIYASLQKFLQFQLTV
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MITNHMW

>comp9859_c0_seq2; 1079 205 3891 LEN=4145; translated
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GIVAACFSFVVSCEVKKRIYKLFRALRITHNITFDIPFNLFRRLLXLGVEKDPVRNLLDY
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DQNGAVEGSSGNPTEAALLVVFVHDLGFNYDQIRNSTRGRSSCGEEAAYLSDGKLYGFSSG
RKMMSWAVPLDNGRYRIYTKGAQEVILSRCNQYISAENQIKELKPEDTDEFMRYSQIYAR
RGMRTIALAYGDLPGTDLEAISSTIKNPDGSDAFEAEETNLVAVGLVGIEDPLRHEVPDA
IETCYNAGIDVRMVTGDNPSTAASIAQAGILRDFHFQEGTKERVASNLKDNVLMTGDFV
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LMDSLASLALASEPPVEELLKPPVNRTRHMITNHMWANMLGQASYQICVVMTLLFAGPE
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>comp9859_c0_seq3; 1185 205 3801 LEN=4055; translated
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GIVAACFSFVVSCEVKKRIYKLFRALRITHNITFDIPFNLFRRLLXLGVEKDPVRNLLDY
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RGMRTIALAYGDLPGTDLEAISSTIKNPDGSDAFEAEETNLVAVGLVGIEDPLRHEVPDA
IETCYNAGIDVRMVTGDNPSTAASIAQAGILRDFHFQEGTKERVASNLKDNVLMTGDFV
RRMVYRIVTDENGGPCKQEFDQAAFDKIWPFLRVLARSSPDDKLTLAHGLNQSTVFTNEA
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LMDSLASLALASEPPVEELLKPPVNRTRHMITNHMWANMLGQASYQICVVMTLLFAGPE
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>comp9859_c0_seq4; 953 205 3375 LEN=4251; translated
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RGMRTIALAYGDLPGTDLEAISSTIKNPDGSDAFEAEETNLVAVGLVGIEDPLRHEVPDA
IETCYNAGIDVRMVTGDNPSTAASIAQAGILRDFHFQEGTKERVASNLKDNVLMTGDFV
RRMVYRIVTDENGGPCKQEFDQAAFDKIWPFLRVLARSSPDDKLTLAHGLNQSTVFTNEA
LCKKLLKESNITIFPDRQVIAMTGDGTNDAPALKRADIGFAMGISGTQIAKDAADIILLD
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>comp9860_c0_seq1; 190 88 1101 LEN=2076; translated
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AKLPEHDESMAEKVAKVEETGGRLHYAAKVNVAENKVEVGLLSCEASHPFNNAGPDNMVA
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>comp9860_c0_seq2; 159 88 1281 LEN=2256; translated
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>comp9861_c0_seq1; 297 209 1042 LEN=1283; translated
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SPGLVTPSLIPSLSENTENTTRCQSLVTNHGQKDDYTFCSMDDSINQEMNVLKEVATELEK
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FHVHLMFEVSEFEGGSMNIKVLAVAIASFSLIRNWILGW
>comp9863_c0_seq1; 337 1 1589 LEN=1892; translated
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LVKSYEETNEATKLKAEEDARKNRECHRQIEKLESILAREMMADKRSPEVENELQGLSS
SLADATRELMGLRKVVVEEQKHEKEEFVDNLRMLKQDTTLHERCTKQEQLENAEKLREQ
LLRNLLQKDDGNTIQVANDICQISDNNMARTEKLLSSVSLTRSRYAIEDHAEPGILPSD
NQYQNADDLASDTPNPSRTAAWQAEPEKDHGDDISAITENSYLQPPGDR
>comp9864_c0_seq1; 211 296 844 LEN=1328; translated
MAIQSVASSLFFSALLLADANAFGVRHITERPATSLNLLPDQGSQLVAAYNALSESQRTE
MARAPISVEKEVEARAVPGSTESEKPHRTWGAGTISASKSLLSRIFQGPSVKHPLEHKD
VCYYPMVGFRFIKGVNAALPTKSTASCAMPTKSQKEEEVYGWYSSSCKLDFSEDVCHNP
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>comp9866_c0_seq1; 267 120 1109 LEN=1244; translated
MDLSPQMFRDIPKLVKYHYKEGNFNWPMIYVSLVHAAALAGVARLTQCSTQTLMWAFIL
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ADPHDATRGGFFYAHVGLIVKVKDPAVVKAGREMDFSDDLADPLVKWQKLPWFPLYMCF
VMPAQVAARYWGEDFWNAFFVAGALRYAVVLHFTWCVNSAAHLYGDHPYDVLSPYPAENPF
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GRARRIRSDAGVPLPVAPPRPWEVKKMD
>comp9867_c0_seq1; 1282 65 2038 LEN=2087; translated
MYFAKLAVAALALLASPYTARAEEMMGTVIGIDLGTYSVGVFKNGRVEI IANDQGN
RITPSYVAFLDNTERLVGDAKNQATINPENTVFDVKRLIGRKFSDKSVQADKLVPEYI
VSDKDKPMIQVTVGGKSKYAPEEVSAMILQKMKSTAETFLGKDIKNAVVTVPAYFNDAQ
RQATKDAGTISGMKVERINEPTAAAIAYGMDKTGGESNVLVFDLGGGTFDVTLLTIDSG
VFEVLATNGDTHLGGEDFDQRMQYFIKMMKKSDIDISGDKRALQKLRKEVERVKRALS
SQQARLEIEELADGYDLSETLTRARFEELNNDLFKKTMGPVSRVMEADLADLSEIDEIV
LVGGSTRIPKVQQLISEYFGGKDPKSGINPDEAVAYGAAVQGGILSGEGGDATSEI LLLD
VTPLSQGIETVGGVMTKLINRGTIIPTKKSQTFSTHQNQSVVMIQVYEGERSMTKDCHN
LGKFEELTGIPAPRGVPQIEVTFEVDANGILQVSAEDKGTGKAEKITITA EKGRLSDEEIE
ERMVKEAEDYAEEDKKIKERIDARNGLESYLYNLKNTLEDEKGVADNISAEDKKELQDM
LDEITLDWMDENPEADKEDYDEKMKVEVEQVANPIMRNVYAGSGGGADEDAGDFGDDEL
>comp9868_c0_seq1; 444 1 1728 LEN=1805; translated
VLSSAWRIQLSSGPTSATSENKEITTIQYHKATKHHAITFFQRIQHLRTSLLINSK KKKKT
IAMNTPATTVAVCLSSVLLFALLEPALGFSSAPPCVSTQKNYVGRIGAGSNNIVTPRMQ
NNVALFSASAADNTEATAAIPSDPAKTTSQFLAGLWRLIAKGNKLVGRGESETTLFPDMVEQ
MAQPRFLNLVTAHLDSCKDVCDFFGISTTLVPFVEDGKVVGFVTKSFRNPVDPDNFEFE
YDPLWDDADDWDYEGIDA EYEKEEGGSEEKVEYDPDIVNKVPDKDEEIEQLSKDWVAKICS
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PEFCMDNVELFETWSTTLTQPLSALGIEESIQLVFFHPHWTFRDGGERGGEGAAANYARR
SPWPMINILRTNQVRAAQKGIPTGLVYKQNESTLSKIGVQKLETMLRLRDWGEIADVKVD
RREMEALRVAQDFQQTGVVIKQEDTSFQNDATPAVNKVDSTQVDQGNLVNVIKQALGKRLG
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>comp9869_c0_seq1; 751 207 2207 LEN=2275; translated
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YSLNATLVPMYEAQLPSDWTYILNDSGAQTVFCATQEIFDKVRTEVLPSTPTVKSSFCLD
SSLGESHGFQTALSLSSEIDNDGTHI IAPTPEDLAGLIYTSGTTGKPKGVELTHLNFSSNV
KGATRSLVKNPKEFINESDRSLSFLPWAHSYGQTCELWSLMSSGASMGIGRGVPLILEDL
QLVKPTNLFVPTLYKKVFDGVHNLMETAPPLRRKLMKNALAMGEAKVAADKSTRKQLDP
FEKIKFAVLDKLVLSKIRGRFGGNLVRGFSGGAACPAEVI GFMDSIGIPICEGYGLTETS
PIITLNVPEENRTVGSVGRPVGDVTVYIVDKDGNVPPGTEGEICCVGNVMKGYNNAEA
TNEVISVAPDGKSKMFHTGDMGTLDNSGWVVRTGRIKEQYKLENGKYVVPPIESAINMS
RFINQVVL CGANRPHNVALLVPEWPAIQAE LGMDDATDIELANNEAVKKLIDDEIRHTCA
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LREAA

>comp9869_c0_seq2; 721 207 2364 LEN=2432; translated
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YSLNATLVPMYEAQLPSDWTYILNDSGAQTVFCATQEIFDKVRTEVLPSTPTVKSSFCLD
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KGATRSLVKNPKEFINESDRSLSFLPWAHSYGQTCELWSLMSSGASMGIGRGVPLILEDL
QLVKPTNLFVPTLYKKVFDGVHNLMETAPPLRRKLMKNALAMGEAKVAADKSTRKQLDP
FEKIKFAVLDKLVLSKIRGRFGGNLVRGFSGGAACPAEVI GFMDSIGIPICEGYGLTETS
PIITLNVPEENRTVGSVGRPVGDVTVYIVDKDGNVPPGTEGEICCVGNVMKGYNNAEA
TNEVISVAPDGKSKMEFIELEKKGILSAKHKICLICLETFLQYHVDVTSIHDFCFDFCRC
ASII LRRFHTGDMGTLDNSGWVVRTGRIKEQYKLENGKYVVPPIESAINMSRFINQVVL
CGANRPHNVALLVPEWPAIQAE LGMDDATDIELANNEAVKKLIDDEIRHTCAKLKKFEIP
KEWAFVAPFTAANNMLTPKMSIRRHKVMDAYEELISTMYNDDAIVTEAADGALREAA

>comp9870_c0_seq1; 506 1 1285 LEN=1337; translated
XSPQENPKAGTKPASTPTEDAESKSKSEGENKPPAAGGKQPQPRKRDEGQQPNEICAVAI
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LP SAEKGETAPLLVSGDVAGDSHAYNILPGKPRGRKLLLGHTASMLTDIALADSGAGDS
SKSLLTSDRDEKIRISRFPESWIEGHLLGHTAYVTGVAVVARAQGSPPLVVSCGGDRT
LRLWDLAKQSELCLPTETTEIPTAIAVGCNGGGAAKVAVIFDGSKTLKLYGIATTAGGL
LESLSIDCPSRPLAIDFSNEKLAVVMKDPDIYALYEV PADGAKAVPAEGNGGRVVEALR
ELASTEKIAMPDTILEKDDYGNPVLQKENETRGPAAADQPWNRVERVGIAKERERRRKA
KIMAAAEK

>comp9871_c0_seq1; 320 56 412 LEN=1797; translated
MVKAKKS VVKFVIDCTQPVDKVL DVAMFEKYLHDKIKIGGKTAALAANNVVISRDRTKL
TIASPAELKFSKRQLKYL SKRYLKKQQLRDYLRVVAASKNSYEMRYFSISGGDDADEE

>comp9871_c0_seq3; 271 414 689 LEN=2074; translated
MFEKYLHDKIKIGGKTAALAANNVVISRDRTKLTIASPAELKFSKRQLKYL SKRYLKKQ
LRDYLRVVAASKNSYEMRYFSISGGDDADEE

>comp9871_c0_seq4; 271 304 579 LEN=1964; translated
MFEKYLHDKIKIGGKTAALAANNVVISRDRTKLTIASPAELKFSKRQLKYL SKRYLKKQ
LRDYLRVVAASKNSYEMRYFSISGGDDADEE

>comp9872_c0_seq1; 718 1 2108 LEN=2691; translated
XTTTSPLDNAPLRTAQPAYQSRLASHRSRKR AVFPAQRQPPFLGNAIHEDRHGQGVDFDL
PRANQDTEARHPGPPDLHPKGRPNRCVPQLRRDRGDEPETERQPVGPPEGAVERPAGIED
PGLSERIRDPLAEPPGPVQAKDPGKPEENLQPV RPGEPPDGP GAELPQSAEAD EDPDGS
EPTTAD EYRRL LGANKAPKAGSAMGSKSAMI AKAYAVAVKQYEV MRTDNLSEKEAMEKV
EELLAKDDLEEKTSRRTKARDLQKTAQEASGTDADDLVQRAQTAFPGAKPKEEILGRRGK
KEGTTGAKVDYDTSVSMLYSENQRSFEGMINWTKRLQAVPYNRWTVGASVSLDHWIAKRV
LGLSEETWLALLEGN SPELMGRGRDIVMARHALFPETVVASDFQSAADAEIDGTSDETSS
GAEDDLLALLATLEGNSSDNSGEESSETTTTPDDDSASSLEEKLTEELQAWRSQHVEQN
YDNWNLEKQEEFMSWLETFVSSQVPESSLGRVDLEETRKNILESP PQKEDADAFWNSIS
DETS AELFLQSLLENKIGSEHPFFELDYKTQLERLVNLGTIGEIANEYATEADR SKFLT
RYGDYLLLEGVQFDHLVPDSSGPI S GSDLGQHLREKYDIDSSDRFALKKIDHGAE GFDSKA

SKNARMLFVAWNQFKAGRAHYEEKLFKKGLLGLSYETSKTKK
>comp9872_c0_seq2; 616 1 1517 LEN=1537; translated
YNHKPVGQRSAPHRTTRLP IETS IASQPQKSSIPGAETTTXFLEMQSTKIAMGRGSI STS
HGQIRILKHATPDLTYIQKAVQTGVYRSSDEIEEMNQKLRDPSDLRRVRWNVQRGSKI
QDYPKEYEILSLNPPAPFKPKIPVKDQKKIYSQYVRENRPDRLAQNYLNRQKQTNRDGS
EPTTAD EYRRL LGANKAPKAGSAMGSKSAMI AKAYAVAVKQYEV MRTDNLSEKEAMEKV
EELLAKDDLEEKTSRRTKARDLQKTAQEASGTDADDLVQRAQTAFPGAKPKEEILGRRGK
KEGTTGAKVDYDTSVSMLYSENQRSFEGMINWTKRLQAVPYNRWTVGASVSLDHWIAKRV
LGLSEETWLALLEGNPELMGRGRDIVMARHALFPETVVASDFQSAADAEIDGTSDETSS
GAEDDL DALLATLEGWNSSDNSGEESETTTTTPDDDSASSLEEKLTEELQAWRSQHVEQN
YDNWNLEKQEEFMVSAIFLEASFDA
>comp9872_c0_seq3; 240 1 696 LEN=1279; translated
XRTQADQTFVLVAMLLVISKTKSWLETFVSSQVPESSLGRVDLEETRKNILESPQKED
ADAFWNSISDETS AELFLQSLLENKIGSEHPFFELDYKTQLERLVNLGTIGEIANEYAT
EADRSKFLTRYGDYLLLEGVQFDHLVDPDSSGPISGSDLGQHLREKYDIDSSDRFALKKIDH
GAEGFDSKASKNARMLFVAWNQFKAGRAHYEEKLFKKGLLGLSYETSKTKK
>comp9873_c0_seq1; 554 413 1684 LEN=2010; translated
METGTIASWNMEEGESFGPGDIICSVETDKATVDFEAQDDGVLAKILVQSGSDELEVGTP
ILITVEEPEDAAAFKDYVLEESAPAAAAPAPAAEAPSAPAPAAPVAAPVAVPPVAAS
GGKVVASPLAHMISKELGYDISTIPGTGPDGRIIAADVREFVPSAATEAEGLATPAPAQE
AMAAAAP IAGAGFTDYPLSESSKEVANRLAQSKRNVPHYLLTVDICMDEV LKLRKELSGA
VDDEEGLGVYEFIIKAAAKSMKAVPAANASWMDSAVRVYDSVDMNVVVGTDGDNLYTPVIR
DCGSKGLKSI SDELSAAMSAVESGEVTSEFGTVGTFTIMNLGMYGIKSCAPIIREPQACA
LALGAMENRIVPNDPDSEEIYKESVYLTATMSLDHRVVDGAAGAPWLSAFKSYLQSPSS
LLL
>comp9874_c0_seq1; 270 42 578 LEN=768; translated
MKVGT FATVAAILPALASSFVAPSQTRSSTSLMAKGF GAKENKAPKQKSAGQLERERAAAN
QYDQVAATGGQEYSIFVRKFGSPDDSWLPCGSI AVARGDQVSNAIF SNEENLKTAIVRTF
PKLKGMEGEFEYGYNMKIYPDEPVEVAVKSNASSGPSLGNWMSNLLSPMDASNVGKSQ
>comp9877_c0_seq1; 405 112 1086 LEN=1834; translated
MEKWKYNYSRLSSITV GILFLLLSNGEALTTARALKTVLRLSSEVLAEKTELEESSKSSS
SKTEKFAKPPRLIPEDPSLIPSLYNYDHC PFCVRVRLALGFKNIKHNLVFMANDDVHTPT
SMVGKKIAPIMRFPSESADEDDLIMMESMDIIEFIENDERFGPTNVL RPASGRTDLKEWQ
KSVRLLLRLNLRPRYVATGLLPEFQQIDSRHAFIANHPLPPFDKA EWKEMEDFSQQLSIY
AEAMANDPTCMIEELNAKLVALDDIVYCDTYCTEGGLSLDDIDLWARLRSITIIADVEWP
DGLRRYMDNLAELADVSLYDELAM
>comp9878_c0_seq1; 203 303 1133 LEN=1320; translated
MNDTAMMRNNHPLSGCLVRQTAIFLFLLLSMYSQPFLCHSFQLSSSVLLTTRSSNGPSIS
SAPESSKHSVNRYSSTHFFTDPS SPDVHDQTAPRPSFEQRMREQLKQRQOSASASMSK
GSAIGKLVDPVRTLNSYKEILDQGTGEDGKLMVFWYSPWCKACKAALPGIRTLAKRHPDV
QFIQVPVLTENANLHQGLDVPSVPYLHLYVPEAPRLVEELKMTRKRLSGFQKLLADYEKG
SCSLELTVAMDGEDPENPKKIWSTSCPYSSPTRTSS
>comp9879_c0_seq1; 657 198 2480 LEN=2509; translated
MGRSSRKENKKTQKGTCLRHPKSKFSVHNINSIRQPLNPPPGSGCPTSIIYGD NATKAR
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GKQQTRKILNGAFVCN ESTLNF LNAELEFFSDYVRLSRHEKMAREHMIHQIKK SCKNLFG
VDDSQCQVFGSFAAQPVCI FDS DIDLAIWGVVEPDDDEEEGDDNNQLKRHLVMKGDKLTA
EDDPNDKSRKKQERVLKWKALIDDAKNERKDKDLLERVSADLATEKICGEGSAKSPLFV
LDRTGDTPSKSSDEICDSPLDDTTLRPRFVNNVQND CNSDESFS DSKENHNSDYDSKSES
TDDDSADKLENYFPHQCHNNPEVETNNLEARS DPVSRENHGHNFDCNDHNKND EEMI HND
GAVKQRPRGQSLVLSSTTCSVEAKLDESEMEVSFVVEGNKHKMRDKLGP SGRTRTLVV
RSLFKLTRSLRSLSSQIHVRSKARVPI INMVS NFGFECDI ALGGHNGTDTSSYASTQLSR
FKSFTTVVFLKVLVLSQQGLDKPFTGGLGSYSLYVLVASHIEHHLAMGGDDTPGEVLYSF
FFRYGAVKHSNPKISPS CRTPLSQESFIQTEDGGSIDLKFCFQIENCVTIFHECWRTLQK
RLSKEQKFSILQYIIDALKLEVSRSQRKNQADMKRLDRYSHFTKQYNGNSREQKRGEDD
NEARELIRGYSQKVEAFLPVTE SPKKKGTKKKRKRQKRT
>comp9880_c0_seq1; 433 152 1963 LEN=2907; translated
MDGGSHELLASLHADGSEVLVRDDGHENKNGNEKMRFNPLPSGCR TNELPVSNSIVHQE
SEQEVEEEQNAMDDPRYSSNECDVLMANELNKL SFAERESINDEIHGIGVEREYIRHKVV
EDDPEMLTDAFQKLTEELEQLRREGSAKAFDLSQKMLEESQSSSGNAATCYLNEHGFR LI

FLRCERFDCAKAAKRMCSYLDAMHGFFGDEVLRIRWSDLNAKEISWMEKGYSQVLPDR
DRAGRRIYLRFLRNDYDNDNSLSLSDASWMRIGLYLMTLLETDIQAQRSGIIFLFFFHGD
KINPLTFINRGKLSQALKLCPHLHLAGAHYCFPNNDYSTLSMIMKSVRIAIPKIRVHTGD
YAECLLALQSGFIPTANIPVDTKTGKILVHNHRRWLDFSRAKDENEIGLSLRECMIECP
NHNDVLFGRGNDKHPGNMFRNVIAKALPEYCKVQSIKQSVCMNMNIVEILKKAYGARFL
KEHPLESGGVYWTETTNDVARTKVRICLRDANTRLKRIAAKEEKSKPKPIENEKFTFPIK
RKSESIDTAAPSMVFPPIYSPVTPFHEPEQQQSFHPFVEDTTPFHNESFLGSFDDKADAA
EIGW

>comp9881_c0_seq1; 273 66 578 LEN=694; translated
MSVEMETCPASAPFFFGMGVTSALVFANIGAAAYGTAKSGVGISSMGVMNPGLVMRNIIPV
VMAGVLGIYGLIVAVIIQGSIVAPQNGLSQYSLYTGFAHLAAGLCCGLSGLAAGMAIGIV
GDAGVRAVGQQEKLFGVMILILIFAEALGLYGLIVALILSQNSFVCEGNN

>comp9881_c0_seq2; 266 66 578 LEN=984; translated
MSVEMETCPASAPFFFGMGVTSALVFANIGAAAYGTAKSGVGISSMGVMNPGLVMRNIIPV
VMAGVLGIYGLIVAVIIQGSIVAPQNGLSQYSLYTGFAHLAAGLCCGLSGLAAGMAIGIV
GDAGVRAVGQQEKLFGVMILILIFAEALGLYGLIVALILSQNSFVCEGNN

>comp9882_c0_seq1; 213 123 740 LEN=1132; translated
MKKRIAFRKLNRSAHKWSMLRNMVSSLVEHERIVTTEAKAKELRHLADQMITLAKKGQP
SVDDKNGKAKTPGELLHRRQASRIVRGEWNVTKLFEVLGPRYKFREGGYTRVMKLARPR
AGDNAPMAVIEYVDRPGEIRAARPPSIFTATSSNGMNGIEDALRKMGIPTTEELVSDEEQ
ESIEEELNNETNNSDNDENPTKKK

>comp9883_c0_seq1; 265 1398 1868 LEN=2023; translated
MFANKDFCDFSQEI GLASLGASDEDIEKLARCYWFSVEFGLCREFDPKTGKDQMKAYGAG
LLSSFGELEYACGEAGNDDEPKPQIEPWDP SRAALKEFPITTYQPLYFLADSLSDAKIKM
RMHCEGLPRPFFAQYNQQTQTVFIDRQIKRMEIGSQ

>comp9883_c0_seq2; 513 140 1743 LEN=1898; translated
MRLLRPFASRLLGQISNRPFAAAHGCRLKFNSSLAKDEDYDIDSRLFQVESVDSFDISS
ADWRDNQTKTLRSEEEQNLTSLMELPDRVGLHDVLRFFWKYDLNIRRIESRPSKFGFR
DFFVDVEGSVDEGDQRLNHLVSLKDFGVKLLTLGKEGETDILVSLIHCNYYLTLEN
PFLLSIYGCQNTQNFXSALFGKVAWFPRHISELDMVANRVLDAGTDLEADHPGFHDENY
RQRREELANFAMNHRWDQPIADIDYTENEIKCWTAVWDQMENLWDKYACKEYLHSLDLMI
KNCNYNRTSIPRQSDISSFLESTTNFKLRPVAGLLSSRDFLNGLAHRTEFFCTQYIRHHSR
PLYTPEPDICHELLGHAPMFANKDFCDFSQEI GLASLGASDEDIEKLARCYWFSVEFGLC
REFDPKTGKDQMKAYGAGLLSSFGELEYACGEAGNDDEPKPQIEPWDP SRAALKEFPITT
YQPLYFLADSLSDAKIKMRMHCEGLPRPFFAQYNQQTQTVFIDRQIKRMEIGSQ

>comp9883_c0_seq3; 469 140 1836 LEN=1991; translated
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ADWRDNQTKTLRSEEEQNLTSLMELPDRVGLHDVLRFFWKYDLNIRRIESRPSKFGFR
DFFVDVEGSVDEGDQRLNHLVSLKDFGVKLLTLGKEGETDILVSLIHCNYYLTLEN
PFLLSIYGCQNTQNFXSALFGKVAWFPRHISELDMVANRVLDAGTDLEADHPGFHDENY
RQRREELANFAMNHRWDQPIADIDYTENEIKCWTAVWDQMENLWDKYACKEYLHSLDLMI
KNCNYNRTSIPRQSDISSFLESTTNFKLRPVAGLLSSRDFLNGLAHRTEFFCTQYIRGVDR
IDFQKWL LISSNQKSDIYHLYVATRNSIILGLCTPQSPTFAMNFLGMPPMFANKDFCDFS
QEI GLASLGASDEDIEKLARCYWFSVEFGLCREFDPKTGKDQMKAYGAGLLSSFGELEYA
CGEAGNDDEPKPQIEPWDP SRAALKEFPITTYQPLYFLADSLSDAKIKMRMHCEGLPRP
FAQYNQQTQTVFIDRQIKRMEIGSQ

>comp9883_c0_seq4; 355 140 889 LEN=1988; translated
MRLLRPFASRLLGQISNRPFAAAHGCRLKFNSSLAKDEDYDIDSRLFQVESVDSFDISS
ADWRDNQTKTLRSEEEQNLTSLMELPDRVGLHDVLRFFWKYDLNIRRIESRPSKFGFR
DFFVDVEGSVDEGDQRLNHLVSLKDFGVKLLTLGKEEVAWFPRHISELDMVANRVLD
AGTDLEADHPGFHDENYRQRREELANFAMNHRWDQPIADIDYTENEIKCWTAVRSCPSID
RIVMGFRTL

>comp9883_c0_seq5; 355 140 889 LEN=1895; translated
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ADWRDNQTKTLRSEEEQNLTSLMELPDRVGLHDVLRFFWKYDLNIRRIESRPSKFGFR
DFFVDVEGSVDEGDQRLNHLVSLKDFGVKLLTLGKEEVAWFPRHISELDMVANRVLD
AGTDLEADHPGFHDENYRQRREELANFAMNHRWDQPIADIDYTENEIKCWTAVRSCPSID
RIVMGFRTL

>comp9883_c0_seq6; 537 140 1615 LEN=1770; translated
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ADWRDNQTKTLRSEEEQNLTSLLMELPDRVGVLDVLRFFWKYDLNIRRIESRPSKFGRF
DFFVDVEGSVVDEGDQRLNHLVSLKDFGVKLLTLGKKEVAWFPRHISELDMVANRVL
AGTDLEADHPGFHDENYRQRREELANFAMNHRWDQPIADIDYTENEIKCWTAVWDQ
WDKYACKEYLHSLDLMIKNCNYNRTSIPRQSDISSFLESTTNFKLRPVAGLLSSRDF
LAHRTFFCTQYIRHHSRPLYTPEPDICHELLGHAPMFANKDFCDFSQEI GLASLGAS
DEIEKLARCYWFSVEFGLCREFDPKTGKQMKAYGAGLLSSFGELEYACGEAGNDDEPK
QIEPWDP SRAALKEFPITTYQPLYFLADSLSDAKIKMRMHCEGLPRPFFAQYNQQTQ
TVFIDRQIKRMEIGSQ

>comp9883_c0_seq7; 493 140 1708 LEN=1863; translated
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DFFVDVEGSVVDEGDQRLNHLVSLKDFGVKLLTLGKKEVAWFPRHISELDMVANRVL
AGTDLEADHPGFHDENYRQRREELANFAMNHRWDQPIADIDYTENEIKCWTAVWDQ
WDKYACKEYLHSLDLMIKNCNYNRTSIPRQSDISSFLESTTNFKLRPVAGLLSSRDF
LAHRTFFCTQYIRGVDRIDFQKWLIISSNQSDIYHLYVATRNSIILGLCTPQSPTFAM
N FLGMPMFANKDFCDFSQEI GLASLGASDEIEKLARCYWFSVEFGLCREFDPKTGKQ
M KAYGAGLLSSFGELEYACGEAGNDDEPKQIEPWDP SRAALKEFPITTYQPLYFLAD
SLSDAKIKMRMHCEGLPRPFFAQYNQQTQTVFIDRQIKRMEIGSQ

>comp9883_c0_seq8; 265 1491 1961 LEN=2116; translated
MFANKDFCDFSQEI GLASLGASDEIEKLARCYWFSVEFGLCREFDPKTGKQMKAYGAG
LLSSFGELEYACGEAGNDDEPKQIEPWDP SRAALKEFPITTYQPLYFLADSLSDAKIK
M RMHCEGLPRPFFAQYNQQTQTVFIDRQIKRMEIGSQ

>comp9884_c0_seq1; 507 295 1725 LEN=1835; translated
MATLQNINGWVRLKPSYGGTEDGESDSLTRGKSCRWQPTNFYYYKLLSWIFFSSRASFF
GTWICRDCGEDLSEWESCPLLKPRGKCAF EYQGWEDPKPRSASSYDPFTKSSLPVRLI
TSYGVGKVRKVEYEQPQCLSLSKPCFDMNRCTTHTV GANDTDTKEQSLIKPLPVFAYPG
Q ARVELKDVFNDELSTLSIRIVKDPGMACLLIVHQDDLK LAKQSPSWNLGTNHVYVYVTK
PITENLHYDMAALGSVALTEAQIRPGYDIPLPLAAVWKVGYLAGGIHRPRKYLLSFKGSI
QDTLQPYQHRWLA AEYLNDES DVVIDVQCKHKTLFGDSVTYSLYDNPSQSNFDDLMI
NS TFAFCPGGSHVTSFRLTEVLSAGAIPIILLPEIIPPFYPEVDWSDCVIRVSQARIV
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>comp9885_c0_seq1; 362 551 1741 LEN=1741; translated
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PYECCGIDDCCKNGGDI CVNRNCIDDGHRFTLQWIGDDYDLFVVTDPGAEISYSNPTD
PASLGKLGEEMVQEIYGHVENIYFPVEGGPTGVYRFYVRPFFTVGTSD EWTITVVL DGE
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>comp9886_c0_seq1; 396 1134 2318 LEN=2762; translated
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FGRAYIMELMSRTFPIWGVVLLLV LTRIPQFH IKPYLILKEPYFEIYLNTYGTFRLSASL
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>comp9886_c0_seq2; 396 926 2110 LEN=2554; translated
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FGRAYIMELMSRTFPIWGVVLLLV LTRIPQFH IKPYLILKEPYFEIYLNTYGTFRLSASL
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>comp9886_c0_seq3; 491 212 1960 LEN=2404; translated
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SGIALAIGSFILLPLCLTFLVFPVFLVKKNATFILLGLLVCVGPSTGIAFVNYEFPALIGG
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>comp9886_c0_seq4; 407 933 2168 LEN=2612; translated
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QSSTRSTETENDNEAVNDESRRREKIPVVATEQSLNRSKIADGEGEGQNPVGESAINALTT
PLTTLEDYVDRVLGPRKPFGRAYIMELMSRTFPIWGVVLLLVLTRIPQFHFKPYLILKE
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>comp9887_c0_seq1; 1106 100 3805 LEN=3919; translated
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WQTQPTIALEPPYNWDLTSAPPTKEMNTTAAQKIFDTHKVTITDAYLISYSDDVKHIESD
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SCQDGITERRDDWNRKATITIECI IQASDVSHTMQHWVYQKWNKCLFNEMYTAYKNGRSDK
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>comp9887_c0_seq2; 1171 100 3720 LEN=3834; translated
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WQTQPTIALEPPYNWDLTSAPPTKEMNTTAAQKIFDTHKVTITDAYLISYSDDVKHIESD
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SIYWRDTIKNIFGERSRGLVIVFENPCNPTFTYQLNGPDAVFLGAGDFHDEKYNHFMVRKN
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STFMLYDFWVERRQKVVMTALTTTALVSSLFPAVVMDQMLPDGDDSSSLCDRQPKRLRSY
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HVIMSSVKKLQRIATPDVKKKDCETEQDYFNYTFGISSDPVTKFAVVSALIHVDVHQGV
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VNCVMATDIFDQELKNFRDRWEKAFRQSNSCQDGITERRDDWNRKATITIECI IQASDV
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>comp9888_c0_seq1; 512 168 1955 LEN=2645; translated
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ALVHAGXVRNRQFVSLKCGCLTLSTCILKGITIEFGSPLSDTNSETTKEYLERGDWRDIE
FMAVPGGTGGGYTGALTRGLAQNFAEKIKTNEPVVKVDQQGDILEVYTSNGRVFYARSAI
VTVPLGVLKSSSIEFVPPLNDEKLEAIDLIGMGNMKNVIMYWDKSIQDVSWWPRGKIELQ
LITDEDSTSDEWTFYFVDESHNGNEDYHVLTSWCGGDACDRLELLSDQETIDLVLGNLRT
MLGNNVPAPSERIITRWRSDSFGGAYSADDTGGFDSSSYRKTLFERMGNIFFAGEATD
SDGWHGTAVAAAYTSGVKAASNVEDSGILELPPPQFFPQCTKMHGDCGGQFDEPCCGGLSC
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>comp9888_c0_seq2; 620 168 1883 LEN=2573; translated
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NSTGELSEDEKSILVDQDFLKFVYADKNSANEVDWIEIKESYFAENPFMTNLERQ SIN
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AEKIKTNEPVVKVDQQGDILEVYTSNGRVFYARSAI VTVPLGVLKSSSIEFVPPLNDEKL
EAIDLIGMGNMKNVIMYWDKSIQDVSWWPRGKIELQLITDEDSTSDEWTFYFVDESHNGN
EDYHVLTSWCGGDACDRLELLSDQETIDLVLGNLRTMLGNNVPAPSERIITRWRSDSFG
GAYSADDTGGFDSSSYRKTLFERMGNIFFAGEATDSDGWHGTAVAAAYTSGVKAASNVED
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>comp9889_c0_seq1; 1584 344 4346 LEN=4346; translated
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VGNVIDAVEQVDRYSVNMSDRDRTPKEHDRLLQHRSYDEDDNCVKAVDYVYVQEAkWKSQ
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DDDKDTSGRQSQSQSQLPNHIHRHIKASLTEDSTGLVSELSQYSHSNYPQRSYQTNLNSP
YQQQAIIEEQVQKGVKVLVAILEANKNRSVASGNSSCDGGSHSNGIAAIDNVSTNSGDN
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CVSRSSDMSDEGDELDTTYDDHDGSEYEDDDVESTHGARVLGPLSREAGGTTGVVLDLESD
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ITKLKHNSLDGEAQFDPNFLRELEEAERLLDDEDNQNTSHVNAGTTVVNVMAKVQQPPL
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IAGQYLVECELGSAAFSTAYKCVDFSEEDNDVREEVCLKVIKNTKDFFDQSLDEIKILEL
LRQTGQCDENYILRVKTFYFYREHLIIVTELLRRNLFEFGKSIIDNDEEYFRTLPRLAYI
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>comp9892_c0_seq1; 698 287 1867 LEN=2831; translated
MATANATTNVGVTVSSATTASTAARCP SRSLGFQSKAALVATRGFSTLPTDDAGDEEPHN
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RGIILEVELERLLENVDLKKSAIQAVEESGVVFIDEIDKICSPKEGISGRSADASAEGVQ
RDLLPLIEGTTINTKHGNVNTDYILFIASGAFHAVKVSDDLPELQGRLP IRVELSGLTED
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>comp9894_c0_seq1; 223 1 495 LEN=655; translated
QQRPFVHRNENTLATFYESNSLHIMNRLVSTIAVLASILASTTAFAPSLPLATRTGTFS
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>comp9895_c0_seq1; 232 1 760 LEN=1210; translated
LQLDICCDGGDAVQESHQMNNYTDVAVHAYGSYVINGGDGNNVLKIRGENLGYDSSFLKRC

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GHDAI LAGGLAGKSGRVVVIDFTQAMIDQFIKNAETYASEDGGDTSFAPFESVTGSLEDP
EQLFSSTGLKKGCADIVTSNGVFNLCANKALAFQTAYDLLKPGGKFLLSDVCI VEENLDA
KISCTVGDEVTS

>comp9896_c0_seq1; 294 161 589 LEN=874; translated
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SLESARAFANLADPTAGVISDD

>comp9896_c0_seq2; 290 161 589 LEN=887; translated
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RESRERRKLLTDLQDSVENLTTDNAVLTKENFSLRRELITLVEQSGGVASLSMIPNIQA
SLESARAFANLADPTAGVISDN

>comp9897_c0_seq1; 662 125 2305 LEN=2514; translated
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GVEYCHFQKIVHRDLKPENLLLLDANDNIKIADFGLSNLMRDGDFLRTSCGSPNYAAPEVI
SGHLYAGPEVDVWSCGVILYALLCGSLPFDDDESIPNLFKKIKSGMYSLPHTLSQLAKNLI
PRMLEVDPMKRITIP EIRLHPWFQHKLPPYLRHPPPELMEKQERVVDSQVIDEVMKLPFHK
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QRQGH

>comp9897_c0_seq2; 632 617 2644 LEN=2853; translated
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GGSYDGRSYGSNHSNHSQSPTTLQSPANQAKLAEAEATRALTPGSGQHSHTPSGLSHPP
ASAAQTPPIGVVGVGSHPVVQMTSSIPGNTGMIAQHGHRRTRRWYLG IQSKKDPAHVMTE
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HTVSLATGSM TDEDVSMGDAKEKQTTAPTKVTDYMKVVAGDDGHEVPVNLSTQNYSIK
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>comp9898_c0_seq1; 189 1 1059 LEN=1114; translated
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CAGSLFKINLKT DAYGYETKWA FRNKKTNAIIEKGIERYENNKAYEFPGPDDAYCLPRGE
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>comp9898_c0_seq2; 214 1 1067 LEN=1122; translated
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>comp9898_c0_seq3; 235 635 1167 LEN=1222; translated
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>comp9898_c0_seq4; 250 1 959 LEN=1014; translated
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>comp9900_c0_seq1; 171 155 757 LEN=1328; translated
MNEVKTNTNTISSGRQSNQKKAKTVYSYGKSSALKALNAIFTEYLKFIESP HRQDSILK
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NIWTTGSNSKRLGQIMSWTMIAYYPLEHLSYLVWKAPGISWLP CASPTPVPTNDNATSCP
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>comp9901_c0_seq1; 412 245 1352 LEN=1380; translated
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YYVQLHGQNDIILLALAAIGAIPSVLNLVNSSPPVAVLLPLIDSANHREDADSSIEYSPL
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AEQFVANH

>comp9902_c0_seq1; 167 690 971 LEN=1334; translated
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>comp9902_c0_seq2; 203 344 589 LEN=1139; translated
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>comp9902_c0_seq3; 285 690 1322 LEN=1872; translated
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ANCPQCQVPMTKAKVLPNDET DNKAPRVACDLCKSTYNMKTGEKVEAAE TTGFFGGMAK
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>comp9903_c0_seq1; 422 100 2242 LEN=2565; translated
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TSRKHTSVPF SVRKQEI ELVQRGLPRHPSQTHLSKPSFYPLPWSKPSRITSLISGARSR
RNYNDAKSDSVDFFEDESEFFADYCKRKEEESLDVDP ELDGLQLVFSENIKHIDE EERR
RRLGFDDENSASTSTSTSPH THEAEESLEAEPAYEPKIGV VSLPTQAMILQAKLEAR
CRTVPEDHKIKFLGAI AQASALGQFTRRLREHTIEAYGQKIEKYEA AELPSATWVKGSETV
VLPAPDPAWAQFQIFREAV ALGGIKALKPTIT TNYGQVTRTRDAIEEDHVDVDDASKPK
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WNEPPPNEEAVCIECVSENGSDSSQSFATEEVEGLQNSFFKMFKLGGEKTGSGGTR LDRP
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>comp9904_c0_seq1; 925 107 2839 LEN=3079; translated
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KVQQQRDEKTRREEAAREQE EGKDDNGNANYDDFDEQDDSSDYDDDDCDDDDDAWNL
YEKLEHLLVVQKDASGAK EELRKFMEQH DYLNLTEDNCVHLNLSMTFPPV VPLKPVLYQ
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SRSPLPDDDPVIFNLKYRHLQIGTTSVGLSAGSNGRILQWNASWQATLSSFSKLFQSS
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GKLVAPSGIPKSSWMGFYTLATESKFRKNRRRFRGNQKSAARRWLSIGCRRFNHFLNQLS
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>comp9905_c0_seq1; 524 177 2069 LEN=2503; translated
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NNWAYSRRNFAGFASDSDDRDEGDDPVEDLEPLNTLMDQDL SAEANSYEP SHDQEHQQQ
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>comp9905_c0_seq2; 152 103 1040 LEN=1452; translated
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TVKSNFYGALSFFVGAFAFRAXGVDLVPRVWEGHRRLPDEYDPDFRCKPDRKIGVPRGV
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>comp9907_c0_seq1; 765 45 2813 LEN=3017; translated
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QILFSLRHQIRRRHRVDLIHKAGTVLDSSVEVTATSISVKSSPQLGNAYRVLETLDGAI
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GREVANVPRTA AVLHNDVFLAHHCLTLGLEIYKFKFPQVDEDDARGKLLKQTCIFVDMVP
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>comp9908_c0_seq1; 574 145 1545 LEN=1680; translated
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LKTLYEYGI LLVTKTPVEDNGAGIAALGAALSGGSVKDNPSASLLANYRAGGTDVVLDPG
TDGPLR TLTYGGVWATSSAGQPDGTSVADSAYGTDALPLHTDSTYLQDPPGLQIFTMVRPA
TVGGESVFCDGLAVAETLRSLYPDAFDILSKTNRTFHSHKDEVTGWYLKATAPMIQVRHGR
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>comp9909_c0_seq1; 394 1 869 LEN=869; translated
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KKQEGFNMLPTSDDGANSDDETVLVGVATSENAGMGEVSLGNTGYRRRQRIIENCRVATR
FAETADDKPSERNGAVDDQSSNNTDRTMKSMRDVIRAVRNTMNAENYGTGLNPNVPGDA
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>comp9909_c0_seq2; 565 1 1247 LEN=1426; translated
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KKQEGFNMLPTSDDGANSDDETVLVGVATSENAGMGEVSLGNTGYRRRQRIIENCRVATR
FAETADDKPSERNGAVDDQSSNNTDRTMKSMRDVIRAVRNTMNAENYGTGLNPNVPGDA
NASKFMSMQSTQNMIDYSIFRRKKQSKKPSFALRVLVQERFAKIIAIEVAGYHSSIEIKE
HTLSVTIDSMSATAEKWSVPRRARKAFRAVSFEVLYFVGEHGLITRGADALYELTPFEFH
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>comp9910_c0_seq1; 490 263 1711 LEN=1711; translated
MGGDKSSYVFIRDSQYAWVPAIKTGQNDKFAQVRVPQYPNEQAFVCDGGLSAKRFE EEEV
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AVNPFQWFTELYTEAVRNRYARVLVWDNTEGDPRSTVEPHVYETSSSLCYKGLAFDGRDQS
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NDNSSRFGKYIQLFQDMGDKAQQEYRSRTEATCVLAGSKCDAYLLEKNRVIITHDPKERTY
HIFYQIIAAKEKTKYWSKLAGTTNESFKFVGSDDTDIEGMKDADHFVNTVRTLEKIGVS
QDQLMTLIQAVIMVLQLGNLTFKGGDDKSEVASTKELSDLCELMCIPTGTLEAALTQRTM
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>comp9911_c0_seq1; 842 120 1610 LEN=2414; translated
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KARLEQIKARRNQRKLQREKMPSSDDEDANNGDDL SKNPFCDHFQMAHVVKNDDDL SK
NPFSDNKESNDNDGLGNPFSNDKESDDIDDDL SKNPFSDKKE SYVVENDDH SKNPF
DKKVATGKPTADDDL SQNPFSDHAGSDSDESSTIRPPPESTYLEEAKVDSQQKSDTNPF
DDEANEDDYDQETFQSAVSEEIDSDEEDIIESRRLRLRCVDQRIQYQQQNDEAASLKEQI
HQMKIQAEAMAEQLRAVETKCDLVLAQNEMERRHEQDLIAKDGELRDLRMYIQDILEQQ
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SRY SNAATKELMPSYE

>comp9912_c0_seq1; 624 132 1796 LEN=2162; translated
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MALEHLVGGDDPKTTIGLPLSQILEENFGLKLDCHIDESGIRKGRPVDTQGF IASNEDTI
VLSYRFTTTIMDWMANLTFSSSEWEPVEDEALGHAGWCSSTKGWFTKFCRPNKAKPRVHT
AYYNNFIYTIPIKKEYIIEPLKKNENAKPKKIYVVGCSLGA AISQIAFCYILEQLYENLMD
PEFKNVERLVSVTAGCPRVGDKKFRNVMMKMEALRKAGLDRAVINRLVYNKDIVPHAPP
NVIAFCHLGLKVYITKGGEHVIINPDISKQFTKFNEIKVIYRTVFEVKKEEVKEKKEQVK
QNI RDRQTVVAGKAKDKLQSVQTKMHMSVESGTKNVEGDDAESGTATATKHTIPLTKSKL
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AEADAENLDEELSC

>comp9912_c0_seq2; 272 132 803 LEN=1178; translated
MPTVA INSKGLSKSYSEDEKKNALKKQQRSDVIAEYKLDGYSRIVAPRRSVFDLRS
KEMRTEGEKKQGRLYSTKKS KDVGGLRVDEMIYGVKMAHLSCTDDSEMRLNPNKASANCL
MALEHLVGGDDPKTTIGLPLSQILEENFGLKLDCHIDESGIRKGRPVDTQGF IASNEDTI
VLSYRFTTTIMDWMANLTFSSSEWEPVEDEALGHAGWCSSTKGW

>comp9913_c0_seq1; 298 725 1303 LEN=1303; translated
MPDVTNMKAREIRQELESYGINTTTLFDKREFEEALIEARRHYESTINDVMSSNRPKKKK
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DPMGGFHTYPNQRPNNGRGRRRPGNEWFEE DPLFKHEAERNQYHRDQPHQQQHYYEYEV
GARHSRQQQQQQQ

>comp9914_c0_seq1; 233 188 520 LEN=1389; translated
MSATAEERVAKATELINKDIAEHKVVVYAKTWCPHCQETKKLLQSAEYKEVDVLI RDLDV
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>comp9915_c0_seq1; 550 74 1465 LEN=1635; translated
MAHLLSKSVKQLVRKAPIGKSFRSVTTLQETLAAQVPEKQKSLAALKKEHGSEVIGEVTI
DQCIGGARSVKCMLWETS NLDP AEGIRFRGLTIPECQAVLPTYSGVTGDGEPLLESLLWL
LLTSEVPTKEQVDSLTAELHSRAELPEHAKNLINSLPKDMHPMTQLSIGLNACQTESKFA
KAYADGAPKTEYHHHALEDILGVI AVLPEIAAMIYRNVYFDGVVTKDTS LDYSGNFCRML
GYDDPSFDEL MRLYL CIHTDHEGGNASAHATHLVGSTLSDPYLAYAGGLNALAGPLHGLA
NQEVLKWIQDLKAKFEAEGKPVTAETITEFAWDTLNAKKVIPGYGHAVLRKTDPRYTCQR
EFALKHMPDDEL FNVTIYEVMPGILKEHGKVANPYPNVDSHSGVLLWHYGFTQFYTT
VLFVSVRAVGALSQLYWDRALGLPLERPKSVTPEWLWSQVKKD

>comp9916_c0_seq1; 854 165 1949 LEN=2466; translated
MSDTGASLTPTTLAPTVA AVVDSFDVSSTA AWIVLIGVCIFFTLLAIGSMDKLGFLGGLK
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VLGYSGASAFP AIVICFLGPSIKKISGENAFSTSDFRKRYGRMLQLAISAVSVFYMYFIY
MVAELT SINSIFALLTGNTNSAFSIGVTCVIGIFTLLYTG IAGLPSSIVTDRFQGLIMAM
LVII LTVAVCSFDENKVTREEFKLASSWTVVEGFAMAVTLIIAILCAELFNQASWQRVWAA
ESVPAMRKG FALGSFFVFLMMFFGIMGMIA YANDPASYSDFDKFAFLSFFDLLLLPLGNG
WHIVVLI FVTALAASSLDSLQNLNSIFYRDALRAGCNAHATASVLVLLMNIPAIWLASK
GISVIALFLVADLV CATAVFP TFLGLQETDKLGLLPAPTELGAFLGFLSGIATV LVNGA
INGQNP FQYFWLRNGGICALCGSETMITFIVTPLVAGIMTYVFTHLDL CVRGKENARRSV

INFADFDDDDAAESGDVDIEKPAEEDGEKPPPEEKAVPEKKEAAVETVEMEA
>comp9917_c0_seq1; 464 214 1973 LEN=2247; translated
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YDFALFGFFSDVIAEIFFPPAEEGSYANLIDSFVIFGSAFLMRPIGGLLIGYVGD KHGRK
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DSKRLEPLSLAVLGI VVFLIFSLGLLFLS CPVSY SALNGGVLESYSTAAXPMM AANIGT
LLGNLCGALMRALLTEEQLMAWGWR LPFLSGILIAFVACYLRKYGGEVATPGDKPRH HNP
IKVALLPENRLALLSTAVVPMLWAAGFYVSFVWMSIYMEDLMEPPVPEAFWVNSLGLLLG
MTWVLPVAGSISDRVGRIPIMTASGLLLAALGPVCLILISKGNPFVAVASQLVLGTL LSF
FGGPLCAWLVEFSPEVRMTSASIGYDVSHAIAGGFSPA IATALYTSYGTAATGLVYVIF
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>comp9917_c0_seq2; 418 214 1636 LEN=1910; translated
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LRKYGGEVATPGDKPRH HNP IKVALLPENRLALLSTAVVPMLWAAGFYVSFVWMSIYMED
LMEPPVPEAFWVNSLGLLLGMTWVLPVAGSISDRVGRIPIMTASGLLLAALGPVCLILIS
KGNPFVAVASQLVLGTL LSF FGGPLCAWLVEFSPEVRMTSASIGYDATALYTSYGTAAT
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>comp9917_c0_seq3; 328 59 1587 LEN=1861; translated
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DIASASKRSVAIIDPKWLVLRCKMQLDRHGMECPAPDRVCAVQDSKRLEPLSLAVLGI VV
FLIFSLGLLFLS CPVSY SALNGGVLESYSTAAXPMM AANIGTLLGNLCGALMRALLTEE
QLMAWGWR LPFLSGILIAFVACYLRKYGGEVATPGDKPRH HNP IKVALLPENRLALLSTA
VVPMLWAAGFYVSFVWMSIYMEDLMEPPVPEAFWVNSLGLLLGMTWVLPVAGSISDRVGR
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>comp9917_c0_seq4; 418 214 1935 LEN=2209; translated
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EALTKSLFLMAIPTTLMGCLPTYQQVGPASTVLLSLCRLVQGVSVGGQLPASLVYTVEKR
PRSQWGYVSLHDCIAWHDIASASKRSVAIIDPKWLVLRCKMQLDRHGMECPAPDRVCAVQ
DSKRLEPLSLAVLGI VVFLIFSLGLLFLS CPVSY SALNGGVLESYSTAAXPMM AANIGT
LLGNLCGALMRALLTEEQLMAWGWR LPFLSGILIAFVACYLRKYGGEVATPGDKPRH HNP
IKVALLPENRLALLSTAVVPMLWAAGFYVSFVWMSIYMEDLMEPPVPEAFWVNSLGLLLG
MTWVLPVAGSISDRVGRIPIMTASGLLLAALGPVCLILISKGNPFVAVASQLVLGTL LSF
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>comp9917_c0_seq5; 328 59 1288 LEN=1562; translated
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IGTLLGNLCGALMRALLTEEQLMAWGWR LPFLSGILIAFVACYLRKYGGEVATPGDKPRH
HNP IKVALLPENRLALLSTAVVPMLWAAGFYVSFVWMSIYMEDLMEPPVPEAFWVNSLGL
LLGMTWVLPVAGSISDRVGRIPIMTASGLLLAALGPVCLILISKGNPFVAVASQLVLGTL
LSFFGGPLCAWLVEFSPEVRMTSASIGYDVSHAIAGGFSPA IATALYTSYGTAATGLVY
VIFGLLSVAGLYFPKCCGRADKESDTGGTPGGAGEVEMPTPAE GENKIV
>comp9917_c0_seq6; 464 214 1674 LEN=1948; translated
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LRKYGGEVATPGDKPRH HNP IKVALLPENRLALLSTAVVPMLWAAGFYVSFVWMSIYMED
LMEPPVPEAFWVNSLGLLLGMTWVLPVAGSISDRVGRIPIMTASGLLLAALGPVCLILIS
KGNPFVAVASQLVLGTL LSF FGGPLCAWLVEFSPEVRMTSASIGYDVSHAIAGGFSPA I
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GENKIV

>comp9917_c0_seq7; 282 59 1549 LEN=1823; translated
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DIASASKRSVAIIDPKWLVLRCKMQLDRHGMECPAPDRVCAVQDSKRLEPLSLAVLGIWV
FLLIIFSLGLLFLSCLPVSYSALNNGVLESYSTAAXPMMANIGTLLGNLCGALMRALLTEE
QLMAWGWRLPFLSGILIAFVACYLRKYGGEVATPGDKPRHNP IKVALLPENRLALLSTA
VVPMLWAAGFYVSFVWMSIYMEDLMEPPVPEAFVWNSLGLLLGMTWVLPVAGSISDRVGR
IPIMTASGLLLAALGPVCLILISKGNPFVAVASQLVLGTLLSFFGGPLCAWLVEFSFSPEV
RMTSASIGYDATAALYTSYGTAATGLVYVIFGLLSVAGLYFPKCCGRADKESDTGGTPGGA
GEVEMPTPAEGENKIV

>comp9917_c0_seq8; 282 59 1250 LEN=1524; translated
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IGTLLGNLCGALMRALLTEEQLMAWGWRLPFLSGILIAFVACYLRKYGGEVATPGDKPRH
HNP IKVALLPENRLALLSTAVVPMMLWAAGFYVSFVWMSIYMEDLMEPPVPEAFVWNSLGL
LLGMTWVLPVAGSISDRVGRIPIMTASGLLLAALGPVCLILISKGNPFVAVASQLVLGTL
LSFFGGPLCAWLVEFSFSPEVRMTSASIGYDATAALYTSYGTAATGLVYVIFGLLSVAGLYF
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>comp9918_c0_seq1; 554 510 1811 LEN=2131; translated
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DVPRHVYFADDDAAWNYFINCTEDGHIPSNVTMADDYTWVDWYNNTAFFEDDYFWQPK
IANANAPFPESYVSKYMMIYFFAASGFLVTGAIEVVLARKAKFIYRMLYYLMLAAAFGV
VSACLTKNPLWSNITNCISVNLWALEAIMIVCQRLQGTSEVDDYEEYARIYGISVTAWF
YLADFSLIGHTVGDVTSYFYVFEYDNWKLGISAVVFAVFWLICSLVYLLVAIHDIYGEFK
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>comp9918_c0_seq2; 554 122 1423 LEN=1743; translated
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DVPRHVYFADDDAAWNYFINCTEDGHIPSNVTMADDYTWVDWYNNTAFFEDDYFWQPK
IANANAPFPESYVSKYMMIYFFAASGFLVTGAIEVVLARKAKFIYRMLYYLMLAAAFGV
VSACLTKNPLWSNITNCISVNLWALEAIMIVCQRLQGTSEVDDYEEYARIYGISVTAWF
YLADFSLIGHTVGDVTSYFYVFEYDNWKLGISAVVFAVFWLICSLVYLLVAIHDIYGEFK
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PSSSNGGDNEPVQ

>comp9919_c0_seq1; 7 1 226 LEN=1181; minus strand; translated
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GDPVIVGAIFVHRKL

>comp9919_c0_seq2; 7 1 226 LEN=1470; minus strand; translated
XGRYGSSTPKNRLVEAGSDAEFRKLNARTTEAQEAPKNSYKQLYLEREGKGLRISTITA
GDPVIVGAIFVHRKL

>comp9920_c0_seq1; 906 323 2335 LEN=2627; translated
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MAETLHTIIVHDFPERWPDLIPTLLQTVQGGATDPSRALHVNALLALRKRKRYEYKSK
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EPSPALQNPQSMQPWLDILRAALEKELPEGGTGLEPRGQPTTVEERNAPWPKVKKWAVQ
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QFMLQRLSDPALPVQIEASKALRFLIEADGADETLPLVLPQLLLEYFRIMNEIGNDEVVS
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>comp9922_c0_seq1; 485 163 873 LEN=1049; translated
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>comp9923_c0_seq1; 141 143 1774 LEN=2484; translated
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GPTLPQFGGENEQDSNSNSNETSSSGKWYNVPANIKKWFNSTSSDENKSKSAIPSNPAP
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VRARVDRDTSWQNLQNKKYWSNEFRNLMVVWLARQICESVCLDARFGNGLKSNHSGSN
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>comp9923_c0_seq2; 158 143 790 LEN=2547; translated
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>comp9923_c0_seq3; 169 143 1674 LEN=2384; translated
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>comp9924_c0_seq1; 639 1 2142 LEN=2246; translated
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TISEQEVVDETVDASSSSLETNAKANVDPSPKPKWGLRVVFTGSI GGGLTRSGAQDIKR
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>comp9925_c0_seq1; 367 193 1029 LEN=1161; translated
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>comp9926_c0_seq1; 373 141 1601 LEN=1677; translated
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KEVSKGKTNGNFWENAKSCFSSKSLASVIACLLIFSWMFRATSYASMGSYEDMYGFEP
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SGKKDL

>comp9927_c0_seq1; 774 809 3058 LEN=3571; translated
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>comp9928_c0_seq1; 200 218 1066 LEN=1516; translated
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QEPPSDEYSVQTMEDVDPFRFDRLVEKTQLKLEAEFVTTIVTSAKFWIPLNFLSFSVIPA
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>comp9929_c0_seq1; 226 517 834 LEN=1047; translated
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>comp9930_c0_seq1; 476 373 2211 LEN=2259; translated
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RAIEEKRCLYQERQQVQKRKREDDTTSTTTMPPSPGVECPVNCIILGNGAQYNPANLEF
RDILKSMEIRREEMARCDTDCVSMKDFVNSIIDTAQSPEYGLRFLTIDKATSLYVDIED
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>comp9931_c0_seq1; 1273 1 3630 LEN=3649; translated
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LKLEGEASEAFVESTVAEFGRNIRLVVSNLTSYANAGPIIVSAGAEMLRVFERLLLDWVL
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RYKLSKSKK

>comp9932_c0_seq1; 262 130 714 LEN=897; translated
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>comp9932_c0_seq2; 262 130 714 LEN=909; translated
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>comp9933_c0_seq1; 461 62 1147 LEN=1147; translated
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>comp9934_c0_seq1; 765 1 1827 LEN=2198; translated
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HVRSLSLALRSSFRNAWQMVLEDEYGPPEALEGIPLCGLGHSGLGARLLTVMTTLDQNE
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RSSNNGRRNKNRYDDFYDDEEALDEEWAEMVEDFQETFSAQKNRIQTALTPNSKDLE
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>comp9934_c0_seq2; 413 1 1080 LEN=1451; translated
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KNRYDDFYDDEEALDEEWAEMVEDFQETFSAQKNRIQTALTPNSKDLEFLPTPDQLW
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SYITDVVAK
>comp9935_c0_seq1; 335 97 918 LEN=1213; translated
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>comp9936_c0_seq1; 750 122 2798 LEN=3125; translated
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YIYKNASKRANLSTDEEGLPLANTSRHSGSGNNSRASSDNPDDSPQQNDFNSSISSFRV
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YSGDHLNSNQPSLHFQRPTPGRQAGSYGRRISALSDDSIIRDYSFATDGFVSDRDVH
DYSSEEQLSPGYNDPCGERCVQQAAILLAFRICRSRRTYLFSSSQSSPHYIPSI
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DIE
>comp9936_c0_seq2; 778 122 2707 LEN=3034; translated
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PKQVPLSNRSTSESIMSSATDRSVSNHGVPPVLPPIPPRSTFGPASSFASTISTHDV
ARRYSGDHLNSNQPSLHFQRPTPGRQAGSYGRRISALSDDSIIRDYSFATDGFVSDR
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>comp9936_c0_seq3; 736 122 2762 LEN=3262; translated
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>comp9936_c0_seq4; 764 122 2671 LEN=3171; translated
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SFAPTISHSPTNYPSTRTPTSAPTGPFSFAPSLQPSRSMAPSFLPTISHEPSISNAPSERI
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PKQVPLSNRSTSESIMSSATDRSVSNHGVPPVLPPIPPRSTFGPASSFASTISTHDV
ARRYSGDHLNSNQPSLHFQRPTPGRQAGSYGRRISALSDDSIIRDYSFATDGFVSDR
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>comp9937_c0_seq2; 172 258 1220 LEN=1567; translated
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>comp9938_c0_seq1; 984 80 2725 LEN=2822; translated
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RRISMAKIGIFLHTPFPSSEIFRTLWCREDLLRGMNLADQVGFHLEFYARHFLTCCRLL

GLNYGMIPDASNGGYTLAIDTNGRHVAVTSIHAGIEPPVLNQILRHDRVAREAAAMIRAR
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NEVTDQVQRINKMWPGTIQFQETPDWRMRLQORMALMKGSDVCLVTPIRDGLNLIPLLEFT
IAHQEALNPAVRQADGGRRRGLVVLSEFASCTRVMRGALHVNPKI SEIAQAFQQALMT
EEERLRRVTCASEFVTRVTTQRWALAVMLDLKGVHKSVPVQYSGAGLGLGFRLLGMDVG
FESLNFKAVAKGYKMASNRLILFDYGGTITSNENLDNLSRFRMVKTRSHHSEPTAEMIQT
IQDLCSDKKNVTFVVSQKERHSLIKTLGHIPNLGLAAEHGMYISWPEVDSGNSSGGGMF
SSHGGRLGTTPRGPKKNRHRNKRHWETLVPISDRTWRSLTMSIMEVYASRTHGSYIEETE
MKVLWQYRDADLEFGYLAQARELEDHLSNVLRSYPVDILHGGVEEGGYVEVRPKGVNKGVF
AMKAI CNFHKLTA KP DGQVDFALVLGDDHCDEPMLSVMRQIGHRARGGRASDLPKTMRLV
DVSVCDPNISSDAEIFTCTVGKKPSAAANYLQDVSEVEELLQALVKVSKPNPASKSMLDL
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>comp9938_c0_seq2; 1304 1 3804 LEN=3901; translated
SPTS RNKMIPLYTTATSF PWYSTLQSLAMTVVRPKPLSLGGQASLFGSGAASTNMIDSTN
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NANAAMEVEPESEPDSPATDGSACASPETNNYHALPLKFLLPGETYVVNDVLGKRKGQK
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KKKTVGFAEMPSPFRRPTQPLSAEAGAAGSPSKERRNRLGEPVQLNATDGLVVVSAFLPV
VVHRDETSAPKWTADWDYEALLSMQTHLRVTRVGVVWKKGWHGNYRQQQTARSEEDGS
GHQASEHYGVPIDERHLVEECLRPFHCVPVWIDPLIFGEMYNFCKGILWPVLHNVTSVY
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VVQCFNEGDLVWIHGFLHLLILPSYLTRRISMAKIGIFLHTPFPSSEIFRTLWCREDLRG
MLNADQVGFHLFEYARHFLTCCRLLGLNYGMIPDASNGGYTLAIDTNGRHVAVTSIHA
GIEPPVLNQILRHDRVAREAAAMIRARHPGKTIFCSIDRLES�KGIPLKLLAIELFLKRCPE
WIGKIVLIQVGITAWERGDDYVKTRNEVTDQVQRINKMWPGTIQFQETPDWRMRLQORM
ALMKGSDVCLVTPIRDGLNLIPLLEFTIAHQEALNPAVRQADGGRRRGLVVLSEFASCTRV
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LDNLSRFRMVKTRSHHSEPTAEMIQTIQDLCSDKKNVTFVVSQKERHSLIKTLGHIPNLG
LAAEHGMYISWPEVDSGNSSGGGMFSSHGGRLGTTPRGPKKNRHRNKRHWETLVPISDR
TWRSLTMSIMEVYASRTHGSYIEETEMKVLWQYRDADLEFGYLAQARELEDHLSNVLRSYP
VDILHGGVEEGGYVEVRPKGVNKGVFAMKAI CNFHKLTA KP DGQVDFALVLGDDHCDEP
LSVMRQIGHRARGGRASDLPKTMRLVDVSVCDPNISSDAEIFTCTVGKKPSAAANYLQDV
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VEEDMFF

>comp9939_c0_seq1; 469 20 1567 LEN=1816; translated
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KDFDFEGSVNGGYGYPANANANANANAYAYAYANPNLTNLAVPEMLHAAQCWLEDSVSS
SSKTSPVPPFCTAKSPVTATVLGRTP LIESDAPGDIQHIVLRLPEGFYRVEGQISVIP
PGTDPSTGRPHKPRLYSIASTRYGDLLDGTTVSLCVRRAEYTD PATGKVDPSKAGVCSGF
LCDAVPGQKVS VAGPVGKTMLLPAFDSNDSDSDKDAHSGSVDLIMVATGTGIAPFRSFL
HRLFTEHTPANHMFKNGKAWLILGVPTSGSLLYKPEFDAMLR TANQNPTIP SHEWTSV
QVPEPTPSLRIDYAI SREMTNASGGKLYVQDVLRENAGELMERLENGAVIYFCGLRGMM
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>comp9939_c0_seq2; 243 290 1379 LEN=1699; minus strand; translated
MKNPEKTAKILDQERCGLDLVTA AHLTKHII SDEGFGREPQQKILSVVRDCLRYATCVLC
HGTLWFARSCIQEHTDPSGDFCQRVPSLLIVSLLVFPVAVPVLVA AVAVAVIVAVAVAR
IPFPFVRLPAASQA AKAVAGLPGAPGIAASDGLAVGRRRGIEADHQATGDPQGRCEK
VRDRSLAQRAVVPGTTELGPKPAEADGLAEARPQQLVGRPPP GDSRKHAETAGQKGRPT
PAQDEAWKQKTRAVFQLESTIPRVTC SGYSVHAPAVDASVLP PPVVTSPGSVALALALSL
LRLVSQSGSRLPIVALARGLDASDSDES DSDADSCAGSTGSRYESKPSWRTL TGFSLVY
DG

>comp9940_c0_seq1; 330 138 680 LEN=726; translated
MASHTARFLEKSVVPLLA KHPLQWSPSLRSGQVATASSIGSTRWFSDDGPKKRIVKVKK
KERKSAADTGRSRDLELLGLFDAPKTKPPPADEEETARRET VRRNYTIGTFRKHNEENH
EIAACKLKLKHAISMLPKRSNLKERALKVDDKHPPRWRTIPAWTPPIPDFNPSDFMVTEE

>comp9941_c0_seq1; 547 355 2010 LEN=2095; translated
MTFSTKQISLLHWWLLLIIIP SSEGFISPPPLNSNCQNRVARHAFRQNYDKTIVKDQDA
WASRISTRPSTDASTSQPLFGRRRRAVKGMAGAIASNFILPTLPALASPPSYAVPTPVDSA

FTSWPLGKVAFSLPLAGTSTRATVQTTIIEDSMWTHDQIQGVVNVNVPVRQTVIRLKD
GGLWVHNPVAPTPOVIEMMKELEKKYGPVKHIVLGTVALEHKATFGPFCQKFPKATVWIQ
PGQWAFVVDIPIDALGVKQKQRLRELVPVPGPATNSIFRTNSKYGPPEWQDEIDFEVLG
PITFQSVGAYSETAFYHKASKSLLVTDVVVGVDKNPPAI IQEDPRALLFHARDNITEVVA
DTPENRERGWRRMVQFGLVFFPSQITVVPAGEALKEASQVDRSMKNLGDGAVPINLYPWT
WDGNSDEKNFQVISNNGKLFPCPILTKLILDREPQLTLDWVDRVCRRFPDMNRIIPCHLN
NDIKMTAKDFSDAFDPLRSTPQNLKSQRPLAEDLALLQKASDLLTTLKVVGPSQVCDGES
ARIVGRFASLR

>comp9942_c0_seq1; 453 1 1384 LEN=1776; translated
RYNSSKGLKKPSVVRENASVRLQKADSSNLLPRFATISPVCGVLCIKDGGHRYRKILFSE
DVDETSTDFLNPIVASVKPSKTVEIFSLVKEMEAAGETVTSLCVGEPDFLPPKAVLDATA
AALQSGATKYTAVTGTADLRNAIAEDLRTRKGVDPANIEIVVGNQAKQCVFQGVLATCG
AGDKVIVPAPYWPSYEMVSLVGATPVIVEAKAENGYLITPETLRSTLEEHPEIKLIILC
NPSNPTGGVYQLEKLEALAAVLKDYPKVMVLADEIYERLVYEGDCPAFAGVDGMFSRTMT
VNGFSKSHAMTGMRLGYVAAAPQPLAKAITTIQSQLTSCAGSLSQAAGVAALTQVSEEMQ
ANVEIMREKRDYVLGELSKIIPGVEVAIPPNGAFYVLPDVSRYFGDDTKLCLLELLKAKKM
AIVPGSSFGAGPTVRLSYATSMEELGIAISKLEFLAENA

>comp9943_c0_seq1; 775 142 2277 LEN=2450; translated
MIAAKKVAGDGLRTKLIKSALIGAGLKTIDSNVLSKCVALASTLNLSPETMGEVWEAHS
LNKENLTELTMHQFESYKNELIKASSLAPIIPDVPPSSGSPMGATMASRKSIAIKRESPAA
ATMVTPTSSTKRQKQSPDDLVTSSVDRVAIDGNAVPSVRSRGTGVATVSSTTKKPINLP
KYEERTKVGHVVASYPAGSTRSERSDAARCPVLTTSSEGDSDKDDDFGADVTRFNIKAP
YRYMFTTMEDRADALQRHLVRMKDAIVEDINTETAKKMSTKQDDVAASFEEVNVPRQDPS
TCIGRICNEAHIGRLNSTSVVLEGSASSCGGARVNVLDLSQMSEQQQQQGYSLFPGQIVA
IEGMNGTGRKITATKVREGAPLPPASSSCGAIRKCYTDDKHSSPLKLI SACGPFTTANN
MEYQPFIDLIHVVIDEKPDVVVLMGPFVDVRHEAVKSGRPELDGVIVDYETIFAQNISGV
IEECFDSADLQTEFVLPALDATAKFFVYQPPQLDRLANGANLLDIPGADVDFGSSGL
HRLTKPQKNGKIRLRLCLSNPCTFRVNELVFGVTSTDVLFHMSVEETNANLPGSRMRRIS
QHMIQQQSYYPFPNRSVNLDLKQQDQGWKMPCRPDVLLPSRLTPFCAPIVGSTIAVNP
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>comp9943_c0_seq2; 687 1 2052 LEN=2225; translated
KKNVCSAFPVALASTLNLSPETMGEVWEAHSLNKENLTELTMHQFESYKNELIKASSLA
PIIPDVPPSSGSPMGATMASRKSIAIKRESPAAATMVTPTSSTKRQKQSPDDLVTSSVDR
VAIDGNAVPSVRSRGTGVATVSSTTKKPINLPKYEERTKVGHVVASYPAGSTRSERSDA
ARCPVLTTSSEGDSDKDDDFGADVTRFNIKAPYRYMFTTMEDRADALQRHLVRMKDAIVE
DINTETAKKMSTKQDDVAASFEEVNVPRQDPSTCIGRICNEAHIGRLNSTSVVLEGSASS
CGGARVNVLDLSQMSEQQQQQGYSLFPGQIVAIEGMNGTGRKITATKVREGAPLPPASS
CGAIRKCYTDDKHSSPLKLI SACGPFTTANNMEYQPFIDLIHVVIDEKPDVVVLMGPFV
DVRHEAVKSGRPELDGVIVDYETIFAQNISGVIEECFDSADLQTEFVLPALDATAKFFV
YQPPQLDRLANGANLLDIPGADVDFGSSGLHRLTKPQKNGKIRLRLCLSNPCTFRVNELV
FGVTSTDVLFHMSVEETNANLPGSRMRRISQHMIQQQSYYPFPNRSVNLDLKQQDQ
WKMPCRPDVLLPSRLTPFCAPIVGSTIAVNPGLTKGTTGGTYAVMEIKPMQKEKLERH
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>comp9944_c1_seq1; 389 301 1242 LEN=2067; translated
MAASADESFSSSSSSSSSSSSSSSKASAVVPGTAGQAPERGTAAAAPVTPPSEASPSPSPE
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QAGGPGGFLEHHAGGDERDGSNGNDGGYLDIGDERAMSKTAQAFRDIVVTEEKRLQ
THRHRWHAATTTTTTTTTTTAGGRGCGNRSVSEDDSAVAPCRPGPFGRQAHTLSLGR
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DSFPVYRPKDYGD

>comp9944_c1_seq2; 456 301 1425 LEN=2250; translated
MAASADESFSSSSSSSSSSSSSSSKASAVVPGTAGQAPERGTAAAAPVTPPSEASPSPSPE
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QAGGPGGFLEHHAGGDERDGSNGNDGGYLDIGDERAMSKTVRYLWVWLWVLAFFG
SHESWFCFFLFFFLSLSLWTPRCSSRFASQRHRPRRLPKQQRFIQAQAFRDIVVTEEKRL
QTHRHRWHAATTTTTTTTTTTTAGGRGCGNRSVSEDDSAVAPCRPGPFGRQAHTLSLGR
RRPTFRERLAMLDRREGSRGSGSGGDDSGGGDDSESGRSCRSSDRDETGGSEDVSDTETE
EDSFPVYRPKDYGD

>comp9945_c0_seq1; 462 34 801 LEN=1038; translated
MKLAIATMMIASASAFTAPQKTASTTALAGVPPDRPSAALPFAENGCPATLDGSLPGDVG

FDPVGFSTTPMASFFDSKTGAKDSMSDVQWLREAELTHGRIAQLAVVGF IWPSVFGTFPG
NEWTGVDAYSYKNPIEELEHVPGEAVAQLVLFVSLIEFRVSLIKAQGPDRLPDGLQLGQ
GPGPRINPNLDYTPPEQFYEKQVQEIKHCRLAMLGAFGLFCQAANGLDIGAQIGGALAT
PEYRAKAGYFLPEGI

>comp9946_c0_seq1; 246 1 343 LEN=670; translated
XHDLVRIFFQPHNYQPNFIMFRSTILLVIFMAVFANATILVENEARNPNAVRVLKKGKGT
APTAAPTQRQKGTPTSEEPSAAPSAAPSASPTAAPTSTSSSTTTTFFISTA

>comp9947_c0_seq1; 76 1 521 LEN=521; translated
SGEPSDAPHFPSATPSDSSDPSAVPSSAPSVPVPSERPSLVPSASPSFFPSAAHSESPS
FVHSSAPSASGEPDAPHFPSAFPSSFPSEPSVLASDPSFPGSSAPSSFPSPGVPSEGP
SSVPSLSPSKSXNAASDTSSDKASYTSSHTASYSSTHTTSYTSPDHASYTSSDE

>comp9948_c0_seq1; 216 1 351 LEN=746; translated
SQPPTPSGGEAEPGETTLQHHHQQLKDAMDKASSLAGGFFARVKSGVAHKLKKEEENSA
PAPEATIVDLPPAAVARAPASGGSDGDWTGTDIAAATDGI TNFSIGDDEDDADLLL

>comp9950_c0_seq1; 325 161 1195 LEN=1391; translated
MATTKDTADATMDVGFVVEEDWTIVEGGELRGMKHKDGVLSLSENTRDVRWRKMP
SL
EYESLKKLDDLKHSRYIKNLHESVCRLSNLEVLVLRCEKLITLPAQIGNLSNLQELNLT
DASELSSLPESLGNLSNLRKISIGGHQGSNKVLRPLSTFGNLKSLEILCLDKCKELES
LPPDIGNLKNLKVLMRECKAVKELPKSIGALSNLVELSISKICIGLSNIPPELGDCGNLE
DLIMNKCKNITTLDPNICNLRLCMLDLRACKKLIILPSQIGRLTNLKFLLDLRTCKRLET
LPKSLGELTKLEFLDISACVDLTVPRSLEKFKDMTEGW DENRVQ

>comp9951_c0_seq1; 303 228 1772 LEN=1942; translated
MSEDEDEDGSDNGIASNEYKNGCDDPYEKAKRQLALFFEKESAFPEDLRSFLKGQIELF
VVHATSRANAWLCDLAVDHRKKEVDYGRHIRAVA EVFPD SLLHRSSSDHSTCPI TAACGH
HLTVEGPGGECLQRRWVSSCETIRYVPLLARLGQKHHKHLVGGAGGTDRNHNSNGTRPQ
PVTPERERVRVQGRNKPPRRHSCPLTPLRTALEHLTNCTEEDEQGDSPSHQHAVDV FSA
RAMERLRESGLSDGDIERCNLVDVCLLRWGVPRTLERLRFVGVHVPGLRAGRRGDLRA
PSSRATPYTRAEGDTLLHASVKSSLDRTDLGAFRCVLELGEHFAADLGLFHFANPRGAT
PYRLACAWFGVHKTLSAVRAVVVAGGAVSGESFLRAASDPEIHLDSLQFQLEQCPSLLPQ
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KYPRSHEIVTDSFGAVELLPPAPRASRRLSLGRXW

>comp9952_c0_seq1; 918 295 3975 LEN=4217; translated
MEQSGCVESDYPLRLSRLSSSQPGQAQKQTTTTNNTNNDNRQSNPRDKAGRGRREGGHIR
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GSTIFSSGDASDDDEPNDENSHPPSLPNMRSLETSPMPAIPDEQDRKRFVGLAAVLSM
YDYESYELLSKEKRKTNRDNGGDGDTDNDNDVSGFFDFYESDDDDGDYSIEGYESSKQNA
TDRSRTNNPNRDKINKPGSSVNKNI PVLSSAPTNDTDFNFYSHRCQSFESMGSSVTSTT
GTPPASSATNNRAIPPLPKTKPTFRQQAANAQKMKPSDTTSDPKANLSRQRYLSRRYELY
SGLLLSSSELLLLDKSIARAFPLMRSVLVLPQIHKHTHTQVTNDDTSTSCNKTYKKQEQP
QHKNEGDTDPSTRPPEIHLLDNPDELSPFLDSLTPGAGFRCVSLLLLQHLLTNENGYDA
RIRHAVKKSILVLRDANEDPFEHILSSRARNKDRDARPSGAENVQTQRKDLR DYERRK
LLQATRTFEALEQNIARRLILLSSPGTKRNSASKKYDGSKRKTQSANVGF TKEQLVRGV
KIGGAGILAGTLFAVTGGLAAPGIAAGVA AFAGAAAGTAAVSALTSAAVVTTIFGVGGGG
LAAVKMQRRTQGVTEFEFCRETKGRPDRRGRPNPENGDGNEEKLEAELFSILCISGWLTD
PCDYQRPWGLQPTHPRIPDRLEKLERFYSIHSPDHLPKCERILNSWKGELEVELWRVLRK
YGSDDPNI FPLDCVHDSNGDVVKRQGALTLDQEEILDKLFVELGYHSVAPEQEKAAQNEH
EHQMSPF EKMRNGWKKRSFNRRSGSNMNEKDENS DSIHG PSSQRILAIQNNP SMSGDSI
LHKYDSDS SAELEKRKVEE EIPYEP RHLSTVWDWKT TYGGEMYTVKWE SALLTQICDCV
MDLAVDVVSGATRILKQTVLHTLLSAVIWPTYLLNLAHMIDGDWTIAVERADEAGV VLA
KTL LYSRAGR RPVTLVQVTSFGARIIY SCLKELARYQEWEHYQELLEESNAATNGQNHHE
HRLLTRFKQKMKGMREPASIVEDAILLGLPNHLSLSSWKACRQIVAGRLVNCYSNNDLIL
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RIGFGEPIKFVDDSKIKDAVTILSDA

>comp9953_c0_seq1; 567 157 1701 LEN=2233; translated
MTKFPMNLPSPRMLRALSKNSLDDLAVMAGEAESAKNIQT TARTEGNSTPSPAFSKTKT
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SLFRDVNNATTKISADHDANTGGVFDGSCQNSECDNFYALKMSKTFDEDDENSVQEGD
SIGGGFALDDFKFIRKLCGGGTADVVEVLDTASCALYALKVQKATEDALCELDLHIPLRH
KNICQMVDYFYSDTKPFAHEGCDVVSHEKVDASDGNAEVSYLCTILEICDNGDLARALDE
YEMIPEKLAATYVMDIINALTYLHSRDMIHCDIKPANCLLDGNGKEAIVKLABFGMAVTA

DAKEIVGGSPVYMAPEHLLAWRDMTDFDHTTDDIYSLGVVLYELLLGYLPYEVLEAEQKV
QQIDESSGDSVESITKSLMAASVTNGDTINNSIDCGYPVLDLRKLNLDASSDKPFYIPPI
FIEEISDEAQLLRLMEPTASKRITLEEAKDHEW

>comp9954_c0_seq1; 258 1 1116 LEN=1372; translated
LASVGI AVHVEFHSVVAFVRLRQTASRQHNDRMKPSNTAIGRGTALAFLLWFFAGAVAVA
SGWTTGIATGTTTRASSTPDRHREIGTSSSRTGPLRTSSPGEPEAARPPVEGLATRRELVA
AAGGCLGAAAVLAARPAPSGAAEPLDAGEAIRRGASNLPGYSSDVFYPPGSFAGSWKMTR
EVEFPSSPNVLRLSYPVRFVQSIEDGAVVADRGYNQAELEAALARTRSGASGPDGSAPEP
ASPAVRSYEWVYPNPNVLRVVLSSGTQKEIKVTKRATERTEDTVSSSEFQRVTTQEVAGP
NGNNNNGVGGIPDISARRVVS KWKRVDSTLEGIEIVYAVGGGDPLSAGLSSSPQAAPR
ILSKSRLYLVR

>comp9955_c0_seq1; 1665 1 4784 LEN=5244; translated
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VSAPVQGGPQTQNGSGNRQVSDRQQVLRHQQRLLLRHAAKQCQHDDGRCPVTPHCAGMK
RLWKHIAECKDQKCLVPHCVSSRYVLSHYHRCKDVRCPVCGPVREAIHRSHEKQKQMQUAL
KQRHQQAVQQNQSEGAPVGVAPVGVPPAQVQHVQVQAPSSVQGVAPPPQQQPLQYPPQPTAP
KSTMAAEPNKRQRIGVPMQYQQQPVPAPGQPIAPRNMYPGSPVPTSSTTSLPPQPM
IQPPAVSSFAPKQPPMAPQPGVNPAPVPIAKPAAPPKFFANGQVITPKFTGPKPQEDHTLI
NCFVSVEQIETHIASLNKGLQLPPAKLKASCLDVLKLNLSHQHGWFVNSPVPDVELGLPDY
FEVIKQPMDLGTIRKLENGCYHSLDDFHNHVQITFDNAMLNPEGSVVYMANEMKTKF
IQDFENLMKQLNAEEDAKRRNGEACSLCGCEKLLFEPVVFYCNHNCPSKRIRRNSSYYYV
GGNNQYHWCHQCFGDLKDGQLLELADASIRKEQLIKKKNDETHEESWVQCDCRERWVHQI
CALFNTRQNKDQRSEFACPRCTIEERRKTGRLEATSSSTPMAEDLQRTKLSEFIESHVGRK
MADHLKGLAEKVKQKDGVSIEEAKASVTMGGEITIRQVTSMDRKLEVRERMKKRYAFKKY
PDEFTYRCKCFVVFQNLGDVVDVILFGLYVYEHDEKNPSPNDRTVYVSYLDSVHYMRPRSM
RTFIYHEILISYLDYVRRRGFSTAHIWACPLKGGDYILYAKPEDQKTPKDDRLRQWYID
MLVDCQKRGIVGKLTNMYDLYFSNRENDATIVPYMEGDYFPAEVENI IKDIEEGKVGGKK
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LGETIQPMKESFIVAFLAWKGARKEDMVVPKAIQEYREKHNVVVEDGPDDEEYQNMREEKE
REIAQKKEKSSDVKSGATEDGQSKDVVMKDSVAENVNDGATRVEKSADGKIKETVKDDDN
VSKDKSKPENESKSEKSEEDVQEKADNAKGGATAVVESENVERAGAEADIKSDGLNET
SKEGTKDKNAENIESTSQTQQPSEKESQVKSEATTDNSSIKIEKKDDGDGSKPNQMEVD
STSKSTEGKDALSSAKPATTQNGAGATATAVPTTSAGVEKVEATKSLSMQERSGKFAAMA
KKRGFSGEEKSDTGDKKKEKSKAKGKEAEAAPVIYVLDKGRVVKVIDDDAEEMDCEFL
NNRQAFNLNLCQGNHYQFDHLRRAKHSSMMVLWHLHNRDAPKRVQCTTCSREILSGYRFH
CAVCADFQCKECINPNPIPRPHQLTRIAVSGQOQTELTEAQRKERQRSIQLHMTLLQHA
ATCKNPCKPSANCTKMKGLLKHGAQCTIKATGGCNVCKRIWALLQIHARQCKATQCPVNP
CMAIRERVRQLKKQQQAMDDRRRQEMNRAYRGAR

>comp9956_c0_seq1; 463 119 2130 LEN=2187; translated
MPSSLPENLEGLIPDDTQRALLEDLCEELGQAHLLDAYCEGGSVDDDKLRSQCQLVKL
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EKVGFVLVAGGLGERLGYNGAKVGFWDRLYADFCLKNNILAREKCTPEYXFVTEYLKLN
SDIXNFMIGLPTESTTGTLYIEYYASYILAAEKKRNDGKFLPLCIMVSNDTKEPTLRLLR
ENKCFGLKRRQIYIVQQGDGVPALVDNEAHFAVDPDDPYRIITKPHGHGDIHSLLYKEGV
TKEWQEKLDIEYMLVFQDTNGLAFHTLPLLLGVSKQHGFIMNSLCVPRKANQAIGGITTL
TNSSTGQERTVNVEYNQLNPLLRSTEEFKDGDVNDESTGYSPFPGNINQLVFLHDSYNKV
LERTKGVMPDFVNPKYKDNKTKTVFKKPTRLECEMMQEFPTVLSTEESTHVGFQAAAASICF
SPVKNVADGAVLQAKGTPPGTAATGEADQYAAPRIFLRSGLCDVKDADPVVYNGIEVVP
GPAIVFGPDFACCRELEAKFPCEKVKISPRSTLVVRGSDVVIESLDDLDTLVVDAGAR
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DSDVPEVNF

>comp9956_c0_seq2; 240 119 646 LEN=1402; translated
MPSSLPENLEGLIPDDTQRALLEDLCEELGQAHLLDAYCEGGSVDDDKLRSQCQLVKL
DGGYPGGLRSYVQKAKKLLQDSKAGVNPLDGWAPSVPPQGESFELGTDKYRETESKGMELL
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>comp9956_c0_seq3; 371 1 1583 LEN=1640; translated
ESPLNSAPTINIXETESKGMELLEKVGFVLVAGGLGERLGYNGAKIGLPTESTTGTLYIEY
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FHTLPLLLGVSKQHGFIMNSLCVPRKANQAIGGITTLTNSSTGQERTVNVEYNQLNPLLR
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>comp9956_c0_seq4; 213 1 680 LEN=855; translated
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>comp9958_c0_seq1; 553 221 2697 LEN=2750; translated
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LYSYRHPYFFQQTDFDLILLKLRDKSAKPPIRLNDDPKLPDVSEGSAQNVVTVAGFGKT
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DGINLNADGINLNDDLLPRV DLTGSLNPISATAD
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>comp9958_c0_seq2; 585 221 2556 LEN=2609; translated
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>comp9959_c0_seq1; 569 164 1702 LEN=1958; translated
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>comp9960_c0_seq1; 435 258 812 LEN=993; translated
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>comp9961_c0_seq1; 1807 626 7014 LEN=7114; translated
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>comp9962_c0_seq1; 355 516 1364 LEN=1546; translated
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>comp9962_c0_seq2; 588 370 2517 LEN=2699; translated
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>comp9962_c0_seq3; 616 370 2433 LEN=2615; translated
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IDDPAFGQSL LQHVACVVLQQR LRCHLSSIDAIAFICDGSILPRKSGTSAAPMESPPAVP
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KSTLLQAI SVGHFDKIPGDGREMCVSI SDAVSIRAEDGRYVNNCNI SAFISNLPTPPGVK
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GHVEYAGRGVVHRLQWEKKGTPKLRRPADAFSKRFSDV VVSLLDGGYALALYKEHDEES
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>comp9962_c0_seq4; 540 370 2556 LEN=2738; translated
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>comp9962_c0_seq5; 512 370 2640 LEN=2822; translated
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IRAEDGRYVNNCNI SAFISNLP T PPGVKATIDTEHFSTRDSSGSTSQAANVAEAEIEFGAK
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>comp9962_c0_seq6; 355 393 1241 LEN=1423; translated
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>comp9963_c0_seq1; 187 1 1180 LEN=1366; translated
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>comp9964_c0_seq1; 1125 471 3920 LEN=4296; translated
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>comp9964_c0_seq2; 699 142 2202 LEN=2578; translated
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>comp9966_c0_seq1; 10 1 515 LEN=515; translated
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>comp9967_c0_seq1; 334 438 1862 LEN=2305; translated
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>comp9969_c0_seq2; 812 353 2361 LEN=2361; translated
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>comp9969_c0_seq3; 843 353 2190 LEN=2190; translated
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>comp9970_c0_seq1; 447 179 1534 LEN=1810; translated
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DRTNDSAHSMYGVFVGNLPPFECSWQALKDFFKSCGPIERAEMEDPKTGRKKGFGLVYF
ATERAMENAINKFNGRDFQGRTELEVRKDKKSSSHTKIDNGTSSEAGGFRI FVGNLDFDCS
WRDLKDFARQRCGRVEHADIPKRGWGIVTFATHRDGAEAIRRLDGLMFQDRRLEVRWDRD
SSNREDRPSSSSSSSSKQLYVGNLTYDCTWQNLKDAFKRFKAVSHAEEVCETASGKTTGFG
IVAFVKPNCAERAMNAMDGTDFQGRKLSVRWDRKPEKLEAEKSGNPNNARREQKRQSAPV
SQNNENSGNGSDTGMEMEGNPLDRALSSGR

>comp9971_c0_seq1; 411 93 1556 LEN=1667; translated
MENKVGIEADVQNGPSGIDISIIITCPKTLRERNRRKSDIETLASTIDRRKHKRIKVTTWE
RKMFLGRCLDIKKEGGNLSRFSVKELEEREVEELKEKVDRRSRASGWVDEISKLCGYWNP
DRSMLRFLFAAGLDYTKNSDEDEFYFRDFSFYYTELASKFRLLRIPGVFITLWLLIYYLGS
AVLFCGIMKNENVCPTQSGSNHDGWVTSIYFASVTMSTVGYGDVSLYSDGQNKWITFVAI
LYMLGSMIAIAFTVFTKAAEMTFDEISGNRLMSFFKKRITENPDVPLYRQVRCLVLRIVE
LVFYFVVLNGVGVGIAKIFLVRSEDEDEHQWNLMTTIYWAVQTTTTIGYGLDMPFNLRWF
NIFFTTFTGTAFVGSVFGSLASLRDEIHDHRRYYAWSRRELSKMMVNELQTNDKLDQNEF
VLGSLILLNKVKSNDIKQIMDKFRELAGDKEYISISEMDQDQTTALVESTGRKGGVSKSN
CDFVDFG

>comp9971_c0_seq2; 282 93 1190 LEN=1806; translated
MENKVGIEADVQNGPSGIDISIIITCPKTLRERNRRKSDIETLASTIDRRKHKRIKVTTWE
RKMFLGRCLDIKKEGGNLSRFSVKELEEREVEELKEKVDRRSRASGWVDEISKLCGYWNP
DRSMLRFLFAAGLDYTKNSDEDEFYFRDFSFYYTELASKFRLLRIPGVFITLWLLIYYLGS
AVLFCGIMKNENVCPTQSGSNHDGWVTSIYFASVTMSTVGYGDVSLYSDGQNKWITFVAI
LYMLGSMIAIAFTVFTKAAEMTFDEISGNRLMSFFKKRITENPDVPLYRQVRCLVLRIVE
LVFYFVVLNGVGVGIAKIFLVRSEDEDEHQWNLMTTIYWAVQTTTTIGKHLNLYYGCNQC
KVIVM

>comp9972_c0_seq1; 561 33 1295 LEN=1400; translated
MTKALEHLDLAGGIGKSHDGIRLRTSSLVQSKEAISTTQQKMDRYQMMPYIQIDHPFHLK
NDLKFAFTYSDESVSIGSSVCSGLRNSLHSSLSSLSLEYTDLDFSSSESSCEEGSSYAMEE
TPSWRLSPEENQSDWTITIESVPEGTISRHYVHKKALINNGHKGSDFFARLINETDITET
KPIKIHEDAARLIENMLDYMAYAIIDELDISSDAIGLRHLSQFFGIKGLARRVNCFINED
VSLENMESYLETTSAFDDMQTTLLADRCAEEIENISPLSSLVGEMDPSFILSIVSSRKF
NRRKHSSHMSHIMTYGITQRGAIDGHVFQELTAEYLPYVDQEAALPLLIIEAALVRES
TDESTPLSSLQLRCIEGILPMFSSANNVSDAEKKSQTAMLKIPKKVLAEILSMLPIK

>comp9973_c0_seq1; 414 227 1171 LEN=1337; translated
MEHFKNQKLIHKRYVARLLLSCCKYFESVSSLTEIEVPTEPPEHDPTTAPRVTVCGDTHG
QYYDVLNIFEDKNGYPAATNPYVFNDFVDRGSFSVEVILTYLLWKIHDPGCIYLTRGNH
ETKNMNIYGFEGEVKAKYDDKIFDLFLEVFSFLPLATVIGKKVFIHGGISTDEKFMFLD
DIRKIKRGCEPPETSLMSDLLWSDPQFPFGKSPSKRGVGFAGPDITSNFLERNLSSLV
RSHEVKEEGYLLEHGKKTITVFSAPNYCDTMGNKGAFIHFDKTLQPKFTQFESVPHDPVK
PMAYSAGMSGMLGL

>comp9973_c0_seq2; 608 207 1757 LEN=1923; translated
MSTDDKNI EQDGISANESKALDLKNQNDQLKIGHFLQAIGFYTEALEYSPTNAIILSNR
AQAYIKVENYGLAMADASAALSDPNYAKAYRRGSSQFALGHLKDAKKDFRTVCVLPNK
SKDARAKLKACEKAIREEAFRKAIESEMTVPLSDSYDPNSIVISPDAYDGNPVPVSGVTD
DMELEASLFIPGKLPREFVLAAMEHFKNQKLIHKRYVARLLLSCCKYFESVSSLTEIEVP
TEPPEHDPTTAPRVTVCGDTHGQYYDVLNIFEDKNGYPAATNPYVFNDFVDRGSFSVEV
ILTYLLWKIHDPGCIYLTRGNHETKNMNIYGFEGEVKAKYDDKIFDLFLEVFSFLPLAT
VIGKKVFIHGGISTDEKFMFLDIRKIKRGCEPPETSLMSDLLWSDPQFPFGKSPSKRGV
GFAGPDITSNFLERNLSSLVRSHEVKEEGYLLEHGKKTITVFSAPNYCDTMGNKGAFI
HFDKTLQPKFTQFESVPHDPVKPMAYSAGMSGMLGL

>comp9974_c0_seq1; 618 158 1845 LEN=2000; translated
MTNLMTREGLGVFLALMAVFXDHYAASFLLNQATRAYQPAPFDRSVVKTFTSTPFSASSG
RNNERDNKNNSRKPKKSVTDRSQEEAISLIQDIIRAAVDAGPQAGPVRTLQAYKAFSETA
REFLPRFGQSPPVFSAPKATRTLFEKLGATYVKLGQFVASSPTIFPKEYVLEFQKLLDKT
EPVEWRIIKRVIEKDLGPIKTFDFVDEKPLASASIAQVHAARLKTGEDVVIKVKPGID
ASLKADLSFVVASRVLEFLQPDWERTSLSGVVDIRSSMLEELDFTKEAKNTEEFRRYL
AQNNLLNKATAPKVYQDFTTKKVFTMERLRGVSMLEETLTKVTKDPEVGQQAIIISALNI
WTQSVMQMPWFHADVHAGNLLLLDDGRIGFIDFGIVGRVSDKTFKAVNELSTSLALADYK
GMAQALCNMGATDEEVDVEKFRDIEVVMKRIASVQPDITITEMQDGAIGGTLDFDETEI
TNLLLLLEVEITEDNGLKLPREFGLLVKQSLYFDRYLKILAPELDVMNDARVSGLGEEALK

TTSMPMVNGSGGNTDESIVIDV

>comp9975_c0_seq1; 401 609 1463 LEN=1675; translated
MTAISTILSCIALPVNLLLYANFNSYNADVISDLWVSVFVALAIVISAITMGLYMSHQCH
SFKFNMLANKVGNIAAGFLLIVFSATVTNGGDAGSRIWSRHWTIFYVATIAPCVLGLIIASG
LASLLNLRKPERMTVAVECCYQNVGIATSLALTMFRGNDLNEAMGIPFFYGMVEALFVGS
YCIGCWKAGWSKAPADASIWKILYVSYEVLEVEMRDIDEIEVSMSESTDGSKPLEKSEG
NVLTTYFEMIDKNEISPSMPKAPSGQVPSRRQLPRFETCEGTLT

>comp9975_c0_seq2; 228 1064 1459 LEN=1671; translated
MFRGNDLNEAMGIPFFYGMVEALFVGSYCIGCWKAGWSKAPADASIWKILYVSYEVLEVE
MRDIDEIEVSMSESTDGSKPLEKSEG NVLTTYFEMIDKNEISPSMPKAPSGQVPSRRQL
PRFETCEGTLT

>comp9975_c0_seq3; 457 211 1353 LEN=1479; translated
MMSLLEVVGNFLLFALVFGMSATVDTECMKQOVKNRKAIMLGIFCQFILLPFLGFVAVNI
MQLNANLGITLLVVTSSPGGSYSNWWCSLNFADLALSVTMTAISTILSCIALPVNLLLYA
NFSYNADVISDLWVSVFVALAIVISAITMGLYMSHQCHSFKFNMLANKVGNIAAGFLLIV
FSATVTNGGDAGSRIWSRHWTIFYVATIAPCVLGLIIASGLASLLNLRKPERMTVAVECCY
QNVGIATSLALTMFRGNDLNEAMGIPFFYGMVEALFVGSYCIGCWKAGWSKAPADASIWK
ILYVSYEVLEVEMRDIDEIEVSMSESTDGSKPLEKSEGNLTTYFEMIDKNEISPSMPK
APSGQVPSRRQLPRFETCEA

>comp9975_c0_seq4; 225 1064 1450 LEN=1576; translated
MFRGNDLNEAMGIPFFYGMVEALFVGSYCIGCWKAGWSKAPADASIWKILYVSYEVLEVE
MRDIDEIEVSMSESTDGSKPLEKSEGNLTTYFEMIDKNEISPSMPKAPSGQVPSRRQL
PRFETCEA

>comp9975_c0_seq5; 228 1165 1560 LEN=1772; translated
MFRGNDLNEAMGIPFFYGMVEALFVGSYCIGCWKAGWSKAPADASIWKILYVSYEVLEVE
MRDIDEIEVSMSESTDGSKPLEKSEGNLTTYFEMIDKNEISPSMPKAPSGQVPSRRQL
PRFETCEGTLT

>comp9975_c0_seq6; 460 211 1362 LEN=1574; translated
MMSLLEVVGNFLLFALVFGMSATVDTECMKQOVKNRKAIMLGIFCQFILLPFLGFVAVNI
MQLNANLGITLLVVTSSPGGSYSNWWCSLNFADLALSVTMTAISTILSCIALPVNLLLYA
NFSYNADVISDLWVSVFVALAIVISAITMGLYMSHQCHSFKFNMLANKVGNIAAGFLLIV
FSATVTNGGDAGSRIWSRHWTIFYVATIAPCVLGLIIASGLASLLNLRKPERMTVAVECCY
QNVGIATSLALTMFRGNDLNEAMGIPFFYGMVEALFVGSYCIGCWKAGWSKAPADASIWK
ILYVSYEVLEVEMRDIDEIEVSMSESTDGSKPLEKSEGNLTTYFEMIDKNEISPSMPK
APSGQVPSRRQLPRFETCEGTLT

>comp9975_c0_seq7; 225 1165 1551 LEN=1677; translated
MFRGNDLNEAMGIPFFYGMVEALFVGSYCIGCWKAGWSKAPADASIWKILYVSYEVLEVE
MRDIDEIEVSMSESTDGSKPLEKSEGNLTTYFEMIDKNEISPSMPKAPSGQVPSRRQL
PRFETCEA

>comp9975_c0_seq8; 398 609 1454 LEN=1580; translated
MTAISTILSCIALPVNLLLYANFNSYNADVISDLWVSVFVALAIVISAITMGLYMSHQCH
SFKFNMLANKVGNIAAGFLLIVFSATVTNGGDAGSRIWSRHWTIFYVATIAPCVLGLIIASG
LASLLNLRKPERMTVAVECCYQNVGIATSLALTMFRGNDLNEAMGIPFFYGMVEALFVGS
YCIGCWKAGWSKAPADASIWKILYVSYEVLEVEMRDIDEIEVSMSESTDGSKPLEKSEG
NVLTTYFEMIDKNEISPSMPKAPSGQVPSRRQLPRFETCEA

>comp9977_c0_seq1; 269 74 814 LEN=1088; translated
MTTNVEKEEIDDSAVKSLAGRGDSSSLPASDDKTNDDRMNTMEKSFTDESNDDESDDFDD
MESLLPNSRDVDSGNSSSRTKSKIESFNIDGESDDVDENSILRKSSTCCGLVKSTRVGN
MRILFPQYLQSSGWGLPHTLGPVFWLLLLVATHGILGGINRHGLGMPSVVVAYLFLG
VATYRLADVSRDPGICLDQEIPGYETPERASQYRFCRCKIWQPPDGVHCPQCNCVAVG
YDHHCVW

>comp9978_c0_seq1; 551 132 1139 LEN=1219; translated
MKAAVIREVGDADAMKIETDYPPIPSMGPQVIVKNEYAGINFIDTYHRSGLYARDLPFVG
GQEGGTVAAVSDEAAAQGIKVGDRVAYSILQTYSEYSAVPAKLLPVPEGVGLDVATSC
VVQGLTAHYLTASAHADLIKPGEWCLIHVGGGTCQWAAQMAKLQGFKVIQTVAKKADV
AKDLGCDELIVLDEVPGMSFEDYESVDVVERVMEVTDGVGAKCVIDGIGKSTVDISIGSL
AQRGIFVSGNASGAVPAFPVLRILIGKSAYVTRPKLLDYTRDREELLWRAEEIFGWLKDG
KLNVSVDTVFPLDQAAEGHKYLEAGKSKGVLYKI

>comp9979_c0_seq1; 301 240 848 LEN=956; translated
MRLARYALLASTASRPSSAFSPSGSAAPGSLRLREMSSSSSPPPLPCLADAPSIPLRNGM

SHP SIGFGTYKVGFPASASSAVATAGAASASSSPGRTAE ECVGDALALGYRFLECAEFYG
NEADVGRAIAASGVPREDLFLCSKVWTTTTIEEGPEAVEA QLEQTLSDLGTDYLDL CVGVA
VVVVAVVVAVVVVVVVVVAVVLW
>comp9979_c0_seq2; 80 568 687 LEN=687; minus strand; translated
MRALNVFRLLSLTGILATAESTNHISEGLDKVSD ETAGDS
>comp9979_c0_seq3; 114 1 690 LEN=1443; translated
SVLFC SVLLWGALRPPDPLPLPGRTEHRPPLFCGLRRYLIHWPVPGKHVEAYKKLQELSA
AGKIRGIGVSNYSWEDYLELKEADGVTDLPLVNQIEINPFLYRRETIDRFLSEG VVLQSY
RSLRDGKAFDDPTVARIAASRGRTPAQVLGRWCHQRGFVYVPKSVRKDRMAENAGVDFE
LSPEEMDDLGLTTPEALETFRDLYRKCVNRDTSKDG TLEGVKTDITIG
>comp9979_c0_seq4; 357 240 1343 LEN=2096; translated
MRLARYALLASTASRPSSAFSPSGSAAPGSLRLLEMS SSSSPPPLPCLADAPSIPLRNGM
SHP SIGFGTYKVGFPASASSAVATAGAASASSSPGRTAE ECVGDALALGYRFLECAEFYG
NEADVGRAIAASGVPREDLFLCSKVWTTTTIEEGPEAVEA QLEQTLSDLGTDYLDLYLIHW
PVPGKHVEAYKKLQELSAAGKIRGIGVSNYSWEDYLELKEADGVTDLPLVNQIEINPFLY
RRETIDRFLSEG VVLQSYRSLRDGKAFDDPTVARIAASRGRTPAQVLGRWCHQRGFVYVP
KSVRKDRMAENAGVDFE LSPEEMDDLGLTTPEALETFRDLYRKCVNRDTSKDG TLEGV
KTDITIG
>comp9979_c0_seq5; 80 704 823 LEN=823; minus strand; translated
MRALNVFRLLSLTGILATAESTNHISEGLDKVSD ETAGDS
>comp9980_c0_seq1; 763 262 2160 LEN=2251; translated
MIGVPYKMCVFMFIVLSAFCFNTGLSWDMKRARSSAAGADRGMESYRRNLSYKKVEAF
RCDEDNQEISTAIYNTTEAPEDEDEKSLLDAAANLLDETFSSKKNSTEPEPLKTLGEVGY
PIRICFRATSKAESNDVHLLKVDDFTFLKYRTRGDVSAAGPNRQIPKII RQRAVDHGIPL
SSHLTEVICNPGSDVCAVETTLTG YFFLTAGTIYGRGTVLMQRGKDESSEQDDPLGTRSR
SLQHIDTFEDVSIELDFIGNNGRGKMPKFRNTI ILMVIIVIVFFLACYTTIFCGGLYCC
CIDFFAAKKESYEEYITYLDDYEDIEKGVPSQIEIEIEHWMGMKTESEFGADRTE SIHS
DEISTDDDYFSETESLEDNNYWDVIAAEEEEKYKSMAAREPEIDYDQEYWNEVGDEYEQE
DDFEDLYERQDGHYDINKDDEQGEHQDGHQDGHQDEHQDQGEHDDDEYQDGHHQYQRE
HISYFGSDDDNWNNSGDDQDEDRSVII IETKEPRVDPKAKKISSSKKSKKSKSSSTSLK
STKSDDCDKSDGLSADDTDVPKPKSKSSSSSKKSKSKSKSSKTKPSLGSKNSSMITIDI
NVDEKSFKKAESKPSKSKSSATKKKSKKSK
>comp9981_c0_seq1; 666 90 1814 LEN=2069; translated
MGNAESGPVDDAEFSKPPAKATAVGF TKSSILAYPRDSRFSHSPAKTQKESRGFEHTDH
SRQQQEDTRDQPCEMP KAGMYRDESPNFPTTPYKLPNGKTVHMIQVDKISSQELTAKGSN
KKGRNAQPSK KDIEANHLLOSILHLDAETTEATAAVYHSLET KCVDDNFSAAGRAHQVVR
HIKDELKKGNSKPAYRFLETAKTVLPV LREEAGLQLEAGIFSEDEDLAFSAHPPRYTNN
DDTRSISNETAAIFQYLDTGADNKLPTKDP SGSKNVQNSLGLKDNIFRILEENEENDP IN
REVYHLVRQNE LLGNNGNLDLHNFNDPNVEDMDLEFVENFDLAYS EFLFLHPKLVVKSP
DLMNLR IYK LQKFLEYNE ILERKNAEKLD SMNAEKRIAE EAMQRK LKGAMR KKAARQTF
LQSEVNDVNLKTKQLQTKLRWILKYSEGR AKRQVKLREQFKTIPHARTREDI IQLIPEG
QFSK KLETAIKASFVAEGSPHPDVLSPRQE QKFREIQVENSMLNSEIEMLNKRLAHLQSD
ANKLEWVQSTLAELDPV SMLK LKQKIEKKEGITL
>comp9982_c0_seq1; 167 539 1048 LEN=1143; translated
MDDL FQSSKDQGHVVI GQDFVGGKASIRRVFGPGANAQALLTCGGEELAQNASFDPNYEM
SKDWIRSRVGPVLSSTLISGLVGALIEASF PQTVPQNASLSFLRPLIVGMEVAASI QV
ESISESKRDDKTTSGAANGSAEKGYEILLSTRVIRVQDDAVIAEGYSTVW
>comp9983_c0_seq1; 555 112 1275 LEN=1303; translated
MTRS RPFVVFVFLTGVSMLSTVVVVGFVNPSLSTSASGSSFGAIATTLRYAAETS FQDEQY
YRSRPNDMKVVDVEVESKSYVYIPQNE MADAMNKA EK SHEEECEDLQKVIDEQQELQR
LKERNQKAHLAERMQYDHLSEDETVSWDENHDEKMKRTTDR LVFLTSENRR LQAEL EER
VRFELERGR LQKVEEAREEAEAHHFLCLERSYFETATK LLEVGLERETNNVKALEDRL
MQTNQQGFHGT PHHHQPYSEDTPHFETLGEPSGAYEQQQGHNHHHHHHHPGFHHYQH HEE
QFEPRVRPQGYHQENYIEMQH EESFQSHQPQS FhmehdvqTTQQHSGPGSDAIS SHRERV
TATTTMGASSIGDTVGINHIRDSYR
>comp9984_c0_seq1; 445 372 1751 LEN=2890; translated
MNAQFQSLFENVCRFCGH TPTSRRGGGLAGEPLEISEG SNDKTS GSKNNKDRKITQVNSQV
SSHDKRRTNQLKLN DKQYDELFEKAQNASSGRKKSTHKQTASGAQSRSSYGP RPDPGS
GGNKNRSGN SSSKNNSDIDNETAQALAQAKQAANPPRYRIKRKRSSQTREEIFRHKNGM
SNGQKPQNSSRKS SSSSSTKGGPATDFSRLLNPSLALCFATPVRGTEEEQEEQDLKSVDCS

DTATLNTNGEDTITSTLYFDSKYAHIQESTPPMELFNEFKLGQAKDEIRTIMATDSHSSV
RMMQILQQQHFQQNQGREQHRPVEGDVGLSSNSNRQQLHQQERQQQAPGSQQLKTGRS
SRATSQKTTTQPASSTANTNTTSTKQSSSRMINPEIKTKSNDDTQNNQQLPPGSNNKKQIK
KQIHNRDEEMQDVVDPVKPLSSSTDSSRFSTTPATROY

>comp9985_c0_seq1; 1360 581 5509 LEN=5509; translated
MSAQQAGAASLGMASENFYSRVRLRRVKKLQFGVVDPNELRQYSVTQAITVNGRQIPAG
VTKYETQIQGQPVYGGVNDPRLGTLHDKSNPGYFGHLELARPVYHQGYFNTTLKTLRCVC
FHC SRMKTMDHEKMQVASKIKKRGRKLNFAHDLRLRNVKKCDHCQGSQPKFTKVGLHLEA
EFLDDDDGGGGAMGGDSKQFLSGAQAVKIFQTMKEEEMKILGLD'TTFARPDWLLVQVLPVP
PPHVRPSVSVGGGAASEDDLTHQLVNVVKSNIALSNAIQNGEPNIIIVEQFEQALQHNVA
FMNNELRGMPQVTRSGRPLKTLQQLKQKEGRLRGNLMGKRVDFSARTVITADPNLGIH
QVGVPRSVAMNLTVPDRVTAFNITELSQLVANGPTTHPGAKHIIRNDGTRIDLRVKNKS
ELLLAPGWIVERQLRDDDVIILFNRQPSLHKMSIMGHRVKVLDWSTFRLNLSCTSPYNADF
DGDEMNLHVPQSI AARAEAEMLMSPRVVVSQSNRPVMGIVQDSSLAVQKMTKRNCFIP
KDLTFNMLMWKWNWRIPPIPAICKPEELWTGKQLLGMILPKINLHAKANTGPPVGGDGK
RMPNTFNAYDNKVTILEGELIEGIIIDKKTIGKSMDGLIHTSWLDQGHEETARFMNQVQQL
VNYWVLQSSFSIGACDAVADMKTMEIEATINKAKLQVLDLVRQQLGKQGNLEIQPGR
MMESFEQLVNKVLNTARDHAGKSAQSSLDETNSVKAMVSAGSKGSFINISQIIACVGGQ
VEGKRIPYGFKKRTLPHFSKDDLGPESRGFVENSYLRLGLTPQEFFFHAMGGREGLIDTAC
KTAETGYIQRRLVKAMETVMARYDGTVRTSGGQIVQFLYGEDGMDAVWIERQDFDSLTLA
KEEFENRYVLNTTASDFGYDEQNVPFLESQVMEQCRTDPEVQILLDKAEATLREDQAVLR
VVMANREAGRESDESSYAPGNVQRVQNALRQFQIDRGQPSDLHPKTI IAKVGE LLDRLG
VVVGGDPLSIEAQNNATTLYRILIRGMLASKRVLKQYRLSEALNWVIGEVETRFHKAKV
NPGEMVGVLAASIGEPATQMTLNTFHYAGVSAKNVTLGVPRLKEIINVAKTPKTPGLTV
YLAEEFSGDRQVAELVSMLEFTVLKDIVKRTIEWYDPDIKNSVVMQDNEWVKDYDFAE
KTEDDINRMSSWVLRMELDKDIVFVKIQMSEVVKEVENEYGTDLHVEVSDDNAEDLVVR
IRIVNDLPYNPNNGAVDEAGNPIEEVEAGDEDDVFLKRLEKSLNNLKLRLGIDHVKKVFM
RGGAKRTIWDKGFGRTRNEWVLETDGTNLMGVVGVDYIDSARTISNDIVEVVFVSLGIEG
VRGALLSELRNVISFDGSYVNYRHLASLVDVMTMQGHLMAIDRHGINRVDTGPLLRSFE
ETVDMMLDAAMHAE EEVKGV TENIMFGQLPRVGTGDMELLLDEDKVVREAVEVVVDDVI
GDNLMIGSSSSGAATPYASTPFASSPMVGGGEMSPFVGTGQFSPA VGTASFS PAYS PAS
GSYGS GFASGSYQDDGSSSSPSYNPSSPAYSPTSPAYSPTSPAYSPTSPAYSPTSPAYSPT
TSPAYSPTSPAYSPTSPAYSPTS

>comp9986_c0_seq1; 181 665 1045 LEN=1133; translated
MAHGFCDDTLSCVVRWDFGHGPRPGKPLLLAPAMNTAMWDHPLTQAQLSAIRGFFGATP
SQPENFGKGMKRECSGDTLCIVAPQVKT LACGEVNGALASPDEILRVVSTVLGNNARD
STGSSY

>comp9986_c0_seq3; 299 90 893 LEN=981; translated
MPPDDSSWPLNRRRRRPRILFAVTGSVAAVKGPEIAVRLVRELDSDVRILLTRGGENFWS
KARDYNLQYWDTLQGLLRSSGSEGENNDGNGKCSEPRISVCYADDEWKEWKKLGDVPLHI
DLRDWADLLLVAPLSAHTLAKMAHGFCDDTLSCVVRWDFGHGPRPGKPLLLAPAMNTAM
WDHPLTQAQLSAIRGFFGATPSQPENFGKGMKRECSGDTLCIVAPQVKT LACGEVNGA
LASPDEILRVVSTVLGNNARDSTGSSY

>comp9987_c0_seq2; 188 296 1132 LEN=1957; translated
MIFSVAAQSRFSPKCKVLLARTYQFHHAPRFPCRHFSSSVPTRLSNSEEKHKSSGVKST
KDTLFDREVTPKNQFYALVAGGSLGAYIIISKGLLFTFTGFFTHLSPITVAKYSFYTGFGTA
SVLGGMALVTADNLYIRADPVYKYCKSWVTNDVRIENALGSGLYGGKLRSYRLDPGNFKL
KGKSMIWRPPRIQMI FDIKASDPPYRTGLVTCEANKAFGFPPRLKTDLLKVDYTI GDEKR
AIFLVGKEEDMTRVSSRSGLSLEKLAQYVHIEEDRKIL

>comp9987_c0_seq3; 131 756 1217 LEN=3106; translated
MALVTADNLYIRADPVYKYCKSWVTNDVRIENALGSGLYGGKLRSYRLDPGNFKLKGKSM
IWRPPRIQMI FDIKASDPPYRTGLVTCEANKAFGFPPRLKTDLLKVDYTI GDEKRAIFLV
GKEEDMTRVSSRSGLSLEKLAQYVHIEEDRKIL

>comp9987_c0_seq4; 188 296 1132 LEN=3021; translated
MIFSVAAQSRFSPKCKVLLARTYQFHHAPRFPCRHFSSSVPTRLSNSEEKHKSSGVKST
KDTLFDREVTPKNQFYALVAGGSLGAYIIISKGLLFTFTGFFTHLSPITVAKYSFYTGFGTA
SVLGGMALVTADNLYIRADPVYKYCKSWVTNDVRIENALGSGLYGGKLRSYRLDPGNFKL
KGKSMIWRPPRIQMI FDIKASDPPYRTGLVTCEANKAFGFPPRLKTDLLKVDYTI GDEKR
AIFLVGKEEDMTRVSSRSGLSLEKLAQYVHIEEDRKIL

>comp9987_c0_seq5; 131 756 1217 LEN=2042; translated

MALVTADNLYIRADPVYKYCKSWVTNDVRIENALGSGLYGGKLRSYRLDPGNFKLKGKSM
IWRPPRIQIMIFDIKASDPYRTGLVTCEANKAFGFPRLKTDLLKVDYTTIGDEKRAIFLV
GKEEDMTRVSSRSLGSLKLAQYVHIEEDRKIL
>comp9988_c0_seq2; 491 77 1405 LEN=1732; translated
MSDKIFFPDISKVEYKGPDSKDPFSFRYYNPDEVILGKPMKEWLRFSVCFWHTFVGGGA
DPFGTPTYIRDWEGDLEGIALAKRRIDVAFEFFTKLGVFEYCFHDFDVAPEGNTLEESMA
NLDIITDYLLEKQEETGVKLLWATQNLFSNPRYMNGGMTNPDHVFYAAAQIQKVMIDIN
HKLGGTNHVFVGGREGYQSLNNTDFKTECDNMGAMYKMAVDYKKRKGYSQFLIEPKPRE
PTKHQYDYDAQTTLAFLHEYDLIDHFQNLNIEPNHTTLAGHEAVHDIYVASLYGKLGSDS
NTGDTLLGWDTDNFPMDLAQTTAVMAVLEQDGFVTGGLNFDCKVRRESVEPIDLFLGHI
GAMDTYAQGLRKAEMKQDGVLSMVAERYLSWQTDPLASKIKKGATLEECVEYAKANG
EPKKTSGKQELFEMVRNRQLYK
>comp9989_c0_seq1; 166 1 756 LEN=774; translated
XNSNSNNNKQLPSPSTSPRSLRKSYSYLNQSKKLI V F V A S S K Y Q W P I A V L L L A P L A A L L V
S I I L F D V Q R Q E E F R N S S R L W I L S W L F I L V V I V Y M A V L P R Q V D V R S N G T V A I K T C L L T F H I
D G I A R A R F G P G A H G C G L L R P A I R F G T S L D P G A C V V L L R H G D K W D V V V T P T D P Q G F G R A V
E E M L R T K E E A G R D E A L V S L E G G A R R R R E P A R C S S R L Q G R A P G V P A A R F G A N R P G V L H R V L
L R L L Q N H S I A V
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>comp9990_c0_seq2; 338 1 1952 LEN=2239; translated
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>comp9992_c0_seq1; 133 1 450 LEN=764; translated
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>comp9993_c0_seq1; 466 709 2064 LEN=2084; translated
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>comp9993_c0_seq2; 542 709 2635 LEN=2824; translated
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>comp9993_c0_seq4; 542 810 2736 LEN=2925; translated
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>comp9993_c0_seq5; 552 709 2544 LEN=2733; translated
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>comp9993_c0_seq6; 552 810 2645 LEN=2834; translated
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>comp9993_c0_seq7; 466 810 2165 LEN=2185; translated
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>comp9996_c0_seq1; 364 396 2154 LEN=2154; translated
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LLWHQETSGVDPKNIVRLKRGFRTRGTYCAPRLIWDHQNGLNYGFDVFDIQSLERAD
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>comp9997_c0_seq1; 243 1 579 LEN=647; translated
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>comp9998_c0_seq3; 749 347 3033 LEN=3251; translated
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>comp9999_c0_seq1; 391 17 613 LEN=1549; translated
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>comp10000_c0_seq1; 941 273 3926 LEN=4082; translated
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>comp10000_c0_seq2; 622 304 3137 LEN=3293; translated
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GSTDTN SSSCGQRTGFV LVSRRTRVY EAMQDLLKVTAPDTSSSCKRVWSFQGHGESRKG
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TTVRVHYL GWASKWNGTLRKRHTCNSIVDDHDDGKDLAKEVNPRLQPIAPLWTHCRPW
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>comp10001_c0_seq1; 1033 146 2203 LEN=2203; translated
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>comp10003_c0_seq1; 1446 1 3419 LEN=3603; translated
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ERLRREGQRSQDEIRRLSDANKKELSSSADEQAIVRGRSAEAEATIAILQQELQDANRAI
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>comp10003_c0_seq2; 243 271 834 LEN=1112; translated
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>comp10004_c0_seq1; 228 1 711 LEN=908; translated
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>comp10005_c0_seq1; 736 151 2609 LEN=2609; translated
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>comp10005_c0_seq2; 425 1 1875 LEN=1875; translated
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>comp10005_c0_seq3; 154 1 714 LEN=714; translated
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GDTGVGLFDMIKDKSSDYIKFRLEGLDRCLVLKRL ENEGGAYGPRGGAQVTFGDCDSPS
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>comp10006_c0_seq1; 432 173 1603 LEN=1960; translated
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DTVKRWRVNYPMFDAIDVAVTEQGLKIMAMLYLTPVLPGLVSYMCGTTAMKLNHFVAVAK
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>comp10006_c0_seq2; 439 173 1434 LEN=1791; translated
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>comp10007_c0_seq1; 1064 73 2798 LEN=2798; translated
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GCVPTGSYVTIVLENVKPEDYK KLGANPLLSAATLLPHENKVSVLHMGLSNCRDESLSDV
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>comp10008_c0_seq1; 222 1 1254 LEN=1330; translated
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GAPVATTAETGIKV VVLNQVDRLTKQAQAALRR TMEKYAVTCRLILCCDSPSKLIAPLRS
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>comp10008_c0_seq2; 132 1 673 LEN=749; translated
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>comp10009_c0_seq1; 754 36 2745 LEN=2998; translated
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QESARFVNAVVDERTLRELYLPAFEMSISCQHGSANNHNAPKLVMAAYNKVNGIYCCEH
KYL LQ S I LRDEWKFPGVVVSDWGAVSDRVE SLRAGMDLEMPGTLKRGVFDKEVLDHVRKH
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IEVGASSRDIRLKETIQFQTGGNSTQIARESYPPIVHKEHASVAGTVSRPKSFVVDDET F
KTFRKGVVQLRSPTPMSVDLAAKLTNEEPKRKLYLSRNTLLVDAAKSSLIAAIIMRIAMK
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>comp10010_c0_seq1; 415 1 1440 LEN=1701; translated
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SEETTxEVDNRAKIPLCSCIESVGSVSLTPHSLFNRCFSACSTLQAWSPLGAARFLELAK
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>comp10010_c0_seq2; 245 1 1137 LEN=1740; translated
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>comp10010_c0_seq3; 160 1 1293 LEN=1896; translated
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>comp10011_c0_seq1; 293 258 734 LEN=940; translated
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>comp10012_c0_seq2; 478 190 1935 LEN=2340; translated
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>comp10013_c0_seq1; 872 76 3060 LEN=3213; translated
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IVIPAAQCFHAVFYAVDDKSTIDGSDGTPSSRLCEKFFFGDSDQFRDETFKLI PRIVEG
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>comp10014_c0_seq1; 481 120 1178 LEN=1907; translated
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LHLEIEPGTYLVAMSGALVSTIQDKVETTGDGHTFLKLD SGMTDVL RPSLYGAIHPMTI
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>comp10014_c0_seq2; 552 88 1533 LEN=2262; translated
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RVNPGTGS GGFSSSTSGFSKTNVGGPASSFGIWF GFIEDGTVPDIVAKYGLTVERIHTH I
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>comp10015_c0_seq1; 248 1 1133 LEN=1551; translated
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VAGTELI AFGLGVVDHSYSKTDV LQ NATLTSASTETCRKQLFEALMENYLYDLGTTDPED
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>comp10015_c0_seq2; 333 1 981 LEN=981; translated
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>comp10015_c0_seq3; 358 1 1019 LEN=1019; translated
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>comp10016_c0_seq1; 222 1 1100 LEN=1472; translated
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>comp10017_c0_seq1; 1056 1 3012 LEN=3095; translated
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>comp10019_c0_seq1; 401 145 1134 LEN=1225; translated
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>comp10019_c0_seq2; 465 145 1770 LEN=2163; translated
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>comp10020_c0_seq1; 372 244 2193 LEN=2279; translated
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>comp10021_c0_seq1; 92 1 191 LEN=510; translated
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>comp10023_c0_seq1; 229 397 1689 LEN=2368; translated
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>comp10024_c0_seq1; 362 25 500 LEN=500; translated
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>comp10025_c0_seq2; 339 123 1098 LEN=1098; translated
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>comp10027_c0_seq1; 965 140 4030 LEN=4072; translated
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>comp10027_c0_seq2; 1078 140 3887 LEN=3929; translated
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DLTEDKSM LVHYEFLGRVLGKAVYEA I LVEPQFCLPFLNQLLGKVNTLEDLKNYDEEYNN
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NELLNVLGANQTRAF LRGFRDLIKVAWIRLFSARELQKLISGDDSVRGIDV SCLKKATHY
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>comp10027_c0_seq3; 1100 140 3739 LEN=3781; translated
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>comp10027_c0_seq4; 987 140 3882 LEN=3924; translated
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>comp10028_c0_seq1; 511 135 1540 LEN=1649; translated
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>comp10029_c0_seq1; 644 228 1850 LEN=1969; translated
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>comp10030_c0_seq3; 284 92 436 LEN=644; translated
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>comp10031_c0_seq1; 470 67 1029 LEN=1344; translated
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>comp10033_c0_seq2; 544 674 2257 LEN=2533; translated
MKNTMWQE QESWSSMSASSL TEVFPVQQRSL ELSDMIVIDDEYFQEDSTGVLISSVIN
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GVSLLVVTSSPGGSYNWWSL FNAELALSVAMTSVSSLLSIGLLPANLFLYGLAYGVI
FVEEGQENINIVSSLDGFAIFITLGVVMGAILGGLFVGYQFNSNQFHKRANYFGSICGI
TLILFSAFLGSGGASGAETNFWSLPWSFYVGTTFPCIIGMALANLISRSFKLSPPEVVAI
SIECCYQNTAIGTSVAVTMFSDPNKQAEAVSVPLVYGMVEAVIIGLYCLWAWKSGWTKAP
ADEKLCVVMIRTYEVHDLSENDEMVEFDPQVVENLNWWQRCFIPKYPD TVRGNVEGAL
SNETESQQKGQRDETIERRCRFHSEDTVSTNLTPPGTPNVTKVSSVSSSSQSVSNKT
TSSNTSKTPSKSNDEVETPLIRKAISAIDEEPEEAERASEEGRATSSS
>comp10034_c0_seq1; 283 503 1342 LEN=1854; translated
MSSSWLQLAHKTCIITGAGSGIGEAVAKSLVSVGCRVVLADHNDNAIERVANDFITDESN
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MDEWNDVLDVNLKGTFLTCREFLNQRRADQFFPKEYDSNKCGPRSDASIVNIGSVVSEFG
NLGQVNYAASKGGVLGMSRALAKEVAIRNVRVNSVVPGF IETPMAQAIPAHVKDRVMNQI
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>comp10034_c0_seq2; 240 575 1287 LEN=1799; translated
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LLVNCAGITRDNWVSQMEMDEWNDVLDVNLKGTFLTCREFLNQRRADQFFPKEYDSNKCG
PRSDASIVNIGSVVSEFGNLGQVNYAASKGGVLGMSRALAKEVAIRNVRVNSVVPGF IET
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>comp10034_c0_seq5; 283 328 1167 LEN=1679; translated
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FHLMKCDVADPKQVRDLIHQADKFASC SNF SHSQQTNPVATLLVNCAGITRDNWVSQME
MDEWNDVLDVNLKGTFLTCREFLNQRRADQFFPKEYDSNKCGPRSDASIVNIGSVVSEFG
NLGQVNYAASKGGVLGMSRALAKEVAIRNVRVNSVVPGF IETPMAQAIPAHVKDRVMNQI
PMKRFGSTSEVANVVSFLLSPRSGYITGESVTVSGMISL
>comp10034_c0_seq6; 240 750 1462 LEN=1974; translated
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>comp10035_c0_seq1; 686 138 1211 LEN=1272; translated
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KTKKKRNKARKEKPKKEYGSDDDEMDDEFFAQLNSVRQKEEAQERREEEEKSRAAAKGGH
TTFVFAQNKDDDDQAPSGPIQIDENIQVVVLKDPSSSVGVASAPATQVSKVALTYSRNRK
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>comp10036_c0_seq1; 343 90 803 LEN=1144; translated
MTLRSILALSPLLSVSGFTTILPGRSDSGIATITNANGNFRNTHLADIVSPFDGGDSSSS
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PSSTQTMKGLERGLKEKIPEIQEVIQAMPEGPPLDEEQINVVLGDGVRPFLTAVAGGSIEI
DRIEGEGGLQPTIWLDMQGASASLNSVKLEIAQRLQRHFMMAGLRVDWVGNHNSNGFK
>comp10037_c0_seq2; 263 58 570 LEN=1207; translated
MFSRIASTTAKRVASLQTARGSQFARTSCAAFSTAEEVVPVGVGAGKTSTGIVGLPADPDAV
SNIISAYQALLDRMAASDLPENAQYRVLENIISNYRIKIATENPDDPEMVEELCQCQVQE
ELVQQAELEMSVLEMYLKERLWEEIDYEVDVEVEHNPDPKDGEGGLGDEA
>comp10038_c0_seq1; 577 168 2321 LEN=3792; translated
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GNRRSASLALASTHDNLSRLLLEISRREWPLIGLAASTLMVTSSVTLTLLPYASGSVIDYTI
ASGGEDGASPLVLASGLFGLSALAGGGVYLRAVWLAKAGNSIVARIKQRLYASMLRQESS
YLDQQTGDLTSDAQLLQGALTTQAVAGLRATVMSIGAGGMLLYTSPFLAMVSCAT
LPPVFI LTRHFSRRLKQRQEEVQKLLGEATSLAEQALSNTTQTKQCAAESFEIARFRNSV
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VIKDRLQGGDDNDTNTVDVTRTKTAAYSDFDPALGGASIEIENLCFQYPSRPDVPVNLNLS
LTVPSGSVVALV GASGSKSTIGSLLTRLYDTDKNENNGNSLSSIRINGRSLCDYDPRDL
RQMISVVAQDPVLFGGTIRDNIYGVWVKVSEETILEAARQAYVLDFAESFPDGLDVLV
PRGMQLSGGQRQRIAIARMLANVDASIYVLDDEATSALDARSEHFVQSALQKIFQDHSKGT
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>comp10039_c0_seq1; 326 576 1543 LEN=1543; translated
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FGHSIDHHRMYMYKGVIAKPPPDTSQLCTLPEELMATYRNDLENIPVALLVELETGGCDV
LTKASNALRIQKDVTSNLKYVLFYNNDRYDPSIVTSLDDETSRSTSARELAPLTKSPTL
APSLSSYPSSAPSTSSSNIPAPTSTVAPTNDPAPTLPASTSAPTPLLAPTLSSYPSSASS
TSSSNITDPTATPASTSDPAPTA
>comp10039_c0_seq2; 285 101 1099 LEN=1099; translated
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IMALPEI IYQKPNFDHEDDAATEAPTEATDPNHIYHESDDRSETGAEAPDETTGAARSND
PDGDTVRAPSDTIPCPEPERFALPGSPERVGTETGSLSSSSSSASSSLPSGPREDLPPD
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>comp10039_c0_seq3; 119 356 457 LEN=457; minus strand; translated
MVGKIEDDQVSVGASVVGAYFVGSNDVGDVDA
>comp10039_c0_seq4; 367 1 1414 LEN=1414; translated
XAPSTSAPTSFEPTKYAPTADAPTETWSSSILPTIWGITDDDFDRNQETIIDVGSNTND
NVDAALEEDLAEQLTIERERLKTELEGNDSIVFASLPFAVGRILILANIEEQVLRGTYNVG
DTIASAEFLEPGFEKWRMDMRLQIEPPSPVLGSPNDDVGNDDYLTNKNIGGSNSYSR
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GPYEPVEGERVHGRLTTEQIMALPEI IYQKPNFDHEDDAATEAPTEATDPNHIYHESDDR
SETGAEAPDETTGAARSNDPDGDTVRAPSDTIPCPEPERFALPGSPERVGTETGSLSSSS
SSASSSLPSGPREDLPPDEEQPAEEAAPLSFRTRQRLRAF'TTTTCTTCSICIDEFEVGE
KIRLLPLCGHGFHTECILPWLRRERQGCCPLCKMEVIEEAGANNRNNNNNSNN
>comp10041_c0_seq1; 218 629 940 LEN=1369; translated
MAYLEDYKMDPVAAQPLISFSIFDDYAKDKDMTLVRADILNNGIDEGEGGLKVVKSM LDNY
KDDEEYLNVRVFNVPDSFNLDFFIAQKSKSWNSGSPDDNVNI
>comp10041_c0_seq2; 260 155 817 LEN=1246; translated
MLAATTRLIGSPNVKRQLFPVNSCERCFSFSFAGPKKLHDILKELVADKTRNEISEMW
YTYHEGKENVHGLVLGGKETKSLTRAKSSPFYIQPIFRDDGHFMLSQFFEP SHFIMAY
LEDYKMDPVAAQPLISFSIFDDYAKDKDMTLVRADILNNGIDEGEGGLKVVKSM LDNYKD
EEYLNVRVFNVPDSFNLDFFIAQKSKSWNSGSPDDNVNI
>comp10042_c0_seq3; 165 465 959 LEN=1235; translated
MIVSILSSPLVAVVAFMNIAHTTGS LN IYGHKSCSQKGMALTGFMRDGYCVEEEDDEG

SHHICIDLSSTKGGNFCEVTGQSNWCNSSGEGCHGDSSTCPIQNWVCQWAFASYIKQAG
GCDQIQDIVCGAINMEALYAYGEKRETTEDIEAAFDICERRCFG
>comp10043_c0_seq1; 336 1 1646 LEN=1679; translated
XGKKLDTDIKEGDS SAHLPSTETTAKAVLQSQQITPETIDEKKGENLDEKEGSRGNP
SRPKAEKESGVASPSKEIKSHGSSAFCLLLKDDNDILSEWVAYHYHVFRMRRLIVALDPD
SKTSPYEVLPFAHQSSYKGFHLDFTIWNDEDYTPDFFHGEGKDYSKIPISNVREINFT
DFKFDKRDHITSAFFNNVTISSSTFLHKNETYNDMDHQDEVKSAYLKVNNHRFRQRNFVSEC
YRQIKKERDIRRETRMRKGQVVDVNTGIVSWTIHSDSDEFVLPNPWISSYIASSNGTSEQE
QVDHRYYSQFVNFTGYSPKELETMYPKQPSRNSLWDFQDYRKKEGSNLGECLEFIPRLTY
GSKEEGNSAYTKAYFDKYDGSTMMASWNHSHKLESLRWKYHEEFSTVNFPKTAVRAGMLNL
GLNAIFHGPKLVPSIHRTLASCPRNFEKINLYPTKKVAHVPLVAVHYLGSLERYLARADI
RRSASLHQYNNINSNFAFGDENHEVEKNKQGYGPWWIQGWLDSFVETHGAEAVLSILGEP
FASVSASQ
>comp10044_c0_seq1; 325 949 1887 LEN=2100; translated
MNYTPNHRSSGGNASAPFKSPITLCFDRMLGAAAQIATPLPPDRKKATTLGPEQKAATP
LPPAQKSMRASQLPLRSLNQTAVTFFSYRNGNDNRRLSYPAPSGPTPPPTTIEQNNIDD
PFVQILRDHGLYKLLILCMALQRQSKESPKEISEPQSRIIGEGFFWKDYPPCEQIILYDSM
GHYYELSTQQRQSKQQAFNNHLVKRARETAHQHGYQFAECFNDKCLRDRIRCFKTHLQ
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GTEAIRKRRQSS
>comp10046_c0_seq1; 209 1 872 LEN=1402; translated
XTIKRSLRPLPSNKGVAIVPYSYDSKHSRISCKAASHSNTTAVKRSKMIVYAVICRSSDA
AILCEFFSSGNTSGNVPQCTAALLEHLRDHPNLLKKGDLKTFRQKSGTRGGPQEDDFLSQF
IQACTVAVTTAEEMDLGAIDEYFFHLWHHEDVFYCCCLADDKDQRNQQVNFSSFLQTLSHDF
SGRYTKRRIKNANSYAMDKDFKPVLRSNMHHYNIRRKEI IREDNAQIDHLLGQVEDLKNV
LGRNLLLLERDEHIESIMDKAVQARQDSMVFKKSVKVKKNLQMKSFKMW
>comp10047_c0_seq1; 1089 1 3591 LEN=4629; translated
QQQLKQQQQLAAQKAAAAGLKNAGNGGNANGKSIGKSMASLAKAKQAKIESAHQALIAKA
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RSMRIDASSIQMLRKLQLEAKATNAKTAHGPCDAPPVTPLLDAEKFKRIKLEPKKIGKAL
DRAVRSSRKSAAADALNKQHKELSKAISSHQEFFFKFKQMKTEAARIARAIRDNANKEAK
RKEKDGVAEAKARLAALKANDMDAYSKLLLEETKNDRLKFLMDKTESHFSQISTSLQLTRN
NDTGVRSSTGGAASYASAHKLTEDIQQPSILVGGDLKEYQLAGLQWVSLYNNKLNGLILA
DEMGLGKTIQAIISLVSYLMEYKNNLGPYLIVPLSTLSNWNVEFQKWLPSAHLICYKGI
AQRKEIYREKVKNGHFVLLTYYEYI IKDKASLRKITWQYAI VDEGHRMKNAAASKFAKTL
SSQYDTKYRLLLTGTPLMNDLSELWSLLNLLPSIFNSVDTFDQWFNRPFQAQFGNISKGD
DDADSNALTNEERMFIIHRLHELLRPFMLRRVKSEVLDQLPEKVEKILRCELSSWQKELY
KQISKKAVAETNDLGIQNTGPGRGLNNAVMLRKCVCNHPYLFSPQGYHINQNIIRSSAK
VELLDRMLPKLRAAGHRVLLFTQMTAVMTILEDYFAYRRYLSRLDGGSTPAEEREKRMK
FNAPDSPYFIFLLSTRAGGLGLNLTSAINTVIFDSDWNPMDLQAQDRAHRIGQRSDVSV
FRMVTRSPVEEKILSRATEKLNMSSELVVEAGKFDKTSVESDNSLERKRMMEVLLVDFDTN
ANKNDGDTVIGISKPLEEKPAEPVGSSEGEVDDGDDDDDDNNEASKEDDLNGLLSNEN
DYQLYKTLDKLAAAAPPLVDTSLFTSEEDVPDWIKYPTGKKDAALDMSVPGSGPRKRKE
VMYDDGLTEKQFLRMMDKQFDKAEAAKKEAKIAKRGAKSLGASAPIGAPVSVAI PNSELT
DWTFRKLISCAKAVVNLKEPSTKRRRLCEIFLDKPSPEQFPDYIELIAKPIAINDILRKR
GKLYANMQEFHDDWKLMLFANAKQFNGEDSWVVEDGKTIKELDRVLKKNGFTEAGVKPK
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>comp10048_c0_seq1; 322 213 968 LEN=1081; translated
MSSTDPSKYQKDDCSDNAPLTTTTSPSTSSNSTWKLEESSVWWISNFI EAGNSSGWINNPG
NVLLLTSPFFAGAYFGYRMPTEILEDLIQGGTSGYNSGKAASKLQTSKDRAIRAAAAR
TASKALRIATLGTGTFGFVGAIGFYLSGYNSVDEAVKGTSSQASSWGKSLEHLMGGDQG
VSKTHPEVLATKHMKADEELRYIYDKYIKEDDYEDNESTSWHDSSTNKEEDKAPTLYAV
YEKYFMKKDDK
>comp10049_c0_seq1; 465 345 2045 LEN=2205; translated
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IPYLMKKWASEYREKKKSTNWTIEIAEYRVTFRIDVDLTSITGALEKCRSVPGAWMLRSQR
GITQICDPPTIKVTMLMDQSKFYPTTLLALLDGVIKDVDRKSMPSTILERNRNLTAGLIEY
GERCWLHVRTNVL SLLKTLHGESMNGTGSSGGTCQENDNNSSTGWVQLARAIPVVKVVI
NEDLLVRKANNKGALLLECYEIVDIQNGVSHADQIDSGGRKINVMQSNLARADRKERHR

IFAEWLKTYGADFLSTGSGVLDVAGNGTGLGHELWKLGVSSSTLLDPEPRCNVETVVPFQV
IDPEPLGNGSELTGEHQSSKNDGTIKTDHKKQKIKYLVETCSMITGMHPDEATEAVIDT
SLRLGKPFFAILPCCVFRNLNVERKAMRKQTGSVDPFRSYSTFCHYLLRNKAPPGVLFETE
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>comp10050_c0_seq1; 1990 86 5053 LEN=5079; translated
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DAASMSSTIETTSTINDASLQNKKEKTKRGLLGLFGKKNASNEPPTSVEFPSSNSVE
DAALKEVFNTFMSNDGDDVPAKAAF DALPPKSDTKRKENTSVEEEKILFPDLLPGSKSSP
EQLETESSPETNGSQSEGNQSSSIEQTTISSLGHDSVWKHAIVSDAESFTKRAKDMLQK
ISAQRERVASPSGSGNIKVKLLKDGLDNQITEIYDLTEVSENGDKNPQQQKIEMRRIEES
KSRHSFPHSHHQSVADINIGAKDSPYVVDVSDDEESSVPVPLNDNYGYQILDVADIYEEN
GPGSPLVLSPVQIRRTADASEFSPSSVAIPHFGEEKQNPLPPSYNQTRNDGFVLDLGD
RDDVIVYRVESQMSPNLRDSNISPIRVDIADPYMAPSKRARKTGMMKPTFDEAVQKYYES
RGHSPSRLPSTMTPHLNSTIRKCSRDSNDSARVLKVTFSIEDIEERYQKQDFGNQSSSA
MNSSLATAIVNTERDAIEPISSTLREADEALVESYADQLDQEDDMRTPQQMLLEALSFG
DPLPFDFEETIHFNPISIASKRLPSLNTFALHAACFRAFPKRFGKDQTCRINDLIDDLTLY
RKLIEVLVEADPYVCQRVNEGDLPHIMARHLMWEGRWYQKVYDKARNSDEEPPDSGSG
ITKLYQSMSECINLVLQPISEVDSLCLHSGSVGRILPLHIAAIFTVPYSTLRSLLETCPN
AASTMCDLGDIKTFVPNDSTPLELHDLRSTDFPKWEIQKVNFBHPDEEMTQAMLDKIYGTM
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EFQGEDDPTDHYAESISRIIDHLPYLAVRYLASVVNEEGKAAIDCAIPICADVIMDRLYR
ISNTDIPMLVHTVPGEVDTTIGSPKLEFDFKENSRLRFRFHGQGYVGLCRTIFHIQEKSY
PSSFIILPYKLVQDGKGLGLESPAAAKIAMEFAGHLSRLTSPKNIVSVLDKKLDEFFGH
DLVDKMNRENRESQKREESFDKFLKLYENGPAYFYFVDDCTGVPVINDTNGVYPLIVND
AAEVVEKVFPLMLSGMILMRGENALSILADVLLFENIKLVLPHWIEAAKDLVAFSFSPE
TKLLSKREKLINFIQYGSTENDASEKFKSGDLSSEWVLEVS LIKMMVEMHDVGHNF CGLL
QETSVTQVLWTRNSQIHTNFPSQINF TTPKLLKVSHSNTDKNATKALRNKLNDRKYDEM
FAEMSLTESSSDEKEKGSSESEYTDTCSSSEDKVSGMIVTASERNNSQSVASQLTEHRQA
EHQLSDKMSLKSDESLPPMSLASSDESFDIRTVMKLRFLDEQESKLLKQLRQKISHLDTV
GGQLVQQEEKITSMIGE IINQKDQMLHNSKDG LTKARALMMRICELEDRVLCREVEVGQ
LKNDSVFFQLEASVGSERAVDGTSSSRNREVLNPNENMETPDEDINSLAPFSVRRQ
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>comp10051_c0_seq1; 77 1 154 LEN=626; minus strand; translated
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>comp10051_c0_seq2; 469 306 1484 LEN=1695; translated
MSKSSLLRLVALTAILFQCSFANIVNGQLKGEESE TSSRNHPVGTGCEGNVGN GICED
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LPQPTNPTLQPTPTPTPTPTPTSNHRDEDSRLIAYLGNWQACPSDAQLEQYTHIVIAFAV
SYQWSSSGNICSQTCEIAMS FVCDNSYDFNLIQEWKSMGKKVILSFGGAGMGGSWEGNKI
GCWDYCFGRENQVIDRLDTIVREMGVDGVIDIYEY YEDDQNESDFSKGEEAQKFLKDIT
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>comp10052_c0_seq1; 855 50 2782 LEN=2825; translated
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APPAATIQQNNARKSSPNKSNRVLRRKKNASESIKRSQSNVLGNSQPKPLVRTSSTKSE
KSKSGFKRFRRNQSTKSSEKNRVSKPEVKQTIIPNKPPQSAKLPDDDGFPYIDFFHHIAD
SLDPWIVDSSVASSEESSITIDDEDTRCTSSQVQNE DGVVAKSESRSSVRARDEKSN
YKLESLLDQPLPDSKSAKPKGNTHHQKQSTKEETGVTEIRLRVNP GGNTLSEQVIKANPN
LYSFPEDGQKFLHKDDVSSKSRPSFDASESDNSSVVSRIKQHLKIKPKQPRVVKDRDRSR
KIAKGSIRPTSKEMKPPTAVHIQKKPEARDDWEDI EHKKKCQLWKRGCNSERTCKNDST
NLFGKADETEVFPTSRVVVNGQIHSVMPGSDPFGVTSVSPNRLTNSEGPQSVFAYDYD
SNENMDVSYKKPNQKPRDSIAVRNLGAPPALSLVGENVVIQVEASTVSETDCIIRQGLWW
RTQPSFPNTPGVDDVVGKVYSINPSVGKKYGLNPMQSVVSLVRWGGNRRFVTIHPNQLVKV
PRGLDPAHVAACLPETYLAAQV LHMGPANLRYGKHS LKGSVLIILGCMNTNMGMKAMIEL
ALNAGVANIYATSKKKHWKTLISYGV MPLSSDPMEYIHRITGTIDLVLAPNGNLR EDVTP
VHFRALIPRFGRLIISGRRINGNDIPINDWRKAQNAPALACGKNKALQKILGNSATYDVY
DEWEKNIDLCKRDLYHLFKLLDTKVIKPEVLDRI SLNKVAKAHEL IETKRLPGFLVCEPW
MKTKKRAVYL

>comp10052_c0_seq2; 319 127 1182 LEN=1225; translated
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FQVLHMGQPANLRYGKHSKGLKSVLILGCMNTNNMGKAMIELALNAGVANIYATSKKKHWK
TLISYGVMPSSDPMEYIHRITGTIDLVLAPNGNLREDVTPVHFRALIPRFGRLIISGRR
INGNDIPINDWRKAQNAPALACGKNKALQKILGNSATYDVYDEWEKNIDLCKRDLYHLFK
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>comp10053_c0_seq1; 382 546 1670 LEN=2221; translated
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TCADVGLQSSPDVETEELWVSPVDGVTRTVHKKLHRAASRIHVVENFASIDECNAMEAEAE
DDLHVASTADGKGGSKVSNNRKAMQAGIRPKFTDDGQPLDGNLISILSGRVYEYTNHVLD
LNITHHGQEPPLMSIQYFGRGKHDVEPDRTYTPHCDGRCNGENHIYGGMATMVIYCTIPEK
GGFTNFQANVHVKPNVSGDAVFFSYFDPLTNVTDYGLTQHSVGPVYEGEKKIITQWVRFV
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>comp10053_c0_seq3; 492 61 1470 LEN=1898; translated
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RNDLLDQIDLTDVKDPSDTLVSCKERATQQLNELDGVLDGGAMMKQIHRELHDCMTVGLA
PRIRASNIEVEFERSLRIEASITAENFTCADVGLQSSPDVETEELWVSPVDGVTRTVHKKL
HRAASRIHVVENFASIDECNAMEAEAEEDDLHVASTADGKGGSKVSNNRKAMQAGIRPKFT
DDGQPLDGNLISILSGRVYEYTNHVLDLNITHHGQEPPLMSIQYFGRGKHDVEPDRTYTPH
DRCNGENHIYGGMATMVIYCTIPEKGGFTNFQANVHVKPNVSGDAVFFSYFDPLTNVTD
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>comp10053_c0_seq4; 326 546 1299 LEN=1550; translated
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TCADVGLQSSPDVETEELWVSPVDGVTRTVHKKLHRAASRIHVVENFASIDECNAMEAEAE
DDLHVASTADGKGGSKVSNNRKAMQAGIRPKFTDDGQPLDGNLISILSGRVYEYTNHVLD
LNIRIMDKNR
>comp10053_c0_seq5; 468 61 1446 LEN=1997; translated
MRGFIFFFALVLSVATKVKLSFRNQSDDYLSFHWIHPKTGETSPIKTDIAPHSAFSLNS
FLSHKFEVRQEIDPETGDCGSGDDEECKIAHFQVTEAPVQTFLIENGLKIETVVEAPTPE
RNDLLDQIDLTDVKDPSDTLVSCKERATQQLNELDGVLDGGAMMKQIHRELHDCMTVGLA
PRIRASNIEVEFERSLRIEASITAENFTCADVGLQSSPDVETEELWVSPVDGVTRTVHKKL
HRAASRIHVVENFASIDECNAMEAEAEEDDLHVASTADGKGGSKVSNNRKAMQAGIRPKFT
DDGQPLDGNLISILSGRVYEYTNHVLDLNITHHGQEPPLMSIQYFGRGKHDVEPDRTYTPH
DRCNGENHIYGGMATMVIYCTIPEKGGFTNFQANVHVKPNVSGDAVFFSYFDPLTNVTD
DYGLTQHSVGPVYEGEKKIITQWVRFVSKETPHSAFNTRK
>comp10053_c0_seq6; 121 314 540 LEN=968; translated
MPMFMXKPNVSGDAVFFSYFDPLTNVTDYGLTQHSVGPVYEGEKKIITQWVRFVSKETPH
SAFNTRLNILEEDGE
>comp10053_c0_seq7; 412 61 1075 LEN=1326; translated
MRGFIFFFALVLSVATKVKLSFRNQSDDYLSFHWIHPKTGETSPIKTDIAPHSAFSLNS
FLSHKFEVRQEIDPETGDCGSGDDEECKIAHFQVTEAPVQTFLIENGLKIETVVEAPTPE
RNDLLDQIDLTDVKDPSDTLVSCKERATQQLNELDGVLDGGAMMKQIHRELHDCMTVGLA
PRIRASNIEVEFERSLRIEASITAENFTCADVGLQSSPDVETEELWVSPVDGVTRTVHKKL
HRAASRIHVVENFASIDECNAMEAEAEEDDLHVASTADGKGGSKVSNNRKAMQAGIRPKFT
DDGQPLDGNLISILSGRVYEYTNHVLDLNIRIMDKNR
>comp10053_c0_seq8; 406 546 1694 LEN=2122; translated
MILFCTHRLFLLTAFLIENGLKIETVVEAPTPERNDLLDQIDLTDVKDPSDTLVSCKERA
TQQLNELDGVLDGGAMMKQIHRELHDCMTVGLAPRIRASNIEVEFERSLRIEASITAENF
TCADVGLQSSPDVETEELWVSPVDGVTRTVHKKLHRAASRIHVVENFASIDECNAMEAEAE
DDLHVASTADGKGGSKVSNNRKAMQAGIRPKFTDDGQPLDGNLISILSGRVYEYTNHVLD
LNITHHGQEPPLMSIQYFGRGKHDVEPDRTYTPHCDGRCNGENHIYGGMATMVIYCTIPEK
GGFTNFQANVHVKPNVSGDAVFFSYFDPLTNVTDYGLTQHSVGPVYEGEKKIITQWVRFV
VSKETPHSAFNTRLNILEEDGE
>comp10054_c0_seq1; 370 73 579 LEN=771; translated
MKFALVLLLVALAAVNGFAPASQARAGTALNESLFDIAIANMDLFAPKADQNTYGARDKKN
LKVGEITNKSYVPSGLSAAQYSNIRSTESKKKADNYKRNVAKAGVFEDYTEFYTKRGTD

KQAWAKDVNLGHRMAKTKFDWSGKKVQATTTAAVKAAAPKKGRFGKKK
>comp10057_c0_seq1; 242 406 1077 LEN=1751; translated
MAKQNFRRITRVKVHCGERIEMLYELMGYIPVALIPTTGTGTGLKTKTFAQWIKTKKMME
SLKSEGSRILECPGMKDVIFRSAGKSCMLHPGNVVFVFRGIFEKYHDEHVKAGQTGKRDLVW
KIVQEIESKGGFRFLGWDKRGWVWVLEERSEIRSKVAISLRDYNKQQKAIANEQVCKSFTY
VFKQLDSAKRRKQGNMCDSDSSDEGVPHFRESCCFKMSLLDE
>comp10057_c0_seq2; 300 285 947 LEN=2606; translated
MHPGEKSGATLLDDASVGSINPKDVDAMVAKGIGMLSIRDRNAIYEEIHGVSSMAIKETP
ELIRDSLRFNFEKELENADHAKKFAYDAIMNQEENAVSKDVIITDDAFRLRFLRFVFFDAKA
AVARMISFLDILHTLYGMEALKKFDDSMDFFINTELKIGLRAGYIQLLPFRDRSGRRII
VFVTDCLKLESKVRKIFLYITYVAGEDVETQKHGCLMLFW
>comp10057_c0_seq3; 391 285 1772 LEN=2446; translated
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ELIRDSLRFNFEKELENADHAKKFAYDAIMNQEENAVSKDVIITDDAFRLRFLRFVFFDAKA
AVARMISFLDILHTLYGMEALKKFDDSMDFFINTELKIGLRAGYIQLLPFRDRSGRRII
VFVTDCLKLESKVRKIFLYITYVAGEDVETQKHGCLMLFWPGVEEIRPPSSHRSLSVSK
IINSLPTRFACFHFCFPNTPFFNLIRALLSMTMAKQNFRRITRVKVHCGERIEMLYELMG
YGIPVALIPTTGTGTGLKTKTFAQWIKTKKMME
SLKSEGSRILECPGMKDVIFRSAGKSCMLHPGNVVFVFRGIFEKYHDEHVKAGQTGKRDLVW
KIVQEIESKGGFRFLGWDKRGWVWVLEERSEIRSKVAISLRDYNKQQKAIANEQVCKSFTY
VFKQLDSAKRRKQGNMCDSDSSDEGVPHFRESCCFKMSLLDE
>comp10057_c0_seq4; 227 629 1237 LEN=1911; translated
MLYELMGYIPVALIPTTGTGTGLKTKTFAQWIKTKKMME
SLKSEGSRILECPGMKDVIFRSAGKSCMLHPGNVVFVFRGIFEKYHDEHVKAGQTGKRDLVW
KIVQEIESKGGFRFLGWDKRGWVWVLEERSEIRSKVAISLRDYNKQQKAIANEQVCKSFTY
VFKQLDSAKRRKQGNMCDSDSSDEGVPHFRESCCFKMSLLDE
>comp10058_c0_seq5; 92 157 811 LEN=1145; translated
MSDATNPNVFFDISIGGSPRGRIEIELRADVVPRTAENFRCLCTGEKGVGRSGKLLHYK
GSTFHRVITSFMCQGGDFTRGDGTGGESIYGEKFADENFKLKHQGPGLTSMANAGPNTNG
SQFFLCTADTPWLDGKHVVFGKVSQEEVAARRHGRIRNFLTSTNCAFSSFLNKVISGQNV
LSAIEQVGSDSGATRVKGEFCHSSGLPMGRSIPAECV
>comp10058_c0_seq6; 87 157 781 LEN=968; translated
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GSTFHRVITSFMCQGGDFTRGDGTGGESIYGEKFADENFKLKHQGPGLTSMANAGPNTNG
SQFFLCTADTPWLDGKHVVFGKVSQEEVAARRHGRIRNFLTSTNCAFSSFLNKVISGQNV
LSAIEQVGSDSGATRVKVTIADSGQLR
>comp10058_c0_seq7; 128 674 874 LEN=1061; translated
MANAGPNTNGSQFFLCTADTPWLDGKHVVFGKVISGQNVLSAIEQVGSDSGATRVKVTIA
DSGQLR
>comp10058_c0_seq10; 136 157 687 LEN=874; translated
MSDATNPNVFFDISIGGSPRGRIEIELRADVVPRTAENFRCLCTGEKGVGRSGKLLHYK
GSTFHRVITSFMCQGGDFTRGDGTGGESIYGEKFADENFKLKHQGPGLTSMANAGPNTNG
SQFFLCTADTPWLDGKHVVFGKVISGQNVLSAIEQVGSDSGATRVKVTIADSGQLR
>comp10058_c0_seq11; 128 244 444 LEN=631; translated
MANAGPNTNGSQFFLCTADTPWLDGKHVVFGKVISGQNVLSAIEQVGSDSGATRVKVTIA
DSGQLR
>comp10059_c0_seq1; 586 593 3280 LEN=4343; minus strand; translated
MLFFNNFCFSMWAITALATTTTATEISDLPEFEGNMLSLKTIRRNIAGAKASAALS
WKGV
VERGGNWL
LVVSSASSGLASALAE
EEAFEITGCLSSGNACSGFLK
ITPFALDVEQNP
SFAANV
VPSVWKANGFDYAGDFPGAIAPLQVTQIRQAFPNLTGEGLKICVMSDSFNMLGGY
KNDTESMDLPKGIKVLKEAPTLDDEEFDGWYYTDEGRAMMQLIHDIAPGADLVFR
TAAAGLYDFANGIEELVAYGCDIIVDDV
GELKDTFHWLQCRYENN
XMKFLIQSFFLDESXFEGYP
SETIYQHDAIAQA
AIRAARDHGVAYFTGAGNYQGLGWSSEFRPTEITLPGQNDIFIVHDF
GDGNYQRIVISDELSPVV
FYWDAPSGNFTDDAQPTPR
FFFWDIAFLVGVFVGGVSP
TPNLKWIAPLGG
LQAIDPPNDSAFNPHGNSPHVA
AVGAASERQRMFRMEVEPFSSSGDP
IVFDENGVRLEQPFV
PKQPRFVGPVDSFSNHIDHILLV
AIFCSLSLTLNLLRVLLWWR
FEYTLNFMKKGVRIVQIVL
PNESMTADCVSVSADSSV
FPLNRTHRASSVPSSENS
FLGLQDTGMVPETEGFL
FYGTSAAAPNVA
AVALLLQANPELNPSQ
LYKVLEKTAIDMNEP
GFDHTTGYGFVNAMRA
VVMAEKLK
LKKITNKEKRKK
KLNLRKKNTHKVCYDY
TDXGNVKLAVPGIDF
LSDLQVGAWAMNKMFE
EKTLDYRGEIANKTS
SEHQMLS
LPTLFSFKL
FKITRTTNWLEIL

LSTRIERAVFLRLASGPSWPVFVVRFCVFRGTAFSERREQIMPRDGQCHRRGRNEGPNPDSV
PRAPGATPQVSDNSGGGFVSGCTGGLVRSGRGFSLPPSLNLRSEVPVGSVVRGW
>comp10059_c0_seq2; 667 593 3372 LEN=4435; minus strand; translated
MLFFNNFCFSMWAITALATTTTATEISDLPEFEGNMLSLKTIRRNIAGAKASAALSWKG
GVERGGNWLVDVSSASSGLASALAEFEITGCLSSGNACSGFLKITPFALDVEQNPS
FAANVVPVSWKANGFDYAGDFPGAIAPLQVTQIRQAFPNLTGEGLKICVMSDSFNMLGGY
KNDTESMDLPKGIKVLKEAPTLDEEFDGWYYTDEGRAMMQLIHDIAPGADLVFRATAAG
LYDFANGIEELVAYGCDIIVDDVGELKDTFHWLQCRYENNXMKFLIQSFFLDESXFEGYP
SETIYQHDAIAQAAIRAARDHGVAYFTGAGNYQGLGWSSEFRPTEITLPGQNDIFIVHDF
GDGNYKQRIVISDELSPVVYFDAPSGNFTDDAQPTPTVLLLAWDVEGNLLGYVSPNVDG
TAMIQFGFSKGTYDIAFLVGFVGGVSPTPNLLKWIAPLGGQAIDPPNNSAFNPHGNSP
HVAAVGAASERQRMFRMEVEPFSSSGGDPVFDENGVRLQPFVVKQPRFVGPVDFVFSNH
IDHILLVAIFCSLSLTLNLLRVLLWWRFEYTLNFMKKGVRIVQIVLPNESMTADCVSVSAD
SSVFPNLRTHRASSVPSSENSFLGLQDTGMVPETEGFLFYGTSAAPNVAVALLLLQA
NPELNPSQLYKVLEKTAIDMNEPFGDHTTGYGFVNAMRAVMAEKLLKKITNKEKRKKK
LKNLRKKNTHKVCYDYTDXGNVKLAVPGIDFLSDLQVGAWAMNKMFEKTLDYRGEIANK
TSSEHQMLSLPTLFSFKLFIKTRTTNWLEILLSTRIERAVFLRLASGPSWPVFVVRFCVFR
GTAFSERREQIMPRDGQCHRRGRNEGPNPDSVPRAPGATPQVSDNSGGGFVSGCTGGLVRS
GSRGFSLPPSLNLRSEVPVGSVVRGW
>comp10060_c0_seq1; 481 165 1538 LEN=1886; translated
MQVSAVTRSSCANLQQRVRSGLTAFERSYSRLKNQNQSQKVVWKAKGSQFDLGDSSFHFRS
TSSISDKGEIMYRQALQLMKEADELEKKREQRSTMMYKAWQKSQETNMNPKSQGVTLVK
TLAKDVRKARKNDDSDKRGKILELLKHAATKYHPEAAIQVGNILLKEASRGIHKNGTL
KSEAHVESRAKDLVNQAMELFRQAGNAGSRVGNWYNGHLAWTGFPPPKVVDDESEEEGTH
SDFVADNMEKNQIIAGDIDEAMNAFNKAIDLGDSDAMYLVGVNQLGQGGGGQYRDAIRLI
ERAADIGHSGALYYLALLHLNGEPEIELEPCSLEDFMQRLDSAVEAGSIDARFVRANSFY
HGTEGYQPQNFKKALNDFLQAADEGHADA AVSAGAMLHNGVGVGLKDQRKAFELYQLGGEELG
SKAGWMNVVDCWQQLGVQKSEETARYIKETILKEIT
>comp10060_c0_seq2; 136 1 480 LEN=828; translated
VTVYVLELETKVDTLHNSFQHLNGEPEIELEPCSLEDFMQRLDSAVEAGSIDARFVRANS
FYHGTEGYQPQNFKKALNDFLQAADEGHADA AVSAGAMLHNGVGVGLKDQRKAFELYQLGGE
LGSKAGWMNVVDCWQQLGVQKSEETARYIKETILKEIT
>comp10061_c0_seq1; 485 679 1887 LEN=1939; translated
MLETALVMHKQMAAVAGESSSSSSCSCCCANSRDPTISSDYCDDNNMLMYDSDSDLDSD
EDADSDSDWDEEGDECFNYDGGSECSKRTGTETSFYSTNYNQEHSNTNNIKNERLRMT
SCSRVRTFSYTGQDQDKLRSARTMDRMMYHQVYSLPIVASQSEWEDATIDDRSFVLI FNSA
LCNHLWGMQLLSHNMHTQNLHRQRDHRLIYQRSFEIAKVLYELALENVSRSCRPPQQRSN
DSDTGGGIMGVDRVCFSAVFNNVSHVCKVLGGYNNCEVYKYNLLIKSIYWLIDSNPNIQ
NNITFHNDTTNRRSNSDNNSNSQHHYSDSATTLDANQNRQLLRSNASSNSNYNPTTAAAS
SNNSRDYDEHYDESEAEI IDAFLENV FYLGVVPQAI V PAAAA
>comp10061_c0_seq2; 485 464 1672 LEN=1724; translated
MLETALVMHKQMAAVAGESSSSSSCSCCCANSRDPTISSDYCDDNNMLMYDSDSDLDSD
EDADSDSDWDEEGDECFNYDGGSECSKRTGTETSFYSTNYNQEHSNTNNIKNERLRMT
SCSRVRTFSYTGQDQDKLRSARTMDRMMYHQVYSLPIVASQSEWEDATIDDRSFVLI FNSA
LCNHLWGMQLLSHNMHTQNLHRQRDHRLIYQRSFEIAKVLYELALENVSRSCRPPQQRSN
DSDTGGGIMGVDRVCFSAVFNNVSHVCKVLGGYNNCEVYKYNLLIKSIYWLIDSNPNIQ
NNITFHNDTTNRRSNSDNNSNSQHHYSDSATTLDANQNRQLLRSNASSNSNYNPTTAAAS
SNNSRDYDEHYDESEAEI IDAFLENV FYLGVVPQAI V PAAAA
>comp10061_c0_seq3; 485 775 1983 LEN=2035; translated
MLETALVMHKQMAAVAGESSSSSSCSCCCANSRDPTISSDYCDDNNMLMYDSDSDLDSD
EDADSDSDWDEEGDECFNYDGGSECSKRTGTETSFYSTNYNQEHSNTNNIKNERLRMT
SCSRVRTFSYTGQDQDKLRSARTMDRMMYHQVYSLPIVASQSEWEDATIDDRSFVLI FNSA
LCNHLWGMQLLSHNMHTQNLHRQRDHRLIYQRSFEIAKVLYELALENVSRSCRPPQQRSN
DSDTGGGIMGVDRVCFSAVFNNVSHVCKVLGGYNNCEVYKYNLLIKSIYWLIDSNPNIQ
NNITFHNDTTNRRSNSDNNSNSQHHYSDSATTLDANQNRQLLRSNASSNSNYNPTTAAAS
SNNSRDYDEHYDESEAEI IDAFLENV FYLGVVPQAI V PAAAA
>comp10062_c0_seq1; 920 218 2292 LEN=2351; translated
MSDSDSVEISDVELSDDSTLPSDDEDPNASAGAPRGKGRISYVVEDDIDHEEIGDDTA
LAQIKEDKFYERVNHFMNAQRKVEERMQRIDANDRLKAI E VTNHSGGIKEPDSNTYKTM
QQQNMNGEPAKNLGEVYETAYGIKQKLRDLLDAMVDKVKGLDYIDARIVDLKPRDAANNK

AREEYLTRTPGPPESWMYDVLIRSTVTCKTMKQVESVNKFLTKKAHIVQVKNRFQIPAFSG
YRDILYHVLLTWTWTTKQVTFVAEIQVHHKEVANLEKMFGLMNHKYFRPIFAVPDRSD
VQTLRDIHRFQKAGKINEKLIDKIFNSVDANQLYVYGKLFDLKLENYEFAQHLYSRALKI
HSASESGPTVKSAAALYQDIGLVQAKLGDYDQALRSLQSCLEHQQEVFGQYNAEVAITRSL
LGD TIVERGDDSGELLEHRGALQQYKALVIREKCLGEDHLDVAGSYQNIGRSLCKLGDF
QGALAAAYRESLSILESLGENHADVATAHCYLG NVLHEQGDFQAAMEEYSFGLAIREEVF
GKGHKATAESHTLIGQLLTD AQDYDEAEARHRQALVLRD TLLGKESPESAESHYWI GYVL
NQKGDYAAALKEHETAYXDPEQDPAEGTPGHPLSDQHHPDKRKRARTMMVLPGQSTARV
PGRTESINLPFAWFSEFTVSHGAVVSYLKE

>comp10063_c0_seq1; 403 95 1300 LEN=1477; translated
MPGCLSTISNTILVLCYCFLLNRNGAIVCVQAAGNNNRASFRRHVGLASTRLPKKEL
TNNGNAYSTTAGGEYINSNDWGVVTSGSPISSTPTAAPTYPSSFSASADNDEHNEWLLQ
QQYQIEATTFSTESSPSRANTRRRNGKILPSFVSVQNM AATRSFFTAAQAYSRRVY
GESATTFVSASSIVVFLWNLLPPARSILNQFFLASRLSAKRTFGASLVFSAISHSSFR
HLLVNLVYVFLSLSPKLSSIKVPSSSWAAKTRKAYAGLSDAALWPFLLGGALAGNGMFLLF
RPGKSGCLGLSGVTCAMIAVYASAMPDRVLRMLVMGII PVSLRAGTMVQILFAVSLAGSCF
MPSSPISHLGHGLVFLGLLYQNV MIRSKQMLPKLLFGK

>comp10064_c0_seq2; 1230 187 5379 LEN=5455; translated
MMVFPDGTVPAAQQQGVAPAPIPRPPMPGHQSAPSSGMHQMMNGPYPGMHRNVTGGMP
GGQPYQMPQSPATRHNNFSMPGGPGPHQGGPPQGGYSSHPPLHSSTQQPMHPNMAPQM
RNSSSNMGMPPSMSQPPH DGRMMSSSSGRNQYNMGNAMGVNGGSSQNQMNSMNGRSL
NSSMENSMMNGMNTMNNNSMNGTNSMNA PMNNNINTAMNAPMGGNSMAMNGNSMSGTMN
NGMNSSRNSMMNSRGGSGSGSSGLNGNWQTD RDTPHRR TMIQHIVKMLKKDKTGSPEWL
DKLPQMAKQLEVS LYRNARSFEAYVDM TTKQLRQQIAQQVVSQKTRGQDSRRDRQPQSSS
GMRQGGTSSSYMSNSSANRTDRNSVMNSNGVMSNAGGGM TGAYPRAMNNPSSTNSGVQSA
PGMSTNGGSGRNNDP EWKVRIRHKQQRLLLLHHS AKCPHEDGLCPITPHCVDMKRLWRH
MEGCKDNRCNVRHCFSSRAILSHYRKCKDAAC PACGPVRET VTRKSQSNRGSTTIGSNRPS
SSTGNMPNLSSGPPRMRPN DVGHNHSSNAFSSQPMNAQSSFSQPQQQVPNMAPPSSNNA
NSGMMYPPPLLDSTKSTQASYSRGGGAMNGVIGSDFTSPGLPTSSGGQSSNYNQ TASSSS
SSRRNDSEWQKVRHKQQRLLLLRHASKCEHKTNC PVTPHCANMKLWEHIAHCKDQQCNV
PHCMSSRYVLSHYRRCKDAKCPACGPVRETIRRSVREQGNRAVQTSSLP SFDNAAPPDAA
PPAKRQKLPTPRKPQAPAVVPSTKPKPVPSV VAPPKVTKAPSPAPPTNKGSEDRSLDSF
TLEQIETHLASLNRVAELSPAKWKKVCL EVLKGLQTHEHGWFVNSPVD PVELNLT DYFEI
IKNPMDLGSIQKLEKGEYHAIKDFQSDVNL SFDNAI LYNGKGTVVYDMAKELKKKFEVD
YSKLVEQLKNGKQNERACILCGCEKRLFEP PVFFCNGMNCASKRIRRN SHFYIGGNQYY
WCNQCYNDLDPKASIDMIDL SVKKS DLK KKKKND EIVEESWVQCDICERWIHQICGLFNTR
QNKEHHSEYCCPLCLLDKRKVDKPKP LPRPAGATEL PRTKLSEFIEARVKKKIEGRQQKV
ASEKSLTQNISMEEAMKETKADGGPVTIRQVTSMDRKL E VFERMRKKYAHKKYPEEFTFR
CKCLLVFQEIDGVDVFLFALYLYEHGEDNPLPNKRTVYI SYLDNVHYMRPRKIRTFVYHE
ILISYLDYARQRFATVHIWACPPLKGGDYV FYAKPDDQKTPRDSRLRQWYLDMLTECQN
RGI V GKVTNMYDLYFANESLDATTVPYHEGDYFPGEAENI IKKLEDDSGKNGSSGK KKK
QKNQSKSKNRGGTRSTGVDEEALIASGMINAKDLDRDKVMVKLGESILPMKESFLVAF LM
WSGVKEEDTVVPEEIVKYREEHP EMQAPLAASNKRNV DGLMKEDAPLVDSNGCPIKVIDD
DAEDLDCEILNNRQAFNLNCKGNHYQFDELRRAKHTSMMVLWHLQNRDAPKYVQQCVACS
REILSGKRYHCNFCPDYDLCE T CYKDPNTNRGTCTHKL E EVKLSDGQSESSGLTAAERKQ
RQRNLVLHIQLIEHASQCKSKGCNSKNCAK MKEYLQHAHTCKTKVVGGCRI CKRIWTL LR
IHAQKCKEAVCPVQCKTIRDKMREL RKQQQAMDDRRRQEMNRHYRRGNE

>comp10065_c0_seq1; 378 45 770 LEN=1219; translated
MSLFFKLLKND SKTQAMELLDSGMASVEEMQNLYS QLFALDKLSEASNAFVGSATTASNEV
VARAVATTL DQISAQNTLLAKL DLFITLHIPKIEDGGNFVGVQLDLVK KLSSEMKEAANK
SIETLLAYDNARADALGKLNLP SSTSSTKSSSATT TDGKKEEKSSSESTE EKQTSSASSG
PVYESRVASVVAVDTLYYSKARVIFSQTIITFVAVMDFIEKNKDKLVEPKGKSGGSNFSM
Y

>comp10065_c0_seq2; 378 45 770 LEN=1244; translated
MSLFFKLLKND SKTQAMELLDSGMASVEEMQNLYS QLFALDKLSEASNAFVGSATTASNEV
VARAVATTL DQISAQNTLLAKL DLFITLHIPKIEDGGNFVGVQLDLVK KLSSEMKEAANK
SIETLLAYDNARADALGKLNLP SSTSSTKSSSATT TDGKKEEKSSSESTE EKQTSSASSG
PVYESRVASVVAVDTLYYSKARVIFSQTIITFVAVMDFIEKNKDKLVEPKGKSGGSNFSM
Y

>comp10066_c0_seq1; 357 119 664 LEN=1489; translated

MTSILKEAFGSAELDLIEDVHVDKDCSPAQLRRAYYKQARDFHPDKNKSKEAKLKFQAI
SFAYSLLKDPDKRKDYDKDGIIPFDNEDDEANGQSRKSWKEYFDLIFGKISTDDIDSFAQ
QYKMSEEEEEKDLQNYIKFKGYAPLVDRFTDTNNGHKTNFLLRVFCDHFDVTGGTNSTK
Q

>comp10066_c0_seq2; 468 119 1060 LEN=1272; translated
MTSILKEAFGSAELDLIEDVHVDKDCSPAQLRRAYYKQARDFHPDKNKSKEAKLKFQAI
SFAYSLLKDPDKRKDYDKDGIIPFDNEDDEANGQSRKSWKEYFDLIFGKISTDDIDSFAQ
QYKMSEEEEEKDLQNYIKFKGNLKKMLEFVLLSDERDVARWIEDYIQPAIEKNEVENFEP
MLTKTRSQIEKKIPQKTNNKSFQDVYFNDPDETETEDSESDCATRSKITKHSGRSKGQK
GGNKTVRKAKSTKAKTKSKDRNMEDLIASIRNKNQGQGNPLASIAARYGTSLTEEDPIDNE
QFEKLRISKYTKKK

>comp10066_c0_seq3; 308 1 815 LEN=1027; translated
XPSLVNHYHSPHIRSRVCILLKLLKDPDKRKDYDKDGIIPFDNEDDEANGQSRKSWKEY
FDLIFGKISTDDIDSFAQQYKMSEEEEEKDLQNYIKFKGNLKKMLEFVLLSDERDVARWI
EDYIQPAIEKNEVENFEPMLTKTRSQIEKKIPQKTNNKSFQDVYFNDPDETETEDSESD
CATRSKITKHSGRSKGQKGGNKTVRKAKSTKAKTKSKDRNMEDLIASIRNKNQGQGNPLAS
IAARYGTSLTEEDPIDNEQFEKLRISKYTKKK

>comp10066_c0_seq4; 197 1 419 LEN=1244; translated
XPSLVNHYHSPHIRSRVCILLKLLKDPDKRKDYDKDGIIPFDNEDDEANGQSRKSWKEY
FDLIFGKISTDDIDSFAQQYKMSEEEEEKDLQNYIKFKGYAPLVDRFTDTNNGHKTNFLL
LRVFCDFHFDVTGGTNSTKQ

>comp10066_c0_seq5; 308 1 936 LEN=1148; translated
XPSLVNHYHSPHIRSRVCILLKLLKDPDKRKDYDKDGIIPFDNEDDEANGQSRKSWKEY
FDLIFGKISTDDIDSFAQQYKMSEEEEEKDLQNYIKFKGYAPLVDRFTDTNNGHKTTFFF
YVSSVVISMLPVEQTQRSSNLKKMLEFVLLSDERDVARWIEDYIQPAIEKNEVENFEPML
TKTRSQIEKKIPQKTNNKSFQDVYFNDPDETETEDSESDCATRSKITKHSGRSKGQKGG
NKTVRKAKSTKAKTKSKDRNMEDLIASIRNKNQGQGNPLASIAARYGTSLTEEDPIDNEQF
EKLRISKYTKKK

>comp10066_c0_seq6; 327 119 601 LEN=1368; translated
MTSILKEAFGSAELDLIEDVHVDKDCSPAQLRRAYYKQARDFHPDKNKSKEAKLKFQAI
SFAYSLLKDPDKRKDYDKDGIIPFDNEDDEANGQSRKSWKEYFDLIFGKISTDDIDSFAQ
QYKMSEEEEEKDLQNYIKFKGNLKKMLEFVLLSDERDVAR

>comp10066_c0_seq7; 468 119 1181 LEN=1393; translated
MTSILKEAFGSAELDLIEDVHVDKDCSPAQLRRAYYKQARDFHPDKNKSKEAKLKFQAI
SFAYSLLKDPDKRKDYDKDGIIPFDNEDDEANGQSRKSWKEYFDLIFGKISTDDIDSFAQ
QYKMSEEEEEKDLQNYIKFKGYAPLVDRFTDTNNGHKTTFFFYVSSVVISMLPVEQTQRS
SNLKKMLEFVLLSDERDVARWIEDYIQPAIEKNEVENFEPMLTKTRSQIEKKIPQKTNNK
KSFQDVYFNDPDETETEDSESDCATRSKITKHSGRSKGQKGGNKTVRKAKSTKAKTKSKD
RNMEDLIASIRNKNQGQGNPLASIAARYGTSLTEEDPIDNEQFEKLRISKYTKKK

>comp10066_c0_seq8; 167 1 356 LEN=1123; translated
XPSLVNHYHSPHIRSRVCILLKLLKDPDKRKDYDKDGIIPFDNEDDEANGQSRKSWKEY
FDLIFGKISTDDIDSFAQQYKMSEEEEEKDLQNYIKFKGNLKKMLEFVLLSDERDVAR

>comp10067_c0_seq1; 421 302 1279 LEN=1279; translated
MALVTKYTALFALWFMHASAKVAMASDEDFCSSATDIGTELDFNADLAENKLHEGGVH
YKDVGTVRGNSVDLVSVVHEGTDYHTQAPDANGLDGFNGINLTIKRNSNTYDGEVDF
CFHDSVTQELTTLDSFHFYSFYDLQGGKKKVTKEMLIIDSSQIENYVYPTMEDSEVKIV
CDETGEAPTETETPCTGKIQFKSSKHGEGDDNPRDPAELTDEQMARSVLFTFKDANCFVH
LRHYCEFKKCNWYGGRNFLFAGHTANMLEGGQCVSKTTEEHEYDLDEFDETFEDEDLE
IEDALEESEDEPESEDEPESES

>comp10067_c0_seq2; 402 1 1449 LEN=1684; translated
EPESEDALEEFDEEETTNDIQVIKELCSETRTITTELNFDFSEVTQSDLTEGGIIHYSKI
GEANNRDVDLVSVVPGSTYANEKKGDSMNGKYKDTFGNINVQADDGRGDFRFCFYDSET
QEPATVPSFRWSVFDLQQRKDKKIGERMVDTSQAESFNWVWDPNKSELKISCEFTDHP
PPCPIGVRTVLTASTHGGLSDNPTDPNELTDQKKRSVVFVETHCWDFSYELYCRYED
EGCAKNQGGNFLFAGDSKEIVETGECVAPPTVPPVSPRTDPPGTGAPSAAPSGISFTVDP
PPPPPIGCPEDIEVLRVDGATPFPVGAWEKPSDRAEFPGTMAALEPAVRIVSKDTKTVT
SLANAWGADLDEIFYAFKPDYDYRCYEEFVDAGEAIDTITACNVLNPQAELEICVRD
GLVKETLSPLDGAIIPKCCHSGEVTTQDSAVVCYHLAISCSKECREEEVAKRSLRGAAS
RA

>comp10068_c0_seq1; 275 1 782 LEN=1551; translated

XYFYVEADNDLCVPMTMVKDLALTEKRYFINTGIGFSGWIMSREFLGDFIELYGNSTLDR
KVTKVKPGTNETVTESPEIRPDVLASYLTDKQAWTVTRQYVWSHTTLESLGIASLTVKD
RRKNATGERMKLKDHLPRCLEPRRGKWKVSRKKPYLDRDRFGWDYFDYEVCPNELLPFC
GGPDQLKKLVADDLVRANETGALAKWAKMAEQKRRREAAQAACKRAAGEQNPTPKEKAAA
LRERLRREEEGRQEAKRNKE

>comp10069_c0_seq1; 610 181 2246 LEN=2246; translated
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GVPFELNCEGNRNSSFDLRREECRDDVDDVTATFNPDWDSYGSKVIKQTRQQQVQEDVF
DAFRSSGEDFKSRLAAIDAFDHARHLSPPERQELPSNTRTQPKIGSSSGSKWSTRFGRK
KKNPFKYEVFHNDFDAREDP SHKGRSDSKKKTPIFHSPPEFTIPESQNEELPSVLGSSR
GWGAGHSSSRERAPSEALSGSTQPKTCRRSFLGEHEKCHHGGRIGIEPFKPTTTSVKNA
ESTKIKPRTSIENPNGSESGEVPQDPVDQQLSFLPGDDFFLSRNIHENPNSNSDSIISTNN
TDVKCFDEDQETNTTSQITDQAPKSNSSSLSVVVPVGVDDPADCLSYADSSCSLPHNDRY
FSKSKEKIPLLKSKYVDCNSCGSPIKSKKKQQLLEKAKRAEIKRKLREEMWDRSQFYWKY
ESIGGKKDLQSGDELDNLVSRIAHLTPQSQQQLQHNDPLIDSECEELCKQAISVEEATGE
LPLSIADNNANHHREGVEDFFQMPLGIQLSTIAEGEDEDIVGHNSSSFRSMNRTVLEQPV
MDALPNNEASCAPGLVDDSKTKKKKSYFHANSRPAYEEFQEHTYFESIQQHRISSVK
RAVPKELSFNKKSFPLVHEEPREQQQQXX

>comp10070_c0_seq1; 459 1 1412 LEN=1596; translated
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TVLPLYDEIKDPVTEPPTDKLPWAEETKDLTYAVPTEASKQEAHPHEMTAETPGSIFPRD
KRLMETIATRLPESLARLKDSASPQYRALEWLTAHQPDPIEILINPSRLEQKYALAVLYY
ETGGDQWENNTGWLTHGNECEWFSTSQSPDQSVCDMGRITEIDLSSNNLRGSIPPEIVL
LSDHLKSI SVDGNSLSGAIPPAIGREMTNLERFDAQRNALTGTIPELTELASLTSKLS
SNKLVGSI PWQLSDLVNLETLDLSSNQLTGGIPFLGGLTALNELILRNTGISGGIPVEI
ANLWSLKT LRLEQTDLEGEMPAPFCLWLRPLLESVVDCVACSCCDGC

>comp10072_c0_seq1; 407 32 1162 LEN=2084; translated
MPPSRLKKRVCIVTPLTLVCLLDGTSSFHYSNVCGNLLLLGQANKSFNNQHLCYTHYSYR
QNAIPTFLDENRIETRRYPWTGDRTDQNPAPFRPDQPYVFRPCQPVKHHYWEELCPSSAK
MSDVASILYSFLRKSDDNASRPSPLDISVTWAPDENPQNVAKSIIRECLCHLPEYKRKI
DFEENIVKHLESTLVESLNGYRDFCETHMIRERIVDSNLVLNQKFKCRLVATRGPSGAKC
PQFHIDNVPCRWIQTMI GPGLDLVNTVDANGYCDKVIWDFNNSPARTETDEHNDDEYD
HVMWSVEDRNRMLVDLSRADIYQSKKGEAVLIPGSCWDSYCKSSSTTSATKPVVHKSP EIL
GSDQCRVLFQTQDILFE

>comp10073_c0_seq1; 302 1 1159 LEN=1259; translated
LQPKGNLSTMSSSSRELLKIYSLEDIEKIVSTTEFRNKLINGIKEGFVSLEKGEFFAAPI
QTLGLPPFPFLEVTDYAAQTCVKSGYFKGRDHYVIKGVVTSRSVEGGKKIRELKRECKKK
TRLFVELQPQVSIFIFCLHPKVASGGHPMPNSGLMQVYSQKTGKLEALLLDEGILTELRT
AAVGALAAKLLAPKIEAIGVIGSGVQARYQLDMLSAVTECRNVLVWGRTPTNVDILISEM
TAKGWNISAATSPDRILLEDVDLIITTTSPREPIIGKSNLSTRNSGLTIIICIGSDAPGKHE
LSPALVAKADLLVADKCAQSIERGEFQHAVANGLVSKESLVPLGLDIQNEDLHRKDDDDR
FIIFDSSGVALQDCVVSSLVVGTL P

>comp10073_c0_seq2; 323 1 1023 LEN=1123; translated
LQPKGNLSTMSSSSRELLKIYSLEDIEKIVSTTEFRNKLINGIKEGFVSLEKGEFFAAPI
QTLGLPPFPFLEVTDYAAQTCVKSGYFKGRDHYVIKVASGGHPMPNSGLMQVYSQKTGKL
EALLLDEGILTELRTAAVGALAAKLLAPKIEAIGVIGSGVQARYQLDMLSAVTECRNVLV
WGRTPTNVDILISEMTAKGWNISAATSPDRILLEDVDLIITTTSPREPIIGKSNLSTRNSG
LTIICIGSDAPGKHELSPALVAKADLLVADKCAQSIERGEFQHAVANGLVSKESLVPLGLD
LIQNEDLHRKDDDRFIIFDSSGVALQDCVVSSLVVGTL P

>comp10074_c0_seq1; 217 126 635 LEN=818; translated
MALRGYIQELIRDRNAYDIKIVHDVSVSSLPFCGDDDHSM DASELDGSMSSLSLHDLKEC
NHNSNRSLDFFAQ AIDGDFANGIGERECSSNSGARGDDLGLMLKSFRRHRRLKQTLSP
VKVYQLSPTISGSQTTPTKNEMKVDNQRSRLAILARSSEICGPPSLTDH

>comp10075_c0_seq1; 259 1051 1682 LEN=1682; translated
MGDGSRGFSMARYGDFNETKRDVIGSQKDTDEDASRTSNSTDGVAGISPGRRTPHEPSI
DRIIVGTPSTVSTAPSSDDEGILDYKLDESASILPNLLHPLHRRDRRFGEEDVLHINDPQ
RLHPGSSESTQESNLWSRQSATAISYEEPRRSFDWITQVVPNHGPPLRHHQPQQRVASFR
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>comp10075_c0_seq2; 259 1050 1681 LEN=1681; translated

MGDGSRGFSMARYGDFNETKRDVIGSQKDTDEDASRTSNSTDGVAGISPGRRTPIHEPSI
DRIIVGTPSTVSTAPSSDDEGILDYKLDESASILPNLLHPLHRRDRRFGEEDVLHINDPQ
RLHPGSSESTQESNLWSRQSATAISYEEPRRSFDWITQVVPNHGPPLRHHQPQQRVASFR
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>comp10077_c0_seq1; 783 32 2773 LEN=3074; translated
MTTSTDQNHFSGSYEQDGESEHYSSVKYAPSDDDNGNVLYDDDLCAEYIESGSDGGLDPGVL
LAILENAVDQHHGHPTMMAISSSTNPEELPQKREDLEQTWKAIRTYWLWAHETREQRSAAA
YLRGAADLAPLHLICKLTNNPPTDILNEIVHAAPEVAAWADSNMWIPLHHACINGASTEVE
LKLLISTYPKSKGCLDGHNRTPHLHYATRGNSDNYNPLTMATNFSLLCSAVTGEDSSSSL
ENLSVSAAEVRDVAGMIPMHYACAYGTAPSVLQVLEEAYPQSINAKDNNGRTPPLHFVMVN
AQRTASPGVLRFLLGWQEGENGGLVSRAKSNIQTCSVNVRRDDGHLPLHKLNI GLNGSDL
EQTPKLDSSAAECLKLYLAAEPSASTDFLAALQALPDLQDVAVVSPHVRNINLKKIIQR
FPTSILMLDGI MLVIMIVAFELATTRFIDQSVEGITISLEDDLEPLLMLYTTAAAYFFLR
ELIQVIASLTGFAFTSWLYDTTNWLDVLVITLVTYYSIIMAI DEPQNYANDAKEAEDPFE
AFRSGTALTKGVLTAVIFFLKSTQVDFAVFLNGVYVHRLVAFLLAILVILISFAQMF
WVYVLEQPVCRFSCGEDDIQCKVEMEGCAYPHCEFGDSFLKVYTMMMGEIGTETRYDENL
VAQILYIFYGFFIVILLSNVLIIVTDSYEVVQNDRAAIVFWSNRLDFVAEMDGIASVVR
RRIFCAERTVLKKSIA SNTHDDQSQDSVPSS E IYDNTDETEEWLRQEWD SVLSLFEPDV
YGAAAEDIRPIDFWIEILKKT LAVVIPPWLI FGFVTVGILWPPQVREWLFVQVDSVASR
AEIERRKLEQLQIQHETKLLKDEMRMEMKNSRDEMFRTKAEVDAVQEEVLADLQQVSVL
VSTLLSDLGGLEG

>comp10078_c0_seq1; 371 293 2178 LEN=2199; translated
MVGVVARTTQRRWKS LAQQVSSSTNQRRDKPLANVQKQLWEFYFSTGRGASAI FEVIDLKE
KGALEPKQVKEFITEVLKYQENKTVQVDPDRDIMPYAWNILEKREQDGQTYDIRDFKFL
VAATKMSADTKNSRLMEYLSNPNVGENSYLSDAEEEDPVFTWNEESMSQSLRRMQYAVR
GEVVMKADQLASQGEIILYTNIGNPHQVQSPITYFRQVLALCDLPADCGVDHPKVYEMF
PRDVVERAREYRDIIGPSGTGAYSHSQGILGLRKHIAEYIQKRDGYKSFPGNIFLTNGAS
TAISMVLQGLLASNRDAVMIPPIQYPIYSALISKLGGRQVGYDLDEGMNWA VSREELEKK
LEKAKTKGLEVKALAMINPGNPSGNVMTHCDIQTLTEFCNTHGIVLLADEVYQTNVYAEH
AEFVS AKKVAMDCNLKQLV SFHSTSKGLIGECGRRGGY MELHHIDPYVQS QLYKLASA
DXLLGGRPTDDEFDGP TTRTGEQSYELYQOETNAIYNGLKERADKLV TGLNKIPGISCV
PAEGAMYAFPSVEVPPKCLEAAKELGTT PDNLYALS LLEMTGICVVPASGFGQKGRVGF
RTTFLHPD TVKAIDLFAQHHEKFTKEYS

>comp10079_c0_seq1; 2207 114 7651 LEN=7834; translated
MWEAANAPTRDDNPVTTSA AIGVDRGYTHSKHDPGKQHAHSNREHYGHGDGRYRHLIASS
ETVEAALSRLSKAYTTSMECIGAIHKTNHMILKEQRQTVRSGGTHQTRTVAPT VTTENKA
LQSIKRVSNVARTTLETA ILLDPLMLPHAPILHQSMIELSNSAPFS DNDELGKDGPSSA
TAVSNSSRWKAVQDQRPMPTISSAAHKSTLVKLAYLSLVNYSDDLQQGSRS DIKNQKST
NEYTILDRGVVSRQLSLDKETSAGVNDNEKQCCWSPETPEETQRLAVAALCDASNLDGSD
PVMWLKLACASRKLESLVAERHNRGKQHECRGITTLERSQHRR LQKHALERGSVALPNHM
PPNRTILRALEEFCEPEPEDEYYSGGSRSTKKIKVHKKTLGLTRY SWLVLGKMIIRACKG
EEATTPWEHLSPASLLTKSPLSMFGSPSVVLKLS PMLVLP SQVLGKICQYLENTS IWKFE
ATCRALS VNVAARAFMEENDSEDDKDEDEAADMLLHKHEQKQREQLKKMEIEKSKDQNE
LLDAEKKGPELENEVNEEMVNEQSAAINRNNSRDTKTTQPKQSFRA SKRLRSQQISTSK
KQDRAANRKSFDYCFVAATLSCTKEKHNDLADGLRKKKELAHLFRGVENAGFASNTSGRR
RTHSSLQENTRQGSKSMEVRERIGDSSLSAFVERWTMNSGPM DVLERYLAHVALFAEDV
FASDSPTMGLHSCII TSFQLLLMRSGSNQCIVPKFFKPI TKTGSALRSLETTFAMDLLNAE
LILRQCDRYVPKVVEFD DDANLISLMMPRLVESCNDLKEEINSINTEIKICEKDRKKFHV
LEIRCYWLTACFYLRWSRIARPIYMSREAEDEGIHF IGMAIECFKSPVLKSTKVIKTPQL
ASPGREDAFWHEI SASTLSKFRDEIQASSVVS HARQRFQELVAQLDAEENTERLSTESAG
ALAEIGRKL FERYNSQYGSTESKLV ELVDNVLAESAGDLFLRKITSQSSEQVDETNLDIT
DFIQLDAYRVEDLKRVS NPTILSMLVICLNMDQSNRLSVAQ LLLRLVLTTRDIHSLLLKQ
IADYRASRKQTDGYHSDSDSDDDMSDAGPQLSQKDDDEKKARQCGHFVKLLIKCLCIICK
SYLSDDDRETLVMSDEFHEMINSVLD FSNQWFESTLRFLSITDDTLDQDLVGLIQKLLSE
SKHFNERSRVPEPELEAVFFHGLVKI IISQOENLKNLCNSHVKRSNR TAIKRLCIQRAQYI
GIVASKLGAMLSTHLATVNGFVLKSSLFEPHDVDGRNSRKSHTSNEEII FLHAVRWLRE
FASKDVGESLTGSNNGITSNSFDRPIVKELKIPISLLVIGL CGSAPCSRNSGILGVVSES
ENHQGYPLSLTEFFDSASINDWQSDSEEDNNERTK KELLRVICHAIQCIVLILDV VDEK
DTITKFLENDCDTAFG PLLPLVSARVLNFFADTILLNF GDVKACGKNRALLWSEDPYRA
RYIGELLDTALYKTYRWLYGFALVGEQTYHYTSGNECSHSTNNINEIVEKGFKLESTVAA

GQLYRCIVRAYSGGRKTPPKQALEAVKAALPPHRESEQSKLRRFMFSGENNDLDMNSLL
NMNEQWDSFVAVRDSMMENKDSLNSANSSLEDEEAAQVRRGLSKQLALGPLPVVASDP
RSKSDAGACDDRSQTMCEIAIAKKNAILDDLCLSDADNWEWYRAGQCCMMKADTIAD
RLGLTKGFSRIKGFVQAHRGSTHRSKEIGKLDKDEQEQEERMLKQVSFLGHDYSFYTNHV
WSSLSALRDFVAKVKKSLERENDKDKILSLAVWNEIDSKFDDGKYLEGQEQACGGLFVSAL
RNL SIRFLSVALYILQSKAEIKSDTKVLLSEICETLGNTFYSELMASQKYGWPMRVLTSK
RKRDIAITAKACYVASIMHADDVEEDNSDDHSTWDLQFMVGKCEKIAKTYEQEAFPK
QTECSPDNSRLYEQHMSEAMSAYSALAEANKLEDSATLLLDSSGGSGHGSTEILYRLHAS
RLKCLIHVSRRKEEERGQAELEALRLTEKYHFKDHDLLVDAMDKSVHERIWIWVADVDG
LFNCRKLPYFHRVYRHAQALMWSPVFYDLASSKRSSDIVPATHSYQIKGLDSSKPAAF
SAESVIGALFDKRVQLCAVWVTNSGTASPFQAINSTVRKYDSLGRKYIGAYLETLRICN
RRPEVETLMKWLYTSKRDLPSYFQAGAMNYGDKPTTSQTQDPLLAVGSKSSLMANGFLLS
AKRRGNGVLADVLMHEISKVTTVASSKNSSTDGKNITEFYLKHTYACYLRLNCSIEDLS
RVRAWKYGSGSLREVEALCQAYLLVADTSKADLASTSDFGDWSSGGGRKSLIFKAAVEKCK
AMFPLSANAVFGKSKPKKAKSGSNILHDDQDPDELEKGRKSPSESSHEPTEKVSFEVA
VPLGLNPGDTFLTSVKVGGSSNMKVKLKVPFGSTFFPEIPSORSEVKNESEK
>comp10080_c0_seq1; 544 285 1553 LEN=1750; translated
MASAMSTDATNVHQAKEEQVQVDMNSMIGRIKPKPVCLDLNLRAQSTPTEGIRKVFVSTG
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FADGDFSLRKERSEQINLKVKQTQTI SRNGRQTQRYTQDKATNI IHRMTTGCIPILKDGRI
MFCSASRKAEWIIPKGGWENDEIMEESAIRETFEEGGVFGVIGPKLSEIAYETRKGGKRR
IEFEEVQRKVKKEIREAQSSGIMAVSPTSNEGTTSPQTASSPKPEVVSATEDANGGSAD
KEGSSGQPEKLAKVNQPQSSDGDNMSVASETSLAQSHIKMSLFPLYVTEVCDEWPEQGR
RKVVDIDEAIRITEPRPYFQAALKEKQRLHLQCDFQAEETASSTVSAPSATGPENIKG
EI
>comp10080_c0_seq2; 544 440 1708 LEN=1905; translated
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FADGDFSLRKERSEQINLKVKQTQTI SRNGRQTQRYTQDKATNI IHRMTTGCIPILKDGRI
MFCSASRKAEWIIPKGGWENDEIMEESAIRETFEEGGVFGVIGPKLSEIAYETRKGGKRR
IEFEEVQRKVKKEIREAQSSGIMAVSPTSNEGTTSPQTASSPKPEVVSATEDANGGSAD
KEGSSGQPEKLAKVNQPQSSDGDNMSVASETSLAQSHIKMSLFPLYVTEVCDEWPEQGR
RKVVDIDEAIRITEPRPYFQAALKEKQRLHLQCDFQAEETASSTVSAPSATGPENIKG
EI
>comp10081_c0_seq1; 243 81 1073 LEN=1428; translated
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ILQVDDLEWKYVKPYLLYIVFFSTGVYANMRSLSNANVETVIVFRALSPMLVAFLDALFL
GREWPSYRSWAGLLTLTAGAYGYASFDEQFQTQGLSAYLWPTFYCIVIALEMAYGKKIVK
SVPLKTQSGPVIYTNLIGFIPMLLILANVGNEYQKFWFXYWTVGAGRLPLAATALLFLGSF
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IYQQAPMRSEQKVVLPVNNTAIEREKMIK
>comp10081_c0_seq2; 207 81 917 LEN=1507; translated
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GREWPSYRSWAGLLTLTAGAYGYASFDEQFQTQGLSAYLWPTFYCIVIALEMAYGKKIVK
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>comp10082_c0_seq1; 506 1 1274 LEN=1687; translated
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MRPKKIYDMDVFEKIEHANELKELATSKFMTRDYTGSLLELFARALDSVRYVQHKADSTNE
VRADLIVVMITCSNNAALCSSKKGDWERAFAANALVLEALEEKGNEKIKTVINNDG
IGDSQLFGTQKVKSLLLIAKSMMERHDTSKTTSTLKKAMEAISVYKKEGDQMYKQLSTQE
KDIRRRLRLEFSRKTREARIEKKQAKAMFGGNEEHKHVKKNDISNNETTVOQKEKISGEI
KTEESELKRNTRKEDCVPVGFNGDEDDDYSHSSFIEEHSEALLILSCIAVGWFVVKMV
TKRK
>comp10082_c0_seq2; 259 1 777 LEN=777; translated
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KEQTSASLVGSDVLRWGRGKVIIEIRDDLMETHAVKLSWRLAGRSSVICYVSRKECQA
MRPKKIYDMDVFEKIEHANELKELATSKFMTRDYTGSLLELFARALDSVRYVQHKADSTNE

VRADLIVVMITCSNNAALCSSKKGDWERA AKFAANALV LIEALEEKGNESKIKTVINNDG
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>comp10085_c0_seq1; 194 1 729 LEN=1174; translated
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ISFQISSSSTRTPASFDSIDTKSVNSFSSPPSRKSSIGLYGVVNDAD EDVATTTDDAAD
RDDGTPGLWDAAGILGTAASIVVLRSEFVLKTTGCGLPAGPFGIVGAIEGISYLGVVATC
AASVVDLVASEDGASRPKTVAGRVA AAMSFAAVLVGITVLAFLQLTDYGYIPNAVPMEGM
CE
>comp10085_c0_seq2; 194 1 729 LEN=1196; translated
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RDDGTPGLWDAAGILGTAASIVVLRSEFVLKTTGCGLPAGPFGIVGAIEGISYLGVVATC
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CE
>comp10086_c0_seq1; 157 503 1435 LEN=1857; translated
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RRVLERNERDCEYIVECPNSTDIVFKRGGKNAVHNAGNTRFRSIIQKKWERGGFMEMTQT
KLADELQKEFTLGGFRIIRWKENQSRFIRATDEKTIYSKIEYSIRAFREKDSQSINRRVA
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AYVNGCFGVL
>comp10086_c0_seq2; 136 1038 1718 LEN=2140; translated
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SRFIRATDEKTIYSKIEYSIRAFREKDSQSINRRVADTLLEKTTSGATTRTLDFDVAGGS
RKRKFKFINGSVNGD GNDVCCFQEITDSDSSRADFCAYVNGCFGVL
>comp10086_c0_seq3; 318 67 735 LEN=2310; translated
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NRLTKFLDILGEAFGGQVLRPVCLDDFTKKEQLI IKKGPLQMLPYRDSAGRRIVICFPT
DDISGDTPYTRVKISLYYSFIAMTNGLEEDLETQRKGIVMILW
>comp10086_c0_seq4; 136 874 1554 LEN=1976; translated
MELFYTLNSFGIPAEILPITTTGGKIKTT SINQWFKTRRVLERNERDCEYIVECPNSTDIV
FKRGGKNAVHNAGNTRFRSIIQKKWERGGFMEMTQTKLADELQKEFTLGGFRIIRWKENQ
SRFIRATDEKTIYSKIEYSIRAFREKDSQSINRRVADTLLEKTTSGATTRTLDFDVAGGS
RKRKFKFINGSVNGD GNDVCCFQEITDSDSSRADFCAYVNGCFGVL
>comp10086_c0_seq5; 387 67 1605 LEN=2027; translated
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NRLTKFLDILGEAFGGQVLRPVCLDDFTKKEQLI IKKGPLQMLPYRDSAGRRIVICFPT
DDISGDTPYTRVKISLYYSFIAMTNGLEEDLETQRKGIVMILWFDPKFGFGGGMKERPAS
RLRQTTSIRVAALHICTPKTVQSRFSRFFFEAAPVRARIRIHLGSPMELFYTLNSFGIPA
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TRFRSIIQKKWERGGFMEMTQTKLADELQKEFTLGGFRIIRWKENQSRFIRATDEKTIYS
KIEYSIRAFREKDSQSINRRVADTLLEKTTSGATTRTLDFDVAGGSRKRKFKFINGSVNGD
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>comp10086_c0_seq6; 157 339 1271 LEN=1693; translated
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RRVLERNERDCEYIVECPNSTDIVFKRGGKNAVHNAGNTRFRSIIQKKWERGGFMEMTQT
KLADELQKEFTLGGFRIIRWKENQSRFIRATDEKTIYSKIEYSIRAFREKDSQSINRRVA
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AYVNGCFGVL
>comp10087_c0_seq1; 783 109 1800 LEN=1988; translated
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DALGIKHKNDDEEDSENEFVTERRPTQAAV VIRRSEKERERRRRMRSDSSSSSSD
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LEEKDQQKEQSSSLEVGRVPSQRDRTRIEPAESESLGRKAKQRRASSSSDSDSESSSGSS
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RALVAKELSDAKSSLQNDYGDDVDDECGGANNAPPNDDELDNDKEHNAWELRELERLLK
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>comp10087_c0_seq2; 592 1 1646 LEN=1834; translated
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RRREAESSDSSSDDECERRRNRALASRAQEEPEPVPEPRARLEEKDQKQKQSSSLE
VGRVPSQRDRTRIEPAESESIGRKAQRRAASSSDSDSESSSGSSSSDSSSSSSSEDE
PVRLKPIFVPKHKRNLIQSEKKWEEELRLKQEKERNQKRKAESRALVAKELSDAKSSL
QNDYGDDVDDECGGANNAPPNDDELDNDKEHNAWELRELERLLKAMDKEEKRRKEAEFEY
SRRKKLTDAECLKEDIASGRYQAPGANRNQGTSGGSNHLKRYFHRGAYYMDQSEWDEGDI
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>comp10088_c0_seq1; 814 1 4121 LEN=4253; translated
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TDGGTSVSPSPGQSCANDSQNFLFPFSKTDIATSSSTGTQNGGSSIHRKRGSKRMRDRK
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RACKNTRNSRKMPLRACKNKRANLQKEFLTHEDIEKELELSDDGDEADDDSEDEEWLK
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RSPKKRRCGSDXHLDSLHQDVIDVSKDHRKSSGAMLSERSSGEDINPNQRLVKEKRS
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GTSFIGSSPRRHSTEEHITLRQQETNATASKKRVRFDSSTTF SVKIKIKTNLNARGHK
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DICSPCLLRRQCRTCRVGCVDSLGLKPSPNSTSANQKEKHCTDKLADTSNMQV FYSKDP
VATKSSTLAPSPKASRNTKAPWEEGDDWTVDYSYLSEPEYRQSWSIASNNSGRHKVHSS
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>comp10089_c0_seq1; 349 1 1546 LEN=1685; translated
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YVVVNVDPKSKTSPKEIFDRWNDHENRYKLNMTIVKMSDSYIPDFSVRMDALEELILSN
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YLYTQNRYYKKS GAH SWETHRPMKDICKKEQQKRDKALQQMIREEKFTLSHYLGSWRSYS
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>comp10089_c0_seq2; 307 1 1667 LEN=1806; translated
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STEEERQNI IRRFDTLRYKFLTHGMDGQPKSFIDLSQRNPYLYTQNRYYKKS GAH SWETH
RPMKDICKKEQQKRDKALQQMIREEKFTLSHYLGSWRSYSFRNDARKGGIRS YDVAERA
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>comp10092_c0_seq1; 1006 132 1556 LEN=1556; translated
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KATQATQDAVNNLV TATQAKVVI PPPPPLEAGKARPLFSFVRASVSGDAASAASGTNWEV
TKTKSILLRDNIVRLAGKDPAEIDFPKISLPTVAKGQAVAAGSAGIDFSGFNIKALQEYS
ATLSPNEQGLAALAATGMLLLVLGAANKGNDKPKTETMDIAASSDAIGGLTDELLALQSR
MEALEANGIDLDSQLKDAKEKLTQKELVISKAKLKAADDSLNLNREINSLNQKIAANKGK
VKDMDIELAKARQECRALMRELESARVEQEKAQKAEEAKKKLAEKKKNTTEEAKKKAAEAK
KKAADARKKAADDRKKAEEKKKAVAAKKEAEKAAKEAKLPEASAAAPKKAAPKK
>comp10092_c0_seq2; 233 1 435 LEN=583; translated
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>comp10093_c0_seq1; 183 2793 4795 LEN=4936; minus strand; translated
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GAPVGT PVGSRVLGGSVAAEGDPVGVAVGDPVGVATGSTVGAGVGPVGTG VGGSVCGSV
VGAPVGP SVGSFVCGVGDVAVGDGDGTGGSVAGXVADQKRRGFGLKVASPRNQRPV
VPPAVHGYHLVPPGAQAVPKATDVLYREFVVGIDRQVYEAALGAVGYRKLPAAGDLPCA
LARRDPPPYPVGLVEVDVDPQDFCPDIPLVAKGPSALLWGKVGELADLLRDPVARHADA
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VPAQLGADGCHPSLLERRGLATKAQHREGLALVGGVAVGVEPDPLVLEPPPELEDRKVVV
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EGVRVGGVGS THHAGPGDVDAVDDALRGLCSGLRRAPPAEREAPPVAPAFAGATGGGPV
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CLQRVMR
>comp10093_c0_seq2; 183 2886 4888 LEN=5029; minus strand; translated
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GAPVGT PVGSRVLGGSVAAEGDPVGVAVGDPVGVATGSTVGAGVGPVGTG VGGSVCGSV
VGAPVGP SVGSFVCGVGDVAVGDGDGTGGSVAGXVADQKRRGFGLKVASPRNQRPV
VPPAVHGYHLVPPGAQAVPKATDVLYREFVVGIDRQVYEAALGAVGYRKLPAAGDLPCA
LARRDPPPYPVGLVEVDVDPQDFCPDIPLVAKGPSALLWGKVGELADLLRDPVARHADA
GIDRRQPAVAVGPRRDDPHLGVGGQQGPPGVPGAGAHPLVGD RADGRGCVDGIACQPPL
VPAQLGADGCHPSLLERRGLATKAQHREGLALVGGVAVGVEPDPLVLEPPPELEDRKVVV
EALRIVQGVGPD LGHPRPGIGRIGPMRRADLGPILSRVAPRAQGDVVVDQRRAAAAPEEK
EGVRVGGVGS THHAGPGDVDAVDDALRGLCSGLRRAPPAEREAPPVAPAFAGATGGGPV
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CLQRVMR
>comp10094_c0_seq1; 195 229 738 LEN=788; translated
MPSFSSWNPLQAIYFKKRGVERIMEKNKSSGAVFSPQFAKETKVRIERQSMMTIRKQDR
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TDYCDIEERNRRIAAAKEHKRKKSEGAIEMIGLNVIFL CDAVNWGGCTS
>comp10095_c0_seq1; 271 56 667 LEN=817; translated
MAETSPTPVAAPT KKL TWDEFY EKSENANKLMDRVWYCIACSEKDVGNQTI FWEHWYWE
GEDKKDL SKTTVKACNHTLTIDAEGKELDYP IWP LKFTKKS MKMYP AIDLKCCVIAPVAL
SMQPVAFP TNSRVEFRVDYCE TMGKKMYFIFVLDPNISEEDKKKNFDRLEKENGVLREW
FHNVQWAKNYKVGSTGDPDINPK
>comp10096_c0_seq1; 355 207 1006 LEN=1650; translated
MPASAGRVRMPHNNRMCTSDALRTHGIWSKTIGGGNHDNGEEEDTPARKAETA EKVRNVM
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SSSEEEFVEEEEEEDQGE GDGDKKPSAKDRKRSKRRRDEQERRKKRKRKRKRHRRRS
GGSDSDESSSSSSSDSGESDSDSSXARPAEETKAAEARIVEAKQIREEPEGFLEEKEDQ
EQEARPGPRFVQRERERLRKQKPEAA
>comp10097_c0_seq1; 242 253 834 LEN=1137; translated
MKAFSLAVLSACIASIDAFSAITAGSKIPAVDMFYDFGDP SFVHNMAEYTADKKVAIVGL
PGA FRPPDPTDXVPGYLE SQDALKEAGIDEVIVYCVNDAAVMGAWAKDQGTEDSMIKMFS
DASGEFTKACGMEMTHPGPISVGIIGRCKRWAMIVDKNIIKAVAVAESELDPAGDDFPEK
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>comp10099_c0_seq1; 92 319 684 LEN=684; minus strand; translated

MIAANSFSLHELKGISSARRHNWNAFFVGFLLAALAAVACGIAVYAAGVVVVKLHDARDMS
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EK

>comp10101_c0_seq1; 194 1 545 LEN=1016; translated
XILSRLFAALEKTSRAPAAAVPSRGSVFLVGLVSLQRHLEDRAQRSSVARAVRGLAAHYTV
LVVVAVEENKGRSKGGGEGSLVAETQEAHETVVGLLRGNANGNGDGNDDGDETRTSKV
PESVLPADRILLASSVLGRVALVRQLSSNIGLTVDFDPEARTQLERFGYKVAVVDDWTAV
L

>comp10102_c0_seq1; 362 1 1795 LEN=1795; translated
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SSQDASKVSNGTAGPPSNIVHRLDDSTSLINLDSLQASELESDVSDFKITPKIEGNKTS
WLKIDSSSTSHGSQGSYAHQVPTLLGPYGSNNNENCKPNGKFLLRHSTDKSPKCPPLD
KSYSTHNSLDDILGPKGKAI PSNLSSYPAXVDDTAGIQIHDKLDDDDIIGVHGESTIGG
ASVSASATNSVEDGNAGSVVND SRLGYDDQKGVPRTRSTRTLDDMEAFHRRNTSNIRTA
EGDASTATCDVAPSESRKAVDNIGQALKDRDRMGNSSYAWSPTNSATQSSIFIEANVGEN
SAQFRATFETQSDFEVTEGVTRAGSTSQNSQKFAASTFESRETGFTGISQFTKTSQVYTL
ATSNEETTARWGDASTFANETLSPDNQSSMWESSRFSRSPRSYSQRTDCILSPGASDSGYSC
SMRGTMTTDYSALNTDYSESEFSPRIRLNQLSTAESTQFTENGGYTPTEHTNFTQFTYDX

>comp10103_c0_seq1; 143 128 1039 LEN=1305; translated
MVTGNLTPLEEGVSFTSSTVPETK GASSEPPISRVERRSRLSSMVAVNVTAEKNVNFVIP
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LIERDCEACCSGSGAERWLAGSGHDEVCEAGYEPIGVPGCD SYKWHVHVIEEVLFYTTV
GILSIFLVENLVEMAVLGVVRKYFQQVFLALDFFVVTISLTMELTLHLMHSQLGQMVAIIV
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GHH

>comp10104_c0_seq1; 380 203 1500 LEN=2225; translated
MALENRNQQQHSQVTPFPFRFFSSATGKNEGASEKKEESEETSKEKEANTTDEESLKDT
VRRMQREKGTGSDDDERVNDLLRQASQFSTASDEIGKTWGE LLRSGDRKDINKKIGRP
QDTAEGEEYTGVPV SIMVIDESENLTAWERMQRKLTAPVIQGTSLICHAVDEIGNDAIR
RKQKMDDFENNVPSKISIQVEVVSHVQTPFVYFTDILSRSEDIYEKSGVKKAKQKVDHLT
EDAREAWETSQNPWVYRVSSVYETMTAETPESIAVAELRKLDP EFTLDDWREDVAEHTLP
KIMEWLLLEGKINQLKPWLAEGVFKRIAAEITARKQEGVQIDTHVLGIMNSEILAVEPDEV
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DFRFNGAIAYL

>comp10104_c0_seq2; 416 203 1342 LEN=2067; translated
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QDTAEGEEYTGVPV SIMVIDESENLTAWERMQRKLTAPVIQDILSRSEDIYEKSGVKA
KQKVDHLTEDAREAWETSQNPWVYRVSSVYETMTAETPESIAVAELRKLDP EFTLDDWRE
DVAEHTLPKIMEWLLLEGKINQLKPWLAEGVFKRIAAEITARKQEGVQIDTHVLGIMNSEI
LAVEPDEV EKGSP IIVLHFMCQQINCVRKKDDGTIVEGSEDEIKANSYVAAFQREYNEKK
GELNWKIVDFRFNGAIAYL

>comp10105_c0_seq1; 547 199 2121 LEN=2144; translated
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KIDDGTDLNSSKSKPIFEDKRDGKRSQQGQNNNVKITHRVRRRSRHRKQQILSETTCT
DDETSIENYGFVCVMNSNTLQERSQQAWKSRQKNSIARTKHDNGPNTSVGAPNRIHFFE
TQDQY EYRSKDKEDMSLDRSLNSMYTKTLESEVEDMIKDILF IGSPDKNKPGRRKYRHKP
DVKRKAKKNGFPTITKDAGARSKARLGVLDETNIETGEDYPSASESTSDVAKTRRGSSN
VINSTKTTSESRPKHQRHINAGDDKSSLASTISRASSVDSNTVETFLSEKDTMDDPVNA
IIGLVEGGLSIMSSAIGYALENYTQEGDKESAIDKSKKTQGDYDIFESCGIAMGDQNMIT
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VGTQNKVNRPLGVERSPEL PKLALHAARSVHRLQGVAYDNSIPIDMYKEVKICPVTLKL
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>comp10105_c0_seq2; 579 199 2558 LEN=3425; translated
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DDETSIENYGFVCVMNSNTLQERSQQAWKSRQKNSIARTKHDNGPNTSVGAPNRIHFFE

TQDQYEYRSKDKEDMSLDRSLNSMYTKTLESEVEDMIKDILFIGSPDKNKPGRRKRYRHKP
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VINSTKTTSESRPKHQSRHINAGDDKSSLASTISRASSVDSNTVETFLSEKDTMDDPVNA
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VGTQNKVNRRLPLGVERSPELPLKALHAARSVHRLQGVAYDNSIPIDMYKEVKICPVTLKL
PLGSKCLFFIGFLPYFFIFFELPICLLFVFLFIQXIFLENDGGCFVTKVSPDGSAAALSRR
VELGDQLASINGISSIKMKVDDICDVVRYSPNPSEIKLIFLRYIGPLRPLAKNSKTENKA
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SRGNVN

>comp10105_c0_seq3; 495 199 1964 LEN=2236; translated
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KIDDGTDLNSKDKSIPFEDKRDGKRSQQGQNNVNI THRVRRRSRHRKQQILSETTCT
DDETSIENYGFGCVMSNTLQERSQQAWKSRQKNSIARTKHDNGPNTSVGAPNRIHFFE
TQDQYEYRSKDKEDMSLDRSLNSMYTKTLESEVEDMIKDILFIGSPDKNKPGRRKRYRHKP
DVKRKAKKNGFPTITKDAGARSKARLGVLDENIETGEDYPSASESTSDVAKTRRGSSN
VINSTKTTSESRPKHQSRHINAGDDKSSLASTISRASSVDSNTVETFLSEKDTMDDPVNA
IIGLVEGGLSIMSSAIGYALENYTQEGDKESAIKSKKTQGDYDIFESCGIAMGDQNMIT
DASGQRRIGMGTSKDLTGFPENANLTTAKNKLKLGSKHSEENPDTDTNAAEEHERSLI
VGTQNKVNRRLPLGVERSPELPLKALHAARSVHRLQGVAYDNSIXDRYV

>comp10105_c0_seq4; 616 199 2466 LEN=3333; translated
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KIDDGTDLNSKDKSIPFEDKRDGKRSQQGQNNVNI THRVRRRSRHRKQQILSETTCT
DDETSIENYGFGCVMSNTLQERSQQAWKSRQKNSIARTKHDNGPNTSVGAPNRIHFFE
TQDQYEYRSKDKEDMSLDRSLNSMYTKTLESEVEDMIKDILFIGSPDKNKPGRRKRYRHKP
DVKRKAKKNGFPTITKDAGARSKARLGVLDENIETGEDYPSASESTSDVAKTRRGSSN
VINSTKTTSESRPKHQSRHINAGDDKSSLASTISRASSVDSNTVETFLSEKDTMDDPVNA
IIGLVEGGLSIMSSAIGYALENYTQEGDKESAIKSKKTQGDYDIFESCGIAMGDQNMIT
DASGQRRIGMGTSKDLTGFPENANLTTAKNKLKLGSKHSEENPDTDTNAAEEHERSLI
VGTQNKVNRRLPLGVERSPELPLKALHAARSVHRLQGVAYDNSIPIDMYKEVKICPVTLKL
PLGIIFLENDGGCFVTKVSPDGSAAALSRRVELGDQLASINGISSIKMKVDDICDVVRYSP
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>comp10106_c0_seq1; 298 431 1187 LEN=1512; translated
MNDCFRILVPIITCWLNLNAEAVNPSPNFSPSAYSHRHEAGGTGNNHLQEEIDLGTTLVA
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LCRSGSAADTQWLAGLAKQRFQMRKLERPGYRPSISEVAHFRLYQMRQGGGESQFQASLI
CAGYDSVTNGGQIFGVTPGSSLWEEDNFCVSGSGSTILLGYLDDALQTAKQNFASEYTEE
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>comp10106_c0_seq2; 182 207 836 LEN=836; translated
MWQTTPEQPTIHPHVPSLLAFPDWTPGKDSNAANNKDKHEHEHDRPFLQVVLPGEGNRNMV
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KAKNHTDKRKRPESECIKSRNDPFSIRDVAXGGWNRNPSTDDRLLDPEALQRLRRLDDRT
PAGIPRRRAAARTPPDVGETSSDNNKNNNNX

>comp10106_c0_seq3; 182 365 994 LEN=994; translated
MWQTTPEQPTIHPHVPSLLAFPDWTPGKDSNAANNKDKHEHEHDRPFLQVVLPGEGNRNMV
VSNLIGSHCDYIDSNESNRNKKRNWPTRPLCIHYPILVRDTPESIGMEIPRGRTKTKTSS
KAKNHTDKRKRPESECIKSRNDPFSIRDVAXGGWNRNPSTDDRLLDPEALQRLRRLDDRT
PAGIPRRRAAARTPPDVGETSSDNNKNNNNX

>comp10108_c0_seq1; 432 314 829 LEN=963; translated
MRTDLTDLDDSTSEIFRPQASHDNEGSSSSSFSKLPGLVATGADDNVYNNSSALWKS
NHTVVEIADDEEEGSVDKDNKGGSEKQRYDEDEEENVSKPPGEKKSTNQKPEKASPNWFQ
KILGESAEQAKRIAEEKAMAKQNASNWGRDITDDDDDDDDSDGDGDDQN

>comp10108_c0_seq2; 1222 287 3517 LEN=3561; translated
MSIRPISSRFPLSKSVWEETGLPLCAVLTPLEDPGEDEESNEDGRSEKGRGAAADSCAQ
PIGAVPKCLYCGAPHVTATTHFRPSKLSRLLCYFCGETSSTMLTDQQEVRENETLDPDV
YDKIPFFNPRDVLNQKDEDEDDVPQVPTETFEFRVPVYVQKMTEVVTTRKGRRIVKEQK
ETMIPTWQLPAMACPPVWWIVVDGTVGGRNNTLAAARNYWSTVGATLTRTIEAIPPHVHV

GLVTATASRLANWDLASAVPHVKQFPYSYDPMLAIDDGEGEKSMSEEKTAWDLSLVPANG
HYKANLLAAIRAMVDGAGRGVFMGGDEDDDDDDDDGGHEEKKSEDEQPGNFGGQGLPLAL
TTEIILEFMEQAHHPGQQVEEDEDDEDDDDDDSTTQLRYAGGKILCLLGNPPLLETATPPSD
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>comp10111_c0_seq1; 636 406 2301 LEN=2652; translated
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>comp10113_c0_seq2; 1138 1 4317 LEN=4645; translated
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>comp10114_c0_seq1; 374 576 2134 LEN=2272; translated
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>comp10114_c0_seq2; 470 210 1745 LEN=1927; translated
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>comp10114_c0_seq3; 492 210 1940 LEN=2078; translated
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>comp10114_c0_seq4; 352 576 1939 LEN=2121; translated
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>comp10115_c0_seq1; 1242 398 4087 LEN=4560; translated
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>comp10121_c0_seq2; 849 114 2240 LEN=3034; translated
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LLSIPMMITEREDCAYKMLCEDFFSGSFDPLISTGNCEPFASIVLDEPKLPTSTGSSIN
NNYAEIASDSTGCIDSLSTAVIDCPSFSPMIVSFGGIKVDCSDKVPLELASIPPVVKV
RSGVIGDPDGFYSLLLVDTTTIANSYNASNTHPILHYGAVNIPGHSLEDGFSLFNTIGTE
ADVFSYRGPNP RPSPDPWAPPDVDRIPFVYEFMIQKQDKGQLVGADVQKRLETNTNFDY
ESFFGSGSNASGLEDLLISSTTFWWSGVCVVKVGNLKVKKDILMESFEDPKFEWTEVGRK
SGSKMEIVDGMVLTANGSSYEVYDDVKFDSNMTSIDDDEILVSDDKSSSISLMP SVIST
VSARGDFPDL SKCDGLKMVVKSETPMGDESMSNVYSIGLAFQQRHGEP SFAFTYGASLAW
PSSLTVSSERSIEKTKFSELIIPFKEFTLDWDWNTGKELSSCSENATNCLDQTTLQNMEN
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>comp10122_c0_seq1; 875 1 2631 LEN=2655; translated
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GEEHLTTNLFVGNLAPSIAEEDLSNLF SQFGAVFSDGAE TRHLF MIDCALCFIPRIGDVL
YXKLIWTC TNNIETLGELYSVKIMWPRTLEEKNRGRNTGFVCFMNRDDAE EAMEAYDDTD
PFNNGRLLTLRWGKSVKQLQRNDKDNERSAEPRRAQNRDEDKKMARPLMSVSTDAVAAK
MPSNDRSAPMSNNNDKLEAS MAGDAHSFGKHHTTG MKDMLPKIPPYDPDIHAARAIRVEC
PKEQSRFHFI STTASYVAKDPELEQRLREREKENTLFCFLADFDG DNNDEGQKEKIF YR
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ANRELM TGRQFERRKRRGEFGANHSKLNPEELGRFDRLVRKQLSISRKTICEAMSF CFDN
CMAAREVSGLLKEALLDES DHVTNDTRIARLYLLSDILFNSQQPGVRNAFMYRTTIEAMA
IDVFKSLGIIVRTKERSSGRISVNKL RKA VSAVLGAWTEWGVYNAAFVDDLASYFEGREV
KREAEDAKKDLEQDGAKLEE QKVEDLEDAVIHAPSGDWKTVSDEIESVKDKKRKR SKLA
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>comp10122_c0_seq2; 939 1 2498 LEN=2522; translated
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RDDAE EAMEAYDDTD PFNNGRLLTLRWGKSVKQLQRNDKDNERSAEPRRAQNRDEDKK
ARPLMSVSTDAVAAKMP SNDRSAPMSNNNDKLEAS MAGDAHSFGKHHTTG MKDMLPKIPP
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DNNDEGQKEKIF YRWRVYSYCHGDTYSIWRTEPFLMFYGGRYWI PPPLDKDAVKREKAN
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CMAAREVSGLLKEALLDES DHVTNDTRIARLYLLSDILFNSQQPGVRNAFMYRTTIEAMA
IDVFKSLGIIVRTKERSSGRISVNKL RKA VSAVLGAWTEWGVYNAAFVDDLASYFEGREV
KREAEDAKKDLEQDGAKLEE QKVEDLEDAVIHAPSGDWKTVSDEIESVKDKKRKR SKLA
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>comp10122_c0_seq3; 890 1 2613 LEN=2637; translated
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QKQRPV KLSVTS SSMKRHHKPSDTRKAKMDALI QELEAEKDQIPKSKRFVPEKKGSFVDP
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RDDAE EAMEAYDDTD PFNNGRLLTLRWGKSVKQLQRNDKDNERSAEPRRAQNRDEDKK
ARPLMSVSTDAVAAKMP SNDRSAPMSNNNDKLEAS MAGDAHSFGKHHTTG MKDMLPKIPP
YDPDIHAARAIRVECPKEQSRFHFI STTASYVAKDPELEQRLREREKENTLFCFLADFDG
DNNDEGQKEKIF YRWRVYSYCHGDTYSIWRTEPV RQISRRSLLVSNF ISSPSDFTGVLT
FYLCFYFMLYYSVSHVLWGEILDPTAIDKDAVKREKANA AAEKEYRQRQK EKRANRELM T

GRQFERRKRRGEFGANHSKLNPEELGRFDRLVVRKQLSISRKTICEAMSFCDNCMAAREV
SGLLKEALLDESDHVTNDTRIARLYLLSDILFNSQQPGVRNAFMYRTTIEAMAIDVFKSL
GIIVRTKERSSGRISVVKLRKAVSAVLGAWTEWGVYNAAFVDDLASYFEGREVKREAEDA
KKDLEQDGAKLEEQKVEDLEDAVIHAPSGDWKTVSDEIESVKDKKRKRKSLAITLAATT
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>comp10122_c0_seq4; 826 1 2746 LEN=2770; translated
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QKQRPVPLSVTSSMKRHHKPSDTRKAKMDALIQELEAEKDQIPKSKRFVPEKKGSFVDP
GEEHLTTNLFVGNLAPSAEEDLSNLFSGFVAVSDGAETRHLFMIDCALCFIPRIGDVL
YXKLIWCTNNIETLGELYSVKIMWPRTLEEKNRGRNTGFVCFMNRDDAEEMEAYDDTD
PFNNGRLLTLRWGKSVKQLQRNDKDNERSAEPRRAQNRDEDKMMARPLMSVSTDAVAAK
MPSNDRSAPMSNNNDKLEASMAAGDAHSFGKHHTTGMDMLPKIPPYDPDIHAARAIIVEC
PKEQSRFHFI STTASYVAKDPELEQRLREREKENTLFCFLADFDGGDNNDEGQKEKIFR
WRVYSYCHGDTYSIWRTEPVRQISRRSLLVSNFISSPSDFTGVLTFYLCFYFMYLYSVSH
VLWGEILDPTAIDKDAVKREKANAAEKEYRQRQKEKCRANRELMTGRQFERRKRRGEFGA
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TNDTRIARLYLLSDILFNSQQPGVRNAFMYRTTIEAMAIDVFKSLGIIVRTKERSSGRIS
VVKLRKAVSAVLGAWTEWGVYNAAFVDDLASYFEGREVKREAEDAKKDLEQDGAKLEEQK
VEDLEDAVIHAPSGDWKTVSDEIESVKDKKRKRKSLAITLAATTLAQTDARTAENQ
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DGDLDGEEFDGDGIS

>comp10123_c0_seq1; 901 753 3548 LEN=4109; translated
METPFLSALPPRLPSPENDLAGMLGSWIDNCPSSLGLSSSHCRGDLDAIGALRMGIATR
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SGVVTMGPFKIQTSTSLERANI IWNLAALAEARQASTQTLTKLWAKASESLQNAARW
LVHALALLQEHAKSQOQYQNPQHADMSPFTIRFWQALLLAQAQHC IYESVTGAHIRRPGH
VLASKLAVATAALYNDVELIFEKDTQLPAPVLLPWSDLAQRWAYFARAWCVQMRCKAEYH
KSQEDRNKMSYGHELARLQVAHQHASICQALCDEPSISSSTTLAKLSVVVDDTMELLQNR
IDMIRRENHEQHSQAIPGTHELVEIRGRNVVNAEPLSNLLRQKVTRPIFQENVNIPFDS
GSVPSIDDDNVKMSATKSKNLSPTSSASITSPFAEMKKPFVQIVAPRVQTYVEVFQSS
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VVKLKLDLWVLKEEAESARKTYENIKSQDLDFHEETDRKFFREENSEFEGPDPKDIQRIFR
RLETFGTYLSTAQEGESTLFRLEQLDIEPKYKLLQFSKSQLDHLPAARENTVSSMIFD
TRKLSALWTELSALFQERDRLTMFRNEFESYDVAALAEARVDSKSGTDQDYLEATKSAQ
QPFDFGLRYKLQNNFKRQOGLLNSILSLNEAFMNARERTTNSQSADLCIVMIEDAIEEINQ
LSTHLKEGKNFYSVVPIPNMDKLRKREVGDSLTKLAVDRFDYEDKVRASQEEKDALMAK
SSQTAAIQVPTAATSSAACRSPSNASTSELQPANQOSVAASASSARAMRNVDDGKVAKL
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>comp10123_c0_seq2; 901 853 3648 LEN=4209; translated
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SGVVTMGPFKIQTSTSLERANI IWNLAALAEARQASTQTLTKLWAKASESLQNAARW
LVHALALLQEHAKSQOQYQNPQHADMSPFTIRFWQALLLAQAQHC IYESVTGAHIRRPGH
VLASKLAVATAALYNDVELIFEKDTQLPAPVLLPWSDLAQRWAYFARAWCVQMRCKAEYH
KSQEDRNKMSYGHELARLQVAHQHASICQALCDEPSISSSTTLAKLSVVVDDTMELLQNR
IDMIRRENHEQHSQAIPGTHELVEIRGRNVVNAEPLSNLLRQKVTRPIFQENVNIPFDS
GSVPSIDDDNVKMSATKSKNLSPTSSASITSPFAEMKKPFVQIVAPRVQTYVEVFQSS
MNEIISQIAKESEKTELARQALNEKNLPHSLTAYQQEISGGGLPNDLWQRVYVIQKEDR
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RLETFGTYLSTAQEGESTLFRLEQLDIEPKYKLLQFSKSQLDHLPAARENTVSSMIFD
TRKLSALWTELSALFQERDRLTMFRNEFESYDVAALAEARVDSKSGTDQDYLEATKSAQ
QPFDFGLRYKLQNNFKRQOGLLNSILSLNEAFMNARERTTNSQSADLCIVMIEDAIEEINQ
LSTHLKEGKNFYSVVPIPNMDKLRKREVGDSLTKLAVDRFDYEDKVRASQEEKDALMAK
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>comp10124_c0_seq1; 497 456 2051 LEN=2284; translated
MVPDGDIDPYHILDNIRGIVANNGNNDGTEKFLNLTLERLNVTANNLTLPIALMGIDSSRY
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VSSSPLASTSYNTLGDGFVKSKFQNLPIAYEDDYMAIIVKPAGLLIHPQGKNGSWGRKNN
VLNALPYFLRRPSAIGSTKANNEEEEEEDRTILDKVPVHRLDFATSGLLVTAKTGASRL
LSQEFYRKAQKTYTAMVYGI PVDNGYCDNNDSPLELPSFFGPKDQDASAI GNNTTGAIK
DSIVDNGNTLDDDEGSMEDDDCNWEGWNLGNCLLDAKLATTRWRLGSHNCSVPIQYHHDN
ETVTTGTASIPISIVEMKPKTGRYHQLRRTMSWLYKTPIVGDP IYGTNFVEKNFLPQNAQ
LIEQKQMRDYSASLMLCSNEVDVAHPYFNNTAAGRIEWETMDRTNKFRETNSGNKKTCKPP
TSSSMTSSSLYEATDGVVVAAS TELPKKFTKFINMMERKKKQAAAKGNEE
>comp10125_c0_seq4; 324 95 757 LEN=786; translated
MTATKITANNVLLFVFNIIIGYSRVASTMAALFLMIAAPEYWF LAINLYLASFVGD LFDGM
VARHFGQTSSFGGLDMVTDRCSTLGLL FVLGIDYEDVNLRLVFLSLCLLDISSHWCQMY
STSSSGKHHKSEGGNEGRNFLVRWFYKYFFFGYLCVGA EFTYVLAYV VQFTNDHWIHP I
LLKAMWAVVPGFCFLKQLVNVMQ L TSACYAVAKQDAENK NK
>comp10126_c0_seq1; 415 361 2202 LEN=3394; translated
MIAKSLSILVFVFLSESMGFV VADVVS I AMENPIAHQQRCTSR TFSRTEGGAMIVAPLFD
DKNATDDDET DGVGDWDALY PFCPDGYYCDLSEETDKDGAS FVLG LCRPCSGSFDACEPD
PALTEGTGSEASTEYFMGQAVAAECKAQC GTETNTCSFTKPCS NGLFCNFENGI EGGRC E
GCPVHMYFCENENREN LGQNLK NLTDDGVFACQSSCSVNCNPEGALRITEQAPETS DREE
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GGVAAVIYNVEAKCDNIDGTFNGRET F IPTVTLRHIDGKSILKQVAAMPEGTHLLATVEV
GGIDRSPGDCWLGCTEGNECEGTDLECNFN DNI EYGDCRAT EFRVDCNQMF TDGLTGHLPC
TSET EFCDFSKGRRGFCAQCPETDADCF FLDLNGQGATECVAKCFTSPVEQTE LRSAPCK
FCPRGQFEIGDVG DGYFSTEK DVEVETPCQFCAAKSEATCADVENWDMEY P YRTIEMFPD
VYVECWA VAEFYRRMNI EADTPECASGRSWNYICGCSDSLGYAGAKTKKKQLM LEWFPRV
GAILSILVRAPIL
>comp10126_c0_seq2; 415 266 2107 LEN=3299; translated
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PALTEGTGSEASTEYFMGQAVAAECKAQC GTETNTCSFTKPCS NGLFCNFENGI EGGRC E
GCPVHMYFCENENREN LGQNLK NLTDDGVFACQSSCSVNCNPEGALRITEQAPETS DREE
DTKAIDDVVILFGSPQMTATGP IVNCGLGLEPCEGAAGAVCF IER GKAPFSNKT INCYEG
GGVAAVIYNVEAKCDNIDGTFNGRET F IPTVTLRHIDGKSILKQVAAMPEGTHLLATVEV
GGIDRSPGDCWLGCTEGNECEGTDLECNFN DNI EYGDCRAT EFRVDCNQMF TDGLTGHLPC
TSET EFCDFSKGRRGFCAQCPETDADCF FLDLNGQGATECVAKCFTSPVEQTE LRSAPCK
FCPRGQFEIGDVG DGYFSTEK DVEVETPCQFCAAKSEATCADVENWDMEY P YRTIEMFPD
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>comp10126_c0_seq3; 626 266 2800 LEN=3181; translated
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PALTEGTGSEASTEYFMGQAVAAECKAQC GTETNTCSFTKPCS NGLFCNFENGI EGGRC E
GCPVHMYFCENENREN LGQNLK NLTDDGVFACQSSCSVNCNPEGALRITEQAPETS DREE
DTKAIDDVVILFGSPQMTATGP IVNCGLGLEPCEGAAGAVCF IER GKAPFSNKT INCYEG
GGVAAVIYNVEAKCDNIDGTFNGRET F IPTVTLRHIDGKSILKQVAAMPEGTHLLATVEV
GGIDRSPGDCWLGCTEGNECEGTDLECNFN DNI EYGDCRAT EFRVDCNQMF TDGLTGHLPC
TSET EFCDFSKGRRGFCAQCPETDADCF FLDLNGQGATECVAKCFTSPVEQTE LRSAPCK
FCPRGQFEIGDVG DGYFSTEK DVEVETPCQFCAAKSEATCADVENWDMEY P YRTIEMFPD
VYVECWA VAEFYRRMNI EADTPECASGRSWNYICGCSDSLGYAGAKTKKKQLM LEWFPRV
GAILSILGSSFMIIGVLRDKQKRKR VIGELIIFLCCFDIIGS IAYAF T T LPTPKEDYILH
SQNEASCI AQFFIQLGTISLYMNVSI AFYLLIIQYSWRENRLRQSWAYSMLFVVPIL
VGAIFAFAGIPYDNTVLWCNNSRSY WSEIPVMVAIAIATVIMINLCWFVYKSERASRRF
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LQGFW
>comp10126_c0_seq4; 626 361 2895 LEN=3276; translated
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PALTEGTGSEASTEYFMGQAVAAECKAQC GTETNTCSFTKPCS NGLFCNFENGI EGGRC E
GCPVHMYFCENENREN LGQNLK NLTDDGVFACQSSCSVNCNPEGALRITEQAPETS DREE
DTKAIDDVVILFGSPQMTATGP IVNCGLGLEPCEGAAGAVCF IER GKAPFSNKT INCYEG
GGVAAVIYNVEAKCDNIDGTFNGRET F IPTVTLRHIDGKSILKQVAAMPEGTHLLATVEV
GGIDRSPGDCWLGCTEGNECEGTDLECNFN DNI EYGDCRAT EFRVDCNQMF TDGLTGHLPC

TSETFCDFSKGRRGFCAQCPETDADCFLLDLNGQGATECVAKCFTSPVEQTELRSA
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VYVECWAVAEFYRRMNI EADTP ECASGRSWNYICGCSDSLGYAGAKTKKKQLMLEW
FPRV GAILSILGSSFMIIGVLRDKQKRKRVIGELIIFLCCFDIIGSIAYFTTLPTPK
EDYILH SQGNEASCIAQGGFIQLGTISLYMNVSI AFYLLIIQYSWRENRLRQSWAY
SMLFVVPIL VGAI FAFAGIPYYDNTVLWCNNSRSYWSEIPVMVAIAIATVIMINL
CWFVYKSERASRRF RRHSENERESLSRAFFFQSMVYLGAFYLTWPAYLSLQLMIGYK
AFSSYGF LFACTALT LQGFW

>comp10127_c0_seq1; 287 1 1197 LEN=1965; translated
HTESILSQQERKMDVTVRQETHTSPPRQSILKTNSTPTSDRTLTPWKSFILLLLAME
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SKAH EQSLGFFKNIPSSSEWKLLEKVSAMSPNFDDNMFKTSLSRRKNKIYGYFWQHHY
EPDFVC QHERRVKGKRGDGGKWI CDPHRIAQKVEAGGRCLISVGSFNKYKFEQGVQK
DVHEKCEIH TFDPGDYESGAKKAGGDITYHRVGVSTDKVGPKGIYKSLPTLVSELGH
QNSEIDVFKIDC EGCEFESASNWF EASAKYNVTLRQILVELHGRKEARVFSFFDLMYK
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>comp10129_c0_seq1; 676 250 3183 LEN=3341; translated
MLIVRTRSSRLFLVVLHLVVCVSTHLRARNERNRISLNSIFWEEAAASIHSQSQR
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VIPKSKRHVR RRQWIKWAIEDDDVDQESFQGYALQVFRDISEFYDPSKTNLSGGTAR
PFPSPSYSDKEF ATEQCMTRRRKDNKLVVPCSEDRAWYWKLN EYGILHFDKPSR
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KEVQKATEQTGETPSSPNGLNLP SQVDIA HSHASVSSNHSEPR LSTLHITSILPH
QTPEKVSKELEPRFLGNTNPIL IATGRNFTAATSK GSFLKSKERKKPNLGLGVN
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TDL CQYLGHDRKDVGRHTLTGVGQYTKTMLNIKVYGVGFYVSKRDILADS
SVEPYADMSLEGLRQSEDFFHILRSMKGFTNGSGAAGSFDR TIFLKNMQLSTDT
MRSSL DADWKMLTPESKELLIGSSMKPRPADPIFLEIAKSPDNPNRCTCAQIAPPE
YNADPSCCA RGT ELVFTWRKNGDLEVR LNVFMDSFPRPDIAEGIFFEYLR L
DNPM SYDFLDRVMDGFP SLLAPLSQVKGITTPVTAKQTSTSNPAASGVNPF
LKLIGGFGGAI SNQAATFAD FVQSGT QELAGSAMDKARSVGSTARNLGE
EVERRNLIGKHMSAF TDQALSSLVPSNQKSLSTQYP GWITDSELGNLSHDL
FEQDTSITSEDGTSYTRTISR LIGFEDDSMSASNATQKLF FGLVH LYLL
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LHAGL MTTGEENHIKNGLSFVL

>comp10129_c0_seq2; 307 250 1929 LEN=1929; translated
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VIPKSKRHVR RRQWIKWAIEDDDVDQESFQGYALQVFRDISEFYDPSKTNLSGGTAR
PFPSPSYSDKEF ATEQCMTRRRKDNKLVVPCSEDRAWYWKLN EYGILHFDKPSR
GFGVGGSRRTSSASRRL LNKRQNL ELCVWRKNLSDTILLSCNGDQPASVNHDST
SSVDSNEKARLAHVQLVHHDYSR DGNIAQSSPFALDKKTFKSKIEIRVQNKGN
KEVQKATEQTGETPSSPNGLNLP SQVDIA HSHASVSSNHSEPR LSTLHITSILPH
QTPEKVSKELEPRFLGNTNPIL IATGRNFTAATSK GSFLKSKERKKPNLGLGVN
KNAPQSI VHTRDSIPSSLSEKPIVRKIQTNPYIAASDNERW TDPQTGLVFR
TDL CQYLGHDRKDVGRHTLTGVGQYTKTMLNIKVSADRQHRVGIYLILPS
TYLTRNLNKL LFFFSKQLW

>comp10130_c0_seq1; 210 226 738 LEN=1051; translated
MIQRNDLATAKLVKTVEDGGFEPTRKPVTLCLGSSSMIAKNATKRQSALKR
SRSSLPGSF DMGDFLKASVQVEETIAFP AVEWPSLDDIDGDCSCDDNSYSTTQY
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GSAGLS

>comp10131_c0_seq1; 168 1 643 LEN=1207; translated
DDDDDDNIYKVFDPDADAHVLMVAAINADVDLVLPAFSVCAIRTVSSIQGAR
VASAVNEI QSTQPVSTTVVYCCELSLFPGPNKGFSSLLCFSNLNVGFGDCDQ
TNAIDWSCYGEDCFV DAAHSSDENVTSPSFCHCKYGYFGEHCQHFMTTICLI
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FMLRV

>comp10131_c0_seq2; 199 1 696 LEN=1001; translated
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>comp10131_c0_seq3; 211 1 546 LEN=1110; translated

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V

>comp10131_c0_seq4; 156 1 793 LEN=1098; translated
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QSTQPVSTTVVYCCLESLLFGNPKGFSSLLCFSNLNVGFGDCDQTNADWSCYGEDCFV
DAAHSSDENVTSPFCHCKYGYFGEHCQHFMTTICLIDVGTDYNAIHEFCLRSGEFCPLP
IGHMFPEPFGNLF CANGGT CGDTDNFDLFLMLRVTSGLFRCECQENFWGVHCEIPITEMPS
SVPTIEPSVSPTPKSSAQLPWTNW

>comp10131_c1_seq1; 441 549 1646 LEN=1646; translated
MPSLIFRKDVDRRQSSHLLLNRRLIYRSSFKKNAVLSPFWSNLCLFLLFGNRFTSAFAQ
VGAGTLDPKIDDCSLCSPGGKCVDPKVSIFDVPDQYRRDKTSFHCDCEGYSGAFCDQE
AGMNDDFHYDYSEGSTRDEANNDTDNDNGIDDLILLATEGCPFGCQNEGKCTSVFGGVM
HICLCPEPFWGSQCEFNLSLDEPCDLNCTISISNESFFSDGGFCVDSQPDLDDGDHTCVHC
EEI AVENEPVCENEINCVNGGACMVKYLYTDASESDETMVHRPLKCTASTNMDGNYIWEE
LPPYELYCECPIGYQGEKCEEIDVCGGCQNGGYCISENTPGDFNITAI FSDLFKDDDDDD
DDDDDD

>comp10132_c0_seq1; 482 196 1350 LEN=1689; translated
MSEIKKEKGEKPTNIESTASPGDAELGKARPPMDRKASVKHAYLTKLFGSDYNLQEVY
YVLAACVIALNQGFVNGVCMGSLLVTVPPDGRNPERQMIAGFAGAYTNLAHAMLAGDGH
KYTYNLCMIASYMGGSFIAAMINPHAKPYVIEPRYGPTFIIGGCFLLAASLLAGFEAPSR
FVFFLATASGGVANGIASIYSANLIRCTLTGATTDVAIVLAQMIHRNNGVAKGVSLSLI
IFFFWVGGIISFWAVRALTENTLFINAALFFSIGLILIVYLKELGVSVDYDAIFGTWKWK
NVLQKLHTEDEGELTPDKMMAIFDRIDQGGDNGEIDGDELRLDGLRLAKVKMTDYEIKTLF
RAADDDGDGVDRQEWADLIKKIL

>comp10133_c0_seq1; 462 328 1296 LEN=2112; translated
MKLTLSTAFFLASLGSARAFAPPKPATTTTVALESSRYDYDDVGIRSSSGARELRRTSAP
LARAPMQYPESGAMVRSRRGGPSRGYRDMQTENIQGGALKTWSFPDPNVDSVQVFMKTE
GTPLTANVELWHGPDSTPHKMAVYLEDGDFRPFSAVIATPRFNANSVSI RNTQTLEYP
AAVEPDYESLDEITRNIGEDVPKIMQGGAIHTVFPFPPSVASVAVLLRTDGRPLNARIELL
QGPNNKQVVEVYTEDGIEHPFFAVIETPGIGNVIRIVNTGTVEFPITAVVEPYTVERGG
MYRDARRGRVGRYGDYDGDYSY

>comp10133_c0_seq4; 462 328 1296 LEN=2097; translated
MKLTLSTAFFLASLGSARAFAPPKPATTTTVALESSRYDYDDVGIRSSSGARELRRTSAP
LARAPMQYPESGAMVRSRRGGPSRGYRDMQTENIQGGALKTWSFPDPNVDSVQVFMKTE
GTPLTANVELWHGPDSTPHKMAVYLEDGDFRPFSAVIATPRFNANSVSI RNTQTLEYP
AAVEPDYESLDEITRNIGEDVPKIMQGGAIHTVFPFPPSVASVAVLLRTDGRPLNARIELL
QGPNNKQVVEVYTEDGIEHPFFAVIETPGIGNVIRIVNTGTVEFPITAVVEPYTVERGG
MYRDARRGRVGRYGDYDGDYSY

>comp10134_c0_seq1; 592 218 1976 LEN=2054; translated
MGDWLTIDNDGNGASNGNGFELSNASLPVPHPDHSQYNMDGLDSNPNQSLGPPKGGCFGT
RRSKIYLAVALVLTGGAVGAYLTVAPQSSSVEEAESSSTSTSTSNVAGSAGVGHFAG
REKLDKDSVGANHIPSPTPE SMQYASVPTASPGPTASNFREIAGVIDEVARDDGKFEKDP
NSYQSRKQWVLTQNLVDDSSMTMEQQAIQLYALACIYYATFSVRSEWTDVHYGLDLA
LPGWYSSGGWLGSAKDVCTNWHGLTCDDQGRIFKIQLDTNGLTGAFPPEVALLHETLNTI
DLYNMMVHNVDGEGNSFFGELTNLEYLYIGTTNFEYKGIPTALGKLTALKELDVSYNLYF
GELNGATFENLSNLRYLAMDGNAYNSSLPIEITQLSNLEYLYAGFSFLQDNLEFVSSLPK
IRELWVDDNPGLTGTIPPSIADAGSLASF SASNCELTGSIPTMGSMANMVQLWLNDNNL
TGQIPSEFGNIVTLQILNLQGNELVGDVDPVFAAGDDPSGVSKNWELIATGQSLATKIAA
HAAVTSVRVADQRKAAPDGMLTGQNGTALFYNFLMLYGLLINDQNW

>comp10135_c0_seq1; 1097 1 3591 LEN=4720; translated
XNGNGTGSVPSMLSSKTHPEQEAQRETSGLVSLLDPPDATDYAPADCFTPGVSI LPKSN
VNAIANANRSNSNSNADERRKNRSKNNRTNGNWRVAEMTSRTAGRDTDRASTSRSSNTNT
NTNQVLNKP SKSGATRKQETAEQKQOREQQERVVAANTMAARELPPPPQQRPNDAANA
NANANANADANSVDVADANANANADTSYHNNYSHLLSAYEFEHDPSIPPLPPPVVELV
QSPTDERY CSTTGNNSPNTSYESDIELGRNEDDQGVQKTKTPRGTDPSADPSTSKKKK
TLLSVFSPTYFRPNDDNDADADADK DENKEGNTPETDTNLSPSNTFEEGSIARGRKLFS
PEEPGATRSNNNAHRSSDRSFDL YDDESGHKTGESASHRDGDSKAVSKQNQRKRKGN
PRCLWIWIVFSVLVIGAATGVIAYSMIKKSRAMNAEAELEASSANDVAIDGIANVANVA

IDGGDQSESESESESENTNLGANTPDDPQSQEVLVVLPPVPPPTLRPVTLKDPTGAPSEY
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ETEQAQQLPQEPFSDFAQNIASGGMNDPAHKALLYMAREAEATHGLSLSLANANANANS
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SPGLAVALPAKRIVVSGGEAGENAGDLEGGEVQPTVGSATAAAVANANSNANVAGGSDTS
SAIGMVTAPTDDGAPTQANPLPSSLADPDDPMFLVDECYWEGVVCEAENETENSNTATT
TPRIPAVVSLKWGYLTLSTISPAVGLLSGLTSLDLSHNELVGSIPESLFDLTLRELYL
YHNNLTGTLSTRIGDLDALERLHLSHNALSGSLPTELKSDAGSVGGIRPLREYRTAHALT
HSVRASRTVNQVLYWPSRTPTAIFSSPFTRLSPCNVPRRFLLSLSRIFQCLFEQIYGH
SLRPSMASVHPLRRRNQLTGTLPEDIGEKFVDLRHLYLHDNAFIGTLPSSYNTVGN
GRLKALAIHDNRLTGEVPGARDHYDNLVQYTLHENLFRSLDQRNCQNHLLEVEFKAD
CNA NVCTCFGGFEFCERWCGYESGGRGPNNPARNPTFDSNPNLNWQQQQRPPWQRPPQ
DWSF

>comp10135_c0_seq2; 1120 1 3422 LEN=4551; translated
XNGNGTGSVPSMLSSKTHPEQEAQRETSGSLVSLDDPPDATDYAPADCFTPGVSILPKSN
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NTNQVLNPKPSKSGATRKQETAEQKQREQQERVVAANTMAARELPPPPQQRPNGDAANA
NANANANADANSVDADANANANANADTSYHNNYSHELLSAYEFEHDP SIPP LPPPVVELV
QSP TDERYCS TTGNQSPNTSYESDIELGRNEDDQGVQKTKTPRGTDPSADPSTSKKKK
TLLSVFSPTYFRPNDDNDADADADK DENKEGNTPETDTNLSPSNTFEEGSIARGRKLFS
PEEPGATRSNNNAHRSSDRSFDLLYDDESGHKTGESASHRDGDSKAVSKQNQRKRKGN
PRCLWIWIVFVSVLVI GAATGVIAYSMIKKSRAMNAEAELEASSANDVAIDGIANVANVA
IDGGDQSESESESESENTNLGANTPDDPQSQEVLVVLPPVPPPTLRPVTLKDPTGAPSEY
PTVAPTFPRPTMFPTSTPTVSPPTISPTVAKSATDQLTERLEGLLQSGNYANGGGVGD
ETEQAQQLPQEPFSDFAQNIASGGMNDPAHKALLYMAREAEATHGLSLSLANANANANS
NSKDSFVPIIDLASYDNPKLMQRFALLAVRFGATLSSGNAVAEAQTQTQVPTEFATAWIAN
SPGLAVALPAKRIVVSGGEAGENAGDLEGGEVQPTVGSATAAAVANANSNANVAGGSDTS
SAIGMVTAPTDDGAPTQANPLPSSLADPDDPMFLVDECYWEGVVCEAENETENSNTATT
TPRIPAVVSLKWGYLTLSTISPAVGLLSGLTSLDLSHNELVGSIPESLFDLTLRELYL
YHNNLTGTLSTRIGDLDALERLHLSHNALSGSLPTELKSDAGSVGGIRPLRYFNVS NK
FTGTIPSDLRWRQCIHFVGRNQLTGTLPEDIGEKFVDLRHLYLHDNAFIGTLPSSYNTV
GNR LKALAIHDNRLTGEVPGARDHYDNLVQYTLHENLFRSLDQRNCQNHLLEVEFKAD
CNA NVCTCFGGFEFCERWCGYESGGRGPNNPARNPTFDSNPNLNWQQQQRPPWQRPPQ
DWSF

>comp10136_c0_seq1; 683 71 1324 LEN=2636; translated
MKI IKKNISAKDGSIMLRPEIPEDLWHSYNLLRAGDLVRCCTTVRKVVKESSTGTTSS
KKRLMLTIRLKTIDFPDALQVRLSGVVENQNELVRMGAHHTLTLELHQNF TLEKDCWDK
IYLDVVEDACNPDRRAELAAVVMHSGLAHVCLVTGALTVTKAR IETNIPKKRTGSSNNAK
AIARFFEAVYQAILRHVDFATVKAVLLGSPGYVKDDFMAYLKEECFKRDRPFMEAVNKG
KFVLRASSGHKHALEEVFSDPTVCKRIESTKAMEEVAVLQKFMRTMDVDPDRAYYGFHH
VRSAADQLAIDKLLVTDQLFRASSPPVRKMYVGLVEDVEANGGTVYVFS SLHVSGQQ LQQ
VSGVAAILRYPPLDLELELQAE EYELNGGEADPGSDDESENASDERIRQDMELLNF

>comp10137_c0_seq1; 411 159 1631 LEN=1821; translated
MKT LGRHLSRKGAE STYVEVLFLLFCV LVATT PHAVRSFQLLNEVSSSPRAFRRN NVGGE
ASKKTQWTIASSVMKRPRKTSQTLLSAHFSLTTALESLWEKRIVENLWKKEMKGSRDEEA
DEYRRLSWLDLED SVSNKQKADAANETHQGN DPTVATLPLYP IHDVYLPSTVNHTLYNVE
PQNIQMALNLLSKNETAATSPPARFCVVL RARDTGRIASIANILRIVEAEVQRIPGPSET
EKEEQGENGGDDDISNLRIRLTCQSDGLAEIQSIENSGWKEKRVLSKEYLRASVRQ
LPEEDQSDSGSWNDSYNAIRKDLQTIKI IYQLQLGGEEFPD TLLRLGNAMRDFPELGQ
YDGDPNREALLWEMAQEWQSVCM TLRQGT EAWLSADRNEKLVAARAKGGGILKLP IHL
SELDPEDRKDIQRLDEEAQEKHKEFGMDPVLD FQVLI GLPTTNQRFRFLAQLVNRERRRLE
DIASSYSSWS

>comp10138_c0_seq1; 1149 346 3351 LEN=3587; translated
MTPQQTNSASSNAIDVMKHMVEKESNESQEQLSSPPPASEELKTFDSETTGTVRNVT SKS
LAYSSASRNHIRLKMSTGLPVGLRS AKMPSLLQRLPCFSSGGPKSPSASSGSFASAI
TDSALS VIEKVDDESKDTEKSEDEDISKQLPIATEQSDISTDSKSQEESLLSLNEEDK
ASIGGMKEDAKNVSPNASQTDVETS KTLVAPPAPQAQLDLD SIDLDDIQIGDLQGLDAAD
ADFLRAKCLNKL SRKEREHV LQDIHG VADLMEESSRLFVEESLEEF EIEVIREVAWRKKN
NASDKSIKQKSNKEDVAESQQEENQEQQIPELEEKLGK LQSR LDQLVRCRKNLNHSMNTD
TDSFPKKQLSAKNHPMFGKMG EIGRGMNLPFGSSSSLKNKDMRENIVK PMLNLS SGLSSP
FFSPTTDAAFSPAANESQEDAADLISK DATAYEQALAQCRRRSRNSSLFSPSISDGN DIF
DDDRYIDVDQRGFRLSFLRAERYNTKKA AKRLLDHFEEKRRLFGVGYLTSKIQLKDLDRQ

TKDCLESGQIQLLPERDRAGRAVIVITSKLAINSEDRQYENSVLRAFWILASIALEDKET
ETKGSVLVNYNIGGSNSDHLGNGVRRRVRQWKNTLNALPLRVASFHWCVENLASKQAT
YLSALMLGGSNFVVRVCHAGSDNDVQHDLMTFGIPIDLFVSMASEVNLSHHSRFLSKRK
KSEASVFLNKALALIEAPLLDDSI TMDMKGDEQFLEPAIDPSPGVATGGDTFATAQLLTS
GNLSSYSNINIQEQEQEQLEKLRNADNFRNTIHNRNAQSALDDSLYFLGNGNSIQGQH
SSQHQQFQHNQLGMSMGGMVPPQFHQQQQQQLKQPLPNIAKSKSGIAFSTEPVLPVGPGLDI
LLGRGRGAQNHKGNIIHYRNVVETFRARYEQIPQKGAKTQLIREVVAVIYDNGGRFLKQDR
FNRWIPVDPEVARDKVSHSFRNQKRLSIGGSNSGKRSRDKD

>comp10140_c0_seq1; 192 1 883 LEN=998; translated
XSNTTGNKSNRGPDSMEQARTRLARSALERVPRHGWTKEAIAVAASEDPKLSLSMSGM
LSPSDLVGVWFLDDLNRERKREEGDSSSSGEGEPFDSIRWRLEKVLFPVVEGRWHTG
MAVGLSTPLETRSLHEFIELATPPRHAGNTAYQAALGAIFLATELHLLSDASPGKSTW
SFLGDRLEDELERGLPEGKSPGLSDLPGVLASLAASAPAPPSPEALANATNSIPVAVGLAV
ARSLVEGAASLVLPQAAAPRKSPVRSPPGKEADNAAAPAGTRET DYLEGPSR

>comp10141_c0_seq1; 698 228 2319 LEN=2843; translated
MSKHLATFLLLAVTAIETIAFVIPTVHSSGVKNNGILPSPSKPSTYLTLSSSPNNNSGK
DGFLKARTDIRYFLTQRSLQSFVFLNQCREEHSVRWLEKTLDFTSIDNFHGTGAFNQTK
FPEWDSVFLDCVDRPEEIMVIQMRSSRRQNRLSGYNAYFESLKQPQTGTDQKPVGSDSDS
EKSSATEGVEGKTKGKSKGFSVGNLYDSMTAPMSTPPSQEAKKSWRPSKKT SRRLSDASSY
LEALSSSPALSSKDDTTECFRKDSEKKSADGPGKSTSYLEKLSSAAKSPTSP ISSDDE
KNEKTEQSTETSKNPYLEEVRDSSKCVCASLASNRYPGXVCDNTERHPLFLSNLILDVNV
RVPGLPINTLVFKWNQTI TEYELCVDPPAMVRRILSVREQISKEWAEDLDQLARLNDEIV
EYLEEHNRAVAKEDDEEEDDEDEPEETNEGQAEKDQENIGNDEDSSDMDQLLKTLLASAN
KETVPDVTSAQSKSDVNEKIDKDEAECKTAFGRNILTAWTQHLWSPNRSSSPFRKANFDL
LLLLLATQESIHRVLKSYKEDEDVRPETHEWLLLEYKDNVNDYFDGHQSYFRSEDFLEEMI
KLPRTL IETNNEFIAWVDP AIVVEDIVRERSEVTLDWMRIAETISEEHTDLRRMLFSNMV
SKPDPDETLADVIIVTAVDISNITASESSSEVFGAFE

>comp10141_c0_seq2; 827 228 2147 LEN=2671; translated
MSKHLATFLLLAVTAIETIAFVIPTVHSSGVKNNGILPSPSKPSTYLTLSSSPNNNSGK
DGFLKARTDIRYFLTQRSLQSFVFLNQCREEHSVRWLEKTLDFTSIDNFHGTGAFNQTK
FPEWDSVFLDCVDRPEEIMVIQMRSSRRQNRLSGYNAYFESLKQPQTGTDQKPVGSDSDS
EKSSATEGVEGKTKGKSKGFSVGNLYDSMTAPMSTPPSQEAKKSWRPSKKT SRRLSDASSY
LEALSSSPALSSKDDTTECFRKDSEKKSADGPGKSTSYLEKLSSAAKSPTSP ISSDDE
KNEKTEQSTETSKNPYLEETITEYELCVDPPAMVRRILSVREQISKEWAEDLDQLARLND
EIVEYLEEHNRAVAKEDDEEEDDEDEPEETNEGQAEKDQENIGNDEDSSDMDQLLKTLLA
SANKETVPDVTSAQSKSDVNEKIDKDEAECKTAFGRNILTAWTQHLWSPNRSSSPFRKAN
FDLLLLLATQESIHRVLKSYKEDEDVRPETHEWLLLEYKDNVNDYFDGHQSYFRSEDFLE
EMIKLPRTL IETNNEFIAWVDP AIVVEDIVRERSEVTLDWMRIAETISEEHTDLRRMLFS
NMVSKPDPDETLADVIIVTAVDISNITASESSSEVFGAFE

>comp10141_c0_seq3; 633 228 2415 LEN=2939; translated
MSKHLATFLLLAVTAIETIAFVIPTVHSSGVKNNGILPSPSKPSTYLTLSSSPNNNSGK
DGFLKARTDIRYFLTQRSLQSFVFLNQCREEHSVRWLEKTLDFTSIDNFHGTGAFNQTK
FPEWDSVFLDCVDRPEEIMVIQMRSSRRQNRLSGYNAYFESLKQPQTGTDQKPVGSDSDS
EKSSATEGVEGKTKGKSKGFSVGNLYDSMTAPMSTPPSQEAKKSWRPSKKT SRRLSDASSY
LEALSSSPALSSKDDTTECFRKDSEKKSADGPGKSTSYLEKLSSAAKSPTSP ISSDDE
KNEKTEQSTETSKNPYLEEVRDSSKCVCASLASNRYPGXVCDNTERHPLFLSNLILDVNV
RVPGLPINTLVFKWNQTI TEYELCVDPPAMVRRILSVREQISKEWAEDLDQLARLNDEIV
EYLEEHNRAVAKEDDEEEDDEDEPEETNEGQAEKDQENIGNDEDSSDMDQLLKTLLASAN
KETVPDVTSAQSKSDVNEKIDKDEAECKTAFGRNILTAWTQHLWSPNRSSSPFRKANFDL
LLLLLATQESIHRVLKSYKEDEDVRPETHEWLLLEYKDNVNDYFDGHQSYFRSEDFLEEMI
KLPRTL IETNNEFIAWVDP AIVVEGXVAVDLGFVDVGRHLIERISIFVNDVAPRNIDIVR
ERSEVTLDWMRIAETISEEHTDLRRMLFSNMVSKPDPDETLADVIIVTAVDISNITASESS
SEVFGAFE

>comp10141_c0_seq4; 762 228 2243 LEN=2767; translated
MSKHLATFLLLAVTAIETIAFVIPTVHSSGVKNNGILPSPSKPSTYLTLSSSPNNNSGK
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FPEWDSVFLDCVDRPEEIMVIQMRSSRRQNRLSGYNAYFESLKQPQTGTDQKPVGSDSDS
EKSSATEGVEGKTKGKSKGFSVGNLYDSMTAPMSTPPSQEAKKSWRPSKKT SRRLSDASSY
LEALSSSPALSSKDDTTECFRKDSEKKSADGPGKSTSYLEKLSSAAKSPTSP ISSDDE
KNEKTEQSTETSKNPYLEETITEYELCVDPPAMVRRILSVREQISKEWAEDLDQLARLND

EIVEYLEEHNRAVAKEDDEDEDEPEETNEGQAEKDQENIGNDESSDMDQLLKTLLA
SANKETVPDVTSAQSKSDVNEKIDKDEAECKTAFGRNILTAWTQHLWSPNRSSSPFRKAN
FDLLLLLATQESIHRVLKSYKEDDVRPETHEWLLLEYKDNVNDYFDGHQSYFRSEDFLE
EMIKLPRTLIIETNNEFIAWVDPVAVVEGXVAAVDLGFDVGRHLIERISIFVNDVAPRNID
IVRERSEVTLDWMRIAETISEEHTDLRRMLFSNMVSKPDPDETLADVIVTAVDISNITAS
ESSSEVFGAFE

>comp10141_c0_seq5; 618 798 2399 LEN=2923; translated
MVIQMRSSRRQRNLSGYNAYFESLKQPQTGTQKPVGSDSDSEKSSATEGVEGTKGKSKG
FSVGNLYDSMTAPMSTPPSQEAKKSWRPSKTSRRLSDASSYLEALSSSPPALSSKDDTT
ECFRKDSEKKSADGPGKSTSYLEKLSSAAKSPTSPISSDDEKNEKTEQSTETSKNPYLE
ETITEYELCVDPPAMVRRILSVREQISKEWAEDLDQLARLNDEIVEYLEEHNRAVAKED
EEDDEDEPEETNEGQAEKDQENIGNDESSDMDQLLKTLLASANKETVPDVTSAQSKSD
VNEKIDKDEAECKTAFGRNILTAWTQHLWSPNRSSSPFRKANFDLLLLLATQESIHRVLK
SYKEDDVRPETHEWLLLEYKDNVNDYFDGHQSYFRSEDFLEEMIKLPRTLIIETNNEFIA
WVDPVAVVEGXVAAVDLGFDVGRHLIERISIFVNDVAPRNIDIVRERSEVTLDWMRIAET
ISEEHTDLRRMLFSNMVSKPDPDETLADVIVTAVDISNITASESSSEVFGAFE

>comp10141_c0_seq6; 519 1552 2475 LEN=2999; translated
MVRRLILSVREQISKEWAEDLDQLARLNDEIVEYLEEHNRAVAKEDDEDEDEPEETNE
GQAEKDQENIGNDESSDMDQLLKTLLASANKETVPDVTSAQSKSDVNEKIDKDEAECKT
AFGRNILTAWTQHLWSPNRSSSPFRKANFDLLLLLATQESIHRVLKSYKEDDVRPETHE
WLLLEYKDNVNDYFDGHQSYFRSEDFLEEMIKLPRTLIIETNNEFIAWVDPVAVVEDIVRE
RSEVTLDWMRIAETISEEHTDLRRMLFSNMVSKPDPDETLADVIVTAVDISNITASESS
EVFGAFE

>comp10141_c0_seq7; 454 1552 2571 LEN=3095; translated
MVRRLILSVREQISKEWAEDLDQLARLNDEIVEYLEEHNRAVAKEDDEDEDEPEETNE
GQAEKDQENIGNDESSDMDQLLKTLLASANKETVPDVTSAQSKSDVNEKIDKDEAECKT
AFGRNILTAWTQHLWSPNRSSSPFRKANFDLLLLLATQESIHRVLKSYKEDDVRPETHE
WLLLEYKDNVNDYFDGHQSYFRSEDFLEEMIKLPRTLIIETNNEFIAWVDPVAVVEGXVAA
VDLGFVGRHLIERISIFVNDVAPRNIDIVRERSEVTLDWMRIAETISEEHTDLRRMLFS
NMVSKPDPDETLADVIVTAVDISNITASESSSEVFGAFE

>comp10141_c0_seq8; 683 798 2303 LEN=2827; translated
MVIQMRSSRRQRNLSGYNAYFESLKQPQTGTQKPVGSDSDSEKSSATEGVEGTKGKSKG
FSVGNLYDSMTAPMSTPPSQEAKKSWRPSKTSRRLSDASSYLEALSSSPPALSSKDDTT
ECFRKDSEKKSADGPGKSTSYLEKLSSAAKSPTSPISSDDEKNEKTEQSTETSKNPYLE
ETITEYELCVDPPAMVRRILSVREQISKEWAEDLDQLARLNDEIVEYLEEHNRAVAKED
EEDDEDEPEETNEGQAEKDQENIGNDESSDMDQLLKTLLASANKETVPDVTSAQSKSD
VNEKIDKDEAECKTAFGRNILTAWTQHLWSPNRSSSPFRKANFDLLLLLATQESIHRVLK
SYKEDDVRPETHEWLLLEYKDNVNDYFDGHQSYFRSEDFLEEMIKLPRTLIIETNNEFIA
WVDPVAVVEDIVRERSEVTLDWMRIAETISEEHTDLRRMLFSNMVSKPDPDETLADVIVT
AVDISNITASESSSEVFGAFE

>comp10142_c0_seq1; 792 1 3488 LEN=4142; translated
RDHSSRRIRFQKPHPLYDNQTLPIPFHTTDMKEDVRLVIKLEYACRQSLYNGISGTIGD
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TEYEHGQVSRFAGILLGFFLPQSTGNNFFSLQNVSTRPMTSRQQRQKQSQSTGIQPP
KNLTHNKGVSDQQIILMSLEERLESSPHRYGNEFGELDDVIVHEHVESAFFSFLKIGLRP
FLSGRPAHSTQVDVIHLLAMAIIHRPSPDQCIRQTTSRLEEQKSEVWEMTTRLMSSLAHS
FQINRHRVELVRVLDCLVLPCEGQEAAGIYKNAPLFEAGIPLRASLYAFGMASMSPYD
SHLSQRGMVSLAIQSGIDHVVKKEWSRLLHRMVDQTNYSHCSDDMTDGQTTATVTTST
TNQLSDKDFCPTARGELLRSFLIRYNEARHFAEEEFLLQYALSSLTDAIEMQVDCWTKEE
EAESKDTGVKPNREGNYPVGD SIDMILSSNQPLVLAASLLNSAKDLFHLLPLKNNGRA
TEGDHGGDEVEYSEDSHHRDMLISCAIQLIHHWDPKIVKEACTLLVLAFSYSDMWEDY
IGAVFDSTVIALDIAMKRKTDKHASRVAIEGLVSAFSQRSPTFAVNLFRLLLKKGSSDR
NSLVI FRLIAAIANARPAVVQERIGTVTDYLNEVKDQNAKKHILASILSCRRTHYFANET
DSLTLNMPKIHSSLLGNWDKYLRSRHALLTGNFVIAKELYRELMKSAATERSFLWLSAME
NIADGEAQLCRAASGALPESTSKFRRAIGTLRSLEALKYVSTTFQIRILEXKSLIFGSPN
EHETVDDVSCIIAMVSKDFNVVINFSTVLYGPI SYLREMLIGTETTKKYTRPNIHQKNF
VKLFRKLSIDYLR IYKQYGLFICQQRSAMRTLHVLC SFVAKAGARVFADSI VLEEEERIN
KVFAGDGTQIPITMLMKQLDTFALEKLNKFVDVKIRAVTLLFMDRILKTPPIPRSLVC
PKKLPDShLQLVFPDTHDGDEYPINIRNGTHLSFIASGKVPASLMSLSQIPFNKVLLWY
EITFTGGSKKSNLSQKLRDIDRSP IATSVS SAGSFSTKVDGNLLLNEGCTLEFRLGCR

DIRGGEWELPMDKTQHYSVKVV

>comp10142_c0_seq2; 807 1 3396 LEN=4050; translated
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TEYEHGQVSRFAGILLGFFLPQSTGNFFSLQNVSTRPMTSRQQRQKQSQSTGIQPP
KNLTHNKGVSDQOIILMSLEERLESSPHRYGNEFGELEDDVIVHEHVESAFFSFLKIGLRP
FLSGRPAHSTQVDVIHLLAMAIHPRPSDQCIRQTTSRLEEKSEVWEMTTRLMSSLAAHS
FQINRHRVELVRVVLDCVLVPECGQEAGIYKNAPLFEIGAI PHLRASLYAFGMASMSPYD
SHLSQRGMVSLAIQSGIDHVVKKEWSRLLHRMVDDQTNYSHCSDDMTDGQTTATVTTST
TNQLSDKDFCPTARGELLRSFLIRYNEARHFAEEEFQYALSSLTDAIEMQVDCWTKEE
EAESKDTGVKPNREGNYPVGD SIDMILSSNQPLVLASLLNSAKDLFHFLPLKNNGRA
TEGDHGGDEVEYSEDSHHRDMLISCAIQLIHHWDPKIVKEACTLLVLAFSYSDDMWEDY
IGAVFDSTVIALDIAMKRKTDKHASRVAIEGLVSAFSQRSPTFVAVNLFRLLLKKGSRSSDR
NSLVIFRLIAAIANARPAVVQERIGTVTDYLNEVKDQNAKKHILASILSCRRTHYFANET
DSLTLNMPKIHSLLGNWDKYLRSRHALLTGNFVIAKELYRELMKSAATERSFLWLSAME
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HLSF IASGKVPASLMSLSQIPFNKVVLLWYEITFTGGSKKSNLSQKLRDIDRSP IATSVS
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>comp10143_c0_seq1; 159 499 1398 LEN=1515; translated
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SRNQTEGSDASFHHCDSLSEYVNPWSQQNNFSKTSKSGSNKRIFQYCCLDPYFYPIGKHNARD
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>comp10144_c0_seq1; 1376 63 3747 LEN=3880; translated
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AVHESPLGKESKQYWL DVAMANWLP RVALEQTCRLLYVQGF DVGRARLDVIPDGENG SV
TMLRLLIHPVGEYQETS DSGDNGD SGDGTRTDHAARFERLRYNLKR SKWLD DTTQKLVF
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LAF AQQLKNKDIPEGGSKAVCLIDTNDILNGTRDYVLRKSVKAMADSI LDLVVDTEETRE
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>comp10144_c0_seq2; 1370 63 3611 LEN=3744; translated
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TMLRLLIHPVGEYQETS DSGDNGD SGDGTRTDHAARFERLRYNLKR SKWLD DTTQKLVF
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>comp10145_c0_seq1; 207 1554 3095 LEN=3180; translated
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>comp10145_c0_seq2; 374 1314 2915 LEN=3000; translated
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>comp10145_c0_seq3; 355 1535 2956 LEN=3041; translated
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APSFTKTD FYTAHECLLLPYEQALTRMDSTTGRWYDCSAHMLWVG ERTRQLDGAHLEFCR
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GKSVLWISDPVHGNT RKTENGYKTRDFEKIRDELRAFFDVHDEMGSHPGGVHLEMTGEDV
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>comp10145_c0_seq4; 374 1535 3136 LEN=3221; translated
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ISDLCEPNTTESIEKIXDLNFRPSNSKLTVLXFLNTNRYRTFATKVDES LRFMKAIGLDT
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>comp10145_c0_seq5; 355 1554 2975 LEN=3060; translated
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APSFTKTD FYTAHECLLLPYEQALTRMDSTTGRWYDCSAHMLWVG ERTRQLDGAHLEFCR
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GKSVLWISDPVHGNT RKTENGYKTRDFEKIRDELRAFFDVHDEMGSHPGGVHLEMTGEDV
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>comp10145_c0_seq6; 522 1314 2795 LEN=2880; translated
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>comp10145_c0_seq7; 522 1295 2776 LEN=2861; translated
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>comp10145_c0_seq8; 207 1535 3076 LEN=3161; translated
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FRPSNSKLTVLXFLNTRNRYRTFATKVDESRLFMKAIGLDTAAPSFTKTD FYTAHECLLLP
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INI IETMNPSNIPGRLTIVVRMGAEKLRKNLPLGLIRAVQREGKSVLWISDPVHGNTKTRTE
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>comp10145_c0_seq9; 374 1295 2896 LEN=2981; translated
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>comp10145_c0_seq10; 355 1775 3196 LEN=3281; translated
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SAQTLNILRAFSTGGYADISRLHAWNLDVFEQTDEGSRVYRTFATKVDESRLFMKAIGLDTA
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GNVNNPLGVKISDKCTPEELINI IETMNPSNIPGRLTIVVRMGAEKLRKNLPLGLIRAVQ
REGKSVLWISDPVHGNTKTRTEGYKTRDFEKIRDELRAFFDVHDEMGSHPGGVHLEMTGED
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>comp10145_c0_seq11; 522 1535 3016 LEN=3101; translated
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>comp10145_c0_seq12; 207 1775 3316 LEN=3401; translated
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>comp10146_c0_seq1; 719 45 1490 LEN=2070; translated
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CHIGTKKVVASLRHFEFPASTKEPAGDEDNEEEMEYPMSIEAVGFSPSQPNWCATGGVDG
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>comp10147_c0_seq1; 466 139 1422 LEN=1594; translated
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MARMNHH

>comp10148_c0_seq1; 322 41 1198 LEN=1658; translated
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FCVVVILCTHRLPGYFFGRKYSLYPILTRNLTGALLYLW SKRNPRAMIQLNFVPM EGRYL
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VPGE EYHRLPPQQRERREFAFGDRDGATPAHIAAKLGN YSELQELVEALTTNAGGHRRL
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>comp10149_c0_seq1; 2018 53 3670 LEN=3780; translated
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>comp10150_c0_seq1; 828 344 4381 LEN=4466; translated
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SIGNLGCISCYVLTVINLFGRLGVAGLDAELGLTVFMGVPASLFGTVFISPILLFLEGE
SVESYSRTISRASGAKKQTKVVGITMNYLNGSNMFVPPVGTMFVYLVGFHTIFLRGS
PFLKSILESKFWPKSTVETVSN TVRLNKDFLLQLAEKATSKSKAYAISSKLEGS GFWTST
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>comp10150_c0_seq2; 805 344 4527 LEN=4612; translated
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AWVSHLSLAFRNERETPGLDRFASVRLSGMHVRVDPRIFDALSHPIDIDCRLAGSXLQFQ
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GMISTGCSRSHFGSNKRSSPDGSSFTITTSFSAYMHTIVLLLVPGMHVL MFRDRIMNRYA
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GEYHEDIVQASISLSGMLLGKAFGFPWNLTPLPILAFLLGLSVWITTKMMRYLCIFLFLVH
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CLIVGVAAYTRRLDMI SKLMYVAAISVGIGKGI AVFIDASESDSKIRSEHSEEHLAQRLL
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GGGESWKKTAALAF LMGMGIALSAPT VPEWIVGEDDLG ISNPYAGISSLGTRLTTEGHN
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WPKSTVETVSN TVRLNKDFLLQLAEKATSKSKAYAISSKLEGS GFWTSTTLYEPQLHTAG
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>comp10151_c0_seq1; 614 8 2002 LEN=2173; translated
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ASES

>comp10152_c0_seq1; 346 125 1369 LEN=1893; translated
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>comp10153_c0_seq1; 543 325 1863 LEN=2379; translated
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>comp10154_c0_seq1; 429 247 2533 LEN=2750; translated
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>comp10155_c0_seq1; 416 243 1320 LEN=1560; translated
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>comp10155_c0_seq2; 552 199 3323 LEN=3700; translated
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GYQTFQRFYNP GSMPPNYA ITPVQRAA IGLGYVGLVGG LALAMDVNGRYKKSPEVLRRE
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KGDRVDRIHQTA VGI TVAL EGVFFLLP GHRQHSFVTDLVEKLNPHAALDR TDAETVSLGE
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KKRPGSSVATVLLPKIPDTELP I PAGRHNVGRSTIVAHGRQTRASIAGFHTGATGNAAA
VLVAVKSNRSHGGSARVERLDAP IQAPVTTVVAPGTANDSSGPDSMLCESSRGL EDEAEA
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>comp10155_c0_seq3; 299 243 974 LEN=1853; translated
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KVLGEPLVTLASMLLVFGSSIVGAVLDGGLSAASMQUALKPTTEVTGEAGWYSGLDKPWWN

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>comp10156_c0_seq1; 181 1 555 LEN=1327; translated
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LAGR

>comp10156_c0_seq2; 1074 1 3077 LEN=3849; translated
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DSMVSRTVPSLPTLPRGGMNQSFQSPSRSRLLQLQNCESSSSRPRRSGSSNVVDHTGRIRG
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RLAGR

>comp10158_c0_seq1; 534 310 1524 LEN=1623; translated
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>comp10158_c0_seq2; 335 310 1746 LEN=1845; translated
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GFAGENGCRNMFVNPATSFSIPSNRFETLTLRKSRCMYHIALNRENNXALTELLLYP
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LSEDAPAEESDLQVGDLVTLTIVDVFEEDNQGLLSYCPTFDNRAIRKTNQTSETIKKS
STKLFSILGRARRAVAKSEVNKRASEQITKMGLMQHAKNVAENVKHKVDEAVQQMNSPAK
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>comp10159_c0_seq1; 479 124 1383 LEN=1908; translated
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ACENVKDHSDAKKTLICALSYSRSTKLFELWDADSSGTINFEELLAGLRKHQRAVTKNSFK
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>comp10160_c0_seq1; 642 249 2879 LEN=3364; translated
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>comp10161_c0_seq2; 143 195 1076 LEN=1517; translated
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EFTKVVWPEEWPFRETFDFLRGDSNDDGWFKVPRLVYHIDEPAASLTQYYRRNIRPKSDI
LDICSSWVSHYPLEFPQTMGRICGTGMNGFELGFNDQLTGGYETKDLNDDPVLPHYEDNSF
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>comp10161_c0_seq3; 210 195 1229 LEN=1320; translated
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>comp10162_c0_seq1; 404 131 868 LEN=1045; translated
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LIGGGKIVAVREKFTILLEKLIKLASLQTSFVTLDEAMKVTNRRVNALENVTIPRIEAI
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DDVVF

>comp10164_c0_seq1; 374 508 1713 LEN=2045; translated
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>comp10165_c0_seq1; 489 1 2708 LEN=4546; translated
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>comp10165_c0_seq2; 495 1 2927 LEN=4293; translated
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GGGIACLTILVLTVVLTTVLSNQSSVNSDDFHNNRSDDYDDDDLSPGTILVGKDDDNYSN
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DAEEIYQKLTFFQONKIKTVFSLVTLYHSLDGNKWHTRANWLDPTKDVCDWQGVNCKNEL
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>comp10165_c0_seq3; 495 1 2927 LEN=4340; translated
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P A F S P S M M E Q D I F G D T S V I H R E P P L Q P Q F P T P A S N G S N G N R N N P D R S T S T S G T I S A P D V
I V R A Q A I S S E D Y Y A E V R R R I R E E E Y E A A R L R I R T Q R G N Q V V H A V D V V P L P M V D S Q D G N I
S T I T P V T N G G A A S A T T A A V V T A S S T T E M S G K E D A S R T S Y P W T G N F V P R E G Q R R W L W F G L F
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DAEEIYQKLTFFQONKIKTVFSLVTLYHSLDGNKWHTRANWLDPTKDVCDWQGVNCKNEL
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RLRMLRSTDDSRDGAESSGSRTRIMTKERYLEDSVYAGIGDEESQNDFFDVLFMFDDAF
LDEFDNYDKTDPDEYLEDTIPIRSLELNFNNLVGTLPEVGLLSNVYELIDLGGNKISGS
IPSTFKMLSRLEGLNLSDNILTSILPSDLGYMRFMRFFDVSGNPGIHGILPWSFKFWIKI
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>comp10165_c0_seq4; 489 1 2708 LEN=4499; translated
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SCLRPDSAAGESETANAASAGMDRDAAVAGGSKKRTQASIRKKKTSSSSGSGPGSASGRGK
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P A F S P S M M E Q D I F G D T S V I H R E P P L Q P Q F P T P A S N G S N G N R N N P D R S T S T S G T I S A P D V
I V R A Q A I S S E D Y Y A E V R R R I R E E E Y E A A R L R I R T Q R G N Q V V H A V D V V P L P M V D S Q D G N I
S T I T P V T N G G A A S A T T A A V V T A S S T T E M S G K E D A S R T S Y P W T G N F V P R E G Q R R W L W F G L F
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DAEEIYQKLTFFQONKIKTVFSLVTLYHSLDGNKWHTRANWLDPTKDVCDWQGVNCKNEL
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RLRMLRSTDDSRDGAESSGSRTRIMTKERYLEDSVYAGIGDEESQNDFFDVLFMFDDAF
LDEFDNYDKTDPDEYLEDTIPIRSLELNFNNLVGTLPEVGLLSNVYELIDLGGNKISGS
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GA

>comp10166_c0_seq1; 702 89 1570 LEN=1676; translated
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DLARGEGLFDSLGAIERILNDSGIIITGSPSLIVVTEPETHKARLEDSATDVLANLVS
SKKVCSLNDFVFTVYVKTADALDLDLASKDPATVQDTIASTVASDFWQSTGSSPMAF
ISSSSNMSPKDLAARVKGPAARKALETAIETVKAASDDNQSI V P S Y G D L C K A A S K R A M E
ELEEVAESPVSSSAVKGQIQANLRDELNGELGDLAEGQLSLLQEACFADFKAKLSKLRI
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VPSPGTGNEMIYMQ

>comp10167_c0_seq1; 277 183 566 LEN=607; translated
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TEVSGNF

>comp10168_c0_seq1; 379 1137 3491 LEN=4440; translated
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GEDTMQFYEGNNGQRYAAIVTPKVRAMARNQFDCQSLPGAKLENQPTGSESECTGDHWDEH
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DTDGSPTIPEYAKGYFCDDASKRGCSPALTHKLACSVIDYFYIQPQTLPEKRFQYFKDEI
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NGTVHPTCECFDSSDTSSGCSNSLLPGGDFLDNADGLLDNIEEDFFDPLVSVFVDPDKW
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QYSN

>comp10168_c0_seq2; 562 292 3022 LEN=3971; translated
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ILQDETEFVNTVEQGVVNTNTAGIGGEDLYKPMRIRFETQALDDTRDAENAAKIDFFKTR
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E
GNNQRYAAIVTPKVRAMARNQFDCQSLPGAKLENQPTGSESECTGDHWDEHDYYPEALSG
VISPTTNIMSHMTLALFEDSGWYRANYTQGRMNPWGLGAGCDFVEEQCVLEDTDGSPTIP
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YCPPLYGTYGGLEAEQLACTDTANADSLNIYSEVYGSQSDSQCIPTDGGDGRCYRTACVKDE
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NAVGANGTVHPTCECFDSSDTSSGCSNSLLPGGDFLDNADGLLDNIEEDFFDPLVSVFV
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SPRRSSTGVRAASPRASSSSAGIPGGLRGTVPAGTAIPPGGGGGPIRGPPPDDGGPSTL
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PSRVVQYSN

>comp10168_c0_seq3; 537 292 3160 LEN=4109; translated
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ILQDETEFVNTVEQGVVNTNTAGIGGEDLYKPMRIRFETQALDDTRDAENAAKIDFFKTR
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VSGTPSSRFRGTTLAVAVACNFDQFDRPTAGAINVCLDRIDLDEEDGTASDAITEDNVDV
LKHEVAHVLGHSSNSYRFYWDSETGTERTPRPFESRTVTCVDDVERSILILPGEDTMQFY
E
GNNQRYAAIVTPKVRAMARNQFDCQSLPGAKLENQPTGSESECTGDHWDEHDYYPEALSG
VISPTTNIMSHMTLALFEDSGWYRANYTQGRMNPWGLGAGCDFVEEQCVLEDTDGSPTIP
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YCPPLYGTYGGLEAEQLACTDTANADSLNIYSEVYGSQSDSQCIPTDGGDGRCYRTACVKDE
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ALPNSVLSHPALGTALPQTLVCPRLSTACPDFLFCPFNCAGRGICNYNAVGANGTVHPTCE
CFDSSDTSSGCSNSLLPGGDFLDNADGLLDNIEEDFFDPLVSVFVDPDKWTTSSWAWGA
GLLAVFLVMLLCICSAFWPESKNKRDMEELGGSSPRKRAPSSSPRKSSTGVRAASP
RASSSSAGIPGGLRGTVPAGTAIPPGGGGGPIRGPPPDDGGPSTLPVRRRSTTATGGAV
RPRNTWWKCERPLPAGTVPLPGAPRTGVLFGLIARQWQLQQCARDPSRVVQYSN

>comp10168_c0_seq4; 404 1137 3353 LEN=4302; translated
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GEDTMQFYEGNNGQRYAAIVTPKVRAMARNQFDCQSLPGAKLENQPTGSESECTGDHWDEH
DYYPEALSGVISPTTNIMSHMTLALFEDSGWYRANYTQGRMNPWGLGAGCDFVEEQCVLE
DTDGSPTIPEYAKGYFCDDASKRGCSPALTHKLACSVIDYFYIQPQTLPEKRFQYFKDEI
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YRTACVKDEMVLRLINVRGEWKVCEYDFQKLDVRVAGALPQTLVCPRLSTACPDFLFCPF
NCAGRGICNYNAVGANGTVHPTCECFDSSDTSSGCSNSLLPGGDFLDNADGLLDNIEEDFF
DPLVSVFVDPDKWTTSSWAWGAGLLAVFLVMLLCICSAFWPESKNKRDMEELGGSSPRK
RAPSSSPRKSSTGVRAASPRASSSSAGIPGGLRGTVPAGTAIPPGGGGGPIRGPP
PDGGPSTLPVRRRSTTATGGAVRPRNTWWKCERPLPAGTVPLPGAPRTGVLFGLIARQ

WQLQQCARDPSRVVQYSN

>comp10169_c0_seq1; 388 490 1908 LEN=2293; translated
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KHGCGFLLWPTTAVLPVGDAGNATGSETFVFPYGYHTRFDLLRQFVDSAKASGVGYGFYYS
IMKNFFLCRSFEGENSCGKAVLDGQHNVSASYHTIVEHHLTELYTSYGPLTEVWIDSRL
QGFGLLDRLQPTAAGVPSHPRQWCGETESGYPSRDVGPVWQTGTGFRGNASSGRWVDK
FCDPQLFEDHIWIFYEPGRAIKPLAEMIAIYHDVVGRGMVMEFAIFAIGRDGLVQESH
RGERYRALGDWVRGCGYGTPLWSVSDRVPERDRGVYTTLELPVPEDAFGGGSDYLDWRSVLSLFDRI
VLREDVSVGQIRIRNYTVALVGQHHHHRHRYPFEDSEPVELATLVSDGTSVGRKRIHLLD
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>comp10169_c0_seq2; 464 176 1759 LEN=2144; translated
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KHGCGFLLWPTTAVLPVGDAGNATGSETFVFPYGYHTRFDLLRQFVDSAKASGVGYGFYYS
IMKNFFLCRSFEGENSCGKAVLDGQHNVSASYHTIVEHHLTELYTSYGPLTEVWIDSRL
QGFGLLDRLQPTAAGVPSHPRQWCGETESGYPSRDVGPVWQTGTGFRGNASSGRWVDK
FCDPQLFEDHIWIFYEPGRAIKPLAEMIAIYHDVVGRGMVMEFAIFAIGRDGLVQESH
RGERYRALGDWVRGCGYGTPLWSVSDRVPERDRGVYTTLELPVPEDAFGGGSDYLDWRSVLSLFDRI
VLREDVSVGQIRIRNYTVALVGQHHHHRHRYPFEDSEPVELATLVSDGTSVGRKRIHLLD
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>comp10170_c0_seq1; 126 1 799 LEN=1058; translated
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LLRNKLNKAAAAPSAPSLPQGSNAARQLDTATMREIHDCLKVQYGATAREYNTVRANLM
KAAKEEKMYGITLNEVKENPSATGDYRSVGLFMRQTQPEILDHLETNIESQKKKQQL
SGKSDYLEKRLKSQQMNMKELAQQ

>comp10170_c0_seq2; 325 137 913 LEN=1172; translated
MSEKKTAEYKALGNEAFSKKDFKTAIEFYKAILQEPKNHIFSNRSASHAGLQDWESA
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KAAAAPSAPSLPQGSNAARQLDTATMREIHDCLKVQYGATAREYNTVRANLMKAAKEEK
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EKRLKSQQMNMKELAQQ

>comp10171_c0_seq1; 180 1 788 LEN=1217; translated
XNTPQGNQLKIERGQHTRTERVAATTTKTMMMKHIGFRILVAVIGASALVSAGNEDTHEK
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SKFEGQVTVVVNVASECGYTD SHYRGLVELWSHAKETDRINILAFPCNQFGHQEPGSSEE
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YSGSKPMQLKDTLFLGLLQTDDEL

>comp10171_c0_seq2; 180 1 788 LEN=1313; translated
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SKFEGQVTVVVNVASECGYTD SHYRGLVELWSHAKETDRINILAFPCNQFGHQEPGSSEE
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>comp10173_c0_seq1; 435 126 1818 LEN=1928; translated
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GSTTEIKEYNDAEIGKTASVLMATGYSLLDYQRFVGLSLRKTGFEGNII LAVSPNINSEC
ENYLATKNVILHKVQYVECSHPVKKNVDKNDHEHEKELVTCVHPYPKPKHRWARFPLLRDL
LMQCGGHEHPEVQCGGVLITDMRDTMFQRNPFGEAPKVVYGLQVFAEHYSIRTTHWLVD
WPVGDCKGVHYDEPMLCSGTTIGTRQAML DYLEIFHKEMNLWME SPKCCCFDTNGDDQSM
HNFLFYSGALNSVDGGVQAVKNRNLVNTVGMAGSLIFESHARIKREFLGALKDPDRPVK
DAHHEPLDMSPEDKVDDEGNSKTMGAQYGLVMDGYFVDYDGSRSFIIHQYDRFGSHFD
NWKGTGTGNDTITLSSRKRIGAGVAGQALVPVLRWRRSNNKTGTPNGKRFRRRNHGTTVAG
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>comp10174_c0_seq1; 713 184 1608 LEN=1742; translated
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ETSTISNTGSSIERPKSVSKANEELLEKQSEILAKEYKEGVWAHEAAFAEVGGLVVRMPL
EAEIYRNKDQLIIGKELSARLPTDEQTSKNVLDDEDISPIAAKTLKWyREAQALIQEEMGV

IAGSANEEKGEVDPTGLPAKTEDLLKLYLNNQENWQSVCLVAEKNENDGSAVTTYTLNRPMA
FSLSENVAKMVLFGAMSNLITDGRVPI SKTNLYSKFLRSFEKECAVYVGGPNKQDKPAVV
IHGIQDLEGATEIASGTGVYMGGLEAAIDGVLDGRYKPLDFRFFIGCNSYQKGGLDAAIA
SNKYQPIACTRSLALKQCIQLPKPLWHEVMEMCGGELMEVSRLELQKRSDLNPE
>comp10175_c0_seq1; 507 148 1530 LEN=1716; translated
MPSVPAVQPDARSTLVSFTEHDHITQLIREAVQVQHHCKRARFHLSDNDKDTKASSIGNVAG
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DYLKSEMKMPPQEVGLTLHWLAVDGVQPNVSNPPGTGVGGSANANKRKQSAVHLVDDV
DDEDGSRGVQVTQLLPRLLSEELRLYFSRITEAVERGGATPVTRQQQDTALASLIRDPG
LQELIPFMINYVTKNLKFHKLGNPEHCRTLIRMAQALLGNPHIHLELYLHQLLPAILTMVV
AERLSSNPFNDHWILRYEAALCLVQACNLFGEDYATLKARLLKPLSHAIGPDKPLSTRYG
GLVAITFFGPKAINAFVLPALDYWKQSETLLSTCNNLEQRMEIQMCEQATLNALGVFLG
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>comp10175_c0_seq2; 434 148 1640 LEN=1826; translated
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DYLKSEMKMPPQEVGLTLHWLAVDGVQPNVSNPPGTGVGGSANANKRKQSAVHLVDDV
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SGLNYFYKSVESFFSKTRRILFQLHQLLPAILTMVVAERLSSNPFNDHWILRYEAALCLV
QACNLFGEDYATLKARLLKPLSHAIGPDKPLSTRYGGLVAITFFGPKAINAFVLPALDY
WKQSETLLSTCNNLEQRMEIQMCEQATLNALGVFLGPANKDAPEAMGMGWELEEDTFGDR
LVMLCTNETEYATCFI
>comp10176_c0_seq1; 870 121 1674 LEN=1727; translated
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WPVAISGKDVAVAKTGSCKTLGFLLPIFHRISTRDLPGAEAEVIFGRSHTPSPVGLVV
SPTRELAMQIHKECVKFGSSIGISSACLYGGTSASEQIQELRKLSPQII IATPGRLCDLL
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VAAKFLRDKDETMEIFLGEGTADGELVANKSIKQTFVEAQDDVKDRKLYDLLCSLDLEKA
SVVIFANTKRRVDYVAKLFWQEGFSTCAVHGDKAQHERDASLRKFVSKECTILVATDVAA
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>comp10177_c0_seq1; 253 1 1133 LEN=1348; translated
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VGGGPVMAVLRFLLCVLDLLTYPVVMRPSIVVLERHCFRHRPPGRRPRGVPEDPGEDGV
ALVPSGGVSPASSTCGKRNAIASFEIDEGAETVGHVDRIPIRENDDNNDNDEGVGVI
DWRTHMAVCLALGVVAAAGATLVPFAGLLSGLVGGVSQTF LAFVLPPLVWARQRQSTTIA
GRSGGTLSPAPAGWLLGVLPWRERGLVACGFGLILWTLRS AWIELADEIAPLGVGLAV
SAGTPGRKPSAGYGEV
>comp10178_c0_seq1; 329 137 880 LEN=2041; translated
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SNMLQVTGIPSIAILDAKTGEFISGGEARDDDVMKANGDAAEIAATVQKWKDAERHP
ISEAPRLMELGDMGRNPLFKFLSFLAKNPMIIFGLIYFYKWIQNRMIAMGFDDSDATTEP
VVEV
SSEDTEF
>comp10178_c0_seq2; 256 171 611 LEN=2116; translated
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MIAMGFDDSDATTEP VVEV
SSEDTEF
>comp10178_c0_seq4; 329 137 880 LEN=2385; translated
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SNMLQVTGIPSIAILDAKTGEFISGGEARDDDVMKANGDAAEIAATVQKWKDAERHP
ISEAPRLMELGDMGRNPLFKFLSFLAKNPMIIFGLIYFYKWIQNRMIAMGFDDSDATTEP
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SSEDTEF
>comp10178_c0_seq5; 256 171 611 LEN=1772; translated
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MIAMGFDDSDATTEPVVEVSSSEDEF

>comp10179_c0_seq1; 634 202 2499 LEN=3802; translated
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GYAFALSFQIILFLFVHLANEANIASNGSEDSQRQLFALDVASTLLSIPVFLFGFSSLMA
IASTFVAEAWSSGGFLIRAVFKAPPVVTELLYFVFFLLIPLSTFFSALYAGLNNPWEIATY
AWLGCVAVFVCCFGLAVVWCEVSACFKLVSIHYGDDDGTELSSCFKIRCAILLVQTHRY
SGEKHEQYLVTDTCVPPGGGFTFSDKHDPTYTRKSIYSHIAQLGCFRFMYETIDPPERTY
SIEEVLLDLRFITRNSWSLEGMMFFSSRRQKIIISVQGPSALTGTQVLSTFACNIFGTILI
IVTVISIFAWLSTGWASYIVVALISIVCCLFPLIQSQKTMIQMYRDIHKDDLIEEGGENV
KPEGNEPVAEAMKVRYTSSGEMVSEETMYRLWESSRVVQPKPWVCYFGMLLECLLLILFP
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SEERKLVKARLAGTVRNITRSNAVKRWIWWFGTLVLATYFLFNAALASNDGLGERPPIV
LVDDYTYPAEESLQYPSCSMSKGFKISVDGGEEDTALGDYAYLAALAYETTDVVTGYLLP
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>comp10179_c0_seq2; 709 202 3198 LEN=3721; translated
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GYAFALSFQIILFLFVHLANEANIASNGSEDSQRQLFALDVASTLLSIPVFLFGFSSLMA
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>comp10179_c0_seq3; 670 202 2670 LEN=2759; translated
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>comp10180_c0_seq1; 421 168 1473 LEN=1473; translated
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>comp10183_c0_seq1; 1674 42 6065 LEN=6196; translated
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>comp10189_c0_seq3; 533 213 1517 LEN=1789; translated
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>comp10189_c0_seq4; 714 124 1980 LEN=2252; translated
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RRFLVRPFLMSIINRNSFFRLISALALFTGMVQSGDQVLLIYYLEDQLDFDQKDV SIMF
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>comp10190_c0_seq1; 1269 653 4630 LEN=4689; translated
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DGTVRSSATAASET VLPVWNQDVLGGRAGALQTI FWL RNEFGKHSTTLGQDLVVLAVKI
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>comp10190_c0_seq2; 1013 1 3271 LEN=3330; translated
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>comp10191_c0_seq1; 261 144 1454 LEN=1678; translated
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>comp10193_c0_seq1; 230 304 1443 LEN=1664; translated
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VAIYFVSIVLIGASFYGGIRMASRLDNPLYG WISLSVGLLLLLYPAKLLYRAVTYLYSLA
GPLTERPGVIVHGRRLYWTQCHDTLNPFEILGAKESYKRKDSDSVSVLCELQGRKIRN
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>comp10195_c0_seq1; 628 17 1672 LEN=1812; translated
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HGSEVEPLREGDASGGDSQPLYSDCDLNSLP GKEIETTDRSFPETSROGDAPIRKRAAF
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>comp10196_c0_seq1; 208 1 1134 LEN=1151; translated
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PAFAVAEIKETTMRDPVTGEFRPQEDAYLNSGPGPRLFEAF CGLVRPYLQPETDGRSES

PPNDPRLSPRAVYLQAQRWGSGLPIDPGRVPLCHREEVCGTWYASDTGGSLVYESGEPEG
KDDPTPGFVADDQKGLYYAGDFCSSFNPGFEAAALSXVGPGEAHRGPAALSETRGQQCIG
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>comp10197_c0_seq1; 400 164 811 LEN=895; translated
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FIEEDIGASIKAWNAFTKETGKKETHGIIGGVVEGNNYDAKGVEAIGKLP SKKELYAKIA
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>comp10198_c0_seq1; 404 78 1427 LEN=4262; minus strand; translated
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FGGLSAL TLT LRRAFDDLH LLELHLLT L SDDSKKPDGQPNHRRNVSTPVIPSTYRSMDVD
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>comp10199_c0_seq1; 1381 146 3091 LEN=3161; translated
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PEGTVDPITLEDLNTLEYPPFALVADQPYVPVVPVPIQKKQTS GQDDKSGKAEAGPTS
SEKVEDVEDLNRQLADQWGEFMLPSKETSTTSSVNDKEQVSSAPPSPPLSERPLNLF DG
RALAFYMVSQ LQFIDPFTRRDLTRPELLNLD RYLD RY GSGDTGFGN N N N Q R S K N K K Q Q R Q
KIRVTDAYDAKITLSSAGAAAATAQGRADIMQQAQQLLNSL FVGQPSVSTIAAAPATN
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SKTLSRITRAVKKTAE EKQRQWEAREAAARRKAMMSNLTFGMNPVAADPLPSSH PAATPT
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>comp10200_c0_seq1; 651 1 1587 LEN=1587; translated
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VDNVS YMPLIGNLRDYGV E FADNFGDFEDQSANDALLHSIEDMAAWKARQVYEATGLPTI
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QMTFGL EYQKFLKTRLD DAI FGDYSLPGAASVKLRDRVLKDRVLPNNI IDVSKFMDSRV
DVDLMDACAQELSQR FVNSKPTKIMTVATTGLVIALPMAKYLQVPVYARKERNVVMADT
YSAPYSSKTVGKDRQLLVSKSHVHKSDRVLIVDDFLSSGSSQEALLRILSDAGADPVGIG
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>comp10201_c0_seq1; 369 1 1270 LEN=1980; translated
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DRAPRRIFSYVPPKNTDWSHVEHATIVFHGAGGEDSYTNELMKRLDAAAESSSSGLQNH
YNHIVDWSQNSANILQASYNQQIGRIAARELLEQATAPNNSLKTIIHFIGISVGAFSADA
AVNEVKKNFQNSNSIEAPFVQLTLLDPFQQLGIFGVSYGNKTFGKSADYAQQYLNTDDSV
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>comp10202_c0_seq1; 267 127 1139 LEN=1311; translated
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DSGLHKEKLGCSRLGAPHITFASLELPFKHEHSRPNQIAYVSDSPSINVHKMND EIFQLR
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>comp10202_c0_seq2; 272 104 951 LEN=1123; translated
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>comp10203_c1_seq1; 464 1 1691 LEN=1702; translated
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SNAIFDSLNDANDKVVKNAIRSIGHAGNLLAGSMRCNPKDEGVSSSCGLLVAMVEALTQK
LSNTLHVALNEEQKSAMTWKERSAAKKGWGACHSLGLIFEGLSVELVEGSDSFAAACRG
AFRRLAVCLRREALNEKVVLAAMAALGQLPGGLLVLAGSRGGSGLGEALAGSMLESLSSQ
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>comp10204_c0_seq1; 864 186 1847 LEN=2080; translated
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>comp10204_c0_seq2; 713 214 1685 LEN=1918; translated
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AETGADTEAGTEAEPEEENSYPSPPTTEETEAMAKLVKKLEDLTPPLPKATTALPSVN
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SKDDAAAGVDVDPATIGSNKSRNCHSGIWLFTDRENITHTFFQPNFLPPYDTPEKKRIIFD
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>comp10205_c0_seq1; 197 1 466 LEN=906; translated
NDSNSNSSDQNNQDDEQOYYEEDHQOQEEAGQIDGAFARVNGGMLQSGRFENQIVSLVG
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>comp10206_c0_seq1; 308 1 1779 LEN=2016; translated
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GYTKLNGSRPFTGQLVPGGKYYYVVDLTTLVAFVCGPKLDVEKEPFGFHIVAGHTDSPNL
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GSPVMQGAIQRISAALYGGASPSPDVHQACINKSFVLSIDQAHAIHPNYSAKHESNHAPT
LNGGLVIKTNSNQRYATSGISGFVRELGRDIADIPIDEFVVRNDCGCGSTIGPTISARTG
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>comp10206_c0_seq2; 289 1 1539 LEN=2132; translated
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GYTKLNGSRPFTGQLVPGGKYYYVVDLTTLVAFVCGPKLDVEKEPFGFHIVAGHTDSPNL
RIKPRSKRSASGCTQLAVETYGGGLWHTWFRDLVSVGRVLLQEPQAVSESGRSIVNTKQ

RLVNLEDPIARISTLAIHLQSAEERKGFSVNKENHTAPI IATKNTGEEKIGSQSNKQAGK
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FLYSARLDNLATVFAGLEGLVSFTSPSTDEGIEALNNSDVSVAFFDHEEVGSTSAQGA
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>comp10206_c0_seq3; 258 1 1907 LEN=2144; translated
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GYTKLNLSRPFTGQLVPGGKYYVVDLTTLVAFVCGPKLDVEKEPFVGFHIVAGHTGTSNK
QNGFSEMDSFRSSLTACFLIRPVSFNLYCIPNRPTXLLDSPNLRIKPRSKRSASGCTQLA
VETYGGGLWHTWFRDLSVCGRVLLQEPQAVSESGRSIVNTKQRLVNLEDPIARISTLAI
HLQSAEERKGFSVNKENHTAPI IATKNTGEEKIGSQSNKQAGKVLEQEASDQINALSKWQ
ESQEP LLLKAIADKLETTVESIVDFDLSLYDTQGAALGGISKEFLYSARLDNLATVFAGL
EGLVSFTSPSTDEGIEALNNSDVSVAFFDHEEVGSTSAQGAGSPVMQGAIQRISAALY
GGASPSPDVHQACINKSFVLSIDQAHAIHPNYSAKHESNHAPT LNGGLVIKTNSNQRYAT
SGISGFVVRELGRDIADIPIDEFVVRNDCGCGSTIGPTISARTGIRVVDAGMPQLSMHSCR
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>comp10206_c0_seq4; 239 1 1667 LEN=2260; translated
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GYTKLNLSRPFTGQLVPGGKYYVVDLTTLVAFVCGPKLDVEKEPFVGFHIVAGHTGTSNK
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VETYGGGLWHTWFRDLSVCGRVLLQEPQAVSESGRSIVNTKQRLVNLEDPIARISTLAI
HLQSAEERKGFSVNKENHTAPI IATKNTGEEKIGSQSNKQAGKVLEQEASDQINALSKWQ
ESQEP LLLKAIADKLETTVESIVDFDLSLYDTQGAALGGISKEFLYSARLDNLATVFAGL
EGLVSFTSPSTDEGIEALNNSDVSVAFFDHEEVGSTSAQGAGSPVMQGAIQRISAALY
GGASPSPDVHQACINKSFVLSIDQAHAIHPNYSAKHESNHAPT LNGGLVIKTNSNQRCVM
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>comp10207_c0_seq1; 230 1 530 LEN=819; translated
XQQQQPHQRPPPPQQAPPRAPPPQQQQKQSSGADNKYAQMANQSEDDGQAAITKIKHSI
LISWALQPPQLQMLRPIAALVTIHTVFPALGVAGHDYFKKWKPIGRELVAGVNGLPED
SKLKKSVRKIRFFLHPDKLPHDLNEEQKFMVKMLWDVTNDSWEEYQKHKEDLDWVN

>comp10208_c0_seq1; 209 1 829 LEN=1004; translated
XSSRSSNNNNHNNHYGSMGQVCSGTSEEASKSGLLDVPSRGDDHPDPSLPPAPPEPSRGD
PSEEAASLPGSGTERERASEERAELLEQRKREEEALERKQRELWIVNGAARGMVSVRSTR
GSTGYDQGFAGLLAQHLEQTTSFPDRLLPLVLPNGSGGSPSPSPGASSSSLPENESGG
PGEQQEAGGSGCSFYDRLARSPWGGMDLAVEAPRPAATHAPGRLLQGRELAAALS GDPH
KLMDALAESLLDGPYTVVVARQQLFAGVRPMVETLM

>comp10210_c0_seq1; 335 178 1194 LEN=2315; translated
MSDAPSNADANGGPGQVALSDPVDVIIDKLLSVRGARPGKQVDLSEAEIKMICLRSRDL
LISQPMLELEAPIKICGDVHGQYYDLLRLEFYGGFPDSDNYIFLGDYVDRGKQSL ETIC
LLLAYKIKYPENFFVLRGNHECASINRIYGFYDECKRRFGIKLWKTFTDCFNCLPCA AVI
DEKIFCMHGGLSPELTNLDQVKRIVRPTDVPD TGLLCDLLWSDPDKEIDGWGENDRGVSF
TFGEDIVAQFLHKHDLDLICRAHQVVEDGYEFFARRQLVTLFSAPNYCGEFDNAGAMMSV
DETLMCSFQILKPAEKQRFSYQGGNQRP GTPQQAQGR

>comp10210_c0_seq2; 301 500 1363 LEN=2484; translated
MICLRSRDL LISQPMLELEAPIKICGDVHGQYYDLLRLEFYGGFPDSDNYIFLGDYVDR
GKQSL ETICLLLAYKIKYPENFFVLRGNHECASINRIYGFYDECKRRFGIKLWKTFTDC F
NCLPCA AVIDEKIFCMHGGLSPELTNLDQVKRIVRPTDVPD TGLLCDLLWSDPDKEIDGW
GENDRGVSFTFGEDIVAQFLHKHDLDLICRAHQVVEDGYEFFARRQLVTLFSAPNYCGE F
DNAGAMMSVDETLMCSFQILKPAEKQRFSYQGGNQRP GTPQQAQGR

>comp10211_c0_seq1; 677 74 1447 LEN=1556; translated
MKFCAAALASMLVCQAVAF'TTKASFPAARSASKLHSSAANVLRPSPADAGANGDSPE
IFDLSISIGCRVHRYKSTSFNTDDTDVNYVMWYHGRSTKQDEDKSLPPLSSGRIGRAVSK
NGLVWEKDCSGSSDVIDIEGVSFGLNQDSWWGFDTAHVGLGSVLLPMTTPAVMTEGGIYLM
YYFGNFEETPINDYVEADMPEDLTIKGMKMRIGVAVSQDGETWGRVEGDPTGACMPPY
EKSNSETKMEDDKSLEIKEELYCGWPEVVVRIDPSNDANS GFFMYYSTMTKDDKQKSL
GVAVSSDGFRWYKRGICLTPSAGDEDSMDDAGVARCHVVRNAVYNELEETWSDAPGYTMF
YEGVSSLDKKHRVLMATSDDGEAWTKRGVVLDIGESDNEAWDCDGVGSPNILRMDDGSQR
MYVVGQKGS DTAIGVAKMAVDSTAWVREQSSFSFVEA

>comp10212_c0_seq1; 596 1 2289 LEN=2358; translated
LEKLELALGNRVRGMRVLSTGNKDQIPSIADKSSYKERSTNLPPTERGE
IILGIAIDPETSQRVVDGRPPSDQQKEVKTQVFLWGSKAQLRRFKDGAIVQAVVWDDDD
KDHQNEVRLQGGYINKIVRHIVRLHYTKKIEFALPNLISLVDGINSNNKQDAFTQLCNP
VLAHQHVMKAFESLSQFLRSQSQSYRQONQVFLDLPLSIDGVEPLSSCLRYSELPFPV
PHPFLLGSSSTPNKKVSGAIMSDPVLIIQIRFGASSKWPDLKAIGA AKTAMLIQIANAIE
GVNSRDFDGPVHTPNYLDLGYKGYCFRVLIRADPEIKMLQGLVRPSPVATSLKSLTRA
HVVAAKHSMIHAVHTLHP SAASVVR LAKRWVANHMLSGLIAPEAIELMVAKVYSDDETP
LETPTSTVTAGFVRFLHLLAYHDWLGEPLIVDPRGHIESVDCDEIHLQFEKARGKKGEAGH
PMYIIAPYDKLEIDEEDPMNQNTVKTNETSWQPNTISPEWVCLTRSVALAKRSYSFMMK
KLLIFGKSNDSWAI FHE SPASFSYSVLLRTNTEFVDMETSSTGKNLNPSPNEHGTLTT
SYTKSMKARIEGPKGLRRIYKNIQNNASDETILLWQPVQDVISLREKFGAYALFFYNE
LSPEVIGIVWRPQTIATMAFSAMTA EYARPFDDNEKSWKND SLVVRNAIDL LREMSEYYQ
YIITTVKI IDESCLGPSSKRRKLLVSDDKSEEKDNEDSLTE

>comp10213_c0_seq1; 754 714 3650 LEN=3650; translated
MTSKWIDSATALASFHYQSEVFEENRPI SFGDQDKDKTKRAPKGGNQR TAGSVGYLSEDI
LYSFTFYDDEASIDESSAATNSSRPQPVPPLAPPHSLSGSTSSGATTAVSSIGTRGTRGT
RGGSLVSQKSFVAVHTRQRYRSSKALVENNQDEESESSESIQSKRARSIFQRIFQWEGK
GKGKSKSKRLSSATAAEASLSPSDAADNNSNKAPAKALVSSLKQSGAIP TGSDRSSSSAP
NEMFTSAPMVPSFPKQGPCKMRSDPIRSKYARKSVSAEKLSSNSSAHSRHRRLPSTDIP
VHGVGGSVVKSFKNPSLAWQKRNTIAMPSTGLHPTATARSTTDPDYDIETMLLEEEKE
RKQETRRRQIEEMRRKFEQTGRRPSLQLLKRPSLIFQQFSDHNSDSNSSNSKI FTSTKSL
EILKGNNEPTTTTSQPSSAQ TDSNRDKPKNITGFSNLNKKLELFDLPSLHKDSARDTSE
RTETSNEPELNSEFPSTKPDQYASSPNIAIDPQSSKLFQPPVEKLNKTSFLFQEAHLYS
LISAVSMASLRNDMEGVSSPLVDYVPGQKFPVNPPEMQIKILVEDGRPEYDTEIEPEFD
QDIIGNNTKTCSSIRVKRNNNMLNVMFLFGFSRNSRQRTIYNASRPFQVLGGISDAEVE
MLRKVRGHAAQHALCCLWLKEFITREHLNGSTGKVHPPIVARVYQYISDGSTQYNNCRKT
ANTDFPFPHAQ LISFFGFVSI FMFPLL FYTYVNDTLLGVILNFFT VSCFFGILEVALELE
QPFIRYPNDLPLNNYQAQFNEALISSLYSGFHPDSWGEVVDNEGIFGTNNDSSGENRDT
VRNSSGSI INKSTVHYSSGGLTSSGGIIRTCKTRRKHKPSVVSFAISSGERDQGSRS
SSLSFAIPDGQSERSTGSAVRFAIPDGQTERSD EGSLLSFALPGDSERSRGSVMVRFSSPD
GESKRSTGSTVRFVAVPGGE

>comp10214_c0_seq1; 728 82 1440 LEN=1828; translated
MRKISHFLMALCMLAVERSASSSSSPVPASKRNVNDLSRWASEQGVVMHESLRWKQAA
NEDDDGNDNIGVELTEPVEPGTVLLKVP RSIVFDAGRIRSELEAESPEKVGAALARLRS
DGFEQHAEGFFIFAKVLRCCLEGE S SAWAPYIQSLPRNFVEFSSAEKSCLPYAKYIADY
QEEKLASFC EA AFGSLVSEAPGSSEQARFAFC AVSSRFWKTSSTEEGTAALMKGMGDSS
SSPTTKQPTSELVVPVDMFNHREPPNVAIAHEGDDYVSFVYKNTSGDEDNLDLYITYGQ
PSNPHRFLGVFGFVPVADMPNLW SHLVYVDNPF TENVEAMTFRTSDGHI PKQVWDAVLYA
LLEPKHPPGEPPEFTEEQHTKYRSY TADILKGHIEKQLEELATLKKKI QMVEAIGSSNG
NIGLVRQHNEFLSGVF EKA AKQVGGDPQEERT

>comp10215_c0_seq1; 377 232 1677 LEN=1707; translated
MKFLYLLCTLVLIGLCAVEGRFGANQIGQSLPALNYRTFQSGDRNNPAFWGTARTHGPTN
RRSHPDDCARTEVRSVARTIQSDVRGGSAAA AKAVRTMTARRMESLKKFRAQAPRQFPFG
GTWTAIAPRQAHLRRI GVENHFYEMGFFGWPCPGSVEILGGKSPPVSSLTNRLFFXLFA
SILHDSKRLLSGGMAGTVAACITNPLEVVK TQLQSSNSAKSNPSQIAKKILDADGIPGF
RGLPPTLVGIIPSR SAYFYAYQKMTFLNPTLPEGSPANAMIAGFSAGIVGNTLTNP IWM
VRTRMQILVDASAGQKQYAGYADAI RTIFQEEGLGGFYKGITASYWGCFEGATQFI IYEQ
LKSKLITRQNKRAEQGLRPSQELSKGTYFWAAACSKAIAAVATYPHEVARTRMREQARA
GVFKYQNGMWGCLSVMAKEEGFNLSYSGMGVHLMKVVPNSALMFLTYEIVRGWLD RYEVV
G

>comp10215_c0_seq2; 418 232 1434 LEN=1464; translated
MKFLYLLCTLVLIGLCAVEGRFGANQIGQSLPALNYRTFQSGDRNNPAFWGTARTHGPTN
RRSHPDDCARTEVRSVARTIQSDVRGGSAAA AKAVRTMTARRMESLKKLSSGMAGTVAAC
ITNPLEVVK TQLQSSNSAKSNPSQIAKKILDADGIPGFWRGLPPTLVGIIPSR SAYFYAY
QKMTFLNPTLPEGSPANAMIAGFSAGIVGNTLTNP IWMVRTRMQILVDASAGQKQYAGY
ADAI RTIFQEEGLGGFYKGITASYWGCFEGATQFI IYEQLKSKLITRQNKRAEQGLRPS
QELSKGTYFWAAACSKAIAAVATYPHEVARTRMREQARAGVFKYQNGMWGCLSVMAKEEG
FNLSYSGMGVHLMKVVPNSALMFLTYEIVRGWLD RYEVV
G

>comp10216_c0_seq1; 344 188 1084 LEN=1727; translated

MKGLSAPMLMLALLLGSKNYLRAANAFGLGAFDLLQNAPSWTDADAIGSATEAARAHAVS
FWSSSQSLAAIDFSDTDFGPPSGSSNQVLTEADLWTLRIGSAMATYFGFVAVNDRPRGGL
ALPLDPSDDECCLRVQQSNVPGAGLGLFANQNLPKGTILGTYPGVLLPLQQHSAASKIRD
HPECLAYIWRFTDNEFVIDPTLSSDGSLEPYCSGGNPSQPLSVPPFALLRILGVLPKTST
ALCRINEPPLGGDVNVATEEDLAGRTVTFLLERNVYAGEELYIDYGLTYDRSRYTASR
>comp10217_c0_seq1; 929 148 2757 LEN=3133; translated
MRTVNIPILALVSSAIPESSEAFVTSRRATTSKNNASPVHLGESRNGASPSPHVQERKLL
LFASADREDGAIGSLEELSKILGMKVAELKADLKRHQQPISGLKKVLQERLLNFYRVSN
NEGSEGEVQAESMAAMDGDIDIDSHSENDSDGVEGDEDEEGETIMEAEEEEEDCDRDGDDD
RNLAWVNSKSRWKKKTFLLMEDVRKLVHSRDARARKKGPCKAKEALRRMQQWISLSPSSL
NSGDEQEATITFDQRSTLLKAYNLWIHALAKSGYDDAGNQAEIILNEMRRNASSGGPSPN
DVTIASVMDAHAHSASVSSSSSSGGAKAAEAFRLFRLLEKHEANHNDIPWSDHGGDTLRDTL
VVTCDTMLNAWAREGTMASAEALTIILVRLLEDYQRQTQRQKKKSRKSIETEPSTKMRKT
RPISTYSTMNAWANVRTAEAAEKAEATLDNLVLRKADKKAEEKNDIVIQSKLVTIQPDT
ILFNSVIQCWAASRDIKSGKSLQLLEQMKELAGVGRGDSTDDDEIYFDTHPDIITYNTI
LSAWSHCGMKNAAPQAEKIVKELVAEQEERRERELGAGGGGPNVSAVVNTVTFNTVLDA
WSKSKLPGATDRAGKLLNYMIQSQDPHIVPDVFSFTCVMDTLAKSKEPSKASQTRELLDR
LIQMHQDALQNGGKRKADALRPTQIPYNTVLNACAFSALKTPEQERRDAIRIAVDIYRAM
SSRIDLASFRKNGSIVARDSVTYGLMLKCIANLMPKKGKVRSQMALQIFRDCLDDGLVG
FMAWNEVRRAPVSKI IQQEFGFKRQIGQLESKDLPREWTKHCKTNKKFDKQRQREQSARH
KKTSEPKKKEQPAKAFIERSFATGKDM
>comp10218_c0_seq1; 576 249 1822 LEN=1822; translated
MGAINIPKKPEEVPEAAQGNPVYEQTRQDMPLFCCKGKNCGRNTRITVFLGLIAVSCSFV
VCFSSNYFTFVSLRNDTFYDEEKTQPHPFYAVEANVGFFRYEILEVFEYPPPKDQREL
FDAMHDRELERLAANDETYDFKDEQVSSNSAIVKKIRRIQDEFPPDDFNDQTPSKEHVQ
LAVSDEQSPNEEESSNSANSNESRRMQNKFPADFYDDDIILSFNQISSFIGDDDFSDNP
SQNTTDAMGNSTYQKDAMDIVLPKSPTFAPLSGIPIELVPDVIIPGSAVSRPLTSSPTTA
PTISDPNLKIDVQVGVVLPYPPGSDHFDYSYFQNGQTGAFWAPITALIGLFFGMLEFCCCV
YKCSWLPTALFLYAAFMLQLMTIMMFLTEDFCDYTQDCVLGTSGYLSVVAVLLYMVCQSL
ICMTPRPPPLFDPLKLRKSKRKKDKKQHNEWDETQALAENEGGFAGDGPDSFADEDE
DAFYNPDRVYDDDDHYYERDDNDYGYDDGYDGGYGDDEVYEGX
>comp10218_c0_seq3; 302 265 572 LEN=572; translated
MTPRPPPLFDPLKLRKSKRKKDKKQHNEWDETQALAENEGGFAGDGPDSFADEDEDA
FYNPDRVYDDDDHYYERDDNDYGYDDGYDGGYGDDEVYEGX
>comp10219_c0_seq1; 87 336 464 LEN=464; translated
MRPMRMMNNPNKPKPNPDKPKPKPKPKPKPNPDKPDR
>comp10219_c0_seq3; 87 510 638 LEN=638; translated
MRPMRMMNNPNKPKPNPDKPKPKPKPKPKPKPNPDKPDR
>comp10220_c0_seq1; 193 1 735 LEN=735; translated
XRVLFRSAPPSPVAPALGGLGSYNPPSPTVPPVSSSSQPSLRDTPAPTETSFPFSIAPSD
RPNQSDDGYPTRKPVELTDFPTWSPTTFVPTVSAHPSIDYPFYINHDSSEGRFFRPSGG
GFFDEDPITPVSSVSSQVGYNRPGSSSSLSGSTPAPASANRNPQNNPGNNQSANRPGSGY
ALIQDPTSAPIRQPQGNIPATSFERPGSAGSSTGTDGALRTPTLRPTAQSIIVAPRPLPVS
GVGIPX
>comp10220_c0_seq2; 493 141 2042 LEN=2042; translated
MLTFRNRKQLLLITITLVALINIPISICCLHMDVDISRDKNNLNXDLEKRRDLKSDKDK
PKKSKAKSSKESKSSKNGKSKITKEKPKSNNEKESAESKSKENVESRSIVSSTLGARNS
INRGN SVTFDSIPTAPPVSPGVNAPGVDRGSSPLGGGTPVPTSENRPQNNPANNOFANR
PGTTFDRPTPAPIRQFNPDLPYLGGSI PRPGSYPATENTSGGVIRAPTLRPTYRRYPT
TPPADAPVVTIPVGRPGSYLNPNTDSPTGYPSESPSNGPSERPTFRPTGMPTPKSKTPT
KPPTLKPTRAPITDEPTMNP TVSPGPTVSPTPQPTAYPTRAPTKTPTTAPSSAPTSAPSS
YAGTLVRPGSGTGTTFGRLTSPPTKAPVPMVVPVAPPSPVAPALGGLGSYNPPSPTV
PPVSSSSQPSLRDTPAPTETSFPFSIAPSDRPNQSDDGYPTRKPVELTDFPTWSPTTFVP
TVSAHPSIDYPFYINHDSSEGRFFRPSGGGFFDEDPITPVSSVSSQVGYNRPGSSSSLSGS
STPAPASANRNPQNNPGNNQSANRPGSGYALI QDPTSAPIRQPQGNIPATSFERPGSAGS
STGTDGALRTPTLRPTAQSIIVAPRPLPVS GVGIPX
>comp10220_c0_seq3; 182 1 1267 LEN=1322; translated
DVCSSDXAPPSPVAPALGGLGSYNPPSPTVPPVSSSSQPSLRDTPAPTETSFPFSIAPSD
RPNQSDDGYPTRKPVELTDFPTWSPTTFVPTVSAHPSIDYPFYINQSEESRYIGRPIGS
GFSALESLEGT PASKPTGSASSPSEINRGSSTSGSLGGGTQAPTAVNRNPLQNPANNHN

ASRPGTGTGFGTPTPAPIRQYTAAPNSPQTTNLNAVHRPLFDEAEVEEVEGGALRAPTLRP
TYRHYPTRPPVNAAGVVFVSELDRPDTYLAVGSSAPSNAPSMPPSEAPSEPTQKPTTSKP
SQKPTGPPTLMPTRAPITPEPTVSPPTVSPAPTKSPSSGPTESPSGAPSTLAPTPEPTAVP
TFRSTLVRPGTGLGFPTGTPSSLPSDGPSPMLPSDXPDGVI GEGPHLLSHDLSNNLVAN
DG

>comp10220_c0_seq4; 508 141 2629 LEN=2629; translated
MLTFRNRKQLLLITITALVALINIPISICCLHMDVDISRGDKNLNLDLEKRRDLKSDKKD
PKKSKAKSSKESKSSKNGKSKITKEKPKSNNEKESAESKSKENVESRSIVSSTLGARNS
INRGNVTFDSIPTAPPVESPGVNAPGVDRGSSPLGGGTPVPTSENRPQNNPANNQFANR
PGGTTFDRPTPAPIRQFNNDPLPYLGGSI PRPGSPATENTSGGVIRAPTLRPTYRRYPT
TPPADAPVVTIPVGRPGSYLNPNTDSPTGYPSESPNGPSEPTFRPTGMPTPKPSKTPT
KPPTLKPTRAPITDEPTMNPVSPGPTVSPPTQPTAYPTRAPTKTPTTAPSSAPTSAPSS
YAGTLVRPGGSGTGTGFGRLTSPPTKAPVPMVVPVAPPSPVAPALGGLGSYNPPSPTV
PPVSSSSQPSLRDTPAPTETSFPSIAPSDRPNQSDDGYPTRKPVELTDFPTWSPTTFVP
TVSAHPSIDYPFYINQSEESRYIGRPIGSGFSALESLEGTPASKPTGSASSPSEINRGS
STSGSLGGGTQAPTAVNRNPLQNPANNHNASRPGTGTGFGTPTPAPIRQYTAAPNSPQTT
NLNAVHRPLFDEAEVEEVEGGALRAPTLRPTYRHYPTRPPVNAAGVVFVSELDRPDTYLAVG
SSAPSNAPSMPPSEAPSEPTQKPTTSKPSQKPTGPPTLMPTRAPITPEPTVSPPTVSPAP
TKSPSSGPTESPSGAPSTLAPTPEPTAVPTTFRSTLVRPGTGLGFPTGTPSSLPSDGPSP
MPSDIPTESLAKDLPTFYPTIYPTTWWPTTAEMGRKEKTGRRISNDDLEX

>comp10221_c0_seq1; 346 322 1117 LEN=1447; translated
MAPNDNAFPCCACSHGRFGLALLIAVSQLLLSTALVAPPALSLVGPAAARNRASTPLRMG
ADPPLSDGKSTEARQLERAKAALATSRAKMEAQERAGEEADADDGETPKESLPFFAAA
ALDGGKDRVIKDKNEDGLFTTDGDLMAKLSEEEQWESRPLTQVFQDEIEKSPEAMNIDR
DIGQSMYNLRKTLQTEDFTTIFDKGTGSSVRHRECEQRTATAMKSGMDVVGTGGSSKSMR
SLPVDGAVLFFGVCAEAGANVGCH

>comp10222_c0_seq1; 82 106 547 LEN=547; minus strand; translated
MPLGKSSIGPPVRCCRFLRPLLAGLVRSFVCSLLALPERVHQFSRLVQLPDDVQELHDL
GKAAPGVRREALHEEHGVPADQGRQPVVQGLGSACAGLGFRAAEVPPVQEGSLGGGFLH
NVEAPHQLAPDVLWVHAWVRHGRTKASX

>comp10222_c0_seq2; 128 106 694 LEN=694; minus strand; translated
MPLGKSSIGPPVRCCRFLRPLLAGLVRSFVCSLLALPERVHQFSRLVQLPDDVQAPDQVP
VHVELRKGRPVAEFLEPLPDGIVAENVKGVVRDPTAVVLDLDRVQELHDLPGKAAPGVRREA
LHEEHGVPADQGRQPVVQGLGSACAGLGFRAAEVPPVQEGSLGGGFLHNVEAPHQLAPD
VLWVHAWVRHGRTKASX

>comp10222_c0_seq3; 489 205 1359 LEN=1560; translated
MSSPPSSLAVVRSAADLGEQCAGSAASA AVLLFGADWHEACPMLLETVLGALAPSYRPDSS
SSSSGAASMLFGTVDAEAAAADLSESYGVTMVPTVLLLLPSGSGAFGVVSRLEGEDLANP
SALTLAVQRLAKAASAGGGTGS GGAPPALTETTGS GAALGPGEDLDARLEKLV RMDTVVL
FMKGTDPKPRCGFSRQAVELLADQKISTYASFDILADEAVRQGLKKYS DWPTYQIYVRG
ELMGGLDIMKETA AEGSLDDWDLRGPETEAGASASESLNDR LAALVRRHPVMLFMKGLP
SNPRCGFSRQIVELLDSIQDDGGGISYDSFDILGDDSVRQGLKEFS DWPTFPQLYVNGDL
IGGLDIVRELHESGELVDTLREGQ

>comp10222_c0_seq4; 445 205 1212 LEN=1413; translated
MSSPPSSLAVVRSAADLGEQCAGSAASA AVLLFGADWHEACPMLLETVLGALAPSYRPDSS
SSSSGAASMLFGTVDAEAAAADLSESYGVTMVPTVLLLLPSGSGAFGVVSRLEGEDLANP
SALTLAVQRLAKAASAGGGTGS GGAPPALTETTGS GAALGPGEDLDARLEKLV RMDTVVL
FMKGTDPKPRCGFSRQAVELLADQKISTYASFDILADEAVRQGLKKYS DWPTYQIYVRG
ELMGGLDIMKETA AEGSLDDWDLRGPETEAGASASESLNDR LAALVRRHPVMLFMKGLP
SNPRCGFSRQIVELLDIVRELHESGELVDTLREGQ

>comp10223_c0_seq1; 172 266 547 LEN=721; translated
MLHTAFKQATRLALRNSRHRWASTTTPAFVRAKRASAQKGNFGKTWLSDPATYPIIAVMG
GALALLLGVSGSCLLYNPDVQINANKRGSILRE

>comp10225_c0_seq1; 746 159 2313 LEN=2483; translated
MRIQASSIAGVLLVLTIAATTKARKTDTDEKGGKQSPDFDDGKNDNEGSCGLYMATSSTS
IPSDHKWGVYAGKDIPANSPVGFGLAIHTFHLMANNIWLDEEEIHDLDENELANVVD
WFEQFVWVPHSSGGQFEIEDTEYGAKVVS AVPGIGVVGYNPKLTNADWNHSSAYHREAW
NEYPGEAHPGRGAYSNYNLEVASTEVI PAGREIFLQFGDNWDEESGEKEKEMLTKKDYE
KVDQTV EKMIQFFEKHDSNLDEDSRQKIYNFLREDVMVAAAGEDKASQIKNMLPEDSNEL
KELLENGGSFALKAPGAIRSLEWLETNGLCMDMIKPGPSTIPYAGRGAFANRDIKEGTLV

APVPLIQIPDEAILDMYEVD SILYNSEEVEEDETVEPDYIWHRDSDEKTAIQLLMNYMYG
HPKSKMLFFPVGAVANYINHAPSKEKINAKMVVSDHPQNQIDWLDEVLPFNAMGRMLIE
IVATKDIKEGEEGMIEGSILQPFQNVLVCLPRKAQIDVVFVSVLYHNLVFDYDGKEWQDA
WDRHVEDWNQNKEDSWPTRALDLNQEHTKPFRTIEEEAYPENVMIKCFLMVKKADGEQK
VDSEGRKTREWSESETGKSNLVSNNLFDCEIIAHRETSTGHSYDILWDSGKSKTVVTSVP
HKAIVFLDRPGESDQNIWNSFRHYISMGDIFPDLWMNGFYEDDEEENAHDSNDEGEL
>comp10225_c0_seq2; 496 199 1657 LEN=1827; translated
MLTKKDYEKVDQTVKMIQFFFEKHDSNLDEDSRQKIYNFLREDVMVAAAGEDKASQIKNM
LPEDSNELKELLENGGSFALKAPGAIRSLEWLETNGLCMDMIKPGPSTIPYAGRGAFANR
DIKEGTLVAPVPLIQIPDEAILDMYEVD SILYNSEEVEEDETVEPDYIWHRDSDEKTAIQ
LLMNYMYGHPKSKMLFFPVGAVANYINHAPSKEKINAKMVVSDHPQNQIDWLDEVLPFN
AMGRMLIEIVATKDIKEGEEGMIEGSILQPFQNVLVCLPRKAQIDVVFVSVLYHNLVFDY
DGKEWQDAWDRHVEDWNQNKEDSWPTRALDLNQEHTKPFRTIEEEAYPENVMIKCFLMV
KKADGEQKVDSEGRKTREWSESETGKSNLVSNNLFDCEIIAHRETSTGHSYDILWDSGKS
KTVVTSVPHKAIVFLDRPGESDQNIWNSFRHYISMGDIFPDLWMNGFYEDDEEENAHDSN
DEGEL
>comp10225_c0_seq3; 533 199 1548 LEN=1718; translated
MLTKKDYEKVDQTVKMIQFFFEKHDSNLDEDSRQKIYNFLREDVMVAAAGEDKASQIKNM
LPEDSNELKELLENGGSFALKAPGAIRSLEWLETNGLCMDMIKPGPSTIPYAGRGAFANR
DIKEGTLVAPVPLIQIPDEAILDMYEVD SILYNSEEVEEDETVEPDYIWHRDSDEKTAIQ
LLMNYMYGHPKSKMLFFPVGAVANYINHAPSKEKINAKMVVSDHPQNQIDWLDEVLPFN
AMGRMLIEIVATKDIKEGEEVFIDYDGKEWQDAWDRHVEDWNQNKEDSWPTRALDLNQEHT
TKPFRTIEEEAYPENVMIKCFLMVKKADGEQKVDSEGRKTREWSESETGKSNLVSNNLFD
CEIIAHRETSTGHSYDILWDSGKSKTVVTSVPHKAIVFLDRPGESDQNIWNSFRHYISMG
DIFPDLWMNGFYEDDEEENAHDSNDEGEL
>comp10225_c0_seq4; 783 159 2204 LEN=2374; translated
MRIQASSIAGVLLVLTIAATTKARKTDTDKEGGRQKSPDFDDGKNDNEGSCGLYMATSSTS
IPSDHKWGVYAGKDI PANSVPVGFGLAIHTFHLMANNIWLDEEEEIHDDLDENELANVVD
WFEQFVWVPHSSGGQFEIEDTEYGAKVVSAPVGI GVVGGYNPKLTNADWNHSSAYHREAW
NEYPGEAHPGRGAYSNYNLEVASTEVI PAGREIFLQFGDNWDEESGEKEKEMLTKKDYE
KVDQTVKMIQFFFEKHDSNLDEDSRQKIYNFLREDVMVAAAGEDKASQIKNMLPEDSNEL
KELLENGGSFALKAPGAIRSLEWLETNGLCMDMIKPGPSTIPYAGRGAFANRDIKEGTLV
APVPLIQIPDEAILDMYEVD SILYNSEEVEEDETVEPDYIWHRDSDEKTAIQLLMNYMYG
HPKSKMLFFPVGAVANYINHAPSKEKINAKMVVSDHPQNQIDWLDEVLPFNAMGRMLIE
IVATKDIKEGEEVFIDYDGKEWQDAWDRHVEDWNQNKEDSWPTRALDLNQEHTKPFRTIE
EEAYPENVMIKCFLMVKKADGEQKVDSEGRKTREWSESETGKSNLVSNNLFDCEIIAHRE
TSTGHSYDILWDSGKSKTVVTSVPHKAIVFLDRPGESDQNIWNSFRHYISMGDIFPDLWM
NGFYEDDEEENAHDSNDEGEL
>comp10225_c1_seq1; 597 134 1885 LEN=1985; translated
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>comp10227_c0_seq1; 342 308 1336 LEN=1445; translated
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>comp10228_c0_seq1; 726 14 2811 LEN=2811; translated
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>comp10229_c0_seq2; 458 965 2144 LEN=2418; minus strand; translated
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>comp10229_c0_seq3; 458 1076 2255 LEN=2529; minus strand; translated
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>comp10230_c0_seq1; 111 1 666 LEN=797; translated
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>comp10230_c0_seq2; 97 1 471 LEN=892; translated
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>comp10230_c0_seq3; 676 1 2847 LEN=2975; translated
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SFESYMEFRISKSSSNLDATGSSSLASSXENGLRLL EEEEEERTNVAEWKQQQESIQAR
KNGNHRRRLPQPQQIQRGPTNTSPEPKDNTEEAGAETGSGGERDFRGATSSSVSATGQ
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HRSLATVTGAEVVVVQGAGSCSELHLMGDIVNLP IVRRLKCPWFLVANDENGGVFAQVV
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>comp10230_c0_seq4; 642 1 2649 LEN=3070; translated
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>comp10232_c0_seq1; 268 1 1186 LEN=1186; translated
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>comp10233_c0_seq4; 254 67 1215 LEN=1308; translated
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PVATGVNAEPIVEYTGGRVDDTKFWHMLVNHIVSIVGWETDDETGDVYWI VRNSWGQYWG
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>comp10233_c0_seq5; 226 217 744 LEN=837; translated
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LVNHIVSIVGWETDDETGDVYWI VRNSWGQYWGEMGYFRILAGHNSLGIEMDVAWATPGQ
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LNDGNVIDYGLSVWAAGNGPLPLTLQLVEKLGDKQSEEQNVARGRLVTDAMWRAKGSNGS
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SADSVSRASSKESKAKKKKRKNQREEEEDQHDVPVSPSIADSEGQSYSVMDEWQSQT
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YNPMPGEEGEDDESYSINIADDGSSFTTFTQTMEDQRGLQYPPMETLREETDEDQTVDNS
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FVVQQSFADRIEIVLTAIESYGDTEKYLMLPGFLLAIGSLVVIAMLGVVLAWRERSSA
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FHQHQNDITYVSPYPPSQKQIRAAEKKRNEQTEAQRKQQRLYVPILPESINHQTRKQKSR
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SSSRYP
PSIQEADGDD
LSSQTSISYEVVHEEHREGEDEENGFD
RGIDGNSGESSNSKSNNEQSTLTTQKSS
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>comp10246_c0_seq1; 771 82 1254 LEN=1402; translated
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SGADGESV
>comp10248_c0_seq1; 179 206 503 LEN=503; translated
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WPSQF
KYLFLDFILLKIYALEENRPDKACWEC
DPPLAPTHNETFYRSIQKEGDNINEARMVEM
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GPYKDTQALYVTKYGNLNDNVIRIRYTGIL
NKPPTPSFDYEIDGDASVTFDASNTTDAEDD
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PGEYQVTLAVTDTSGQKQVSKTVKIGTVPS
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SIISSPPPNATFGVGKVLRLKGEAFDFLGN
LIPDDKLTWEVRQHHANHFHPFLDHTRGNDL
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LTAEDEYGLTETVSVDVQPNIMVNVTTQPS
GLKVVD
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IYQKDGDPMPQVRAI
FCADLGTQCKINEDCCSGYCSEGVN
VCAPASMMPPVSEPTPQTFLRPTYVEVP
DPPPS
DLEIDVFSPPSDSRIPPLEIDPKPHIAG
ESSTSENSGISIGLLSDSSTNLDD
EGSMYST
ITWVLALLVVLVGMGFGCCVWKR
YTQIKNKDHVGLATKCKHQKRYDY
ESEGAGSNTGVD
EYYDDEDIKVTDTGSTEES
EDLCNETASPLSQSSQLDQNNISL
SFLVTEHITSGVNF
CID
DVENQASVAIGATVPLVDPST
SQSYLMPPLSPASSVENSMSNDSSE
IEKGNIE
TGQMLKY
LQFDAASTLQSSLVPPP
LPDADEQSFKGTQVQSSPALSPASSV
DNSR
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KTGQMLEYRFDAASTSQSSLA
>comp10249_c0_seq2; 878 80 2859 LEN=2859; translated
MAFGNDGKLYITMGDAGKRKNADPLDNVHGSII
RLNEDGSVPDDNPYTKTSGYENSYRCA
DTEGRVPTDAPNDSVCAEVWANGLRNPFR
IDMDPNV
KDKVRFSGVVGQAQHMEALYGGT
DYKGTNYGWPKYEGVCRPGDMGDCNPLDD
DP
TLTMPFHWEYEHISYNDGGCIGGQAHVPE
GI
WPSQF
KYLFLDFILLKIYALEENRPDKACWEC
DPPLAPTHNETFYRSIQKEGDNINEAR
MVEMWF
GPYKDTQALYVTKYGNLNDNVIRIRYTGIL
NKPPTPSFDYEIDGDASVTFDASNT
TDAEDDQLTYTWFDFGDETEVVVVDEK
HASHQYSE
PGEYQVTLAVTDTSGQKQVSKTVKIGTV
PSV
SIISSPPPNATFGVGKVLRLKGEAFDFLGN
LIPDDKLTWEVRQHHANHFHPFLDH
TRGNDL
RLYAAPEPEDFFAATNSFLKVI
LTAEDEYGLTETVSVDVQPNIMVNVTTQ
PSG
LKVVD
DYDIDAPQLITSWKGFKL
PVSADQPPYIFKKWSDDRTARTRVFP
IYQKDGDP

PQVRAIFCADLGTQCKINEDCCSGYCSEGVNNVCAPASMMPFPVSEPTPQTFLRPTYVEV
PDPFPPSDLEIDVFSPPSDSRIPPLEIDPKPHIAGESSTSENSGISIGLLSDSDSTNLDDE
GSMYSTITWVLLALLVVLVGMGFCCVWKRYTQIKNKDHVGLATKCKHQKRYDYDYSEGAG
SNTGVDEYYDDEDIKVTDTGSTEESEDLNETASPLSQSSQLDQNNISLSFLVTEHITSG
VNFCDIDVENQASVAIGATVPLVDPSTSSQSYLMPPLSPASSVENSMSNDSSEIEKGNIE
GQMLKYLQFDAASTLQSSLVPPPPLPDADEQSFKGTQVQSSPALS PASSVDNSRSNGSGEI
EDGNILKTGQMLEYRFDAASTSQSSLA

>comp10249_c0_seq3; 200 205 729 LEN=804; translated
MIQVTKCRARAFCALLLLRSIAVSLAGVLHDGFI SEVVVTSTKAMSGTFLPNPRNGDKPMM
ILNSKNGQIYVLENPDESPDSIEIMDLSDGSKLCNNGERGLHTVIPSPEFTKNRHVFAFF
TLFREDCLEDPQDGNVVMRFTMDPETLMLDYDEGALIFRGASGNVICLVQTE

>comp10250_c0_seq1; 243 231 914 LEN=1584; translated
MVNVLTIALGVLAAPAALAFIPVRSVSPAKSNQGMFQLQSSTDEDSVGNVHGQKSCFLP
LKQLDQDYAPRIVQIAGAYPGLSRTDYDAVTSEGTPPEGQWSYDFSDPDGPQLGTVAIE
SSNVVACCEDPVVIAEAHTALNVPLPEVLKDPVDIVVLVDRAAKRFAERRFLVLDVPGKG
LVIGAFPTKQELPQEAIEIIGQVVLCQVPWLPCMKTGTGFLEADYF

>comp10251_c0_seq1; 89 245 1480 LEN=1916; translated
MPPTQFQLGQRMPLYLSLGAALS VFGLLGEYVESYHTLWIPYAVFFFFHMIGLNITYAMMI
ALIPDQVPTSQTGIANGILAFMLVTGSLAGFSYFHLYSNGIIQEMYGLYICIVVLTILT
GLYAHDKDVRVFMERREISRSFRRRERADSLAKNHPITRSQRRRRRRRLILGPFVLLKNM
LYDPIVALDKHTLAATYTDVKNHDFFI VTVSRLFYYCGSSVQTFFLYFVHDIIGVRDN
PEATVATLAVVSQ MAGALVCYPVGWISDRFCGRRKPFVYVACTLLGTITLVMVFAETIE
RMTLLCFCFGAANGAYLTMETSLAIDTLPTDYDIGPSGGNAQLLGIWVAAFLGSAIGPM
VGGPVLYLFGSSTTEADQDYTIEGYAVLLSLSTVYFLLSAISLRWVQKSSV

>comp10251_c0_seq2; 2 1 941 LEN=1377; translated
XQLYLPFPVFCRHKVLTTILTGLYAHDKDVRVFMERREISRSFRRRERADSLAKNHPIT
RSQRRRRRRRLILGPFVLLKNM LYDPIVALDKHTLAATYTDVKNHDFFI VTVSRLFYY
CGSSVQTFFLYFVHDIIGVRDNPEATVATLAVVSQ MAGALVCYPVGWISDRFCGRRKPF
VYVACTLLGTITLVMVFAETIERM TLLCFCFGAANGAYLTMETSLAIDTLPTDYDIGPSG
GNAQLLGIWVAAFLGSAIGPMVGGPVLYLFGSSTTEADQDYTIEGYAVLLSLSTVYFLL
SAISLRWVQKSSV

>comp10251_c0_seq3; 205 457 2148 LEN=2584; translated
MPLESNTNESTSLLLDDCIEGGDTPVNSKDS SSGNKNLWYGAGEQAI ESSGEDLDSSDT
SEENDLLRSCASKEREQELLP IWTIVSILSSAFAYGCIMTTFLITL PVE CERIEAQFP
SVPKSVSLGCFVAIAGFTQLISPLAGMLSDTYMPPTQFQLGQRMPLYLSLGAALS VFGLL
EYVESYHTLWIPYAVFFFFHMIGLNITYAMMI ALIPDQVPTSQTGIANGILAFMLVTGSL
AGFSYFHLYSNGIIQEMYGLYICIVVLTILTGLYAHDKDVRVFMERREISRSFRRRERA
DSLAKNHPITRSQRRRRRRRLILGPFVLLKNM LYDPIVALDKHTLAATYTDVKNHDFFI
VTVSRLFYYCGSSVQTFFLYFVHDIIGVRDNPEATVATLAVVSQ MAGALVCYPVGWIS
RFCGRRKPFVYVACTLLGTITLVMVFAETIERM TLLCFCFGAANGAYLTMETSLAIDTL
PTDYDIGPSGGNAQLLGIWVAAFLGSAIGPMVGGPVLYLFGSSTTEADQDYTIEGYAVL
LSLSTVYFLLSAISLRWVQKSSV

>comp10253_c0_seq1; 493 65 1551 LEN=1660; translated
MACICLMLTDFQIPYHXSTIFEDNLKKHILICPRAKEKKRQEKEPYFLENVNCGGYGRLD
VTEQVTPISQSKLGFEPGTSTWAQRIARRV LRAHQSI FRNDNTCDI SALT CQDIHDAIEV
KDL SRPEIDAGIEAGFLSHHVKSGGIQHTTQIASLIGHLKQMG LFD RQNEKENSASHSAV
ATDARDSSPSAQNSPLVILEMGAGRGMFGLAAAGVANVCGANTHFFMLDRAGARSKADK
AFRNIPKNVCTDKPYLKLGDGIDWCRLCCDVSHVNL PVV LHRDEKFKNAKIVVIAKHL CGA
GTDLALKAIEPIRQVTGCLFATCCHGVCDWKHYVGRDILRGVMEGEE SNDEASKVPSFG
PLEFDLLRRWSAATVATRGGKSKGT SNTMESLVVDNDMDHTNPI FENNRNHD AKNMETS I
SAVVERLDLSCTIQGLGRACQRLIDFGRSKYIDQIIFETKDDKTVVNKLNYYVNSDITPQ
NAFLQAYRKPQHAE

>comp10253_c0_seq2; 467 65 1545 LEN=1783; translated
MACICLMLTDFQIPYHXSTIFEDNLKKHILICPRAKEKKRQEKEPYFLENVNCGGYGRLD
VTEQVTPISQSKLGFEPGTSTWAQRIARRV LRAHQSI FRNDNTCDI SALT CQDIHDAIEV
KDL SRPEIDAGIEAGFLSHHVKSGGIQHTTQIASLIGHLKQMG LFD RQNEKENSASHSAV
ATDARDSSPSAQNSPLVILEMGAGRGMFGLAAAGVANVCGANTHFFMLDRAGARSKADK
AFRNIPKNVCTDKPYLKLGDGIDWCRLCCDVSHVNL PVV LHRDEKFKNAKIVVIAKHL CGA
GTDLALKAIEPIRQVTGCLFATCCHGVCDWKHYVGRDILRGVMEGEE SNDEASKVPSFG
PLEFDLLRRWSAATVATRGGKSKGT SNTMESLVVDNDMDHTNPI FENNRNHD AKNMETS I

SAVVERLDLSTIQGLGRACQRLIDFGRSKYIDQIIFETKDDKTVVNKLNYVNSDITPQ
NVSTRVIFVTVKR

>comp10253_c0_seq3; 472 1 1750 LEN=1859; translated
XKSSPIHSAQAPTVTSSSPKMRDITETDGREKKRQKKEGHPEPSGNWDRQCQFYVQRKKRF
CKQRPADGKKYCGNHQHLEEQDVSCSTVGKKKIRKRIPCPIDPSHTIFEDNLKKHILIC
PRAKEKKRQEKEPYFLENVNCGGYGRLDVTEQVTPISQSKLGFEPGTSTWAQRIARRVLR
AHQSIFRNDNTCDISALTCQDIHDAIEVKDLRPEIDAGIEAGFLSHHVKSGGIQHTTQI
ASLIGHLKQMGLFDRQNEKENSASHSAVATDARDSSPSAQNSPLVILEMGAGRGMFGLA
AAGVANVCGANTHFFMLDRAGARSKADKAFRNIPKNVCTDKPYLKLGDIDWCRLCCDVSH
VNLPVVLRDEKFKNAKIVVIAKHLGAGTDLALKAIEPIRQKVTGCLFATCCHGVCDWK
HYVGRDILRGVMEGEESENDEASKVPSFGPLEFDLLRRWSAATVATRGGKSKGTSNTMESL
VVDNDMDHTNPIFENNRNHDANKMETSISAVVERLDLSTIQGLGRACQRLIDFGRSKYI
DQIIFETKDDKTVVNKLNYVNSDITPQNAFLQAYRKPQHAEE

>comp10253_c0_seq4; 446 1 1744 LEN=1982; translated
XKSSPIHSAQAPTVTSSSPKMRDITETDGREKKRQKKEGHPEPSGNWDRQCQFYVQRKKRF
CKQRPADGKKYCGNHQHLEEQDVSCSTVGKKKIRKRIPCPIDPSHTIFEDNLKKHILIC
PRAKEKKRQEKEPYFLENVNCGGYGRLDVTEQVTPISQSKLGFEPGTSTWAQRIARRVLR
AHQSIFRNDNTCDISALTCQDIHDAIEVKDLRPEIDAGIEAGFLSHHVKSGGIQHTTQI
ASLIGHLKQMGLFDRQNEKENSASHSAVATDARDSSPSAQNSPLVILEMGAGRGMFGLA
AAGVANVCGANTHFFMLDRAGARSKADKAFRNIPKNVCTDKPYLKLGDIDWCRLCCDVSH
VNLPVVLRDEKFKNAKIVVIAKHLGAGTDLALKAIEPIRQKVTGCLFATCCHGVCDWK
HYVGRDILRGVMEGEESENDEASKVPSFGPLEFDLLRRWSAATVATRGGKSKGTSNTMESL
VVDNDMDHTNPIFENNRNHDANKMETSISAVVERLDLSTIQGLGRACQRLIDFGRSKYI
DQIIFETKDDKTVVNKLNYVNSDITPQNVSTRVIFVTVKR

>comp10254_c0_seq1; 614 428 2113 LEN=2475; translated
MIRNAKKRVRIASLYVGPATSNKDDCEETEFLGALSEIVNRNHANGGVSGVNSGDENSRV
SVKILLDENRALRPVPIVHPVDNDQANSKTTTSSAEAVARAIEGDSLSGKASSSSSLHLF
RVLPPTTIFGRNWLPNPVDEIAGVFHIKIYIVDDQLLLSGANLSREYFCDRMDRYLHLVD
GANGLVDFYAEVLEILCRHSNKYQLSAVSDDAIQNRRRNNDREIFLREITHHFQDSNPNS
ASVASTRDLFAREEKKQKIVAVAVPTFQAPAGYFRQKDAKKKSIAREFSVNWSTFWSLFR
IDQQPADKVNFTDIEATLNLREAGRLNRTNDGCRYSVQLSSAYLNPTTSLLSVVKGEF
RNVELLTAGKISHGFKPKKDKCEGSGQTDWTIPSVFDKLVDECMRFLRTTIPATGADTK
PICCTNARLFFWERPNWTFHAKGIWMTEKDREIESESEVAVVVGSNFGYRSFCRDME
SNLLLVPFPPTIDDGASPNNDKTLRIARISFGDEWKSLLSSSKPEVMDTDKNGAVRSEESA
EQPPPLPWPILKSIPYIKSFF

>comp10255_c0_seq1; 509 1 1592 LEN=1792; translated
XFLSIFLSLATGRQEHLDSLADHSAPVNLTAVGAI PMREDNTKLGAFALSSPTVADIDGD
GKAEVLMGTSMGFLYVVDARNLFPRDNFPVQLQYGIESRVLVEDVRGDTNLEIFVADVGG
NVLCLDHTGKKLWHRDLFSITNNKEKEHRGRSEVIGSSEMVLGDVNGDGILDVFLQQI
KSEGHGTTQYLYVLSADTGKDLLEGYPINLWTKAANYHRDNVGEDFAHAKLSPPLLVLDHE
DQSHIADYLNRRNGTRFARPKPSKEQSGKDRGGEDKVPHGTTAGGLHIVQPIDTFLVIVEG
GSGCTQSIIEGETINSMVQADDVHGTNKLDLVISTASGNVVTLES DAPFHPLNVWNHSEL
RSRTGSSSHGYSASQGI FVHEMSRRYRDI FGVYVPVTFQIFDNRPNIE NEPKRRYDVEV
RTGTSGLVVLKTYDAPGIYTERFYIPSGPGHYQVSVLLKTTHGLVYEDAFHIGYNNVYMN
GFSVLLWLPLTVATICVFLMGAKKHQSWEDDDYE GEGGK GILDGHAGLPD

>comp10255_c0_seq2; 540 1 1768 LEN=1968; translated
XPKLYSNKPGETERLLFLAVSYFDEDEYEGFFSYKRFEHSDHGDETTETQRGMYTASAIM
VFHFGDSPRWGRQEHLDSLADHSAPVNLTAVGAI PMREDNTKLGAFALSSPTVADIDGDG
KAEVLMGTSMGFLYVVDARNLFPRDNFPVQLQYGIESRVLVEDVRGDTNLEIFVADVGN
VLCLDHTGKKLWHRDLFSITNNKEKEHRGRSEVIGSSEMVLGDVNGDGILDVFLQQIK
SEGHGTTQYLYVLSADTGKDLLEGYPINLWTKAANYHRDNVGEDFAHAKLSPPLLVLDHED
QSHIADYLNRRNGTRFARPKPSKEQSGKDRGGEDKVPHGTTAGGLHIVQPIDTFLVIVEG
SGCTQSIIEGETINSMVQADDVHGTNKLDLVISTASGNVVTLES DAPFHPLNVWNHSEL
SRTGSSSHGYSASQGI FVHEMSRRYRDI FGVYVPVTFQIFDNRPNIE NEPKRRYDVEV
TGTSGLVVLKTYDAPGIYTERFYIPSGPGHYQVSVLLKTTHGLVYEDAFHIGYNNVYMN
FSVLLWLPLTVATICVFLMGAKKHQSWEDDDYE GEGGK GILDGHAGLPD

>comp10256_c0_seq1; 583 100 2280 LEN=2536; translated
MASSNNNHGTS SSKRKRGNLSKKEKGNKPRVAHSSLT SKTILQVLCWVILGIGGIVLIV
QRGSSPVILKAEERWRKEHQKQAFADDVMTPNTRNRNRNNQNSNKKNDKCKSSTEKQ
FTVSEEHWDPPDPRIAALLSEACKIEIVCHKSLKVVGRTLRATAPIEVDTKLYEIPRSMQ

IWDLDAYRDPFVRKHLFKAGHKISGNRMGTEAFLAAYLSLEIKRAKLNPSNFDPLTLLYF
DSLPTFEFEHYHPILEDKDLVRDMLGPRSMASHVQGYRNMVRSEYEGFAAGSSEFRNT
IPEDEYLRARLAVLTRALNVGPPGPEEVMPAAFVGDQDFRDQDLFLDELYSYYDLINVNLT
EAGGQGCIAMVPIADLFNHHPNNNIGLQYKRMETHAQTKQKSGRSFVSSSNRIIEPYSE
PMASYGVMADAHLYARYGFVNGDGSAGAIQLGLAFHHEMMKLNISNQYDIIPDTGTTAKFS
NYQREGLAKYLRYYDDGYPECISGPSTHPGEAELKQLKQLHLSIANEYDRWNVIRPPNP
KSLPAHSTDIPITKRVPDFPRHLSMLQGFQQLQETCRVISLINEDFDGNAVQVLKENVGN
LSFRIGNKVSDALEFRSFMCMRSRWFGRFVNMEVQGKIEFEYRRLSALNRNEYGSKNWTL
YHVRFGEMQALHAASGLLDFRVSLSWESKKKTTEPEYRMRDDTCPEEYLYLFRDDGLVP
DVLDLR

>comp10257_c0_seq1; 338 166 1077 LEN=1154; translated
MDAHGLAVSPSLLDVHVDTRRDEATQERRTAVTINSTDNDSGGEQISRRQPSRRKLESI
SPTRLKFRIGSQFLAIGTLLALFVSVHLAPPTTKTLKDVGRDGKARKNRPPPLYALGY
TTKFTTRKRQAMVNNPFLGQHRTIPAMTSHLQLQSKWRRPNAMTKPKTMPGAASGFALGMG
KDVPSPSELSTDNNGSSSSSLGYRWKRFVWLLTGSKESLSKPQWLSSSSPNASNAESEGQK
AKNNLLSKILPPWIFYLRPSVQLMVTLLLYLFHTVVLTQNALPFPVQLIPNDRGNFQSIG
LDS

>comp10257_c0_seq2; 555 166 2297 LEN=2404; translated
MDAHGLAVSPSLLDVHVDTRRDEATQERRTAVTINSTDNDSGGEQISRRQPSRRKLESI
SPTRLKFRIGSQFLAIGTLLALFVSVHLAPPTTKTLKDVGRDGKARKNRPPPLYALGY
TTKFTTRKRQAMVNNPFLGQHRTIPAMTSHLQLQSKWRRPNAMTKPKTMPGAASGFALGMG
KDVPSPSELSTDNNGSSSSSLGYRWKRFVWLLTGSKESLSKPQWLSSSSPNASNAESEGQK
AKNNLLSKILPPWIFYLRPSVQLMVTLLLYLFHTVVLTQNALPFPVQLIPNDRGNFQSIG
LDSLTMGTAFYQYLRRKPSNFFDLEVTQSSQSTTTETEIEQNTPDGIINSSDLTNAS
ENIMIYRNDTSNVTSTRTVTTTTTTTTTTTTTEIKASYLPDLFSAPHPKNMPWKNIWKSKYS
RVSSLSALVVLTKAYFLTGSVSLFWEDTLYGMATHLNWMTVGMHRSLSVLLGHLSWIAMG
ATVLRIFLRPQPFQEPESQWFSSFYKTAPKAPGPKMTRTVLGSNGYIYGNNSTTVTP
DQLLTSEKENNSASNHPQVWVWAIGGYFVSSWLFVNDLVNSYVFPPLAVLEQAEESSIVA
KLVNPEGQDILASLVGFIA XVFDGPLVGRDFVPGIPAADPGAVGTTAVLLVCDFSQRDSI
FDSPPERAGLFAALCAGMDLGDLSLHKVKEPLDNDCDLSLHVELPDLFGQLVW

>comp10258_c0_seq1; 319 1 426 LEN=1066; translated
ITLDVEPSDTIDNVKTKIQDKEGIPPDQQLIFAGKQLEDGRTLSDYNIQKESTLHLVLR
LRGGMQIFVKTLTGKTITLDVEPSDTIDNVKTKIQDKEGIPPDQQLIFAGKQLEDGRTL
SDYNIQKESTLHLVLRRLRGGL

>comp10258_c0_seq2; 189 128 375 LEN=375; translated
MQIFVKTLTGKTITLDVEPSDTIDNVKTKIQDKEGIPPDQQLIFAGKQLEDGRTLSDYN
IQKESTLHLVLRRLRGGMQIFVKT

>comp10259_c0_seq1; 159 140 355 LEN=720; translated
MHELWGVNTYRKQNKYLSTCSIMQAIKELPESDIKTECLELQRKLIKEYERLSAKYHTNK
VDNEDNSLVLG

>comp10259_c0_seq2; 273 245 910 LEN=1275; translated
MSFDALSRLLEGVEFSKNRPPLEATPEALLKMMKIIENDIIPLTEKGIETGSKMFGAAIL
DSDFNCIHSDTNAESQCPTFHAEVKCIVSWSEKTPAKDRGPIAQSTIFLATHEPCMMCIS
SIVWGGWNKCWYFFGYEATSAGQIPHINTMHELWGVNTYRKQNKYLSTCSIMQAIKELP
ESDIKTECLELQRKLIKEYERLSAKYHTNKVDNEDNSLVLG

>comp10260_c0_seq1; 271 989 2044 LEN=2055; translated
MPSEREDLLRSINFVDPNDARWVKNYQNLHRYQKEHGD TMVPLVDDDESPNYLGQVVAR
QRRFHHQNVLSRDRTKALNDIDFTWDPDAETWDKYYTQLCDFYQKHNHTRVPKTMGPLWN
WVDRQRRSYRKRRLGDSQKCDDET VSEGAVKSLITKENVQKLS SIGFEWEDTSPKVEAE
ERIKRLMNVTFELSIHDENWANHFENLCAFQREFKHFSIPTGSGKYKELHAWVRHTRYLY
NANKLPPNRIELLDGIGFPWTAGLAKWDRLYEDLVSFHKKHGHTNVPVKKIELHRWTKQQ
KARCGSMDEDCDLNKLQAEARAARIKRLGTLKKVFSGKEKNTNNNKEHTNT

>comp10261_c0_seq1; 329 115 858 LEN=997; translated
MNCLRNFVSNRRKRQHSAVCNVRRGLVLQHLLLSFLIVALSNFYAVDASYAISIEPQSEE
CFIFMTPSSINPFSAFSGSFEVLHDDVDSYELAVKVVNNDTGESMHEVPTGTQEGDFELN
DLKPNISKYSICFQNNAGEDDEENEFDVGFNLRFHNPRLDDAESGPDGERASQLIQKAA
QIDQEWFTLQDHFDFLRNREGIHFAMNNQIMTRLARWTYVESLLVVAMAVGQVMYWKRF
EKRRYI

>comp10261_c0_seq3; 237 709 1140 LEN=1279; translated
MHEVPTGTQEGDFELNDLKPNISKYSICFQNNAGEDDEENEFDVGFNLRFHNPRLDDAE

SGPDGERASQLIQKAAQIDQEWFTLQDHFDFLRNREGIHFAMNNQIMTRLARWTYVESLL
VVAMAVGQVMYWKRFEEKRYYI
>comp10262_c1_seq1; 450 1 1101 LEN=1144; translated
TSGPSARNTSSANSTTFANSTTFDGSEPFSSRSASSGTTGNDGLFSTATASGPSARNTFGG
GSELSFSTMASGSFSANSTTTTRGGEPEFGGQSSRKMSPFGRRQFASRQSPVVDKMSPPR
PRRVLNDNDLPPPTPWQTPARGRGDNDSPPPPVEPPAFRTSARGRGENDSPPPPVEPPA
FRTSMRRGGNNQMPPEAQQNDLTPSEAEETSPRVQPSAGTDREDNQNAQQSGTTREGNQT
STYNGMNNVTEVDDNLNALKPPPTPQRSFQTAPRGGMNNNFVDGEGNPNASPPRGKSNFD
ILLAAAIGESLKKRSEEMIKPEPEASESSRPVTRPAGKKQKCQHNTSDSIANYQHHDVWH
NNLNGE
>comp10262_c1_seq2; 579 151 1515 LEN=1515; translated
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KSWKFSRKNKYETLLQSYKVLPHYSHRYRDIPADNSDNEENEEDSSASETELP IRTPRRG
VSFHKKASPPTTSSHKKASPPTTRSASTAKETFEAEKTPQARENSKFIPSFQKVNKLNMA
RSSVSSMIRVDRHIDVNFQEPQKNGPWLFMLVHNCNVQESGAKMDKVVMTSFFNDGVDF
AKRYKVRVSDGSIYATSPYHPNFLMTNPAENFANCDSETISAHKSFATKLRDECRRE
DRVECIAYHLPQGYNVTTQYFNNINGSNLGPPDLGTDGLYVAHVKNFNTHTSWLLPPNHNN
PIHVLRLKGVPTSHNTLTIHLAITSTIVLVERPDVDGIHSAFQDAFYGLGGASNPPPPPPF
YRPPPPRPPAPAPPDGPASPSPSTPTSTASTTSSA
>comp10262_c1_seq3; 551 151 1389 LEN=1557; translated
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KSWKFSRKNKYETLLQSYKVLPHYSHRYRDIPADNSDNEENEEDSSASETELP IRTPRRG
VSFHKKASPPTTSSHKKASPPTTRSASTAKETFEAEKTPQARENSKFIPSFQKVNKLNMA
RSSVSSMIRVDRHIDVNFQEPQKNGPWLFMLVHNCNVQESGAKMDKVVMTSFFNDGVDF
AKRYKVRVSDGSIYATSPYHPNFLMTNPAENFANCDSETISAHKSFATKLRDECRRE
DRVECIAYHLPQGYNVTTQYFNNINGSNLGPPDLGTDGLYVAHVKNFNTHTSWLLPPNHNN
PIHVLRLKGVPTSHNTLTIHLAITSTIVLVERPDVDGIHSAFQDAFYGLGGTY
>comp10262_c1_seq4; 551 151 1389 LEN=1594; translated
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KSWKFSRKNKYETLLQSYKVLPHYSHRYRDIPADNSDNEENEEDSSASETELP IRTPRRG
VSFHKKASPPTTSSHKKASPPTTRSASTAKETFEAEKTPQARENSKFIPSFQKVNKLNMA
RSSVSSMIRVDRHIDVNFQEPQKNGPWLFMLVHNCNVQESGAKMDKVVMTSFFNDGVDF
AKRYKVRVSDGSIYATSPYHPNFLMTNPAENFANCDSETISAHKSFATKLRDECRRE
DRVECIAYHLPQGYNVTTQYFNNINGSNLGPPDLGTDGLYVAHVKNFNTHTSWLLPPNHNN
PIHVLRLKGVPTSHNTLTIHLAITSTIVLVERPDVDGIHSAFQDAFYGLGGTY
>comp10263_c0_seq1; 681 129 1879 LEN=2320; translated
MISGALNKSVSIDGDAKTTSFIPSKVWLGEKKGFFYFGTGNEGTGYVVDRIQQQESDSVPR
KRKKTVKIAEDQNEMKLLLEELEKKAEGSSILELSKKGVYAASKALANVYKQNIKRKVEY
SDQPGNYMDELALYEQITALQALATDTQVYRYIESSNLMATLIQLLAHENTD ICASVVS
LLEWIDPSLAAEDPSVLPPLGSAAMTMEVWERVVNLDRFRNDEESQDRNLKGVNDTL
ELMENILELDGLLAPNGVLGEYKSVHTAMVKDSTIVPWL FNTIEHEIEAQTGKEHLKAKC
LELLSLLSQDINVFSVLPDWSKLEATIKENTI SAKKRKMDQIVQIFPAFLNGQGVELVIR
CLKEKMHAGGSSLKLLDFFGDDKLFKSGAERLVIAGGLKYLFP IFIGTRIPKPDVRSRS
AKAKRWLAELKAQIRIFYALSFQLDAQSPKDAMSRFVAKFVEDDLKYCDRLVELLLVY
DERKRKAEYSFFRSDIEDVLDANQVTLASF EAKLNGGGD ICNRLAAITAFVCANSKRCH
RISLQLRMQQSGVSLIKDALNEFAASLESGRQKRHIESLSEQI
>comp10263_c0_seq2; 767 129 2003 LEN=2444; translated
MISGALNKSVSIDGDAKTTSFIPSKVWLGEKKGFFYFGTGNEGTGYVVDRIQQQESDSVPR
KRKKTVKIAEDQNEMKLLLEELEKKAEGSSILELSKKGVYAASKALANVYKQNIKRKVEY
SDQPGNYMDELALYEQITALQALATDTQVYRYIESSNLMATLIQLLAHENTD ICASVVS
LLEWIDPSLAAEDPSVLPPLGSAAMTMEVWERVVNLDRFRNDEESQDRNLKGVNDTL
ELMENILELDGLLAPNGVLGEYKSVHTAMVKDSTIVPWL FNTIEHEIEAQTGKEHLKAKC
LELLSLLSQDINVFSVLPDWSKLEATIKENTI SAKKRKMDQIDGVETLMQSI AVYRKKQP
NSDVDIEIILENSCITLSSCISFSTSNLSAFLNGQGVELVIRCLKEKMHAGGSSLKLLDF
GDDKLFKSGAERLVIAGGLKYLFP IFIGTRIPKPDVRSRS AKAKRWLAELKAQIRIF
YALSFQLDAQSPKDAMSRFVAKFVEDDLKYCDRLVELLLVYDERKRKAEYSFFRSDIEDV
LDANQVTLASF EAKLNGGGD ICNRLAAITAFVCANSKRCHERISLQLRMQQSGVSLIKDA
LNEFAASLESGRQKRHIESLSEQI
>comp10264_c0_seq1; 348 100 1023 LEN=1610; translated
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SNSNSNLTCLKLEHGYPVASGVQISNYRTDSLKDKARLEAVVRSVRRVSAECQQEEMEGCI
ACCAVALETWNDYDCQDEVDGFGNDSTAAGETPPSTIERNHNSDKTRNTKRYEWTGEP
LYDRKSCFVAHICEVHSEQEVKEALHQLLTSSSKIQRATHNMYAWRIAETVSDGDGTRVV
IKHDNDDDGESASGSKMAFLLDMRKDENVLVVVSRYGGVHLGPKRFAHIVNVARELLVK
YTSTNRE

>comp10265_c0_seq1; 466 90 2392 LEN=2452; translated
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QRENESVSPSHRAESILQHILERSTQPLDDGEAEDLSNIQTSLIDTWTTYQSSVIRDIK
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ANTCKIARTIGKSKAADVVGIPQRAQLILNAMGGSNENDDMISVEAYNEVIKAWAYSSEY
LRGSMAEHVFRRIKFPTEGSLRMIMRAHAWSKESRSASFQATGHFMRMRLLEAGRADMEP
SSINDYHILCDAWTVAGDRNSASKVYSVLQIMNNAYQRGHTEICPDLCYRDALITMSRR
QNVDDVGEVVDKTLRDMREQMIFPDTLCYRSAILAWKHIAMSQDCLHPEQAIQRTQELLQ
EMTEAYHRTTQILIQPTTEDYNNVLHAMALSKSKQKIVEDAQELFATLKEDASLTGGPDPQ
SYRYMLGIWRNSRSPNKVAHASQLLQEVKDHYKNNNTWRDSNFSKNLPWMLFQHLSGCAG
PPQMPQKPKPLNXERTRIMTVLRSLKDAKELDTPNSDTYMALVEACDHLLPVSGPE
RENVLENIFRRACEEGVNVQNLLEFFKSVASTHLYARVVVSESKVAEDIKIVPEAWTKNI
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>comp10266_c0_seq1; 398 401 1909 LEN=2043; translated
MTTNTSTNHNHGRSTGRCFASERARQPPRSHNSNRRLRDRNRSHRTISTLSSGSSFRSDY
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SDSEGGLKPVKLSQDGFNDRDSSALLIIRDALWALNSTADGSHGGSTNGRDSGAGRGRV
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LNQRRRPAEGVRPLARHKTRKARAARIPPPPPARTTPTPIAGEPLLPTXELAVGGLVV
VSLGLAVGLGLVPREHKTIPRAVPPGGLPSPAAALFLRAAPLPAGRRGGGPERSPGVLP
PEEPPPLPPCGPGGNQEPPELELEHEHEHEKHELEHKHEHEPSPSLGH PALHSPEAPVSGFA
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>comp10267_c0_seq1; 294 85 783 LEN=943; translated
MAATKMKSPFWIFQNNLLRVFRMIALVTAVQMSVLRFTFVASLAPPNTTTKDSTACSSRR
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DREGVDGRISRMKYRIELASSNTASASSASGDFFLYRFIKVKGSTAISSSRDDYIEFP
GAIFQCTGSSDRDRQGQCVSDFSAIGGPKDAKGFWDESEGGIRFFRDNKVW

>comp10268_c0_seq1; 141 1 534 LEN=1043; translated
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DLDRALRDAAAKASESDKKKGLVVLEFTAEWCTVCQKIAPFWRGLGSDAKVVSADRLVA
LYTIDVDASPDLTNSFGASGLPLFVFLVDGKKVDSLVAQQTALRKMVLKHASSSNK

>comp10268_c0_seq3; 207 1 534 LEN=853; translated
HFLTPHRTKSCSLVFSLPSSSRFDSIPSNLFPGMGGGGKSRGRRGANASPNPPVLSRE
DLDRALRDAAAKASESDKKKGLVVLEFTAEWCTVCQKIAPFWRGLGSDAKVVSADRLVA
LYTIDVDASPDLTNSFGASGLPLFVFLVDGKKVDSLVAQQTALRKMVLKHASSSNK

>comp10269_c0_seq1; 743 359 1681 LEN=1722; translated
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YQQFMADYIVKAQQQKLVQAAELATAQKYEAKIKLLLGAAGSGAAPATTAETTAPSAA
TKLYDTRSANVAAAAGKAGKSRWGDKEVAKVQISSKDAVVEVKAEAKANGASVSVPPPTQL
PGNTLFEGRNEQVAAAGKAGKSRWGDKEVAKVQISSKDAVVEVKAEAKANGASVSVPPPTQL
AVSNAVIEEADHGLRNDGGVGGPSLADRVNLGQQLFSGSEAVGASDGLATVASAAPSAYD
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DGGVGGPSLAERVNLGRKIV

>comp10270_c0_seq1; 492 1 2387 LEN=2732; translated
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LVHNLHVWDENAFSQUALGPPSGERFESQEQAIFEDGSIPVFNHVGHKNDSSRVLDIVS
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RCDYVQHLIDPFDFEERMNEFTTNTCTPKGRES CDGRLRFSAEHWIHSHPKVKPCDLYADP
KFVWDYDGIKNGIFDIQLAKAPRFDLIAVYKWLQCVNRGILIEHRLDEYWGELYQEKPDE
SWWGWTSLKRDRWLPTNKKKAALWRRRDVCRGVKSNETEKSRKIPSKTENYVSKENLN

SCPIGSRIEQGPGLSERTIGNNPPSINTKEIKGKKRRVLMMAAVPRNQKHLAVWSQLECF
FTIGIDHIVLAVPSWAKEVARQFIRVAKASIPSLINNETS IQVEHFTNDRYDVGLWCDVAV
SSLNVDDFDEFAPVNDVSVFAMRHFSEIFDALSLKNVSLTSLSYSYSPKFFEGDNDPKHFW
VESVYRGFTREGIDIFRRHSCLPANHPYFCPNQDDKKACIVNNFEHDLAMKYPCKVYGI
YPSDTPPEEFLKKNRFRRTWARNIPYWRKLVRHGGFPVAKVKEFSYRMILPQLAECTNYLNQ
EFAEFIDLSLAKSTT

>comp10271_c0_seq1; 876 227 2686 LEN=2824; translated
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PSASSIIHSAENSNYGQNGIDMDERNSSHYSYTNKHPLDPWLFSGEGNHDTPNNHNTPNNH
DSPTTYERGVESRLERERHFANLAVQWSDGVALSWKHSPARMALDWILDDDPMHLPTYGD
RFVVFQORYIAAVFYFATRQQQTAHEDLHDDSSSSGGSEDSAPFLANTDVCLWANSNGKS
GIFCDDEGNIVKLNFRDFLAGTLPRELGFSLGTSINLEGNDISGTVPSHYGLLVNLER
MGLEFNKITGTIPEELSNLALMELDLKHNLTGSLPADLLGLKYIESIEIASSALTGTI
PTVLSGSIKKLSLGGNNLSGNIPSELGILTKLWFLDFSHNDLTGTVPIELESASKSLEMAF
LNGNDFAGSIDVVFCSGHRIFEELVSDCKGSAPEVKCSCCTGCCDASGLNLCVLDHDPFSA
IDTDRPSPTPTRKSVGAQDASTGATASTSSAAQPAGTPSQEPLKELLSAVSERTLLEEK
HTDQFKAFMWMARMMDPSPVDVATTSRHDIMQKYIMVLFYISTGGKNWRHQNSFLTDVSLC
DWEGLTCNDEHKIVAIDLEDNHLNGTLASELALGAPSLQDLRLGGNALFGSVPSELGVLP
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>comp10271_c0_seq2; 299 1 1330 LEN=1468; translated
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GHRIFEELVSDCKGSAPEVKCSCCTGCCDASGLNLCVLDHDPFSAIDTDRPSPTPTRKSVGA
QDASTGATASTSSAAQPAGTPSQEPLKELLSAVSERTLLEEKHTDQFKAFMWMARMMDP
PVDVATTSRHDIMQKYIMVLFYISTGGKNWRHQNSFLTDVSLCDWEGLTCNDEHKIVAID
LEDNHLNGTLASELALGAPSLQDLRLGGNALFGSVPSELGVLP SLRRTLDTDNAGISGTI
PPSVSLRSLPNLETLELAGTGIEGDLPLFCAAPGGGKGTGTGGGVKLSQDVSIIANCLD
PSVVICSCCNVCCDAAGENCKSL

>comp10271_c0_seq3; 356 88 1239 LEN=1377; translated
MLLFLYRAYYFSLKSRDLRCSGHNDLTGTVPIELESASKSLEMAFLNGNDFAGSIDVVFCS
SGHRIFEELVSDCKGSAPEVKCSCCTGCCDASGLNLCVLDHDPFSAIDTDRPSPTPTRKSVGA
AQDASTGATASTSSAAQPAGTPSQEPLKELLSAVSERTLLEEKHTDQFKAFMWMARMMDP
SPVDVATTSRHDIMQKYIMVLFYISTGGKNWRHQNSFLTDVSLCDWEGLTCNDEHKIVAID
LEDNHLNGTLASELALGAPSLQDLRLGGNALFGSVPSELGVLP SLRRTLDTDNAGISGTI
IPPSVSLRSLPNLETLELAGTGIEGDLPLFCAAPGGGKGTGTGGGVKLSQDVSIIANCLD
PSVVICSCCNVCCDAAGENCKSL

>comp10273_c0_seq1; 253 498 1164 LEN=1698; translated
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FHYYNWQMPVVEYVTDIKPNDVLSGRGGATNSHSGNRAFRSLVKQYQSDYKAKKRDKPQ
VAAVVVDKIRERGGFRLLRRCPRKSEGVFWIEIGDVRAREKTCQALREGAPEIRRRKAASE
NDDEENVKAVMDHFQLLQHSTGLNPKALKKIKFSTVAEHKY

>comp10273_c0_seq2; 253 591 1257 LEN=1791; translated
MDLRPPSAKHMNQLTSSRYPSFSQIERPPLDPSSFELPFHGVQNQDPLPLHHGSPFPDRA
FHYYNWQMPVVEYVTDIKPNDVLSGRGGATNSHSGNRAFRSLVKQYQSDYKAKKRDKPQ
VAAVVVDKIRERGGFRLLRRCPRKSEGVFWIEIGDVRAREKTCQALREGAPEIRRRKAASE
NDDEENVKAVMDHFQLLQHSTGLNPKALKKIKFSTVAEHKY

>comp10276_c0_seq1; 164 1 1056 LEN=1131; translated
XLDEDLLVRETIAGAGRDREKWDGIRQWASDEHLGSSFDARRPVSPSVRRLLDAYGLDCT
GCDHSEAVKAINAHAREDRERRRAREKRDALARKVFGTLAAVLVVLAVWHREPLAEALGV
SGGSPSGGRKDAASTALRRRRAADAASKRAGAPKETHGAAHRPLWLDHERREVWTAQKEK
QFSAALREFSGVPKKEYRVLVAERVTGKSRIECLTHHRMQEYLERMAQQQEXAAAIATS
RRTTTTTTTNESTTTQORNATEHNTTQPPRALPHREPLGNENPAVCERAGTGHTTQKACER
RGCLFFWNSAAFPRSWGLHVPPDGVLRSLRSASLRIDRARCGRRIERQEDPG

>comp10278_c0_seq1; 538 439 2800 LEN=2953; translated
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TKKTTGTDEGMSNTSTPRRPSPKQKQKNTIDDNTRPESFDPRFSDLPSAVGAAREGGPH
FSLLTGMRKDLRARIPLYLGDWKRPDSEFFKVLNATVFAFVVQLIPALIFAELLDKTTEGS
LSVTETLLSAGIIGIYAVLSGQPLVLVGITGCVSSRKPCACNDFIFLPHKQASKNLRHC

LNFFGLFFALITCCIVMEKARGNLAGKFVSTGRPIPIGVLAFFLVALHLDLDSTLVTAMI
GLVDVVWTTITPFTTQIFEFFIASTFIFESIRDLFEPLQLSQSTSSLLFDAPDDKTSNDDT
MQGQLMGSNINYSMQRSAAYAGLVIGIGTFYLCWVLHFADTWLSFNNSFRFLSSYN
MAISLVIMTGLSYVPGIDQSVAYVQSDGRMETLGGIERVHVAVPWDWQPTVDRSWVNPL
VGISTEGIFGALFPAVMLYLLFFIDHNISSILTQSPKYNLTKPPAYHWDFILGLTILPC
GILGLPPGSLIPQAPLHTRALCTRKYETLHGRQHEIFVDCEEQRWSALFQAVLMFAALG
SMRVISWIPVGCLFGIFLYLGVGAMHGNEIWERITLIVVGRESRPQIPVVKHVQKQKTVV
AYTTIQVALAAVTFISIAQFVSWGYVFPALIAGFVPIRSFLIVRFLFDETDLKYLDPIHETD
DDYIAELIEYEESQKPRHVSEFGLGLSEFRIGNVPHDPDEYYERHPEYQVRSERSFGSNHS
LRSSPF

>comp10278_c0_seq2; 532 439 2658 LEN=2811; translated
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FSLLTGMRKDLRARIPLYLGDWKRPDSEFFKVLNATVFAFVQVLI PALIFAELLDKTTEGS
LSVTETLLSAGIIGIYAVLSGQPLVLVGITGPVAILLGNYSYRLADQFQSEYWPFFFWLW
IWTISILHLVTAMIGLVDVVWTTITPFTTQIFEFFIASTFIFESIRDLFEPLQLSQSTSSLL
FDAPDDKTSNDDTMQGQLMGSNINYSMQRSAAYAGLVIGIGTFYLCWVLHFADTWLS
FNNSFRFLSSYNMAISLVIMTGLSYVPGIDQSVAYVQSDGRMETLGGIERVHVAVPWDW
QPTVDRSWVNPLVVGISTEGIFGALFPAVMLYLLFFIDHNISSILTQSPKYNLTKPPAYH
WDFILGLTILPCGILGLPPGSLIPQAPLHTRALCTRKYETLHGRQHEIFVDCEEQRWS
ALFQAVLMFAALGSMRVISWIPVGCLFGIFLYLGVGAMHGNEIWERITLIVVGRESRPQI
PVVKHVQKQKTVVAYTTIQVALAAVTFISIAQFVSWGYVFPALIAGFVPIRSFLIVRFLFDE
TDLKYLDPIHETDDDYIAELIEYEESQKPRHVSEFGLGLSEFRIGNVPHDPDEYYERHPE
YQVRSERSFGSNHS LRSSPF

>comp10279_c0_seq1; 1154 540 3407 LEN=3506; translated
MAFGLCTMLLEKVVTKAIVEDKDGSESKINLDAMQRLVSALEMTKESDSKVPSTSSLSLT
ESQNAENQIGVESEETETNSSLPNDVESAPTASNAVWNFPALIEIESNLEPLRPSSVP
KRMKEISEQKIKKQQQASGVEDLPLVPESTVYMKDNSVYTWKPKPSDLIFDSNEAWDLES
ILTSVVEEEVLNMNQNSDVAQIQSKVIGIEKYPAATTSTNTFDDTQNDVQDHLNLQEE
QKSQELFRKLLQKRLLEHKTQSRIMEESKEHITAPQQVKAEGSVDTLIEAVLHTSEQS
FRRLQLLRAKLDIDARAERIQRERSKEQLHRSLKTKLKLQSQKMSRQMSSEIFQRRL
KARLEIDARSKMIAEERIVSNAEPKTTGLKEVPPFGLVETKISEELFHRSLRERLEQDL
LNKAKKEEKANENQPSRLKAAGEASPPSVVSEDRKSKKLYHKRLSTTQIEDTEKGDVSKL
KNQKDP TSERIPDSVSTGVIDCVNTDCKVDNDSEDEPNCSVKGWVSSLPTTSQERYAREA
KVSHSFVQSEFKPAWWSKNDHFQTIIGTLFRKETMYSRGDQDMSTLLRLAGFDGEATSDD
LSVSQKLDEFQWDRRTRVETNDGDLFVVDWRDADVPDEEISGKNDENPICLICHGLES
DSEIARELAIACNEKNIDAACINFRGCADGGEECSLTARAYHLGFTDDLHQINEINSKH
PTKRIYLSGFSLGGVVTKLLADLGEDAYRYNICGAAVNAVFPDTRQYHTNLNEAGFTKT
IYGDRL LASMQRRSKQOFDACP GIFFERSEIDKCKTMDLENLLIAPIFGFDDAMDYD
KVKTIDKLNHCVPPELVVQARDDPFFAGLELPANDPNTPLRIQYTDEGGHCGFIFHQDA
NEERPSTSWMPTQLARFLAHLEENREPSADIPPAVRHEGNPIEIEDDVFAVASNA

>comp10280_c0_seq1; 351 71 655 LEN=1009; translated
MLSAALLSSASAFAPKAGTRAFSRATSVL MANPKVFFDMEVGGEDVGRITFELREDVAPK
TVENFRALCTGEKGFYEGSTFHRVIPGFMCQGGDFTNFNGTGGKSIYGEKFEDENFDLP
HVKGILSMANAGPNTNGSQFFICTVDTPLWDGKHVVFGQVVDGLDVVDKIEAVGSQSGQ
TAQKVVVKASGELE

>comp10281_c0_seq1; 96 1 619 LEN=866; translated
XDFIAQMDAIASIPWRSRFRILGLRKEAGEEGVNGGAPGYGDQTLARTHGRGSLGKDL
WNDVLELFDHDSWTEDEGPFSLDFILCAFLRAALVLVPLWILAGALVVGLLWPPQIREKL
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ETTNTLAAIKKNVVLALFEMGQEE

>comp10282_c0_seq1; 631 111 1916 LEN=2737; translated
MANSNANTAREHDVNDVDWAEGNSGFDPQVVNKMLSDELNQLSIGRRQOVLEEIHGVQPG
GRSPMHFGKNTINQQLQRQOEDIALKKFREELENCFLSDNKYPAYRYAKEHGSSELIRDRD
FELSFFGYGQGGNCPKRAAARMVNYLEMARETFGTDDVLF RPICLSDFDEDLGAREFMYN
EGPLQILPVRDPSGRRVVFVHLRDFGPSSCHVKIRQOVGMVYFVQSI SEERDGA VCVLFLHH
ACDNVYNRDEFQTVNKMMKIIPPKFSAFHLCCPVGPMYDVVKA AVTLLIGKENRQRLRIH
VGSFQECKYSLRPF GIPVDRLPVDLFSGGSSQRQYQNIKNHLRWLQIRAAKDTAMFAA
IGRDSNGEIIDGGHQENKDIGESYAGVMAAVRENLSKFVECPRHEDCLFGKGRPAMNHPG
NIAMRRLVKNKLSQFISNNAKEKSEIVQECIDEIKEWNGRFLKEDSDHAGVFFVIADNETV

FKKIASAFRDLKKKQLREQQREKESVRDDPGNESTGEEVGRPSQSRVKGTRPADQEFQS
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D

>comp10283_c0_seq1; 533 108 1343 LEN=1613; translated
MLFRITAVFAFLGGAASAFMPSTDIHGFSSTKLNQLIEDNGINTSTDDRRSFVTKSGSTV
AAAAFASATGTLGVPTPEPAKAASSQMWKPVLPFSETLYDIDFDTPTHGYLVGARGSAE
TNDGGETWEARSFNSLDAEEEVTYRFTVSSFTDGEWVWGKPTLMLHTKDAGKTWERIPL
SPKLPGEPTSITSLGPGKAEMTTSVGAVYVTENAGRNWKAQVKETIDATLNRISSSGVSG
ASYFTGSIISQIRDDDGLAVSSRGNFFLTWEPGNDFWIPHNRTGTPRRIQNMGFVEGDI
NKGVWMTLNGGKLLICNSEPDLKSDTFDFKEANIKTGGFGITDVAWRNKKEVWAVGGSNT
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>comp10284_c0_seq2; 773 358 2151 LEN=2827; translated
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QVIVERFATVLTGLTYKAQADWNQAQLEKQNNASSEVSAAVSGQEEVSLAPPSGDDPAALA
LCEAIASLGPLAVKLGQTLRQRPDIVGRAACDALKRLQTQNTPFENDLARAVLRESLGYW
DGPLAGDGESESSQGTGGSKPLFRSLSEEP IASASLGQVYKATTWDGVDVAVKQVQRPDAL
SILAIDTQCFRIASAFRNTVIDWTEKWNGLVASSSNGEGDVPHSLETGMTEEEVRS LGPE
GTVASVIDRVARDIKREMDYRIEAENSYKFRDSLEFLGFVDTPEVLLATDKVLATTFVDG
HHLANLPESDQLALTRMAVEACTASMLTGFVHADPHEGNLMLRNDGRIVFLDFGLMS
DVDQDVMEAFARGIAALLSEDFVSMTEAFTDTGFIITAPIMHRASTDELWRVDPDFGQDEL
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>comp10284_c0_seq3; 1113 358 3030 LEN=3063; translated
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QVIVERFATVLTGLTYKAQADWNQAQLEKQNNASSEVSAAVSGQEEVSLAPPSGDDPAALA
LCEAIASLGPLAVKLGQTLRQRPDIVGRAACDALKRLQTQNTPFENDLARAVLRESLGYW
DGPLAGDGESESSQGTGGSKPLFRSLSEEP IASASLGQVYKATTWDGVDVAVKQVQRPDAL
SILAIDTQCFRIASAFRNTVIDWTEKWNGLVASSSNGEGDVPHSLETGMTEEEVRS LGPE
GTVASVIDRVARDIKREMDYRIEAENSYKFRDSLEFLGFVDTPEVLLATDKVLATTFVDG
HHLANLPESDQLALTRMAVEACTASMLTGFVHADPHEGNLMLRNDGRIVFLDFGLMS
DVDQDVMEAFARGIAALLSEDFVSMTEAFTDTGFIITAPIMHRASTDELWRVDPDFGQDEL
ALDLEKAMKSTEGGMSRFGALATVNLKKSIPRWLVFTPPYVLLLIRTFLEGTLEGIAAQVDP
DFNIYEMSPWVVRSLSPSTEKGRKVLRSIMLKPDNTIQWERILELLALQKEATQVQQA
AAVDTESREPTTSSAATSAAAASAVDHANDGTSTVAAATTQEEKERKQREYAVARQGAMK
DAIGKLLGSTNGRALRGVLDLTPDLIWKLSREGQP IIVEMGTETILNKYLF SALRRSG
NNKKERPP IREAETTAGTTPRSVDYRPVSDQCKALKKRQAQRTKQVTRILLKSHLKRCLF
RIKGIAGMVRLIASTLKVMSLII LRKIIRKVMVSLGGNREASVNSATTVA

>comp10284_c0_seq4; 318 152 888 LEN=964; translated
MLKPDNTIQWERILELLALQKEATQVQQA AAVD TESREPTTSSAATSAAAASAVDHANDG
TSTVAAATTQEEKERKQREYAVARQGAMKDAIGKLLGSTNGRALRGVLDLTPDLIWKLS
SREGQP IIVEMGTETILNKYLF SALRRSGNNKKERPP IREAETTAGTTPPLGGLSARLGP
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DGVLGW

>comp10285_c0_seq1; 303 230 1120 LEN=1934; translated
MVVVVARSLTVTAILGFVTS CNAQPMRRRPLSTVLEVEDLESYPSHLEQAEVDFDVRNSG
SSRSSRKEQDRRGLGRTWGHGKEEKHSLKLGKTNRSKGDKKS GKR MKFDKVLGGRKSKSGK
SRDALWDDVIGMSMSPSSPVDNPNANPPSAMP SRETQKPTQRPTPKPTNAPVPRTPSPPT
RTPGCESLPKEEV LKETLEKVTQTS ILEDSSSTPQGN AFLWMLNRDPAQVDPCTYGTVEQR
YALATFFYSTNGSGWDNSDGLVSNCAWSG ICKDGNRVIELGADDALGKYYFY

>comp10285_c0_seq3; 425 230 1762 LEN=1800; translated
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SRDALWDDVIGMSMSPSSPVDNPNANPPSAMP SRETQKPTQRPTPKPTNAPVPRTPSPPT
RTPGCESLPKEEV LKETLEKVTQTS ILEDSSSTPQGN AFLWMLNRDPAQVDPCTYGTVEQR
YALATFFYSTNGSGWDNSDGLVSNCAWSG ICKDGNRVIELGADDALVANDLSGVL
DEIKALKRLEMIQVGANAI GGSIPDVLTDLPNLRHFDVEINSLSGPAFVNLEGLDQLESY
RISANRFSGRIDPAIGDITSLKELWMADNQLTGPIPETFGNLVNIETLYMYRNNLVGSLP
DNLGQMGNLQELQIFNNFLSGTIPEGLYSNTELGLMRLDGNKFTGTVSESIGNLIKLGDL
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>comp10285_c0_seq4; 303 230 1120 LEN=2660; translated
MVVVVVARSLTVTAILGFVTSNAQPMRRRPLSTVLEVEDLESYPHLEQAEVDFDVRNSG
SSRSSRKEQDRRGLGRTWGHGKKEEKHSLKGTNRSGDKKSGKRMKFDKVLGGRKSKSGK
SRDALWDDVIGMSMSMPSSPVDNPNANPPSAMTPSRETQKPTQRPTPKPTNAPVPRTPSPT
RTPGCESLPKKEEVLKETLEKVTQTSILEDSSSTPQGN AFLWMLNRDPAQVDPCTYGTVEQR
YALATFFYSTNGSGWDNSDGLVESNECAWSGIKCDGDNRVIELGADDALGKYYFY
>comp10285_c0_seq5; 493 230 2122 LEN=2526; translated
MVVVVVARSLTVTAILGFVTSNAQPMRRRPLSTVLEVEDLESYPHLEQAEVDFDVRNSG
SSRSSRKEQDRRGLGRTWGHGKKEEKHSLKGTNRSGDKKSGKRMKFDKVLGGRKSKSGK
SRDALWDDVIGMSMSMPSSPVDNPNANPPSAMTPSRETQKPTQRPTPKPTNAPVPRTPSPT
RTPGCESLPKKEEVLKETLEKVTQTSILEDSSSTPQGN AFLWMLNRDPAQVDPCTYGTVEQR
YALATFFYSTNGSGWDNSDGLVESNECAWSGIKCDGDNRVIELGADDALVANDLSGVLP
DEIKALKRLEMIQVGANAIGGSIPDVLTDLPNLRHFDVEINSLSGPAFVNLEGLDQLESY
RISANRFSGRIDPAIGDITSLKELWMADNQLTGPIPETFGNLVNIETLYMYRNNLVGSLP
DNLGQMGNLKEQLIFNNFLSGTIPEGLYSNTELGMLRLDGNKFTGTVSESIGNLIKLGDL
RINENLFTGTLPGSFFNLSRLVVLRLNNNNFVGTLRDGFDSWQSLDFADFRNNGFEGTLP
GTIFDIPTIRILYFSNNNLGGTLPATYSNSPVLRLDLFLSGNQLSGTIPGIQAGQLSVLTE
LLEDNRF'TGTMAESICNLRASGQGLLEDLW
>comp10286_c0_seq2; 344 1 1370 LEN=1995; translated
PEPNRIEHN'TTQQRSLSNHRHSNTD'TTMMPLPLRLVLLAALPRSALGWSHPRSPFRRGA
GGSRCRAPVRGGASPSALWGTEGDGGAAPGTTTKSSSAPIFSEEDVSDFCCKGTNEFWKG
LVIEPVRNYVEIREGGPDSPTDILSKLVAPPEVPGLSRPVWFTILGSVPTALGWYGYKF
SVEEELFQHELRTSKNGYVTGCGGYGTLFPFVFGVLLGFPALLHVPGGELLLKAAGAWI
LTGQVNLVRRVNELCFEDEAVREELLAGLALPGEEAGEPEPPLHPWWALLPPPLDVVGL
RQVHFLSEYWRIVRGDPYDKDIVAEELFPFIISSKRFTLKQFARKPSNWFWFTKKTKDFDG
IDFLKDXMDDAVRHSRGMCTRGAAEGGRERCLRPSVARQDALSARNATEPLGSFGFGIAL
RDCASSAGTMAAATSSNQYAAGSEQPRLLHPVYPE
>comp10287_c0_seq1; 545 1 1537 LEN=2110; translated
LNEAATKKT'TIAYFWEQDESWLPVLAIGLLVVKNVFYSSIPGFRWDDVAILAKVNTAFYN
DETET'TTTAPT'TAPT'TAATKRPLQAEPLGEHPFVGAIDPTGEYFGYVHDPTVLRSKSNSK
NDNDQHKHENNPEWFSIRDETEREGLCAPVGYGPERWNSTVWNERNVGFDSSNAVFGEII
KVASPPLATGGSDNNNNSDRDIKLFCAIYTHPGNDEQANAI RQTWGRRCDFMAASTVSD
PWSATVNI PHKVHKKKKFSQQGSYGGIWQVRVSM LAYLYDNFLEDYDFYYLCGDDTYLI
VENLKAF LKTPAFVEHAGGTGYPLPVYTG VVIHPN WAPSVRKKKDKEDPSFY YMGGGAGY
VLNRKAVELLVTLAWPKCHDNTFAGEEDVLM AFCLRQYLNVTGYDSRDEEERERFFWDL
VTEAEVREQSINEERKVLHLAGQFVRKQTRWNAKHHGWT'PRYGP HDRISPTAVAFHKVKP
AEKMKRYERLFYRTEARNPALHQKDCGLGLG
>comp10287_c0_seq3; 535 1 1525 LEN=2098; translated
LNEAATKKT'TIAYFWEQDESWLPVLAIGLLVVKNVFYSSIPGFRWDDVAILAKVNTAFYN
DETET'TTTAPT'TAPT'KRPLQAEPLGEHPFVGAIDPTGEYFGYVHDPTVLRSKSNSKNDND
QHKHENNPEWFSIRDETEREGLCAPVGYGPERWNSTVWNERNVGFDSSNAVFGEIIKVAS
PPLATGGSDNNNNSDRDIKLFCAIYTHPGNDEQANAI RQTWGRRCDFMAASTVSDPWSA
TVNI PHKVHKKKKFSQQGSYGGIWQVRVSM LAYLYDNFLEDYDFYYLCGDDTYLIVENL
KAF LKTPAFVEHAGGTGYPLPVYTG VVIHPN WAPSVRKKKDKEDPSFY YMGGGAGYVLNR
KAVELLVTLAWPKCHDNTFAGEEDVLM AFCLRQYLNVTGYDSRDEEERERFFWDLVTEA
EVREQSINEERKVLHLAGQFVRKQTRWNAKHHGWT'PRYGP HDRISPTAVAFHKVKPAEKM
KRYERLFYRTEARNPALHQKDCGLGLG
>comp10288_c0_seq1; 812 216 2338 LEN=2338; translated
MSTPEWMQKYQEIGQKEDEGVTEMGRDGF LKRAESRRNSLLIEQGEDSNEFSETVPLATT
EKASVEMVRSTRSDPPDSVSGNARDFTYETESKSANDGYDQTSYIDESKYGGSASDAAP I
SSAQDDNVSSANGTQMSRSTYGGEDIIEEILVDDDGNEIFEEV LVEDEDANDFFAEQRQ
QLVSDSAAIEDKAQGDVVLAEDEKYQVPPSPIDTASQAQLRSGTQIYDIEEQKRILGIGK
PGKRSSMSWFIPLLSFCLIIAAIVLVVFFVVLNDRQKFGMKPSMAPTPAVAVPLDPEAS
SSGSVDAARTTEFDPRFNCCNFEGSLQPNIIDQCICEESVDI IADDVRNRWNKLVKNFIP
SVYPEWNEAIDSCSPENQALLWLSGINNGGEIDDLHRLQRVYLATVYYAQGGIGWFHSK
NWLSGRSVCGWEGVECNDSDFVQFLSLDFNNLIGFLSNAPTLLNAIEGYSVVGNSLEGFI
PYSYFASDTLNLHINFSDNELYGAFPTISSNLSALTYLNI GSNL DGTVSSDVGKLSLKV
LNIDFNAFSGTLP SVLFR LPLAELS IGGNGFDGMIPEEITDLSALTSLSLGPNSFSGDVP
TSLSVLTKLEKLSIEGIANLGGRLPAAYGLSLTNLVELGISGTNIDGNI PAQFSMLKCLK
KLRLSDNDLRGVI PSSIDLLADLGVLSHSSFLNLLFFYFLTPFLSER

>comp10288_c0_seq2; 905 216 2450 LEN=2475; translated
MSTPEWMQKYQEIGQKEDEGVTEMGRDGFLLKRAESRRNSLLIEQGEDSNEFSETVPLATT
EKASVEMVRSTRSDPPDSVSGNARDFTYETESKSSANDGYDQTSYIDESKYGGSASDAAPI
SSAQDDNVSSANGTQMSRSTYGGEDYIEEEILVDDDGNEIFEEVVLVDEDANDFFAEQRQ
QLVSDSAAIEDKAQGDVVLAEDEKYQVPPSPIDTASQAQLRSGTQIYDIEEQKRILGIGK
PGKRSSMSWFIPLLSFCLIIAAIVLVVFFVVLNDERQKFGMKPSMAPTPAVAVPLDPEAS
SSGSVDAARTTEFDPPFRNNCFEGSLQPNIIDQCICEESVDI IADDVRNRWNKLVKNFIP
SVYPEWNEAIDSCSPENQALLWLSSGINNGGEIDDLHRLQRYVLATVYYAQGGIGWFHSK
NWLSGRSVCGWEGVECNDSFVQFLSLDFNLLIGFLSNAPTLLNAIEGYSVVGNSLEGFI
PYSYFASDTLNLHINFSDNELYGAFPTISSTNSALTYLNI GSNLDGTVSSDVGKLSLKV
LNIDFNFAFSGTLPVLFRLPLAELS IGGNGFDGMIPEEITDLSALTSLSLGPNSFSGDVP
TSLSVLTKLEKLSIEGIANLGGRLPAAYGLSLTNLVELGISGTNIDGNIPAQFSMLKLLK
KLRLSDNDLRGVIPSSIDLLADLEILHLNGNSFSGTVPSEIAMLSSLEELKLDRNKLIVGS
IPEEFEEELLEMSKSCHEHVFQCEMQ

>comp10288_c0_seq3; 1127 216 3053 LEN=3160; translated
MSTPEWMQKYQEIGQKEDEGVTEMGRDGFLLKRAESRRNSLLIEQGEDSNEFSETVPLATT
EKASVEMVRSTRSDPPDSVSGNARDFTYETESKSSANDGYDQTSYIDESKYGGSASDAAPI
SSAQDDNVSSANGTQMSRSTYGGEDYIEEEILVDDDGNEIFEEVVLVDEDANDFFAEQRQ
QLVSDSAAIEDKAQGDVVLAEDEKYQVPPSPIDTASQAQLRSGTQIYDIEEQKRILGIGK
PGKRSSMSWFIPLLSFCLIIAAIVLVVFFVVLNDERQKFGMKPSMAPTPAVAVPLDPEAS
SSGSVDAARTTEFDPPFRNNCFEGSLQPNIIDQCICEESVDI IADDVRNRWNKLVKNFIP
SVYPEWNEAIDSCSPENQALLWLSSGINNGGEIDDLHRLQRYVLATVYYAQGGIGWFHSK
NWLSGRSVCGWEGVECNDSFVQFLSLDFNLLIGFLSNAPTLLNAIEGYSVVGNSLEGFI
PYSYFASDTLNLHINFSDNELYGAFPTISSTNSALTYLNI GSNLDGTVSSDVGKLSLKV
LNIDFNFAFSGTLPVLFRLPLAELS IGGNGFDGMIPEEITDLSALTSLSLGPNSFSGDVP
TSLSVLTKLEKLSIEGIANLGGRLPAAYGLSLTNLVELGISGTNIDGNIPAQFSMLKLLK
KLRLSDNDLRGVIPSSIDLLADLEILHLNGNSFSGTVPSEIAMLSSLEELKLDRNKLIVGS
IPEEFEELEMMRTLTNLGNAMDGRAPNGVCALREAELDEFVDCPTLVGESDVYGI ICSI
PSCCTECFDPTGATGSITEESSETIIGVASEDPELSFLVSLIIEAGLIDPLSSDGPFTLF
APTNAVVSLLNSLGLDPTTEVIGVDPSSLLYGILTYHVVPGIYSADDISDGLTLETAMGES
ISFDISEGIGTVNGAIIRTVNIPASNGLIHKIEGVLVPSILDDML

>comp10289_c0_seq1; 134 274 625 LEN=625; translated
MRSVSSSTSISSSATSNVRQIVDWVLDKPLESIIISKEEAI AITRELTSDKALIDSLENA
VIENWDKIVNKLKRSDDGSRQTLSDLLGKEATQRLLRGMQNLDIYSDSRTVSRSEERRX

>comp10289_c0_seq2; 338 274 1185 LEN=1881; translated
MRSVSSSTSISSSATSNVRQIVDWVLDKPLESIIISKEEAI AITRELTSDKALIDSLENA
VIENWDKIVNKLKRSDDGSRQTLSDLLGKEATQRLLRGMQNLDIYSDSRTVN AFLQSDAV
NDLFAQTLYDGIYEFFQTI DVFNGIISNL PVLGPI RNKIRDDLKQQLDRTLGP TLRNFLK
GYTTIAIGRASSFVLSQNRKAFGAANARLLKSVLERPLEDLLPESSNASITRLRTEFFG
YLRQLGGDDSSDLEDYAAIVYDLIGDKSLDSVGLNVHKVLDTSPTLESTANRIFDEAINR
NQS

>comp10291_c0_seq1; 462 587 2022 LEN=2135; minus strand; translated
MKLFFNILLVLAATAVTAFAFD PDAGTDLHRLSKNGDKTTNIDTDLHLDNRFLADPR TNAG
MDNVIEIDPDTFSGTGGGRRKLSGKLGKSSKKNPSSPLL PAMNPNYHYVLMES SDKD
TDSFALHLRGYDEERVSADVHNASFDDVKSELVKKHDSGKVLLAVLFRDQIQADKLLDGK
TLTI ISEGMSGTVAVG VYKGTADKFQMSIGLLESHE TKPDSLEGHVFHLS SNGEVKNHL
HLFEGETWKEVIPWQAANFQGLDYQMERKLGVEGWQEFHRYTTS GTYHYHNPPLWSCWS
PKIGKYQYTARFFKLGFDHITGRNYYYVSMELTINH QYMQYSNDQMVADLSCGPYTRSVT
IGVELGNGXGNNHEWEYTLNPCVKKLFSGDIPPPPEGSATFDSRPTI IWSVDKNSPSTL
TLFSRFHTNFLNEDKSGGGPFSPSYVKITIPADGTSVSSTVPAEYSPFFVANQPPMCS

>comp10291_c0_seq2; 560 587 2179 LEN=2292; minus strand; translated
MKLFFNILLVLAATAVTAFAFD PDAGTDLHRLSKNGDKTTNIDTDLHLDNRFLADPR TNAG
MDNVIEIDPDTFSGTGGGRRKLSGKLGKSSKKNPSSPLL PAMNPNYHYVLMES SDKD
TDSFALHLRGYDEERVSADVHNASFDDVKSELVKKHDSGKVLLAVLFRDQIQADKLLDGK
TLTI ISEGMSGTVAVG VYKGTADKFQMSIGLLESHE TKPDSLEGHVFHLS SNGEVKNHL
HLFEGETWKEVIPWQAANFQGLDYQMERKLGVEGWQEFHRYTTS GTYHYHNPPLWSCWS
PKIGKYQYTARFFKLGFDHITGRNYYYVSMELTINH QYMQYSNDQMVADLSCGPYTRSVT
IGVELGNGNDYESMPKSTDGSSVSSDIGGSLSDGSDVDTSI SHDYGNKDVQITYNL
PGNNNHEWEYTLNPCVKKLFSGDIPPPPEGSATFDSRPTI IWSVDKNSPSTLTLFSRFHT
NFLNEDKSGGGPFSPSYVKITIPADGTSVSSTVPAEYSPFFVANQPPMCS

>comp10292_c0_seq1; 598 66 1523 LEN=2193; translated
MAHPNNTIVSPPLLRLRFWLTAATTISSHLPMLLLCFPNTASSFVATTTLRASTTPTAFEL
SAAPDIPSWKDLGATGCDNHEQPF CANGADFSSHPDLGNSRPVLYRERHGWCPYSERVW
LAL EAKGIDYDTIYIDNIYGRPSWYGGNT PQMKWEDGRVQSE SMDLVKAIDERYASDCGV
ELYPSDIASEVVKSERAFRNIFPKKARPSSRAAFLFRYDGTPLWKNEFEKTLKETDALL
GENPKGPF FCGDRFTAADVCWAPFLERYAGQLPCLHEGLDPRCESTYPHLHRWYTAMEQM
VPAYACRVRGDPSSWRKVLT MAGFGNAGAVPPLV SERMDELAEQERSPLSAAEKADQQRV
WDEYAASRPFVASSPSAEAAA VLVNRNREAIKRDVAKNFCDEDP SVASLYDEAGLDEAMRS
LAVVLLCNDQEEEGRS LFFDGATVEACEEKCGGSLGSLAAFLDERMCVPRDMGALSAAHF
KRIIA

>comp10292_c0_seq2; 598 66 1523 LEN=2396; translated
MAHPNNTIVSPPLLRLRFWLTAATTISSHLPMLLLCFPNTASSFVATTTLRASTTPTAFEL
SAAPDIPSWKDLGATGCDNHEQPF CANGADFSSHPDLGNSRPVLYRERHGWCPYSERVW
LAL EAKGIDYDTIYIDNIYGRPSWYGGNT PQMKWEDGRVQSE SMDLVKAIDERYASDCGV
ELYPSDIASEVVKSERAFRNIFPKKARPSSRAAFLFRYDGTPLWKNEFEKTLKETDALL
GENPKGPF FCGDRFTAADVCWAPFLERYAGQLPCLHEGLDPRCESTYPHLHRWYTAMEQM
VPAYACRVRGDPSSWRKVLT MAGFGNAGAVPPLV SERMDELAEQERSPLSAAEKADQQRV
WDEYAASRPFVASSPSAEAAA VLVNRNREAIKRDVAKNFCDEDP SVASLYDEAGLDEAMRS
LAVVLLCNDQEEEGRS LFFDGATVEACEEKCGGSLGSLAAFLDERMCVPRDMGALSAAHF
KRIIA

>comp10293_c0_seq2; 412 303 1622 LEN=1671; translated
MIPRAVAFTSTTPTTARKFCRHNVLQRYRQWFSPFYFRDSFSHCTQGMSIAIPPAARPPP
SVSLG VGRERRVPGQKQQRKTNEHRDKQAQRLIEQEE SARRKRIEQMDQRLQKAARRDVR
ISILEAKIALEQQEQQNGSSNSNEVAESITEPNNGSSSTSQDIESVTDAERAELAGLLRVR
EDFEEQYDPSDFSEEHLNFKDLHND AFLKLVQYCERNRGDY EKSKTSETNKEENITKVFF
LDGPDARTASALIWKGNM DATQCYVANRHESTCVCLRQSGGGLLPDANVVHATASEALSK
PAFSNDRKQE QHQVGAFAHLDF TGYF DGCNGFAPHIVNMLSSALLRLDQDSSNGQSFQ
QHP IVVGYSLIGGGHKTQATMVENELFVSRALTTIARTRGM RVIQALDDPTRFGLHPETP
KVAAKTF TTWLLLEPDDSF

>comp10294_c0_seq1; 392 84 1762 LEN=1769; translated
MEDDGRIDA IPEERTELMKNSD VLLPTGQPTSSDRADENGLSSDEDLFTDEGVPVIGFIS
RYINLPYADLPMEANGCVIDTYARATINLAYFFVGTALLKLALHQALSNCFSKKSQDDF
IIEECMTDPKIFGFKPSSLLTNMGALGSFISVVS LPIVGAVVDFTPYRRQVGLCMASGLT
LIKILEIGIRQRIWFFV VCLQVLSLFFQTEKAAMYAYS AELSHHPTTQSKFQSSLALTL
FASMFLYLLEVQVLSRVLDDLNDXTHREARSNYR PQLPAVILDR LGPSLSGQAARL DPA
GGPKH THGGVSEAPPDL SRDFQQLSR PALFGVQ PRLVGGGHC GASDHHHHLHERIPGDE
LPPDGF GALRGHRRHTGVRDREPCLQALQESRTER TGWPGGVHSEHRRGGFVSAGGLQA
PDVRVLLCLGDLPLG LAAPT AHDYLCDDFSPGARVGRADGT VSI FVPDTRFP PAVALYGSE
RNGGAHVDRDNDARPVYFDRTPWPGLHGRLRGRS QPGRVRRR PGLIVEERDVAFPNMEN
TCNSHKFC SKNFKSVDGQR

>comp10296_c0_seq1; 590 179 1678 LEN=1744; translated
MNLRF AALLLSASLPLASPFSTPSVPLSSSQTN TLLRSPLPFASPTDISTVSPKTTLVN
NIGNHNKPLNRHVLHMASDAAA VSTEDAGNEGASVTQLIFNLVKGIVGAGVLSLPAGIAA
FANAPGGVIPAVSLIAIIGSL SAYGFALIGRCCAYTNTKSYRDAWSATVSKSSSWLPASA
VTFKTVAACLSYSMILGDTFV SLLSTIGIASTKVPVTLGLTGVCLLPLCLMKNLSSSLAPF
SLVGS LGMIYTALAMVVRYL GKAYSATGAFGADNAVALR PKFGTVGAQGAFTPSAAIFIS
MLSTAFMAHFNAPK FYNELKDKTLPKYKVVSTSF AISISL FALVASVGFLTFGASSNGL
ILNNYSTRDSL MNLSRIA VAVSLVFSYPLAFV GARDGVS DLLKIKGTEKTQNVLTVALLS
AITGIALVLPDVSFVMALAGATLGNGLIYIFPALMYRGA IKKKPDATKGEKREVKFALGS
AAAGIVMGILGTKMALGSL

>comp10297_c0_seq1; 531 1 1272 LEN=1272; minus strand; translated
XAVDDESSGDEWDADSDSDDDDKFADLDARLEKVVIEDDNVDLIELEKKQE QKRLAELGR
KRAEQERKEELRLAELKKQADAAERAELLKEQKRQEGKKKREEEKANLAARSPDNL RCP
ITVIMGHVD TGKTKLLDKIRRTNVQEGEAGGITQQIGATYFEKKTLEAQTQKLNATEKFD
IKVPGMLI IDTPGHESFANLRSRGS SLCVAILVVDLMHGLEQQTIESLNMLRKKNVFV
VALNKIDRCYNWKTCKDTPIRDAL KDQEEGTISEFRSRAADAKLQLAEQGVNSNLYWEMG
DDDWSNSDFIPLVPTSAITGEGVQDILMLLCQMAQRKIWESIMWCANLEATVLEVKAIDG
LGMTVDVLVNGYLREGDKAVFCTLDGP IIVTEIRGLLTPPPSREMRIKSDYIHHKEIKGA
IGVKX

>comp10298_c0_seq1; 358 1 1340 LEN=1492; translated

XGSSSPLAASWYYRLCLFCVIEWSGAACIKTMQWAGSRPDMFGSDFCAVFSRLQDSTRPHS
RNHTERAMAEAFGEWGETMRLDSSLGSGCIAQVYKGVVLDVDDPENPGQKVERPVAVKVR
HPGVEKDIDADLDILRLVVGLLDKIDRGPVKNLRWLNLPGFIEEMALMLKVQLDLRREGE
HLVRFNENFEGNETVVFPRLVEGYAPTGVLCETFHEGQPLMAFVGVQNKADQKLLTKMCT
EAVKAVCQMIFLDNFTHGDLHPGNVLTDDYKVFVLLDVGITTVHSEKDHKLLSDVLAAFI
RKQGRKAGRYMIENSARLERAGDRAVDEERFCDKIEQVTIAASGKDYFMEHLGTYITYI
CNSASAAHVMLNQAFISSALAVKVQEGIALALDPSIEIWRIAIPILLEGERRHGRVGERA
REMLGIRGGIADWFAGTKPAAACSGD

>comp10298_c0_seq2; 289 1 1451 LEN=1603; translated
XGSSSPLAASWYYRLCLFCVIEWSGAACIKTMQWAGSRPDMFGSDFCAVFSRLQDSTRPHS
RNHTERAMAEAFGEWGETMRLDSSLGSGCIAQVYKGVVLDVDDPENPGQKVERPVAVKVR
HPGVEKDIDADLDILRLVVGLLDKIDRGPVKNLRWLNLPGFIEEMALMLKVQLDLRREGE
HLVRFNENFEGNETVVFPRLVEGYAPTGVLCETFHEGQPLMAFVGVQNKADQKLLTKMCT
EAVKAVCQMIFLDNFTHGDLHPGNVLTDDYKVFVLCVIELPRFDSVKPSXLACLTI FVSD
GILPNMPSSGRLLDVGITTVHSEKDHKLLSDVLAAFIRKQGRKAGRYMIENSARLERAG
DRAVDEERFCDKIEQVTIAASGKDYFMEHLGTYITYICNSASAAHVMLNQAFISSALAVK
VQEGIALALDPSIEIWRIAIPILLEGERRHGRVGERAREMLGIRGGIADWFAGTKPAAAC
SGD

>comp10300_c0_seq1; 112 213 968 LEN=1329; translated
MSTFRPCIRPLVITRGSQDLAVSTRYEDRNDASVVRNYGAMLVLDLCSVIPDGVAFFTSY
SYMEQLVSEWDATGVLKDLTRTKLVFIETKDVVETTLALDNFRACDSGRGAVFLSVARG
KVSEGINFDRHYGRAVVMFGVFPFYTLSHVLRARLEFLQTHYQIREADFLNFDALRQTSQ
CVGRVIRSKTDYGLMILADSRYNRHDKRSLPKWILQFLHEHCLNLSTDQGIQQVQQFLR
LMGQPIDQKKGK

>comp10300_c0_seq2; 604 196 1827 LEN=1836; translated
MRFDLGLDGLVFFPYDRIYLEQFQYMRSLKQSLDAGGHCLLEMPGTGKTVCLLSLITSYQ
YANPSVGKLVYCTRTPPEMNHVVEELGTVLLYRAEQLELASMERAGQQEGNKSHADAETE
TDSTGDTGERSPSNPPSPPKKKRPTIRGVKQGRGRAVSMGPIRTPKGAGGSSELALCLS
SRRNMCVNERVMAESDREAVDAACRSMTASWVVEHAKTHPGSSIETCSFFDSFQEGEST
NMPGSGVYDLEELKKWGQARGWCPYYLARQAINHANVLFVNYQYMLDPKVAKMVSKELEAE
SIVVFDEAHNIDSVCIEALS VK INDRGLEQATRSLGRLSSEVTKIKASDNQRLNQEYQNL
INGLIDQGLLDAPANDTGLASNVLAPDVLNESVPGNIRRAEHFIRFMKKVVEHLKNR LKS
ITGPNGGVTSETPLAFLHRMTNGTSLEAKPLRFAYSRLNSLLRTLQVSNMDEFNSLGDVA
DFSTLLATYSEGVAKF AIMEPNGSNIPGASDPCIQLSCLDSSLAIAPVFKRFSVVIITS
GSK

>comp10300_c0_seq3; 451 196 2643 LEN=3004; translated
MRFDLGLDGLVFFPYDRIYLEQFQYMRSLKQSLDAGGHCLLEMPGTGKTVCLLSLITSYQ
YANPSVGKLVYCTRTPPEMNHVVEELGTVLLYRAEQLELASMERAGQQEGNKSHADAETE
TDSTGDTGERSPSNPPSPPKKKRPTIRGVKQGRGRAVSMGPIRTPKGAGGSSELALCLS
SRRNMCVNERVMAESDREAVDAACRSMTASWVVEHAKTHPGSSIETCSFFDSFQEGEST
NMPGSGVYDLEELKKWGQARGWCPYYLARQAINHANVLFVNYQYMLDPKVAKMVSKELEAE
SIVVFDEAHNIDSVCIEALS VK INDRGLEQATRSLGRLSSEVTKIKASDNQRLNQEYQNL
INGLIDQGLLDAPANDTGLASNVLAPDVLNESVPGNIRRAEHFIRFMKKVVEHLKNR LKS
ITGPNGGVTSETPLAFLHRMTNGTSLEAKPLRFAYSRLNSLLRTLQVSNMDEFNSLGDVA
DFSTLLATYSEGVAKF AIMEPNGSNIPGASDPCIQLSCLDSSLAIAPVFKRFSVVIITS
GTLSPIDLYPKLLQFEP CISESLNMSTFRPCIRPLVITRGSQDLAVSTRYEDRNDASVVR
NYGAMLVLDLCSVIPDGVAFFTSY SYMEQLVSEWDATGVLKDLTRTKLVFIETKDVVET
LALDNFRACDSGRGAVFLSVARGKVSEGINFDRHYGRAVVMFGVFPFYTLSHVLRARLE
FLQTHYQIREADFLNFDALRQTSQCVGRVIRSKTDYGLMILADSRYNRHDKRSLPKWIL
QFLHEHCLNLSTDQGIQQVQQFLRLMGQPIDQKKGK

>comp10300_c0_seq4; 130 213 1079 LEN=1234; translated
MSTFRPCIRPLVITRGSQDLAVSTRYEDRNDASVVRNYGAMLVLDLCSVIPDGVAFFTSY
SYMEQLVSEWDATGVLKDLTRTKLVFIETKDVVETTLALDNFRACDSGRGAVFLSVARG
KVSEGINFDRHYGRAVVMFGVFPFYTLSHVLRARLEFLQTHYQIREADFLNFDALRQTSQ
CVGRVIRSKTDYGLMILADSRYNRHDKRSLPKWILQFLHEHCLNLSTDQGIQQVQQFLR
LMGQPIDQKALQSVLLTVEEAKMNPQMPTTTSSSHGNGSMMFEP RR

>comp10300_c0_seq5; 735 196 2754 LEN=2909; translated
MRFDLGLDGLVFFPYDRIYLEQFQYMRSLKQSLDAGGHCLLEMPGTGKTVCLLSLITSYQ
YANPSVGKLVYCTRTPPEMNHVVEELGTVLLYRAEQLELASMERAGQQEGNKSHADAETE
TDSTGDTGERSPSNPPSPPKKKRPTIRGVKQGRGRAVSMGPIRTPKGAGGSSELALCLS

SRRNMCVNERVMAESDREAVDAACRSMTASWVVEHAKTHPGSSIETCSFFDSFQEAGEST
NMP SGVYDLEELKKWGQARGWCPYYLARQAINHANVLFVNYQYMLDPKVAKMVSKELEAE
SIVVFDEAHNIDSVCIEALS VK INDRGLEQATRSLGRLSSEVTKIKASDNQRLNQEYQNL
INGLIDQGLLDAPANDTGLASNVLAPDVLNESVPGNIRRAEHFIRFMKKVVEHLKNRLKS
ITGPNGGVTSETPLAFLHRMTNGTSLEAKPLRFAYSRLNSLLRRTLQVSNMDEFNSLGDVA
DFSTLLATYSEGVAKF AI IMEPNGSNI PGASDPCIQLSCLDSSLAIAPVFKRFSSVIITS
GTLSPIDLYPKLLQFEP CISESLNMSTFRPCIRPLVITRGS DQLAVSTRYEDRNDASVVR
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>comp10301_c0_seq1; 400 1 1262 LEN=1313; translated
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>comp10302_c0_seq1; 262 1 1459 LEN=1459; translated
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>comp10302_c0_seq2; 276 1 1650 LEN=1650; translated
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>comp10303_c0_seq1; 488 471 1912 LEN=2211; translated
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>comp10303_c0_seq2; 512 14 2014 LEN=2313; translated
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>comp10304_c0_seq1; 161 122 1678 LEN=2184; translated
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>comp10304_c0_seq2; 111 122 1767 LEN=2273; translated
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>comp10305_c0_seq1; 212 1 1655 LEN=1719; translated
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>comp10306_c0_seq1; 389 110 811 LEN=2022; minus strand; translated
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>comp10306_c0_seq2; 389 110 811 LEN=1893; minus strand; translated
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AHEASEEELQSKLEISPEILELAWEEALENEDASGEHAVSPEKLI ELVHSHAASAIEKYQ
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>comp10306_c0_seq3; 389 110 811 LEN=2353; minus strand; translated
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>comp10306_c0_seq4; 389 110 811 LEN=2224; minus strand; translated
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>comp10307_c0_seq1; 491 1 2121 LEN=2173; minus strand; translated
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>comp10307_c0_seq2; 479 1 2271 LEN=2323; minus strand; translated
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>comp10307_c0_seq3; 471 1 2051 LEN=2103; minus strand; translated
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LED FAPGEE SGVYGDSAIDPAMKNAFTQTRKWMMAK YSLSEFEAWTIITQAVNFGMTQLV
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>comp10308_c0_seq1; 620 150 1541 LEN=1603; translated
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>comp10310_c0_seq1; 618 301 2759 LEN=2928; translated
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VLLRQLFLLSSAGTEIGGSFLSSTLMDENVPAMFSTPVLGSKFLLHGSEGF IKGGSFETD
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SKKNEDLRTPYRALGRSDDTMNIGGXDKYIASNTGSAIFPYKMAVFCWKGIKIGSVEI
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>comp10310_c0_seq2; 702 301 2681 LEN=2850; translated
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>comp10310_c0_seq3; 625 301 2661 LEN=2830; translated
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>comp10310_c0_seq4; 595 301 2848 LEN=3017; translated
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>comp10310_c0_seq5; 679 301 2770 LEN=2939; translated
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>comp10310_c0_seq6; 602 301 2750 LEN=2919; translated
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NEDLRTPYYRALGRSDDTMNIGGXDKYIASNTGSAIIFPYKMAVFCWKGKIGSVEIEYA
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>comp10310_c0_seq7; 686 301 2672 LEN=2841; translated
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KNIKIDWETEPSSAFNLTGGAHVNYFPEGRLNISDSCFNKRDPLEPALVYAVESDSRN
LREMSFKTLDVLSNQIANGITHKLGLKIGDAVVICMPMTPESVVIYLGIVKAGCVVISIA
DSFSPDEIATRCRLSNAKAIFTQDVIFRGEKFLPLFERALEADSILQQSGKDNSCSMNIV
VLPGLMHAKAYPHASKDANGSTWTDTRDGKQVPLHDSILTLLRQDHDMSWYDLLHLCSE
QYKSKKRGAMDPCNIFLSSGTTGEPKAIVWSHSTPIKVRRIILDAICEXKNSMYLWAFFLT
ATFFCVQSAIDGYYHQDIKVGDRVAWPTNIGWMMGPWLVFQLINGATVGLFNGIPSTKSF
CEFIDEAEITMLGVVPSLVKSWRASNATENCDSKIRRFSSSTGEASDPATALWLMSRVQG
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SNSGELVLIPPAVGMSTVLLNRDHYEYYKGMPPSSPDGEVLRRHGDEIEYVRSDDHLSKK
NEDLRTPYYRALGRSDDTMNIGGKIGSVEIEYACNLVDNVLETAAGVSETKGGPSNLV
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VLRDQYVAAM

>comp10310_c0_seq8; 709 301 2583 LEN=2752; translated
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KNIKIDWETEPSSAFNLTGGAHVNYFPEGRLNISDSCFNKRDPLEPALVYAVESDSRN
LREMSFKTLDVLSNQIANGITHKLGLKIGDAVVICMPMTPESVVIYLGIVKAGCVVISIA
DSFSPDEIATRCRLSNAKAIFTQDVIFRGEKFLPLFERALEADSILQQSGKDNSCSMNIV
VLPGLMHAKAYPHASKDANGSTWTDTRDGKQVPLHDSILTLLRQDHDMSWYDLLHLCSE
QYKSKKRGAMDPCNIFLSSGTTGEPKAIVWSHSTPIKSAIDGYYHQDIKVGDRVAWPTNI
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CDWSKIRRFSSSTGEASDPATALWLMSRVQGYAPVIEYCGGTEIGGSFLSSTLMDENVPAM
FSTPVLGSKFLLHGSEGFIKGGSFETDIDGSNSGELVLIPPAVGMSTVLLNRDHYEYYK
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>comp10313_c0_seq1; 587 220 1652 LEN=1652; translated
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EPVKEKTQPSLTRTDIELKVVFVKVAQLKKELKRRGKDTAGLKKDLRRLIDAMLEEAQE
QQTQTIPVPNKNTASVPETIEELKDDVNETSISMEVSKVTEGENEAVTKKSSPPSPQP
KQDEKKLAVSKEAKCEKESGKTVKTKQKRLPSIEDQKIDSSSSKQVENKSSSTNPMKET
KQRPEEAKINPKTAKDSSEKNHEACRNVANPFPDESLLKTDISLAPINEMVADSSNGQDK
CLSLNSNEKKPELLTETKMEESSESQKELGVKEMPAPIPEVSISSKVSGTSVKDMVSKFS
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>comp10313_c0_seq2; 825 220 2292 LEN=2402; translated
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EPVKEKTQPSLTRTDIELKVVFVKVAQLKKELKRRGKDTAGLKKDLRRLIDAMLEEAQE
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KQDEKKLAVSKEAKCEKESGKTVKTKQKRLPSIEDQKIDSSSSKQVENKSSSTNPMKET
KQRPEEAKINPKTAKDSSEKNHEACRNVANPFPDESLLKTDISLAPINEMVADSSNGQDK
CLSLNSNEKKPELLTETKMEESSESQKELGVKEMPAPIPEVSISSKVSGTSVKDMVSKFS
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SNTCVSDPLATTLKQAPLIKKPKVVMSPMDTYEMSDREDSDTDDSDSDSDNERMKNKIP
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>comp10314_c0_seq1; 267 838 1473 LEN=1636; translated
MAKSLLEQVALVSQGRERLYKEILACIQDYVRNDLTKFNDEPSELISNRPVDDPLEQIL
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>comp10314_c0_seq2; 352 291 1259 LEN=1422; translated
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LIYQTVRSLRQARSSRLGALQRKLPMLQVLLWTLAAIVLFTFPLLGAGSQTIGGLGILQ
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>comp10315_c0_seq1; 682 197 1924 LEN=2109; translated
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VEIRLDITYSQPVQTVLDHTSKSLFTSLNCKKYSSILLGIIAALAIAGVGMYYIILVKLPE
DEAKGIAGPTSSPTTNLAFPPIGDQRSFAPIPTNELDKALLGVHGTNEDNLFDLSTPEGK
SRDWMIHSDDAIDFDNDVEQRAQQRYILCVLYTTNGTFWTNSTDWMSDLSECEWHGVV
CDGNSFIREIDLSDNNITGPIPYELGSLSSKFLNMSFNLLSNTIPEEFFDLLEGMEKLD
LQKNRITGSIKRTDSKALTYLNMDNQARGYFPFFSNLRTIKIDSNRIESIDIQYWTS
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>comp10316_c0_seq1; 415 293 2050 LEN=2280; translated
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LDRLNTRRLNTRLRQNRDVCGSNADNLSTLQIAKIEWKETLSSKSGSGGEEGKADDDDDNK
QDNGNVPRLSRRFRLIMNPPLLRFYDGESPPDSLTCCKEFTTCLASYPRSGNSLLRSL
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VAPPPICKTHWPERIGCHAYDCQRVLLVRNPFDATDSYWHMCVTNTHTKKVAPSVTEEH
LDFYRALVRHEILQVWGMFLDYWKECSRHNIPLLLVRYEDLVLSPRELQRILEFSCNT
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NNHSISTSSHPSIGRSLRKGGNITPSILQVVDLDDNGWLERLGYHVYRQNFNNLDRLP
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>comp10317_c0_seq1; 1631 1 4165 LEN=4254; translated
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TEAGTATDLPQDDGTGGVSSLAGNVHSNHPADADVDADTGLEPNGQQPTATHSDTEVSPA
TPGPALHESREKDSEDDGGGGGDGPRDDGIAANEVETKRKQLALDLEERVGLIYTGNIHLC
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EQESGAESVDSNIPGAPMDRNKTEGTGANTPAAEESKDGDTTEESKAMGAEEGQVPESTE
SGSSYLPTAETSVEDAVDKASESGDTEHASANRDNGINNGAEGTPNERKDLDENFRK
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SSKVGAAKNDTNKAQEMVIDSPSSVGTNSVNSENLSGRPSFNRIIDLTEENSHGVPQS
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HLGVSVPPELKPPIPEPSDSNKDDTAAQEAADVSTPVDEIAAPPDSKLSDESPHPAAEKNT
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MLQSGLPGTQVPYEEEEQSYMDFVVEESLQPSYVDETVVSEIAPKDHMMSPFMSNLLSSR
LQDMNTSMPLNVPQKVEQENSFRQDQSAIDSPANTTKKFTITVGIHDDDEMTOITMG
SLEDDDVSGNQDDADEPFFDAVASPVSRTPSEKSSNKKSGLSTNSRRSESGISVGSQTS
PESSKQRIAEMLRKQVWSSDTNTVARALEEVEVEARKGFNFRAQIVRCGGVMTIMKMEM
NSNCENISILCCSILENLALPQTQIAVCEMEGILIVRSMQDHAHNAKLQESACAALAT
ICRQQEANTLKDPMKDAEGAVPILLSCMTRYPNNSIIQSKAFGAIASLCTGTHSHDRLTE
LSKAGGIMTLTALQTPWDNKNDQHEAISYLSILLRGI AELNDNKFSLPTADETSKYMKH
DGTSHTSNETESMSTRKDDSNETRGNETAEEKPTYESNGEETTNDDDDDMLERSVFEEI

PDLPI MASSNSSSHVEDIPDLGDIPTMVSNLECCQND DPYGLNLVNRTADQLDVSQHGSQNG
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>comp10319_c0_seq1; 175 246 827 LEN=931; translated
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PTPWLNDKHTIFGRIYSGMGVVQRMGMVATDKDDKPKNAITIHKAVPYRGIPPADEGGFP
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>comp10319_c0_seq2; 167 609 1001 LEN=1105; translated
MVQGGDPTGTGRGGESVYGGKFEDEITRNLKHTGAGVLSMANS GPNTNGSQFFITLKPTP
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GAVLRIEAGR
>comp10320_c0_seq1; 499 280 1803 LEN=2057; translated
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KKRTLDRLFREIDTNGDGVLSKQEI SEYTYQHGTFLSKEDAQELLYLLRQVKDYNGDGI
SPDEFDRSLSRFVLQNKEREELHQLEQEYYPQPTYRKPPLYQTPPVHRPLGSFDESS
INPNHNLNNDGAIDPNHNNHNGTMDQNRNHNNGVIDPNDVNGVEVGSQTHQITSKPM
DVDSESSVERVMLASNRKTFDLFDADGDGTISEDEFDRAAALSALGEKDDSSDKVARYLG
ELEPLERQEMRLDGFDPYILVSVLTAESSFDVINDYQSEWNEILSKTSLASLTPEDWIVS
LLLLTAGTSTFIGIYA AVIFSLTVLYGR TALGMSRDEYFVFLDNTGLQRFRGFQAFSLS
LALFCVLVLELFEKSPTFLWPPIALASAFFLYVGKSEYTFITEAAAPMFAPRTDNDDYD
NDEDEDEGDDAGQDDDNEGKDQDGRR
>comp10321_c0_seq1; 348 57 725 LEN=967; translated
MMKSAAIFALLSASASAFAPAANQQQSLVSLNAAERSKSLPFMNRPALLDGSMAGDVGF
PLGLSTINGVIDLYWLREAE LKHARVAMLAVAGTLQVELFGPAPGCEMATAPNQMDAFW
QFVNAHPQYIVASLIFIMFAEAFSGIAATSGRKSGEREPGDFGLDPLGFLNGSPESVARL
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>comp10322_c0_seq1; 365 1 2274 LEN=2274; translated
XKENVIQPLVSKDSDGYHMNVKIAGECFQGENSPFQYPHPTSLPSIYVSPERISLDGSKQ
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SNETSEWGF DILEELNGEEQVADVTD DSTGMPHLVAERNISMYVNETGGDPELKQTVWSK
HVLDRVNYFFKTKKAMKGETIELLISYFGTYDEIRERKGYGERNKTGQARSDDHFPSF
LERNFVERYDMIEVIYEVDPXDGT YRLSEFLEGIRSNLAEITEAFIRDMQSSSEGIQIPF
AQQI IALRRLNWMKPYFMAK IENMQKIDKSRHKNAAVAGCHSIVLKQCIANAKSLDWGS
WPVLMDLLDKPNLVDRRGINLR TKFREEITEDI CYGVNSTLLCPCNETVWCAVAATLTH
DLCYMIARDSWDYSKAKPSEKLSDDL MQGLEASKAIRSPTSINDLKFDWTVWKRYSLRY
HGETQKERHGTESVLTLPDDCETPEQR LPVPIILTS DHNTEQASILKTIHQPWYLTRQIV
FLVNLFAQKYLVEDKSYSFEKLCVIDVPVETTLMFLKRD IKVDRESCLFFGKDFVSIYS
TGNNLHNGRNGSFASDGENTRPKRNRTNNSSMRGM PVKLI FWNILVKELLKIGWSIER
GNRPNDWYILPPGVKRGQGFKPRVDFFDSCSLLLQCLNTDPRYCNQASIKFIVHIYKACL
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>comp10323_c0_seq1; 423 177 2173 LEN=2215; translated
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ETQTGIVEAQLDRIECIRNEIRGR LTESRDSKAKSVLNGE EFLSAGTNQTWCHPTNRESR
ELKSYIADVFSQRAGQDQC NARLFHREKFESLRKEFSQFIREIAVKNDVPESLYLDTKN
KVTFFVRSRPLSEHEITRGDFCVVDIPRESSNTLALYETSVLPDRKTVDCI HVFKF DAV
LSERASAEDFYNRTMRMNVTHAINGGLGTIIIFGPDEYGLRITILDVEERAAGDLFSDPV
TSTRSISIKFMGTESRGNKLIDLIDPTHSVVEVVKSDGGEYQTEGALRIDIYSARDFLDT
LRLARQRFASRIIRQESDATSYLLCEVLIKNKKGKSGRLNLLLCPSGDDIXNKKKSQSL
TEHNPLAELMTMLQNKSSLDVSRTTSLTRVLAPSILETKQSHVCLVA AVSPSSVDTETS
LSSMISSMEYMKESTASSTEITSRIKNIEAESQGTNDLMLPRQWSKVQLMDWVKRKNLVD
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QMAEK
>comp10324_c0_seq1; 179 1 773 LEN=1093; translated
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FQTQTS LAFTTTAAATKACQKPGVPQQRCDFATVLNSTPEPEGPGDEE EEPQMPTAYVPP
APARNTPQQVAQRRMDPLMASLTRDTSNAAPDQPTQNV PFFGEIPADGTL LLLVPAVLFA
SLGFLMSIVIAVQSSDQIVESFSKVGDTVAQTAIERTN RVYDENTCRGFCGSPQQEDVDA
LQNFMESITRSAREGKQ
>comp10325_c0_seq1; 310 1 912 LEN=1107; translated

LHHNIERKQKIQRIESRRSTSHNTLHHGVKVLQDRDDGGPSESWIMWFRSDTCEEHN
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IEFNQDEAERLFEEAIASSNEPDGHYKAMLYLTDTKKSILEQPTNEAKAQAAWEALGSE
TVKRAIWHLEEAAGGHVFMFNLGIASTYGYGSTDGTDRDFELAIWFEASGMPEGFFAK
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PEW

>comp10325_c0_seq2; 292 104 1033 LEN=1151; translated
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SSDLVVLPGLLPRSVAEMLALLRGHEDADFAVGKTTIVLDADPDSVDGMTSQEFFLDND
SLRSGGSSKGNPNENMEERRDLRAKLRALTDYAYDTLVPFLEQWYKDTTCGRPGRRCTP
CYSLIRRYRAGERQSHAPHHDAHSFVTVVVSLLTDYGREYNGGLYVSTKNSERNYVKLNRG
DAVAHQGCE

>comp10325_c0_seq3; 582 104 1867 LEN=2062; translated
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SLRSGGSSKGNPNENMEERRDLRAKLRALTDYAYDTLVPFLEQWYKDTTCGRPGRRCTP
CYSLIRRYRAGERQSHAPHHDAHSFVTVVVSLLTDYGREYNGGLYVSTKNSERNYVKLNRG
DAVAHQGYLHHGVKVLQDRDDGGPSESWIMWFRSDTCEEHNSEWHRSCAEKGNPTCM
YLRASTEPTTEGGVVHWNMTASKAGHSQASVKLAYANLKMLPSRLIEFNQDEAERLFEEAI
ASSNEPDGHYKAMLYLTDTKKSILEQPTNEAKAQAAWEALGSETVKRAIWHLEEAAGG
HVFAMFNLGIASTYGYGSTDGTDRDFELAIWFEASGMPEGFFAKSMYLGMIKGTQEAEFF
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>comp10326_c0_seq1; 958 183 2126 LEN=2246; translated
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NTVGVSDGISMGTSGMRFSLQSRDLIADSIETTMSAQWYDGLIALPGCDKNMPCIMAMG
RLNRPGIMVYGGTIRAGHQPTGESLDIVSAFQSYGQHLYSKISEEERQEI VRHSCPGQG
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TKAAFENAIRIVMVTGGSTNAVLHLIAMSRSRTRNPDSYITLEDQFQRI SDVTPFLADLKPS
GKYVMEDVQNIIGGTPGVIKFMIDNMFDDGDMTQVTGKTWSQNLLEDLHNPGLTPGQEI IRP
LDDPIKKTGHLLMMYGNLCPGGVAKITGKEGETFTGTARVYDSEPLMMEGLKKNKEIKKG
DVVIIRYEGPTGGPGLPEMLTPTSAIMGAGLGNVDALLTDGRFSGGTHGFCIGHITPEAQ
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>comp10326_c0_seq2; 958 156 2099 LEN=2219; translated
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RLNRPGIMVYGGTIRAGHQPTGESLDIVSAFQSYGQHLYSKISEEERQEI VRHSCPGQG
ACGGMYTANTMATAIEALGMSLPLFSSSSPADSKEKMDCECRQAGEAMKTLLEMDLKPRDIM
TKAAFENAIRIVMVTGGSTNAVLHLIAMSRSRTRNPDSYITLEDQFQRI SDVTPFLADLKPS
GKYVMEDVQNIIGGTPGVIKFMIDNMFDDGDMTQVTGKTWSQNLLEDLHNPGLTPGQEI IRP
LDDPIKKTGHLLMMYGNLCPGGVAKITGKEGETFTGTARVYDSEPLMMEGLKKNKEIKKG
DVVIIRYEGPTGGPGLPEMLTPTSAIMGAGLGNVDALLTDGRFSGGTHGFCIGHITPEAQ
VGGPIALVKNQDPIRIDAQNDKRTIDVLI PDDEWEKRRQEWTPPPLRANAGILFKYIQCV
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>comp10327_c0_seq1; 308 1 1102 LEN=1493; translated
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DLDNLPTGFNDATI QPSDDAFFPLESLGIVSQYFMAVSPRHPLALLALKTAVQHLRKTKN
TMVNRPKTTGPNALKIAFVLFQREVIGIDTNGYVPAGVYEGALDEKLRKHLESGHRGAAG
GANDNIHNNNHYSDDTTSGEPAVPAADSKRTIRVVGPNPKSKEYIHRSGLEHSQKIRYME
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SPDGKLL

>comp10327_c0_seq2; 534 68 1618 LEN=2009; translated
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GSTTNTSSPRSTTNVLP SLEELVDSITNATHPEKDYPCPDGTLPFVDTPLPPAETR KSI

PTVVHVTARSRCVPPAIYRHLHWRLEGHALYFHDDAAVYRLMKHAILDNAHRGLVPGLE
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QYFMAVSPRHPLALLALKTAVQHLRKTKNMVRNRPDKTTGPNALKIAFVLFQREVGIDTN
GYVPAGVYEGALDEKLRKHLESGRGAAGGANDNIHNNNHYSSTTSGEPAVPAADSKRT
IRVVGPNPKSKEYIHRSGLEHSQKIRYMEKFGMPHYHSDRKRKNGATEKVSCEMHIERQE
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>comp10327_c0_seq3; 535 68 1591 LEN=1982; translated
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SRCVPPAIYRHLHWRLEGHALYFHDDAAVYRLMKHAILDNAHRGLVPGLEAVLSCATAG
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>comp10329_c0_seq1; 391 181 1767 LEN=2603; translated
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>comp10330_c0_seq1; 194 1510 2192 LEN=2238; minus strand; translated
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>comp10330_c0_seq2; 257 101 1171 LEN=2794; translated
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>comp10332_c0_seq1; 531 252 2150 LEN=2179; translated
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PAA

>comp10334_c0_seq1; 134 200 445 LEN=1305; minus strand; translated
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>comp10336_c0_seq1; 390 204 1214 LEN=1857; translated
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>comp10337_c0_seq1; 449 236 1609 LEN=1609; translated
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>comp10338_c0_seq1; 222 104 646 LEN=963; translated
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>comp10340_c0_seq1; 353 74 1233 LEN=1423; translated
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SIQEGLVPL LISRQYRGKQATFGKSVLASLQTKQSGDDNGGVMASSESDSEDPATTS AAG
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TVLRANTVPAYLFACKEAVASC GSEEDSDVRI PAGSKRNGKFQTLTLEGSTLGSKINMKS
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>comp10340_c0_seq3; 558 256 1947 LEN=2137; translated
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RANTVPAYLFACKEAVASC GSEEDSDVRI PAGSKRNGKFQTLTLEGSTLGSKINMKSSTV

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>comp10341_c0_seq1; 506 567 2273 LEN=3715; minus strand; translated
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>comp10342_c0_seq1; 264 1 1522 LEN=1800; translated
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FIDPDSGRRHRVFEFEIKAKSINTMSILGANLAHNTVKCNSNSCKIYEMPRQLLNILINK
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RVLTGVKADLFPNMHIQVPMRVAYIAGFKGLRAYMDRYNELEEPVESIQNNGTSRTITVE
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>comp10342_c0_seq2; 264 1 1522 LEN=1813; translated
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>comp10343_c0_seq2; 305 245 1372 LEN=1592; translated
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>comp10343_c0_seq3; 511 230 2065 LEN=2285; translated
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QGELDEDRIAEAFDRLDVKDTGKISKENMMEFFGDTEMT HDEVERMIEEADTGKTGFVSF
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>comp10344_c0_seq1; 389 510 1274 LEN=1698; translated
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FSESRDAAMESFSAAVRGLRAERGVVSSGYRARHWTGPAVAGCQAPSVLYTEAVNNTS
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>comp10346_c0_seq1; 223 1 713 LEN=862; translated
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>comp10347_c0_seq2; 470 319 2058 LEN=2257; translated
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>comp10348_c0_seq2; 788 531 3431 LEN=3642; translated
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NVLSLIHDQNGNHVIQKCI EVLSRNAKAAQEEGEEKATFFGEQIDFIVDDVLDNLATLACHPYGCRVLQRILEHC IERQKSATLENI SKCLRVLFDQYGNVVIQHVLFQGRVQDRDMVLEMVVGNGLLKLSRQKFASNVIEKLLKYGNEDQRKSI VREMLKRVDEKTDTVVEEGEETSI VLLMVRDPYANYVVQTTLDVVPESKEKEQLLKEKLNASHLELVSTVFRHCGFYTHCVWLIREST

>comp10348_c0_seq3; 704 531 3504 LEN=3623; translated
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>comp10348_c0_seq4; 625 531 3612 LEN=3731; translated
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>comp10348_c0_seq5; 679 531 3528 LEN=3739; translated
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>comp10348_c0_seq7; 734 531 3515 LEN=3634; translated
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>comp10348_c0_seq8; 709 531 3539 LEN=3750; translated
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GFYTHCVWLIREST

>comp10349_c0_seq1; 389 614 1594 LEN=1616; translated
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>comp10350_c0_seq1; 227 216 398 LEN=728; translated
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>comp10351_c0_seq1; 1147 363 2912 LEN=3131; translated
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>comp10353_c0_seq1; 352 95 1329 LEN=1487; translated
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DATATKVL PFLFEKGTDL LIESMPDILSGAMSFETARPQDEDDVVQAAMIDSSEAEMKPW
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>comp10354_c0_seq1; 198 159 548 LEN=654; translated
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KRPRYFVQF
>comp10354_c0_seq2; 171 193 495 LEN=642; translated
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>comp10355_c0_seq1; 243 223 1923 LEN=2332; translated
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RYTGSLSD EDKGSTTKMIKIAH HKYNQRVTKVYFHEQLYDHKGAETSCTEPKNKRRLLP
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>comp10355_c0_seq2; 235 223 1833 LEN=2492; translated
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RYTGSLSD EDKGSTTKMIKIAH HKYNQRVTKVYFHEQLYDHKGAETSCTEPKNKRRLLP
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PKIRSKTAHKSNIHTRNTIKIDSVSYIDTNKRMDLHHGEAKVRKDPTGLSELSESGREMKTS
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>comp10356_c0_seq1; 418 120 2348 LEN=2784; translated
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>comp10357_c0_seq2; 1815 319 4269 LEN=5648; translated
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>comp10357_c0_seq3; 1815 194 4144 LEN=5523; translated
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>comp10358_c0_seq1; 140 419 1097 LEN=1097; translated
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AALKVLASGEILTGSLKLHPVDLLGHMAPLAMVQCIVLSFLTGEVSSISARPEIYNNYYP
IGVVLMSGIFSFSLNICSLMANKMTSPLTLCIAANVKQVLMICISTVIFSTKITPMNGFG
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KR
>comp10359_c0_seq1; 540 1 1929 LEN=2052; translated
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NDADPQQQQEEEEEQEPRPSGGTDQAVQRLDSEDLLEDDGNSDDELLFQQILAAARAG
RIPLEYLAAHGINIEFDDGPVEYPFDEPPTS IKDVANFSDQKNASESWSWRGKSADRYLL
CCVAFTAFCXLRILPSLANNRTPKCSVMKNTPRAGLIXLTDSEFIHSLRASNHGLPTFLLR
HDANYHF SRKRRAGMSVASGIPDFRSSNGLYATLDASKLTATPEQVEQIRADPSYSLDQH
LFMENPLPCLEVNREFILGVRERRWKATLAHRFVEMLRTRVTNKEGGGKLVRLYTQNI DG
LEDQCEGIGHQRRIAVHGSMDEAEACATCGAAMDFDVF CGRVKTQIKDILGKDP S APLQST
PIVCE SCGAGTVKPSIVLFRSRLPDVFFQNVPN DIKNIDLLLVLGTSLAVAPANSLVMKI
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>comp10359_c0_seq2; 670 1 1689 LEN=1812; translated
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RIPLEYLAAHGINIEFDDGPVEYPFDEPPTS IKDVANFIRSEKQRILVLAGAGMSVASG
IPDFRSSNGLYATLDASKLTATPEQVEQIRADPSYSLDQH LFMENPLPCLEVNREFILGV
RERRWKATLAHRFVEMLRTRVTNKEGGGKLVRLYTQNI DGLEDQCEGIGHQRRIAVHGSM
DEAEACATCGAAMDFDVF CGRVKTQIKDILGKDP S APLQSTPIVCE SCGAGTVKPSIVLFR
SRLPDVFFQNVPN DIKNIDLLLVLGTSLAVAPANSLVMKI PRSSMRVLMNREPVGWHLGL
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>comp10360_c0_seq2; 461 1 2424 LEN=2711; translated
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SLPVFCISANDYLKVTGIKPS SDGPANCFSSPVDTQILRLREHVHEATASRAEFTKSFV
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AITLKP SLASGARKARASAMPTVDSWGSKCRRTKHECNRHRNGLHFATYGATARRNGVYV
STSAGAI DLNAELVAPMEAKFTPAWQS IMDVAVLNLI SESEKVMELCNQTD RALLNGFC
STGIEKERVARMVSI SSTNCKNNVRSCFAAMRNTVVEDQRNLNR SLLPKVQEAMNTSYSA
ALGVRGGTGTFNRMKDAMHRCSVP TVNEVFDKGMNELLA AAVRSMVEKLGDSIGFLKESIS
VLSSSVYILWEDQNSRMSTDPVRLQKILACRAACL PVLNQLREQQDEV MKALGIERPVL
DLEIAGVETWEEKNAKMQAAKQTGDFVDLLDSDGGHDASGTVLLSFMKQEEQSRATTI
LPVKNEMESRVIESNNGTGTPTPITL DLCDSDNDSYDDANHHYHIRCVIARVGS LGMS
IEKVMGYFVTGIRQNSQMVGKIFPGDILKSIDGKRMGVLS PGFEFQEYIMRNASKEKRRI
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TKEALVESLKGSTGRPARRICVLRSLL
>comp10361_c0_seq1; 124 81 455 LEN=455; translated
MKLSLVVIVIGCFAAVDLGVSLRNKISNRDELGSRKETDRGDERFPRQLIPESPEEATVI
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TGYPT
>comp10362_c0_seq1; 863 96 1649 LEN=1649; translated
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QTFFLAKTGRVFAVLNDILRFLASVPEEGPSGEPVAGGASASPEAVPEAPVPCAPKEVPEK
PGSALVVEKKSEAAEEKAAAAEGSAGDSTGDESSAPGGGVEESKEEAPDEEEAPKAAAPS
DGGKKRSSSKEGKGGKKNKGGKQQQQQQKQPPAALQADPRVLGQPGGVRGKRPNTPSRGA
VQEKKAAAGATGKGSQKQPLPPSDKKEAGKPKENGESAAGATEEKGPEKDKSSRTPNPN
ANANTKHANANAASAKDQKPNKVKDNSTGKDQRTKRDPDNTLVIKNLSDSVKEQDIINMFQ
PFATLTKAKIVGTNVNYHRNLAFVDYDSVAPVLAALKKHKETPFEWNGRVLVDVDQKTQEQ
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>comp10363_c0_seq1; 421 221 1594 LEN=2005; translated
MNNISNQDHSVSGDNEINCDRNQQIDEASDTTVGTTVGTADTTADTTTENDAGNNQSGEEL
VWYFSYGSNMNPEVFETVRKIKCLDHRVYVPGYVLTFTTEGILPYWEPAFCTCVKRGEIP
PLRSRNRNQSADASCSPREPERPDHGVAFITRDQFEHLLVTEGGMGFQYRKPDPF
WNVGGYGVVEVGCIEIDPVFGDENDDGGRTSEGTSQPCDAHRNEPTAGSFEKKAFSAL
TLVGLMGRQRYDCNASQRYCNLVRVGARSSGLPGFYREYLEREHPAYYCALDDPELPEL
RSRGIVLAKILFVALSIPCCFFGYMVMKVCWFERFGRFGKRKRNRDGGGGGFSFSGSAT
NSGDPNTVRRPGRGVKFRGGGRPPWLLMKACHLYQSTVAGRILPAILFDWWGIPCGFHN
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>comp10364_c0_seq1; 341 170 859 LEN=1029; translated
MTASVSTSILRTTNIEMESSNCPNKIFISFASDKHYESKHPVKDCGDCSNGSVDTNSTSF
SSGSGSSLQLRVDTKPNINIYINSTRSILRNSRSSKRPLNVFSSENIATVHVVDNLKLS
LTRKERKRIWGPALGLFDLAEELYEDDEEDKDDDYSMESRLRKFNGNLSSQGDNETDQK
DKENTKESKGQEHISIPKQSKLRSLSKSHMCLRGIRKTKKIAIDPFRSKN

>comp10365_c0_seq1; 122 1 557 LEN=557; translated
XYVPHTRTPWLWLNAGAPQNEKQGDSDQPVACSGAPNHQRNEMNPIDAFASALNRSID
AAVAYLKENGVAIAMLLAGVYFFRSRYAGGKASRGHVLSPPSEAAGILENSGNADSRRED
MRRARERQQELATQRSREAAVLKAEKDAEERDRKNSVARNNATHGGNRLGSGVAVHGGGG
GGGEGG

>comp10365_c0_seq2; 790 150 2525 LEN=2780; translated
MESGSAKTSDEQKLSLLPGRNQTDVASTSEHEAGVLNKNDIIKNADDNNNNEEEELPN
DVSRIQDQLSSLPLVCLNQNSKTKKERPLRHVDENGNVSTYALNPMIYSVIFILLVELLER
FSFYGVNYTMTSFLTAYDDRKKHFLESDRWADMSAVQASSMVSISTAVAYSAPFAGAV
LADCF LGDYKAMLVGSLCFYIPGLLLIMGSTIPHLWGLETFSHKALCTGLLVLPVGTGI
VKSIVNVFGAKQFHPLQSSLIESYYVKFYMCINIGALIGGIIVPLVAQSDVTLAYTFPV
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STSSVDTVDSVPPAPSSSKSSSKNGSPSASGLTIFKISALIIPFNIAYSQMATTFFIIQG
TVMKRAFGWIDAASMNADAVSVLVFGHLVGLTHLYPYLNRHDIKISTTNKFALGSLGAL
AIAWALFLEHKIYSTYELTGNKVSILWQSI SYVLIGAGEIFAVSAAYEVAFTASPEQKV
LASALNLFVGGIPNLLCLVLYNLFQGWFPSTGNHSSISLEDYVSAEVYKYFMVLFGLIA
CCGV LINTFPSVHRYVRSVEESAAGAIKTPILRKTPLARRRLQRKYNSGSGSGSGKKSRY
GRQASDDYSVSTATDETDEEALSLEASPLLRMERHKAYLKYGSGPQLYKSGSMRAGPSL
SSREGDDVPKKS SVLNKQQVDRLYRSTSTRNGKSKAKKSSNLIMTPEGKPLRAGSFKGRD
RNFHSERHGM

>comp10365_c0_seq3; 682 150 2282 LEN=2406; translated
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DVSRIQDQLSSLPLVCLNQNSKTKKERPLRHVDENGNVSTYALNPMIYSVIFILLVELLER
FSFYGVNYTMTSFLTAYDDRKKHFLESDRWADMSAVQASSMVSISTAVAYSAPFAGAV
LADCF LGDYKAMLVGSLCFYIPGLLLIMGSTIPHLWGLETFSHKALCTGLLVLPVGTGI
VKSIVNVFGAKQFHPLQSSLIESYYVKFYMCINIGALIGGIIVPLVAQSDVTLAYTFPV
AMLLIGIVLFLSGTSRYVRHPPKGMDFKGVNIKWWRSSRSKKTGTQKKTLSVTSSIDSAT
STSSVDTVDSVPPAPSSSKSSSKNGSPSASGLTIFKISALIIPFNIAYSQMATTFFIIQG
TVMKRAFGWIDAASMNADAVSVLVFGHLVGLTHLYPYLNRHDIKISTTNKFALGSLGAL
AIAWALFLEHKIYSTYELTGNKVSILWQSI SYVLIGAGEIFAVSAAYEVAFTASPEQKV
LASALNLFVGGIPNLLCLVLYNLFQGWFPSTGNHSSISLEDYVSAEVYKYFMVLFGLIA
CCGV LINTFPSVHRYVRSVEESAAGAIKTPILRKTPLARRRLQRKYNSGSGSGSGGTGPT
SRGRNPLQPWNSNSSYSRISVRIKTKRDEAGAEVQSVGKRIVIWLERKAMH

>comp10365_c0_seq4; 634 150 2210 LEN=3720; translated
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FSFYGVNYTMTSFLTAYDDRKKHFLESDRWADMSAVQASSMVSISTAVAYSAPFAGAV
LADCF LGDYKAMLVGSLCFYIPGLLLIMGSTIPHLWGLETFSHKALCTGLLVLPVGTGI
VKSIVNVFGAKQFHPLQSSLIESYYVKFYMCINIGALIGGIIVPLVAQSDVTLAYTFPV

AMLLIGIVLFLSGTSRYVRHPPKGMFMKGVNIKWWRSSRSKKTGTQKKTLSVTSSIDSAT
STSSVDTVDSVPPAPSSSSKSSSKNGSPSASGLGTIFKISALIIPFNIAYSQMATTFFIIQG
TVMKRAFGWIDAASMNADAVSVLVFGHLVGLTHLYPYLNRHDIKISTTNKFALGSLGAL
AIAWALFLEHKIYSTYELTGNKVSILWQSI SYVLIGAGEIFAVSAAYEVAFTASPPEQKV
LASALNLFVGGIPNLLCLVLYNLFQGWFPSTGNHSSISLEDYVSAEVYKYFMVLFGIA
CCGVLINTFPVHRYVRSVEESAAGAIKTPILRKTPLARRRLQRKYNSGSGSGSGGTGPT
SRGRNPLQPWNSNSSSYRPARRTPNA

>comp10366_c0_seq1; 692 1 1856 LEN=1955; translated
XFEIAFKMGICHSSLEAETGNGDTCVETIAGADFLAKKNYHRRRQSTKSTPGGKKNLAYD
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DSFGKEDTDANDNLMNKFGQQSILQSADHINENESIQSMIQKFISETIDADSDLNLTLM
SKPDPPLLAPPKDVNVVVISSNTDTSINPVTVANFNKMKLEVKHAQNLEKRRRYEEKIE
DRRRDIQGYEELWGEYSEIKERVIQQRKIEAESPPKKTGESISLNDSTTWVDFSTLKS
TNHFYDTLVVNEHNSEHENRQPSSTSSPLIESSLQSRKILQSTTMQRQKILDEHSIHKD
YAVQPNKLEKQPVNNDICIESINGGKSITVDLDGSIISDLNNGSNSSMSTSDTERGFHND
YGVLRYSRKSIESTVPTHMDNFFAQVDDADLLDTRAFFSAQTPRKGNSTSVCIPIFSKYL
EENCLPSVSIENAELGTIRWRKFPNSNCDKVKVSRKIDFSDHNLEAMRERTGVQLNNSEVD
NDAKVHSDENCKATPEAFTPILLNTITDPEPRARFIESNHDIHEGTDKEGTNLRRLVRKV
GPQLNDLLTRKDNGLGE

>comp10368_c0_seq1; 316 255 1397 LEN=2121; translated
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VVVACLVDVRETKLVWIGIIFAMSISKIAKVGHPVAFLSLAAASYFLFCLQPLYDGEGLV
VLLGIIIAIYIQRPEASRERKGDIEGDDECIVRSIEELRQIMPAGLGGNCLEDAKKVIGY
LDDQMINFIHHSPLIYLATVDNTTKYPFISPKGDKPGFVTVRQNHETKHTLIIPDRPGN
RLLFGLQNILQRESGTDHETAKVSILFEVPGTGSTLRCGGSAWLSTDPALIRKHVARGC
PPKVIVLVDVDAHFFHCSKAYMRKSVWDPKSWPSKPLNVTFGRYFAKKGSLASKIDSVD
DKHYQQIQKAIDGEACEEEK

>comp10369_c1_seq1; 419 127 1158 LEN=2060; translated
MMIALYFKVFSFLAVLSYCESNANPNYDKSSNYQHQQYEQPREQHHPSPSSSNVPRLIGL
NVNGRMKCLLWGNPPTFSPSALTPLFSSPIAGNEEDNIHADHDCSPSRQVETRFEGIGER
TSQQNDEKTRSPSSLLPGAVFATTDYRFRKDRWYGVVERIGMIFRWNVPSSLASSNKSNG
ERQETALCRSRKRIASLLPTTIDVTAQHSLFSPHSSKSTRNHRKNYFAPFADSGNIRVG
WRENEESEDTEYDDARGCSNNPWIQIGFEQPLYATTTIENDLLSIDHKQGTDEQNPFFHL
RFFFLIRRRLDLQWTSFWGNGITKDDFGDRDRMGNRQSDDPW

>comp10370_c0_seq1; 224 1 1028 LEN=1072; translated
XLMRCKFWEARKQVTSQEPGNLKRTRTTVLRFTTSWKPSIVVNYDTPSLYFQSFSSKELSC
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DEILKSFADIDHTRSSRTGFPEAVFGAGKTANQIAMILDDMARHFNEKVSEGQGVINDSQ
RAILATRVSPELYESVKSIQLSHGHLVYHPAANIISMIPSLSTEKNIDCENSLPPRKRIV
VATAGTTDLPVAEEAAVVLEAAHCKVDRIFDVGVAGLHRVVRALPRLQDDEVGCVIVCAG
MDGALPSVVGGLVSCPVIAPTRYVVLRTFALVVCIIYLLSKI

>comp10370_c0_seq2; 291 1 1103 LEN=1193; translated
XLMRCKFWEARKQVTSQEPGNLKRTRTTVLRFTTSWKPSIVVNYDTPSLYFQSFSSKELSC
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DEILKSFADIDHTRSSRTGFPEAVFGAGKTANQIAMILDDMARHFNEKVSEGQGVINDSQ
RAILATRVSPELYESVKSIQLSHGHLVYHPAANIISMIPSLSTEKNIDCENSLPPRKRIV
VATAGTTDLPVAEEAAVVLEAAHCKVDRIFDVGVAGLHRVVRALPRLQDDEVGCVIVCAG
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LAYKCVL

>comp10371_c0_seq1; 318 111 725 LEN=916; translated
MASVLSYHIIIVLVIAVTFSMQDSAAFVSPGSKTIKNNPLVVHSDWSDFGVLDDDDDD
ILVDRREYAKEEDDQEVKAQVGASLDPPSIDDESALYDPLFVPAGSQLELDEETVLRMLQ
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RIPEIIDVTVEDEWQLSQEANEAF

>comp10372_c0_seq1; 1422 163 2874 LEN=3241; translated
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MLFTDVLNVCVQTGNIELKLVLYLYLINYAKTQPELTLAVNTFVKDSSDANPLIRALAVR
TMGCIRVDRITEYLCEPLRKALRDDDYPYRKTAAVCVAKLYDIAPEMVIERGFLDTLHDL
ISDSNPSVVANAVAALSEIAEASGRDVMKVSAAVLQKLLAALNECTEWGQVFILDSLAKY
TPADGREAEGLIIRVTPRLQHANSVVMSAVKVILSYMELMGGGANIRSDAIRALTRKLA

PPLVTLNSEPEIQYVALRNINLIVQKRPHILENEIKVFFCKYNDPIYVKMEKLEI I I I KL
VTEKNIDQVLELLEKEYSTEVDVDFVRKSVSAIGRCAVKLERAAERCIGVLELIIQTKVNY
VVQESVIVIKDIFRRYPNRYESI IATLCDNLDLDEPLAKASMIWI IGEYAERIDNADEL
LDTFLETFEEDPAVQLQLLTATVKCFLKNPEDTQDMVQRVLDLATEESDNPDLRDRGFI
YWRLLSTDPEAAKMVVLGDKPVI EDDTFRLLDPLLNVLIGQIATLSSVYHKPPEAFVRR
AAGVIDHGDDQGEDDDEGDYGGAAENDGVGDLDMGGMSLGGGKAAGPAGSSYETKAPM
NKVCGAEKSGGIEI SAGFRQVNGTITMEMQIENVSSPSEVKALAIQLNKNFGLSPATQQ
I ICNPPIATGQTGTATVELVVTNPMVAPPQGPQSPASPMVQVAIKNMQTGTVFYFAVNCNL
EALFTESTMERSAFIESWKS IDQNELYGTVDLPPSSTDIDKVINWFKANKMFFVARRP
VPNAEGQEVVYFFSRTVAQMDFLVELTFKQGV TACKICLKTESSSYGLLAKQAVESMLRS
NPQ

>comp10373_c0_seq1; 748 221 2545 LEN=2636; translated
MQNDSNDDVGGRRARQAL TSAETSKERLEELYKIPKCKLPPASEMAAIETFVVNAIQSQEP
RNADTNNKLDPTHSEAYRAIL TALKRPNPPMICKVLLALRTAGHGSILSLLALRDNHAQ
LLHLVIRFVSTLPTFDETLTGDPGAMLQVYKDYSLCDAHFNLLLAIVSAKSTHVVPVLT
AVWKL LTNFGPIEDKGV IHR IHSMI FNVLR LVPKMSDVYPI IASKFPFWLKDKESLVWY
TKQSFKVL DYLP SIRQRV FELLIEKVEIDVNI FIKDNGDVTIDETEQRSAEDEDEY GQK
NTNKS KVN LNTSVDVLSDKLDALLELLFDNI QSGCQAGVSSTQKIYHEL VQIFESTILTT
HKSKFVQFCIFLPCGLEAQ IASNNEM IENIEQKSNESPITVSASNSKGVIEHEEEAILYR
EFASKLLQILVDPYRATTTTRQSCACYLASFVSRAAFIGIDSVCESISALLTWAEAYIGSL
GIYSVRAADARQQSEHHALFYTV CQAAFYIMSFRGNEAIEYRNAV KYEAAANADGTMNDD
LGQDNDEPQYPDLECINLDGKRWTS LCGHALQPLRF CLESVRSEFLHMAHFYTLIDEEVL
NKL VADAKRLSTGRVNKKAASSIKTAATLERRRQTGGVGG LGRGSNPLKSFPPFDPLLLR
QSHGYIEPLYKYWEGPVEEEDVLVIDEIQRDGDP TFYMDDESIEESDGENENSDDDDDD
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>comp10373_c0_seq2; 608 137 1816 LEN=1907; translated
MSDVYPIIASKFPFWLKDKESLVWYTKQSFKVL DYLP SIRQRV FELLIEKVEIDVNI FIK
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QAGVSSTQKIYHEL VQIFESTILTT HKSKFVQFCIFLPCGLEAQ IASNNEM IENIEQKSN
ESPITVSASNSKGVIEHEEEAILYREFASKLLQILVDPYRATTTTRQSCACYLASFVSRAA
FIGIDSVCESISALLTWAEAYIGSLGIYSVRAADARQQSEHHALFYTV CQAAFYIMSFRG
NEAIEYRNAV KYEAAANADGTMNDDL GQDNDEPQYPDLECINLDGKRWTS LCGHALQPLR
FCLESVRSEFLHMAHFYTLIDEEVLNKL VADAKRLSTGRVNKKAASSIKTAATLERRRQT
GGVGG LGRGSNPLKSFPPFDPLLLRQSHGYIEPLYKYWEGPVEEEDVLVIDEIQRDGDP T
FYMDDESIEESDGENENSDDDDDDSDIDHSEALSDSEG YDRPSNLLTPDAYKIKLLQK
AWTETLKRPRS QSMENGSW

>comp10374_c0_seq1; 536 115 1575 LEN=1836; translated
MTKR I KATSVVLYCLLWGGHRVDGFALS NHNPSTSSPLQTWAAQR SKCARSSLLSLLAE
PRNKVQDDNNNDGLPLPEKSSLSNPKQTTTNV LVVGGSGRVGGSTVRWLKEFSSRDP SM
DLRIKVGGRSRRSFEKAKQ TGVIPPADPDCVNGNCSNQEIGFVHLDWAGWTDQVIEEAIL
GCNCGLVVHTAGPFQGRDPTLLRCCAKHGIPYVDVCDEFELAQTAKEGSGEAAATNGVA
AVVASGIWPGVSALMAAEAVGKLRDDGKEPGSIDFSFFTAGTGNAGPTIVSATFLLLATP
VIAFRNGAKTLLPEWTEPRETFDGP AVGKKNPWL LDNPDPVTTALSLGVPNVASRFGTDP
LPWNYLFGAMKAI PRSVLYNRDLMQGFALFSEPI IRFVDKLVGATNAMRVDVVS EDGSET
VTAQIVHDDLEVCVGLATAAFALEVLKGTGTESETIPPGVWYPAELPKEARANILEAAKEQ
SITFSV

>comp10375_c0_seq1; 165 1 625 LEN=625; translated
DHIIIVK YLSYHRSLQRVESIELYHCSIVAIIRVAMKSF RNIISSIFLLSTLSVVTFCFVI
PPI SGAPTTSSSTVCQSSQQEQQMAMKWFQHEL SITAPSRGCHLITSNVQKVISKDISQI
KIGMCNLFVQHTSASLTVNENADPDVRRDLETALNKIVPASWNHDGTFRHTMEGDDMPG
HVKTSMLG PSLNIPIRNGRLALGTWQGIX

>comp10375_c0_seq2; 218 1 708 LEN=1166; translated
DHIIIVK YLSYHRSLQRVESIELYHCSIVAIIRVAMKSF RNIISSIFLLSTLSVVTFCFVI
PPI SGAPTTSSSTVCQSSQQEQQMAMKWFQHEL SITAPSRGCHLITSNVQKVISKDISQI
KIGMCNLFVQHTSASLTVNENADPDVRRDLETALNKIVPASWNHDGTFRHTMEGDDMPG
HVKTSMLG PSLNIPIRNGRLALGTWQGIYLNHRDQGGWGGHTRNIIVTLQGGG

>comp10377_c0_seq1; 695 1 2501 LEN=2973; translated
XVKNLFGHDNRRKAASPEIQNANPSKPMYGRINARHQKQIKVETETEKVTTKQQSVSTMQ
PKNMVKLLKRRMLPRRSSTGNMNCIDISYSTVTTTNSGNSSVITNEMSVTDDFQKERISD
VHRRAGNGSSQKQQRQQQAKITRNKLTRRPRRRHTMDHIDRDDDDVEHSGDNPM SLGS

LLRFGSENTCGLTENEDYDLVNNYPCPTPPTAFESVTIPSKPLKSTTTTTTTTTTKMRTR
FHRRSSLARAASSIVTTTFETSRNWFSTISITINSNTATSPKVLQHTENISNVKDENKFAAN
LQLQFDSEQKQLQHLAREMHREGHFHRAIMYWEKSLAERNRDFSSLSLSTEIRCMLLR
LHFQESKRLNQEPQNETTDNPRGSPSSCDESLVADLSQHSLSLAEEVNSTSFDFQEKQKR
QLPASSENGNAATYHRQEAQQYINGIKPVMVQPGWLRDHSMLNFLCEAKAWELALVVAK
GLSEKSLSDQLTVEEEEEFEKQRPPEPPIVKLVDPHMLAVIHFHVASLKLKRHKQGEAL
QHLQMTVQRFQEVSAQDRDNTMYINALQLLATEYQAQKSNLALKTFRNLQNHASSEQYA
RISSRMAEIIYIADGQLDMALKELESTYDQYEKNSNACGDRSNSNPSTKNTIRSQLLQLKG
DVYCRGRMDESLEVYQQAFFEEAQYPPDKAKLLYIMGRLYNRMGRTHDAISCFEQEMKVT
QVELGANHVSLCVIYHELAKLYDEGLGLHKIAMKYYKALEIELSVMDLDRSTVVSCNKC
ADISSNRICDKHANIHSQVQGIRETKNICIRLHYKLGDLKGAMKTGLSSDPF

>comp10379_c0_seq1; 289 1 1845 LEN=3209; translated
KKLKAARHLWQEQPSLKFGLPELATAYSPLQPPQSMSAAPRRPKSRSQQTTPNSHQDQNH
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NKNNRVHSGISPIISKQRQFTDTSLHKLKQTRADENVKSNAGGKGGDSSPQDAPYKIVHSL
TTRFMLGQKGQPVLARARYLLFETFCQPTVRYQTALRAKGYDFSWFVFDVPGIDPAVIED
MRALLTPSTDGEGDPRFPDGNAYLILTDNPSWAADGIGVPGVTSYGAGFQEVAVARDGT
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>comp10380_c0_seq1; 225 132 785 LEN=1233; translated
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>comp10380_c0_seq2; 364 122 775 LEN=870; translated
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>comp10381_c0_seq1; 745 248 2086 LEN=2642; translated
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>comp10381_c0_seq2; 771 248 2101 LEN=2657; translated
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>comp10382_c0_seq1; 1382 146 4222 LEN=4381; translated
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>comp10383_c0_seq1; 516 1 2214 LEN=2513; translated
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VDTDDGRGATKVSSESDSLRTTEEAAPFVNQSMVEVEVEVEDSATNRSLVNKLFFGAPR
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VTTEAEIVETPKKSIAGDSEDSINCNSDGDSDGGDSGYTFFLPDESTRIILLGSLLFATTR
LGWLSDDPADPVALSNSPYGFTIGFLQSFISLLSGGQASAPEVRHGLQIFILLLAIHQTV
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>comp10384_c0_seq1; 762 1 2521 LEN=2981; translated
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RLKGLVARGKIDEAEEMFAASFNGSDNATSATESQETTESDGNENIQGRLR TYMPLMEHY
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YRALKPGGRMAICTTTIQSPLDEEERSDGGGIEWPVCMRMFAELKSI EPVCEQIGFCDV
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>comp10384_c0_seq2; 866 1 2445 LEN=2445; translated
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RLKGLVARGKIDEAEEMFAASFNGSDNATSATESQETTESDGNENIQGRLR TYMPLMEHY
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DDDDHNRNLYGPKLFDLSVDMANDILEL TEATANELAEAFRTGIKEHLGDTLITEEKVE

SGPSAKSVILDRVELPKGNGTCTPITGVKLRLLALDETRQHQVHDTLLEMSKKNTEEFAS
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YYGHSNVHYSSLKVVETLESMGERPLVIMPEKYTAKKFYVRPRYYQKLSEKDLQVIDWL
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RDHKLDDLEPREFRWC SCHIVNYDIGEYDEDEWE

>comp10385_c0_seq1; 250 158 1321 LEN=1764; translated
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LDAIANLKTQQTGSSPSPEIALT SKYPPEPVDGKIGPFVIKSHVDDLEGIQEMMREHKE
KFGISIHFLTSHREGDSSNFSDLSSYDQELSNLYNCMCEIDNYAPIFGLTAEDLRILKE
YMSHFELRQCCGFQQSKYNRYRLHGCNVTELLSNPSPYCYCERHDIEQVETKFAALP
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ILTAKRKIGPTDSTAKRAKRKSDRF

>comp10386_c0_seq1; 577 1 2104 LEN=2104; translated
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VEADQRALSKEGNFMVPPVPSKWQKVPPELLQSEIEKSKLAKGDPTGIMAKVEEERSVKET
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NIMTDSLDRPLCLLHPDALSKNGLHDSNMYQNLIASGSKVRIEGLTVHSDVDKNNKNG
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QGAVMNGKKKAKRLDLPVDFQFADASNSNLLDAVDADVVALHACGHLSDVALNHAHRR
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>comp10387_c0_seq1; 445 1 1028 LEN=1175; translated
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FDTKRYLMPHYSIEDEETGESDEVIEISPGRLDYTFGMNPYWDDEEEEEEEECGDEKN
PFASLEFRPKILAEMLDRMLRSYKSYAGALPVSAANDNDSDDNESNSNVPRDGPWHRD
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>comp10388_c0_seq1; 406 1 1152 LEN=1263; translated
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QEWASSMARLLAAQARETPGGDTLPRYLAALSRLVETVQDPYWEPTLFNLAHAYRKERRF
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LLHSAIDAYHRSLAKKPEDPFASEM LQKALGDALEQTDFFLGESEEDGEHVARGGVDDPPD
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>comp10390_c0_seq1; 597 1 1261 LEN=1386; translated
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RSREYRRLMIKMLGKEYVPLALHLLGGIQFGLFAKRSILEEIEDVCVADVT CGIGNVFHN
KGAIAAFVKVKARNDKQSSTDERRSKSLRMVFTAHAAHVKNADARDSDFWRISSELEA
QAPEGFLPRKREGENPSGSFLFDSVDRVFFCGDLNYRLDLPRELTEHTLLHKT SQDNP II
KDLLRHDQLIHSMAGGKSFPFAEGKITFMPTFKYDKESSYDTSKQRI PAWTDRI L FQ
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>comp10391_c0_seq3; 236 164 953 LEN=953; translated
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AIGRLDADTTGLLLL TNDGRLVHHITNPNSKTETHEHYDTSTGTTAATISKTYQALIMGH
HTEESLEPIRRGVDIGKNYITKPLLEESDLQVLEHPNHKSTIVSITIGEGKTDKFXKMFH
AIGSGVMKLRTRIGDHLTLDG VX

>comp10391_c1_seq1; 210 242 1198 LEN=1775; translated
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QITQVYGFYDECLRKYGNANVKNFTD TFDYLPMTAVVADRIFCLHGGLSPSIDTL DHAR
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QLVMEGYQWQHNRQVVTVFSAPNYCYRCGNQAAIMEVDDFVDQTTKDTVHCHCKFSQFDP
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>comp10391_c1_seq2; 187 242 859 LEN=1938; translated
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>comp10391_c1_seq4; 210 242 1198 LEN=1694; translated
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QLVMEGYQWQHNRQVVTVFSAPNYCYRCGNQAAIMEVDDFVDQTTKDTVHCHCKFSQFDP
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>comp10391_c1_seq5; 187 242 859 LEN=1857; translated
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>comp10395_c0_seq1; 787 101 3392 LEN=3690; translated
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>comp10396_c0_seq1; 699 471 2564 LEN=2623; translated
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QRPVIAKDVITLEYDAMDRPALSGVTTNIYSGDRVALVGRSGSGKSSMLRTMLRFYDPSS
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>comp10396_c0_seq2; 512 1 1654 LEN=1713; translated
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LDTRIGEGGRSLSGGQRQVVAIARATIREPQVLLLLDEPTAALDSESEKKVVQSLRTAMKQ
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DLEHRVTHASS

>comp10397_c0_seq1; 182 1 787 LEN=956; translated
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DGGGDWIEIEAPPDRPPRAPYPYPVASAAADARAATAAAVPTNSTDEHYFXEDRDAGL
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>comp10398_c0_seq1; 313 257 676 LEN=913; translated
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>comp10398_c0_seq2; 361 70 597 LEN=834; translated
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>comp10399_c0_seq1; 486 59 2068 LEN=2068; translated
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ADRIPTTYVEHYKGNWLNINSVGTGSDMLWKSQVNDSEWSRLTDPKSGKPLLDGIP
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SSILVNYESLTPPLQYVQVDLREPSNNDKRIIVMTKPTPNYESDRYVCDRITVTSRDGKT
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>comp10401_c0_seq1; 184 1 909 LEN=1485; translated
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RDLDSHCEQIFHTDSAKMKTGRRRKCDLSLVGEAVATPAGRNIPNAKHVHLHVVPDRIT
HYDDGVTGDGEDADLLALLRTTYNSVFCAETDAKAELAIIPALGCGIKGWSHRVSARIA
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QN

>comp10403_c0_seq1; 409 90 1169 LEN=1706; translated
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TPANFAAIQLIQEQCKKDEISMVDATFRWLLCHSSLVADFDGILLGASSLDQDENLAAC
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>comp10404_c0_seq1; 218 1 343 LEN=858; translated
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>comp10405_c0_seq1; 944 118 3261 LEN=3354; translated
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QGGGGDRLISPSPTTQPSTSSSKGRFSFAHGGGGDQLISPKATPSTPSTPSSIKSRAVPE
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KLATKEALRKVLMMLSEGKRKITMTVMKKAILSTKPSAIKSVTVEVPSVPWTSIGGMEEVK
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LLSKWLGESERALAALFRRARLASP AIIFFDEVDAIASKRGGSSNGGGERLLS QLLTELD
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>comp10406_c0_seq1; 327 237 1367 LEN=1885; translated
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>comp10406_c0_seq2; 327 237 1367 LEN=2020; translated
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LDFCRQQSECQPNKKKKKCFLLLP HFVYTKDYQRALSSNLIENSKTNPFFYFLVPEIR
YAYIPPAWVAERSGASKALVKGETTAPFPSFWYCHGPSTSIQQQIHHHDEAWLRETFG
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>comp10407_c0_seq1; 384 199 1801 LEN=2361; minus strand; translated
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IYGRGTQDMKSVCMQYIEAIRAIHATNPGWKPERDIYLT FVPDEEIGGSGMAAFLDSDLY
KNQMPGIALALDEGLASTTNIFDVFYGERLPWWVKVTATGR TGHGSRFIENTAVEQLEL
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DTPRLNPWYAAFCDALHEMGEVSPQVFP AATDSRFLRALGIRALGFSPMRNTEIMLHE
HDEYILEENFLEGIEIYAGLIAPLVPKTKILIVELVEHSTR ISMAKAKSAVKEGICHQR
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>comp10410_c0_seq1; 978 1 2059 LEN=2094; translated
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GIKFFGELEELKADGKSEVPGKAFYLYDTLGFPI DLTELMAEEAGLTLDSKGFANEME
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FGGYLLHTGVVTEGSFQSGAHVDCRVDYERRRLVTPNH SMTHVLNAALREVLGDNVDQRG
SLCNDEKLRFDFTNKKALSAKQLKKT EEICQVVSDSLPVTATTMPLAEAQAI EGVRAVF
GEVYPDPVRVQVGD DCSI EFCGGTHVANTAEAEAFV LVEETAVAKGIRRI TAVTRDTAK
EAI EEGK KIESMVVELEALDDKTEGLDKKAGAARKDVDAAF ISATLKADLRNR IEGVQKK
ANEVKKAAALAA RVDLVLDKDVRTQVEDALSKDARTLV LNVDINADSKASQV LNAVKKIAP
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AQECSDVDAVVAASESFAAGKVTIEA
>comp10411_c0_seq1; 285 250 1341 LEN=1341; translated
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ECVNPS PCEAGDCYSENEFFPTTKCDELEVSMTPNCWDGVRIDSAPDHTSHVQYADDSA
FDGECPE SHPVKIPQIKLFFRIMPYDGGWHTFSDLSSVYHSDYVAGWEEGILQNVLDNCE
NEGEDAMPNFFCEEFLTFRDAPKCTDPEACDFADPQLLEKIKAFQPATPLDIRGTIVAEE
TEEVVGNLPRSTCNGSLVGDGGGNDTSVPTPAPFAPPTGPPSVSPNVDDDPSSGSPFIW
SIIW
>comp10411_c0_seq2; 233 250 1460 LEN=1460; translated
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ECVNPS PCEAGDCYSENEFFPTTKCDELEV RVALWGISVRAHLGEMKERKFSNRSELSIV
YLFYLMAIKVSMTMPNCWDGVRIDSAPDHTSHVQYADDSAFDGECPESHV KIPQIKLFF
RIMPYDGGWHTFSDLSSVYHSDYVAGWEEGILQNVLDNCE NEGEDAMPNFFCEEFLTFRD
APKCTDPEACDFADPQLLEKIKAFQPATPLDIRGTIVAEE TEEVVGNLPRSTCNGSLVGD

GGGNDTSVPTPAPFAPPTGPPSVSPNVDDDPSSGSPFIWSIIW
>comp10411_c0_seq3; 359 250 1515 LEN=1515; translated
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ECVNPSPCEAGDCYSENEFFPTTKCDELEVSMTPNCWDGVRIDSAPDHTSHVQYADDSA
FDGECPEHPVKIPQIKLFFRIMPYDGGWHTFSDLSSVYHSDYVAGWEEGILQNVLDNCE
NEGEDAMPNFFCEEFLTFRDAPKCTDPEACDFADPQLEKIKAFQPATPLDIRGTIVAEE
TEEVVGNLPRSTCNGSLVGDGGGNDTSVPTPAPFAPPTGPPSVSPNVDDDPSSGSPSVSP
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PK
>comp10411_c0_seq4; 269 1145 1783 LEN=1783; translated
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FADPQLEKIKAFQPATPLDIRGTIVAEEETEEVVGNLPRSTCNGSLVGDGGGNDTSVPTP
APFAPPTGPPSVSPNVDDDPSSGSPSVSPSSSPSSGSSGSSGSSHPSSGSSGPLSSP
SSGPLSGPSSSPLPGPSSSPSSGSSSPLPK
>comp10411_c0_seq5; 343 1145 1957 LEN=1957; translated
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FSDLSSVYHSDYVAGWEEGILQNVLDNCENEGEDAMPNFFCEEFLTFRDAPKCTDPEACD
FADPQLEKIKAFQPATPLDIRGTIVAEEETEEVVGNLPRSTCNGSLVGDGGGNDTSVPTP
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SSGPLSGPSSSPLPGPSSSPSSGSSSPLPK
>comp10411_c0_seq6; 293 349 1664 LEN=1664; translated
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ASTTVGELTGNVEENRSIYWHPTVYKYIRDEDTYKRDVIAQTSAYYIFETGKTTAFPKGF
RMIGGYDTDKSMAFAECVNPSPCEAGDCYSENEFFPTTKCDELEVSMTPNCWDGVRIDS
APDHTSHVQYADDSAFDGECPESHVPKIPQIKLFFRIMPYDGGWHTFSDLSSVYHSDYVA
GWEEGILQNVLDNCENEGEDAMPNFFCEEFLTFRDAPKCTDPEACDFADPQLEKIKAFQ
PATPLDIRGTIVAEEETEEVVGNLPRSTCNGSLVGDGGGNDTSVPTPAPFAPPTGPPSVSP
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>comp10411_c0_seq7; 307 250 1634 LEN=1634; translated
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ECVNPSPCEAGDCYSENEFFPTTKCDELEVRVALWGISVRAHLGEMKERKFSNRSELSIV
YLFYLMIAIKVSMTMPNCWDGVRIDSAPDHTSHVQYADDSAFDGECPESHVPKIPQIKLFF
RIMPYDGGWHTFSDLSSVYHSDYVAGWEEGILQNVLDNCENEGEDAMPNFFCEEFLTFRD
APKCTDPEACDFADPQLEKIKAFQPATPLDIRGTIVAEEETEEVVGNLPRSTCNGSLVGD
GGGNDTSVPTPAPFAPPTGPPSVSPNVDDDPSSGSPSVSPSSSPSSGSSGSSGSSHP
SGPSSGPLSSPSSGPLSGPSSSPLPGPSSSPSSGSSSPLPK
>comp10411_c0_seq8; 367 349 1838 LEN=1838; translated
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LTCFFKPPQILIFLFDSSLP IGDARVDPILSDKCVSDHVHTFYGPQSAVDPRAGILDTLA
ASTTVGELTGNVEENRSIYWHPTVYKYIRDEDTYKRDVIAQTSAYYIFETGKTTAFPKGF
RMIGGYDTDKSMAFAECVNPSPCEAGDCYSENEFFPTTKCDELEVSMTPNCWDGVRIDS
APDHTSHVQYADDSAFDGECPESHVPKIPQIKLFFRIMPYDGGWHTFSDLSSVYHSDYVA
GWEEGILQNVLDNCENEGEDAMPNFFCEEFLTFRDAPKCTDPEACDFADPQLEKIKAFQ
PATPLDIRGTIVAEEETEEVVGNLPRSTCNGSLVGDGGGNDTSVPTPAPFAPPTGPPSVSP
NVDDDPSSGSPSVSPSSSPSSGSSGSSGSSHPSSGSSGPLSSPSSGPLSGPSSSPLP
GPSSSPSSGSSSPLPK
>comp10413_c0_seq1; 625 626 2578 LEN=2895; translated
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LSTPPLSFERVGCSPINSSNSDQIEAVQGTGMPHNNDYLSSISPPNSPIASSPDDSY
FLAIRSTEPVLDAVDAIRSAAEDVWSAESTHSEFSSRFTYQYSGNSEAHVDFGADDD
SAGAKAVSALNKALHTKIYPMIREAFFPDCQQSVTENEVNDETILFVYDALVIRYNATAA
AEASYVDASEAETSEISAGQPLHRDLGLVSVNIMLNSDREFEGGTFEFENQLWNPDAEWK
GREEIDDP SLDTT PLKPLGVGYCLAHSASERHAGAGTKKGV RDILVLFVSAANLKTNTSK
EHEIATKNTSVRAPAELSSLRLKSCRFCNGNEMIYNKPQNPSPEQEGELDQRKMEIRRH
QSVLLCRILHQRLAVCSTEEVSNSSEIVGRSLLSTNANYNYDGEALQYLGTALMEYSDFW
HAIIGDVGGVGDGAACQNTLNDKIDILKTASDCFLAASLMTPCDSRVFNNQGIVIGKI
RGMIDADQQHSVLLRRYGEDEEERAYRKLKILHGSLNAGCADIDRHLESLLLNYGLFLS

NLDRFEDAVIDLGHFAADATTADVDTTNDTETVRSNAVRLWRYCKLRLAQ
>comp10414_c1_seq1; 578 61 1683 LEN=2021; translated
MGNLCCSSSSQDTKVIQNSTRSDAKSHSDGTTIRGSKILQSGAYQVDSEGTIFFDAIDRF
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KHLSSETPGSQSGYPGELTESDLETCLKFREELKKRDPAFKEMVMSMHPYEHEAFALCR
YLRARDFVIEDVFAMLTEKNQPQSWSIARDAGFYEDFHNTIPEFNGCPLPVFLTQFPLIH
SGIGKNGAIVLYFKAGEVNCPGIECIAGDMVNALPVAWNRLYHGARNAMKREVARADPST
TTVLGEKIIVVDLAGDSALFSSGLDFLKAAPAAGSCFPETVNRITYVLNAPFSFSIAWAVI
KQLIDPRTVQKIGFFSTIAKATSDFLKYIESEDLLSTYGGTGESFEEILAKRQKELTHKE
GIARYVVKQLTTAGNEICFGFDLSEETVDSIVVYSRSDNVCEISVVDSSNGNEVVKETEVE
RRENATNSNTAEDISRNNYAMEIATSEDFAQTPAGSFVNTKSGKKGDHYLVAVTVAEKQ
>comp10415_c0_seq1; 274 168 653 LEN=1775; translated
MPKILSTTAFRKSALCLIVLWCSEFILPAQSFVVGSRSACTIYPKCQRTTIDSSVGAERD
TEEKIKEGTDEENAKDDEDPVEVFLAMEEASQRTTRRLMLPRMIMSSIGQTVTYGAYAF
IFCFGLNLFGYALINDSNGMRIGTLEERAFQIEVEKSMKDK
>comp10416_c0_seq1; 469 420 2264 LEN=2302; translated
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LRLQSEIGNAPIVVIDEDIYDASARKSGVAFHLEDPOKQINTKGAFFELNDDGLIRKAF
IVKENDKSGESSLKILKLASDVIAATKEGQGGSSSDSVPVPTLANPSASVSLPEQYFAAW
NQRDMKQAVSVFAQDIEYDDTAFPAFSGKEALENHLDLCAEAMPPSFSFIVDDKIDAGN
KVMVRWHVESNAEELPYTRGC SHYRIENELIASGTDLKEPAVFKTGGLMLFIDSFSSKLR
DEPIRMVPTLVWATYMYVVFSDWFYGLPATSLEVRTWEEVRDLSLNFVLPSPILDLPA
PVVHPGLEGIFNLLLSWAAMFAGFLSDDRKSKPNLFPMLPAVAGMQFLTSAFLLPYLATR
SVEDNGTESVAIPAEIEITPVIKATDSKILGLAMGLVGTGSIWGLFARFDDFGDISTRYA
SLIDLIDSIDRVGSSFLVDLAIIFGLFQGWLVEDDAKRRGMDPDSLLAKAAKYVPPFFGLVSY
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>comp10417_c0_seq1; 361 1 1554 LEN=2696; minus strand; translated
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SGTPLDVYFFEKFDDEEQRSSCDSFLNNGICDEIFNTEYYKFDGDCCASTCTNSRCGVG
GLLNAFGEEIIYGDGFPPCKDPMVPITILFNDFASYNATNKLTNDMMAPLSSDTIEPM
MLLDCDDVNI FTIPVNGKMFNQSETFMVRDGANCTIRINNSTSTVQAEGRPIWLVDYTVF
HGDQTSILNDDSIIVILREQSSNNEFAMFQRI PD CYFEKLSNHLDTSTIYMGDESHHRAIK
WLRATSETSKNSRCEDDNFLERYALSVLNFAAPITPPLPSEDNTNTTTDQGPFATSNITM
VDGVPSPIDLTTGNPASSVPLPDLAQKGGVVNGFSSEKLWINENRQCIWRSVECNRSVE
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>comp10417_c0_seq2; 361 1 1554 LEN=2603; minus strand; translated
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SGTPLDVYFFEKFDDEEQRSSCDSFLNNGICDEIFNTEYYKFDGDCCASTCTNSRCGVG
GLLNAFGEEIIYGDGFPPCKDPMVPITILFNDFASYNATNKLTNDMMAPLSSDTIEPM
MLLDCDDVNI FTIPVNGKMFNQSETFMVRDGANCTIRINNSTSTVQAEGRPIWLVDYTVF
HGDQTSILNDDSIIVILREQSSNNEFAMFQRI PD CYFEKLSNHLDTSTIYMGDESHHRAIK
WLRATSETSKNSRCEDDNFLERYALSVLNFAAPITPPLPSEDNTNTTTDQGPFATSNITM
VDGVPSPIDLTTGNPASSVPLPDLAQKGGVVNGFSSEKLWINENRQCIWRSVECNRSVE
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>comp10417_c0_seq3; 459 1 2224 LEN=2550; minus strand; translated
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SGTPLDVYFFEKFDDEEQRSSCDSFLNNGICDEIFNTEYYKFDGDCCASTCTNSRCGVG
GLLNAFGEEIIYGDGFPPCKDPMVPITILFNDFASYNATNKLTNDMMAPLSSDTIEPM
MLLDCDDVNI FTIPVNGKMFNQSETFMVRDGANCTIRINNSTSTVQAEGRPIWLVDYTVF
HGDQTSILNDDSIIVILREQSSNNEFAMFQRI PD CYFEKLSNHLDTSTIYMGDESHHRAIK
WLRATSETSKNSRCEDDNFLERYALSVLNFAAPITPPLPSEDNTNTTTDQGPFATSNITM
VDGVPSPIDLTTGNPASSVPLPDLAQKGGVVNGFSSEKLWINENRQCIWRSVECNRSVE
CLYLQQRDLKGTIPSSIGLLSKHEEDNVLC SIERAAVWSYFSLIIYSSFDYCFYTKIVDG
NHLQGTIPTEIGKLESILTLDLREYHPDVFSMRCRPINTLIHEPQPIFLVFPPLPKDPTC
SSICDMLHTAHLTTYAWVHTLYTNDLNILRQTDKNSLTGSI PSELESLTNLSKIFVGD IQ
NNHNLDPESLHHKVHMDCDLSEPNACKLVELDDLSIRVSDRNRCTELIGKFEQNKKLMT

IDNCDEMKRKCAICEDDDGD

>comp10418_c0_seq1; 282 367 1677 LEN=1677; translated
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LHSEEIFRITTLAMRKETEQVNMQRQSGRSKDGHDKIRQKAYFIQRTKTETFRDAHLSFH
FAMTTAIFTQPGPLPEKPRKALLAFLNAMKRTIPSNSSMQPVVRDLLKNFDAIVMEPMAL
NKIMGNHPPPGPI SKWSRASSQHGTGYTAGLWILFHIMSVGLVKWNHLATDDGQMI IPAA
MADIQRNYVEHFFQCEECRLNFLSDFDACMFDRCNRLITLANGGTLEQFIQYPLWLYETH
NGVNVRLRNERIEQGIESESFTTQAEISWPPASSCPLCWLSREKDRWDELEVYKVLQSY
WYVLCVFCDFDETTMA

>comp10418_c0_seq3; 356 367 1863 LEN=2749; translated
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FAMTTAIFTQPGPLPEKPRKALLAFLNAMKRTIPSNSSMQPVVRDLLKNFDAIVMEPMAL
NKIMGNHPPPGPI SKWSRASSQHGTGYTAGLWILFHIMSVGLVKWNHLATDDGQMI IPAA
MADIQRNYVEHFFQCEECRLNFLSDFDACMFDRCNRLITLANGGTLEQFIQYPLWLYETH
NGVNVRLRNERIEQGIESESFTTQAEISWPPASSCPLCWLSREKDRWDELEVYKVLQSY
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KKKYNLRGIHKKIESDNF

>comp10419_c0_seq1; 523 130 1668 LEN=1879; translated
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AGVGNAEATALSAAWALRDGTGMIGGLAYSMAASYFDSHAKEFRLLLADVINDISLT
LDMIAPYFGPNSIWIWGLSTLGTICGITAGATKGHITQHFAKDGGNVADLTAKESTQE
TLVSLIGMLGGVWVAKLLEKHGQSDPFFWTWLFPGILTITIHVWANYKAVALKLTTLNPE
RTKVLFRNTIDIMATEVHDEQQATTASPDLLKAIRNLESPELLQESLFLSVWSLIFPKIC
LSGSLVGLRQLDCSILQFDANEIPDGNSSLPYVIGYDSRDIYVWLVKVGATRKDELKAYV
HALLLQKVLSSSIKKGSKTENADVLRQTYVQVLHLHFENYPIEDPLLKWTDDSCSQKSF
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>comp10420_c0_seq1; 154 1 414 LEN=478; translated
LFLPTAFRCRYNTSADMWSLGCMTFELLTGDLLFDPRAGDDYDRDEDHLAMFQELLGRMP
KRLALEGKYAKQFFDKKGLKHIKSLKFWPIQDVLIIEKYHFSKEDANAVADFMRLPLDFD
PKTRASALDALRHKWL

>comp10420_c0_seq2; 1183 1 2968 LEN=2994; translated
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>comp10421_c0_seq1; 354 123 1172 LEN=1226; translated
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>comp10422_c0_seq1; 463 383 1696 LEN=1803; translated
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>comp10423_c0_seq1; 989 1 3438 LEN=3662; translated
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>comp10426_c0_seq3; 459 703 2160 LEN=2357; translated
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>comp10427_c0_seq1; 372 286 1401 LEN=1621; translated
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>comp10427_c0_seq2; 372 286 1401 LEN=1644; translated
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>comp10427_c0_seq3; 372 286 1401 LEN=1509; translated
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>comp10428_c0_seq1; 166 698 874 LEN=988; minus strand; translated
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>comp10429_c0_seq1; 350 277 975 LEN=1048; translated
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>comp10430_c0_seq1; 147 199 369 LEN=715; translated
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>comp10431_c0_seq1; 277 88 750 LEN=1188; translated
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>comp10431_c0_seq2; 239 88 957 LEN=1575; translated
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>comp10431_c0_seq3; 231 88 930 LEN=1037; translated
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VVGPPYWPMLCMITYPLILGVSGVTLVTVIPKVNVLVGIAWAICTGGLIFALAMTSFRDPG
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>comp10431_c0_seq4; 277 88 750 LEN=1726; translated
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>comp10432_c0_seq1; 842 404 2908 LEN=3537; translated
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LSLKTQMARCSHGQVTIEPFRGYADGYFQOEISSGIELRITTDPRGQSDKRMENDANEAE
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>comp10432_c0_seq2; 257 1 600 LEN=1229; translated
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>comp10432_c0_seq3; 306 155 556 LEN=1185; translated
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>comp10434_c0_seq1; 328 105 840 LEN=840; translated
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>comp10436_c0_seq2; 383 102 1001 LEN=1872; translated
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FSV I IASD I IYAAVVIDPLWETVRTLLRYPNGQFWMAFAVRKVPVTIDFVLNKAEEYGF
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SV I IASD I IYAAVVIDPLWETVRTLLRYPNGQFWMAFAVRKVPVTIDFVLNKAEEYGF
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SIGTVFANLRRYERDII THKIGYKSKQFSRAKMAGVIHARSDNMIQSLAKYQHFLQAA
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>comp10438_c0_seq2; 267 23 1153 LEN=2422; translated
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RKLLLEEVEVKGCPKDPVKPYLDILKNIDKNPSFYEDSSIKNNKSDCPVVFLFYFEGGSKV
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>comp10438_c0_seq3; 267 23 1153 LEN=2232; translated
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>comp10438_c0_seq4; 242 23 1326 LEN=2227; translated
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YVAPCTCLMEDNKKYVSTIEKNGVVWSEYGFTNRFHPTANFFLDRTNESKEEKKNSQYAY
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>comp10439_c0_seq1; 366 1 1822 LEN=2198; translated
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>comp10440_c0_seq1; 561 182 1864 LEN=1878; translated
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>comp10441_c0_seq1; 541 162 956 LEN=1129; translated
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GCLPQWEDPNVEHPELKCFCGDDDPIDVVEIGGSALAMGTVKEVVKPLGVLAMIDDGELDW
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>comp10442_c0_seq1; 562 167 2101 LEN=2101; translated
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STSSSTAAPVLTVEGLSCTHNGGETWQLKEVNYNLQGAKAALIGRNGTGKSTFLKILHES
YLISNGVGSYSSTDYKYTGNVQVPKTI RISMVEQEPPLPADVTVGDAILGITEATTTI
GKGESPKNRMDIVRRYRIVSRQAETDTNFDPLFVKASADMDFLGGWDTLTKAEIATKL
KIHHLQDQPLSLLSGGERKRVALLCAALIEEPDVLILLDEPTNFLSLAGVEWLADLLTDKNS
NPKLTIIMVTHDRAFLEQVCDQIVELDRGSLYEHPPGSYSAYLEGKQERLAAEDAAIANAR
NKYKRELEWMRKQPKARESKGKARIDAFYKLEKSTKPRPRDPNLDLVDISSGDTRRIGTK

TVSMKGVTLTFPVNNDKQAGEYNVMLDDFSYDFCNGDRICLAGANGVGKTTFTKLLTG
ELYPNKGEVEIGETVVVLGVYDQLGLKFDEIAEKQTVLEFVVDKIQSNDSTSHGETPSQAR
KLLKQFEFSRERWQERISVLSGGERRRLQILSVLSVSTRIQYSG
>comp10442_c0_seq3; 873 167 2653 LEN=2932; translated
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STSSSTAAPVLTVEGLSCTHNGGETWQLKEVNYNLQRGAKAALIGRNGTGKSTFLKILHES
YLISNGVGSYSSTDYKYTGQVQPKTIRISMVEQEPPLPADVTVDAILGITEATTTI
GKGESPKNRMDIVRRYRIVSRQAETDTNFDPDLFVKASADMDFLGGWDTLTKAEEIATKL
KIHHLQDQPLSLLSGGERKRVALCAALIEEPDVLLEDEPTNFLSLAGVEWLADLLTDKNS
NPKLTILMVTHDRAFLEQVCDQIVELDRGSLYEHPSYSAYLEGKQERLAAEDAANAR
NKYKRELEWMRKQPKARESKGKARIDAFYKLEKSTKPRPRDPNLDLVDISSGDTRRIGTK
TVSMKGVTLTFPVNNDKQAGEYNVMLDDFSYDFCNGDRICLAGANGVGKTTFTKLLTG
ELYPNKGEVEIGETVVVLGVYDQLGLKFDEIAEKQTVLEFVVDKIQSNDSTSHGETPSQAR
KLLKQFEFSRERWQERISVLSGGERRRLQILSVLSVKNFLILDEPSVDCDLDTLSALEN
YLEQFKGVLLVISHDRAFADKVTDLHFLVFEGEGVVKDFQGSLTEYGSCLVELENRKIKNS
VAGGSDQSDTSTDSKQNTYKEDRAKRNELRNFRVQTKKEMSNLERSLEKLPKATSVQSE
IDGTSSDAGWTVLAELTDKLNAINDEIEEKELRWLELGELEGLEFKD
>comp10442_c0_seq4; 396 1 915 LEN=1194; translated
FFIKVGKTTFTKLLTGELYPNKGEVEIGETVVVLGVYDQLGLKFDEIAEKQTVLEFVVDKI
QSNSTSHGETPSQARKLLKQFEFSRERWQERISVLSGGERRRLQILSVLSVKNFLILD
EPSVDCDLDTLSALENYLEQFKGVLLVISHDRAFADKVTDLHFLVFEGEGVVKDFQGSLTE
YGSCLVELENRKIKNSVAGGSDQSDTSTDSKQNTYKEDRAKRNELRNFRVQTKKEMSNLE
RSLEKLPKATSVQSEIDGTSSDAGWTVLAELTDKLNAINDEIEEKELRWLELGELEGLE
EFKD
>comp10445_c0_seq1; 383 236 860 LEN=860; translated
MRMRKRAAVVLLLSALPHLLADEPASSLLSNNDVHSGILVDPIDQLDDENTEHSIDTTA
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SSPTTSDADNDAVSTVSDSTVRSPETGMDAVDEQHMPQQYEKEEGSADIENGESATEAVH
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>comp10446_c0_seq1; 637 135 2036 LEN=2078; translated
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CNLVAELSELVLENPNKAFQVEKEIFNGDGNKEGDNVDVRSVSKVQQLLDLSRVHKNGN
DDYIASLGLIMSLLAIFKIDILPSYRIRQQTEIERESRISKETKALWDYERALLTHYQQYLQ
VLEKAWDRGQNHETGPSRLAITAMLSLCELLKSAYHFNFRSNILSIVVRQMNRRKCDQV
SNACCRVIEFVFEKDTQGEVSMEAARLVAKLVKEYRGALRPGVIRSFACLPLRVHVDVAQ
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DSKTRHDLPAALEGLAKFVSHLVNIDTVVDLLDVLKELLLIVDNLPLEASLNCVLTAFQT
LEGPQREMIDQKEYIAPLYSQLARVGTTEENSKNTYILLRCLTAAFIKRREYSIVRVAA
FVKQMFVAMHSPDYTSVPLIALARQILQRYPSVHQLLESESDVITSGTYKPDVADPEHS
NPFSTSAWELACLKFHVHPQVREQAISAQKMIQLPAEAPDKLRSMLSKNGDEIYIQFR
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>comp10447_c0_seq1; 66 1 742 LEN=1356; translated
XKNFRILIPCNYGTEPCPKQSQRKNGHVPSDEDSSVCLFLLAIAGVQSWFSFHGPHRSL
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AKDRFGSVLLATQYLSKPKAGDRSLVLGLKDEPTYLIVNNDKSAIEDFALNAECSHLGC
VPWNEFEKFECPCHGSKYDAMGNVLRGPAPYALSLAHVTTEEDTGRILLSPWTEVDFRT
NESPWWK
>comp10448_c0_seq1; 150 1461 1845 LEN=1961; minus strand; translated
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ISFITGILRSDSYSSTLPDGPVLLVDVLRSAIAIVIDFGNVDRLSDYIVVIDGVKNAADV
NRLSDRD
>comp10448_c0_seq2; 150 1560 1944 LEN=2060; minus strand; translated
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NRLSDRD
>comp10448_c0_seq3; 150 1432 1816 LEN=1932; minus strand; translated
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ISFITGILRSDSYSSTLPDGPVLLVDVLRSAIAIVIDFGNVDRLSDYIVVIDGVKNAADV
NRLSDRD

>comp10448_c0_seq4; 323 288 1687 LEN=1803; minus strand; translated
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FRIREIHDSYPNATWILNWRDYDPWIDSVLKWGTGDNLHYQFLNEYIYIQGVIPSVPPPEN
RTQIKEVLKTIYFQHFDVFRDFVRNHPHALVEVNI TDQSASMLADAFGLDALAFNDHG
PRARMASFMSFQSVSLYEASFGSFVNVRSLYFNTSQLDRQLSHDLPAAYPPLLLNIIPIN
MFSRPIYLRDASSXSPSRLACTYYTLGDLRTFSVSKIT TMAIVKILLFFLPENIGIWNPT
QKLKEAPRTLHILISTQIEALREMVYCVAIYHFSDCVWDISFITGILRSDSYSLTPDGPI
VLLVDVLRVRSIAIVIDFGNVDRLSDYIVVIDGVKNAADVNRLSDRD
>comp10449_c0_seq1; 397 384 1859 LEN=1859; translated
MDLLSSVASTRPVASSEATYSC TLTNTWSGATHPVGYEARSSAHWSPPVVVVHNLQYDL
WRPKFKASEGVKLLAEMGLTDKLVQELKAASQT TGRYVKEWTIGKNQFN SVGIPQVLGDV
TLTQDFPYLSSITMVPSPDWFSGFPKVSPIENTDGVGFWFESFSMATFPWDAGTEAGEA
YSTSNPDQDPRAPITQLTAETVPSSGILLDPTGEKVLPMATWSCELRPLPLEQDEDQDEE
AEGPGDRIDLPEGTGDPQGENEDSESESDGEGEVSPPGQDGTDPQVLDDEEEDDGGDAPP
ATDGEDPGESEEPDQKPPGVGVGVEDDVENENENTTETGDNEP VNPQPTNPTPPTLDVPTN
ASGTSSPASPTASAARGAATPGATAAPRSAAGRASGPSASPTRGGSSWGGPPAGPFGA
RGSSGGPTAAEAGARSSPTLRKPSGKQKPKRKP GDSGAGPSGSTPNRIAPNQSLPHATL
GSERTTLRTPHX
>comp10451_c0_seq1; 213 328 694 LEN=694; minus strand; translated
MFSFKTETYSCDES VFDESSDCVCGADEEWRADNGTDGKGI AEA EVVVA AVPDTLLVEAT
AAAALLCMPAAALVALRRATDDSI VLSIVICRNR SQRWEIIFLDWNDVSAYPLINTTKHL
LMX
>comp10451_c0_seq2; 492 117 1169 LEN=1221; translated
MLSSVARRRATSAAAGMHRRAAAAVASTSSVSGTAAT TTSASAMPF PPSVPLSARHSSSAP
QTQSEDSKTDSSQEYVSVLKLNLMLQQNPGA IKKKRRVGRGIGSSK GKTSGRGHKGTKAR
AGGSVPLTFEGGQTPLYKLLPKQGFTNKRHKADMVALNVGTIQDYIDMGRLSLENTDDQN
IPLWNMKDLLDAGMFTTSSVKHG I KLLAEGKERLKT PFKLEISRASESAIRAVEAVGGEV
TTVHYNRLALRALLKPNKYVATADKEDEGGYGF S NDSHQEDAIVRNNSKTPRLLPKFARP
PPKWQPYTWNWNRGYLSVQAQMRKLISERPELEEA FSKALEEAGAKGGK
>comp10452_c0_seq1; 306 127 717 LEN=811; translated
MNTSATPEWLEDNGESSGTAGTGVDPFQGV SLEDKND DAVEKESSRSRVACSGSTIALW
VFSLGFI GLFAYGAAANANDPDALQWIF YALNAVVPAMFLLYSVCCFP I VVIYFFSAVT
AIWSIVYIVIASLNLKNAPPEDDTVDNGV FSERSEYIFELAGASLALFSSLYHVCTAKFC
VTKESVKEEDDAKEAE
>comp10454_c0_seq1; 529 248 1123 LEN=1253; translated
MARTPKPGSSGSDLPSIQSGSSESVSSASDPQMIAS Y TLPQWLVPERYKDKQSSQNTMQ
TRVFSIPMPQVPIHTKEAIRAHLIKTNPPQKAGMRD SERKLEKELKQEEKIASSEAKLAKD
KLAQALLARSEKLKEIRKAHELETTKAMEALETTIRKEWKSEDLKLLKQINEECKLEYER
KFDEEMIHKRKREQE EDEKEQAEVDLEIKKAKEEKEEALKTQRNPAGEGNVPSTGGNNVQ
VLEKKQADLKD KVEKLSEKKSEMIWLFKQVIKQEA IQMKAKKLLKAAEAK
>comp10455_c0_seq1; 586 678 2900 LEN=3031; translated
MFALLYEFRKREGNTIVPSQHVENGEKLG SWLYYQRTLMRKGNLPKEKLEQLES LGVVAT
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KLERLEVGN AQETIHL SNQHKLETVGVVFG EHTWKDMYQRLVHYQQYGHSSVPQSYKDK
DGKNLGTWLNTRQSQSKRGTLDQKLQ GKLEAVDGF AWEISPGMYRWDAMFSLLRDYEVE
GHCNVPKDYTIRV VANIDDVQEKRLGSWLNQQRRSK LKGNLGADRQRRLLES LGVVWDL SI
IQWEEMFVHLRDFREREGRHSNVPNR YKVETS FPLKNLGAWLQTQRRLKQEGTLDQNRER
LENLDVQWEIYSKWEKLLHLLVQYQEREGNCLVPQNHLEEGKTLGIWLNQSRKKS GTL
TKEQCSALEDLGVVWDVAPAQWDSMFNLLVQFQLRTGHCRVPQTHKENGKNLGTWLNVR
QAKRNGTLDRAKEQLEKIGMVWNVASESWDEMLALVVR YKERE GDCLVPLKHTEDDKTL
GTWLDLQRRFQKRGTLDPEKERQLTEIGMIWDKLT YKWEVMYSRLLEYKERE GD CSVPAL
HMEDGQGLGAWLNLQRKLHKGNLDPLRQKRLEDVGVVFN RNKQRWESMFALLVQFRERE
GHCRVPQNHKEGVKQERLGSWLD SQRQKKKEKLD FALQTRLEKVGVEWSIYTTSDMNDD
DDWGFEGMDHLFDDNDLMAY
>comp10456_c0_seq1; 522 67 1875 LEN=1875; translated
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TSDWEMYINEASTRIEKLSENDARNRGQTANNFP GPPFGTKTTLVARVTDGAGVPHTADA
SKLEDDIFLDTLSLKSQYAAACSKNQLDIQAAP I GNGGVIEISVATVAAGSGDSLESEAK

VALQNQIGDIYNSYHLIIFCQPPGISGGQSGWLAYAYLNNPLSFFNDLWCTSASTLMHE
IGHNFGLEHSNLGDTEYGDETGIMGFGYLEDDSPRCKCFNAAKNFELGWYSRQASTVNPID
FADSSRTYVLNGIDKYQTEGTSTKLIIVLKLDDQGGEDYFIGYNEAAGAHIEPQAINQVTI
IEKPTENIPSRQIGQSWRRGSLLAGNVHAINNFRGTQYGVYIKFVSLNGADATVEVTST
TPVLACGGTGRFNFEITPDQFLGETSWFLRDSGGVVIQAQAAANQMRVGVVNSFPAAGNYY
CLQPGSCYQFEIRDSFGDGM LAPANYKGTLDGVEAFSGGQFGSVEVKDFCVP GASAPTLA
PVP

>comp10457_c0_seq1; 316 435 1427 LEN=1609; translated
MKLRRSDVLSAWRGWRPLAADPHAPPDAPVSRDHVISENPETGVIFIFIAGGKWTTWREMAE
EVDVDRVAENAPGRCKTLETCLKFGGDGYTKNLSIELIQKYGMSQDVAEHMVR SYGARSWEV
CDLIEPSGKSWPKFGRLLDVNDYPYIDADVWACREYACTIEDVLSRRLAFLNKAIAIE
AIPAIADIMAKELGWTEKVKKKQIEAAEIVVSSYGGRISDGSQEKLKAGVYENIKDVFAA
IDSNQNGFLEEDEVEKAVATILGFNMSTKDL EEAFFHDMDTAKKGRV SFQDFVDWWT KSSNS
PFRKLLSEELGLKALTPQDLT SIGPGTMFG

>comp10457_c0_seq2; 525 1 2627 LEN=2809; translated
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QVTKRNSSLHAFVTISENKRGGQTLKRTKANGDDVDFVRF SADQDWVSEDNDFIPSHLVV
RRGNISRSFFWRGQKNSTSHGKQTNNGR TFRSLFSSARRDPGLEITSVLSDPKEVKAPSG
LPSRAEQIRRLQKALDGESFDVLVIGGGATGAGIALDATMRGLQTACIERGDFASETSSR
STKLIWAGIKYMATATSILLSRQLVTSPLKTVKDFYSEMKMVFHCHQERQFMMDQQRHLC
NWPVIAMPFTEWHVSPPPFKHPLFGLFPILAPPVLKIYDSL SYFQCPPSFIMTKKKAREV
FPQLEDKDLKYCAV FYEAQHNDARTNIAIAMTAAEKGAAIANYVEMMDTIKDPSTGKVI
VQAIDRMTGNTEFIRAKRVI FAGGPFTDSMREMEVDSEEAREKMPAAVRGASGTHIVLPG
YYCSNQMGLLDYNTSDGRFLFMLPWEGHTLVGTTDTKGP AETS PRPPEDEIEWLLNECGK
YLTPDMKLRSDVLSAWRGWRPLAADPHAPPDAPVSRDHVISENPETGVIFIFIAGGKWTW
REMAEEVDVDRVAENAPGRCKTLETCLKFGGDGYTKNLSIELIQKYGMSQDVAEHMVR SYGA
RSWEVCDLIEPSGKSWPKFGRLLDVNDYPYIDADVWACREYACTIEDVLSRRLAFLNKA
DAAIEAIPAIADIMAKELGWTEKVKKKQIEAAEIVVSSYGGRISDGSQEKLKAGVYENIK
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>comp10458_c0_seq1; 554 1 1526 LEN=1855; translated
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GTYPPTKIGKAPKPLIPPTPKPVI IKSSKTLKKS GIEKTPKKT VLVYATAKPKPTAEPT
IAPTTGATTWTTDAPT VNQRP IRKAACLA EKMNDMATMDPERIQKAVRAQRVVRQRAEE
MKQKESSEEKEDSVLIIASVPVDERHVISLWSLLECF S ASYNHVIISTAYWAKESMQR I
IQEAKSQIPHFNQNGSVTIEFN SFDNKKYDAGLWCDVLMGAKGRYKSYGLLND SIFAIRDF
AGMTEPLGKKKEPQNEEA VRMTSLNWHEK GKERGRWFESVYRGFDEKGLEIYMEHSCLPD
DSPAFCPKELNKARKKRCITNYFELGMSWEFPNIEQQIQGIFPGTVSEEF R ATINKFPTW
VCNREFWMDVLLPMGFPAAKVNCETMIGKDLRVEPILDT CQAF LDERFLCDLDFSNVRL
IQYPEMNLKEKEKKAMIKGDANAKVSNL

>comp10459_c0_seq1; 178 1 655 LEN=1417; translated
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NALKFII EHNKNKRAMISSPRSATNLSQSSPRPQQE AHIRASASATPPVFVDLGSGDGQA
VYEA AKLGYKAVGIEFNWTLWALSSFR RQFFWSSEVKR

>comp10459_c0_seq2; 296 1 979 LEN=1091; translated
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NALKFII EHNKNKRAMISSPRSATNLSQSSPRPQQE AHIRASASATPPVFVDLGSGDGQA
VYEA AKLGYKAVGIEFNWTLWALSSFR RQFFWSSEVKRRSTFLLQDFAKYDLKDANTIMI
FAVPRTMPILGKKIQSECSPGTTIMAYRFEMPLAATASKDNEDDEETTKESIGRDAKDHE
AIGDLRLQAKCIYDQEEMRIYSMGER

>comp10459_c0_seq3; 262 1 898 LEN=1010; translated
XRFWWSTYFEELMDERYITLLTDMLIDXSNGKQLEMKRTITDEEPVLDPELERQLRKEIN
ESNMAGDSLAMSGVTTQKVN LGAGAMVVMGASIIIGLVGLQFPFLFIKNAPFMATPAGKVQ
NALKFII EHNKNKRAMISSPRSATNLSQSSPRPQQE AHIRASASATPPVFVDLGSGDGQA
VYEA AKLGYKAVGIEFNWTLWALSSFR RQFFWSSEVKRTMPILGKKIQSECSPGTTIMAY
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>comp10460_c0_seq1; 399 621 1616 LEN=1763; translated
MTTPVKKANQRNLSEIRDEIEADGEAVLIANIDGNNFQVDLNQMLGMIVGPREDEDK LQD

SERSD'TTDKMGDTNTTGTSGRKIIPPYLLLEFPSCCFRIFWETQVASHSSDEETVIGT
SFDRVQEAADRRKIKLNGVREKLANVFSIDFLLPFPLSYSGLIGVIGSLERRENKEMPRD
PIGSARRCLWSYSQSWKDLVSFDDALENPLAAVNKENAFK'YMMHQFMTRIPNQVALSFIE
EDNRTMALESYDRRLCTKMQSFENLIDDFWTESSEVGRSNKRRRGKDEQNDADPEPKKVE
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>comp10460_c0_seq2; 399 621 1616 LEN=1779; translated
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SFDRVQEAADRRKIKLNGVREKLANVFSIDFLLPFPLSYSGLIGVIGSLERRENKEMPRD
PIGSARRCLWSYSQSWKDLVSFDDALENPLAAVNKENAFK'YMMHQFMTRIPNQVALSFIE
EDNRTMALESYDRRLCTKMQSFENLIDDFWTESSEVGRSNKRRRGKDEQNDADPEPKKVE
NGCAERYVKLLEGHKRYMISKHELYLLPLRG

>comp10461_c0_seq1; 578 648 2717 LEN=2782; translated
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SADQQGNKFKFLAQSLAERDTIVLAIKSLLDHQGKNSHASRNSRDQNAESKIRSEDVNVN
AFKALNISEQSKEEIRDQESAYSDEFFDSRDEVCHDREDDSERDTLDRFDPYSMDKKSFT
RGKSRDDLYDTQNHRTVNRSSCRISTKKDHTDKQDGTTRLLLMEDEMATIDPIHFLDPIPD
DRSPDPDPPTLERRRTTDRHGKNDVTFYDSLIVIVEDEDMVTLAANCTSKATGMANLAAG
CSQQTSGPWCTDDVCSATLKDFTDSMTGIFELKHNYNMENGTNEGQRAVAEEYLSGFL
SNNNSNMGELLSVRDLWKVAAFNKHATGKELKRLHNRARNAEGKARRIKQLRKQMTFEGAD
ADNTAHLQISSFDDATRKGNSEDDSGRLFYDSDPEDARHCNKKRGPVAAALFEESSE
SKVQRREVLIDLNSRFLGRKWRVVGQEVLFDIIEATKNEKLTLLWHPHTHEENNMPP
VCVKLWVESGVYLDAGTFLLPKLTWLPAYESNLNIRQLNVSEKSPGSLELLDVCRVRECE
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>comp10461_c0_seq2; 591 296 2602 LEN=2667; translated
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RKDGSNSTQNTYFVIKMKQSADQQGNKFKFLAQSLAERDTIVLAIKSLLDHQGKNSHASR
NSRDQNAESKIRSEDVNVNAFKALNISEQSKEEIRDQESAYSDEFFDSRDEVCHDREDD
ERDTLDRFDPYSMDKKSFTTRGKSRDDLYDTQNHRTVNRSSCRISTKKDHTDKQDGTTRLLL
MEDEMATIDPIHFLDPIPDLDSPDPDPPTLERRRTTDRHGKNDVTFYDSLIVIVEDEDMV
TLAANCTSKATGMANLAAGCSQQTSGPWCTDDVCSATLKDFTDSMTGIFELKHNYNMEN
NGTNEGQRAVAEEYLSGFLSNNNSNMGELLSVRDLWKVAAFNKHATGKELKRLHNRARNAE
GKARRIKQLRKQMTFEGADADNTAHLQISSFDDATRKGNSEDDSGRLFYDSDPEDARHC
NKKRGPVAAALFEESSESKVQRREVLIDLNSRFLGRKWRVVGQEVLFDIIEATKNE
KLTLLWHPHTHEENNMPPVCVKLWVESGVYLDAGTFLLPKLTWLPAYESNLNIRQLNVS
EKSPGSLELLDVCRVRECESIDRRLHPFGCVDRSFTIQTQNGRYLFETQSKQERARVVNG
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>comp10462_c0_seq1; 286 224 1315 LEN=1452; translated
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PGRARNPSGEDARCEADLLEYSIDSLRGRDYDRAFSEDASSPLPGLSPSETVDAALRSL
RNLDDPEPFHGAAVLLRFCAELGRGERWGTTITTDQRRREGREGSWKELLRGALPTMLARR
IRASEEFSGLLDWNGLEITESATDWVAGGMATAPGQQKQFPADADANANRNVAFVDAAL
FFGGEHASRSTGKQITKTNTTSGGEGGRARGLSPPELYRFRFLAKMLGGVWLIDSVRRRPQ
GLSSATNSTASPRRKRGRPPGREAPGTKRGGRPVRRKRGDKGKRGGKETKDFTRDDGEQRR
DKR

>comp10462_c0_seq2; 286 224 1315 LEN=1503; translated
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RNLDDPEPFHGAAVLLRFCAELGRGERWGTTITTDQRRREGREGSWKELLRGALPTMLARR
IRASEEFSGLLDWNGLEITESATDWVAGGMATAPGQQKQFPADADANANRNVAFVDAAL
FFGGEHASRSTGKQITKTNTTSGGEGGRARGLSPPELYRFRFLAKMLGGVWLIDSVRRRPQ
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DKR

>comp10463_c0_seq1; 337 134 1049 LEN=1049; translated
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GTGLTGIVAAAVLGTQLAIVTDLKVVVEKVAAPNIELNSTPSVGGNGKDTPYRLTKAGKR
GRIIAMPLCWGDEQDENAVYECFRKYTKCAAKSRRKQKGNKQPEKVDMGHPDLIIIGDV

XLSHRSDPFDVREPGEAVEAGLAALKPSVVVYAASASRQGGNCFQVDDEGVEKVARACKN
LGALFVLVSALAVDRPDSKSYKVTNTLGGNYQGIMDAKNHGEQATRAVVFSSGGEYVIVRP
GVLLNGKSIDGPAGIELNQDGTVGGGLSRDELAVVVGAIQSRDRGNSSNKAGAGGVTVE
AYRRSTAQALEKAFPVPSGNELSDAGKVAATPASSRKS LYREL FANAKPDGFAAERSGG
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>comp10471_c0_seq1; 170 106 801 LEN=1492; translated
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ASIVAHLPTLKDRIPGCQFLAVITGPENTYFERSFEKLGVS GKERN SIPDAEVTKSFCQL
MRSAAASQNLEEMLAVIVVCEWSYLSWGQAVLEEHKDDGICRKDFVTCEWVDLHTGPAFE
GVIQYLRLELLDQEGEKLKSQGATEKLAACEQRFLEAVQLEEDFFDYAYRED

>comp10472_c0_seq1; 511 103 2349 LEN=2810; translated
MVSLSTKRPCAANAASNETSPERNSNQAPDGLSPGCVVAHKKQKLDALLETNATSQKETKN
DADGTDKEDMAWICAECKEAE CGLVGADDGSADFLICDGPCHRIFHIPCAGLTKAPSTDD
DWLCRECDKKEHACAYCGEYGEDGVGVFPCKEDKCGLFFCEACLKNHVDY EYARKTTSR
SRGKDSNEKDDNSSADNEAGDEQDEEESRIPVFTCHAHRCWTCTQKDMIQLEKDEKAAEQ
AKRKGKKNQKSSRKKGKKN TSI FQCKPGR LFRCLYCPMSFHITCIPPTAKFHELAVL CHE
HATTHKLP ELD MND SIQSKVESKIDQTL MRLHGVRWRGSKGDKQQR SNGWLGRRG TNP F
LPGLRGDR L DAK EK YLL SHAK ETAMQQIQILGQEKQSAAVAVRPSSTIS MILDG SVPFCL
PNDIKNEVYSKPPPYSHIQSLKFGDKNNRPKRVPGPPTPEDQEKCKCTGSSCLEDCFN RHI
MTECTP INCNLGEKDCGNRGM SKRKF AKCQPKRER GKGWGLITLERIPKNKLVQEYVGEV
IDETEKETRLEVWNREHPNDPNFYVMALSGGYVDARVYANQSRFINHSCAPNCKVMSVN
VKGRIRNGIYSIRDIEAGEFLSYDYHFDTKQGDRFVCRCGAPNCRGTMQGGKRGDGSSKK
AATWKELKASYEADKAFLNERK GKDVITLTHGLVPGAENPNELVARGPIQKYR KAAIDGR
IFLWRNVKLGANFVSRHARLNAASEQRR

>comp10473_c0_seq1; 561 56 2017 LEN=2132; translated
MAKIQKGTKRKFWH TLGSALV LNLATEVVGAI E VVEESRIENAYRLGRNRKPSSGSSLER
SLTANIAMGDIWGKTSRAARNDIEALRLLHSEDMMSLSLSSSNDRPPQRPPIPAPAPLPS
PTPKPVPQSTPMP TPVSTPVPTIKPVL TSTPTPDGTIAPESGACEEGKSRAEHIFD LLM
FTPPELLLDVTT PQGKSYDYLTNNDGGVLD PCTYSTLQQRHALT TFFFSTNGESWVDSSG
WLREENECSWYGVDCDDSI ESKYVTRFLFPQNNLVGSLTDEIGLLDKLQRFDVYSNSITG
TIPSSLAALTDLVLLDLETNQFSGPAFPDEL FHLESLSYRVSNNILSGNIPAEISKLN L
LCQLWAAGNQLTGTIPKEIAASGKME SVLLYENKLEGTLPKELGNLNNLLHLQLYNNTLQ
FEIPAELFSATQLETLRLDYNFISGVLPT EVGGLTNLKDRLDRNSLYGEIPEEIRSLSN
LENLVINNNFWSGVFPDV FQDF TSLDFLDISNSAFSGTIPQSLFEVPTIRIAYLSNNTFT
GTIPEDFSSATLLHDLYLDGNAL TGTIPEISGGQFQSLSEFLVQFNFLTGSMPE SICDLR
GTGKLKVLFSDCGGVDPEIECEFECCNRCFEGGDA AISQRRLSQSSNLRHGR

>comp10475_c0_seq1; 365 322 2607 LEN=4201; minus strand; translated
MATTVSEMRS AKIQGDDDR CRRIMKSFRRRRERS SFAAAATGLGPPP GGGIGALENPR T
KRRTGALASSRIGSDDGDSAVEYGG LASLFLCRG PLPGGRLRPGDSWTA FDRNRV E WGE
GLVRKRAFVGSRRPPAPELVHRK PENIREGSSYINCQFLDPHDRV LGVDISGNLDLIRL
ADLRSQTNDRGATDRARSKASHEKIATDFEFGAALGQKNYFYSAHVQVLAHGS AVAFGFV
DNTLCLLDLEGR TNAYARDHSAKNDGGGLDRVLPVPAPSS TLPSSSFRAWRAQQ LRRKY
YRDRRNP SLSIHELCDRDTQNR SNVGGYTGSICETHSVISNLLAIDYSNGRKR IASPVRF
VPGYPTPEGPRWDILEVRPGCHPMNSLLYVARVDPDYDSFWTQVLD SRVGVGTGT TTPKT
DGHGRNATTVLIDGTTDRDHPGKSEEHVTT CAMVTDICMATGHVYCGNYGATSASDFDQ G
LSYPGCPGMSSCVKLWDLR MARKKRKPRMMKDSL IPTYTIALSSPGSGIFEHANIVVAEP
SATIHTRLT SKEGSLAFSEATFASESGVCGAGNHETEIPDAGSDFVVRNLSASRDSYNG
VSNNGSTRCGSLMVTCSR SFQNSHVEHCKLDL SGKTRTVRKVRESNSITRPQPLWAVDPS
HKFLAICNNDHHSRSHG PSTRLYLYDLKEGTLPTLSAEVGNRTYFCPQQREDSTFRFRT
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>comp10476_c0_seq1; 570 1 1494 LEN=1897; translated
QQQQQQQNSSRLPLSSASYNKGSVGGATGGDRFIPNRAGMNVKLSQHNL RGETT DSSSHS
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PIPKGDTVNNLNILYSASASAGQKKTNSKLV SRAIP SAPTRVLDAPDLLDDYYLNLLSWS
DTNILAVALANTVYLWNAGTGD IQELCTYE EGESVDAHISSVAWVQEGGAHLAVGTSGGK
TQLWDVQACKQLRSMDGHS DRISMAWNRHILSSGSRDTSIVNHDVRVARHATSTLSAHT
QEVCGLWASNDGETLASGNDNLLCLWDASASLSSISNRQEPFRMTDHQA AVKALAWSP
HDRNLLATGGGTADRCIKFWNSKNGALLNSIDTGSQVCALQWNPFEKEILSSHGYARNQI
CLWKYPSMTKIKELEGHTSRVLHMATSPDGSTVVSAAGDETLRFWEIFAPPSKASASSEI

IGRGGMP SKLKWTTQIR

>comp10477_c0_seq1; 713 936 2420 LEN=2653; translated
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DLLKDRSAAQEKETS DLKQALEEEKARAKNALSEALAHHKRTRTELEETLEEKKAEEARA
EASSAALEDRLSQANREKEALEEKLAGATKALSTCTKTITRMQTEAAA AKA AAEKHAETI
SQRAKQALSRSKEDISIHKNQAVRFAEDLRRVRESHSETKKALSASREETALQTKKRKQA
EATTQTI AVLAE SLKAKIASLEGLVVEAKRSEKTKQDLEDRCGALS AELKLRRSDLEEL
GASHEKLRSELTEAEADLRGRSVEAASQKARAEATESCHQGLLERQAELEDDLEEVDEL
DRAHSDVHSTRAELEETQRQTATLRESTGALLRLHLEDQRKEYEARLHHLHSILGLTFAR
AVRNEVAGAVPVVLDHLLPREMKQAIPLLLASASSASASKSTVHRTHPAHAKTKATTKAK
ARAVDPPPSECKQ

>comp10478_c0_seq1; 372 218 1068 LEN=1068; translated
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TGVDKLCDRQLLNHEVNNLLSSEYRVEVAELDVENNRKHGEIRD KMVQEAIDNMKGFFTV
IGITEELEETS AVLGRVFPWMNASGSEADGTVSECNLGH DNASPRNNRCGEHNSHWDLPA
TPDQETIDLIVKHNSLDMELYEA AVKYFDLQKRALESIADEINX

>comp10478_c0_seq2; 538 1 1198 LEN=1198; translated
XNNNNNNNRNESQRRRMSGAERLMATEPEPEGDTTKEDALVAKIAKKLDPVPLRFFAPGD
PNRGESSEPDIVVDSKETRDIETIKA EKKKEEDLKP KLVPHQFLHLHMKTTGGTSM DKV
MRCAMKRLREEANYSVPYYSIHECSRERFASCLTDPGNKCRAMDEAAVMSYCSALKYLD
EFGWWHEGNQEHTVKAFTVLRHPVDRVWSMFRFQTKRCYGCTPLKEIYKKLEKGEHTGVD
KLCDRQLLNHEVNNLLSSEYRVEVAELDVENNRKHGEIRD KMVQEAIDNMKGFFTVIGIT
EELEETS AVLGRVFPWMNASGSEADGTVSECNLGH DNASPRNNRCGEHNSHWDLPATPDQ
ETIDLIVKHNSLDMELYEA AVKYFDLQKRALESIADEINX

>comp10479_c0_seq1; 239 109 1206 LEN=1482; translated
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QYLETKVDSYLA YARDPFLGIKEPAKCKQTQOMKKIACPNLRSCEIDNSIICMDDL PFTI
ENATEPTKKATKKGRNECVVYDYGIRE SPEWGLTFTKQCDVGLDPSPISLKW WEREGAN
ITKQHP SYRFLGVGAGGIDGEIVLREYDWGQVSIIEFPTRV VNTSDCNEGGACKYRMYQQ
HPFKIPVQTLQTTMKNLHN RVHLLKLDVEGSEFAFLEKMIDDLSCRKVDQLTLEWHHFG
YDVR YGVTSNPQINVIVAL LKERCGLEQFVWHGSHGWPSNSKMYTDMGMTLYYTMS SFR
TRYMF

>comp10480_c0_seq1; 154 115 408 LEN=566; translated
MNSSARTIGTVAALGTGTAYLAYRSIPTLMTAIMK LQMNPPDEKLGQLIQEMGAPSSDEI
AALGIVAGKSALVVGTRGVGYGTALALAKITNHHQK

>comp10480_c0_seq2; 409 115 1260 LEN=1434; translated
MNSSARTIGTVAALGTGTAYLAYRSIPTLMTAIMK LQMNPPDEKLGQLIQEMGAPSSDEI
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FSNSTKIDFLQGDIGT VASTQRLVDELAKGKTRYDYLI VTA AIFPKPKSQNP KPLNEDGI
EKSFGIGVGRFLLYRNAYKFM EKDDTDPMRVE SPMILNVLAAGGSLPLRFNREL VHS
LPYIHFKNILNFAIGNELMLHKLVEKDDGNSDGT KFNIP IITHPGFLKTDLHRGQGLFM
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QDLKEHGHWLNLLLLTLEADN

>comp10481_c0_seq1; 303 191 940 LEN=1249; translated
MNACRAIR TARNVVVRSTRSDATRSLGSLTNGSNSAHRGIAPQSPNRDWSPPAGAQSAA
SGVCVSVSAPRRSMVTVTQTKTSEAPLYSAPRTGDDGASS EAPTYVRNEDTTLNVTQ
GCLDQVERLLRQRRESEGDNSDNDGYFLR TYVDAGGCSGFQYQFEVDNDLDEDEDVVV
VFALDGGVPRPRVVVDETSMGFLEGSTIDYV VEMIKSAFVVT DNPQSESACGCGSSFAMK
NFEKFGTGD

>comp10482_c0_seq1; 598 125 2567 LEN=2567; translated
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PHDFGSTKTPDDAPVGLKDKWRLLP HFLKMRSLMRQHIDSFDHFVNVEMKQIVQSP SAR
EIRSEHDPNFYLR YTD CWLGEPSVEEDSYATSTATPFQCRLRDCTYSAPIYVNVRYTRGR
QIVVKRKVKIGQMPIMLRSQKCLYEKSEHELAKLKECPYDPGGYFVVKGVEKAILIQEQ
LSKNRVILEKDAKGEICASITSS THERKSKAYISM KHGRVYLKNNTLGEDIPIATVLKAM
GVE SDVEAVQLV GSEPIYVNALALSLEESSKMG IHTRLQALKFIGSKIRRNANSYRRPMP
PEDEAREILDRVVL SHVPVHHFDFRAKAIYVGHITRRVLLVHLGKMSLDDKDYGNKRLE
LAGNLLSLLFEDLFKIFSKDLKRQADMVLSKPNRAQAYDVVKSIRPDTITNGMIQAIATG

NWVLKRFMRDRAGVTQVLSRSLSYMSAMGMMTKIQSQFEKTRKVS GPRSLQASQWGMLCPA
DTPEGEACGLVKNLALLAHITDDEDTQPIERLCRDLGVEDVLR LSGHEINSQQAYLVLLN
GLILGVHTRPISLVKNLRRRLRRRGLAGEFVSFYLNKEQRAVHIATDGGRVCRPLIIVDEK
NGLPRLKQEHIEGLALGTLNVRDLLERGIVEYVDCNEENNTLIAVTERDLEIARKQGLET
RKMRYTHLEVDPFITLGVVGGIIPVSYILIIYFKIX

>comp10482_c0_seq2; 1002 125 3964 LEN=4179; translated
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PHDFGSTKTPDDAPVGSGLKDKWRLPHFLKMRSLMRQHIDSFDFVNVEMKQIVQSPSAR
EIRSEHDPNFYLRYTDCWLGEPSVEEDSYATSTATPFQCR LRDCTYSAPIYVNVRYTRGR
QIVVKRKVKIGQMPIMLRSQKCLYEKSEHELAKLKECPYDPGGYFVVKGVEKAILIQEQ
LSKNRVILEKDAKGEICASITSS THERKSKAYISMKHGRVYLKNNTLGEDIPIATVLKAM
GVE SDVEAVQLVGSEPIYVNALALSLEESSKMG IHTRLQALKFIGSKIRRNANSYRRPMP
PEDEAREILDRVVLSHVPVHHDFRAKAIYVGHITRRVLLVHLGKMSLDDKDYGNKRLE
LAGNLLSLLFEDLFKIFSKDLKRQADMVLSKPNRAQAYDVVKSIRPDTITNGMIQAIATG
NWVLKRFMRDRAGVTQVLSRSLSYMSAMGMMTKIQSQFEKTRKVS GPRSLQASQWGMLCPA
DTPEGEACGLVKNLALLAHITDDEDTQPIERLCRDLGVEDVLR LSGHEINSQQAYLVLLN
GLILGVHTRPISLVKNLRRRLRRRGLAGEFVSFYLNKEQRAVHIATDGGRVCRPLIIVDEK
NGLPRLKQEHIEGLALGTLNVRDLLERGIVEYVDCNEENNTLIAVTERDLEIARKQGLET
RKMRYTHLEVDPFITLGVVGGIIPYPHHNQAPRNTYTVAMSKQAMGTIGVNEYERMDGLI
YTLVYPQKPLVKSRTLDLVGFDKIPGGHNTCIAVMSFSGYDIEDAVILSKASIDRFGFGR
IILKKHQTSVRRYANGSIDR TC GPPDVSNFADGEDDKRYTKYKAIDDDGICMVGEKMEGG
SIMVNKESPANTTGDIGGADLGMNMGMSAVM QYKPSALS YRGQVPSHV D KVLITSNEHE
QFLIKVMLRQIRRPEVGDKFASRHGQKGVCGLIVPQEDLPFNDFGHSPDLIMNPHGFPSR
MTVGKLELLVGKAGLYEGRQGYSSAFGEEHGSADTAEATAEALLRNLNYTGKDTFYSG
ASGEPLDAYVFSGPVFYQKLKHMVLDAHARARGPRAVLTRQPTTEGRARDGGLRLGEMER
DCLIAYGASNLMERLMHSSDAF SANVCLKCGLLQYDNWCQYCRTGEKVTDIRLPYACKL
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>comp10483_c0_seq1; 278 119 640 LEN=908; translated
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SDESSDYS GDVDWA EWKVVAKDGKLDGKERPGKDFYKSEAEITA IKAANAATKT VSE
AGSSVSNMLPDVRSLSGDWRFWIGVLALVSVGLSLLSAPS DINSGLPGDSFYV

>comp10484_c0_seq1; 328 1 2351 LEN=2489; translated
XRLQRLGYVTIHL SALQDTTTSKMNASIPKRRGQSSARVAALIPYTSSENKRKADTDEA
TPSNKGSNKRSKTSSPYQIRIDLKELSTKASLAAGAVADARCESRDDYIIIVPNQAIGH
ALERIPGKLEELGCTKVNQLTEEQDRALSEL SQEDVDKFCYSLIVRCTVYNMTKIIIRD
LEEFHGCIYRKINRWLCEARDFQCSRPRRIYFDKVV PVI FAIARFRRRLLSGDPLKNAM
IYRTVYNMLGVRKFTDGD LGIVDPYTKKYLRLTFRHIFKDWITEENKHVYVKDRVNI EH
KTYEETLEKRRKKKYEPSRVASEENDNRMDCSDKTEDQMTRKKAPSKPPPATFKQNVNAV
CRS IAPGKIAPQKRSVSVRKILVQEKTSQKRVE SKSSPFASNDNMKRMGHSTTSNKAAL
KKVTPQPSSAALKENDMG TSCSILPLNGSAQKESVRFSDRVAKDAYLPAERNWGWGREP
SFTPMRYFCCKTRTWRSKTPMAHWMSSQLMRYVTKAGSFHHIFRFSKTNVQLYIQDEEND
EHCDVIVSGNMDLKNLGLQVAF LTGHTEEYHQSNK GKSMKNAMFTATLKREKMGFADKM
RAKNMREECGWDGLYDKSVKIVQIFQGYTKGPETGIIQKFRDSPLVELQWIVKLPEKVKS
YNICCVGIVPNECILGKRPP LPRVVNASVGV TENKKVTMNGK YMYEINEILRGDRKVKKT
IYQGPVEDLP SDP SLRESFIRKLADKITASPVVNREDECTVPEGEKASDEEIKAFQAYNK
WLG

>comp10485_c0_seq1; 848 201 2573 LEN=2652; translated
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AATRPLNACSLCPEGATPMNLNAITPFEDSCSQLD TYLKWIPEDLCLTERVGSIKRADAF
CGCPGVEAE CYMCGDNNR LSNPNRKVPFYEF LGNSFSSTCQDLADFYTYLTD DDP EIST
CEFVKMESEYCGCESNDDNAPVNACKLCS DGQAASKNQYIEEIDMTCGELETYLSHVPA
DQCQMPVWVDFMRFD FYCGCASATAPCPICPDGSINISNPDAIIPYLIIPDNENPTCKQL
ATLGVIAEPGELVLDNCDVFEAQADFCGCPGASKPEDSCEFCPGGDVPPNPDI VTPFGDT
CEELSEYLSFLPSDQCD SERIGFIKRQDFLCGCP SATTSCALCVNHNSNDAKY PDRHIPL
LSLPLNTNPTCKEVFEFMAVNDGDL SAPGCAALQEYQGYCGCPSTVPTNECSFCPHGGSP
ANPDKVSDVFTCQGLDDFVSFLPGDECGSESSDFKQIQAFAYVCGCPHTEP SCTLCPGG
GDPPFANRLTLDTDVTT CGEYAEFVGTLTDEQCASQSAEIKSAAFVCGCEGASAPTPAS
DVGKCSIQQNAELCTKLLDSVEEECDCYAFCD SQFVKCQSGEGLLQNSECAGIPITGC
NRAGVFSSTTPKQMDDDYIEVEKSSKSSEPPNITLIVAIIVPVLLAALVIVYYYFTRNT

QQRNAKFDEEFSEADDAGAAPVPVAMEGSLSMSDVQMPSSPPNMNAPADNFTIDDTEPP
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>comp10486_c0_seq1; 653 100 2052 LEN=2375; translated
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TRTLEWVQRKQNNIESASDRPSPLAPSFQKEHLWPSVFANPEQPWKFTIHTLGTKVHRDE
QDKMRQTFRKTLDLCIEGPVRLKDPATAQEFLLIREIQLDGKGSPLWAKTEKTTTTTGTETS
QPNREFNTDAIAYYFGRVLGGRTRSSDGSRGIDHYSKTRPYLGPTSMDAELSFVMTSLG
RVTSSSTIVYDPFVGTGSILLSCAMRGAYCIGSDIDIRVLRGKGGDRTIWKNFDYYGLPRP
EILRTDNALYHRHFRHHTPGDSVEDEDESVAPTYDAILCDPPYGIRAGARQTGSRLN
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HDCLELVHTCYQPFSTELGRRIVAMEKVSVDYDPRKRQTYLSTIWKFGAESAEKCANLREK
IMEAARLKPGEYEEKAKIRKEKRRANKEAKKQEKRAKRAADQRALEVQNQQ
>comp10487_c0_seq1; 224 288 595 LEN=595; minus strand; translated
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>comp10488_c0_seq1; 548 112 1110 LEN=1435; translated
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YLSDAYVTSVASKPYSKDPTVRRPLEYTLKLNHVMHWREAGAPDMINLVDLANGPESA
PEALEDPERLVKAKAMVYALNYGSLYWHGLTKDGRPVWLRTNRKPWYPDVDAEVNALS
MADVGIKHPAGVTDVICVSESSSPPPNPTFMIKMLKALVKGYPDRLNVLLSAPVSSIV
QFVMNLLLPLMPGRLASKVLLDVEGAKPKLAELLLNGEEDI PNFFGGPCNHDEYYPDPS
QCENRGQGTTLTFDWYGMVERLEKAKREFEAKK
>comp10489_c1_seq1; 166 1 462 LEN=462; translated
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FEQMAKNLKESEIEIKRRLESIKNEQQAEANMLRAELQLKAAAIQQQGTKAIHSGGNSSVL
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>comp10489_c1_seq2; 348 1 1249 LEN=1249; translated
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SNERDNQMEQFFERRFSNTGLIGNRIDGLIASRATTTGLMEKTAKPSPRALSNDGITFAS
STANSATMDALRRESKGPSSQKLHLENTFKRSLEEIPGTNSTVTPSWYQKASSLDSSAAV
SNEQRLQMLRRNSLPPSTSELVQASSLKRRRLLEQKIKEVRDLGIGDAMEQIRKLDTNMK
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>comp10489_c1_seq3; 316 1 936 LEN=1086; translated
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DIVDLGSENASKIETDQKEEQIDDRVKYLGKIGGFMPMSLYKNKSVTMDRSRYDDSI PP
TEVQSYGIRNSISTHIKNTVNNKSASAPRPPALDGYKQIWRDIRVVVGDDPEVDES LRKE
VFARKLHRGEILGKRDDGIAATGNTNGTSDLQTYRQRLSELSHDSNNDSDLDNSSHIQEH
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>comp10490_c0_seq1; 311 1 847 LEN=1209; translated
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QNPENWNLVSVDYVDLTPAMVSLLVGINFSSFDIMLATVQYGNPNFYRPSMSVTSKVQS
HVMRDKCLFLNVGKDFGSNFGTTLAYRVLGKFYSIVIHFDGSSVIVLNEYNHMQAGSKE
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>comp10490_c0_seq2; 584 155 1618 LEN=1980; translated
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FRGCMKGCKLSRILEDVHLFCQDFPGEFLVIKVAEYGRAFDPKLKKKALDIIQSSLGDK
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WMEDKWYNTKDSKQLLEWNLEEVKSSGKQGLLNNQFVLSPGVGNAGDLLQLALGWASLQ
PVYLANDLYKPQKRHGAPVLHEFFAQNPNENWNLVSVDYVDLTPAMVSLLVGINFSSFDI
MLATVQYGNPNFYRPSMSVTSKVQSHVMRDKCLFLNVGKDFGSNFGTTLAYRVLGKFYS
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DFDSPF
>comp10492_c0_seq1; 387 1 2190 LEN=2458; translated

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STTRPITDRPLTFGPVAIASGIQIPTPPVVPVPAPVPVFAQSGADSVLLVSDTINPILRD
ARIQIENLIRNDEDLTGKVSSTMRKDXMRILVKLERLCHLNLWEKYLILLHPNELFLRL
VFHDCIGGCDGCVDMANPDNAGLDKPINALQPLVDSFFDRGLTRTDIWLVLAVATETAV
PAENRDILFDLQWIGRKTCEAMVDCGVDFSGNPTLCTSMRGPVHGQAHAATAGTRSIQAFF
ENEFSFNPQQVTALMGAHSVKGMSRENSGFTGRWDLSSSTSFDDGGYWIELVGPDPDFVLED
VNNDLPGIPSRQYRGFVSQDTRVTMLHTDISLVRNLEDMRDGQTNCFNGPNQCSHDT
PFMPHARRYTQDNRSWLVDVFRDVFNLLIDHGHAKAGFCPPGRICTFGFEPQNTLATEVLP
PPTQAPSPPIREFGVNGARIFVDKTCYNVGESIVATFDNISAEENTWIGMLPLGVVSDFTD
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ATFFFIGG

>comp10492_c0_seq2; 495 1 2076 LEN=2344; translated
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STTRPITDRPLTFGPVAIASGIQIPTPPVVPVPAPVPVFAQSGADSVLLVSDTINPILRD
ARIQIENLIRNDEDLTGKFLRLVFHDCIGGCDGCVDMANPDNAGLDKPINALQPLVDSFF
DRGLTRTDIWLVLAVATETAVPAENRDILFDLQWIGRKTCEAMVDCGVDFSGNPTLCTS
MRGPVHGQAHAATAGTRSIQAFFENEFSFNPQQVTALMGAHSVKGMSRENSGFTGRWDLSS
TSFDDGGYWIELVGPDPDFVLEDVNNDLPGIPSRQYRGFVSQDTRVTMLHTDISLVRNLE
EDMRDGQTNCFNGPNQCSHDTPFMPHARRYTQDNRSWLVDVFRDVFNLLIDHGHAKAGFC
PPGRICTFGFEPQNTLATEVLPPTQAPSPPIREFGVNGARIFVDKTCYNVGESIVATFD
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>comp10493_c0_seq1; 200 164 499 LEN=499; translated
MRISAIIVFLSASSAVAAAFAPVSTRSASITQLQAENVGRREAIGAFGAFFGAALLFPDSSQ
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>comp10494_c0_seq1; 988 1 2452 LEN=2587; translated
XVSVVAKRIVGACLERPVSSLVPHDSSSLAPHGASNIEHRPPTSMSSGNLPPGYNPPLF
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KLSKSSSSGGGAKASAGGIGSGSSKSSSKANGGSNKSGASSVSTSRQVPGNTSLEFN
KQONMLTQCDYVDRTIWATRVLWGGNAVNGFLRATATAQR IKKQRRARQNNSTKMSRAA
ANASGGGAAAGEDDKKGAAMGSAGLLAAKSNSGIGGSMGAKTKEVFNQKEEELLKKE
IMNPR TAKKLKGELEAGLTFCATVCNVLRGVLFIDPSPSLPPLPHLNLQHEKSPPAHTF
LVSPSPPTAGSQHRSSGATGGGTGNTKATKGGSKSKNASGTATSKGGASAKNSAVSKQQP
QAAAAAPT TTKSAGDPGSSTLRRLRKT SRKNKSQSI AKEPGFANLPPEVDP SNGNKRCT
KKEYQHRVFQLLRYRDLRQGDYCAARLSSRDWWILAKVLKDYKTTALAPS YTS SPLEFLA
MSDTRDALLQKERV LLEDVEDQQATAGTQVVRSLVPLPRSSAEANEWASKLIK KGSRV
YAMY PETTVLYAATVIDGSTYCRGDDDIIVVQFDEEEADLRTGTFPSYHVSAPNYVTGKT
ERQIDFGTNI VVVVVVVVVVVVVVVVGGGGVDVRSLLSSVALTVXIFNSSPIEIPARFVTLI
PREFPASQSGRGGSTAKLSSNASSASSSNNKRKSSAASSPSNNKKRSGATNTGAAVGNGL
LDPLFDGGLGGFDDLDLDFDKPLDAHEQGDQEKFPDF

>comp10494_c0_seq2; 1005 1 2266 LEN=2401; translated
XVSVVAKRIVGACLERPVSSLVPHDSSSLAPHGASNIEHRPPTSMSSGNLPPGYNPPLF
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KLSKSSSSGGGAKASAGGIGSGSSKSSSKANGGSNKSGASSVSTSRQVPGNTSLEFN
KQONMLTQCDYVDRTIWATRVLWGGNAVNGFLRATATAQR IKKQRRARQNNSTKMSRAA
ANASGGGAAAGEDDKKGAAMGSAGLLAAKSNSGIGGSMGAKTKEVFNQKEEELLKKE
IMNPR TAKKLKGELEAGLTFCATVCNVLRGVLFIDPSPSLPPLPHLNLQHEKSPPAHTF
LVSPSPPTAGSQHRSSGATGGGTGNTKATKGGSKSKNASGTATSKGGASAKNSAVSKQQP
QAAAAAPT TTKSAGDPGSSTLRRLRKT SRKNKSQSI AKEPGFANLPPEVDP SNGNKRCT
KKEYQHRVFQLLRYRDLRQGDYCAARLSSRDWWILAKVLKDYKTTALAPS YTS SPLEFLA
MSDTRDALLQKERV LLEDVEDQQATAGTQVVRSLVPLPRSSAEANEWASKLIK KGSRV
YAMY PETTVLYAATVIDGSTYCRGDDDIIVVQFDEEEADLRTGTFPSYHIPARFVTLIPR
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>comp10495_c1_seq1; 367 226 1356 LEN=1582; translated
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PGENADLLPLSSFDRKKLHMKTRGRVIPIIFMAEPLIPGQRLHFRSGDPKFEELIKYIA
QSEQNYADHGASAAGKIEIGIVAFDPKNKQILTTGVTSPVQTKDFAYSLLTAENQEKAITT
SFRGTRFLRMLSEPWMDPSGFSFHMAHVEILDGRYDDQKLVQRGKIQSDSDKLFSLIPPMV
DDWMELMFEAGLATPASLRLSLQDTVATEMQQERLQTDNDPSHRTRRRNNNYALYPPRRQ
MERAVVWVALLNPIRRYSTRVSEIRPAFLACRNRDRDLALCVEALHTSLGFLFIYVEAK
RRGGSEKDEDGSGEIG

>comp10496_c0_seq1; 664 112 1953 LEN=2250; translated
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SRERVMEIHGIPNPLSVEEETKLEEMQVELDQLEREASFANKNAITACKSDPLATHTS
AYQKAKLLKSELIYDRQFRWSFLHRENNHPKKAALRMFRYLDFLMQTFRDNDELLERPIF
LKDLDPGALEYLQIEGGGISQILPIRDSSGRRILVHLTDAACSLLYQQQIGFYISQCLTE
DRNGVVVYFLHNTSRKFLDLQQLPMMNQLFRVLPPIRFDAVHLCCPDLPMYEFCKALVTL
YVGKENRIRRRHLHLSYLECKYSLQQYIGIVDRLPINLETWKWSHSDTKHFRKWLIGRE
AKEVAIRAAIVEMKNNKNETNKIDLRPNSNSKGNEPSVRGTKQSPLNGTMEIFRAIRKKY
VECPHHEDCLFGKGNMNHGNAVAMRQLVAGMCQHFHDSKKEKQNLARDIIDRVKAG
GGRFLKEDVATTGFYVEVDDDLALKKITVAFRDLKKKFSRESIKQNISGLEKREHALSV
AKHQLPPNKKFMRNSNLDESQYNRMISPLPLVVSSVSAAATTTKGNSSDQLPTYTGSIFD
AKEKPSSICSCDS

>comp10496_c0_seq2; 405 206 1180 LEN=1477; translated
MYEFCKALVTLVYGKENRIRRRHLHLSYLECKYSLQQYIGIVDRLPINLETWKWSHSDTK
KHFRKWLIGREAKEVAIRAAIVEMKNNKNETNKIDLRPNSNSKGNEPSVRGTKQSPLNGT
MEIFRAIRKKYVECPHHEDCLFGKGNMNHGNAVAMRQLVAGMCQHFHDSKKEKQNL
ARDIIDRVKAGGGRFLKEDVATTGFYVEVDDDLALKKITVAFRDLKKKFSRESIKQNISG
LEKREHALSVAKHQLPPNKKFMRNSNLDESQYNRMISPLPLVVSSVSAAATTTKGNSSD
QLPTYTGSIFDAKEKPSSICSCDS

>comp10496_c0_seq3; 309 112 846 LEN=987; translated
MTLGRGAHQNGNLDKAKAFARWEGNPKDIESILLQOCKQQLNPPQVEDLLVKELNKMTHD
SRERVMEIHGIPNPLSVEEETKLEEMQVELDQLEREASFANKNAITACKSDPLATHTS
AYQKAKLLKSELIYDRQFRWSFLHRENNHPKKAALRMFRYLDFLMQTFRDNDELLERPIF
LKDLDPGALEYLQIEGGGISQILPIRDSSGRRILVHLTDAACSLLYQVCYETCQFVLDFF
RKVL

>comp10498_c0_seq1; 263 1 852 LEN=1165; translated
LSMVQDAILSTLDFKIRIKMWLSLRAAFIVVAVAMANSMTVDGLSSPSSSSQIPPPPI
SVPVWSFATASTEPCNTITSMNIMTFCTPVSVSSPKLWALSFYHGTLTKDSFLGNDDEDN
DDDVPSTGILQLLTYDHRHLVPILGKKSGRDIDKSVACGEEGFPWWKIPNPTPPTLSSV
DETEGFDTGDRIGKFEVLPGCALYLQVECRSSKSLIDAGDHVVAICKVTRTGWVQPEL
GKIQLWDEFNGGDIDTAMSLPLAAIDESRALYSGRRLRQEGIL

>comp10499_c0_seq1; 161 1 881 LEN=1028; translated
IRFFDWIRSIVPPTERLSRSSMPPQMGTAPGSDAAGASATATGDPVLPWVVRAGSDNGD
WGEKLEVPWPKDDGGAYRASNGWRGRDLVHDRDSPVRVLDYVAYGGGIRQDHSDEKTL
YKTFARGGVGTTLTGIVHFTSRAESHKGYCHGGSMCGIMDDVLGWIGFLATGECLPWSGY
TVQVNSSLQKPVVGSFLRVRAEIVGIERRKVSIEATISDPAAERPGLAEGGRDPSIHAT
ATGLTILNRGVLCEDRKXVAAETTPLEETKGAAGSVARECNGFLPCNDSSI

>comp10499_c0_seq2; 199 77 894 LEN=1041; translated
MPPQMGTAPGSDAAGASATATGDPVLPWVVRAGSDNGDWGEKLEVPWPKDDGGAYRASN
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RAESHKGYCHGGSMCGIMDDVLGWIGFLATGECLPWSGYTVQVNSSLQKPVVGSFLRV
AEIVGIERRKVSIEATISDPAAERPGLAEGGRDPSIHATATGLTILNRGVLCEDRKXVAA
ETTPLEETKGAAGSVARECNGFLPCNDSSI

>comp10500_c0_seq1; 841 985 3563 LEN=3839; translated
MKNPLDSFDYLLPPIIDTKGAXALLSPIFTKQSPLNNQTHKAFFGSSPGQIKKSELTYKMN
RLNKMFKKKKSERKSDSHASPRVSGNAPVAAPPPAPVPKVDGAVPMQTD AEDRERQIN
AHGKARQKQKRAENIFA EKVDL TEKFEV PKYKSDGAVRFIDNSLVDNFI FASLSAQERR
LLIDAMVMEKVQAGTVI IKQGETGDFYVVDDEGHVTF AVDGNHVGACGRGGSF GELALLY
NCPRAATCLANTTCRLWKVDQRTFRYMLANNNASQOKDIHDVLRKVPFL SELAENDLLRI
SDALTSVTFPEGERI INKGDVGEVFYILREGKVKVHDI GFGDSQYVDQVIGPGDWFGERA
LLTG DARSANITAVTNTTCLSRDTFEKVLGPLQHLIDRAAKKRTLEGVPVFANSEFQP
FEMTRLTELLTEQTFPAGTILAEEGKEYEPNLYI IREGRIVVSNSKGVNTLMDADYFGA
LWLKEPIGSPSPITVKIEADTECGVLTRKDIESVIGDIKRLGKPLVMHTVTLNKDIKLN
LVKFRILGVGTFGKVLVSHKKTSA PYALKQLSKRAIIGHHQVEGVLRKNIMANI QHPF

VVDLVATFQDDRHLMLIALVQGGELFVSIHTETRDGIPNGNSRFYAACILESLSHLHRR
GIAYRDLKPENILIDSKGYCVLVDLGFVAKIVSDKTYTLCGTPEYLAPEIILSKGHDSGVD
YWAFGLIYEMLVGRSPFYSGTDQVSLFKRIVQVKYAFPPGGLVTEPAQDLIQRLIVRR
QANRFGCLARKDMDVRDHYWFNVIDVDKLLRKKIPAPWIPKIKDPLDASHFDSYRHEENQ
PQSNKPNITAQQQALFKEF

>comp10500_c0_seq2; 804 155 2725 LEN=3001; translated
MGQCMGTGRKQRLATDPTAAISCPPEESQEQHSLHRPRSVEPSARMEKKTTPPSPSTTDPT
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KARQKQKRAENIFAEKVDLTEKFEVPKYPKSDGAVRFIDNSLVDNFIFASLSAQERRLLI
DAMVMEKVQAGTVIIKQGETGDFYVVDDEGHVTFVAVDGNHVGACGRGGSFGELALLYNCP
RAATCLANTTCRLWKVDQRTFRYMLANNNASQQKDIHDVLRKVPFLSELAENDLLRISDA
LTSVTFPEGERIINKGDVGEVFYILREGKVKVHDI GF GDSQYVDQVIGPGDWFGERALLT
GDARSANITAVTNTTCLSRDTFEKVLGPLQHLIDRAAKKRTLEGVPVFANSEFQPFEM
TRLTELLTEQTFPAGTILAEEGKEYEPNLYIIREGRIVVSNKQVNTLMDADYFGALWL
KEPIGSPSPITVKIEADTECGVLTRKDIESVIGDIKRLGKPLVMHTVTLNKDIKLNLDLVK
FRILGVGTFGKVWLVSHKKTSAFYALKQLSKRAIIGHHQVEGVLEKNIMANIQHPPFVVD
LVATFQDDRHLMLIALVQGGELFVSIHTETRDGIPNGNSRFYAACILESLSHLHRRGIA
YRDLKPENILIDSKGYCVLVDLGFVAKIVSDKTYTLCGTPEYLAPEIILSKGHDSGVDYWA
FGVLIYEMLVGRSPFYSGTDQVSLFKRIVQVKYAFPPGGLVTEPAQDLIQRLIVRRQAN
RFGCLARKDMDVRDHYWFNVIDVDKLLRKKIPAPWIPKIKDPLDASHFDSYRHEENQPQS
NKPNITAQQQALFKEF

>comp10500_c0_seq3; 746 1543 3997 LEN=4273; translated
MMHADKSYANHQNKFPRTHGTPHIKSVVQSRQQRQPQTNKISQAPVAAPPPAPVVKVDD
GGVAPMQTDAEDRERQINAHGKARQKQKRAENIFAEKVDLTEKFEVPKYPKSDGAVRFID
NSLVDNFIFASLSAQERRLLIDAMVMEKVQAGTVIIKQGETGDFYVVDDEGHVTFVAVDGN
HVGACGRGGSFGELALLYNCPRAATCLANTTCRLWKVDQRTFRYMLANNNASQQKDIHDV
LRKVPFLSELAENDLLRISDALTSVTFPEGERIINKGDVGEVFYILREGKVKVHDI GF GDS
SQYVDQVIGPGDWFGERALLTGDARSANITAVTNTTCLSRDTFEKVLGPLQHLIDRAA
KKRTLEGVPVFANSEFQPFEMTRLTELLTEQTFPAGTILAEEGKEYEPNLYIIREGRIVV
SNKQVNTLMDADYFGALWLKEPIGSPSPITVKIEADTECGVLTRKDIESVIGDIKRLG
KPLVMHTVTLNKDIKLNLDLVKFRILGVGTFGKVWLVSHKKTSAFYALKQLSKRAIIGHHQ
VEGVLEKNIMANIQHPPFVVDLVATFQDDRHLMLIALVQGGELFVSIHTETRDGIPNGN
SRFYAACILESLSHLHRRGIAAYRDLKPENILIDSKGYCVLVDLGFVAKIVSDKTYTLCGTP
EYLAPEIILSKGHDSGVDYWAFGLIYEMLVGRSPFYSGTDQVSLFKRIVQVKYAFPPG
GLVTEPAQDLIQRLIVRRQANRFGCLARKDMDVRDHYWFNVIDVDKLLRKKIPAPWIPKI
KDPLDASHFDSYRHEENQPQSNKPNITAQQQALFKEF

>comp10501_c0_seq1; 253 321 800 LEN=800; translated
MPLPPELKTARAGMPRTPHHTPAKASLPDAKDVAHAHGGSFLSKYFLVILFGFAVASMV
NSNVAHSVHQLEGSNGNNAKRLKDFRVSRSSEKAFKRMEMEEKFAEPTSPGSNVGGAG
ENQNDGEGGNEDNNASNDHENKENNDGQTSNPNKEEEQ

>comp10503_c0_seq1; 397 1 1106 LEN=1696; minus strand; translated
EETPEETKEPTKEPTKPPTLSPTKDPTREPTTKPTLSPTKEPTKKPTLSPTASPTVRPT
VEQTAEQTVPTAEQTAETSSSTNPPTSATTGEPTGFPSPLPTGRPSPTTNPACPKSG
LLKLQATRQATPYPGPPDQPTAVRVVSVSEDTTATVELFQAWGTANANANTVENYFYEY
QPSLFEHRCVQEQLPPSRPSSGSRSSSNTNDAPIDSVSIRCGITSKTAYLTICLQEV
SNKKGLLGEQDTAKVPRCCHSDAAPGARAVCYTLSIDCSRDCGGNSDGRSDRNKIHNETS
DESGQALGVXPQAPRGLTSENLRQEKLLGGPMASPPNGILAGCVSVPATSGTALSTPDGQ
ETTAKRQQ

>comp10504_c0_seq1; 387 222 1574 LEN=1761; translated
MTEFYHDAYQVYELLDERSYRGCPEPNAMRDLFHRKPSEAKREFLYGQTLHLKAFRFFSDK
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GELPLHLASKRTEREDVIQFLLCFPDACCQYRDFNNGFPLDHALEVTIPNPAIVELLVKQH
PVLLSFPDESALKIHRMLNKCSLLEKSGYDELIEILAAGCGASLRLQDGFSTPLFLAC
TQNHLSQIYSLLRKWPQVAPSRSRCIFDSTVFNGEILYPSLISKSTKKSNNVRQWLLGE
PDARLRQDLHGRLPIHYAVLSKSKGAYDIVRCLLFGQDGDGVTSTVTSQSCIQQLSTKD
NNGRLPIHMASASPCSPAILKLLIDAYAQSLEHNDNGRLAWHYGECRQDLVFFETTAE
LFPDMEVDLDPEDIQWDILSVKGHDS

>comp10505_c0_seq1; 268 2289 3473 LEN=3527; translated
MSTVTDPMGFWGFDDFKGYGVGGVILRNTANVNGVEDIFPGPEVFYPSPIERGAKRNTY
ETETEKN TAKRRKKGRKRKAIRSKLLYP AIRLFRKQRRKVKGIFISYRRSDIKDVEKFSA

VSEVSTITPISTKSTQATSSIVPESIKVKQEPSMIKAEINEAKQESSSITTAFTI IREGV
LDDIPRTNSNIENTEDSKDLTSQPTIIKAASESVTAVVTQPKGDRWAVASPDV DLSGKWE
LIVTNEFKEHYDRYLERLGQPKIVRSVALSGPVIQOTMEELIQIDCGRSLLIRGKNIRGT
WDRTLVASGTTKYEDEYTPLIETIRTVDGEQVKSEAWWESEGTVHISWMRGVTMYGGGSF
FSRRYFEEMEGETVYVCDSSVFVNDPKEDNSLW
>comp10505_c0_seq2; 268 2179 3363 LEN=3417; translated
MSTVTDPMGFWGFDFFKGYGVGGVILRNTANVNGVEDIFPGPEVFYFSPDI ERGAKRTNY
ETETEKNTAKRRKKGRKRKAIRSKLLYP AIRLFRKQRRKVKGIFISYRRSDIKDVEKFSA
VSEVSTITPISTKSTQATSSIVPESIKVKQEPSMIKAEINEAKQESSSITTAFTI IREGV
LDDIPRTNSNIENTEDSKDLTSQPTIIKAASESVTAVVTQPKGDRWAVASPDV DLSGKWE
LIVTNEFKEHYDRYLERLGQPKIVRSVALSGPVIQOTMEELIQIDCGRSLLIRGKNIRGT
WDRTLVASGTTKYEDEYTPLIETIRTVDGEQVKSEAWWESEGTVHISWMRGVTMYGGGSF
FSRRYFEEMEGETVYVCDSSVFVNDPKEDNSLW
>comp10505_c0_seq3; 268 2436 3620 LEN=3674; translated
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VSEVSTITPISTKSTQATSSIVPESIKVKQEPSMIKAEINEAKQESSSITTAFTI IREGV
LDDIPRTNSNIENTEDSKDLTSQPTIIKAASESVTAVVTQPKGDRWAVASPDV DLSGKWE
LIVTNEFKEHYDRYLERLGQPKIVRSVALSGPVIQOTMEELIQIDCGRSLLIRGKNIRGT
WDRTLVASGTTKYEDEYTPLIETIRTVDGEQVKSEAWWESEGTVHISWMRGVTMYGGGSF
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>comp10506_c0_seq1; 836 169 1710 LEN=1866; translated
MPRSTSSKALVALLLVVALASAIRTPESFPQHSIHQSSQLRQRQHQQQPATAAAV VET
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ADAVVPGLGNSIFEYLTPTGTTLLTKWLPVFFVPGLAMLP LAPS VGSGL E VAKVLLVTGLG
FIYTLYTVAYTVLFLRKL D GKIAPAVPAKAAKSAAVASGPPAKPFSAEAMSFLMKASIA
TGIGSLLTEKFMAGAVWESPLKAAFFVATFASYVGCARGPPAITKAVHPLLTSTFV VWG
LLYAYGAATGSASFADSVRSYKTS S L A W N A A G A G D L L L F C L G P S V V S F A V S M Y S R K K L M L
ENFKIVVA AFLVSSFGTLFGTAAFTKLIRLGGASGNSLMIRLSMLARNITTALAI PVTM
LGGDISIAVVVVLTGII GAQYGRKLMDFANIQDPITRGLAVGSAAQGLGVSSMVSEVDA
FPFAAMAMALTAVAGTII VAVPEVKDAIVGICS
>comp10506_c0_seq2; 291 169 808 LEN=808; translated
MPRSTSSKALVALLLVVALASAIRTPESFPQHSIHQSSQLRQRQHQQQPATAAAV VET
TPRGGKTEAAPKPAILDPAVGTGVVLTVIERIVNKIFVDAGINFPAQLGGCGILFAFLVL
ADAVVPGLGNSIFEYLTPTGTTLLTKWLPVFFVPGLAMLP LAPTLD PDWRYVAQK KSKGYG
TSECVEWNPVNEFQCKRCFRSLRSNFFCSAFL
>comp10507_c0_seq2; 174 1 1557 LEN=1595; minus strand; translated
XHNQKNTLSPGQDLDSVLGFTHRENQSTFGIATRSQEKETHDVEIPRVRSS THEDDL SKL
SNSTTDSSNGIDDPPIKEIVLFDSSIDHSFSKCRSVESELD ELLKREPAANDTTRGKPDF
AYDISLINYKGDHLTPVKRMKNERSTSRGQSARRKGIAPVSRDSLADLEDY LMDALSVIS
ERNKVIGDLRQQLTKKDRENGLRRHIEELNRESSRRRQRSRRSRHHSKNASRQDLPKNE
ISATYGAEARGGVVLQQTNSTHETAFAD ESEIYEDKNRVSENVCSYRDISNFNTDSGERR
LYSIAWGSNESNGIEPSVESDLRKSQSARPYKSRSTSDAVTGSRSYHDGRNTTKIELHRG
YFAHTRERSSKQSPKKVHRNNSSKFEQPASSPGRRLERDDETKVAEPSTPIAQTM MVQGI
PLVEAGALHIHLMVGGKRKSLEMIPEEVATLHAHPSVSVSETTLTEVGEPLGKSQ EIVPEEV
GILPTQPRNVCESIQTALGTPLRESYGIVLVEVCMLPA
>comp10508_c0_seq1; 377 349 1377 LEN=1576; translated
MRASILSLVALVSAAMHFQGSGEFVGAIAPRSSLGVP SGSSGPSVFGMPRGGAFAVSTKG
AKVAPPSS E I A R G G Q Q A S S I K E N I F K R I I K R K I D E L I E S G Q A G W V V S F A L S I I Y L V L F F Q
DGGASTNACTYSSAGFCVTNFDGADCPIMNSHTWAFVAVDMVFLVACFLVPSDRRTTLYKAA
LAFGAVGSHGALHALLGIFVNCTSDPFGAETIFGAFGALISFLILFSTTELDNMIKLVI
SAVSGYLTVLLSEGGAGVSSIFLITQLLASGAGIFDTEGKLTTPLMGYTFIAPCLVSIIE
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>comp10509_c0_seq1; 535 89 1198 LEN=1321; translated
MTSIKNTFPAFL LALLSSGAEARKKPEPTIFGLDSC TNDASNGNTFR TYRLLCDDGATF
SKFCDLLNSGPFVVDGGAPIDIKAYINTGLNLHTIFAPTDSAFDSNPLY SMLVELRNTGT
PEALALYNKFVAQILQLHILPSTFLMEDLECDGIYDTLNL SALAQDQYQKTKCRNAV TN
PTQIGGGNTMEAEQPVIQPINVFSASQFPLEATGGLFARRQTVKGEFSTNVVGCNGVIH
TVDNILIPGDIMVDGKSSKSGKAGKSAKKDKKKQPYPPPPPGGEEVVVVVEEA EVELDF
TDMVAEAAAYAEPEEPLVEEA VVEEA AVEAETDPEGRK LK VDSRREDLERRRRRLEALLEP

DGKVVEQLN

>comp10511_c0_seq1; 294 236 781 LEN=1347; translated
MMKKPRHVESA AFVSI IIGMQAC LLEVA FFSFQPAGEQLSAIKTSTRQSVSLFAEKCS
SSS DNAEHKSQHK EEDFFF GSGVDLETS GAFPSDDQISSSLNQKLELEFGIGKRYVIR
TQQG FLNVHYEPIDPYMLDNVVNQ LSDGQIVTATGPKRGVWIPHDGGGWSVSKFAGFT
WLEPID E

>comp10511_c0_seq2; 168 732 914 LEN=1480; translated
MCMREQPIDPYMLDNVVNQ LSDGQIVTATGPKRGVWIPHDGGGWSVSKFAGFTWLEPID E

>comp10512_c0_seq1; 445 1 2259 LEN=2633; translated
STGNNRSKNRNS SSVSSASEAFQPADVSDASNP KSSIGNPVDEQLSDNGNEHSTPPTS
G KRAASSPMFKMPSREEFREIMLERERKKKEKQLKLRQRRIQQLARKNGAASSNPNICGIG
TEDDATERGTASYRTTIDEGYQWEWEV GSSPSSKAASAPVPYRNK KSENYLKPVPSNFGK
KLPRSWKEAYHFLRDYRYIEETCEVPSNHPI LGKFVCDLRSEYERFRAHTRKQLRRQKTE
QQRLQHRWSPNQNHGNGQEGSLSNVKAYRTP TPASPQKDMTRVDRSRIKDLNRLGFDWRI
EERDCQNETEQPSLPLM LDTFKPGHQSHSPST EKVDPTVANGKSSGDKYSKKIKRKHENKS
NINDDSETRTESEYEQT DHGNGDSSVDDKRATFADEKMLDDEV TQAKETPKLPKNR LSHA
GDDAVLIASVMEAQATLNETPLF HDIILSKHAAFP THLYRLLRLATVRQDLGLESIISWT
EDGGGIFFRDDNRLLEDV VSKASRMKKIVSFWNTM NRYGFLCSQRGLNGNGS QYRVYHH
SHMQAEDANDSSRLRFYRGAPAE LIGSIKQKGE GTVNKKKNQLTAKSPQEVGAVKKPSKQ
KQLTKSHKRKHPSWMD EEEYGAA LPKKGNTQPGRSTSSLSVSSSENGRIVHASKKNLQHD
SSSTWRAHDLNKKKGRNSQNLQGERHQSRQQRVTTSSCPPRITPYEINKSNWGKIERL
INLNRCKRLGDVRGTMNETS QSPTSSENDVEFV

>comp10513_c0_seq2; 658 546 2657 LEN=2791; translated
MSSLYYQDLQHEQQQQQHRQQQH QHQHQHHYQYHPQHSHPHSHPHPHQEPHHPHYE
SQNYPSHYHYQHPDHRYPHEP IRSHHSHRTQENAPSPDQDYDPHSHPHQLHSNACSHR
QTSPHSASSRGSRS SDVSPYLE SREALLDALAAKISLESKNYCLDSYFPPEVDRPGGLP
RQQNVIHAAWREKICQWSYNVVDHYKLPREIVSISINYFDRFMATLSTAEEDSAMGNING
NINANSKNKAKDTKT DGTGKSGDLALLASLGLHLATKVHLTNHNDYDPEMGPLESQHYK
IPTLLSLATLSRQGF GPD SILEMEKQLLGALEWKLHPPTL FALINMLLELIPTTREDPIE
GIKKSIRDDLFEAAMYLAELSVC DVFFVEHQVPSSTIALAAICTAMDSLSSAMETSMMAG
FDASHLRGSGCFSDHRRVFL ETCSDRLGLGARNSHDRALFRKTMERLLAIQKGAEDAGH
LSHMEAEVESDVNSPTNPHDEIQQRCSNSYNPPTSPASIADMSMSTINSCIHSMAETT
LGDRETASLKRGD SMANSSI PTRNESMVSS IDCQSQSVHTQKSAQGARTASNGGRDTPDC
GDTSNSSCNSNFRYSPSPKSD DGDGDGFRKNRGEDPRVADFRRRVEASLVVSGSGRSD
HLHGEIYYHPSGGDSGSQQGREGHF GSNNGAAMMSCSPIVALR

>comp10514_c0_seq1; 442 1 1326 LEN=1365; translated
XDNDRTNNEFHSSLTNYKVPNKDIRNYLELLNIQSAKPV RVASMVASSYNTDDLHPMASK
ILNENLVVIEDETRASSLPTSP TGSSKPTTPSELVSVPIGDDDKQNGVNKSVSKKRKIEC
CDSPSEEIDSSFI PALAIETDDIVSVNYDSEHGHGFQHD AEGEENVDDTVGIDCSHGNGN
KRFKRSYPSDLIVVLDMDECLIHLETEEREQDEKWPFS AFSTDEDEDEEHKDDSKEDAAT
PHQTKFIYV NENKVFLRPLG LIEFLRFVTTFRDTHIF TAGTKEYADAILDKLCVLVGNTHA
FSKRWYRED CETVDIWD PCTTFHLDR TYVKPLSKVAEWVGRDANDLRRIVHVDDR IQNFL
LNHDNGIQVSGWRGDDPNDEDLSKV TNILREMDDVKIVEDVRPHLRSTYSESYLELKGQL
DMMHYFSFRRTKGIDSQ LFG E

>comp10515_c0_seq1; 202 747 1244 LEN=1406; translated
MKLGDFGLARMYGT PKTRLSPQAITLWYKPE LLLGSY EYSSAADIWSVGCIFAELLLRR
PFLQGNSDISQLDTIFTVFGTPTD VNWPDHNTLPLCARGLIWDVPAIPFDEIFTAAPK
DAISLLRSLTLDPNMRFSARQALDHPYFTNNPPPTPKEKLVLEA

>comp10515_c0_seq2; 190 1 1087 LEN=1249; translated
RKIETHKLKNNNVEDHDSIHGGDNGHRGRQNI STDLRVNH YHQALAYLSYFTRIAAMENY
RVQGALGSGTGWVHKA EQNGTGRVVAIKKIKSERPEEGVNF TAIREIKLLREFKHPNII
ELVDVFSTPDMAVCLVYELAE TDL EKILN NKQISISLADIKQHLFSL LN AISACHDRWIL
HRDLKPDNMLFIKDG TMKLGDFGLARMYGT PKTRLSPQAITLWYKPE LLLGSY EYSSAA
DIWSVGCIFAELLLRRPFLQGNSDISQLDTIFTVFGTPTD VNWPDHNTLPLCARGLIWD
DVP AIPFDEIFTAAPKDAISLLRSLTLDPNMRFSARQALDHPYFTNNPPPTPKEKLVLE
A

>comp10516_c0_seq1; 779 119 2980 LEN=3052; translated
MSDLP AHCENAEETTRVRLALEAVFAPQTVTNSSNWWEQRKLADRYLTSFQGS PVAWM
VCDRLLQANAAPTSPQDATQQQQQRFFAAQTLHTKCRADVFQLPASSLP SLRDSLSFVHLG
TYSTMGDVALTNRLAMAFSALAVQMGWTTVVTDLLSTVNTDPQKRPIVMQVFKVLAE ECA

SDRLVLLDENERYYYMRDHLVALSTDVFRFIQNWDGAPNTAYEVLFTWIRYVVPVQPNVITE
SPLLEASFHALLNQDTMELAADLI IETYRMYPSFIRSNHDLVQRMIPLSSQLPFDQALKS
GDEDILRTYCRIIITEMAESYMSLILSTQFQEASQLVEWVLKCSSIPETEISSITLHFWR
MVIDLESVEPYEFRQDLIDRYTPYLLQLIDVCSGNLMKYPPDVSDLSEDEKDEISRNRFY
VSETVEDCCRLVGGHVLDRLGTQLRSGVQSDGTNINLNWQGIESCLMCILSINKFIPGD
EALILPFCFELIPRLPLDVSLRCTASKIIGKYASWLVGHPQMLQPLMPFLAQGLSIPSC
SAAAALS IKELCECSNQVAIGEPVLQLYTEITASPGLLALKDELELLEGACRAISRQVQ
DTKVDGSSFVQKIIQPIGNRLQAKAADPNKPKQDIIPELDRLTVIVQCLTIPSVQTSRA
SPIVEIIQSVWPILDLSVRFALNSAMAEEKICRLHKHALRSCGAVAYEPMLEPLMKQLIQ
SYERSRQSAYLYAASICVTEYGRDPKHALNLFNMINAMASVSFSFLNNLEDLTQHPDVVE
ELFYMMGRMITYCPEPLVLSPLLRSLFQCACVGMQLDHRDANKGTLNFIENSVSYGLSVK
EKNTRRESLQALESVLADEGQSIVNNLARSLTGDLPAYSVDTGSGSIAGVLWKLHFFSPTM
MSQWISVALANAPECPRVEFIGILNSGIPRKDFNAAVRGFMSACKRERRLAGR
>comp10518_c0_seq1; 674 1 1924 LEN=2105; translated
NSNIPSTPTLRRVPEVRVEEEKSTHIDYDPMDDTATEYLAKHGLADIIQKLTSEKPEDPY
KFLVDSVSALSLDANAAPDSGAGATDAPAAGVSASETGASEQASGENQQKRSKKKKKDKV
AKKKQGPNGGGVQAKKAEDVPLWYEQVITKSEMMEYYPVKGCYIYRPWAYKTWEIVQGW
FDGKIKELGVENCYFPMFIPKSYLEKEKDHLDDFAPEIAMVTKCGDRELEEPVAIRPTSE
TAMYASFKNWIQSHRDLPLRLNQWCSVVRMEVRQTNFFLRHREFLWQEGHTAFASEIEAT
TEVRQILELYARIYEELMAVPVVRGKTKAETFPGAEYETETVEVFIPTGRALQGATSHH
LGQRFKMFQIEFQDPKDPTGKSREYAYQNSWGLSTRSMAAPIMIHGDDRGLVLPRIAG
FQVVIVPVGIKKSSPDELKQEVTKCEEYREKLAAAGLRVKVDQRDNSPGWKFNWEMKG
VPVRLEVGPKDIEKGSFIMAKRNAADPKTKGVFGSDAQVVEDVQNVLDEIHNELFAKAVA
ERDESIASATEWKDFNVYLNKGMILIPFCGDPACEDMIKAKSKDEASEAEVMGGLKMG
KSLCVPMEKDFQACPETCINPNCPSGVKVEKWTFLFRSY
>comp10520_c0_seq1; 212 95 1213 LEN=1611; translated
MDVGGFFSAISSAGVKIHIRTTPTPEQQSSNAIAPIDHYPNWKLHKNPFWRVKHPSN
RFRSQATVVPMMSSGQHAMQETALFAYDRSQDIGGVVTLLELAPGKKEHMGIKVQFIGRI
DMSGVNEGRPHYDFVLSKELAPPGILYQSVVHLPFLFRNIDKEHESYRGRNVSVRYFV
KVVLERKFLPPLHKEHDVWIQVLGQAPAQNQA IKMEVGIEDCLHIEFEYERRVYHLQDTI
LGKIHFLLRVRIKIKHMELAVIRRETSGDRVSGGNTPSVPQGGSNNDASAGGNVFTETQTL
VKYEIMDGAPVKGEVIVKLSMRGIPADLTPTYSSVNNRFSVRYFLNLVLDDEEDRRYFK
QQEII LRKELG
>comp10521_c0_seq1; 150 95 511 LEN=773; translated
MAEEQQNVQYFDKYLDPKFPVIVKADPTVDDVVKGMRTSDYLFVSGVMAGTYAYGFLGK
PVRGPTAVMCASAGFTFAMFHTMQSVRSRFLGYRENDREVRKYGLAPLQPRRMEIYDKRN
PVRQAMLT KPAINWDTYS
>comp10522_c0_seq1; 410 315 1535 LEN=1720; translated
MTKATRVFHQLLFWFLLLDGKYLHRFVLVNGHARLECPPPLSGKTGEKAGPCDSSLDD
GSVPAYPLKANALNTITWLESISHPGAPVRFALSKENDIGGFETCLLLDHVPHDALSRPN
YRDASTWHRSSITLWIPDIYCERCHLQLISVMSDIQHGV PADTKCIYKGAEEAGIT IARQ
NSDDKEEIESDEEDMICPAVYHSCAPVSINGSIPRNNIDRCNTTQFEEQLDWPLTPSANA
DLYQHSVYFNRGDVGLYTETDATLIEIGYPLTDVVCTNALYCDPDVDFDPLFKVPENAFY
TSLEGSCAAVTKMQVEAYQSGGILPSVPKEGEDVSMVIVKNDDVLNDGGNDGVDNSFNTD
ANVSNSAPNDGNNAHNDASASAFLLLPSTSTVALALLILVGSAFI
>comp10523_c0_seq1; 512 167 1648 LEN=1840; translated
MKRRNEERKSRVSWSAEEDDALLKAVAKDQKDREADGGDTEDADDEEDWDEIAKHVPNK
PVQCLKRYMVINKTNNDKSSPQNTTTSTDTAKGSKPEEDKKVDSREKEKTGEPDPGNK
EEDDVEKEAKRPRKEGEANTRWPQDDL DLLKLVENYKDSAPRWNEIAANFSNRYTAIDC
LTKWQTTITNPPVIKGGKSWTAEEDA ILREKRQYGRKWAKIAAHLPGRQKQCRERFVNH
LDPELKKGEWTDDEEAILIAMHEHGNRWANI SKQLPGRSDNDVKNHWYSTIQRKFQQHG
KDKLISAALQQVQMMQSMGTMPSSQQPAAQQQWPAGPYNQATSGHPPPPYVHHPSQSTTQ
PYQHSSPSAGVYPYHPPHQAQRPPNAPPEGAPYMPHQHQP PHQRGGHMPPPHAYYHPH
YPPPTLPPRHGGAPHSTSPAAQRPQRLSGIAGSDSAGASNKGNQGTGEGSPKDSGEAPSHF
PIQQEGGNQGEKK
>comp10524_c0_seq1; 876 1 2412 LEN=3021; minus strand; translated
ADGNKNSIPETNEQVSSLIPQGSIGQASNQGIESGIDMQVRDQLKPCVFKRNKISLS
DRRKMFEAEGISVENNRKKSIESATCAESPRSLTSSLGDLTVKTVVQKRRIVQSKTKPAQ
TLLHEARRSSITHDDNDSDNGLDDIDDGIGSNRRKTLVTAKKVLGTYHSSLGKRTSNHSH
EPDVLVRCKTSRDSDEFKVDSDKVVIQNARKSLESIQKEKKNVTETQOMTVNKVTPTKVG

YSARKNFFENLNQSRVQLSMSRPLVGKDQSSVRDTATLATKHTDERVHDHSPLGDKDLPM
FVTVEEDFLLKDNISTCLSASENRSVVCVCPDPLLYSVSQKAMALMASKTSKETITNDSNQ
KKATTQNFILKRQESLRKMSKEGCRREPNASKEVAGSNNERTVTDDKAPQHQLYNRVARK
KVSSQFHRHSIAQKETDDNKSTEDTSGNEPKPKNESLEKIQRYNNFAKTKDSNGENEEES
NISNQPSFHRFKYSRFFKIGTKPTSPIEPKREQPSTLRKEGSHNAGAEDKGPLIKPSNE
NKDDNEVGKAAPHRFKFNRFTKIDVAPTSQTEPKREDVGNTEDEDDKDVSIKASTGNER
KVAKSKVAPSHRFKYSRFTKNDTALASGVQSIREHPSRSEIVLDEKERADSEALPLSEKK
ERNQMNKTNDSHRFKYNRFTKNDAPLDQTVPEKKEESELEDDDTAQFNAKQKQNKTDASLQ
SLGLKCNRFNKKPLNVDSKEIQDGLDRTDDENNEALTETQEAQTSNSAEQPEASSQPMAR
SMSIRERRKFFESQSKNYQSSRF

>comp10524_c0_seq2; 826 1 2205 LEN=2650; minus strand; translated

ADGNKKN SIPETNEQVESSLIPQGGSIGQASNQGIESGIDMQVRDQLKPCVFKRNKISLS
DRRKMFEAEGISVENNRKKSIESATCAESPRSLTSSLGDLTVKTVVQKRRIVQSKTKPAQ
TLLHEARRSITHDDDNSDNGLDIDDGIGSNRRKTLVTAKKVLGTYHSSLGKRTSNHSH
EPDVLVRCKTSRDSDEFKVDSDKVVIQNAKSLESIQKEKKNVTETQQMTVNKVTPTKVG
YSARKNFFENLNQSRVQLSMSRPLVGKDQSSVRDTATLATKHTDERVHDHSPLGDKDLPM
FVTVEEDFLLKDNISTCLSASENRSVVCVCPDPLLYSVSQKAMALMASKTSKETITNDSNQ
KKATTQNFILKRQESLRKMSKEGCRREPNASKEVAGSNNERTVTDDKAPQHQLYNRVARK
KVSSQFHRHSIAQKETDDNKSTEDTSGNEPKPKNESLEKIQRYNNFAKTKDSNGENEEES
NISNQPSFHRFKYSRFFKIGTKPTSPIEPKREQPSTLRKEGSHNAGAEDKGPLIKPSNE
NKDDNEVGKAAPHRFKFNRFTKIDVAPTSQTEPKREDVGNTEDEDDKDVSIKASTGNER
KVAKSKVAPSHRFKYSRFTKNDTALASGVQSIREHPSRSEIVLDEKERADSEALPLSEKK
ERNQMNKTNDSHRFKYNRFTKNDAPLDQTVPEKKEESELEDDDTAQFNAKQKQNKTDASLQ
SLGLKCNRFNKKPM

>comp10526_c0_seq1; 500 813 2258 LEN=2749; translated

MGQTTSKDDPLESACKSAPDLRSASTAELSQPEARKEDLHSLPAVLGKMLPKVLLLSHPS
GSKNHNDGFSRATESTGQLTPPSPLGSSSSSSNLSAAKNHKS HVGHHP IHHYHNC LSD
TNP NPHAASKATTNANACPHRNLQAEATLLRQRDPDHHHQ RSTMAARVHRPDKRSNPVKF
RRWQTIGGDHVRPLGYHAHRSCEAAARAFPEASAAAGTDP SAGSKQTPPPDLSYLERMYD
SRTWEMYRRIITTHREKVEAFHAKNARARREDLKKGNDDRHSANRTTVSEPALRRVARAQ
SFASGSPCREPPKGS SPASSVSGSFATTASSAIGEQQHHHHQQHQQQCIAQQAHFPACG
GSSDCHPHSYDHHVDLGNEDDDAHGFGFLHRSTEWRGDDEHNLYDREDHSAPPYHYQHTH
YCDSGRRYLQHECPQPSGHYVNVANNENYSEWEHMNGEVEDEEGHVNGESSSDPTIFLFD
F

>comp10527_c0_seq1; 290 1 1695 LEN=1875; translated

XSKEKSCITCHCQLSHCRHDLKQQQVYQIATSTRQAKRIDRKTKNIIHAQSIRGREMLRHS
ALSTAVPSLNGTDGHRDPLRRSDYDNAKSKSSPFTFEIYLVGLCVVSVLVAGGLYNHLIT
AEVSFSNLLSDIVDGSSSTTTGTLTISSSIDRSLEHAALANVINR TKHYQQHCDSIGLST
DRGTENLATNNHTVHLPQFGFLDAFRKYQEMDPNDIDKAYPYQCALPPETECEETQFTVI
FMAYNPDR LQKMLDQIKEMLTGEDFSHIVA EVIVVWNGERHVDETELGAELVELQKTI PV
RISYPLKAGFPNDLMNRYHPRLEVKTKAIMYYDDDGP FYKYKAVLGGFELWKRNSNAQIG
AMARKLDWDHAXAEESKKSISGVPNDRFFVVSQCPTDELRYNYFTFANFDARMLVPSGSFLH
SNYLCFLWHP IFEDVRKYILQHPVHPDDGTVSMLVSQLGGRAPKVYPRINKEKKEKRRR
LMDGINWDKPGGHAQKMNWALRSVDADSLARYFGSVNSGSLGWCHGTQYHNITKKKENV
CRPEMAKEGMLP WMKEDHTSRDTC P

>comp10528_c0_seq1; 154 230 1117 LEN=1943; translated

MLSPDRISIVLFLVVAVALSWTPLCDAKTKQKAQKPLHEKYKNLCKGLPTIKKKHEAHLK
KLIATVGEAKIIGQTPQHEAACWMFRQKSYNPQRYALAVTYYSKGAQWEANTNWMTPK
HECTWQGVTCNLFGTVVELDLGYIELEGLIPRELGMLGSLRDLDLHGNDLQGVLP HRLLD
GMKKGEFLRLQMNGLFGSIHKEIMRMKNL KELYLFGNFFAGTIPKQSELKKLEVL DLYA
NQLTG T I P K E L A N L P N L S E Y H T V A S N R S R K L K G S G P I D Q N G R E E H L N G V F R L D L

>comp10528_c0_seq2; 103 230 1204 LEN=1711; translated

MLSPDRISIVLFLVVAVALSWTPLCDAKTKQKAQKPLHEKYKNLCKGLPTIKKKHEAHLK
KLIATVGEAKIIGQTPQHEAACWMFRQKSYNPQRYALAVTYYSKGAQWEANTNWMTPK
HECTWQGVTCNLFGTVVELDLGYIELEGLIPRELGMLGSLRDLDLHGNDLQGVLP HRLLD
GMKKGEFLRLQMNGLFGSIHKEIMRMKNL KELYLFGNFFAGTIPKQSELKKLEVL DLYA
NQLTG T I P K E L A N L P N L K Y L D L H D N N L T G T M P K E I C D K K L D T L V A D C H G S Y P E V R C K C C T
V C C E G L P V L S C F D P K T G E Q V T R P I

>comp10529_c0_seq1; 338 140 1477 LEN=1530; translated

MEMGSAKVEAPT KRTSGVQSLSALCINTVVKDLERYPAAAFGIVDEFQWDCIIKLR YKKT

KPLKGRGGIDGSGRLHPAVTDKFMIEVEEQNHLSKSKIADKLAWKDIVEYKFKKGGLSR
PKGLLYPWPVLLQRIEDSGNGLSDCIKLVAAEAGESKVAENQKAIASSTLRAIKTLSESPMD
MNLKNTGIGKVKKFLSKSTRLDFLEPYVYSSGKDIRKTPRTTLEQTLQSWKDLAADS
GVKMKPGEARSRGNSTASTTASILTAAKCDSSWRSLYHTLR IHDEDRRSRQGEKMRERRR
RLNTVRPKIVKVHASSRQERILNKSFRDSSPSRNSHPSGSSDKMRQLRKEAQVTSTRRG
GAVSAASVAAHKRATGFGA AVAFASAGKKPTRVRKTAPVTKTVTLAGGKRLAVPDARTV
GSVNVQKRLKMLKRGQTSFRSGLNR

>comp10530_c0_seq1; 591 126 971 LEN=1355; translated
MNKLLTVALLAQGANAFAPAGKPLAAVQQQLDVALSMNAPFFASEEPSADAPAAEADG
ETDFDTMSLEEEVETLANEEITKMKRASNLNRNANGVEYAPWMNITPEAEAEIKTVMKQKA
EARRKRKQDEAGVSGALLMDSQAQELSGGGLNCKVVSNNVELTWATSSEASTKGFAIKR
RKARTEDFVTIASYESWGPLASKGVDGGQYSYLDLDTISPGGWVYRITECETS GAENDICQ
ALVEVQTEDEQRGAVIAAVGIVVLAIGAFAGAAGIMLDPVGGF

>comp10531_c0_seq1; 273 1 1232 LEN=1639; translated
XFISSTIIDLKEKRLPSHLSKSSSTAKRDFS NMVVTSMNFQTRSNIIFCVLRKSRPLNFRH
SFPVYSTIRPNLSLSSVTNLKFLHGENDNTDDISASGVNEIKHAQIKHEKRRTERVERMV
DSYQSTASCNAIAPNESIEFTFPWKIHIALDESERQGFEDIISWEGKRAFAIHKPKKFFED
FLMKEYFIQTNYKSFQRKQLHLHGFERLPVSDAIGGSYTHKLLIRGKPDLCRFIVARRIKM
EMRRRASSLDVANTLLRSLSMRRSSGGMGLRRSRGNFVLPGLSLMTGFSFDSFRFPDGDG
IPNFRWETDDFQHKPSIPLLGAPSGFQNAVRASPSPLCGGTETLHGREGDETVKTLAS
FPFAERDLEMPGRDRAGEDSSAVDSHSHLVRTLDAASLSVLRRLATRQQSCM

>comp10531_c0_seq2; 275 1 1353 LEN=1760; translated
XFISSTIIDLKEKRLPSHLSKSSSTAKRDFS NMVVTSMNFQTRSNIIFCVLRKSRPLNFRH
SFPVYSTIRPNLSLSSVTNLKFLHGENDNTDDISASGVNEIKHAQIKHEKRRTERVERMV
DSYQSTASCNAIAPNESIEFTFPWKIHIALDESERQGFEDIISWEGKRAFAIHKPKKFFED
FLMKEYFIQTNYKSFQRKQRYGTSESDFCYFVELFSTHTLASLWSSLNFYHSTMEIYGSA
SSWLRAAAGQRRDGGSYTHKLLIRGKPDLCRFIVARRIKMEMRRRASSLDVANTLLRSL
MRRSSGGMGLRRSRGNFVLPGLSLMTGFSFDSFRFPDGDGIPNFRWETDDFQHKPSIPL
GAPSGFQNAVRASPSPLCGGTETLHGREGDETVKTLASFPAERDLEMPGRDRAGEDS
SAVDSHSHLVRTLDAASLSVLRRLATRQQSCM

>comp10532_c0_seq1; 609 1 3331 LEN=3331; translated
XEYLLLFDFNSLRTSSYHQPLCGVLLHGFQPKGGKIMSADYSKSNVVMKSKLLSCKML
GAADDLAVNEKLEEWVATQKIPTHISPAQTAACHVSSGLLLQRLVRAFEQRLNFSVDDTK
RMKGSTGNSNGNKTATSSGRGTSTTNGSSPKKINTSKAKSKSKPLAEYMQRKVKVTRLVQ
QALQYVGSDDLKVLQGLAPSPTVADVANTCLOILRDVNR IKEYFTIFCVASGKDHSATDQ
SSSIFFGVFALQALQCLRAQAICAYEFAHDFEAIYSACYQDRNFQICVHLLNPAVANSPT
PATFPPDTEARNICWKIARLLVLTEDFKKNKSDPESKDHRNHILVSATSIILAANMGKSI
ANNSIRVVGSOVTNEGIIPITEDFVGTVPVPPVSHLLEFIANNTTNDGMTPITSIDIRCH
FQNACTMINKLSIMKNATTTVVASRGRSHSILAKAFPPANEYFLLQNYRNILQSLVIQIQ
KSIKINTANSNQGVTVSERTGIVNVLLLPFPMVIGEPWGIHRDAPMITSRMLCTGKHLKP
SDTEKDSVALVVKLKPMPKEIKRKAENTFPDSVPTDNKKAKTFPQSEDPSTPPKKAHVEA
IDLVEDDSTPPAPRAPIDMRMGEIEAPVINDATELNEWTLISISQSMVKPSDMLLSYLGE
NDKINGNNSCLENVIVPIINRGALRIQSALRSLSDLGSEATLISIGRRDQVYVNGRID
EITQLCASVVGFFYYHCMEAIYDKMERMDFLGFSVSVLQSESFHRALLACCLTCVLKGVG
TTQKMSSIEKFENATSTVVMNTTECDSTFTFLKVIDGLSRAL IATGDSRTKQSVCSIVAGL
PAIILRHMRALQTLIDSAIWNSSLGTEKRNESSFVDI IKTMKSLKGAWPPDVLEPLLE
ENVNME SNSTKAKSSIRCKAPFGSSSEATFLSFVLRILLNYVLKRITAI CAALDLSTEDV
VRTQILVAFRYLLRHHISIFNDRHVDQLLLCSVYGVCVVMKIRPEVTFGKIDAYFTVRG
KEQGERICRVIVRHVKLDQPA SKRVGNLIVFYNQVYVPMQKYFIESKSLKENTELYRNK
RRKAEEEELELQRREQERNKAERQRKEQQRK

>comp10533_c0_seq1; 252 171 1197 LEN=1357; minus strand; translated
MNTKENAVIRFSILAPIQSTGIAQQSGRPGSTNTRAMLRIQPTMPIESTRGCRCRFLCSP
SLGTLGPRKAPSERGDPFDAGAVRLRMPQNHEGLHCTALRRGVPCAANHALFAPSPPPPLV
RRTLPRRRPSGPILLVSSLLFRCLGPAHRLDGQPRRRGLLWLLLLLLLPQLLAVVSPRFP
LELDL RPPVLD RVDLPVLEAERVGVTGEVEDEPKAKVEADEVEENPRPVDHGPAGGPAD
GPD RVATAGGSSPAPGSSSSVAKGAASRAGGSCRKSALEDALEDP AVTRVPPVDAAPGP
WDPGAQKAPARAAGESGPGASSVADASARVLARFWSLMVVW

>comp10534_c0_seq2; 193 1288 1856 LEN=2240; minus strand; translated
MKMNL DGIILLKFKMLFKIGIFASLLACGILLPVYTSSVCDPLVVGEREQCRLASLTDF
ENLTISYVPEVRISTEGLSPSNATNNNNWDEEEEREENDEEDGTDSAKASGSRGLGFLRSK

SSGTAAPTQAF LRNNNNKPQLIDEDGNIIIPPEXHRDAAHRELQVGAGNLVEAPDDRGLV
GPD LR IHVL
>comp10534_c0_seq3; 193 1113 1681 LEN=2065; minus strand; translated
MKMNL DGI ILLKFHKMLFKIGIFASLLACGILLPVYTTSSVCDPLVVGEREQCRLASLTDF
ENLTISYVPEVRISTEGLSPSNATNNNWWDEEEEREENDEDTDSAKASGSRLGLFRSK
SSGTAAPTQAF LRNNNNKPQLIDEDGNIIIPPEXHRDAAHRELQVGAGNLVEAPDDRGLV
GPD LR IHVL
>comp10535_c0_seq2; 112 1 487 LEN=1799; translated
XLFRSSVFVHYYP THGYKETFDNDAKVIAIPPHWTEKPDTEYEIPLKMHGTTMEEPTCEN
YWCNTNLSRKWSGPGEGHYVLNPDGSKTVLDITNIGGPKKTIRNDSHTKQKKKCEDEHH
MCAEWAIWDSDECINNAN YMKRVCPKSCGVCTPDAKI QGDEL
>comp10535_c0_seq3; 238 180 1415 LEN=2727; translated
MTHHTRISCSLLLLGMALLSTLLVTPVGRTEEEERVELYHARNHTWPPEKFPVDPDTPGWRK
LFEHRLRQVGEIKDRSDRFEGFAQTISAGFLQKNFTEHGFGLARAPDGLMEDLRQAIRKG
VEEGPRLEAEINAITEPRPWFIDRKDLTQRVLEELQHYPEAWTGFELTPVIA YGFRLYRN
TSRLHVHVDKTRTHVISFILHIDSSDDAEPWPILIEDLQGTTHEVTLKSGDLLFYESSKC
FHGRPRPFKGSWYSSVFVHYYP THGYKETFDNDAKVIAIPPHWTEKPDTEYEIPLKMHGT
TMEEPTCENYWCNTNLSRKWSGPGEGHYVLNPDGSKTVLDITNIGGPKKTIRNDSHTKQ
KKKCEDEHHMCAEWAIWDSDECINNAN YMKRVCPKSCGVCTPDAKI QGDEL
>comp10535_c0_seq4; 52 1 172 LEN=335; translated
XLFRSSVFVHYYP THGYKETFDNDAKVIAIPPHWTEKPDTEYEIPLKMHGTTMEEPT
>comp10535_c0_seq5; 174 518 850 LEN=2162; translated
MEEPTCENYWCNTNLSRKWSGPGEGHYVLNPDGSKTVLDITNIGGPKKTIRNDSHTKQK
KKCEDEHHMCAEWAIWDSDECINNAN YMKRVCPKSCGVCTPDAKI QGDEL
>comp10535_c0_seq6; 178 180 1100 LEN=1263; translated
MTHHTRISCSLLLLGMALLSTLLVTPVGRTEEEERVELYHARNHTWPPEKFPVDPDTPGWRK
LFEHRLRQVGEIKDRSDRFEGFAQTISAGFLQKNFTEHGFGLARAPDGLMEDLRQAIRKG
VEEGPRLEAEINAITEPRPWFIDRKDLTQRVLEELQHYPEAWTGFELTPVIA YGFRLYRN
TSRLHVHVDKTRTHVISFILHIDSSDDAEPWPILIEDLQGTTHEVTLKSGDLLFYESSKC
FHGRPRPFKGSWYSSVFVHYYP THGYKETFDNDAKVIAIPPHWTEKPDTEYEIPLKMHGT
TMEEPT
>comp10537_c0_seq1; 509 1 1504 LEN=1616; translated
XFGSRSGDSVPFSDQFDLLPSGQPAPEPNHPRSPVRTAAASKQAELERIERQQARKKLL
MEQGRFLLKDD EYWDTLSTIASTAKDEKSSDSDEYMDDEVAPPSGPI PGEIT TSSSDVQD
PIPIDAEASYASLSQSQAHW DSEKQIQANLDEMNDVTDLIDAELLDR LPSNYNHKASGP
SRPRPEAMVGRPRNADQSYGGDFASAASHIAKKISWGFE EIFEDKNDHSESGYYTSASEG
TSTFSSSFVREDQPNPELVRRQHFQRPPTRHTKTRTTPMETVEEEDLLTRTLEISKGLLE
TIMGSQVMKDKELRERQYDDDDDDGHDTESRDESNDRAGGETIGSPA IQNRLELLRLQRA
EALAKFRQSQGRPSPTLGGATKRDRDR LKH YTVSHGLGKTMTSGPRSGVGGRRVSRSMF
DPALSEQSSQSGSVSDIDLNYTTSESSAGASDTPSQRARDLRMQIEDAMKASREIQVSN
ALGNELSSFKQRYYNPVLTEI
>comp10537_c0_seq2; 932 325 4047 LEN=4138; translated
MPVISSTQMSTVMETDRSDTREAVQKAYNQFNSTSHSRKSTANDDGFQMKVPKSTPSKPS
LLDMGVS VIASVCEW TALFVYRCLCIAGHAALAVSFLAFVAVCC LGNFHDNYFVTILERA
RRLDSDLQDEVTY YNRKCGVSDVSTSKHHH IHLGVDPDKHDTLDIFVDP SLFEYDDDDDD
DSTVNSYSR F YQLADHG GKHYDEWAPKYSIPMHGLYVRSTNKKAVSILVSFDDDFKQEREL
IFDTTGDAKSFCKLVEKQKRLEAQRQDRRLKVALGGEMVLPQYETITLLVEIVAGYDLPV
GDYTS SDPYV VAM LGHQEVHRTEVRFR TLNPIWTLKTGSLFLLHIESKRLFIEEGMNFVV
KDYDNLGKH DVLGVCQVDPK VLYKANGERMEFGLGLPPHKQQLASV GSEPEKRGILVIRC
RRATEYDQSFMAEYRRNEEKKMDSGVA AEHNAPDATTNVFKTITTKVKKRDREDGIKVG
SGMEDGVWYTYMSECKIFWIA CLEGGFCFVCKCWFVWFYRIECSAVRCGACHRNPLNFR
MGDALMLAVDLLLYDXFGLFAEPLQYKIRPGSDPSRPPSDTEWMSDADLQKEVLKTSRQW
VDMGEGTLGQVFVEILGCDDL PNM DTGGFYGNKTD AFVSCVYEDVHGRTDVVDDCLSPRW
LPWSNRAFIFNMSHPSSNINIGVFDYDSGPLADHDLIGRVSVDLTNFRSSTEYVLSYNIC
QSARLAKRKS KGMIRLRMEINDERELAMATLRPPVPTYVNTKKAIDFQVIRQTCFGSI
DENKYSVTTLKSHIDELFELQH VAFYIEDALMTVLLWRGHFELTVPLWGKTIELPVHSAI
AFVLAIVLVENPTLFP SYCFGLAWLLI AVGGWRMSENWVVRCHSYFQILNMLLLGDDH
VEPHRIQP FENFDKAREEEEEWKRVEDSEKRAEELAEAATEAEKERQRELAEIGEADTE
LGTKV GEGGLAIDPMRAALFP IQITLGI VVKGVRLKHVFTWQEAYFSFWIT TGS LVM SI
LCLFIPWAWCIKWSRIFAWTIFGPWMKLLDLYYFSLIKPETDEERRRREQA EKLKQKLA

TTEAVMETRILRENLAKTAMKKYMFGEYSVRVPIIKQDRFVDIPLAESFAYPYVENNLS
LAELAMREAGKGRVRI PGQTLVGD MIPC VKGDGFTVAPV GKAALHTEKLAKDAPGARGKM
TNMNRITTTVVLAILATYYGTPMIGVLLSEGEKWIVSEL
>comp10537_c0_seq3; 971 325 3786 LEN=3877; translated
MPVISSTQMSTVMETDRSDTREA VQKAYNQFNSTSHSRKSTANDDGFQMKVPKSTPSKPS
LLDMGVSVIASVCEWTALFVYRCLCIAGHAALAVSFLAFVAVCCLGNFHDNYFVTILERA
RRLDSDLQDEVTYYNRKCQVSDVSTSKHHHIHLGVDPDKHDTLDIFVDP SLFEYDDDDDD
DSTVNSYSRFYQLADHGKHYDEWAPKYSIPMHGLYVRSTNKKAVSILVSFDDFKQEREL
IFD TTGDAKS FCKLVEKQKRLEAQRQDRRLKVALGGEMVLPQYETITLLVEIVAGYDLPV
GDYTS SDPYV VAM LGHQEVHRTEVRFR TLNPIWTLKTGSLFLLHIESKRLFIEEGMNFVV
KDYDNLGKHVDLGVQCQVDPKVLKANGERMEFGLGLPPHKQQLASVGSEPEKRGILVIRC
RRATEYDQSFMAEYRRNEEKKMDSGVAAEHNAPDATTNVFKTITTKVKKRDREDGIKIKYK
IRPGSDPSRPPSDTEWMSDADLQKEVLKTSRQWVDMGEGTLGQVFVEILGCDDLPNMDTG
GFYGNKTD A FVSCVYEDVHGRTDVVDDCLSPRWLPWSNRAFI FNMSHPSSNINIGVFDYD
SGPLADHDLIGRVSVDLTNFRSSTEYVLSYNICQSARLAKRKS KGKVMIRLRMEINDERE
LAMATLRPPVPTYVNTKKAIDFQVIRQTCFGSIDENKYSVTTLKSHIDELFELQHVAFYI
EDALMTVLLWRGHFELTVPLWGKTIELPVHSAIAFVLAIVLVENPTLFP SYCFGTLAWLL
IAVGGWRMSSENVVVRCHSYFQILNMLLLGDDHVEPHRIQPFENFDKAREEEEEVVKRVE
DSEKRAEELAEAAATEAEKERQRELA EIGEADTELGTKVGEGLAIDPMRAALFP IQITLG
IVVKGVRVLKHVFTWQEAYFSFWIT TGS LVM SILCLFIPWAWCIKWSRIFAWTIFGPWM
KLLDLYYFSLIKPETDEERRRREQAEK LKQKLATTEAVMETRILRENLAKTAMKKYMFGE
EYSVRVPIIKQDRFVDIPLAESFAYPYVENNLSLAELAMREAGKGRVRI PGQTLVGD MIPC
CVKGDGFTVAPV GKAALHTEKLAKDAPGARGKMTNMNRITTTVVLAILATYYGTPMIGVL
LSEGEKWIVSEL
>comp10538_c0_seq1; 163 265 564 LEN=1451; translated
MIIDAKTIIIVTLIIVAASVYALKLIRRFAL EIAQQNHDAVKAMDEEEEEQORLKKERAAN
AAADA AFAQVEPMLKISVVDKPKAAPVPAQESSSGD GAI
>comp10538_c0_seq2; 163 265 564 LEN=1418; translated
MIIDAKTIIIVTLIIVAASVYALKLIRRFAL EIAQQNHDAVKAMDEEEEEQORLKKERAAN
AAADA AFAQVEPMLKISVVDKPKAAPVPAQESSSGD GAI
>comp10540_c0_seq1; 332 238 1398 LEN=2129; translated
MNFYCYTAFNPTLRSTVLDSSRGIRSRDFKGVSHPODKYKSSHRMTKGRIEELKGPNGP
KFSVMVTGAAGFIGMHTAIELKRLGMTPIGYDNVNPYYSVPLKEVRINELKKRDIAFVRG
DVCDVAKLKSTIKEHNITRFIHLAAQAGVRYSLDHPLEYTRNNVDCTVNILEVMVELGIK
EEPLVYASSSSVYGNVEIPFRETD RVEDPASLYAATKR SDELIAHTYYNLHNVSSIGLR
FFT VYGPFRPDMAPWIF TDRISSNQTIRVFNHGKSQRDFTYVGDIVQGI IHALFVNTGQ
PELVNLGNGSPVVLADFVRIVEEHVGRKAQIDSVGMQKGDVPKTYADITKARYLLGYNPT
TTVEDGIASFVEWFRDYDASKYKMIS
>comp10540_c0_seq2; 169 124 528 LEN=1259; translated
MAPWIF TDRISSNQTIRVFNHGKSQRDFTYVGDIVQGI IHALFVNTGQPELVNLGNGSPV
VLADFVRIVEEHVGRKAQIDSVGMQKGDVPKTYADITKARYLLGYNPTTTVEDGIASFVE
WFRDYDASKYKMIS
>comp10541_c0_seq1; 577 73 1983 LEN=2246; minus strand; translated
MDGTIGMILYSMLLIAISPLFP SKESDSMAFLFLFGFGGGYFFSGTYASALTLWFTKLS
TYSLSFNSQAAAIRNIGVRAMLAVVFQLQMFII EFAMGDEVSTSLDASLVCFLPLVMFLL
IALAVTSKFI PYPKDEVFVGWPGMVFFKPYARFIMS VVDSLGLLDMGDMAFAKFQKARCAF
FSPHLKKS RVD RGPSVETGVT LNPMNF KKFLED FNELKTSEQWWFSEANLDCLLPDPYVA
LET RLKILSDARESIRFITWTFATSN SGNQIADVLIQKSSE GIDVKLIVDAVTLYYLDQE
SKLDIEGLPKKLEVLQRLLRGGVVRVKMLNKWHKNEWSEYVIGTHRKFMLVDGKWL LTGGR
NVEDEYFSTEGHHFMSSELVNLGNFYETTA AFFDKSLWDSAMDVAPLFPNLLLAL EEKMD
NDGSRKPRSSIFRSASIKIQENCNVS L FQLDHKSGDPRGRDIIF SLLFMIETAKERIDL
IFGYLQLFDELDAALTRAASRGIKIRVVTNSAESNDVPYMNGLFGPALERLLELGA EIYV
CDKGENNLT LHQVAIADGRAALIGSWNCLGTSV FYDS DYSVMLFDENVTA FESI WQEVE
EMIKSGRLNRVAKVSGYDVHFFYR LFGPQSIMKRGF
>comp10542_c0_seq1; 176 385 564 LEN=1022; translated
MRIIQPDNLPLDDDDAKLSKYEELKNDSVYVVFQIAENEWEGVHVEDTDAPMGGEAS
>comp10542_c0_seq2; 235 113 430 LEN=888; translated
MNDGSIYLRVKRLNQTYFIVCNEDDTVGYLKDQISLATKKETKAECMRIIQPDNLPLDD
DDAKLSKYEELKNDSVYVVFQIAENEWEGVHVEDTDAPMGGEAS
>comp10544_c0_seq1; 365 1 1323 LEN=1770; translated

XLADDDFNAIVDDELRXTSNLI TKTEMMKALSQLLIACICLSSCSAEKDG DGT CNA AAGG
TCPSETEAHSETKSHCFPDGSCFDS ILEAGKKYHDPSSISFVPM DVPKPFGESQELNPTD
PENYTKTLEVL SKTHDYMVDLYQDDTAEVYRSHCKVNNKLCAFWAAIGEC DANPAYMI VN
CAPVCQTCHKLMFEHRCPYDDNAPSVWGPGLNKMFERLTTEEY YIQKFQPTILSQPPEG
PWIITLE NVATEEQCKRI IELGSYRGERSTDVGEVKYDGTIEGLKHDTRTSHNTWCLDE
CYDDEINQAVISN VENITGIPDGNSEYWQLLQYKETQHYADHHDYIPFHLQRFFGARM LT
VFLYLNDVEEGGETHFGGLDISVKPKTGRAVVWPSVKDSDPRAKEPRTNHEALPVIKGIK
YAANAWIHQRDFKDVFNKGCS

>comp10544_c0_seq2; 298 1 1349 LEN=1971; translated
XLADDDFNAIVDDELRXTSNLI TKTEMMKALSQLLIACICLSSCSAEKDG DGT CNA AAGG
TCPSETEAHSETKSHCFPDGSCFDS ILEAGKKYHDPSSISFVPM DVPKPFGESQELNPTD
PENYTKTLEVL SKTHDYMVDLYQDDTAEVYRSHCKVNNKLCAFWAAIGEC DANPAYMI VN
CAPVCQTCHKLMFEHRCPYDDNAPSVWGPGLNKMFERLTTEEY YIQKFQPTILSQPPEG
PWIITLE NVATEEQCKRI IELGSYRGERSTDVGEVKYDGTIEGLKHDTRTSHNTWCLDE
CYDDEINQAVISN VENITGIPDGNSEYWQLLQYKETQHYADHHDYIPFHLQRFFGARM LT
GMFCQFYFVNISLLTXNDELHHC HAVFLYLNDVEEGGETHFGGLDISVKPKTGRAVVW P
SVKSDPRAKEPRTNHEALPVIKGIKYAGK

>comp10544_c0_seq3; 315 1 1400 LEN=1847; translated
XLADDDFNAIVDDELRXTSNLI TKTEMMKALSQLLIACICLSSCSAEKDG DGT CNA AAGG
TCPSETEAHSETKSHCFPDGSCFDS ILEAGKKYHDPSSISFVPM DVPKPFGESQELNPTD
PENYTKTLEVL SKTHDYMVDLYQDDTAEVYRSHCKVNNKLCAFWAAIGEC DANPAYMI VN
CAPVCQTCHKLMFEHRCPYDDNAPSVWGPGLNKMFERLTTEEY YIQKFQPTILSQPPEG
PWIITLE NVATEEQCKRI IELGSYRGERSTDVGEVKYDGTIEGLKHDTRTSHNTWCLDE
CYDDEINQAVISN VENITGIPDGNSEYWQLLQYKETQHYADHHDYIPFHLQRFFGARM LT
GMFCQFYFVNISLLTXNDELHHC HAVFLYLNDVEEGGETHFGGLDISVKPKTGRAVVW P
SVKSDPRAKEPRTNHEALPVIKGIKYAANAWIHQRDFKDVFNKGCS

>comp10544_c0_seq4; 348 1 1272 LEN=1894; translated
XLADDDFNAIVDDELRXTSNLI TKTEMMKALSQLLIACICLSSCSAEKDG DGT CNA AAGG
TCPSETEAHSETKSHCFPDGSCFDS ILEAGKKYHDPSSISFVPM DVPKPFGESQELNPTD
PENYTKTLEVL SKTHDYMVDLYQDDTAEVYRSHCKVNNKLCAFWAAIGEC DANPAYMI VN
CAPVCQTCHKLMFEHRCPYDDNAPSVWGPGLNKMFERLTTEEY YIQKFQPTILSQPPEG
PWIITLE NVATEEQCKRI IELGSYRGERSTDVGEVKYDGTIEGLKHDTRTSHNTWCLDE
CYDDEINQAVISN VENITGIPDGNSEYWQLLQYKETQHYADHHDYIPFHLQRFFGARM LT
VFLYLNDVEEGGETHFGGLDISVKPKTGRAVVWPSVKDSDPRAKEPRTNHEALPVIKGIK
YAGK

>comp10545_c0_seq1; 161 93 995 LEN=1589; translated
MAASPPQQPGRPSSSSG PSSLTSLSASPFRS QLF AQEMNNSAASCIEVGLYSRAVTS LTR
ALSLSRRQQPPRESVCTCHNC SLDGCIVRSRVVGRVSASLGEEDESANEDDSTNDNQEP
NNYIIGGSYLTRKPIRVECQGHLMGPALYLVITFNLALTNHLMALSTHTTTPERSKRANKA
LELYKLT YEMQANILHHESEKDPPLASPAFAASIRSIRFEMMILNNTSQVHKKLTRNPVE
HQQLRRLSLSTMIVVDHHR IATAEGAVPIDPIWQIDMDGFLKNTIYLILGNIYTS GVA

>comp10546_c0_seq1; 442 1 912 LEN=2151; minus strand; translated
LCMTIVEGESVSVDGIPDENLKTAL ES LFEKCGLEKSEIEEDED DDDDDSD ESPLMGYG
LPDSSDTDNDIVQM KLAIMMSACREGPPKRKSIGPTRRPM TAE EEQALKKMYPENNRKEE
EDNDEG PLLPGEVRKARGPAMSLEM IKAQA EHRELQLKATASGVPMP TNAGGREEWMIIP
GEHDFLSGIKSGQA IKS RGFQNK KSRDADKKSQPIHPAVQAEMDSIMQAHQDARGPSLMD
LHRSKKSQEKE LASRANNGKKEWKWNRDKDL DAGRRVDKDALGMILGGAAGDLKSKFAGG
FNR

>comp10546_c0_seq2; 442 1 912 LEN=2219; minus strand; translated
LCMTIVEGESVSVDGIPDENLKTAL ES LFEKCGLEKSEIEEDED DDDDDSD ESPLMGYG
LPDSSDTDNDIVQM KLAIMMSACREGPPKRKSIGPTRRPM TAE EEQALKKMYPENNRKEE
EDNDEG PLLPGEVRKARGPAMSLEM IKAQA EHRELQLKATASGVPMP TNAGGREEWMIIP
GEHDFLSGIKSGQA IKS RGFQNK KSRDADKKSQPIHPAVQAEMDSIMQAHQDARGPSLMD
LHRSKKSQEKE LASRANNGKKEWKWNRDKDL DAGRRVDKDALGMILGGAAGDLKSKFAGG
FNR

>comp10547_c0_seq1; 434 1 1366 LEN=1569; translated
XVDETRERPWGAEEKAGGRGFDSSNSNNSNNQHYQQQMIFPKESTGSLVWQACIRKEKAS
DFRTNSFGGASLQADEERMRI EWNGMKS NKS NQIQCEKMDRRRIAVPLVWSIQFQCDAMQ
CIPRESRFASNPRVSFRAAHKTKPNFQTNQTKSNHGDARKIRSGGVGGCVCCGCCLFSSS
LACCFPAARLGP SLWLLSPCSLGS SGGDGI EGNRTEKTTQGDKKRRHATQHNGAVAQERVT

EPRTQNAPSVCLFANGTDNGGWRIFFCELDLDDLYTPLFSDFFLHRVRSRSLPRCTALVAGR
RKPLPHNVHHTPYTIHTTGKGGKNRRRGKGDGEEESKRELEFKEDGQEYSQVVKMLGNGRC
ECFCFDGVTRLGHIRGKMRKKVWITAGDIVLVAKRDFQDEKVDIVHKYTADEARNLKQYG
ELPENARINETAVDMAMGNDGDDDDDLGISFDDI

>comp10547_c0_seq2; 290 315 740 LEN=943; translated
MPKPKGKGGKNRRRGKGDGEEESKRELEFKEDGQEYSQVVKMLGNGRCEFCFDGVTRLGH
IRGKMRKKVWITAGDIVLVAKRDFQDEKVDIVHKYTADEARNLKQYGELPENARINETAV
DMAMGNDGDDDDDLGISFDDI

>comp10547_c0_seq3; 738 1 1756 LEN=1992; translated
XFDTITILEETQTKPNPTTNPNNPTTKTKMFTAATLLGLASLAAAKDGLRATTSTAASD
GVQKSNCLDIKSEAECGSTMATGTDTPCVWCKCAAAPPVCVSKEESEGLPPGVFDCGTSS
SPSNSNGNRVYDFGLESQTVHQLRETVLEKGSSEEGADFCDAASSKISISGYMDLKGSKYDQS
GDKHLFFWFMFEKRGDTSGETETVKDEEIPLVVWLTGGPGCSSTLALLTENGPCSVNADGKG
TTVNPNSWTEAAHVWLWDQAPAGVGFSGYDENDSGEEMVGEDAYYFFQAFVQEHPEYAKNP
LYIIGESYGGHYVPAISHRIWKGNDLDCNCPVPLNFSGLAIGNGLTAPEEQYPWYEMVW
NNSHGKVVDEGVYAMKEAVSPCTKLIHQCNQGDNTIDSFACQAAFVTCNLGLTSPYQA
TGLNPDYDIRKKCEVPLCYDFSNVQVWLNLESTKKALGVDETHSHRWEACNFGINAKFRT
DWMKDFSGYVADLLEAGFPALIIYAGDVDFICNYLGNLAWTKDLNWSHKEDFASAGSHDWG
SGAGMARTSNGLTFLQVVDGGHMVPSDQPEVSLDMLKTFLSGGTF

>comp10547_c0_seq4; 692 1 2059 LEN=2295; translated
XFDTITILEETQTKPNPTTNPNNPTTKTKMFTAATLLGLASLAAAKDGLRATTSTAASD
GVQKSNCLDIKSEAECGSTMATGTDTPCVWCKCAAAPPVCVSKEESEGLPPGVFDCGTSS
SPSNSNGNRVYDFGLESQTVHQLRETVLEKGSSEEGADFCDAASSKISISGYMDLKGSKVKA
YPSIKITHTVSLREKLSGNNMNCVTVNGKPAPGLWSILQPTSDFELKTALELIVCCMLVLR
NPSDDDDTLINVQWPAYELVYHNI PKRTPKWPPLTRQYDQSGDKHLFFWFMFEKRGDTSGETE
TVKDEEIPLVVWLTGGPGCSSTLALLTENGPCSVNADGKGTTVNPHSWTEAAHVWLWDQ
AGVGFSGYDENDSGEEMVGEDAYYFFQAFVQEHPEYAKNPYIIGESYGGHYVPAISHRI
WKGNDLDCNCPVPLNFSGLAIGNGLTAPEEQYPWYEMVWNSHGKVVDEGVYAMKEA
VSPCTKLIHQCNQGDNTIDSFACQAAFVTCNLGLTSPYQATGLNPDYDIRKKCEVPLCYD
FSNVQVWLNLESTKKALGVDETHSHRWEACNFGINAKFRTDWMKDFSGYVADLLEAGFPA
LIYAGDVDFICNYLGNLAWTKDLNWSHKEDFASAGSHDWGSGAGMARTSNGLTFLQVVDG
GHMVPDQPEVSLDMLKTFLSGGTF

>comp10548_c0_seq1; 285 412 1134 LEN=1359; translated
MTRFASSRLDCLGPLVPCTQTLTRLEWLLSHKQTDIDTATGSVDYAPTFITILEKAVETV
EEQRLEHANDAESLKARRAMIADRVHRNVRPVSKEITETAGSFTHTMNSDDAVVEVCVRA
SNAGKENPMMFHLRVEELEDVDAFQEQEKAKLLNSPPLVNV EHHWSFMETQLNRIDHEM
KTITREADFFRERDALYHQQTDDLHKATLFWPMLHCCILALTGFTQANHIISFFKHRRII

>comp10548_c0_seq2; 285 119 895 LEN=1120; translated
MLFPGTTAALFLSTLAGVVHGTPHFFVNSGKPRCFAVEVPRETTIQLHYEAPDIDTATGS
VDYAPTFITILEKAVETVEEQRLEHANDAESLKARRAMIADRVHRNVRPVSKEITETAGS
FTHTMNSDDAVVEVCVRASNAGKENPMMFHLRVEELEDVDAFQEQEKAKLLNSPPLVNV
EHHWSFMETQLNRIDHEMKTITREADFFRERDALYHQQTDDLHKATLFWPMLHCCILALT
GFTQANHIISFFKHRRII

>comp10549_c0_seq1; 530 24 1526 LEN=1729; translated
MKFHLLIGCATLVVAGTALVALFGSRTQEDGSATRKLRFNRLPVVYVNEWYGDDWSSGD
DWWGTDDYSKGGDDWWSGDDGFHHGGHGQDDWHNDYTFEYKPVASEFIKVTNGGYGGK
SGRSLSELRFNKVPPVIEGYNTNAFRYTPSRDYVQGVHTALFPLMPSDYPLTGEKANIVR
RETMADEVVLSGDIQLHGDSNPTVWLNLRAGVTP IYPSDPAFWDELRPVVEAQIARRSGVS
PSQMNYWPDSWADKTTLDVAEAVQGEYPLHQSTIEKFFKDGVEMYRDMYPPFRSVVDF
IGTDIRLAAINTWAFEAVAPINFMLKWHYGVPRPEEVAWMIYKGQYTEADGVPADLVALI
KSMDMEYATSFTAYVDGSPHPSFPAMHSAGSTCSYWMPAVCDLSPEQYCEALRVDYAVA
YARTIAGVHYPNNDYAGNLGQRIIEKELPPVLAEKYGYDEAKVARKLEALAFDWHDFDS
SCTIAGVSAADFLAAAKLN

>comp10551_c0_seq1; 245 1388 1795 LEN=1891; minus strand; translated
MDCAVIQTTLKADPPILQGSEQVEIAFQGFHVTFLFTTKRVIFIDKKLWNAGSIKYL
WSSFLAFEVHPANFKLFDTKVHLYTELQFYYPGEPKDDDNPVSR'TTKELAVDVKYPPFREL
T RNVSTLFFHVFRIQI

>comp10551_c0_seq2; 245 1486 1893 LEN=1989; minus strand; translated
MDCAVIQTTLKADPPILQGSEQVEIAFQGFHVTFLFTTKRVIFIDKKLWNAGSIKYL
WSSFLAFEVHPANFKLFDTKVHLYTELQFYYPGEPKDDDNPVSR'TTKELAVDVKYPPFREL

RNVSTLFHHFVRIQI

>comp10552_c0_seq1; 332 336 1037 LEN=1241; translated
MSISRSANNDEHAAAELLWQLKAIATKEVENVNIPYSCIDSFFDPLESLEGRGRTVSVDE
TVDLAMNQISPVLSVIPKAFTERNHFLDTSSSSIDHIDHHDWSPTVEKKSRRRPSLIRIG
EGTRQSKRKRESHVGLTTKSGIIRSTLRKKFSWKQYPELEDYLLKNQEEYFEYSSRNYTA
EQRKYNNGLTRGLLDLASEEGYIFEEFTFSMVRDRIRCYYKSHSQAQAKKRRR

>comp10552_c0_seq2; 279 336 836 LEN=1345; translated
MSISRSANNDEHAAAELLWQLKAIATKEVENVNIPYSCIDSFFDPLESLEGRGRTVSVDE
TVDLAMNQISPVLSVIPKAFTERNHFLDTSSSSIDHIDHHDWSPTVEKKSRRRPSLIRIG
EGTRQSKRKRESHVGLTTKSGIIRSTLRKKVSIALLLSPSTIPPLT

>comp10553_c0_seq1; 431 617 2425 LEN=2712; translated
MVSNNKRTAPLYGSIPVTDDSHDTEATNLLLTGDDSTSSNTDSRRFIPSWITGRRITAAS
LVVLSVLWIGILSSFEQYGPMSKERTVVSFLDSGNNYSASFLLDDAYDEAALYDDQOV
DHLHMDDGRYTSQRYKMSRNFGGPGHPILVIMGGEDTLLGLLYPFVYERLASEFGAFVV
SPEHRFYGESQPVPGRPSVDEMMRYLSPDQALEDALQLIYVRNELGCDPDRTPKGYCP
VITFGGSYPGFLSAMLRFPPDLIDISYASSAPLQLYSQLVDSDAYFDKVTDVAAELASEG
CPDAVRSALFAVRDDLYSNYADDESGDNILRAAAATGFCPDTFPGYVSGIEEFVSETIQY
LVPAIFADFNMEYPPGPDALAKACAIQQPDALASPMKIRQFFDLRDAEAYGVEGDS
DGS DARCFDLSQELPDGPHSRIRGSDNSGTGGGHVGEIWEFQCCKDLIVRAGYSERSMFL
PRPFSYEWHEEHCRARFPPIVVEPYRMNQWHFGNNLTATSRIVFANGLNDGWETSSMTN
ATELEGGPYKELRVLNFNGAHHSLSHTYPNPNETADILEGYDEATAILSGWLDEIRAV
QK

>comp10554_c0_seq1; 1039 273 4034 LEN=4334; translated
MRNPKTDVLAKTATLKKVIEKCKKSKQCPYCGAVNGTVKKITGAPTLKIVHEKFKGRHSE
DELDQLMDNLSMAMDHNKDLISVMTGGTTPPFEDLLPNKVLEIFKRIPDEDCEVMWVPLI
GRPENLILESILVPPVPIRPGVKVEFGGGSNEDDLTVKLQEILDINVALEMALTKGNPPR
TIMEEWDYLQSQVAQYFNGEMPGLQRPIGAKPMRGLCQRLKKGKQGRFRQNLSGKRVDFA
RTVISPDPNLLVDQVGVPKRVAMTMTYPERVSRYNKKKLQQRVRNGPHMHPGANLVRTGD
AKGFDFKSLAFGDREKIARSLREGDIVERHMEDGDIVLFRNQPSLHRVSI MAHRAKVMERW
TFRFNICVCAPYNADFDGDEMNMHLPQTEEARTEANLLMGVHNNLTTPRNGEPLVAASQD
FLSASYILTQNDRFYTHEQFCQLVTFYFGDAGEQIDIPPPTIVKPMHLWTGKQVFTAMLQP
NDKTKIEVSFATKEKNYISNKHFCCKNDGWVDFRNGELISGNI AKKTIGDGSKTGLIFTVL
RDYGSRESAKLLDRWAKFCGRYMGHIRGFSIGISDVTPSDDLTKMKHKILLEGYRKSESN
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VEPGEAVGAIGAQSI SEPGTQMTLKTFFHSGISSMNVTLGVPRLKEIINASKLISTPIIT
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LPDVIVQGI PSVNRAVINETDKDGKQTYNLLVEGYGLQDVMGSPGIDGNHTWTNHIIEVE
NVLGVEAARTQISSEISYIMSAYGIGIDSRHLLLSVDMTFKGEVLGITRFGVSKMRESV
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FLTSSVAQLEREERMVQIEKNMVQLKDKNGKEEELKNRSNHPLDSNLSSSSSDVIVVKA
DKSPLHLKTEEKVKDIVLASTRIQNGLMILKLLDASEFVQKSLFDEYRKDHAFHGYQGM
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>comp10556_c0_seq1; 357 1 1308 LEN=1448; translated
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SLVVDFESTNFVGTFLRIKDVPLERKNGSMNDEENDIKYGQSESIDYFADRKRKFQ
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>comp10557_c0_seq1; 401 210 1814 LEN=3227; minus strand; translated
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NGRAMSTEMIPYVFDTGSPYISLPSNVFESVWSSNTT SKVIFSI LTL DGGDEQIEVTITP
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>comp10557_c0_seq2; 401 335 1939 LEN=3352; minus strand; translated
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GKPI SQCMMYGARSHGWY GDSYAGNVSIGDGGDFVNGLFYSVMEKAFGEVGNACGEVMEG
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NGRAMSTEMIPYVFDTGSPYISLPSNVFESVWSSNTT SKVIFSI LTL DGGDEQIEVTITP
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>comp10558_c0_seq1; 401 17 622 LEN=788; translated
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>comp10559_c0_seq1; 204 1 601 LEN=601; minus strand; translated
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>comp10559_c0_seq3; 220 1 570 LEN=570; minus strand; translated
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>comp10559_c0_seq4; 243 1 696 LEN=696; minus strand; translated
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>comp10563_c0_seq1; 153 354 689 LEN=802; translated
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EDVANAVTYL ASPASGFTTGELLRVDGGLHLSNWWNKPVMLDQYGNGT KRNK
>comp10564_c0_seq1; 501 1 1799 LEN=2165; translated
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VDSAYLFKYKPEPGLRTEIHTDGGCLSFTFALNPKSEYEGGGTWVEGLTSDDEDPDMGETI
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ALECAIALNPEFEGPYTPLAQIYENDGTPEKAKQVMEDCLRLANPKSTASSYYLGTFFKYK
EGDYKEAMRYMKNCLEIDPNDGDALGTLSHCYAQLKDVEKEKETLQKII EAPGVANPVL
QAYCNLGHIMHAGEGEEELLYYAKSLEAEPSSLPAMHNLGNALARREQWDRVGVFRRVVKD
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>comp10565_c0_seq1; 346 315 698 LEN=1333; translated
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EVEDDEI
>comp10566_c0_seq1; 443 317 1996 LEN=2180; translated
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DPQKAAARFVRCLDLLLEVYGEYSLRRPIRLTDMTRDEL SFMKSGYQWL PYRDRSGRRI
YCI VVNNRNDVPMRVL LKVFYLFWFVASGGSDITNNDIKNLETQRRGAI AIVFPINEHMK
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RTKVHLGNPLELRYQLHSFGIQGELIPCTDTGNIKSVNLKQWLKLRHVEQEEQVWMEKR
GIPYSSSDV GASTNDSSSVSSEIVECPLSADVFRGKALNQH PGNVGFHDLIEAKIHE
HTIDPSTTHARRQAIEIEVIEEVRTNGGRFLKWDTEKSWVNM DVNTTDDYTKNEADKQI
QSKVHYAFRDFRKRMLRAQQEVITNASSTDSFLVQQY GQKRIRPNDVTGGRRESGIGSFC
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>comp10566_c0_seq2; 298 391 1356 LEN=1540; translated
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NARTKVHLGNPLELRYQLHSFGIQGELIPCTDTGNIKSVNLKQWLKLRHVEQEEQVWME
KRGIPYSSSDV GASTNDSSSVSSEIVECPLSADVFRGKALNQH PGNVGFHDLIEAKI
HEHTIDPSTTHARRQAIEIEVIEEVRTNGGRFLKWDTEKSWVNM DVNTTDDYTKNEADK
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>comp10567_c0_seq1; 448 478 1542 LEN=1847; translated
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LECGGVEMANGDESRTVCQDGKIFQKGLNAEDSMPEIISADIETCEGVLVHVDKVLPP
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TWTVFAPTDDAFDTMVEHVDLTSDEIVSVVRYHLHDGSLFFEDLVCRDLIPMANGRRSR
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>comp10568_c0_seq1; 570 191 2296 LEN=2363; translated
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VSLQPTDLHEVADTFVTIAEACGVPERGQRMKHDFLKNL KALQTAIQTNRSNSSSDSSTMP
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GFDLERNIRD TLMKKEQLQKLRAGQNHRIYASYGDWYIAQPAPFLLQGVALLAQ CAYQNE
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>comp10568_c0_seq2; 535 191 2317 LEN=2317; translated
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VSLQPTDLHEVADTFVTIAEACGVPERGQRMKHDFLKNL KALQTAIQTNRSNSSSDSSTMP
TLF ILEWLDPVFDSGHWTYQMM EYACVRSARPKKETHKAVVIEWDDVYAADPDLIVV GCC
GFDLERNIRD TLMKKEQLQKLRAGQNHRIYASYGDWYIAQPAPFLLQGVALLAQ CAYQNE
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PSILYKQSCEETKDGLPMFSTSN S QIKVLFSSGGKDSFLAIRALVRKHYEDGPFGLILL
TTFDATSRVIAHQEVSIDQVVKQASHLDITLVGIPLRRGSGETYTD RIRCGLKAIQSFIP
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>comp10569_c0_seq1; 728 35 928 LEN=969; translated
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TGR I INISSVVGQFGNPGQANYAAAKGGVIALTMSNAKEFAARGIKVNCVCPGFIETDMV
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>comp10570_c0_seq1; 425 1 1471 LEN=1882; translated
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RDPLTLFNGCFNGISLTLLSNIPAGAVFFGVKDAAKVALKNSDGYSTQPRWLTTSLAVSA
AMIPYWIIRNPSEVIKVRQQTNIIEGYGEGVSIITALQKTVRSEGDTDDDDDENTSDLYTG
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>comp10571_c0_seq1; 215 376 1707 LEN=2026; translated
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VSKGIETSSMGFMADVIRDVLGEDRPLAFLSGPSFAREIVEGVGATAVVIASEDLDLARD
LAALISDGQFKCFTSTDVIGVEVGGAVKNVIALGAGMCEGLGLGTNAMSGLVTRGCNEMR
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>comp10572_c0_seq1; 649 1 2695 LEN=2868; translated
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GYESESHRQSEIELPRQFCESGLVSIQDFESFLDWCYLKVKMTPSNALGIMFLSDYFC
ADGLKTTTEGYIEQFLVSCRKQTNPKSLGLAQLYQNAK I IGRHDIRDAVVNVCALHPSF
MSREFKLTETLRDVEFWMAVFTAKSKGRKLR SATETEYWSTIFVDFVRQYPEAVNAESF
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>comp10573_c0_seq1; 310 687 1415 LEN=1559; translated
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>comp10573_c0_seq2; 310 574 1302 LEN=1446; translated
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>comp10573_c0_seq3; 388 1 1970 LEN=2114; translated
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>comp10573_c0_seq4; 392 1 1857 LEN=2001; translated
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SAVPNQNKVALCRYNDGKLLDILTVDVVLNETDENVVVDSFSAIDNLTIPDTAEAIVERAA
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>comp10574_c0_seq1; 1106 669 2507 LEN=4670; minus strand; translated
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>comp10575_c0_seq1; 801 171 2801 LEN=2900; translated
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FGGLSALTLTLRRAFDDLHLLLELHLLT LSSDSSKPDGQPNHRRNVSTPVI PSTYRSMDVD
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>comp10576_c0_seq3; 297 259 1137 LEN=1249; translated
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>comp10577_c0_seq1; 668 1 2431 LEN=2836; translated
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>comp10581_c0_seq2; 1055 212 3478 LEN=3478; translated
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>comp10582_c0_seq1; 224 368 700 LEN=1269; translated
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>comp10584_c0_seq1; 345 269 1037 LEN=1675; translated
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RGQSDGNHDVDAISEHSGPPKTPMGNPIDSDGKNLPTPKTVNTNSVASCATESQKITSDE
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>comp10586_c0_seq1; 293 1 702 LEN=866; translated
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RARSRTEFSIHTGEALKAGIGMEVIEAIPRDDDFSVLAVRERLVPLETDREKAIIVGFAA
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>comp10586_c0_seq2; 321 138 752 LEN=916; translated
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RSYNEAYS YIEAMDRIERFLSIWEEGCRMVPLSCKKHDEYAANSQFITHLMGRILGKQG
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LMGFVIPVDALPISQKGLTKTAMLQQWIRLRKLMETPSGQDGASSEEDSSISASDISSAI
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NSASNQTRKGITMLQLSLYRSGSKTITRSYPVNRIEGFGAGSKFKKHDIKITHGMV
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KRSRSDIESSKSKKHSSKKEREDVNSGGLHFSEIVDDSEDDDDSLQDSTNANSTNTQ
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>comp10591_c0_seq3; 1137 161 3862 LEN=4001; translated
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VHSENTMNQKLNHGQYKPSSETPEHTPSGPGNNLRSSTFASGEAARAPQSTIPVSNNYFG
DPCEEDEFDGDVDFADFDVDEAIREHNKNSSATNNSPSCGSAASRMTRPKITRSVDLADH
QNFGRESFSYGNHTDSYDERRANNNDGTNRDQNGYSFEDRHRNSASSYQQQHTSCNDP
SGYSSSAFDNNFRSDIHFSSGGEKYNHYNGSVTDHQNNSMVDNYGNDGETPRCPGHGLPC
RLLTANTSANMGREFFKCSLPEGENCDFQWKDGMENWNNNSFAESTCVTASGGTILNMR
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LSLIQDQVQSLLKNGVKSFFFSSAQDYHSEQVDINRQLNETTAHGGVKLLYLTPPEKLSHS
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SEKVVNDAVRALGMRNEYRYKSSFNRPNLRYEVRKKDGVKTDIAIDIVARRPNDSGVIYC
LSRKNCEQLAEKLTQKLREKGCNRVQVSFYHADLDAQERERRHKQWSVGRINVLCAVAF
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FKKHDIKITHGMVFERILVETSVENKGGFTSDYVTLGEKAALLQRGSEKFFVVEFPKKVT
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DSLQDSTNANSTNTQSVLPPHHTNKIVEMLKTLVKRWADEEQMMGNHVIFYWHILSGGEVK
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>comp10591_c0_seq4; 1052 161 3978 LEN=4117; translated
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NSIVQYKASSLP IEPKDFEHKHKPSLTSSSLPPSIPSNALNDFCPPREQKEQPNNENS
VHSKENTMNQKLNHGQYKPSSETPEHTPSGPGNNLRSSTFASGEAARAPQSTIPVSNNYFG
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SGYSSSAFNNFRSDIHFSSGGEKYNHYNGSVDTHQNNMSMVDNYGNDGETPRCPGHGLPC
RLLTANTSANMGREFFKCSLPEGENCDFQWKDGMENWNNNSFAESTCVTASGGTILNMR
EENRRVFGHRSFRKQEDVIQNAIQKDVFXFDADGVCSNVLSTIVTIGLLNLSLIIASN
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DIESSKSKKKHSSKKKEREDVNSGGLHFSEIVDDSEDDDDSLQDSTNANSTNTQSVLPPH
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>comp10592_c0_seq1; 590 152 1755 LEN=2304; translated
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SGNGNLALSLEICRHLGINLGKATVGRFADGEANVVVHENVRGKDCYVIQPTCPPVNDNI
MELLLMVSTLRRASARRITVVIPIYYGYARQDRKMQDQKVLHNVDRFDVLVHCRLKYTLA
LQSHGIIIRVRFPLARVPI SAADVARLIEAMGVDRVIAVDLHCGQIQGFFGPRVPVDNLD
GGIVGLDYFGSKDLHNPVVVSPDAGGVYRAKKFKEGLVHKYDMQDIGLAMIVKQARAGL
VDTMDLVGDVKNDCILVDDMIDTAGTLC AADVLIENGARRVFAFASHGLLSGPGNDRL
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>comp10592_c0_seq2; 681 152 1636 LEN=2185; translated
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MELLLMVSTLRRASARRITVVIPIYYGYARQDRKMQARVPI SAADVARLIEAMGVDRVIAV
DLHCGQIQGFFGPRVPVDNLDGGIVGLDYFGSKDLHNPVVVSPDAGGVYRAKKFKEGLVH
KYDMQDIGLAMIVKQARAGLVDTMDLVGDVKNDCILVDDMIDTAGTLC AADVLIENG
ARRVFAFASHGLLSGPGNDRLANSKMEEIVILNTIPTSPQREANEKLTMLSVAPLLAQAI
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>comp10593_c0_seq1; 267 1 744 LEN=2202; translated
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DFACTGLQGSCHQPPQSAASASVTPGQNQLSSPPCAFQSSRVVSTSVNHGNHCRRHSTTRS
RIFLVSEEDVLEAVERAEGLEWEKALAARTEANALIDRAEVEANASAETVKKSENTFMDKT
KPVSMQLEVEVDKAAKASLEATTLVNEAMKASEEADRLEAEAEAEALKKSEEVLDQHLIDY

PDSALAD

>comp10594_c0_seq1; 364 117 1205 LEN=1424; translated
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ELLYKATPLEKRDCLSGFMSKPYPTESLVDLSLTKRSISISRTEPSPIPPSPPLAAAA
ENDAGVPGNSETNREEAPDGVESGGTQTDGGAENAASPSSETTSSEDNDPLESPSPQLLQI
DRHDRKNAKQSMFWLCYYVRYLYEFHRLVLQRKHDPVDASTMSFMQFLYPYFKEYYDSKD
AKKFLKVVADYRTEHFLGQGPSVVKQPSRELSFLAILEVVMYLWTPALKEMALKGRLI
NQ

>comp10595_c0_seq1; 364 63 1445 LEN=1589; translated
MPLPKIGRNNNTTATTKDDVELQHLVSDCSNDAVQKEYCEEKFETVDTTKSTANRYSMGS
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VSNFSDLANQVGENCFLFQLMMDDNHTSNAPAVLARVALAIGLLSQFLGSLCLLALILAD
ASTKVLIAWVVLQPVLFQVSNLEFIFESVSVLGGLLLLLRAHTVYLCGHDEQSHATNNNY
PCVSQCPNQRNGSALFPSSTQTASTHTRNCHRYTQLAGRMLPAMHLYYAGLVLSAITL
DETSNIGTYLSSLSVVFVVELLALLGIVIGILLISVGLRSRFVALMLALANTLFCYRHPF
FRFIWIDEATGDWRIASLDDDEADLSHKMWMTSVVDVNLNGSLPESNFEIDPWRIYDLHR
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>comp10596_c0_seq1; 412 190 1374 LEN=1425; translated
MAMSRIFPLVLTHRRPLPTLMGTGAVLASSGFMMVHSTTTKTQCTETNELLLKPTESPSLL
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ELQIEYSRGTGSNEATRKLVSVEERIELQNKQKTQIQEAAAELA AVEEKWMTREDLSSKSR
LNRKSAERLLNLCRENGGVYIKVGQHLANLDYLI PREYIEVLSSLFNDAPQSDINDVYSV
IEEDLGHKAEDLFDFFDPIPIASASLAQVHVAYCKKTKKKLAVKVQHRGLRETSAGDLFA
VTRVVRIDSFLTDFTFGWIADEMAPLLPKELDFQREGRNSEQAAADVRKSGLACCIPKV
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>comp10596_c0_seq2; 158 1 766 LEN=817; translated
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DEI IERSKTGSL SARTHGGSSHEVGSQADRAVIRGYAKQFLGEIFSL LGVLPPQMLLLLK
MNDCLR HIDMTLESPTNTLVIAGKYAASAVYREQMRR TSSSNNEFSLAKRSILRFRYWLE
YTKVMFRIQIH DVGAW

>comp10596_c0_seq3; 467 190 2076 LEN=2127; translated
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ELQIEYSRGTGSNEATRKLVSVEERIELQNKQKTQIQEAAAELA AVEEKWMTREDLSSKSR
LNRKSAERLLNLCRENGGVYIKVGQHLANLDYLI PREYIEVLSSLFNDAPQSDINDVYSV
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VTRVVRIDSFLTDFTFGWIADEMAPLLPKELDFQREGRNSEQAAADVRKSGLACCIPKV
VWERTSPRVLTMFEFEEGFKSTDIEALKD SGLNKS DVAKLVSSVFN SQVFHSGFVHCDPH
GNCLIRRSKNGRP EMVLVDHGLYKRLDDFRIKYAE LWRSLMMADLEGIKSACSGMGVNK
YPLFAAMLTARPYDEI IERSKTGSL SARTHGGSSHEVGSQADRAVIRGYAKQFLGEIFSL
LGVLPPQMLLLLKMNDCLR HIDMTLESPTNTLVIAGKYAASAVYREQMRR TSSSNNEFSL
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>comp10597_c0_seq1; 1002 281 2331 LEN=2331; translated
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LMVDFTFTPSRYGSHRHSGESVSSLGGSPTSTVGGGASTATVGSVFSRLYGTGTAASRA
QRHRPREKPHNERFGAGAWMSSASQYSQHS AAGGGRSVSSVQTASPRVESLYKAGEEKL
ARPLSDAEAEAEQLRKRKRVETKALEVPGAYTFRPQTKWNLVAERRRLARIEREREEEEARN
TARILQAEREKERRKVEESDSKELTFKPNLKWDLIRERRENAPDSPTPEPKHTLTRDQR
EKLERDRRYEKELEXLHVQPKTKWDFRKKKVKSLFDDEPSESVD SVVESFVEPVVESVP
PPPSPRPFVSNDFEAEKGDTRVRNIVRRNITSDIEYQSPQWKKKFRQIGQKTDLEKE
VVAQGGGAQDAVLRGNMLMPKLDLGRIDSEDKDDCPDQGT ELHSTKASKWAKRKKKNS
KKNLVEDKKANTTTDAAEENDD EDTAGAIEAKADEASKEAEHDAAKAEIEAMRIMEEPP
AAKEDAEAKRKAEEETKQKEAETEIARKAE EKKQKEAEAKAKRKA EKEAKKKAKEEKKL
RKEAKAKRKA EKKAEKEAEAKRIA

>comp10598_c0_seq1; 151 1 500 LEN=913; minus strand; translated
XPAVNQIECHPLFPQKELVEYCRKEGIVVQAYSS LGGQDVGKKFWRTLYPPPPKRGESK
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STYELDKLESELEHALFEVAKAEKKDVDSMARLCWRNDPLRDLLFD
>comp10599_c0_seq1; 184 1 651 LEN=824; minus strand; translated
LIQSSQYTYKIRCGKDAASTPDSSCASQNTTEGNNAASTVMKSMNASALLDPLKYCKGSGK
LIANVNNGGRTINGADAARRLSRGGKDFLSAARELDGPPVLDGHGVPPALFQHCADMADA
LLRYYGPDVVECSFHNYHSTENNTSSSGKTPLHVRVRRRDGTNSCLPPPSISERNRDGKN
HGIEGREMNRIDWDYNLTLYLTVMVSSLDAANVCKV
>comp10600_c0_seq1; 412 1 1161 LEN=1727; translated
SSSSSSAYGDGGGASTDWRDYMPNYRKEDDSQYDTGGDSFGQIFSDMLTGAAGAAVSGGI
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LERKARDLDNEVFATDAEAKMAARFSEERLEKEERASELKHARQEVVGGYLARARKRLALQ
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PSPPPSYSASPRPAPGPERVGRRTAAPSSSITSNGGGTRSNYSSDVPPhRRTRGSSFASR
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>comp10601_c0_seq1; 630 12 1412 LEN=1579; translated
MAAKTGIKSQKVGVVKKKTATKSPKPSKGAFFANTELDSTLVDKAVEAVLKYQEKVTESS
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IVKDEAKPWCQEMMEKFPDHMGCVKVLTLLESLRKKHKSFDQKRQLLSKYNMFMADDRIL
PMMSKALGKNFIKAKRLPVPINLTREAAALPFAIQKALSATYMTVNKGTCISIRAGHTGME
REKLVANIMAIKSAKRIIPRSWANIQMIGVKTADSVSLPVYNKTPEALREIAKLAGIKV
DSSVQSGEKNETEKTDESNDKETKEKKKDLQSPLLQALKKQKADKDKPEVKKAKKATK
ETKAEKTKTPEKKTKRSPSEPASSKQKKAEPAEENKEFIATKKFKGSKKGYVFTM
GRQGLGYYIDKKPKIDKMKLEALLRSCSSGGGRGKNSKQGRRR
>comp10602_c0_seq1; 155 269 622 LEN=1316; translated
MASDATSAGGDGTPVDEYIKTMTHNYVSRKADIEGAKRVEIKGRSILHEGVKVRGDLQIV
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>comp10602_c0_seq2; 220 269 835 LEN=1132; translated
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KIGRYCEIGALTSLEPPEIPFRKDKRVPMIIGSHTHIGKECTIQGAAIGSMVSIQDNVKI
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KQKQRAIQ
>comp10603_c0_seq1; 1548 276 4662 LEN=4662; translated
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DRAYSAMMDSVHIIPKLEDSNADHCIESPQKRRSGPGQVMNQSIISGEGAGKTEATKY
IMKYLARITKKGKWTSEESPPFLSPDGKVMMALEDVLSNPLETFGNAQTLRNDNSS
RFGKFIHINFSTEKGIITGAQISNYLLEKTRITTOIEGERNYHIFYQLFAGAKSDLLTKL
GLDTGAAAFKYLGNRSSPKTEKDKSDYAETMQCLSNIGLATEEQETVMALAAVHLHGN
VFEEGENEDHSAIISEGSRPSLQACELLGLEEDAVADAILTKRLNIGGKSIKTPSTVVM
AEDKRDSLAKMTYSSSLFIWLKVSINQTLGEHEADSEVQNDETPIGFIGVLDIYGFECFEV
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GILNTLDDSFSGMGSSEKDIKFVSQLHKLFGSVAGAKSTNGGHPYFGTPKFGNDRQFDI
THYAGEVRYTVDFVEKNMESTSNELKDLGSTSTIPLARDVFSASSNSDERRSSIRGFSV
ASQFKQSLQSLVDDLEMTQPHYVRCIKPNLKKSSNNFNAGEVLKQLRYSGMMEAIRIRRE
GYALREDHKSFYNRFSVLLSADDLKEIDIGIDQLVNVLSKRLNVTADWDQIGHTKIFLRRE
LSDKLERLAKLRVHRAARTLSRFGRFIATKRASSLLVAVAKFRLFMRQKYRENKASTKIA
ATYKMHKLMELFKKCI GAVVKIQSLQRMVVAKFVANKLRDPYFDMTYKEMKKFLRSEITR
MEKAVDKDFKTAALIEEKIESLKVAIERKPMTRKRLEEKIETVQKQLDNAIKSKDYKE
AGPLQDELEKLTDLRTEFPTMDELKNDVKAEEAVASAAKRRDFENAASLQKDVDAKRR
LEEATEEEDGSEDNSERSENEEVLNITFDGIESRADLENELKDLHKQVDEAISNKDFKLA
SELQSKINEKEKLSFFPSIEELEEELRNATESLELAIASKNFEEADKLNKELFVLKRI
EEKEKAETISANAHPITKIIIGIDGKIEIFDSRQALEAEIKSNASLQENEISSKNFKKA
QEIQAYIDNLETLRNFTADELRTKIATKKNLMDIAISEKRFGDAEELDKEISAFEQNL
KKELEANTSQTNFKAEMNLVSKSKTSPFIPAKTNKNTIISGNAKTKKRVDSGASLKSRE
SRKKRDASVTNDSRSVAKLRPKX
>comp10604_c0_seq1; 941 356 3643 LEN=3800; translated
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DMEDSFEISKHALQIHTPMRSNGDINCANSEGERLYPRLDYSKGFDPWWHLDRDIDKTPS
EHTQH GKRYAAEVTLAHFYELDHWNQIGYVTFMEDIYPNQEPWHYLDKLI CKFRREEEK
QRKACGLPPAPVYKMCELYRGQERTAEDFEFFFEETVETP TSN DGQMNRPNAI PLENFGEN
PDAKRFPLQLCQGD CDF SEDCAPGLICHRRDANEPVPGCIGGEDDNTGSDFCVFD PFGAG
YNVRTEKPTNAPT KTVSPTITPLPPIQAVDFGGDPPADAFPLQRCQGD CSDDDCAQGLI
CFQRTSNQAI PGCIGGEADSLMTDYCIVDPRGDGYKDQGT PPLKNTVTPVAVPTAS PVA
SKPPTNIPTTAPT SRAPVPLVPRPTGTPK NLVNRGWEPN FLLDECEGD CDNDS DCLPGLI
CFSRETAGVAVPGCTGGEDDTLTDYCSYPLDPNDI IEQDIEIVITRSDTESPTNPPTK
EPTNSPVAATDTEATESDDK PVIQVNGISWSPPKERLPLQLCEGD CDVDDDCG SGLVCFQ
RFTPRTPVPGCAGGELDTSLMDYCVTDTRNTTTPALVIEAKNPVPAVPSRPAPAPVSI V P
ISETQLVSSRSDVPPVDCGKYGGVNMNRFCDNDHKDMCKVPRSNSNYCHQNYGIFGDD
IYSVCHHCLEVRQESYAVGEPNPKPDGLEPYTNEMCSELDNSARICKDESCDPAFANT
KYCKEQIDENAGNWERI CHYCCHP SKEFSTSRLLLLESAADPELKAITKEEMRLWHKENPK
DLGPNDVKFNPMDRKLI VREENFVKKGLKDEDAYFRELHSAFQRRQLQTSFKENYEDVHW
WPYEWLLKVGTEYYRYEGSMTVPPCYTVNHWRVMKDP IRVAKHQITELERLLSWRINGK
CEASTAGKKNRNDNPDAVNVRPLQELQKGRMVFC ECQDWPSKFPQERAWCEK WQQRDPE
LRLFENPYNWKQQGF

>comp10605_c0_seq1; 112 1 457 LEN=1092; translated
EERAVANKLILDRIDEFVWTKQDSPNAPIRKQYLFKDG VQSELAQVHREPTIWI VYSMLG
ADYFKTTGMVYGSYATMGFP TERERKLEAGKIDPAPSTSRRNMRSTLRVLQQQQQQNN
AQVANTNPPSVP SDEFVTLDIVAADSDVPA

>comp10606_c0_seq1; 506 317 1384 LEN=1533; translated
DDNNYQHNVPKSENQPKALAA SAIAYATNITDLSPLLVPGGPVQAI AHRHVALGVHPMQY
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EFEVSEINALTDSVKQVSFKPPSGSPLEGKKFDFTGGQYLSLQIDIDGDNLTAPRH YCT
SPVGADYLQCTIKKIGGGKVSTYVHDNLKVGDKITLSP PVGVFTIPEEAETS AVLLSAGI
GVTMPVNFQ RVLGDRVKLVVHVDRAEETHPYKAFF EESGAETL FKYTSATGRPKASDLAQ
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>comp10606_c0_seq2; 806 348 1700 LEN=1849; translated
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TIDMIVATAPAVAPKMLDITKCFYEKILGSHPELLQFFNPAHNVPKSENQPKALAA SAI A
YATNITDLSPLLVPGGPVQAI AHRHVALGVHPMQYVVVHEKLM AAIGEILGDI VTP EIAS
AWSEAVLFLAKAFIDTEEGLYKALEQREGGWSGFAEFEVSEINALTDSVKQVSFKPPSGS
PLEGKKFDFTGGQYLSLQIDIDGDNLTAPRH YCTSPVGADYLQCTIKKIGGGKVSTYVH
DNLKVGDKITLSP PVGVFTIPEEAETS AVLLSAGI GVTMPVNFQ RVLGDRVKLVVHVDRA
EETHPYKAFF EESGAETL FKYTSATGRPKASDLAQ ETIDKVGKDHEFFICGPESW MEDVQ
AELL SRGAKKVVCEVFGS QLATGCPFFASA

>comp10607_c0_seq1; 568 450 2048 LEN=2194; translated
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NC SKKLGCSYEQIAESVKPGQQILVADGALVLT VVSSDVPNKEVTCRVENNASIGERKNI
CLPGIRVDLP TPFSEKDVDDVVNF GIKNGVDCIAASFIR TGQDVLNLRKLLADNGGEAIKI
ISKIGNQEGMEHFDKILEETDGIMI ARGVLGMDIAPAKVFLAQKYMIRKSNLAGKPVVTA
TQMLE SMLCNPRPTRAECSDVANAVFDGTD CVMLSGETASSPYFEQAVQIMSRTL TNAEQ
TRDYNALYQNMRY SIVA EKGPLSKGESVASSAVSAALDVGAKLIVILSDTGKMAGYVSKF
RPAVSSLVLT PNAAVASTSHGLTSGTHSILVDSLEKAEELMEETMYFLSQTGMMEKGDKI
IFMAGRAASFKERLMIDVLNEGKSHGRFVNNGGFFNSAHILKSGTYDGMKSF

>comp10607_c0_seq2; 568 408 2006 LEN=2152; translated
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KRSLDR LRKVAASKSSNIAVLLDTKGPEIR TGLFDKSVLTQLELKRGD DFTLIGDYSYKA
NC SKKLGCSYEQIAESVKPGQQILVADGALVLT VVSSDVPNKEVTCRVENNASIGERKNI
CLPGIRVDLP TPFSEKDVDDVVNF GIKNGVDCIAASFIR TGQDVLNLRKLLADNGGEAIKI
ISKIGNQEGMEHFDKILEETDGIMI ARGVLGMDIAPAKVFLAQKYMIRKSNLAGKPVVTA
TQMLE SMLCNPRPTRAECSDVANAVFDGTD CVMLSGETASSPYFEQAVQIMSRTL TNAEQ
TRDYNALYQNMRY SIVA EKGPLSKGESVASSAVSAALDVGAKLIVILSDTGKMAGYVSKF
RPAVSSLVLT PNAAVASTSHGLTSGTHSILVDSLEKAEELMEETMYFLSQTGMMEKGDKI
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>comp10607_c0_seq3; 264 83 631 LEN=777; translated
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TGMMEKGDKIIFMAGRAASFKERLMIDVLNEGKSHGRFVNNGGFNSAHILKSGTYDGMK
SF

>comp10609_c0_seq1; 945 1 2635 LEN=2690; translated
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SKTAVAESTSSANRRFSRARDRLRGILARGKKKTQGVRSVMASRKPRIDSGLHPGTPRSS
RRRWLALASMAASLAARPTVALAMGAMGGSSGVPRAPLAKNEQLSLFGLFFGLFAGLAL
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FTHLVAGVFGNSGEKYGALALTALTLFFVELLPK SIGVTNAESVARIMVPPINIMTMFVA
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FVNGVLVDEDVVKKIRGEEASNNSNSNSIQSQKENLLVTKDGEPVSSSSSSSPLPSTVEK
LSSPQLYASQDMPTVQTPKGKENYVKPLTGFELARRMEKSISEAELIENCYFVPETANGW
SVLQEMRRRRVHMAIVVDEYGGTEGLVSLLEDIVVEVGEIYDEDEDEEFFDFSEDSITLQD
DGSFVIRGDADLGDCTILNLNLDEDEALKVFATLSGFLCMCAGEIPQVGFVMSRGCWF
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>comp10610_c0_seq1; 606 144 1316 LEN=1495; translated
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DEEDLAAVLRAGQMQEAAKADNGADEINVIEVQLPGRRSIKRQRSLRFNEEVNVRNVV
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>comp10612_c0_seq1; 648 324 2528 LEN=2804; translated
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CLGLSDTIDVYVYSSAGAVISAYFVSKQLPYFGLVYDALTTMDNNHSCKTSLKNAVAQ
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>comp10613_c0_seq1; 198 1198 2124 LEN=2155; minus strand; translated
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DGFEAVSGLHASGASTLTATIT TNGVPTSVQADGASTVTLVSNANVSGGTINGASTV VAK
TPSYESFTVNGASSLSIDGGIGSGTLNGASTVTATGDVAAGSLTLNGASTANLATCNSV
TSNGGSSCNSGQSVSVEISELPETATGTGT CVRDILGSIFGGSAGTTIGVNVQMFAPM
FCALLLSLW

>comp10613_c0_seq2; 198 1159 2085 LEN=2116; minus strand; translated
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DGFEAVSGLHASGASTLTATIT TNGVPTSVQADGASTVTLVSNANVSGGTINGASTV VAK
TPSYESFTVNGASSLSIDGGIGSGTLNGASTVTATGDVAAGSLTLNGASTANLATCNSV
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FCALLLSLW

>comp10614_c0_seq1; 1053 229 3975 LEN=4238; translated
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FLRSAAEERIRTAATKSSDFISWAVPFGMGDSVVLPAVGLGAEAVKTAWDVARYPVPSQ
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KRDVPWVSFDHKEGSMLEQRHILKQTSVPAGDETSGGSDSVEITNGSAEQHLPKDEQK
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AVWFLDTPQNGPQPYGEDAQAMLEDAYHFLKWIIDSKRTKALS DARDSDDDDESSDDKSD
ENVLLTVQVLS PDSGEQQLVQFSSLTLATAIGRGLGGAIALFKRRVYRGAYNCSQSDDNE
PRNDDLNRNVEDDSNVPVDDSRWTTTTEDALERLDLTIDTPESLSRKKIERMEIDL DYK
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ANDTLM DILYF MSPVHHDIIIDIVTSELNFIVKRFR TLTGFDGEISIIIGHSLGSIVAWDI
LDHQKKNDPVQGIEPNLARDDDSYRYPQLDFQ TDSVFLGSPIPVFLMIRNKENPLTTAF
VLSGCPKVFNIFHPYDPVSYRIEPLLNPMNAEIEPDI IHWNGGFRFQYQTKRLWKKLVD
QTLRAEENVIHLSLESGIEALGLIDSTFTKDNPREDEKES SHVLQTGSLNGGRRIDYMLQE
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>comp10615_c0_seq1; 999 1 2328 LEN=2328; translated
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EQAVRGIAMTLEHALSKRTYLCGHSVSLADVALFAALGFPCALED RVRVAASLKDFPVAT
RWTATMAAHPALKKATQLVVGASGATDAEVRFT EEALEPLVTGMN LLEGAVPGRVVTRFP
PEPSGYLHVGHAKACLLNDY YARRYKGRMIVRFDDTNPSKEKEEYQQSIVEDLKT LGVKN
DVLTYTSDYIGAIHKYALRMIENGQAYMDDTPQE QMKEERANRLESKHRNQSPSEARALF
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VDSLEGVTHALRTTEYNDRDEQYQYLLKTLGLR KVR IHAFCRMNFQYTVLSKRKLTWFVE
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ARRFMAVDASANSTLTITNFSDEGETYISTSLHPKDP SMGKRPMKLS SKVLL EEVDAKDC
VEGENIVLLRWGVVKITTKSEDSKTLEGE LVPDGFK SCKRKF SWMAASGGCASI LTFEFD
HLVTKEKLEEGDNFADFVNPNNTIAT TSAIGDA CLKTLQEGDVIQLERRGFYRVDRP YLGE
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>comp10615_c0_seq2; 997 1 2502 LEN=2502; translated
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EQAVRGIAMTLEHALSKRTYLCGHSVSLADVALFAALGFPCALED RVRVAASLKDFPVAT
RWTATMAAHPALKKATQLVVGASGATDAEVRFT EEALEPLVTGMN LLEGAVPGRVVTRFP
PEPSGYLHVGHAKACLLNDY YARRYKGRMIVRFDDTNPSKEKEEYQQSIVEDLKT LGVKN
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VDSLEGVTHALRTTEYNDRDEQYQYLLKTLGLR KVR IHAFCRMNFQYTVLSKRKLTWFVE
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FLLLLLLHQLPNGSGVLRGVSIPALKKYIYSQGASRRVVMVWNSFWAENK KDL DVKAR
RFMAVDASANSTLTITNFSDEGETYISTSLHPKDP SMGKRPMKLS SKVLL EEVDAKDCVE
GENIVLLRWGVVKITTKSEDSKTLEGE LVPDGFK SCKRKF SWMAASGGCASI LTFEFDHL
VTKEKLEEGDNFADFVNPNNTIAT TSAIGDA CLKTLQEGDVIQLERRGFYRVDRP YLGEDK
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>comp10616_c0_seq1; 462 352 1578 LEN=1681; translated
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GIGGDESEPTCEDHVLLMLHGR TWSSVPVYHLLGGPLNAEKGLESRSLMEALHDKNIRVY
SMDFRGFGGTPADASGGVEPNRCMEDVESVLDWLAKRHGCKTPEKVS LMGWSQ GALVAQL
AAQRDKPLFSRLILYGSIFDPMVRFPRDPLYLRNPPEVEPLRNTFDAAIEDFTIEGTIPP
KAATYFADAALLADPIKAQWKHMYQFN NCDPARVHVPTLVVVG DQDPYAPLHVQSTLFTN
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>comp10618_c0_seq1; 245 252 1194 LEN=1408; translated
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LSFDRILLLAPXEYKDSKKQLKRHLKSAESTLRDVQATVQAVENDRGKFP HIDD SHL FDR
RSLVETSRSRIQHAKDEMSSDVV KRKVLGDERQKAIKASGDGLLGARTDIERQNTNFVMD
NQAQSSMLIQEQDETLDELGEAVTRVGELAEHIGEEIGHQNRMLDDLDQDMTNAEEELGL
VMGKMAKFMGTKDRW

>comp10618_c0_seq2; 321 252 1091 LEN=1305; translated
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>comp10619_c0_seq1; 831 83 2908 LEN=3619; translated
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NENVVEQATDNGVVDATPATIDFDVEAGLADTQQSVASVDSTACTSTAEENRRARKRVP
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GNESTWMVQGVNDILLSEGKHVIRVSTESNNSNGLNIDWLSLSFQKSMRFDYLDVLDN
DSNVTELSQSQSLALQWMSGEDTIDLSTLTNQEIERLALVDVYYSTTGDTWSNNNQWLS
EFHACSWYGVACSKDKLVTDLMLDNNGLVGRIPTSLSLLPNLILISLDTNSLEDEIPTQI
GILDNLRLNLYLHANFLTGPPISEFGSLTNLEILDRLANYLNGQIPEELYSMVGLSFALS
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>comp10619_c0_seq2; 757 83 2350 LEN=3738; translated
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AARRSGTTKKRRKKKTTTKTDEIASIVTVDATGKVVRKRRKIKGRHRVVKQEFIKKGD
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>comp10619_c0_seq3; 757 83 2350 LEN=3836; translated
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>comp10619_c0_seq4; 828 83 2893 LEN=3717; translated
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EFHACSWYGVACSKDKLVTDMLDNNGLVGRIP TSLSLLPNLILISLDTNSLEDEIPTQI
GILDNLRLNLYLHANFLTGPPISEFGSLTNLEILDLRANYLNGQIPEELYSMVGLSFALS
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>comp10619_c0_seq5; 807 83 2824 LEN=3825; translated
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AARRSGTTKKRRKKT TTKTDE TASI VTV DATGKVVRKRRKIKGRHRVVKQEFIKKGD
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RPSQPPISAPTSAPTTIYGTSSVSCQQPERKSGVQIQEAEYAPEHFGNTTIGNENNGYCG
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>comp10619_c0_seq6; 757 83 2350 LEN=3944; translated
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>comp10620_c0_seq1; 588 1 2235 LEN=2374; translated
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>comp10620_c0_seq2; 436 48 1337 LEN=1476; translated
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GEMVESGIWAVKVL SIDTEATIPYAKVAVYNSKHDFDEPMVDEARSQMPFPPTAPLPITK
RATKNPTPLPTRPTPIHNTHP IHSP TSPSPNPTKDPTFLPTSNPTNGSTPFPPTKDPHT
LPTDPPTKVPTSLPTNGPTSSPSVTSSDLVIYEVFPNPKRENDKDAEYIKLFPSTVATV
SLSEYQVYDSTSNRYSVLTAKPTLGPREF F ILCRNKRWFDDVESVIPSGASDGCDDQGHF

LLHDLRSTIILQRQEGGEHEDIDSVQTVDARDHGDKIYARLSDNVNAETECATCFDWFPA
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>comp10621_c0_seq1; 397 61 999 LEN=1206; translated
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GVTCDFFGGIGVLVEENVTI DDDSVVIWNDDEYYTTVI INEGLSWVWITIYVVVGTIAGSI
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VDGNKSTKQQYT

>comp10621_c0_seq2; 712 260 2443 LEN=2650; translated
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LKDSGAVNSLRPLIGDFQFIPYGPYLNCGWDGGLEYVDKVLWDWAYSNGLSVLLDVHAMKD
SQNGFDNSGQTLGFQWTTQIGFEYAPSTTFEHWPMRTANWMGEFDYKTNSYPTINRANVE
HSLNLVQLI IDRYKNHPAVMGLEPVNEPWEHTPIEELKRYWEGYLVKVKKEAPYWRVYMH
DSFRPTPDVWGGFMDGCPDRAIDMHIYQAWRDPDSRLGFYRDACNQKRV IADMEREFGP I
IVGEWSLATDNCVMWLNDFNDNLPGFRLPCKYVKCADPYMGMDVQPNAPVDPTKPMQGP
YGTGQSGPSFGFCPVDRDWSKETSQSDPQTGRDWRAPPNIPSFLDDTDNVMTHLAAKKIS
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KRNI PDKPI RDAIHY INDVTNATEDARSVEGLSGKELRTSAEPLIEAFFEEGRKR
GVTCD FGGIGVLVEENVTI DDDSVVIWNDDEYYTTVI INEGLSWVWITIYVVVGTIAGSI
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VDGNKSTKQQYT

>comp10622_c0_seq1; 583 36 1055 LEN=1127; translated
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DAKMDG SKPISGGLSHCWPQFGPGEIQQHGFARNVNVSVVSQTDTTVELEMLPSDYTK
EMWDKEFA CRFTVELGDDELKTNSVKNKTSDDAFDFQAALHSYFTVSALENLEITGS
FEGKEFLNKL AGDGGEMQTEERSSITITEEYDRVYKGVNDPVLKDTGSGKALNVVNE
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>comp10623_c0_seq1; 277 22 837 LEN=893; translated
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DDAL RSFLESFSPSRMKKIVFTNAPESSANEILTLLGVLDLFDVAVLGTDFLESK
VCKPEPEAFTR VLRHLFPEDNENTCLSSFAVRNRSICYFEDSFKNLQAGKKLGFRT
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>comp10624_c0_seq1; 652 297 2207 LEN=2436; translated
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FAAKCLNIG LIEDEKIIETLREEIFIMCQSDHPDIIRLEEVYESEDQIYLIMNLLT
GGDMFDRLEEQSD YHYSEHRCANIVKQMIRSVRYLHANKVIHRDLKLENFLFDDP
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TYLLLCGDP PFGMDGEALSEVRD NILDCNLLFEPKYIWDTVSDEAKNFIRLLT
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GKGYITLSDLKELVCSKEGVMDEVC TMWKDGLTVECKQDRITFDDFKHFF
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>comp10624_c0_seq2; 567 714 2374 LEN=2603; translated
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GEALSEVRD NILDCNLLFEPKYIWDTVSDEAKNFIRLLTKNPAQRPSAFEAAH
DEWLISSAKADPLHSKPLNTNLIKNLMDFKEYSDLQKILLEIVSFTLVPEQIK
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NTKETT IHWHEFIAAGLSRCDFFDRNLRLAFNRMSD GKGYITLSDLKELVCS
KEGVMDEVC TMWKDGLTVECKQDRITFDDFKHFF TGHDRSKREIMGDLR
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>comp10625_c0_seq1; 320 310 1589 LEN=1589; translated

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CDSPDTATKETECGVCDDGKPSALEESACDSVSGTWKKG I WTSAGATWSGAEDPFIGQSH
SKI IAGTSDEKASDYSCHDI I VDDHLAQCSGDAAECSAAFDGIQEDSDRIAENCPNGCVF
TAKVKGPKNPPVAHAPDIKLPGWDPAQSGACRGGADFSGKVNKGYSNTAGADGGPPTQLE
CAEGCLAEENCVGYAHSTAWCVIYGPDVHLGIGTEEGMWTDPNHEEITITGTKNVNIAYL
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MHSNDVK

>comp10626_c0_seq2; 703 99 2072 LEN=2340; translated
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WKDDASTDTNNNTDSSDRYCSGPQGFYLSVRTFDGLEPEEEANAVQAVFEELIRRRILVN
PVTDGVDVLDTAEQPARPASV GASAVPSLSPRLYQLVMPFDAAWSSDALAQSFRTLP
GVCKGKAGGGGDDDRFFGWSAQEWSDFLVGYRGGGGALGTGKTPSQQHPTFNKIMWWTWT
ASTKNGSENSDGATNLGLSFGIQYQTMVPAEDTDWLPDAFASEETPRCPIGTRASFVLP
TEEKAHTGGYRLVPM TASSD SHSEGTSEETPQFAYQVNV DQVLRHHTNRGRFESSIETK
PLDDAVSSGGNHCR LTYRQVLPDFLAPMWRTLKVVSGESTGANQYNGNQHTSDSRLHASV
EWNHEDQSSVLYVEAASGTLSDPSALPPNIFVSLEYAPSFLTIDDFPGDPNRGRVLP
VAVRCDPFFVAGSAPVTPVTVVSNALLLPPVPDL SMPFNVSVGSSVYAYCIGAI V TLLV
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>comp10627_c0_seq1; 638 108 1742 LEN=1976; translated
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PSDEPSQEPSTSEPSGSEEPSMRDTNVDTSVEPSVMISTETIEVEGRTDDSEDETIGADK
T ISETICDEDKAGTWGNLCAALKASNLFQIMGDERGQYTLFAPTNGAFDAGDYTLEALLQ
DRGALRDLMSIHIVPLALS YDALTCNLNSETLNFDRTYTICMGDTKFQTS DGNLLRNL
LPV IDQSE DVVTKNGVIHSISNLILPFEF SVGNHIDTESPENDVDITVDINNQNVDNGS
I ISS DVMSDVVESDAVGEDKNDTDVSDTSSDVVGSEEEVEEDNNDTDVSDTLSNNSM
DGGDNLAF ECQVCKDQELCAISRSAVMRIPGEGKVSCISVVERQNTGRLNMLPSICNSIQKQ
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>comp10628_c0_seq1; 1593 157 4032 LEN=4095; translated
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APPSLPSGKSVSSSARGSMSISLQLPRDQSSLGVPSTSTTTSCDGI PVAPSLCSNGSDD
FDVAVDAKTLDDVNAFLNRLGVGELRSM SVDSNNSNAINA VDSIENLRAASADSLVDEDK
VSSGEIDQETLAEISAYIDAATKKSEKREEINEQESP IYERLEDVQSCNDPPSMFHTGIS
GHKDDPPAASPQAEAVYTEQSEKVNPFLLDSYREEEPHKNSQATLVNSIVAE EEEATQEGT
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MRE FALPAVASYEQESVYGP DGRKEPKGTYEKTGVEVEKLPVSNVGV EQNMMNSDMSV
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VSGPRP SNKSRNVASLFD DTSIQASEAASEFKNGESFVSEVRSDD SDEKSYEEEDID
DDEENAVQ TSDSFEGNGCLVDNILYNDYVPEDDYALQRGTS DGI FSSDTEASG
ISDRVRLNSTESG EAGISEQESIEVVDKYGVCDDDEVGDPTSSQVEDEEDREIAQDP
SGEMAGFVSSPIKASN VATATD TETNAKAGEHEGKIEQNNSFLRQFEDLDLSEEGE
TDQSLEPDNSLDHQNH EIVE DDVPDAMSPAALISYFYTIDARIFKGEDEKLVKGF
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GWEWQEATWLSPPGGSNLSGVGIDGVAIGKGVSNLLFT KKAFFLARKTCKIPYKRRV
KPHAGYSIDIVLSLQESAVNGEKNV LKDETPWELRNVRQRF LHERSLTFSRNWF
GTLVKTSGNDRIKAPVCKPKSMEMP MRNIPDPGDWTP EWYTSWGGTL GSGSDSEYD
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>comp10628_c0_seq2; 1593 146 4021 LEN=4084; translated
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FDVAVDAKTLDDVNAFLNRLGVGELRSM SVDSNNSNAINA VDSIENLRAASADSLVDEDK
VSSGEIDQETLAEISAYIDAATKKSEKREEINEQESP IYERLEDVQSCNDPPSMFHTGIS

GHKDDPPAASPQAEAVYTEQSEKVNPFLLDSYREEEPHKNSQATLVNSIVAEEEATQEGT
EEEANDDKSRESHYTETSFAASMRNTLSTVEEVFSAEAEENEVEFEFSAPEKEVNQMR
FALPAVASYEQESVYGPDRKEPKGTYEKTGVEVEKLPVSNVQVEQNMNSDMSVISTDS
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SNKSRNVASLFDSTS IQASEAAEFKNGESFVSEVRSDDSDSEKSYEEEDIDDD
TSDSFEGNGCLVDNILYNDYVPEDDYALQRGTSDFGIFSSSTDETEASGISDRVRLN
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VATATDTETNAKAGEHEGKIEQNNSFLRQFEDLDLSEEGETDQSLEPDNSLDHQNH
DDVPDAMSPAALISYFYTIDARIFKGEDEKLVKGFKRLMMPVIDGKKPTIIIEAQ
ALKADIPLAFVDAFIDHVKDDHPDVAPKKSEEDDPLLSIGWDDIEEVNEDEAIAA
KFGANAEVENTKARKKHKHDKKSKELMGTGRDYDPDDDIVTSAIEPDFMKTSEDE
EYNESETIDSDSKGSTHESKENTIGNAEQIAIECPDTIPKVVQAIKKQEIIEPDM
ACKSIESFDEEVWQRRAMATYGWEWQEATWLSPPGGSNLGSGVIGDVAIGKGVSNL
KKAFLARKTCKIPYKRRVKPHAGYSIDVLSLQESAVNGEKNVLDKDETPWELRNV
LHERSLTFSRNWFGLTKVTSGNDRKAPVCKPKSMEMPMRNIPDPGDWTPWYTSW
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>comp10629_c0_seq1; 254 289 915 LEN=1085; translated
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>comp10629_c0_seq2; 237 1 1130 LEN=1300; translated
AFDCLACPQNI FVXFLKVAHSVWSNNGFLSVSNTENPLLIGSIDFAGSGVVHVTGGAT
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IDKAGEVAVAAVSTALS GAAGGITALFTNLVYLFVERFTGEPYF SILHAMNGSL
SGCALVEPWAAIVIGMISGWIYIGASKLLIRLRIDDAVDAIPVHMFNGI WGV
PRMEMPYSGSSEYPGLFFARGNENAGNLVGCQVTLVVFILGWVGTMPFFIWLNYK
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>comp10629_c0_seq3; 454 183 1772 LEN=1942; translated
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ASAGLSPSFWFFEYTF SATSVTIVAGTLAERCQMVAYLCYSVALAGFVYPVVAH
GFLSVSNNTENPLLIGSIDFAGSGVVHVTGGATALLATIILGPRRGRFYDAQGD
PFPGHVALQLLGTMLWFGWGFNPGSALILGIDKAGEVAVAAVSTALS GAAGGI
FTNLVYLFVERFTGEPYF SILHAMNGSLGSLVAVTSGCALVEPWAAIVIGMIS
LLIRLRIDDAVDAIPVHMFNGI WGVLATGLFASPRMEMPYSGSSEYPGLFFARG
NLVGCQVTLVVFILGWVGTMPFFIWLNYKGLRADSLEELVGLDISYHGRSPDDST
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>comp10630_c0_seq1; 883 1 3079 LEN=3079; translated
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GPIHPESWGKMFVLYRLMREMRKPGNGGDKIVIISNYTQTLDLIGRMCRENSW
SVTMKRRQKMFVDEFNDPTSSLVAFLLSSKAGGCGLNLIGGNRLVLFDPDWXSN
LKGGRNMLLTNAPRRSVFLLTNSRNPAVDKQAAARCWRDQKKRCFTYRFLATG
IFQRQLSKEGLQSVVDDKEQVNALSTKDLRNLFLKLRSDTPSDTHDKLKCERCK
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KRLMVPEEQNGKGIQSYKSVSNVSKDVNRIFSNVMKVWSPGDDPIADAAGRLH
QELVPLMTMTPDEKREDGVDEEISTDLMEGC SHLKNERGDDYQEIQIGMPDEEN
HHHTTDTVDDPIFRAAMRGYDSVSFVFGLEVTWGKIQQRQEEEDRAAMKELEEM
AEEESGDESKAAQMSDDAKDAGVGEVDDLMAVENAEGTTSMDNDELVEATKEDMA
DSPQMDRDGNSGTPAQIIESPGSDVSNSSSTVEFLSMCSDENDGPRQRTSPRQK
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FENTAR

>comp10630_c0_seq2; 971 1 2974 LEN=2974; translated

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VGRLTKYPGCCDLLVCDEAHLKNSENQTSRALNSLPVKRRVLLTGTMPQNDLTFEAMT
DFTNRGVLGTQEEFRKNILFPILRGREPDASPRQKQRMMEIQNEMSSTVNEFILRRINTV
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LVAEYDETHGQKQQNGRRRAAAKQVKYTDGDEPSFAAPGADGISKFLPLSSGGGGRNQ
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RCWRDGGQKRCFTYRFLATGTVEEKIFQRQLSKEGLQSVVDDKEQVNALSTKDLRNLFKL
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KVWSPGDDPIADAAGRLHSHWVGQWQELVPVLMTMTDPDEKREDGVDEEISTDLMEGCSH
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EGTTSMDNDELVEATKEDMAASVGDSPQMDRDGNSGTPEAQIIESPGSDVSNSSSTVEF
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>comp10632_c0_seq1; 157 507 971 LEN=1045; translated
MKNVIPIVMAGVIGIYGLIVGVIIGQSITTPSTERENSYSTFSGLAHLAAGLCTGCSGLG
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>comp10632_c0_seq2; 191 121 698 LEN=852; minus strand; translated
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>comp10632_c0_seq3; 252 70 705 LEN=779; translated
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>comp10633_c0_seq1; 817 94 1683 LEN=1867; translated
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>comp10634_c0_seq1; 804 90 2519 LEN=2826; translated
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CNGVVPHTLPPIFVSYGIDSTAKLWRSTTPVDSEVDDGAVGRRKHFRMTQERSYKMTPTV
RSCERVREILEDLNSRDNTDSEIFADQIPCENFVRLVVRVIPLEYSRASSRNPTGRQGIPI
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LPWLMEGHPTVDRTEKIMDGS AEDRNVDRESELVPEYPSDWIPYDAEMSNDPFHFRDNFCG
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ARKQAKLALAEVSPFCDPQRNENQESLDEALAKAKACFRLGSAQYELGDYHDSIASLEE
SIKSTSEISKSDNTPDLSVLKRLALAKREYMKQSKRQRKFKFAFGQSTSESPSKLDSE
SATNSGRQLKKESTCAQELSPTPSQLPVADES LASIEGANLTVPNPMTQAIPNSVTPMN
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>comp10634_c0_seq2; 1051 249 4223 LEN=4530; translated
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DDDSGSEGFYEFRLNNYGNINDEEDLSSDEEPLERRNKCHYRPSMRHSGCINTAAWLTS
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TPFSSSYNVEKNFYKCKERWQSMYDARRTCGEEGDACGNDYRAPGTVRLLTTVSTGHRGN
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IDSENPLAYYLRNSSGMCFSHVMLDGNNGLLCSEKGLLRFDLRLSPREQCTNSLLPVTA
RSSRSILRTVRACKACAVLPTSSGGDSGNLFGGETSTYVVFAGSSPSVALCDLRMTATPAQ
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PRDEYICTGSDSGHAWVYEKATGAVVSFWKADESTCNGVVPHTLPFVSYGIDSTAKLW
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DQIPCENFVRLVRVIPLYSRASSRNPTGRQGIKIGNDLHNLDPALKANSSAVIRSLFED
NDVPVESDTEDFKRRVSLIRLRHQADSLGLTWNPNLPWLMEGHPTVDRTEKIMDGS AEDR
NVDRSELVPEYPSDWIPYDAEMSNDFHFRDNFCGKYNFYNDFYRDRYYALDETGF SNE
GGDDTTS GDSDEVDYNNETTQRDEGNMKTRSIKEEESSEGKDELDERDDDEEGTKD
DENS DASNDFTRNSNRI LAETVKTLKDGGAFAKAGKGLAAYRYDKAIQYGFVAFMKSR
RRGILRFDSLLKLNLMTRNLIALVLLNEHFMELOVARKQAKLAL EEVSPFCDPQRNENQE
SLDEALALKAKACFRLGSAQYELGDYHDSIASLEESIKSTSEISKSKDNTPDSLVLKRLA
LAKREYMKQSKRQRKKFKFAFGQSTSESPSKLDSEATNSGRQLKKESTCAQELSSPTPS
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>comp10635_c0_seq1; 428 319 1620 LEN=2729; translated
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LPSSSHPEATQRPPSVTLRSNGTAGVRPRQSHATQRPPPVT PRSNSTSSVRPRQNRDVR
RPQTTQSRSRNMKGATQSLAKETKLLKHLRDLVLDVFTETVVSVEQSRATKLDLRAERA
QLLARVRVLEIETVHQAAELEDSELLIEMEERRVLLTKEVTVLKQKCYSLAKDVVILKK
SLEAYKQHQIPNKMDSAEKDKLIIENKKLAFENKSLKQELSAKESIHELGSKLYQAKM
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GKKGSPNTGKTRT

>comp10637_c0_seq1; 742 107 2968 LEN=3412; translated
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VGKWWAIWIIVLHMQLRLSISTWYIKSTSTVGF AHRWSLRKMC SFVTIFEVSMCGIVYPL
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DMYREYRPIYWTPLGEEGSLQDGTNRVLYCIFLYLNFVFGNLNMCILSLISHFGPWPPG
LSLPENC DGLDATECALPFP SFHMRD ETKSYTGWRVHLKGM PPLRGGVPFHPKFLNDLD
GFSTMGPILFYIDGLKEAYENQEENEHEIQGPENISLSVTQKSITVLVDISDASLVH HSA
EIDYLDPNHPVMMYPAEPLKHNTHYAVGVISARDKTGRQLPPTQGMVDMMKAKH SKTRM
RFVNKVI PAVDLAVPWF SFKKDPQSLQLLDFDVTASEASQLDPVRAARDIALEHVADWNW
DDHARVVSTEDYDCDGDSPDIARTVHLSLDVPSLLYQESRYSFLDPRKIERRHAVA FGE
AKAMVEIPCSLMKETLDEGSGKLR AIVEFGHGLFGNREEMKDGFLRRMGNNNGYITMGM
DWRGMSRVDLP I VIRT LVGNPDLFQAVRDNLIQGFANKICLQHF SQNGMLRLEAFKFGGT
SIPTLNHRPPTS AFYGISQGGILGGYMSVIGTKLIDRGILGSPGSPFTLV LTRSLDFG
SYDKLFLKNFYNNRHRVRIALALMQMAWDSTEASGFQARPVLEPVPRLLIQAGLGDAVPT
IAAESLARAMGASLLPGSPRSVFGLPTE SAADDDKWI GPKVTLS ELLYEQEYSSLPIDND
YFSAGSHDTLSEN RVHFC LRWDSAMIEQIEEFVNTGRVIDPCRNDHCQRETCS

>comp10637_c0_seq2; 719 107 3072 LEN=3516; translated
MDGQKYSQVSATGDENEDAIELTGVSLKNRSFDEEDGEDHSLTDQFSDVDYERDDGLEN
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VGKWWAIWIIVLHMQLRLSISTWYIKSTSTVGF AHRWSLRKMC SFVTIFEVSMCGIVYPL
ICKIITDAFFRDVDGAI IAEWTKETRFMVGVVMGWLVALRCCIGLPCIAIRVMKYKDP
DMYREYRPIYWTPLGEEGSLQDGTNRVLYCIFLYLNFVFGNLNMCILSLISHFGPWPPG
LSLPENC DGLDATECALPFP SFHMRD ETKSYTGWRVHLKGM PPLRGGVPFHPKFLNDLD
GFSTSKXLVMNQLCTRQKEEQTKSIFSLSTEINLLYSMIVGPILFYIDGLKEAYENQEEN
EHEIQGPENISLSVTQKSITVLVDISDASLVH HSAEIDYLDPNHPVMMYPAEPLKHNTH
YAVGVISARDKTGRQLPPTQGMVDMMKAKH SKTRMRFVNKVI PAVDLAVPWF SFKKDPQ
LQLLDFDVTASEASQLDPVRAARDIALEHVADWNWDDHARVVSTEDYDCDGDSPDIART
VHLSLDVPSLLYQESRYSFLDPRKIERRHAVA FGEAKAMVEIPCSLMKETLDEGSGKLR
AIVEFGHGLFGNREEMKDGFLRRMGNNNGYITMGM DWRGMSRVDLP I VIRT LVGNPDLFQ
AVRDNLIQGFANKICLQHF SQNGMLRLEAFKFGGTSIPTLNHRPPTS AFYGISQGGILGG

GYMSVIGKTKLIDRGILGSPGSPFTLVLRSLDFGSDYDKLFLKNFYNNRHVRIALALMQM
AWDSTEASGFQARPVLEPVPRLLIQAGLGDAVVPPTIAAESLARAMGASLLPGSPRSVFGL
PTEAADDKWIQPKVTLSELLYEQYSSLPIDNDYFSAAGSHDTLSENRVHFCLRWDSAM
IEQIEEFVNTGRVIDPCRNDHCQRETCS

>comp10638_c1_seq1; 692 1 2131 LEN=2186; translated
XSVAAMGPVRSPLARRIRAAVLERGPVLAGIAGLMASHHANAPPVHGGKGTGRSSSGF
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GRRNRKRRRRRTKTESPLDSVAEKVDCPGLEDARDSDSALMPPPTNRRSRRRSQTTPGAGD
ELSFSCPSVAKEPLPSRTKPTQPSGGEWGTEDESSVSEALTEETSVMASRISQKVDEL
ARVCIENSDASYAEKNCPVGGDFFPAGDRPWTTTVCLESITRILTGKELNGKTSCLLEEEA
SEGTKGGGDESDGADDENGNVYLVTNRLVGVKSGVIPILTTAMSETMAAATKLVFPETV
WSPENDKSSEPTGEEENLWRYCHIRLQLLASLIDEACFFSDQNRFFCEEDPFSFEDQKK
GMIYYILVFLHRCSCGDLNRVDQKRSETMSLALRSLTSLTHNNPLAAEQMSNSNDDLCAE
GINVLANVVFHLEDDSLSSNKRKRTGPTTNLHGKAKDHDHMYDGTIFCLTTLANIIEGS
GVRRLIEIENIGLQSGANRSWLQWLCQWIVNQTESFRHEILSIGCKSERSSSKGIDTAG
DEDGELLKHEEMLVAAGNGCVVLACLMEADNDDESSAHIRKLVENEMPLDPGGNSSR
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>comp10639_c0_seq1; 306 118 1643 LEN=1853; translated
MDSARADVAQPITPKAGEQSTKVDFAFLASELNMSVEERNFVFEEIHGVAQHAVEELSI
QKLNRSLLLLSEALYDIKNKPAYDEAQRIASEEGHSTFVNDRSYRLKFLRAECDFPRKAA
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LGLDFISNEQIVSIHGNNMREFIFILRHNLCLTIHFNGALTLNSKLQWLLNXMMRTILY
IFHCLSEDLQKRGIVMISFPSINFDPSTISNPKAKRLILECLDSTGIRISANHVCFPD
TPWFRALGGLYMMASSQYIRVTRRFHYGTIECRYKMSFGIESGQLPISNHGTIKTQNK
KKWIAAYRKMRLDIEEGEEDSIVATFCPSTNDVLAIGGTHFYKFMGNIRYRDILES
NLHHDYDNASSVHEKIYITNKVLRTEERGGFRFLAKDNNGWWTPTDKEAARMKISNAFRDLRKS
MRARENKRMSDTHKFSETRATKFTSCI

>comp10639_c0_seq2; 263 118 1635 LEN=1845; translated
MDSARADVAQPITPKAGEQSTKVDFAFLASELNMSVEERNFVFEEIHGVAQHAVEELSI
QKLNRSLLLLSEALYDIKNKPAYDEAQRIASEEGHSTFVNDRSYRLKFLRAECDFPRKAA
ERMVRNLDILYRYIGRKGCRPICIGDLDNAVAIMESGSFQLLPFRDRSGRRIGVRIGP
LGLDFISNEQIMMRTILYIFHCLSEDLQKRGIVMISFPSINFDPSTISNPKAKRLILE
CLDSTGIRISANHVCFPDTPWFRALGGLYMMASSQYIRVTRRFHYGKNSSFLYYPISHEI
LQVISVVELDXNGILSIYNIASFPGTIECRYKMSFGIESGQLPISNHGTIKTQNK
KWIAAYRKMRLDIEEGEEDSIVATFCPSTNDVLAIGGTHFYKFMGNIRYRDILES
NLHHDYDNASSVHEKIYITNKVLRTEERGGFRFLAKDNNGWWTPTDKEAARMKISNAFRDLRKS
MRARENKRMSDTHKFSETRATKFTSCI

>comp10639_c0_seq3; 241 1242 1760 LEN=1970; translated
MMSFGIESGQLPISNHGTIKTQNKKWIAAYRKMRLDIEEGEEDSIVATFCPSTNDVLA
IGGTHFYKFMGNIRYRDILES NLHHDYDNASSVHEKIYITNKVLRTEERGGFRFLAKD
NNGWWTPTDKEAARMKISNAFRDLRKS MRARENKRMSDTHKFSETRATKFTSCI

>comp10639_c0_seq4; 384 118 1518 LEN=1728; translated
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QKLNRSLLLLSEALYDIKNKPAYDEAQRIASEEGHSTFVNDRSYRLKFLRAECDFPRKAA
ERMVRNLDILYRYIGRKGCRPICIGDLDNAVAIMESGSFQLLPFRDRSGRRIGVRIGP
LGLDFISNEQIMMRTILYIFHCLSEDLQKRGIVMISFPSINFDPSTISNPKAKRLILE
CLDSTGIRISANHVCFPDTPWFRALGGLYMMASSQYIRVTRRFHYGTIECRYKMSFGI
ESGQLPISNHGTIKTQNKKWIAAYRKMRLDIEEGEEDSIVATFCPSTNDVLAIGGTHFY
KFMGNIRYRDILES NLHHDYDNASSVHEKIYITNKVLRTEERGGFRFLAKDNNGWWTPTD
KEAARMKISNAFRDLRKS MRARENKRMSDTHKFSETRATKFTSCI

>comp10639_c0_seq5; 268 704 1459 LEN=1669; translated
MISFPSINFDPSTISNPKAKRLILECLDSTGIRISANHVCFPDTPWFRALGGLYMMASSQ
YIRVTRRFHYGTIECRYKMSFGIESGQLPISNHGTIKTQNKKWIAAYRKMRLDIEEG
EEDSIVATFCPSTNDVLAIGGTHFYKFMGNIRYRDILES NLHHDYDNASSVHEKIYITNK
VLRTEERGGFRFLAKDNNGWWTPTDKEAARMKISNAFRDLRKS MRARENKRMSDTHKFS
ETRATKFTSCI

>comp10639_c0_seq6; 292 63 1334 LEN=1544; translated
MXEIHGVAQHAVEELSIQKLNRSLLLLSEALYDIKNKPAYDEAQRIASEEGHSTFVNDRS
YRLKFLRAECDFPRKAAERMVRNLDILYRYIGRKGCRPICIGDLDNAVAIMESGSFQL
LPFRDRSGRRIGVRIGPLGLDFISNEQIMMRTILYIFHCLSEDLQKRGIVMISFPSIN

FDPSTISNPKAKRLILECLDSTGIRISANHVCFPDPWFRALGGLYMMASSQYIRVRTRF
HYGTIECRYKMMSFGIESGQLPISNHGTIKTQNQKKWIAYRKMRDRLEEGEEDSIVAT
FCPSTNDVLAIGGTHFYKFMGNIRYRDILESNLHHDNASSVHEKIYITNKVLRTEERGG
GRFLAKDNNGWWTPTDKEAARMKISNAFRDLRKS MRARENKRKMNSDTHKFSETRATKFT
SCI

>comp10639_c0_seq7; 241 1058 1576 LEN=1786; translated
MMSFGIESGQLPISNHGTIKTQNQKKWIAYRKMRDRLEEGEEDSIVATFCPSTNDVLA
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GWWTPTDKEAARMKISNAFRDLRKS MRARENKRKMNSDTHKFSETRATKFTSCI

>comp10639_c0_seq8; 241 933 1451 LEN=1661; translated
MMSFGIESGQLPISNHGTIKTQNQKKWIAYRKMRDRLEEGEEDSIVATFCPSTNDVLA
IGGTHFYKFMGNIRYRDILESNLHHDNASSVHEKIYITNKVLRTEERGGGRFLAKDNN
GWWTPTDKEAARMKISNAFRDLRKS MRARENKRKMNSDTHKFSETRATKFTSCI

>comp10640_c0_seq1; 477 1 996 LEN=2117; translated
QQQQQQQQEQAPPEASAVHEEVLSELLARLATPPVSPRKAGTADDPSTATKTTAGTQESL
MPSPSSLPVQTTVRPEAPATPPAENDGAEGNEAEHSEALAAEDDDAKGNEALVAPEEDE
TEVLVIAECEARLSKARQEEFVSKHEHFVDLKVQKEVLVEDIANARANTTPNRTALHIERL
EGYKEEVETLLAQERERARQIAELDEELDGLAEVCVKLEDPEREFRRKHEEHRRTLSDFG
KQARCHTERFRKLLGSIERGIEEHRARVLGDSDDADSNADPSRGGAGSNEDGSTDAETI
QKLEFLLAKQNIELFNAKAKLRLREGPAAKG

>comp10641_c0_seq1; 455 169 1269 LEN=1269; translated
MNFCSSTVAVWLTAAANGSLATGQLRSPIPAIPPTFGPDPTPRAPRFGIQNPVPTPSSE
LTPFAQLMEGESRSGNNNNPNP INNNNNHLNFNHQNQHWPPTMYPTSYPYGSAN
VDDRPPPTMYPTGTDPKDEHSSNQHHGNHIFHDGNHGGYPYHPPPPGYQQQQQQYYYP
YPPYQHPPIERNIPPPPTMYPTTEAPPTPYPTIRQTPSPTDGYPPPPPKYPPPPRYPPPP
GYRYHPPPPPGYIPYNPPPPPPGFFPVNQVATTQLPTGQPTNGPTFLPTPNPTPLPTGL
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DNDKDDD

>comp10642_c0_seq1; 253 77 1015 LEN=1647; translated
MQSSISKYRITKRVGGSGFDIYLGVGANGKVAVKFEKHGARCPLRHEYKVYRELQNA
PGFAKVHYFGTQDSYNLMVMDLLGPSLEDQFNKCGRRFSLKTVLMVADQMLERVELMHSR
HLIHRDIK PANFVTDGGRGNFNFIYCIDFGLSKRYRHPRTLQHIPQREGRSLTGTPRYAS
INNHLGVEQSRDDLESIGYVLVYFLKGGLPWQGLKAKSATKKYKLIMEKKQSITIPALC
QGCPSQFAEYLAYCRSLKFEAKPNIAYL RGMFRDLFRSQGYTNNHSSLDWDWNRHESGSG
DRQDQGMEDGRY

>comp10642_c0_seq2; 195 1024 1834 LEN=2466; translated
MPSVAHEYKVYRELQNA PGFAKVHYFGTQDSYNLMVMDLLGPSLEDQFNKCGRRFSLKTV
LMVADQMLERVELMHSRHLIHRDIK PANFVTDGGRGNFNFIYCIDFGLSKRYRHPRTLQ
HIPQREGRSLTGTPRYAS INNHLGVEQSRDDLESIGYVLVYFLKGGLPWQGLKAKSATK
YKLIMEKKQSITIPALCQGCPSQFAEYLAYCRSLKFEAKPNIAYL RGMFRDLFRSQGYT
NNHSSLDWDWNRHESGSGDRQDQGMEDGRY

>comp10643_c0_seq1; 362 1 1560 LEN=1641; translated
XVKIAIVVVVSAVEIPSTHIKPEPNITSKISKNSLENLMEEIEELRERIKLLEENARLR
LDRESRLSRDDKRLEEKETVSMIEG IAGASEEGVYQGR LKPDEIKRYSRQLLLTG GFGV
EGQLKLLKSKVLVVGAGGIGSTGKEREEVACRIRIMTSEAKLKVVAMFWFIFLSFVVVIL
YLSASGIGNISVVDFDEV DLSNLHRQI IHKSKDVGLNKAESARRAVESLNP SVFFTVVDK
PLTIDNALGLISSDCVVDATDNPQTRYI INDACV I SGTPLVSGSAMGTEGQLTVYNYKG
GPCYRCLYPTPNLKEGSKSCADNGVLGPVPLIGILQALEVIKIITETNAVMSERLLMYD
SLQCSFMRIKPKPKQPLCPSCGTEPTITSMEE SFAASEMARGPSSCSVTKTRPDLPDALS
LSCEEYSRIRDRGDDHVLVDVRVEEQFELCSLPGAINIPLRSIPQEMEKLSDLAGGVKPI
YICRRGIASVSATNI IVENVKKYPKICSIKNITGGLAYW

>comp10643_c0_seq2; 414 1 1453 LEN=1534; translated
XVKIAIVVVVSAVEIPSTHIKPEPNITSKISKNSLENLMEEIEELRERIKLLEENARLR
LDRESRLSRDDKRLEEKETVSMIEG IAGASEEGVYQGR LKPDEIKRYSRQLLLTG GFGV
EGQLKLLKSKVLVVGAGGIGSTVILYLSASGIGNISVVDFDEV DLSNLHRQI IHKSKDVG
LNKAESARRAVESLNP SVFFTVVDKPLTIDNALGLISSDCVVDATDNPQTRYI INDACV
ISGTPLVSGSAMGTEGQLTVYNYKGGPCYRCLYPTPNLKEGSKSCADNGVLGPVPLIGI
LQALEVIKIITETNAVMSERLLMYDSLQCSFMRIKPKPKQPLCPSCGTEPTITSMEE SFA
ASEMARGPSSCSVTKTRPDLPDALSLSCEEYSRIRDRGDDHVLVDVRVEEQFELCSLPG
AINIPLRSIPQEMEKLSDLAGGVKPIYICRRGIASVSATNI IVENVKKYPKICSIKNITG

GLAYW

>comp10645_c0_seq1; 101 1 960 LEN=960; translated
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DTSNGLPDDFPREKCHVLVLCGNSTFGEDMQSDGWLGEIVSIDFSTVVIDQMEEVPEE
ENERKKGKQQQFFAPGSMRFVCADITEGLPFCDFNEFDLVVCKGTFDAILCSSGSVNHAKR
LVAECERVLAKGHGCFFLCSYGSPPDNRLVFLHQNPDPSYYWENIGVHPVARKNQNDYVY
ICRKKETNASENVVSRPLVVVTNEENMELPAGEPVESHKSQGPKPCAVSAPLLEAVTVQR
KMMNKLINFRPCCWIKNEMX

>comp10646_c0_seq1; 979 79 1650 LEN=1674; translated
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TICAGWRLATKVARETLESMSTDGITDDDLFKIAMTTLSKLVNSEKEYFAKLCVSAVKR
LEGGNLDHIQIIKLPGGSLRSSYLEEGFLEKSIGVGPQRLEKCNILLANTSMDDTKI
KIYGSRVQVDSLNVKVAEIEQAEKLMKRKVDKIIAHDCNVFINRQLIYNYPESLFAAAGM
MAIEHADFDGIERLAAVTGGQVCSTFDNPKVQLGYCDVIEEVMIGETKVIRLGGCKSGA
ACTIVLRGSSNHIIDEAERSIHDALCILAATLKHPKRIYGGGCTEVAMAQAIDKAAKETP
GKKAIAMASFALLQLPMTVADNGGYDAAELVTQLRAAHAAGKTSYGLDMNNGTIGDMA
ELGIMEAFKSKLQVVTSASEAAEMLLRVDDIIKCAPRRREEMM

>comp10647_c0_seq1; 254 1 873 LEN=922; translated
MSQQESHDMSEGGSHDSNQGSHDYSHDGSHEMSRVVTD SYSCSSSSTVSSYDESVVVP
KVDLKKMREKMRERTRMNACAALLHLSKECTVSEDCAKSTLLLCLVSCSMDVENPIHTK
CLEILANLTRFPHNRAVVAGFPDLFDTLMANGSSEVDADRCWTMRILQNI SADPSTKSRL
TDTPLLELLCTSMMPQYQEQQLAAASTVFNI STEP GAVVPLTNTRNVVATLVHIAHSPVS
VSELRTIACDALATLGLWLQTLGAGTVPEELEAGPLPTYVASGWKRWEK

>comp10647_c0_seq2; 1358 357 3326 LEN=3326; translated
MDSPKQLGRTHVTSPPSSKSMDSGTPNIMTEDEIKTLVRGAIRRARDAKKSFSRSPKRSRSG
DSGSSPIGSPVRSPMSPSNRSSSAALSPVSPSSTRGRPPMNSP SRASPKRSMIKVPSLG
NISAANKTEEATNSNKTRTTKTLADLRKEYNRSPSTPKQSSIARSESINTETKSLEMNP
SSTTNGQSIMSGITDDASSDDI IRRVEEEIANARKAAQEATRRLAGVSADFM TKKRNI
STTTGRSVDGTRVGLSITTKKSGKSFNGNNDDEELTAGDGATKSSVTTDSDDRFS
ALSVIGREFNGSKDMDARTFFSQMSGSGKNNAIISTSDSLADNDMVSCMTDERREDANGA
HDDYLALTFSAESITNTLSAANNLLNECESLLIDAKSFDDMAGDVVDSVKPKPHPATTA
PAEEQQHKIVSEHSDAMDVADLPSSSESSDLSGEESSDAKQESFGGSRVSEERALDTIDGQ
LETSSVIKTVISINRSQEVLSMDELEAVLTDERMAFDRDRSLMDVEALSDETESDHNEHE
AKEEESTSKSDVIVTQTNGSASPTIDDETSTNVVDET VASGENSTAKCHEEVVEKCRKEK
SEASANDKSKDAVEIKDEAALTVESTSVDTKQNEVPNTADSEESESNDKLEVDSTAQSRD
TDSMSSDEKRIALVVPTKSPASEDQVTDITSNRVRLTTRLLHNL SLERDENTSLNSDTNI
DSGESNNKKTTEPEGPSSIFLPKSVGEP IAMIIRRGKKVEFKQQYPEPEEMSEYRQPSEIV
ADFQIEKPIEKLQVLKPKKDLKALLEAATGSSIQRRSNACGALKVLSTQKNNQVTLVRTH
GFLDALVFAMSDNYSMADTEAGQAARSRAVNVVNLVNSTKKNRYHVLMLHPGLADALVKIM
LEDKAEARELACATLGLTAKSQHCREDIAKTENLVDTLATILKGD DPMFETEDKASIEE
PKTGYSEDDDL SREMSNDGSQDMSNQSHD

>comp10648_c0_seq1; 153 1 745 LEN=970; translated
EQYIIFLIMGHIVGGWDLSCTEISAEQRENLT KSKRISNPGCYPTGFIGLTRPLVDAGII
PEGTPLTVNAISGYSGGKGMMEFEDESQSTEPWAGYGFGLTHKHLPEMAKYSTLGRKP
LFQPQIATFAQGMVVSVP LHYDWLKEGTTGATIHETLSKHYEGSNFVSVMPLGEPGVKDA
GLLERGAFLRPDTLKNNTNMELFVFPNDEAEQVLLCARLDNLGKGASGAAVQNLNIALGL
DETTGLV

>comp10648_c0_seq3; 392 82 1152 LEN=1377; translated
MKLSIAAILVGAPSTLGFAPISLRSTTTTTTQLLAKHKV FIDGEAGTTGLQVRGRRIESRDD
LEIISPDLRDLATRKKFINEADVILCLPDAASIEAAGLVDSENDRTVLIDASTAYR
VDDTWDYGFPEISAEQRENLT KSKRISNPGCYPTGFIGLTRPLVDAGIIEGTPLTVNAI
SGYSGGKGMMEFEDESQSTEPWAGYGFGLTHKHLPEMAKYSTLGRKPLFQPQIATFAQ
GMVVSVP LHYDWLKEGTTGATIHETLSKHYEGSNFVSVMPLGEPGVKDA GLLERGAFLRP
DTLKNNTNMELFVFPNDEAEQVLLCARLDNLGKGASGAAVQNLNIALGLDETTGLV

>comp10648_c0_seq4; 235 82 492 LEN=523; translated
MKLSIAAILVGAPSTLGFAPISLRSTTTTTTQLLAKHKV FIDGEAGTTGLQVRGRRIESRDD
LEIISPDLRDLATRKKFINEADVILCLPDAASIEAAGLVDSENDRTVLIDASTAYR
VDDTWDYGFPGKCIAR

>comp10649_c0_seq1; 333 142 870 LEN=1220; translated

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KPVDRRNTDSRLSMDIVGVSPPEIHTAFS FATFGPQPFWLLMILLPNNQLTKKIMGRLD
LVIFFCLVHFFIVSASIVQPGATAPLLEFNDVFDPAKDSQA AFMNMVTNYPNFVAEEWPH
VLTWDLFVGRYIWL DGLKRGIFTSHSVLFANLIGPPGLLLHWVTCLVTGKGFGLNEALE
EE

>comp10650_c0_seq1; 641 1 1666 LEN=1731; translated
XFDRNANSTEFVLGPTLNKEKSDLSAMVKKKGKSKRTTLKDKYKIQRRVAETHRKRKKQ
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RDHQDQGGPCRTVQELMARANEDRQAFAAKQGGGSIAGATAAEKSDGRVAAGQQSRRAYL
RELKKVVESADVLLQVLDARDP IGSRIHKTLEDVILSKADKRMVLVNLKIDLVPKEVVGQ
WLNVLRRSHPTIAIKACKNISESEKDAATSSVPVGM DGLLQLLKNYARTGAGGGKSKTT
IVVGIVGYPNVGKSSIINALKRSRAVGVS PRPGFTTTMQEVVLDNRVRLLDSPGVVFDK
TALLGNCVDADSIDDPIPPVDALLQRCKPESLMMTYNIPAFPRGNTMI FLAMVAKTYGRV
LKG GIPDKIGAARSVLKDNQGKIPYYTLPPKDAAPDVAKGGAIVVSSFGAEFDISAFDD
QVLSLKESEDMDFVELINKDQEETERSKELANYLTNGDEDDNDMEEDSDDDMKDESDF
RSKVAQADDFDFNAM

>comp10651_c0_seq1; 323 335 1048 LEN=1114; translated
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EPQHQQDGGQKLKAANGQQGHRAANEMKDCAE EVTTRKRVGKALEGDQCCSESDIQSLRLP
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>comp10651_c0_seq2; 820 335 3296 LEN=3556; translated
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NALRCNPQIAVLKLGYNFNGDRGASMIASGCAKERKHHQNLTVLDLGFNNIGDAGCTSLS
MHMVAGNHTLRNLFSLGNHIKNKGAVALASAILHGCSLSRLHLSNNNIGEEGINVLVQSI
AEA EKRVQQLLHRQGGIKIGYNIKPVTIEEFNIDNVLMS SKCFETLSNMVVANSNLKNIS
LSNNNLDDSDLSLSKSLSQNKNIPLTSLILSFNKITCVGVECLMNAVWGSSTLKEIKLD
SNLMQDRGAQLCSVVLG SIRLELLDISFNRI STIGVKAIMKSLSENTSLKCLALCGVPM
QNASKAVSYALAYNQLSRFNIDSCSVGYSQRHIVAGIVSNRYTKLQRLTGFP LARKFA
NDVFIKSVRFQPATHDAIFIDNFLIVLAIIMTLGLPQLPEEWGNDRVLSFVRFM WTHWKL
TKTVEPTKEIDEENDLSRGPAPPSMVASSAKRAFGSLSKSEESRIAFQNELQNQIDDNPI
VSPDTSVLVRSLSGNNLQVPSWERQPSPTQENVEIEGEVERSEECWSSEMESLDQSSYTG
SSTLSFQ TAAAI EYERRHKNLTWLRSHLQTLNDIGNLPFDDGDLWQLHQYYFSPAYNGDD
NATLDMTESIEDHEENGIKEQAPAPAELESSNMGRAQSFRALENAVSEVNSPVQRPNKRS
SLGEELKFDQGNAKRAKNSRPR IAYYPRVKERLESKPSSKTL SLLRQLKYIENAMLEGRN
VYSFRDQEDDNFPTTTDVEMVLLDLL

>comp10651_c0_seq3; 857 335 3202 LEN=3462; translated
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EPQHQQDGGQKLKAANGQQGHRAANEMKDCAE EVTTRKRVGKALEGDQCCSESDIQSLRLP
QHERIQHVEPLDINRSTPASLKLREVLISRLKLILPTGRIQVIDLSRRGLLQDDAELIS
NALRCNPQIAVLKLGYNFNGDRGASMIASGCAKERKHHQNLTVLDLGFNNIGDAGCTSLS
MHMVAGNHTLRNLFSLGNHIKNKGAVALASAILHGCSLSRLHLSNNNIGEEGINVLVQSI
AEA EKRVQQLLHRQGGIKIGYNIKPVTIEEFNIDNVLMS SKCFETLSNMVVANSNLKNIS
LSNNNLDDSDLSLSKSLSQNKNIPLTSLILSFNKITCVGVECLMNAVWGSSTLKEIKLD
SNLMQDRGAQLCSVVLG SIRLELLDISFNRI STIGVKAIMKSLSENTSLKCLALCGVPM
QNASKAVSYALAYNQLSRFNIDSCSVGYSQRHIVAGIVSNRYTKLQRLTGFP LAPIIM
TLGLPQLPEEWGNDRVLSFVRFM WTHWKLTKTVEPTKEIDEENDLSRGPAPPSMVASSAK
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NVEIEGEVERSEECWSSEMESLDQSSYTGSSSTLSFQ TAAAI EYERRHKNLTWLRSHLQTL
NDIGNLPFDDGDLWQLHQYYFSPAYNGDDNATLDMTESIEDHEENGIKEQAPAPAELESS
NMGRAQSFRALENAVSEVNSPVQRPNKRSSLGEELKFDQGNAKRAKNSRPR IAYYPRVKE
RLESKPSSKTL SLLRQLKYIENAMLEGRNVYSFRDQEDDNFPTTTDVEMVLLDLL

>comp10652_c0_seq1; 557 330 1406 LEN=1624; translated
MRAQTAAVSAANA AVAAEAGAAKAGNSKKNNSNVFLDHLGKIFLMG IASVIATLVRSSY
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TLDASGGSPVRSSTTYKEFVRKVRTIMASRFPEHGESLTIQMGHFLDRLVVDILQQWAEK

QADSTDDTATTLGATLPEEEEEELPVALFWVALVAAMNGSVTDRIIRILHEIMLADQGGQAH
GAAAAPGVPLSAVRDVTGYLQETCQLPDPDTQIVPTGHKYPTQHFQRAAPIDLVPEDLCTA
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>comp10653_c0_seq1; 239 77 715 LEN=863; translated
MKLLNSSASMTMMMVGSSLLRSVAVGFGPARFSVAVGAANTTTQRSLFNRLFGSAPSSEYPI
MTGEETMCQKGHGTSEKPVQKDLRWNCYETADRICNFNRHYAEYAGYWESTAFLKSVKD
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>comp10654_c1_seq1; 678 1 1812 LEN=2236; translated
DQVAGNYWSNPINRMDRPPSGINRRGRRDQRERRFYEDDEYADDDYDDDDNSRSRRRPRRR
PREEPRRRKPSAPVSSGLGEPPLKLDLYDQLFWYGFADDDTADVGDKTAFGGTKGKFNNG
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DYERYNGDYRNRTRTSRRRNSARFDGEDDEYMDRRSGRRRRRQYRSSNNEWSPLNMI
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AMERVPPANVAVWGPAGELAMSAREKAFLLAQEDIEETARRKLNAMKQKSEAKDEISVLK
VDAERQRLKLEDAPMDRRSRRLDLEELRQTEMDIDDASRELRRCRARVERAVGVLEEELEQR
HYAIMSCYNVQASMLVGESLNEISSIPGSEAPTASAAAIGNTAEAEAGSDSSSPSESTS
ANN
>comp10655_c0_seq1; 330 522 2195 LEN=2412; translated
MTAPTGSRPWMVVHVGPPKTATTTIKKGLLEVAEKLALDDNVYFVGGIQSSRVVNVGVD
TEFKVYRNADTFPSNHESAMQSNFEEFSQALEGHLRNGHNVVISNDMYTHADGLDWDKLF
EGIFLKKNQTTSSANDGFRVKKVVGVDHFLRFLPSMYRDYLYKYPYLFADPDGNPREYANA
YIPGLIEFIESSLDVQYDHNVEASSEVSNSPATSATVTRNNDNPLYAQVKGTRFKQFKQV
LNGIHGSVWAYLKFMTPELSDAVDVFVLDLHVEVSAESILDVGHKKSVVTFVVCQALP
SADKTCMHLMLQDNTNTTETRNFPQEAETFRTSKADRRIITFPDMHRITQHARVVFRT
KTSLELYQSGRPEWDLYNALDEWFHDPLNPNRAQTFKVCMDSNLAAKYKSVSWKFLVQMA
LLTKYRHTLNGNTTANDSLFASSMPDRSIFQHEAAKDDTIEQDILLWLAQTKEEHRA
FDEYVGGTYDNTIKMCQLDVALFEDKEFVEYFYSNIQQRPARHKTKHIKKVAKKSGTLK
DEKLSKRTKNGTSMFIS
>comp10657_c0_seq1; 229 321 1295 LEN=1348; translated
MVKLDDIVTIPLIPDIESREGQDHYYMFPNTSSFEQPKGILLYLHSCRQSGLDFFTLPEH
RILALRAIQGMIVFSPTSQNRTSQCFASEGAEGYLEKVVNGFIRKHQLEHLPRVGLGDS
SGSLLSFVYRALNLKSI AIFNSPQGYDDEDMGVSAPTIVYLMSTDKSITDRMNSNMLKL
KNMNVSSYLYKVSPPFTESLCKARPELSGFEFCQHILQTMQSDYSNLLDTHSYVVDGDV
NSEQWQRCFEKLESYRTIPSTFTSLEDLVPYRKRKGNAMSIDTKSWLRIILEKEIQTC
HGFHAMTAQFHEEILDVFLVNAKI
>comp10659_c0_seq1; 699 1 1967 LEN=2101; translated
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TKSLDSSPFSNTTATIDGDTKAKPKGTDSDPKGTDSEDDKDYRTRLTKFYEKYNPSKIDS
VDANLKKYEGREEEMFRKLEAKYNPAAPAPVSAQFPPAPAGNGPRCYLEFSVEGDGETNEK
RRRRVVVQLYRDKAPLAADNFRCLCTGEVKTHTARNKPLRYLGSKVHRIVPGFQIAGDF
TTGDGRGGQSIYPPNSEHGDWAGKFKDEPSGFMNHSRKGLLSMANSKNTNSSQFFFTLK
AVPYLNGKHVVFGVEVLEGMVLEELSEVEINPKTSRPIRSVAIAACGAIDEETGVDLPSA
GSNDEKEKLEPESTPSTIPSVFGSTSPFSSKSVFGSRSFSGNSIPTSTTKTSVFGGKALTS
QATETAKTTPAFGTTATLGSFGSSKSSGSKGFGAFSASADSIPTFGKTPAFGTTATL
GSGFGSNKASGSKGFGSFAAASGSAPAFGTTANLGSFGGALAAASPSNGTTPSFGSTTT
VGGGAGGKGFAGFGSSAPTIVGGSPGFGGLAAAAASSKGTPPFGFGSAPKSGNNGSSPFAF
GESGKTSIFNGSQTTNGSDENDAQGASPFSAFSGGASSPRTGFSSFGFPKTS
>comp10660_c0_seq1; 327 206 1156 LEN=1326; translated
MSNTSDEIDGNHPGDDNDERSESMSPSHSVDVDRGLNLSASPLTAESDTPRFGNTDAEDVS
TGVSTSPYDPPPTNNTHIEHLARVRDIEHLTRIRDTFQEIETRAFTRTEQLLASELLDG
DHEEELDSRESSVATEEDHRDRLRASNVDLSQLDMQIPTASTEDDAETEFEPEYEPYEE
HLEIEILGRALESRYGSLGGEDETGVTRKIRCPICSAEFSDPGSRGNSPCLDHVRCSH
GAMLVFTTLDRCSICHEEQIESPNVALGCGHVLCKKDFLLGGATAASGKPDSDNDKDDS
DDRETDRHTTIATNAL
>comp10661_c0_seq3; 713 75 1702 LEN=1702; translated
MSSSYITIRDDTGIRLSVNERDFLRSCALKNADPGEEDDNDYEHNSNRDNSNKMLRCDGR
RGNDVRNVRMQLGRWDNGAECTVQWAGTRVTSLSAELVPPSPDRPNEGIMNFTVDISP

MASSSFKLAPAIISTGPGSGSMSVRSNHSQYQRLLSNRILRCIERIVLIGGALDTEALV
LQAGKWVWFVVALTVLDAGGNILDACVLATMAALKHYRKPQVDISEDESEGYEPSNVA
SLPTMIPSIIVKEATPLPLHHTPLSISFGLIPADDAVNSTSSVVAALIDPTDREELVQS
GSLTIAMNVHSEICLLDYGGGCELTPNKLRGCWKVAETA VKNLCQLELLETALTKADEQAQE
ERLQRLQINQNGGIPSLPPLPPADRNI PFLQETENEDDMEVDAEVDEAQVQHIDTEAEEA
YRKNALDYSSGHAPVSVREDGDAVRGAGQKFGNQAGSLLAAMLKSVGQASDATANKVGGD
NTGNGPSQKDTDGMAEASEGLKKEEKTITTTENSELAAPLNKSFCLQDKNFAGMDLDDDE
EEX

>comp10662_c0_seq1; 482 597 1910 LEN=2056; translated
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SETNLFWDSTASLVEHEAARLVDRLSLDAVEASQKAAIQIIQIVEYLDIPRELFGRHWE
EDLTNNEVAKYIVTVFGNYLSDVKDSLVSQYLYHKVVVALVRCTVCFYIKRFILKADRVR
YSIRQRRNRMKSQEFFSNPRRAQMRMTHDIEVFQKFFLDVSDGSKILQKIVADEFSVLDQ
LLECSIYALSRCGFENLEEFIIVVYKRS GAHADVTRHLLSDIFLLMNGEDKDRCVRRTI
QNLNEDLDKIKERIVERRNEHPSVQTAKANAAYFCLEEMLEASYNERIIQENMALCAGVG
KDIIELRKQITGSKKIH

>comp10662_c0_seq2; 514 239 1807 LEN=1953; translated
MENSKPLDGCSCARRYPIITIGIDSKNDQSSCILSVRGQEPKQMRFESETSIMQSFMIPD
AENSVMAFLQFRDNGARFVSSAYLMSSHDSFNNTSIIDGSIFTSLSEDFVFTLVNAQLTLL
DDFLESSKVSTTETGDGVVADALLSIFRIIRCKQIHYGRTSLFLHDLKSCIARANDYTKM
TRKTNNMQYISKRHYNHLTWNNAERSETNLFWDSTASLVEHEAARLVDRLSLDAVEASQ
KAAIQIIQIVEYLDIPRELFGRHWEEDLTNNEVAKYIVTVFGNYLSDVKDSLVSQYLYHK
VVVALVRCTVCFYIKRFILKADRVRYSIRQRRNRMKSQEFFSNPRRAQMRMTHDIEVFQK
FFLDVSDGSKILQKIVADEFSVLDQLLECSIYALSRCGFENLEEFIIVVYKRS GAHADV
TRHLLSDIFLLMNGEDKDRCVRRTIQNLNEDLDKIKERIVERRNEHPSVQTAKANAAYFC
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>comp10663_c0_seq1; 316 74 820 LEN=875; translated
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LRGFFDTEDESISYQSKAFHHLSEQVDVDSLNDKIVQYYALYCIYHATNGVANEITNADA
RFDNIAMPEWLIATNWKDVTVDVPCGTTFITATDVANETSLVTTLSESSGGWYGISCDT
EGRVVAIEIYENMLTGHPYEVVLLASDGPFFSTGAGNLDKLDLDFQNEFLSNNGDSSWISY
LGSNISEF

>comp10663_c0_seq2; 501 74 1504 LEN=1517; translated
MASLITSVSYTRIAILGIIYSFISLVITILDATTIVGAQTTDIEALRSRLASAIHGLNEDA
LRGFFDTEDESISYQSKAFHHLSEQVDVDSLNDKIVQYYALYCIYHATNGVANEITNADA
RFDNIAMPEWLIATNWKDVTVDVPCGTTFITATDVANETSLVTTLSESSGGWYGISCDT
EGRVVAIEIYENMLTGHPYEVVLLASDGPFFSTGAGNLDKLDLDFQNEFLSNNGDSSWISY
LGSNITTTILLEGTTGDIPLLPENLVNFNIGNAFFTGFTDENFMLLSQLNYLNLDGNL
FNTPDVLSELDPLEYLYLSDTLLTGDLSPLEGSPAIFKFWADGNPSLGGPLFSWLGD
MTLASLSLAYNNLTGSIPPEIGNLVKMEQMWLQFNNTGTVPTEIGLMTTLRHLELESNA
FTGFVHASICERTEFPLEILKTLGADCYDDNFCCPCCCTCNLTCVNGVNRALPGF

>comp10663_c0_seq3; 496 74 1342 LEN=1625; translated
MASLITSVSYTRIAILGIIYSFISLVITILDATTIVGAQTTDIEALRSRLASAIHGLNEDA
LRGFFDTEDESISYQSKAFHHLSEQVDVDSLNDKIVQYYALYCIYHATNGVANEITNADA
RFDNIAMPEWLIATNWKDVTVDVPCGTTFITATDVANETSLVTTLSESSGGWYGISCDT
EGRVVAIEIYENMLTGHPYEVVLLASDGPFFSTGAGNLDKLDLDFQNEFLSNNGDSSWISY
LGSNITTTILLEGTTGDIPLLPENLVNFNIGNAFFTGFTDENFMLLSQLNYLNLDGNL
FNTPDVLSELDPLEYLYLSDTLLTGDLSPLEGSPAIFKFWADGNPSLGGPLFSWLGD
MTLASLSLAYNNLTGSIPPEIGNLVKMSVDRYSFNLSFCHILQAKIVYFLIDLCSGSSFLS
KM

>comp10665_c0_seq1; 181 1 636 LEN=679; translated
XNVRGALVDFCPINTVCIFLCLCAKPKRYKFNSSLSNLILSFSYVPQKGNATAAVNISH
HFSSKLVS AKKGCIVFTSSVAGFIPTPFGMYGATKAFVSQLACSLHIELQSLGIDVCA
VHPSPVASNFYNDLDHKIDILESACKQAVPPEDLPDDIFRSIGCCALRDLGAMAWSSRMG
TFFFLPYNFFTEMFAAAAPFLPDWKTHNKTRS

>comp10665_c0_seq2; 197 1 510 LEN=553; translated
AVGTIATPLRIAMVEGIVSPSIFIRVFWVCAFGVWLLTTFASARSTFPFPLAFKAFVSO
LACSLHIELQSLGIDVCAVHPSVASNFYNDLDHKIDILESACKQAVPPEDLPDDIFRSI
GCCALRDLGAMAWSSRMGTFFFLPYNFFTEMFAAAAPFLPDWKTHNKTRS

>comp10665_c0_seq3; 487 123 1127 LEN=1170; translated
MSTTDGTCSSAAALAEAVSDIATPLWKVVILSIFAFPTAFWVVMYLIPQVYMAFRPVPDLK
KRYDATWSLVTGGGSGIGKALAFKLARQGLNVVVVSLDDDDILKATMKQLKETFPKLEFRS
VGVSFSPGIDYLKKIEEATKDIEIPIVFNAGFLVTGFFDQAPLGKLLANMECNATAAVN
ISHHFSSKLVSAKKKGCIVFTSSVAGFIPTPFSGMYGATKAFVSQLACSLHIELQSLGID
VCAVHPSVASNFYNDLDHKIDILESACKQAVPPEDLPDDIFRSIGCCALRDLGAMAWSS
RMGTFFFLPYNFFTEMFAAAAPFLPDWKTHNKTRS

>comp10666_c0_seq1; 546 202 1719 LEN=1813; translated
MSGSTRQTIIVTVLFLWSACLAPLSMAAQKQPEEYQQRLLVDWLLLEDPTSFFHPSIRFRRLG
PDGESGPYAYHATEDIPKGTPLIVLPRKYVIESHQVVEIGRNPGRDCVTVQKMLEEYEK
VKNSKKDPSTPSSFYEPYLSYLFDDTVGGTSRGLLPTTWSPESEKILELILEPQGDYYTL
EPEIFEHPFVSTYCPENKLFQFSILQDDGSDNDDDDDKSLPVLTKVLLDGNTTARIPL
PTPPTIVLVSHDKCRDEKFWYEMGHFYRNTISGIGPDKACFFRERPHQDANDAAAPVFQY
EPSVMEHAQKFNWVHPWTERPEREFFATHPHQRRKASAAALAPFESVLDEILFLKCTVG
VDGVFSESVDVAVRALGLACPTAQXASERRSELHKEQRHKHGPLPVLSSGLRNAPPARA
RNPLFLRARDPGPPGAEVLLRAFPPEPGKGAPAAAGPADPREAALAPPHTAVPAMDRDA
GEQDHEITDTEPAGGGVPSGNGREVL

>comp10667_c0_seq1; 351 1 1161 LEN=1234; translated
TLQHSFCFVIIASTRVSSTALQTTRKNESTRDMRGYNLGSASLRYQNLVVIKQTAFEEY
SQLKLRGQAPKALRWKRLEQRYQAHHKCVNDLLSVLQENNVSFNCVNRVDLDRQHLADID
LMVAVGGDGTVLSAAHFLDHGTIPLLGVNSDPNVSIEDRQVTKKRDERKSHGALCACTA
LDIKDRLSPILFGEKEDSLSKRTRIRCKVKSTFSETRLVPALNDLLIANPSPGAVSRFRL
GWLKLDSEEDIDGDVPSVPKDGTRFAGISYDIKHGLNVWSSGMWISTSTGSTAAMAAA
GGQPMNLDSSNLQFMIREHMIENSNEVIDHGVDNGFVNDEEEMHIRWNSQRGRIYIDGSH
LTHNLELGDEIMIDNKAPPLPMFMR

>comp10667_c0_seq2; 235 1 858 LEN=1366; translated
TLQHSFCFVIIASTRVSSTALQTTRKNESTRDMRGYNLGSASLRYQNLVVIKQTAFEEY
SQLKLRGQAPKALRWKRLEQRYQAHHKCVNDLLSVLQENNVSFNCVNRVDLDRQHLADID
LMVAVGGDGTVLSAAHFLDHGTIPLLGVNSDPNVSIEDRQVTKKRDERKSHGALCACTA
LDIKDRLSPILFGEKEDSLSKRTRIRCKVKSTFSETRLVPALNDLLIANPSPGAVSRFRL
GWLKLDSEEDIDGDVPSVPKDGTRFAGISYDIKHGLNVWSSGMW

>comp10667_c0_seq3; 198 1325 1597 LEN=1670; translated
MAAAGGQPMNLDSSNLQFMIREHMIENSNEVIDHGVDNGFVNDEEEMHIRWNSQRGRIYI
DGSHLTHNLELGDEIMIDNKAPPLPMFMR

>comp10667_c0_seq4; 198 1193 1465 LEN=1538; translated
MAAAGGQPMNLDSSNLQFMIREHMIENSNEVIDHGVDNGFVNDEEEMHIRWNSQRGRIYI
DGSHLTHNLELGDEIMIDNKAPPLPMFMR

>comp10668_c0_seq1; 452 102 1478 LEN=1514; translated
MKYTSGEKNWYTNLALFGDSSSALFLSFGLLVLSFFISLYMDGNLQSVSWELSSSTERAYR
KLGPIPNIAAPPRIHFVNDELGDKNLVSEEMQEAFFDRDGVIAVRGLLDPALLSALDDATQM
IVSRQKEKDKAKSKTKPKVLTGRKKAPKQFFTVNQGTIFSSVDGGNSTSVDSFPVKVAMT
SKIPQVIAGLIGFDCETCEHANKTLRILRDI FLAKDEEEYVCGWHVDDVGFWPAIVEELG
EPVGVNAWIALDDMPTEIGGGFALAVGSHSSPWKEEAYRSIGSTHSFPKAGFNSSRDILQ
NRPGNGTCNIEHTAPHLHRRMEETKRNYNIKAGDIIHFTRWLFHKTI PFSTRDVVSKRAAK
NEEPIVYRRYSIRYGPSTSIIPPGYGTPEPSVISEEKNGGRSADHVSEHDAAWYPRVWPSI
IDTEIEEMQLLAKDRLPKALQKSDQRRKVIRPRVKRQY

>comp10669_c0_seq1; 197 214 639 LEN=951; translated
MSQTQEDGPTVVEGTIRGLTPGQRHGIVSVCTYGDVDRDGSSTGNIFNPFKTHGAPSDDA
ALKMEGDLGNLTADDSGVATIKMDDSKIKIFGPHSVIGRSMVICAGADDEGRGGQENSIS
TGNAGPRIAFGVIGLANPSPA

>comp10670_c0_seq1; 425 1 630 LEN=806; translated
EDDGEDDLLVVKARHEAGDVAEDLVPLASTKVRKPKKIRIDGGNSSENVHTVFEEDGTVQ
PKIFEAKHSDSDSDTGSVDDEEIAEALQGANDGYLKQVRQRLEKTKELDKEEERERIRA
KHKKKRMKEKDGRRTTEEGDGKQLAILATTETTYDSEKNSQSSSTSSNDSTSTASSSDS
ESDESEGGDNPMVARQEDLALSLIRGGF

>comp10671_c0_seq1; 567 83 1465 LEN=1808; translated
MEDWSPFYCLPRAELTPSGLLQLDTTDHEVLLLRSGVEFRHEGPTPMAPRPRGLPPSER
WKNTPPFEMVLTITTHRFVLLYKHDRDNDESQGTGRNNSDIDARLVHLSNVRKVEASGG
PSLMSPNSSYKIVLTTKTYDTLVLVFRNSIMGGNSRSDRDQSLRELTKALERKRWEVAS
RLEQKKALEASRFSSSTLGTSGHKVGLDRILAKNKARHQENAKLAEALSGDSEHLLTEA

AELLKVIQKYTVLVQKFEGSNSNSDDEEAAIKLKGLLSDMGMTSALSQSKMAGTGPKRYR
SGAEEQRLNDYHELTARQVADFLVPRLRKS GKGMMSLTDVYCLFNRARGTNLLSPEDLRD
SCALLNEGLNVGLSQRTPPSGIVVLQDELALSATNYEARRRFIDLCADGKTAL EASHSL
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>comp10671_c0_seq2; 335 224 1763 LEN=2106; translated
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HLSNVRKVEASGGPSLMSPNSSYKIVLTKTYDTLVLVFRNSIMGGNSSRSDRDQSLREL
TKALERKRWEVASRLEQKKALEASRFSSSTLGTSGHKVGLDRILAKNKARHQENAKLAE
ALSGDSEHLLTEAAELLKVIQKYTVLVQKFEGSNSNSDDEEAAIKLKXVSAALALVEVWR
RLVNGRNLAKHGDTGLHTREITSVMIGQNRVAKRIQCTGSMVCFELLSLLFFSLSYYCF
XILHAASISREKFKSTIELNSFCNTSRLLSDMGMTSALSQSKMAGTGPKRYRSGAEEQRL
NDYHELTARQVADFLVPRLRKS GKGMMSLTDVYCLFNRARGTNLLSPEDLRDSCALLNE
GLNVGLSQRTPPSGIVVLQDELALSATNYEARRRFIDLCADGKTAL EASHSLQLSPLLA
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>comp10672_c0_seq1; 701 386 2580 LEN=2653; translated
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NDQGNEQEKMRSRKNKRTWEALQNAAGTLQNSIHQNTETKASELPMASNALAVSMVFGAL
SLLQQQQSLHNSGDNGSAKAAAASLSTVSRNTALRLAGQPLSALVLRSCVSRAYCDKQE
SFRFDLTILNHLAKSFHLTND FVEPRVIAKIVRKAVPKA QATYEREDLVKQSTAGAFALS
CQLRPWSILSPIELMDAATAYDFYHSAEEICRSAHGAANDAGASSLAASVEGDDDDANG
GGNLPFSALEQENENVRSAVEKLIDTAMASRM YRRADAXGNKPVRHGGSI AVVKARYFHAR
DTIAKVVARQFP IVD RQIERVDKAVAKIGRCNETEEKSPDGD PASPGADIRRYA IEMLE
EAGEITAAQRLASLHGMEYVYDEEA ILLAAKARREKYLQYDDLPG EIPPLITETHELRS
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STEDGVNALRET V GKVL DSSD WAVIGFACRQDL SRLRATPCVPVGGNPHWISGAGSVVDV
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>comp10673_c0_seq1; 598 104 1585 LEN=1878; translated
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>comp10674_c0_seq1; 107 1 222 LEN=514; translated
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>comp10676_c0_seq1; 523 1 438 LEN=602; translated
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>comp10676_c0_seq2; 289 773 2341 LEN=2341; translated
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>comp10677_c0_seq1; 443 112 1230 LEN=1431; translated
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>comp10677_c0_seq2; 298 112 974 LEN=974; translated
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RGKQYPQEFGLGTEGGGRPEAYTDEELMALLPENFKPAPRETKADEGDSVNTLDRRLKDRV
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>comp10678_c0_seq1; 407 674 2197 LEN=2358; translated
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TESNLRRSIFRMTNGMYPELITRDPDIKVFLLPPIGGELTIYIWGDPETIPDENIELTCRVHD
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>comp10678_c0_seq2; 192 674 1537 LEN=1635; translated
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>comp10679_c0_seq1; 201 115 1068 LEN=1343; translated
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>comp10679_c0_seq2; 208 616 1113 LEN=1388; translated
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>comp10680_c0_seq1; 211 1 1024 LEN=1082; translated
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NNPSVSSPEPTSHQDLKAAEYVPAFSDQMKRFIDSTKIHDDSFNTAIEKRDAVQRNLNE
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>comp10680_c0_seq2; 582 1 3181 LEN=3287; translated
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>comp10681_c0_seq1; 358 46 867 LEN=965; translated
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>comp10682_c0_seq1; 497 713 3714 LEN=4167; translated
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KSQTEEKTNELQSASTDFQEIGEHLIDLKGLEIQGLPAPLGRFWSDDIAGTCLRNSKV
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>comp10683_c0_seq1; 629 1 1386 LEN=1883; translated
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SNELELLPDKIAESDGGFPNYEKYIGKPNPVDAPALERL KEMSADRKALCLYTPELQKKR
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>comp10683_c0_seq2; 537 1 1655 LEN=2152; translated
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>comp10683_c0_seq3; 657 1 1644 LEN=1707; translated
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DERDKAFFQPIVEYFADVAFLDDFVASELKQVNTNYFGMIDQLVASRGEVFFGCWFSTFT
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>comp10683_c0_seq4; 565 1 1913 LEN=1976; translated
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CGATTVKRGSLSHGVEVLDTRGIAATFSSSCFYLRFFFTAWMPVPTACEPTKSALFVGFVL
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WMREQSGENLLHFDPQKCIVAFPATDTEEDSNELELLPKIAESDGGFPNYEKYIGKPNP
VDAPALERLKEMSADRKALCLYTPELQKKRWLHFPVGMKTNYGDESRLLVHFYAFLEFFQD
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QFKDTRISAKKILIQLKRVLDQNTTLYIATDERDKAFFQPIVEYFADVAFLDDFVASELK
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>comp10684_c0_seq1; 388 1 2059 LEN=3003; translated
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>comp10685_c0_seq2; 261 1 1322 LEN=1410; translated
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>comp10686_c0_seq1; 565 121 2312 LEN=2481; translated
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>comp10687_c0_seq1; 514 201 1262 LEN=1406; translated
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KREKVDDAAITSVPTLGGRSRNLQDLTVEHTTTATRPDAEPRTSTKRSYSSMSSTNSDI
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>comp10688_c0_seq1; 1028 114 2537 LEN=3051; translated
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>comp10689_c0_seq1; 461 137 1396 LEN=1912; translated
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>comp10690_c0_seq1; 357 82 1140 LEN=1289; translated
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PLLNGSLTDCVFVVKRSVTKEEVNEALREASESGPLKGILGFETKPLVSSDYTNDTRSSI
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>comp10691_c0_seq1; 376 1 2288 LEN=2491; translated
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>comp10692_c0_seq1; 550 101 2149 LEN=2564; translated
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SAAVVILATEVLEDP SKKAQEEEDLRLTGLHEARKALDQKRKRMIGGSSTSNHSSGD KKS
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>comp10693_c0_seq1; 421 399 2183 LEN=4076; minus strand; translated
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LDELVESNAALKEVDNLLTKVYPLARS AFGDSGGGQRLTDGRLCVYDSL VVRYDGDK
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DITGSDSSENGEQRELCKAMESLRRALFLH DRYQRHGIASDFDDNVLVARLTLGEVLAQL
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>comp10693_c0_seq2; 421 399 2183 LEN=3746; minus strand; translated
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>comp10694_c0_seq1; 157 222 608 LEN=955; translated
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>comp10696_c0_seq1; 358 111 2382 LEN=2382; translated
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>comp10697_c0_seq1; 217 382 2303 LEN=2442; translated
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>comp10697_c0_seq2; 209 1282 2511 LEN=2650; translated
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AAAILPFTSALSGLCAAATAAIVELPFLETLSASGTVASLTGEMAI VGVLPFLSTLFAAA
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>comp10699_c0_seq1; 468 133 1692 LEN=1884; translated
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EEGSRGLRFFTHGYDVYSPHRVLVTHDYHHTQSNPVVHTWGRKRSQGDIESSWKWLDISI
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>comp10700_c0_seq1; 578 96 1568 LEN=1746; translated

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RRINLDLTGFGVGVVTTLEASPVSSPIAPPTGLHLQFGDSSSYDFSSALAVPLGGSGGSP
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PLLAVLLCAA

>comp10701_c0_seq1; 199 270 1537 LEN=1585; translated
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LRNPGIGSQTAFFGEDRCRGAEDFPEPVAWRNNGRGSFSDAAVRWEYVCSATGLSTDRAT
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>comp10702_c0_seq1; 165 283 498 LEN=732; translated
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>comp10702_c0_seq2; 309 61 948 LEN=1182; translated
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KRIATSFNLTKKKFFDEYDEKLGVSTSIQYISGSVEAACGLGLADAVVDLVETGTTMRAA
GLEVVHDILSTQATLISNPNSEHKDLVTKIQRRIEGYITATKYVMVMYNISNELMQDAIK
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>comp10703_c0_seq1; 505 1 1747 LEN=1747; translated
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FFGKTHTASVLPFGITCINVTDMIAKFLMLAKSTDRMDALLSQKPFWKMFADPSAITAVQ
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>comp10703_c0_seq2; 527 1 1771 LEN=1771; translated
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GDGADPTPAAPPEPHTGDNGVPPVPHPFVVDRLGFQQQDPVTDFRSGGVLSLAMVMVMSR
PEVCSRFFGKTHTASVLPFGITCINVTDMIAKFLMLAKSTDRMDALLSQKPFWKMFAD
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>comp10704_c0_seq1; 497 106 1542 LEN=1631; translated
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>comp10705_c0_seq1; 875 1 2607 LEN=2607; translated
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FHPSHHQNTKKGRNQKKGKTGLLSVFSLLAEPLSRSGASRTDADHLTI ELVLHLIRNLL
SAQPI LNTSPETSRGAAQLHQDMITL FERELVLDILLVLGQEMELRENAQYNLLVMEILH
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>comp10706_c0_seq1; 740 96 2153 LEN=2587; translated
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GVDASADEVDVTWNDPQSTRINQKQGHLKSVRVMRKEMSSFRKELDAVKNSLPTQAQTP
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KKTEKNHPDAENSVKSEKQTLKQSEERTGSETTADENLVTKPSEMGSAIN TNDELSANE
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SELTELERLEAIHIVLQREKAKCINSDSIDSTHYDEDLKV KLLKYYKTPGKTRVGGPK
HAHPAIGAPTDAWFHRHAMGSAGMQRKIEKTSGISGNTNRDTSRRQVENEVQNNPVMH
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>comp10707_c0_seq1; 142 648 1466 LEN=1466; translated
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>comp10708_c0_seq1; 339 106 705 LEN=843; translated
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>comp10708_c0_seq2; 591 106 1716 LEN=2144; translated
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GIIVIVPIFTHESFVKAALATYIH IATIGITFAFFSQINHLNEHSLETDMVSREKQYKKL
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>comp10709_c0_seq1; 436 170 1861 LEN=1895; translated
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VRPRPTLLLHPRTTATTXNPWHQSKPSPTTTI SAKSSPKTIAESVRTSVPPIPKTHKQQ
EHVLGHGHDGIGSFLYWT SRRVSGLSCHAEGDICFLTQRVCMVAPLDRTERQILTPIRGI
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QLSWLIVYLLSAFTGQLWMVVF DIGYLSNGSSYGYNDYNPYSSDLSM VPAASGCAGWAT
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>comp10710_c0_seq1; 268 555 1433 LEN=1717; translated

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>comp10711_c0_seq1; 410 1 1486 LEN=1573; translated
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>comp10711_c0_seq2; 1100 157 3034 LEN=3034; translated
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VTPSPVPCEEVTSTKGIPKGPASPPPSKSPSTHSIGTQISKEFEGIFYSQKVTAYNAKSK
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GVDRHKSFPQEM LCKYDIVLTTYQVLEADFRKMVSPNKVKCPNCGRAFKIDKLAVHLKYF
CGETAQRTFAQSRQRSADRHSFGSKRKGSTNKEKKKSFSTKSTKLDNKSQKTKTTV
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LALSRAAKNKTKKFPEEDIQKKKSFGRKSKSTKKSPIESNIDPLRGIDMEALKEKAMEGC
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>comp10712_c0_seq1; 1426 1 3177 LEN=3302; translated
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ALIRRYRSIADSI FANELRLYKQSN TSSSDEQWVENTIRKGT LKDRIAAMSVTLSTDPVH
KFYALDGLMSVMGCS SSSNEGGKTNSRVAQLTSEALEDLFINTLLPPNRKLLTLAQRPLS
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>comp10713_c0_seq1; 985 1 2086 LEN=2326; translated
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CPSDEQDFLQKIKKFRQAI VVSSSPGDSKTDNRSEFDSLQDREVEEDRAFRLPPWKE
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HPVVSELP IGLKGSSEGY PCTSTSTGLHRT HDGVDDRDCTVVEPPEQTPKTPSDIVTRN
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>comp10714_c0_seq1; 263 111 972 LEN=1033; translated
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>comp10715_c0_seq1; 293 249 1742 LEN=1901; translated
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>comp10715_c0_seq2; 260 249 1100 LEN=1228; translated
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KHVASSQAEDDSTIRATR PVAAVATTQRSL LFWESMVSGAVSRSIAQTMHPANTMKTIM
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>comp10716_c0_seq1; 806 627 2483 LEN=2585; translated
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CVLGNMVP IVP LLFLLKNETLKNLMSPILKRAEKKASGLGVGDIQKQWVSLAA FVG I PLP
GTGAWTGAMGAFLLGMPTPVALSAIFAGVVSAGC IMTAITLAGKTGGLVALSVLIAFALN
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>comp10716_c0_seq2; 697 177 1331 LEN=1433; translated
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RRATYWCPELKADDPAKKGICSNFLCDTNP GDEITMTGPAGKVMLMPEEDPNTDYIMVAT
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>comp10717_c0_seq1; 781 676 2559 LEN=2871; translated
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VDLFGYLSGDGCVMDKI FT LGDQETCEASGGT WETNYDYPNP NAPNGSHVAWLGA FVGS
LIRPVGGIMSDKFGGAKMTMVAI IWCTIAAFAQGYLVQVCQGMDDPTKY YGWFIFLFLNL
FLCTGFMNGSTFR TIGVLFPPPEESGTVLGWSSAIASYGAFI IPTMFSIALKAGAPQVTFY
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>comp10717_c0_seq2; 600 1 1551 LEN=1863; translated
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>comp10718_c0_seq1; 192 1 912 LEN=1475; translated
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PHFDTS DGWSWKL AALLPAVVSGRLVYKGFVRDASDADVQNMSLSGSPADLLFGPLQLA
GIFVWLTLYQFMTEEA AVVA AVSFGDGCAPLVGS LYGRHFYKTPVSKTKTVEGSVVG VFL
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LPP
>comp10720_c0_seq1; 357 2843 3730 LEN=4328; translated
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AVFGPTFDKLNTRVTASSTGTHRKKNP AFSLQEDDYVLTSADE INGETRKMGGNAQAIS
GRQGWLHHTSFLWDYDDANMEDYLKLP EKRPA YRS DRSHRDFLVK LKDHYGSEFDAGDSD
LGSSSLFVESMKHACEESLGIQETDWP SVYEEVFSSDDSKFHAWWLENRTRIQHDL
>comp10721_c0_seq1; 250 81 641 LEN=748; translated
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GSSEGAGPSASKRQRTGQEPAAAPRAAASSSEALKSALSEAREEAAAAGHGGSNSNSNSSA
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GDSDDL
>comp10722_c0_seq1; 263 210 966 LEN=1259; minus strand; translated
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FLVILFLVGHVLES LDVLLRLSVHLVEFLVFGYGLPRTDLEDHRHLCCVERSEVEHV NQV
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>comp10722_c0_seq2; 282 184 645 LEN=975; translated
MAESGIEENAAERKFGAHFDDI HILSNAQVAVILQVSAGQAVTKDEELNEVYRKTQKYVE
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EAYALIPSLSRLPEAAIDEILDLIKSTMLRIIS
>comp10722_c0_seq3; 88 1 410 LEN=740; translated
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ELDNLQDALTTFRKETDDGDELELHGFEVAALMNLVIADTTVEEAYALIPSLSRLPEAAI
DEILDLIKSTMLRIIS
>comp10724_c0_seq2; 610 389 2977 LEN=2977; translated
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RKNNPVLIGEPGVGKTAVAEGLAQLILTEKGNFLDGS IIMALDLGSILAGTKYRGEFEE
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LTKALSDYMFSTDMIRLDMSEFM EKHTVAKLIGSPPGYVGYNEGGLL TEAVRSTPYTVVL
FDEVEKAHPDVFNL LLQILDDGRLSDSKGRVVDFTNTLIIMTTNLGSKIIERESGIKTKL
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NHLTRLDLWRICGLMIDQIKKRLAEKELELVITFPVQAF LTDEGYDPLYGARPLRRSISK
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>comp10725_c0_seq1; 584 254 3103 LEN=3438; translated
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SPGLGTPKVVYPPFESDEQTPSSPSSLGARTSSKAAEASTPEKNVEKRPARSPPFRSPRRD
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KSKCLKLYCECFGAERFCNGCNCLDCRNTPEFEEERKKAIKDTRAKNSKAFQQKIVLKNS
QGAEASQKVHNSGCKCKKSQCLKKYCECFNAGAFCEGKCKCQECKNHPGSQQLADKRNKM
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RMHHGSHSSRPPSTGNSMPTPKLKSHTKRAAGSPRTPGVRKPFDPATNRKKRKITPGELE
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>comp10725_c0_seq2; 621 318 3599 LEN=3934; translated
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TNSVPPKRRLSELDRPSLVKRSHLPHHRYHSRAQDGPSTNAGLSSTSRSGSPGYQNSYR
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DISSDRRYHHSKDHKDI IGLGSAEHPKASAVTISDRKGEAPSSRLDPGAQPKQLWPSKN
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RNVNVKSXKNHPGSQQLADKRNKMKDPVGAQYAMRVSHQWKSSTSSSKPVSQPHRRQ
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>comp10725_c0_seq3; 538 254 3208 LEN=3543; translated
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LGCSGSEAKNEAFRPSPYLKRPNLSFDIDTPTGTLPDGDYSPMGPSFEGLYEDASTPFKL
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HGHHMGYSPMSMSPVPHGYHQP RRMPGEGISHRMHHGSHSSRPPSTGNSMPTPKLKS
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>comp10725_c0_seq4; 667 318 3494 LEN=3829; translated
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PVISRNYLFSPPQLSNHRVDYDQLDLNDTIMGMGFEDFESSPPRDLARSPRGSEPAEEP
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AFRPSPYLKRPNLSFDIDTPTGTLPDGDYSPMGPSFEGLYEDASTPFKLDEFFGGSLM
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>comp10727_c0_seq1; 659 396 3134 LEN=4168; translated
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LALVWNDWAEKSVGKKTQQILVGT EENQNIDFNASFRNWSFGMNAQLNLEDR IKNSKLV
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NCGGEPGRKVITQLLSLNS SAVKRVDSEGSTPLHMI SENKFKSEWIFVDEVYGSNKDAIM
AIDTNGRLPLHRASKAIAYFNKNIGNDSVVSRSVICNLLREYPDAARIPDHFGLPLHLL
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>comp10727_c0_seq2; 659 396 3134 LEN=3890; translated
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NCGGEPGRKVITQLLSLNS SAVKRVDSEGSTPLHMI SENKFKSEWIFVDEVYGSNKDAIM
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AQNGGGWDVQAQTLFDANPDAAEHRAGVKCYERFPLHFAAQNVDSDFTMIGKLA EAYPEA
ARQADRKGFYPLHLACESGHSWKSVELIHDAFRVAVKQTERNRRGWYALHMAASSESSDE
ELISKLAELHPQAALVADNDGR LPLHLACMANKDWENGLSCLFDANPNSIKCPDKDGM LP
LHIVAFRCCLKPCSVD DTSPEPANIRSRNLSMTSEALEKERLAI I HAAETKEAKELNDIF
EIVRADPTALMI

>comp10728_c0_seq1; 542 297 1692 LEN=1802; translated
MQHQGRREESQNQVLSAYASELVDYDTSSTSAIQTL PDASVMDSFVLPVAMASLMVTG
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EFAEATLPSASN MVSGTSVFINTLVVAFDVF KAGQIGSTLLPISIQLDGMMLSYIYSGLL
VALVSTQSLTNLSRVASTLVVGLFATFAGLLLPGLANVPDPVSVLSLPLLP TEDIGDGV
LHGTGCDFGPGFPDIVPTITRLLDYNR TKVATALTFGSFIPLLMYMAWTITVLGGGITSE
HSLGTLMTCFSLTTVAGSSLGGMSLSEFEI LLGASTSDDSVEEMGGKNKDGTFS LPSV
AMPVGTIAMILAQV FSSDITETLQIAGGFGSPMLYGIIPVSMILMQQRQANKNGNFGTEIV
ISTPTPNDKNSNIIPGGIFGLGTLGLGSI SLIGLELVQTSGGGM

>comp10729_c0_seq1; 709 302 1624 LEN=1733; translated
MWNCEDEVNECGEPIELYLVPVQAPPRKTNTAPQD SHIGGHCFDDNFTPSCDVCDDKMF L
MAQLRLQNASSGFLEDRFERFICAFS CPKEECFGQLVYQQGFSTKGGHGVFKCIEKRVPL
ISNENKVKPNIPVAVNKSSWYDNDNDGNDDEWGMGDDDDVNLEN AVAAMESKLDDEGGAL
VMSRKTAKKPHASLAPSSSEDSLSAFGCFL LKKQNEPRSTKSFLEDEDDVGLSE SDEKI
RNMLARYMAEEDEDEDILAAI GGTNATGGGSGPTEEDERLSAEDRVL RGFQDRMRRAPRQV
IRYANGGKPLWSIPDVNHNVPNCPLCGAERTFEMQVLP SILDALGVEKYETKTKREAGDE

PLALGDLLSNGLNFGSIAAYTCSNPACTPEKKEAYLVIQKSVDDLPENGNTKKICGDNLS
TPTVAVVEDLDDDAEFELDA

>comp10729_c0_seq2; 709 522 1844 LEN=1953; translated
MWNCEDEVNECGEPIELYLVPVQAPPRKTNTAPQDSHIGGHHCFDDNFTPSCDVCDDKMFL
MAQLRLQNASSGFLEDRFERFICAFSCKPEECFGQLVYQQGFSTKGGHGVFKCIEKRVPL
ISNENKVKPNIPVAVNKSSWYDDNDGNDDEWGMGDDDDVNLENAVAAMESKLEGGAL
VMSRKTAKKPHASLAPSSSEDSLSAFGCFLKQNEPRSTKSFLEDEDDVGLSESEDEKI
RNMLARYMAEEEEDEDILAAIGGTNATGGGSGPTEEDERLSAEDRVLRGFQDRMRRAPRQV
IRYANGGKPLWSIPDVNHNVPNCPLCGAERTFEMQVLP SILDALGVEKYETKTKREAGDE
PLALGDLLSNGLNFGSIAAYTCSNPACTPEKKEAYLVIQKSVDDLPENGNTKKICGDNLS
TPTVAVVEDLDDDAEFELDA

>comp10730_c0_seq2; 528 183 1043 LEN=1341; translated
MMRVNAIRKAGAVASRGMQTAGRASAARASFSSTEGDNRKELEYPRAVSKEEAPSIPKAKE
TTEEPFLPWRGWMERVFRDKMSPETFDTVKGFYFYPEDPNNLNQLPYPNQKHIYSKDGK
ESVAIREVSPGSQPFVEIPTKDLDDDPYDSGYFKRDTRRRRYVDPEFPHPDVEQIKLDMLD
ENDPEVVAAKERLAAGPLSSQNGGIFANGKSETGLSGLRAVMSVTNDELFAELDKHMPD
HLPTPTWAADDECKEMVQWYKDRGLPIPIGGNFNGVSVKRRIAKW

>comp10731_c0_seq1; 73 1 440 LEN=618; minus strand; translated
XVAAAAACGFATGPLEVGGQKKGKGVRAAPAHTNHRKVLPAVGDQLPDAVHERTEVAPPL
AVRVPGHVRRARGPAHAGPVRKELPPGKGGSGAVDAPLGPAAAGEAVEIQHRVGPSSGGVV
LASVAAVGSSMPVQAFSAFAPGNVW

>comp10732_c0_seq1; 546 1 1089 LEN=1215; translated
ATTEKNDDPLGLLSPLQGGKLPKEADTGIDLSGLITQEPTDDVDLDFGLQDDEDEDFGA
NKDDIIIVDAYLDTDEQDDAKLPAKKTQKEKDTVVDADADEYLDADADEDEDEIDTKNIP
TGPDDPTSFLFYKLSQQGSREEKLEAILSLSKYSDLRALVKRALPNDTFSNRKKKTYQCALY
DHFRLAYPTKEEENRKRKSNQNRRSIFSRPVTCSQVKCNASSRKFICAENIDEFQYCS
TFPERIRDGKPMQTMVVVFDEMI EQPSMIK GKANKDIKNYFRQDEEGNEKPKMYFLVPE
NFKERIGKVFEQVQKDMQLSSTQYGDGWAFTENVGRFFKYVYGNTSFKSQGINKQKKNR
RK

>comp10732_c0_seq2; 540 95 1274 LEN=1274; translated
MSLCGDLHGSMVSI IQSVDGFETVSKNIYFAMGNRLSSNDDPMGNWVDQELQONIDGXVSL
GALPAIASDRISXPFLPPFWWSTEQQKIAAAKAATKQQQQPDRVGGQQQQQELSFEEQ
RLEYMLNNQFTKSGTRVWHDLRNKRKPPQYKRRQSERLKLQQQQKQETGGGNGSAPNS
ASKGRRQYPLPMKRKRASNANEEASNPSKPKKPKVTAGKENLSTKRRSQNIDKCNLSSAKK
ARHSDQDTKTAKNMPTITTSRESDPKNALKPTPTYPPVSQKNKVAKKKASRDEKEKAQEV
TKKKEEGCDSVGKIQIPATSRDDDPKTGSKPPSYSQTTAKVASKKKIKVRTVENSDDSTT
TEEDDGPLNLLYSLLGKKPHAEEKTQKEKDTKST

>comp10732_c0_seq3; 626 95 1192 LEN=1192; translated
MSLCGDLHGSMVSI IQSVDGFETVSKNIYFAMGNRLSSNDDPMGNWVDQELQONIDEQQQK
IAAAKAATKQQQQPDRVGGQQQQQELSFEEQRLEYMLNNQFTKSGTRVWHDLRNKRKPP
QYKRRQSERLKLQQQQKQETGGGNGSAPNSASKGRRQYPLPMKRKRASNANEEASNPS
KPKKPKVTAGKENLSTKRRSQNIDKCNLSSAKKARHSDQDTKTAKNMPTITTSRESDPKNAL
KPTPTYPPVSQKNKVAKKKASRDEKEKAQEVTKKKEEGCDSVGKIQIPATSRDDDPKTGS
KPPSYSQTTAKVASKKKIKVRTVENSDDSTTTEEDDGPLNLLYSLLGKKPHAEEKTQKE
KDTKST

>comp10733_c0_seq1; 392 184 1593 LEN=1842; translated
MCGPTVKTISPEAKEARAAPTSKEERTTKILGNEKSRTVPVNSTVAEPEHRGFLYGTLSL
ALLVTAASVNMGFYQTKRDTLGCVDVQICGTMTSARSTLTLLGSTIIIGKCSKALKMVG
ARKFFLMLGVAASALDVLLSFRATSIDGLWIGMIPALCQQNF'TVLKALFMEYHDESASA
AERAGRVLGKGMAGVGLAFMAGPLLSVFFKDHRTASLFAACCLLGSIFFVSLLPNPPKST
IASREKEANKSSSFGFSFVPLVPAARTRPALFLMVSRCMGLAFHIFQTIWAVALRQR
FNFQPKDYGRYYSFIGFGFAISQGF'FAKYLLKNFGASDRGRTRLLLACALILGGGRFMVY
QTHSLVVVYAVFGLIITALGVINTIFTADTSKIADPDELGGLFGVLGSMESLAGIIGPIL
GGVLANYVHQIWGPLGAVLSLYGFVFTMIYFGYEHTVCKGKT'TETKKNV

>comp10734_c0_seq1; 351 79 987 LEN=1399; translated
MIGANTILNFFAAFLLLCGGDAFSTNYQQNHGIRVGGSSPFPKGQFVPTLKSDFQKSTK
LKALDVASLSGGAVTAYSSANGLLASLTETGFYQAFSLVVFSEIGDKTFFMAGLLAMKTS
KFISFLGSMGALFVMTIISVVLIGQTFHVVPAGFGEGFLGGLPLDDVAAVLAF'AFFGFKTL
QEALTMEEGESVMDEEFAEAEEVEASDTTKQGTIIARILSIFGLVFAAEFGDRSFLSTI
ALSAAQNPFSVGAGIAAHAIAATGIAVSGGAVLAKYLSERVIGIIGGALFIVFAIT'TALG

IF

>comp10735_c0_seq1; 426 160 1257 LEN=1534; translated
MAPVLDSVAPKLGKMAIGKIDCTKHKAVCKEHKVRGFPTLMYSVDGEVMGEYSSGGRDEL
DIINFAQKMSEPAVHEIRRLEEAKIFAKKTASEGIVFLGSGKADSSSLWKVFEKVARKMQA
NAYFLWMEQLESPTDDGKDYSYVDRIEDGVLEPRRWETTAADLTEENFSAFVKDQNIPTL
TNITPQNFRRISRNGRPLLMAIVDMENDELVSGIRAHMMEFILRAPQEYVEQRYYGFLFDG
KKWQKFLKQFGVKQKDNPPQYLMIAPLDSPGKETFWRNETYTKFPEFLKAIEDGSIPPRHP
EKKKLTDDPFGLWTEKFQQFFPYSIIPIFILTGLIVWAITPSIDYEDYEITEDQKMTEE
TKKNK

>comp10735_c0_seq2; 181 1 345 LEN=622; translated
CSSDLNPQYLMIAPLDSPGKETFWRNETYTKFPEFLKAIEDGSIPPRHPEKKKLTDDPF
GLWTEKFQQFFPYSIIPIFILTGLIVWAITPSIDYEDYEITEDQKMTEETKKNK

>comp10735_c0_seq3; 477 71 1378 LEN=1655; translated
MKAFPILTATAFCFSSPFLTLAAGEYVGGTLHETPIDLDDDSFQAAIEDSANPFWFLKF
YAPWCGHCKKMAPVLDSVAPKLGKMAIGKIDCTKHKAVCKEHKVRGFPTLMYSVDGEVM
GEYSSGGRDELDIINFAQKMSEPAVHEIRRLEEAKIFAKKTASEGIVFLGSGKADSSSLWKV
FEKVARKMQANAYFLWMEQLESPTDDGKDYSYVDRIEDGVLEPRRWETTAADLTEENFSA
FVKDQNIPTLTNITPQNFRRISRNGRPLLMAIVDMENDELVSGIRAHMMEFILRAPQEYV
EQRYYGFLFDGKKWQKFLKQFGVKQKDNPPQYLMIAPLDSPGKETFWRNETYTKFPEFLKAI
EDGSIPPRHPEKKKLTDDPFGLWTEKFQQFFPYSIIPIFILTGLIVWAITPSIDYEDYE
ITEDQKMTEETKKNK

>comp10736_c0_seq1; 92 1 365 LEN=1393; translated
XHPQHNAVEREPTLQERRPPQNIETPIRVAYYQLFTMANEAPPQIYRDLTAECQQLMTK
IADLESDRNEHILVEDALKPLDGSRRAYRLVGDVLRVTVTEVLPSSISQNKENVRVSYGL
I

>comp10736_c0_seq2; 123 1 428 LEN=1095; translated
XHPQHNAVEREPTLQERRPPQNIETPIRVAYYQLFTMANEAPPQIYRDLTAECQQLMTK
IADLESDRNEHILVEDALKPLDGSRRAYRLVGDVLRVTVTEVLPSSISQNKENLNATIDA
LRERLTIRQKKAELKAKHNLQ

>comp10737_c0_seq1; 544 143 2170 LEN=2430; translated
MTXINEEKATETFFFRQNGLLLSGNHGDIFDAPSDRYAFYFGSDSCGGLRVDKEDNADA
PSNLKSSEVNSLFYDNNVLVGFPGNNRTAKADIPATKNSTNSSYFRDDDNPPPLNLHTI
TLEELQELVSWGYPKFRGKQIYGWIRDKGVTPNDMNNLPKNLRSTMLEFTSRAGSDDD
SSEVNDNGGALSALFAFEAKSKDGTVKRAYQLRDGQLIESVLMGPYEDGRYTACISSQAGC
AMGCVFCATGQMGFARQLSADEILEQVSRFASELKRQNDPSKRLSNIVFMGMGEPLANYR
NVVKAVKRINSELGIGARKITVSTVGVVPSIKKLYAKDTEMPQVRLAVSLHCADDGERTK
LLPANERYGGLDELMTTLKEYIDTTGRRVTLEWALIAHQNDGIETARQLGNLVKRYGLRR
DMVHVNVIPLNPTQGFEGAKPSNVKRVNAFCDCLSKDYGISATPRVRRGIDIDAGCGQLK
AKIQKQKEDQKRRKEQREQQNALAEFLPEQQTAPMIGVYEDDSDEPIVPQLKHGEVVEFT
FADDAVDFDSDDFENPEYEESSDMAEALRLMSLVESGAFGTPAATKQLPVTAEENDDDDN
SPVKGPTTTIVDEDAVRTAKKKRKKLLRNLKQIKNLKDLKASGKISAFSREOLEKISKEE
AWRNEVEDLEHNLKA

>comp10738_c0_seq1; 468 70 1314 LEN=1766; translated
MTVTAGQILTAETVPAYLKDQWEDLGIGKALDCTTTAEAELEGIVVNAIQGGNVNYAFCI
ELPALAKKVFLKQAPEFVAIFGPDGFPLTSERMQREMDVYSEWKGLLGDLLGKKYLPEIY
AFDKKSMVVMEFFDGYELLDHVLVDEKASALDQKGI GEALGDFMGRVHAASYSSKYLA
ADEGQARVDYLKEHFENREMRDVQLEFVFSKCYKEATDEQRAGLTLSDFLAEVELLKKQ
YDGKAGDDALVLTHGDLHPGSVMVDPSTSVKVIDPEFTVYGPAGLDVGSLLSGYCLGAI
HQEYSRNPVAVVEDIVAGAEAIWASYSQALADGGLTSEQIRAI ETVGFTVAEVCRTALE
FAGGRKWLQFPDDEDTKKKACKAALGLVQKCMVGRHEGGM TLLFTEMKRKHFDQ

>comp10738_c0_seq2; 217 961 1827 LEN=2279; translated
MVVVMEFFDGYELLDHVLVDEKASALDQKGI GEALGDFMGRVHAASYSSKYLA ADEGQA
RVDYLKEHFENREMRDVQLEFVFSKCYKEATDEQRAGLTLSDFLAEVELLKKQYDGKAG
DDALVLTHGDLHPGSVMVDPSTSVKVIDPEFTVYGPAGLDVGSLLSGYCLGAIHQEYSR
NPVAVVEDIVAGAEAIWASYSQALADGGLTSEQIRAI ETVGFTVAEVCRTALEFAGGRK
WLQFPDDEDTKKKACKAALGLVQKCMVGRHEGGM TLLFTEMKRKHFDQ

>comp10739_c0_seq1; 783 413 3048 LEN=3116; translated
MTPNAVCTSQDFTKTTCNLDYVNATGNESDWCLSVPNTVYVETTFILRCTGDLNRMLFY
SVRNRPGCYAHVTGSSVSPCYNGYDNSIIESI ELATFDALKDEI STATGDTGREWGDVGO
GFTGCDQLRFVTEPRGLDGGALTCSEATLEIQSSPSMSDAVADLDEQLGIVVSNNTNG

GRQLREFSNRSLKPLASNDGIIDFGVVSHDISAICRETLEGAYLEINYNISCGGDEFQIL
SDPLCISAKCGVTDFELESASHATAKWNRISNSDCQVLSTSSNNEAAITWEDFSPSQS
PTATTSPITSLAPSAQPPSSSPPSASIAPSQNPTAVSCEDESNNLLEVSASENGVETDEM
KIATELAQVQILMMSGDDNNNDGFAKHCI SVSGEESDNGERKMSPAEADFYCEFNYEDIT
GTSNTENSIPSLCRRAGTVYVEDSISITCTSEDTSPTTTKVLVQNKPSCRSKKCNADDI
QGLANIEFQRWIKLTLEKGREETSILLGPQSCVVDENE EGGVSATLVTSSDSSD
NGPIEPTEQCLMGTGFRKSIVGLFEEIVHSERGFLSYLENDFRQICGSIKPGVLDNCFDW
SELPFSEDAVKLNCMPNEYTXDHIQDGC GG DGQYIESNFRMTCVKEDSEVTMMNRNVP
ECVGPSPNQTQSLMADKFSLSKQFEFKFADDNWCTNEVVSPLYPVHFD SFHETHDTE
CYKNLQFEELDPADVAIRIQETTIGGKDEREQHMADLLAGVDSSTSFSDLIPGGNSSDY
DDSEYDDSENDPLEVEDDVKESPAAGNAQSLDVPEAKDRPLIERPPVETISGLVGPVRYGR
LFEPQTKAPVETTSSGSTITLGAIGVLVQMLWSILI

>comp10740_c0_seq1; 383 238 1038 LEN=1212; translated
MKTGSAALFLFLGATSTNVAAFQQPVAYQSSKTAPLKAIGNDENHGNEISRRAFGAFSKAVS
GALTAASVAGVLNSGGDQSLRPEPANAIGPVKINLLNPTYTAIPCPKDKPIPEKAMKG
MRGLCVTVNVLDLEESPDRALDKVGVYGYITDKGTGESVLANNPDLSTDAGQFAIIPKIET
TEKKTQFEFIAAVPREMDMSPFEEGIAPLNFASLRVVSFPGGQQYGAISPCEMNEFSDEC
DAWEEENGPYKKA EY MVKSNERTKGR

>comp10740_c0_seq2; 67 1 238 LEN=412; translated
XTQRKTRTKQDMSPFEEGIAPLNFASLRVVSFPGGQQYGAISPCEMNEFSDECDAWEEEN
GPYKKA EY MVKSNERTKGR

>comp10741_c0_seq1; 196 549 1417 LEN=1417; translated
MTFLYTGTNSIATSKDSTSSSEISEMLVGSIRFAALVGAGLSLFLLLSAQSILVPLVGN
DNVDAELLSAAWRYVAIRALGMPAAAMLGTSQAACLGLQDNRTPFRIIVIAAILNLVLDV
AFVGRKVTWVGGTAGAALATCLSQYFALYLFRRFTSDKMDLKAQTSREKQKISTKGLLS
GRSTLIQFIRRPSQKTVDNFKPFVVPVTTTQIGRCSTYIAMGHVVSSTMTTVSMAAQQII
TSIFYTLPIGSDCSLTAQTYLPAIVSQKPSKERTLAMKTTMKNIFRVAG

>comp10742_c0_seq1; 444 128 1294 LEN=1566; translated
MMQSSGDIPSGNSGNVEEQMIPEKSEGADLAAKRRARRAQRKAEGNERRRVRKKKRDTPA
DALIKYGALFLLVAQMVLVLLMRMSRTSHVEGQPMYLASTAVFIMEVMKLGICCCVIAY
QTNGSLFSELKTHVLESPLMAKLSVPSFMYTIQNNLLYFALSNDAAATYQVCYQLKILT
TAVFSMVLQRKFSAKKWTALILLTIGVSIVEVSNHSDSSKSESEKQSQFFGLIAVLC
CTSGFSGVYFEKILKGSQTSWLVRNVQMGIPSVVIALITVYAKDAAAVSQGFLGGYTS
VWTVVTVQAVGGLIVAVVVKYADNVLKVVFATSFIVASCIISAIFFDFHASMSFLIGAF
VVISTILYSQPEKKRRRKA VLPETVTRK

>comp10743_c0_seq1; 857 105 3016 LEN=3016; translated
MTADDAMAFPEENFAPFEYIEDEIEDENS NHLNTLPKSRKKNDFNFTSLWRKPKLGRRK
IKTIVKSPGIYERKSPKQSNHKTITIGRYFKDRESFETSGSVPLSEFDEAKDTLPFLNFR
RFETREAEGIESNPSSRILKDKVALNPKLFLTPAPTQDAKPTIESDRLAHEKSNSNE
PCADFDPFQTLKSPKPKPEAGADKKKEELVSQNNKQDAFQDWLYNDHGPILSSLSE
DTIFSDSIRGERFLEDNFEDTIGTGLEGDYKSPNKTRKNINQVTSRLSNPDDKKEGDE
IETSVRFSDRLLKLFQSKGETKVAQPTSNLSKQQSQISLDNLAESGNCPLKSETVENIEN
SISKICGSDITSVESNISSENECCALTTNIEDERQDSENTGGKRNSPEMLSFESKQLSLE
TETNEENCVAMISSQSDHSELKDSSSGKKEGRETIETKEFSAQRTDSWIGSEENRDCSQ
NISDVSSLTMSNGTARQYASKFGVTLRRNLKSDQDQRTLRSSEYVSHVDTQSRDELEG
TTINVVGHKPTVSDFMKNTSKREITRDTNYKEHVSEDCGKDKCVEMTKKDQNEQKSLKE
GDEVDTDPHALQINSSPNSDANKNFAQKSASMFGVTLSTRNRNTNKLSPDISEASVR
NKVEKIRTSLERESFENKAKRTSGEWNRSRASSWKNADGNKKN SIPETNEQVSSLIPO
GGSIGQASNLGIESGIDMQVRDQLKPCVFKRNKISLSDRRKMFEAEGISVENNRKKSIES
ATCAESPRSLTSSLGDLTVKTVVQKRRIVQSKTKPAQTLLEHARRSSITHDDNSDNGLD
DIDDGIGSNRRKTLVTAKKVLGTYHSSLGKRTSNHSHEPDVLRCKTSRDSDEFKVDSDK
VVIQNKARKSLESIQKEKKNVTETQQMTVNKVTPTKVGYSARKNFENLNQSRVQLSMSRP
LVGKDQSSVRX

>comp10744_c0_seq1; 566 137 1396 LEN=1635; translated
MSGGVTWGSNTVHTIGGAPAPASSGFSFGTSPSPAPSAFGAPAPSAFGAPSTAPATGGF
GFGSTAKPPAAGGLFGTPAPAPAGAFGTASSFGSFGQPKQPQQPGVPQHHPAQAAAMEAK
ITAERVVEASRIRTKIEKLRHREYSGTCVVPEDGEE SAKFVAVVYNEITPEERQLRMHGM
ATGQPQEQGMYSQHFDLQQQQPIFAPQRPPQINSRDWKMVVNNPDPNNYVPTPIGAV
ALQGRVSNQQTRAKAYADNAVAVQKNLEFIRQRAAIARQDLMEKDRQYATLRRRRLLELMM
RVEVARCLNKPLQPEYRVMQRLTKLLDQVEKLRGAFFKLDQDQAKTQSVSGNNGGVSINT

SVADV DGNLVGSYKEELV GILKEQRRKLEKLN ETAKNDLRDVGLIARRVVVSVPASIPH
>comp10745_c0_seq1; 132 197 1155 LEN=1395; translated
MKLTF SR TTT LALVIAFCLGVMQFSMAETAVDVSEPRDMTIDDRVDHSIHIEFCV SXRVK
AKLSPGEGMVG IQLP GAPGESFRRELPHAPHDRALAE TSEHGPI DVHTDRDDGGEF LPDT
RLSADPPLVRRGSDEKCRADHDRALPDSFYFLNGYV VSGAFEIMLDGDQMI FSKLATGRM
PNADDLLGPLTKAXFDGHREVERSAHKMFDPARSGTLWFAFP GTTTTVVALSNRRRNGLHG
VGNDKSSNKKGG RIRNAPCAPIRSPFLLARFSTTASPARTSSSRTTASCIAGSNDGNGWE
YPQRLPRNDVGDLYTPGNA
>comp10745_c0_seq2; 132 197 1155 LEN=1410; translated
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RLSADPPLVRRGSDEKCRADHDRALPDSFYFLNGYV VSGAFEIMLDGDQMI FSKLATGRM
PNADDLLGPLTKAXFDGHREVERSAHKMFDPARSGTLWFAFP GTTTTVVALSNRRRNGLHG
VGNDKSSNKKGG RIRNAPCAPIRSPFLLARFSTTASPARTSSSRTTASCIAGSNDGNGWE
YPQRLPRNDVGDLYTPGNA
>comp10746_c0_seq1; 440 114 1805 LEN=2225; translated
MSSTQEVGDI FQGQKGS AQAMLRSP TVLILCIGLWGMNIF FRLFGIDFKYVLNYDLIEI
DKEEKEKRRMRDGYSEAATSEPI TSANNSNHTVSPNNLELVETGASKT SISATTPKTRS
SSPAKINNNTSSNGTNGISRHKPHLTSSTAPPE SYSVIDPVI AVSWSKLVLF SVVLLFL
LHFSTHYWMDHLHRSSIGAVAFFYSTMMLYIFFP IKQNEWLRRSFVIVLKRTWALIHPRC
SCIRLIGTKQIPRRIPFVDV FYADAMCSLSKVFFDWGMLAHQAVHY PYPVPAATHNIVIP
SMCAALPYLIRARQCLIMHRV GKLQRDPKRYQHMMNAFKYSTSMYPLILSAYIKTF SAAD
DTSNLERILVLLTVNASYSLYWDIVMDWGMMDPYKVAQTACGVGIPPSTRK GHTDSCH
HLCLRPRRLRYGLTTLALIVAADSMLRF SWMLKFV PKLFP SNDAFV LCTQFLEVFR RGIWN
LLRVEWENIKQSKKAPHQPSHQVKAHDSLSDVDPLDEQHRVFLLDVDDGDSNSLGGTVNS
TAMPGGRQNE DTPEASMEMKILR
>comp10747_c0_seq1; 215 105 569 LEN=815; translated
MSIYHLFQAQLTRQWRRTPLVPSTSR SISIFGLGTPTPEASSSTFDATSRTSATTTESTT
KVTSNHINKRKISKEVATTYDMPLAQAERIVTMI FDTIVEGVVDGRQVRVSNFGAFDSYM
SKATERKNPKTGEIVQIPSKRRIRFKAYDSFKKA
>comp10750_c0_seq1; 424 1 1467 LEN=1722; translated
DDDDDDDNVNSLVTLDMGPLIGHTTHE SATLWAHYLKPAMYLF EEDYKLVKLYEQQQSE
TKNGRSSKPTLKLIRTIDEVPPDLTRNNAVFCTIESLQPLTAYYYEMSILGRRVGRGSFR
TAPVPPFSLQQQSPSQGEDVEEGTPQENDWADP MFSRENMRKPQTI SPDESPLVHKRDG
NGDYAGVKFDYILASCMDRSEQPVQAVWDEIAYA FFRNHTNGKEQHSYSQHONKKYPDFA
ILAGDTVYMKENIDVDERNGVNFNRLWERNKAQRTEPHFSDFIRNTPMYATWNNHDYGE
WSNVYQLGKEHSLHAFRSLWPTPRSGNNHNNNGIYY SFYWGVDVHFIVTDDRWHRDPASGN
RLGPEQTNWLQSELVHSRGTFKVVVIGSDIMERGWGSDLENIGD TVRLHSIDGVLFHAGD
IHRNEYKRLNTGGFPYPVTQITSSGI AKVWRRPFVHISVDTTAREDPFLTASFY GASSAT
MDESSTQW
>comp10750_c1_seq1; 652 382 2049 LEN=2049; translated
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SRNASPHDPMLLPDNNQLFDNYTFDAVPFNGDMDFPKQRTNP TKTKRQNPKI QNPNPTN
IKNMTIEIPMGIVVDSIKSRTISNISP IGVSSHV LGLGHRNPNFSSRQNRSGGHPDGDS
DSSDDLDRILGAIDDIGDAHNQRRRRHASSKTHRSK KCDKKAGYRKKRWIKSSGWCA
HMKRRSKTDTPKPGSEEKTLNRTLDTGYSSCDENSVEGVDLREKGRNQRQRTPF EESIE
VEVGALVMEEKRSRGKKNKRATKYTGDRPKNSNSIS IWWWILLGVLLAIVLALTAGLLVP
WRSKADTVVAGA QKFTDVAADDDSLAPATITGGDTSL SSTAAPSVRSRISEPTPLPTRL
PESSIPNDSNNNGAPSTLLWKDQPPLWASPVFQPSVSVVNTELP SITKSPSQSPSILEH
ATDAEPELVFLYDDDD
>comp10751_c0_seq1; 834 317 4066 LEN=4114; translated
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HALQPA CLIMITDGA CLRASPEGGGTLK VNSSTLLRDFYQEPFRWDQRI FCLGVGGRES
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VGVSELNATTTSKMGDYRERLLWSRAPVVGYSNDATGVSATTSQNGAPVWSVDDDAMPI
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>comp10752_c0_seq1; 753 198 1919 LEN=2271; translated
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VADPNNNSTGDTIDDGAGKPHRLVNQLTPFAIQLPFAEIKIYKVSSMALSNSLLPVNAAH
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>comp10753_c0_seq1; 1218 1 2437 LEN=2437; translated
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VAVRKEKTKMGSTGNKRKIVLPTDLLGKNDTFVNPDI EVLLEGLPGSEYCTDYVYLKRRG
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KQIREAKAREKEMIEREIKRKAQDERDAKKKQRMDEEEKQRKKRAEERMTKLSIQVDDR
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TTEVILPVNEMTWTEIARLAF LNDALGELGYSRQETAHIIRGYRSTGHPNSKEAKRLGKV
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>comp10754_c0_seq1; 389 103 1266 LEN=1327; translated
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VVVVLGGVGSWAAEALCRSGVGHITLIDLDDICISNTNRQLHALSTSVGQMKIDAMKAR
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RVP IVTCGGSAGRTDPTKFTCDDLTRAVEDNLLSSCRKNLRKYYGFQEGVSPGAKARDPK
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>comp10755_c0_seq1; 188 73 477 LEN=846; translated
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>comp10755_c0_seq2; 129 1 413 LEN=609; minus strand; translated
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>comp10755_c0_seq3; 648 382 3792 LEN=6152; translated
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GLSLLKDDRIS SVLFRASQSNTKNTNSSQAPLNQMLGPLLSEAYEGRSTPLCHLSVIHRH
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DLTGGSIRFISNPAVKAGTTCIVLMALPLCKIPDTIAKQNT EIIQE AISVLVIDDIKMNR
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>comp10755_c0_seq5; 648 382 3792 LEN=6267; translated
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GTARMTLPTRTRS DALRHSDISSLLDILDCVVFVDRSGTINEWNQKTAELTGINTNDAI
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DLTGGSIRFISNPAVKAGTTCIVLMALPLCKIPDTIAKQNT EIIQE AISVLVIDDIKMNR
SMMKRRIKKAIAPNAI I KEAATGEDALLICGREKFDVVVVDQFMEEAGGVMVGT DVVVFAM
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>comp10756_c0_seq1; 562 1 1724 LEN=1731; translated
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DMVEPYAAIVGVNKLALTD DVVPMAPREPNGCMDTRAVMVAQNAETVDIEWTVGGAVTID
STQLWYAKWDDVVPKGGDACWTQP DSSLTDVLRIGGDSIGSGSGFFSDRGPQPRPEESA
TGIRMTNGPLFRATVSLGTFQTGDKIMVMASARVDQSWKDQPENILPLVPPQSHIVNART
DPNYHHE SNGKQIVGRLDWFVSPITIVVGD FKDSVGT R GADSVDAIEVHSR FVDNRSINH
GGVKPNSAQTVQLEIAIWHYLVGITLIVTLAYCCIKSCCNRGYHGVEK LKQGDSFDEDDD
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>comp10756_c0_seq2; 506 1 1867 LEN=1874; translated
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APSF LDHFSPDHEAQVQIGGAYSRYGGGWSTSHPYQHGT MNDEVYVVRGGME XLYV FVTS
GEAFRGNYSVPHTPDHSAHGFLSFFLGAYGGSWTP EKVTPCTPK EFGGYPREKTVYNNST
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NKLALTD DVVPMAPREPNGCMDTRAVMVAQNAETVDIEWTVGGAVTIDSTQLWYAKWDDV
VPKGGDACWTQP DSSLTDVLRIGGDSIGSGSGFFSDRGPQPRPEESATGIRMTNGPLFR
ATVSLGTFQTGDKIMVMASARVDQSWKDQPENILPLVPPQSHIVNARTDPNYHHE SNGKQ
IVGRLDWFVSPITIVVGD FKDSVGT R GADSVDAIEVHSR FVDNRSINHGGVKPNSAQTVQ
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>comp10756_c0_seq3; 490 1 1823 LEN=1830; translated
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HSAHGFLSFFLGAYGGSWTPEKVTCTPKEFGGYPREKTVYNNSTLRVFNMLVETSNAKE
PKHHLGSSLDVNLNGDTAGNGHVSRIIRLSLLAADMVEPYAAIVGVNKLALTDVVPMAPR
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LTDVLQRIGGDSIGSGSGFFSDRGPQPRPEESATGIRMTNGPLFRATVSLGTFQTGDKIM
VMASARVDQSWKDQPENILPLVPPQSHIVNARTDPNYHHESSNGKQIVGRLDWFVSPITIV
VGDFKDSVGTTRGADSVDAIEVHSRFDNRNRSINHGKVPNSAQTVQLEIAIWHYLVGITLI
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IEIPSIN

>comp10756_c0_seq4; 578 1 1768 LEN=1775; translated
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NGHVSRIIRLSLLAADMVEPYAAIVGVNKLALTDVVPMAPREPNGCMDTRAVMVAQNAE
TVDIEWTVGGAVTIDSTQLWYAKWDDVVPKGGDACWTQPDSLTDVLQRIGGDSIGSGSG
FFSDRGPQPRPEESATGIRMTNGPLFRATVSLGTFQTGDKIMVMASARVDQSWKDQPENI
LPLVPPQSHIVNARTDPNYHHESSNGKQIVGRLDWFVSPITIVVGDFKDSVGTTRGADSVDA
IEVHSRFDNRNRSINHGKVPNSAQTVQLEIAIWHYLVGITLIVTLAYCCIKSCCNRGYHG
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>comp10759_c0_seq1; 386 334 1176 LEN=1236; translated
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EVSLPDEQESITKIAKEMLKVMYAAEGVGLAAPQVGINKRLMVYNPSGDSKKWLEETILV
NPTIVDYSADKDEEIEGCLSFPMQGEVIRSKWIKVEAFTPKGRKIKKKFKGWEARIFQH
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>comp10760_c0_seq1; 2059 272 5947 LEN=6047; translated
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LYVREERDSGAYRAAHGTSIVDVSFDSGSGVGAIDKGGHCAIWEFKYTTSLQYSSLVFGD
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>comp10761_c0_seq1; 335 109 1170 LEN=1366; translated
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>comp10762_c0_seq1; 505 90 1226 LEN=1418; translated
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>comp10763_c0_seq1; 328 259 1158 LEN=1273; translated
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>comp10764_c0_seq1; 514 191 1807 LEN=2374; translated
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>comp10765_c0_seq1; 563 1 1915 LEN=3183; translated
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LEGLANQFPKAFDPEIQWEGSAVSEKKRAASD SPSSPATTQARMPQACTPEACMPRACMP
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>comp10765_c0_seq2; 657 1 2614 LEN=3092; translated
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>comp10766_c1_seq1; 1156 1 3410 LEN=5347; translated

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>comp10766_c1_seq2; 1101 1 3373 LEN=3373; translated

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>comp10766_c1_seq3; 801 1 3410 LEN=5433; translated

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>comp10767_c0_seq1; 244 1 723 LEN=953; translated

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>comp10768_c0_seq1; 539 197 2167 LEN=2460; translated
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>comp10769_c0_seq1; 1487 363 4831 LEN=4865; translated
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>comp10770_c0_seq1; 981 238 3119 LEN=3133; translated
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>comp10770_c0_seq2; 340 181 1175 LEN=1189; translated

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>comp10771_c0_seq1; 202 126 890 LEN=993; translated
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>comp10774_c0_seq1; 531 344 1300 LEN=1492; translated
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>comp10776_c0_seq2; 194 194 988 LEN=1063; translated
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>comp10777_c0_seq1; 165 273 509 LEN=509; minus strand; translated
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>comp10778_c0_seq1; 264 383 1039 LEN=1315; translated
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>comp10779_c0_seq1; 960 250 2838 LEN=3056; translated
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>comp10780_c0_seq1; 347 120 1904 LEN=2048; translated
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>comp10780_c0_seq2; 279 933 2018 LEN=2162; translated
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>comp10781_c0_seq1; 389 188 1318 LEN=1563; translated
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>comp10781_c0_seq2; 238 291 1182 LEN=1182; translated
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>comp10781_c0_seq3; 606 291 2237 LEN=2482; translated
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TTRDNEKILVIAPKFVADVDDHDDRDRNPNTLYWLEQGADVPLGHTWRYGADAANAWSPGD
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HSAGGQYVHRWTLSSSNI IWGNDSYTRSSRENSVTANGRYGKAENRKVEVRAVANPR
SYCYLDNRRI INKGADF SNTGVDHYGGKII EIDKRRNKSVDNNTETSIGVNGSTFDRPDY
TFSIPDQKDIQACPTYDQWQWGLQPGGDILSPYKDAALERANSNRRTAIALRYSKRKVFYL
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>comp10784_c0_seq1; 287 231 1037 LEN=1245; translated
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NSWVMDLSSNVMTLHWFGLGIALPWRLVGNRENKGRWKGKAFMKPQLTPAARSAGKGVNR
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>comp10785_c0_seq1; 1234 1 2514 LEN=2977; translated
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PQQTPPPPPPPQQAPPPPPPPSYDNQDAGSGYPQGGVNTFEPGGQRASNNRRPPPSKSN
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>comp10786_c0_seq1; 985 496 3537 LEN=3597; translated
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TGRLLSSRRPNLQNPALQKDKYKIRQAFQASQGNLIVADYGOLELRLASMTDCKSMID
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>comp10786_c0_seq2; 893 496 3632 LEN=3692; translated
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ASQGNLIVADYGQLELRLASMTDCKSMIDAFESGGDFHSRTAMDMFDNVKQKVDDGEV
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WYDARPEVRDWQANTKAYARRFGLTRTLMGRYRQLPEATGRNKRLGHAERASINTPIQG
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GLSKTSVPLLVDGWSWKHKKNWYDAK

>comp10786_c0_seq3; 463 41 1749 LEN=1809; translated
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QAFQASQGNLIVADYGQLELRLASMTDCKSMIDAFESGGDFHSRTAMDMFDNVKQKVDD
DGEVLLLEWDYAKGEPKPKLLKDEYASERRKAKTLNFSIAYGKTAHGLSQDWGVSQQEAQ
MLDKWYDARPEVRDWQANTKAYARRFGLTRTLMGRYRQLPEATGRNKRLGHAERASINT
PIQGGADVAMMAMIKINESEKLRGWIILLQVHDEVMLEGPEETAEEAFDEVIHCMES
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>comp10786_c0_seq4; 555 41 1654 LEN=1714; translated
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REGGVAEEILQSIKDKSNAKPKFIDVTVRSLGMEAIKHTAGGAPSVTADVLRKLAGDPFE
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LNTETGRLSSRRPNLQNPAL EKDKYKIRQAFQASQGNLIVADYGQLELRLASMTDCK
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KTLNFSIAYGKTAHGLSQDWGVSQQEAQEMLDKWDARPEVRDWQANTKAYARRFGLTRT
LMGRYRQLPEATGRNKRLGHAERASINTPIQGGADVAMMAMIKINESEKLRGWIILL
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>comp10789_c0_seq1; 346 94 1641 LEN=1812; translated
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VFVAPTARI AVIRHSFLLI VRYVLMGLMENLEYLTGANIHGYLPHLTAHKMLNYGYVTP
EEMEQVSSLAIVRNPYSRMSIYMYNRFSGESFSHFVKSWYKNMKYYRESGEMEDWYTP
CHVIPMFETHFEQAQMVQSIKQEEELKYLKNPGDIENAKDSSI HDLPKVVRDALLGMPH
TNKRKTSKPWYDLYDQETLNLTYEMYGVDFQIFRYPSTISQRPDLHPPTVSNALTESAAI
SLEDGAYAAAPSSALTKQSVTTATATTSSEEKTEEGTAPLQSPPPAADQPETQQQSP
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LSNSELLHLIDDDDKEGESESHANS DNSIRLTKAD

>comp10790_c0_seq1; 593 1 2475 LEN=2637; translated
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QQESTKTNRAMENKRNRRRMNGRLKFLPLLPSAILFVVVFAHVQLLVKQRYSIDDCNHDK
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LYHASRSFQDSNHDENGRGNDIRNFSEQVSVLDFLDERLELPSHVSKRILQESPRILR
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YTSLNENWELVSPKSSVASGVDSASDQMNVTVHGKQAASGRIRGRYIAASLYNRLLRWHF
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>comp10791_c0_seq1; 276 96 1055 LEN=1231; translated
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KKEGKSEKAKSDKSDKDKKKKNEDNTLAPTDRIPDPSMYPNQTPPTAPTLVKTRAPT
NGPTAAPTNSPVAPTAAPSISSVETTVTSSSESSISSVANGMFKRNRSITNPPSSQPS
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TVEDPVFRKIPIDNLDVRQ

>comp10793_c0_seq1; 537 314 1985 LEN=2161; translated
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SGLVIFYEVNNSLEWRLMFAMGAILPIVVIFASQFVMAESPRWLVSKEEAKTVLRKIY
PEDFDINPVARDIQEGLERERIAEQQIGWKMLVPSPAIRRMLIVGVGIABAQQAVGIDA
IQYYLLDVLEQSGIESEKQQLGGLIALGFLKLLFVGVGAKLLDNQGRKKMLYISLLGTCW
WWWVFPSSIVHWSYSSALNRHLTTNVSGMAGASILTSFSFIGNNTSIFAIVGLCLY
LSFFSVGMGPVAVLIPSEVFPTSIRAKAMSLATLSNRIVATLMASFLLSTANAIGWAPFF
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>comp10793_c0_seq2; 572 912 2018 LEN=2194; translated
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VPSPAIRRMLIVGVGIABAQQAVGIDAIQYYLLDVLEQSGIESEKQQLGGLIALGFLKLL
FVGVGAKLLDNQGRKKMLYISLLGMAGASILTSFSFIGNNTSIFAIVGLCLYLSFFSVGM
GPVAVLIPSEVFPTSIRAKAMSLATLSNRIVATLMASFLLSTANAIGWAPFFILIAAVCL
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AKPTGTMT

>comp10793_c0_seq3; 490 314 2015 LEN=2191; translated
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STANTFAALMVGRSFLGIGVGFGLAIDPLYIAEMTPAKLRGELVTWSEMAINVGIIVLGF
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GLERERIAEQQIGWKMLVPSPAIRRMLIVGVGIABAQQAVGIDAIQYYLLDVLEQSGIE
SEKQQLGGLIALGFLKLLFVGVGAKLLDNQGRKKMLYISLLGMAGASILTSFSFIGNNTS
IFAIVGLCLYLSFFSVGMGPVAVLIPSEVFPTSIRAKAMSLATLSNRIVATLMASFLLST
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>comp10793_c0_seq4; 503 912 2260 LEN=2436; translated
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LANPTWSELVFFCADFDINPVARDIQEGLERERIAEQQIGWKMLVPSPAIRRMLIVGVG
IABAQQAVGIDAIQYYLLDVLEQSGIESEKQQLGGLIALGFLKLLFVGVGAKLLDNQGRK
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TIFAIVGLCLYLSFFSVGMGPVAVLIPSEVFPTSIRAKAMSLATLSNRIVATLMASFLL
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>comp10793_c0_seq5; 561 912 2124 LEN=2300; translated
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VPSPAIRRMLIVGVGIABAQQAVGIDAIQYYLLDVLEQSGIESEKQQLGGLIALGFLKLL
FVGVGAKLLDNQGRKKMLYISLLGTCWWWVFPSSIVHWSYSSALNRHLTTNVSGM
AGASILTSFSFIGNNTSIFAIVGLCLYLSFFSVGMGPVAVLIPSEVFPTSIRAKAMSLAT
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>comp10793_c0_seq6; 465 314 2149 LEN=2325; translated
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VSFPVLQFLSWDGVGFGLAIDPLYIAEMTPAKLRGELVTWSEMAINVGIIVLGFSLGVLV
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GMGPVAVLIPSEVFPTSIRAKAMSLATLSNRIVATLMASFLLSTANAIGWAPFFILIAAV
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>comp10793_c0_seq7; 479 314 2121 LEN=2297; translated
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STANTFAALMVGRSFLGIGVGFGLAIDPLYIAEMTPAKLRGELVTWSEMAINVGIVLGF
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PEGTCLSLCLDPGEDSMFRIEPQPNHSSSCGLANPTWSELVFFCADFDINPVARDIQE
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WSYSSALNRHLTTNVSGMAGASILTSFSFIGNNTSIFAIVGLCLYLSFFSVGMGPVAVLI
PSEVFPTSIRAKAMSLATLSNRIVATLMASTFLSTANAIGWAPFFILIAAVCLVVFVVFV
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>comp10793_c0_seq8; 548 314 1879 LEN=2055; translated
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IQYYLLDVLEQSGIESEKQQLGGLIALGFLKLLFVGVGAKLLDNQGRKKMLYISLLGMAG
ASILTSFSFIGNNTSIFAIVGLCLYLSFFSVGMGPVAVLIPSEVFPTSIRAKAMSLATLS
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>comp10793_c0_seq9; 407 314 2285 LEN=2461; translated
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VSFPVLQFLSWDGVGFGLAIDPLYIAEMTPAKLRGELVTWSEMAINVGIVLGFSLGLVFI
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GGLIALGFLKLLFVGVGAKLLDNQGRKKMLYISLLGTCWWWWWWFPRSSIVHWWSYSSA
LNRHLTTNVSGMAGASILTSFSFIGNNTSIFAIVGLCLYLSFFSVGMGPVAVLIPSEVFP
TSIRAKAMSLATLSNRIVATLMASTFLSTANAIGWAPFFILIAAVCLVVFVVFVLLLPEK
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>comp10793_c0_seq10; 476 314 2043 LEN=2219; translated
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VSFPVLQFLSWDGVGFGLAIDPLYIAEMTPAKLRGELVTWSEMAINVGIVLGFSLGLVFI
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NPVARDIQEGLERERIAEQQIGWKMILVPSPAIRRMLIVGVGIABAQQAVGIDAIQYYLL
DVLEQSGIESEKQQLGGLIALGFLKLLFVGVGAKLLDNQGRKKMLYISLLGMAGASILTS
FSFIGNNTSIFAIVGLCLYLSFFSVGMGPVAVLIPSEVFPTSIRAKAMSLATLSNRIVAT
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>comp10793_c0_seq11; 514 912 2154 LEN=2330; translated
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LANPTWSELVFFCADFDINPVARDIQEGLERERIAEQQIGWKMILVPSPAIRRMLIVGV
IABAQQAVGIDAIQYYLLDVLEQSGIESEKQQLGGLIALGFLKLLFVGVGAKLLDNQGRK
KMLYISLLGMAGASILTSFSFIGNNTSIFAIVGLCLYLSFFSVGMGPVAVLIPSEVFPTS
IRAKAMSLATLSNRIVATLMASTFLSTANAIGWAPFFILIAAVCLVVFVVFVLLLPEKGR
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>comp10793_c0_seq12; 418 314 2179 LEN=2355; translated
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GGLIALGFLKLLFVGVGAKLLDNQGRKKMLYISLLGMAGASILTSFSFIGNNTSIFAIVG
LCLYLSFFSVGMGPVAVLIPSEVFPTSIRAKAMSLATLSNRIVATLMASTFLSTANAIGW

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GSVEMGNLDGDGAKPTGTMT
>comp10794_c0_seq1; 506 37 1760 LEN=2162; translated
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AEDGNRQPEGGGETNGSETDSSSIQRVVLTFSMQGVGFVSVPLVAVLLLLYSTSNLDVVWR
TMLGLGALPGIVLMCLQCHQHRYRRTIGAFPMEQMEDADSDGELENNSVLTSTVSNIS
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IFQPIVVAAAFQTSQNSGTSFEVLRKTSIDSLILTSIALPGYAMAGIIMGKETYCVRQT
PRYVMLQGFAAMTLLYATIGFNWSYLRKDPAMLVLLYGMTFFFANYGPNTTTFILPSLVF
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>comp10794_c0_seq2; 477 189 1831 LEN=2233; translated
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VLTFSMQGVGFVSVPLVAVLLLLYSTSNLDVVWRTMLGLGALPGIVLMCLQCHQHRYRRT
IGAFPMEQMEDADSDGELENNSVLTSTVSNISDDGEQRFMNGGQNVTSSEGDALS IHGGG
WLQNLLEHPGLGRKVI GTAGTLVPLDVVYFNTIFQPIVVAAAFQTSQNSGTSFEVLRK
TSIDSLILTSIALPGYAMAGIIMGKETYCVRQTPRYVMLQGFAAMTLLYATIGFNWSYLR
KDPAMLVLLYGMTFFFANYGPNTTTFILPSLVFEEEHRATWNGVSAAGKMGALTGATLF
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AMANEII
>comp10795_c0_seq1; 408 210 1193 LEN=1232; translated
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VSRVQKGCGRLEVCAKIEQVQKYDEEPIKISVTTLKKSQEVVGVKVKLYPYGAIIDIGANV
RGLLHITKVARLLDQYVSKEEGLKAGFEKAGKVRRLVESVEKRRLSLDFTDDVKEDARK
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>comp10796_c0_seq1; 410 1 951 LEN=1044; translated
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>comp10797_c0_seq1; 210 393 1202 LEN=1478; translated
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AFSPLLKLPKPKPDSFQYLGSAAAQEVGPGRVAQGLTGILGANTQLWLSGVRPSSDD
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REGKSLRISTITAGDPVIVGAI FVHRKL
>comp10798_c0_seq1; 337 195 1049 LEN=1049; translated
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SLSVPDEMKS KKKSSDALGGDLTGREVLFGDGTIGIVVHRPPMVVYRDSDDSKVEEP
SVEGAVTVLDTLYTLNVPKNLQRVDCFGKSVTVGEDGTILNRPIFAPIPQVKDISLINK
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>comp10798_c0_seq2; 285 195 635 LEN=739; translated
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LASALAAPSSSDANTAGQPVATGSIVNVFRGGLVAARIIDDDLKVVNSLEVDIPEVVDP
SLSVPDEMKS KKKSSDALGMQKNQ
>comp10798_c0_seq3; 544 1 1304 LEN=1497; translated
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INKHKSFWDITTRSLVDVFGVDAVVKGDRDGGASSEMRAFFSSLVQRSAQYNKSRGGGSV
TLLLLQKIPAMVDEKDESDFVTPDDFEGSPAKIRERLDLLVKKNIPLTAANLRKIQIPV
PSTAEGIRRLALQHVDDLISMSDQIWLDERLQNSGRSPPMDFQRSITRIGIGADTQSRA

DAAAMRRVVEGLRMELSSQAESMDGADFDTNASKKQLRNAQAWLLAMHQPTSVARTLSES
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GLIEEAIKSYVSQN

>comp10799_c0_seq1; 571 125 1531 LEN=1626; translated
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HFVAAAARQALKDAGVGDTPETLENPETIGVMVGTAFGGMQTFEEQTLKLAKNPERPKVS
PFTIPALLGNTASGVIGIETGCKGPNYGVTSACASGSHAIGEALGMIRDGKCDRMLAGGT
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GANIYAELVGYGATCDAHHITTPAPEGRGLAAAMEMALDESGIEKTDVSYVNAHGTSTAY
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>comp10800_c0_seq1; 696 336 2117 LEN=2148; translated
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PDASAMDGAKKPEQGLWPCMDKMDKELIKISLPVIGNYAIGPLIGAVDLFWVNRMGNALA
VAGQAAANQVFSSAFWFVVSFLPSVTATLVAKQHAKGNKEATQDAICQALFVGGFFIALIGT
PAMFFRADGALSSVLPKGAPAMAYAKPYLMIRAF AFLPSLISLVGFSAFRGILDTPVK
ISAFANVFNALLDPIMIFTLAMGVPGAAMATLAAEVISALIYLGLLRKKQLISWGKLVLP
PSWASLKPLVKGGAALQLRNLSLNLTLAVARVTQSIDQSGVAAAAHAMAIQTFQIGGIV
LLALSTVAQIMVPNAMVERVDEETKASVGGLMHAKATANRLMGWGFVLGCALGSLQILLL
PAMFKATPLQEV RDAAKLPAVIASVLQI INGLVFIGEGIMIGTGSFLQLSLSTLTATLGC
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>comp10800_c0_seq2; 696 353 2134 LEN=2165; translated
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PDASAMDGAKKPEQGLWPCMDKMDKELIKISLPVIGNYAIGPLIGAVDLFWVNRMGNALA
VAGQAAANQVFSSAFWFVVSFLPSVTATLVAKQHAKGNKEATQDAICQALFVGGFFIALIGT
PAMFFRADGALSSVLPKGAPAMAYAKPYLMIRAF AFLPSLISLVGFSAFRGILDTPVK
ISAFANVFNALLDPIMIFTLAMGVPGAAMATLAAEVISALIYLGLLRKKQLISWGKLVLP
PSWASLKPLVKGGAALQLRNLSLNLTLAVARVTQSIDQSGVAAAAHAMAIQTFQIGGIV
LLALSTVAQIMVPNAMVERVDEETKASVGGLMHAKATANRLMGWGFVLGCALGSLQILLL
PAMFKATPLQEV RDAAKLPAVIASVLQI INGLVFIGEGIMIGTGSFLQLSLSTLTATLGC
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>comp10801_c2_seq1; 123 70 404 LEN=404; translated
MLASTVSR LHS AALRRCSRFGTNSFRGFSRSCAARSDDLPHYHIVGMPALSPTMETGILS
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>comp10801_c2_seq2; 334 360 764 LEN=991; translated
MQAGSGDDIEVGVPIMVTVEEEDVAAFADFVLEEAPAEAAPEPASAPEVAPAPEPVAVA
APPPAAPAPVVVEEPAAAAAAPGPTEEMAAAVAPVLSTGWGSFAAVNSPIAKTLAKQQS
EYVALYGTGQVPL

>comp10801_c2_seq3; 221 1 650 LEN=1071; translated
XSSSSSSSGAAGENERASKASGDAPPASP GELVDRIRRDYEEKNYLWTGDLDLGCFREDC
LFADPTISFVGKDKFVENTQNLVPIVEAVAEDYRSDLISISLGSQRRDGKECSYVETRWN
MVGSLTASPCLFWKPGIDVIGRTRFWFESDENAGRGGESGKTESETALRVYFYDESWEV
PAWKALLQILTPAGTFPSTSSSSSSSGGNALDSER

>comp10801_c2_seq4; 400 70 774 LEN=1001; translated
MLASTVSR LHS AALRRCSRFGTNSFRGFSRSCAARSDDLPHYHIVGMPALSPTMETGILS
EWYVEEGAGFSAGESLAKIETDKASIDFEAQDDGYIAKILMQAGSGDDIEVGVPIMVTVE
EEDVAAFADFVLEEAPAEAAPEPASAPEVAPAPEPVAVAAPPPAAPAPVVVEEPAAAAA
AAPGPTEEMAAAVAPVLSTGWGSFAAVNSPIAKTLAKQQSEYVALYGTGQVPL

>comp10802_c0_seq1; 244 50 1198 LEN=2886; translated
MPSFSILVARQVGQRTNALRLRHRPKRIRSTGNSVGVTTAHAVKDEHEEQKLAVLDTID
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VLCERYWGTHPPIYAQLAYLKSVPFVPLLARLGIELNQFQTEEQGLFYRKWNVLRSLVN
DDWNNWYDKEDRNLVDEMYFFVMKALQQLGIFQKGDVRRHRLMRALAYSNSFSERWFRCL
VDLDPNCCKEYGYSTNYGNPHESVYKFAKENGISAFRTIFELGMTHYPTTELGF L FHRH
CYGRTNFELVCCEFGADTVSRIVEDALRIWDEREFDASGKLVDRRKT MALIHAATNSGHH
FEAVYFLLRRDPAVIFYSIK

>comp10803_c0_seq1; 458 233 2212 LEN=2431; translated

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NDWAGIEGSDAMEYFYHTVIGQYTLDEDEQKPTRIVVANVFYLAFTWAI VGCCLSFGLKWT
GRVAYVTMGMPILMLFILLIRAL TLP GASNGVHQYFAEWDWSVLVDKPD IWSTAVSQIFF
SIGIAFGVMTAFGSHCDKNAPAIENSFIIA IANSTFSILSGVCLFSVMGYMTEQENDFRV
YAGPSLLFGVYPAALSTIPGGLHWVRFLFLNMILLGLDSAFALVEAVGSLITDSQYGHVV
TKPMVISAICGIGFFGGLLYTTDAGLLFLDTIDFYVNF AVLFLGFGKALSAGWIYGMKRQ
IENIGNRWNIAYAYFGTTFGSFLFASLVWFGVTGETFWLGFISLVVIY GSGVAYCLHNLK
ELVDEDEKSVSMRFLRNELLMGNILELRDELSSSVGHIPWIWAF LMKHIIPQILLV LFFNL
FFSETAYGTIDFGNYNGYETWPYQAVGVTSALAVFGAVLVGVLD SKIFDCLVSDSTDDSN
NDDSWVDV VEMKEHATSGNNQN NLEEV RVPSPSSEYSIMDDLENPK EATKATAKAILA

>comp10803_c0_seq2; 250 233 1795 LEN=2051; translated
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NDWAGIEGSDAMEYFYHTVIGQYTLDEDEQKPTRIVVANVFYLAFTWAI VGCCLSFGLKWT
GRVAYVTMGMPILMLFILLIRAL TLP GASNGVHQYFAEWDWSVLVDKPD IWSTAVSQIFF
SIGIAFGVMTAFGSHCDKNAPAIENSFIIA IANSTFSILSGVCLFSVMGYMTEQENDFRV
YAGPSLLFGVYPAALSTIPGGLHWVRFLFLNMILLGLDSAFALVEAVGSLITDSQYGHVV
TKPMVISAICGIGFFGGLLYTTDAGLLFLDTIDFYVNF AVLFLGFGKALSAGWIYGMKRQ
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ELVDEDEKSVSMRFLRNELLMGNILELRDELSSSVGHIPWIW

>comp10804_c0_seq1; 1824 204 5615 LEN=5661; translated
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VSHKDLQLRKAYIERIMMLSPATQRL LMSMIEKRKKMGSRNKKTTTPSTKKNPEPHTPSG
RYAAGSPASATPSKRSEAEARSHERKR PGRSGLGGSGHSPFQTAEKAATTTMAVRSRTRS
TSPQTF LRRPTANKETPDPEDTNRRTFRSAFGSPLQQPSAKRIPPPSSERNRNGRHP SRN
IFSPGLGDTAEYESQVQDLRDENEELS YELKKSREKEAEASTKIEDLEEHRKEILRVER
QARERDDATAQKHLAQITQVEKKLKE LSEEYTTARKERDELAKIKDEMEVMSRNKKLLED
TTERLR TYKEKVQOFTDVKDALQRE EEAHSRSVEENLRLQNELKNLQPLKKQLEEYKTRA
VDAEVR LTECQDEFNKLKEEKIASSE ISTHIEQYVIAQVEVEIKELNRNVQONDEANRESS
GVGDGISELNPELKLEILSLRNEN ER LRAFADKRQDDAVAKMEQNVEDQNMLAERYKSQF
LSTKDRLELTGSSLEESQKREAAALRNEVSDKTELGEKYKSQLMAAKEELASTEISLKD SM
SREAKLHEEISDKTKIGERFKSQFLATK SQLESTQRSLQDSKGRESSLRQEVADSL LKIK
NTQEEVKEVSDELSKCAEDLKMSIERESKLEELASWTIDAKDLQOKSN NLSLELT KKAN
ELEYSQK KENTVAAELTELKSELRMVRKRCTSLGDELQHCTLELEQSQFRESNVEERVKE
WMERAKESKEEAENLSSELMQRTADLKE SKENTARLEKRLSESSALHKEAEREIDKLTEK
LGETTKSLEKTCKSLDQSMQRYLDLQNNLSDMTNRAEDAEGISAQRMELVQNTREOLEAA
EQKIVDLVKEKEDLVSSVEALVSQTNEAKNLRENLEDELKKTQDSL RDSGEKLSEAQTSI
DETARSL EDTKDKLHQAE TVNNHRESEIEILKSENETLNDKISLDKRAIDVLRNDLLEAK
NMLQLSREAVAEKEAREKLLSESLQIAGDSAMQLENELFQTKESLRF AQDNRKEAEAREV
SLHEQLNDSETS IQNLTVKLLKTNECLKTSLENIKEIEDRESSMKEQLNDAEDS IASLKN
ELLDIQGCLESTQQKASKLESRLNLSNGELQEAKHVI SELEDSIAKEVGAQOEMLATLED
SKAEKEKMKKEFVSREEELS QALNSEKEKGNK LKQEI SQKEELNALQISLSSSQHREKM
LKHELVKLEDKKGCEEE LAAMKSNMEEIVEQSAKSVASVREIMKAKAEKELEELRQSMN
DLLENEGKAKLEQDILYKEQINKLNQQYNQELLR LKKEGNSSELQKCTEEKDKEIEAKDKE
IEGLKREHEEKIKELERTGKEEKEKLMER GKMMRDLKEEKEKEIKDLTDDVNFLEQKII
GEEEEKMH LGQQFQAKIIEYK KKLQVAAGRINTLSTNNDEFEDRVKLLER EKFKLREEND
RYRRQLGGRTGSDSALHSQLETLQNEFQNAIDENRQLKRKLQGHNIHSLHSIGEDSRSTP
YTRNRGNQSTLLQLRVEYEETIESLNDEKRELIMKNSAAITDVQKAEKRAWLVEQDNAIL
KQDLTSLQLSNERLEKALEDIYRENSVPGHALLSQNN TTESSEDSSIIPSP PSEERKSQFD
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SPR

>comp10807_c0_seq1; 856 1 2071 LEN=2422; translated
XKDPATNLAEVVSSETTVQDLMDLEEYVGT LNFKKVSNIWDTFSSKDESPLETTGLAEAE
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SPTGNATVSASTTSGGTGLSLQDLVGRASSVLDVESISSEIVSAAQKIAKESGVSDFN VQ
FAADRAREATEFAVGVATAANAVLDAGYAYGSRSGAAGMTARDNDPNYVLAASAASQTAG
SVLAAPSGEASDGSNGEGQAHQAPLFGAFAS AQRIEPEYGNV VYQGAEMGSLAGVIYEQ
HAEGCHGLGHSLVANGTTANVVMVTD SVMPDRLSEAFCHHEDDGDSPGASALPRAGPS

LVRTITIRGFDASDENVDREELLKNICLATPEALDDKTADR VV FHKGLLDIAREIYADTK
HFIDWVSPDYKIVLNHGSVGGSLSVLMLLLLLTS DRG VGFVRDR IHRVYSHGSPPIAALVD
SADSEEPSKFGGTQQCPILDAFDLPPSMVYGF IQPYDPVVR LFS DH DVLYPLVDDL GADG
ITLYASGPIRSLRPITRAIFQAWNGWPQFRDNWKGTC DTQYHSVGIQHLLLPDPLRYLND
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>comp10807_c0_seq2; 819 1 2300 LEN=2651; translated
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SPTGNATVSASTTSGGTGLSLQDLVGRASSVLDVESISSEIVSAAQKIAKESGVSDFNVQ
FAADRAREATEFAVGVATAANAVLDAGYAYGSRSGAAGMTARDNDPNYVLAASAASQTAG
SVLAAPS GEASDGSNGEGQA HQAPLFGAFASAQRIE PYEYGNV VYQGAEMGSLAGVIYEQ
HAEGCHGLGHSLVANGTTANVVMVTD SVMDPDRLSEAFCHHEDDGSPGASALPRAGPS
LVRTITIRGFDASDENVDREELLKNICLATPEALDDKTADR VV FHKGLLDIAREIYADTK
HFIDWVSPDYKIVLNHGSVGGSLSVLMLLLLLTS DRG GGSVAGTRCALIALLCRCSCLVG
NSATASSLLFEDVRVFFLVVWNRALYCIPIRTNGISFDSRFRSLCLALAGVQLALS GTGS
IGFTHTHEXPIAALVDSADSEEPSKFGGTQQCPILDAFDLPPSMVYGF IQPYDPVVR LFS
DHDVLYPLVDDL GADGITLYASGPIRSLRPITRAIFQAWNGWPQFRDNWKGTC DTQYHSV
GIQHLLLPDPLRYLNDRFISVNVGVPVDAIVRIAPRDLLPALDQTFPLDTFQVSLVPQA
VRSFLHHPAYDSSVVEYATK LKQEAEPVATKKSRAFKPFLTTKS

>comp10808_c0_seq1; 700 1 3054 LEN=3327; translated
XYEHETPNXGKTIKTLSTTQARLKRSFEIYQCQFVECTYYQFVMASKNKKTPIFSIGLKA
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SLDTSVLKFLGHMGVSQYL VHKRIGDALQKELENE LRKVTSEGALLHLLKNCWSYAVSN
AEFRPILWAVLKQLGAKTPLAVLKALAEKKTGK LKHIEIFRPLPPLLKRLVWEADWAD
KVP IARENSADV KSKYLQMVESTLLYETVQPLIDTYT SVPLL VETSGNFFVNSVTERRV
LTSARRALTNSVSVTTSSNSPNRSGGASSLLNKSSSTTTNNNSKTSESLAQAGKSVSQIR
NMLS DLSRGAASYRPNLLHAVLSILMAQHGARAS IATTGTLHG LLAGSVHLHCTLVTDIL
LSTGGPLPKQFVHVHSLARVLD DAVKNGILTDKDLIKVQEALRSIYKAEPTMEKDGENEK
KVGASGGGSENAPAKNKSAPNKS LIRQLNQIITAGLTEMKSDPQTLFLNPVTD A IAPGY
SDLIKKPM SIVTMENKIENNQYHDKQWEDDVR LMFRCNVN YNRGPTGQWFRGEAKRQLK
IFNDEILPKAKNLFKVEQQKRNPEDELAALKRKR EEEEEK NRPKIKPLESGRKKRKINPQ
EQNL SMVALAS MILADPFVVRILLDRVLR SIRIDTARGSGI PAEHRVIP SVMQLLYLAQW
SPQFCAYRGRQFIIFDTGLELPKTIDAIESTLPHTSLRQYLP IIVHLLRDADLDKRLAIG
GDLHTVANSALPRSEPPRVPTGNDNSPLPQIAMALLEGAF INVCLPGNSQDVSL S ISFAK
FSKTFCTLAHGSVCNETAFFKSLVPVILRHKARLNKAVRDV IISTWLDWLKTPNEDESSE
VGSMD SAAHEYLAMLLNEWASSFGN ILMPRDLLKVA TDVLEVVNATEA APHRKL SALWE
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>comp10809_c0_seq1; 46 1 609 LEN=1033; translated
QETSSFREYDCVKAKSTRHPKTPPQPPLAPEGTEQYINRRATTRHSNDFFTGGNSGCLVS
ETARDEGS AVPLVSRPNAKTNHPRRDSERVCEHRCPADPRAPAGARAPNPAGLVPTRSCR
ARSRLAGMRTRHQQPGRPGSGGDNRD A KRSETEIEIQGQPPLLPCGPKTKKKGKGGKEK
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>comp10810_c0_seq1; 372 256 1110 LEN=1271; translated
MDHSAWQKLG SWMGKIDEA ITAYDQADSEYGTICNRSQSSMLTTTTTANNENDANIALRW
EVLEARRKVV EATCEGYVSLIHQSFEDCKSNVRIATDKSRFEEQRRIMFQDAEVRFADAI
TNHKIRSDRQKANDGNREMKDALDSSAKVVD A VENMKMTVSVDWWMFLQEMDQLIRNR TK
INVE TDQDGDSTDSFSDPPSNDDDKASAKYMDHFNAYLDNMD FEDDCADMI EHEEPVPLY
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>comp10811_c0_seq1; 654 54 2312 LEN=2730; translated
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DGANRVASMLRHMVNIGVANEESYQIVLNALCRRGRLRWIDGDSTVVCAADVVEGLIDEL
WESQIGKISTYTCNLALQAYASCSTPRGDRQYAEKAQALLHDMENEGIEPSVESFSYVIN
AWAQQGNLRSNGCAKMAENNLERLLEKSPDDETKLQGYDWTLEAWSKSQEDDAPVHADR
ILREMKLIKRRNGALQSTLPNSQSYTNA I LAWTKSNSAGEAQKLLYECIENFESGNSSPD
QEP E LFAVNGVISA WARIGR TDKAEV LWKADDIRKKCKSLTLDVCTYNSVLYGYLKD NK
STDNLEKILRIFDFMDKNKEEQPAVTPDCFTHHCVLRALGASNSEKAAEHAVQ TLETMHT
LWEEGDES LR PATAYYNI AINKIAKSGKNANPQKALSILN LLELSQFCNADIISYTTVIE
CFSKSTVQSA AERSLDL FHEAWRIYQEKEDPKMKPNLR TYTMVILSLSKNSTLENI VKAR

DLSQLNVLYNKDKDPELRPNAYPYNLLNSAASCVDAGDKLKAFQIAAQTYNDIRTS
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>comp10811_c0_seq2; 342 54 1169 LEN=1189; translated
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ILSQDI
DGANRVASMLRHMVNIGVANEESYQIVLNALCRRGRLRWIDGDSTVVCAADVVEGLIDEL
WESQIGKISTYTCNLALQAYASCSTPRGDRQYAEGAQALLHDMENEGIEPSVESFSYVIN
AWAQQGNLRSNGCAKMAENLERLLEKSPDDETKLQGYDWTLEAWSKSQEDDAPVHADR
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>comp10812_c0_seq1; 439 188 1297 LEN=1644; translated
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EFFRDMRDLLDDEEHMDAVFLVHPVDAMDADESEAEGGASNVVEIRAHKCILTARTEYFK
ALFRKNAASSDAKGDKVAFKESGACTINVDYCFSPHEITYMLEFIYTNRIQKIGSISTE
DLLSILHLSDLWLLRDLKRLVEHELIRHHMYIHTVAKMYGATEEFNAQRLSRACIEFIMA
NLRQVTGNTTFFEDMKNYPHLCIPVLKAAAEMIPEGPVQVHKRQKTGDS
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SSPVPDSDP

>comp10813_c0_seq1; 780 347 2287 LEN=2551; translated
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FVDSNQVMDTADAENTIRKNNMTCGKESAIESSTDGVMNTINGGGDETSARITESTSAM
KFQPLQPIPEKSLSPGSQQSVHANQSSVVPVSREGGFMMNIQDPVAASKVFKNTQAEND
EENSPSTQLLSHTPPTSMSTPYETMHFGKRPRSGSLSERLLVSTELEEKGMINRDQK
GIL
KDLIISGQDNDIQHALDRYEQGDASMLEGILHNGSLSNKATEEIDLLGQLDFDFLN
VKER
EQQNDTNNHFGGKTGSVASD
GIGDLEFDGGIGNWEQGD
DNRSRSNSTWSALENRTRANST
WSALELALQQQQRSRANSAMSIDLENFRSRNSLFSPLIGNQTPDTQANFGRWMES
SSGS
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APP
GTRVPKQPSAAAI
AKEQMKERQRKERLLKKERKEKEKEKQEKKAMKERAKLERQKKKEGLEQQ
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SRKVRIGR
FLE
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SLT

>comp10813_c0_seq2; 496 1 1338 LEN=1602; translated
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VASD
GIGDLEFDGGIGNWEQGD
DNRSRSNSTWSALENRTRANSTWSALELALQQQQRSRANSAM
SIDLENFRSRNSLFSPLIGNQTPDTQANFGRWMES
SSGS
SAELPVQPEQHQQQLLQQQLQ
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FLE
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DSRLRVKGRFVKKDDELLMRELM
SLT

>comp10813_c0_seq3; 251 1 489 LEN=753; translated
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EKIK
EKEIHVPGSGRPRSMSDPNIKSKVGEDGLLEVERPDGWIGAYSPE
SRKVRIGR
FLE
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SLT

>comp10814_c0_seq1; 1172 150 2999 LEN=3095; translated
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PGSLEKVI
RYLLEKAEDQCNRAKAAADAAA
SESSTP
LSVLEDAEDAEGESGIGPQA
ILLSSMTTDPAKSQRDSLLLVP
SLKFLWEIYRAILDIL
RSNSKLEHVYHATS
VSAFQFCRAYQRRTEFRRLCDLLRMHLGNLQKYGDDSASAKPNSKV
RGWEGWTS
DSIELHLQTRFAQLESASYLKLYTEGFRTVEDIYNILQISHHRRKNNPDFAP
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YEQLIELFWSENYLFHAFAWYKYVLCKEYNKGMS
EEVKAQQASAVLLAA
LCIPSLPSKSDEANALGDSGMKERMGRMATLLGFATSNP
TRSSLLDEINSQGLFKQVPGY
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LWNL
SSAYHTVKIEFLKGLADGLGMSFENVEKSI
VLFQT
HKLAVRIDHRAGCLRF
GDIQMES
DVMRSQLT
TVLGGQLETVCS
TLVPEDSEAKAKARAEIYQTVRDV
RVEEHTRL
LERKSRIE
RKEEVERKAQEEVRRKQQQAAAEDAARKLEEEKRIQREQV
LREEKKKKIQ
QEMENTKKE
QLLRAMGHNTDAMTTEEVSRMDTDK
LQKEHQKLQKKKENAERKTKEAAKHL
DYMVRAVR
IEELPLIRKAYDSKVKQDREQY
EKENVERVEKAKKQWESDIQDKAHLT
SHNVF
SHMSAFE
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AEEDKLN
RARKRKADEEKRRRDEEERL
KREEEERK
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>comp10815_c0_seq1; 212 440 775 LEN=1065; translated
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>comp10815_c0_seq2; 189 440 796 LEN=1168; translated
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>comp10815_c0_seq3; 172 685 903 LEN=1193; translated
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QRQEGGKRKRGD
>comp10816_c0_seq1; 674 1 2107 LEN=2271; translated
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LSPANEISVKKPGNSEGQKSNDFSLVSLLSAVFEEGVVDATSNPRDVSTLYCLHLLAVAL
QETAKDKLQPKRNERDSLPTNIIAISRLLLRSLVISNQATSIGMIGWLGYGSSSVFDRA
LDLPEFVLLQQLSCNMAAEKNWAKASDVLCSLFRCEQNLPRCHPRTLGSMLDLGALTEA
HDINPAKSIVSRTVDLLSRYLSEVESLFFDRRYFELLCEKDPDRVVSFDDRVDVAVGIMQA
FCKKFQEELSRNFLKLLGRNHRITLLNHSLVADSFVLANCLSAGEEKFHTNELRDLAAS
TSCGSRLTLETSPRYYSWLAHSQYEISLRGWIRTESLIHPNAASVAFSARCLRELGKRK
KAIQLMETLASCLEQKVDQIKTTITTMKQATRTKGEESPSSIFMVPLNDAETPLSHAKEK
GPSFISRRRSRPSASISSMPAPLEKEAVTSYEREHTAVLCLWTMAVLTAEESSPDERGRSR
ALSLLHTASLALQRMISKSKDCSKLTSGRDRFSSAIDEQTRLASFDLYQIVEGEALDLFE
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SAAAAANTVANVDNSSGATASGKLMATNQVKNRNPDTAFLFRV
>comp10817_c0_seq1; 358 294 1717 LEN=2373; translated
MIXDKIDVSWESRSGEIFRLLAHESSSLTRSTRQYDFVVDGVSIFSFPRLSELNAEAITL
DHSTSCDRTPPTTVISIDHSASEISDSSVGGSSSVSDCFLHDGNEETRQLPDSGFRLSMAGF
VPCVPLDETVDLLTSSYFNTNKSGLSLRRAVVTGLIQDSEDMVSRAIINALSEDNKINGNN
TCDSIFCGEFPSVLI CGAAEISAEIQANILFLTFFEWTKLYTSCAPRPDFEEQKRLFLQKH
MFAIFVHVHNRRLTEDDAVRTLLDIATLLDIPWPSVQRERDTLIIQDQSKEIYLDTLA
TMKQFDELCRIGVATNRNFAFCRFASARGPLKAFAAADKGSGLDINGNSPQLSLIQKPLVS
GRPGTLSRRSISVSEFRERGERNPRPKPIHARRKSHQRNTISIDKLITESPIFHRMINDP
VLVSPIDVESFQKKNDFGKIYDIKDFRHSSDAIATISVGDGIHDTSNQPQLTFS
>comp10817_c0_seq2; 312 444 1964 LEN=2620; translated
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DHSTSCDRTPPTTVISIDHSASEISDSSVGGSSSVSDCFLHDGNEETRQLPDSGFRLSMAGF
VPCVPLDETVDLLTSSYFNTNKSGLSLRRAVVTGLIQDSEDMVSRAIINALSEDNKINGNN
TCDSIFCGEFPSVLI CGAAEISAEIQANILFLTFFEWTKLYTSCAPRPDFEEQKRLFLQKH
MFAIFVHVHNRRLTEDDAVRTLLDIATLLDIPWPSVQRERDTLIIQDQSKEIYLDTLA
TMKQFDELCRIGVATNRNFGKSHQSVDPMSVFRVVLISKSSDISSLFPLFIAFCRFASAR
GPLKAFAAADKGSGLDINGNSPQLSLIQKPLVSGRPGTLSRRSISVSEFRERGERNPRPKP
IHARRKSHQRNTISIDKLITESPIFHRMINDPVLVSPIDVESFQKKNDFGKIYDIKDFRH
SSDAIATISVGDGIHDTSNQPQLTFS
>comp10817_c0_seq3; 312 294 1814 LEN=2470; translated
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VPCVPLDETVDLLTSSYFNTNKSGLSLRRAVVTGLIQDSEDMVSRAIINALSEDNKINGNN
TCDSIFCGEFPSVLI CGAAEISAEIQANILFLTFFEWTKLYTSCAPRPDFEEQKRLFLQKH
MFAIFVHVHNRRLTEDDAVRTLLDIATLLDIPWPSVQRERDTLIIQDQSKEIYLDTLA
TMKQFDELCRIGVATNRNFGKSHQSVDPMSVFRVVLISKSSDISSLFPLFIAFCRFASAR
GPLKAFAAADKGSGLDINGNSPQLSLIQKPLVSGRPGTLSRRSISVSEFRERGERNPRPKP
IHARRKSHQRNTISIDKLITESPIFHRMINDPVLVSPIDVESFQKKNDFGKIYDIKDFRH
SSDAIATISVGDGIHDTSNQPQLTFS
>comp10817_c0_seq4; 358 444 1867 LEN=2523; translated
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DHSTSCDRTPPTTVISIDHSASEISDSSVGGSSSVSDCFLHDGNEETRQLPDSGFRLSMAGF
VPCVPLDETVDLLTSSYFNTNKSGLSLRRAVVTGLIQDSEDMVSRAIINALSEDNKINGNN
TCDSIFCGEFPSVLI CGAAEISAEIQANILFLTFFEWTKLYTSCAPRPDFEEQKRLFLQKH
MFAIFVHVHNRRLTEDDAVRTLLDIATLLDIPWPSVQRERDTLIIQDQSKEIYLDTLA
TMKQFDELCRIGVATNRNFAFCRFASARGPLKAFAAADKGSGLDINGNSPQLSLIQKPLVS
GRPGTLSRRSISVSEFRERGERNPRPKPIHARRKSHQRNTISIDKLITESPIFHRMINDP

VLVSPIDVESFQKKDNFVKIYDIKDFRHSSDAIATISVGDGIHDTSNQPQLTFS
>comp10818_c0_seq1; 480 66 1169 LEN=1325; translated
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SDKFAAINQAYEALIDEEKRQIYDRYGEGLKQHEKQGGGGGGYDPFDQFFNRGHQRRDQ
EQRTPNVDIPELLETLLEIYSGATFYVSYIRQVLCFKWEMCMKTAHECVGPGIKVQRVQVA
PGFVQQVQQYDDQCVARGKKWQRNCSECQSQTEAEKIELTVDVTKGIRPGEAITFEETAD
EKPGFKAGDLRFIVTEQSDHPVYHREGDNLYMTKTIPLVDALTFGSMTLNKLDGTPFSFK
IDDIVQCDEVMRIPGKGMPPRRSGRGYGDLFITFEVDFPDELSPDQKKNLRELLGGTSSNK
AEHGDEL
>comp10819_c0_seq1; 52 1 102 LEN=753; minus strand; translated
GAEAVDHDLLDEGAAIGRSSMSRLVEVVQESAE
>comp10819_c0_seq2; 708 171 2504 LEN=3264; translated
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DCRRPIHLANVYSPSNVIFLDSTQKTEDMPSDGDNLSGEESSDSSSSSSDSDSDSDSD
DISKDAENSDDDEEALFDDIVGEAAKPIEEAEREHEQRRMDGKGDASYDAEDENEGN
NNDDDSDDDDDDDNDHNSNRKPKRQKTFLDPGEAETATHGPEASQARQPSPATVSPRE
LHGQRRNRLRKYSDGSFYGSPASFAVYRLAAQHRYGEQGDLLWLACVGVTDAYLHARLD
LIGYAKLARELSDLGKLYPNVFDRALNTVYAEDLVGSGSRNGDSKTKIALSENGRIFS
EKDFRFFMLRHSSLLDSMQYSDYICTRMQVYTKKGEQQLMEMLAKMGYPLDECRQPFPFM
RPSLRRRLKEKLGIAAEYNLDRFEFTSFTRVTGYSSLLSASDTYAITALLECTAPGPTI
ESGSEHEEKDQVEAFNNAYDALGSHSLEKSGISAEGYDSSNLVNGGNLSSNVGIGAGLRR
AMALQKNIINTAVGLSERGAIITLLRHFRYAHVASSTMGGETHQLNRRDLIRSSGNNVVG
SDDKRDHVFSKPLALTRLAHLFMDMRENGKWTGTAKARPLVLIADKPRSSTCLIVGYEYP
ERAGDFVKNFTFGKNFEETAKSMNGTFRFDRFDSNVVEVDSGDVQRFMEQLHYLLDQI
>comp10823_c0_seq1; 469 321 2330 LEN=2375; translated
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QCRPLGHAGNTGNAESALALLALQCIAIVTATSASISVGGEGYRMLPNGDNDQPKTCKVA
SNGSNHIGTGQKQRNHFVRKKFGVTFLATALVSSAALGAYFGIQDPGEEERLSLLSAN
NDNRTAPFRGNLTGTPFAGGSAHTPHTATGGFGNSENLSGSEETKNARLQFLVVKLSP
IVSEISELGGYDLLDYISSRRNDDTIVFKGSPQHSALAWLSRAVRCRRRETATATTTTN
TPFRGGEGRLRPPDYQLRYECETALSRQIVNRYVLATMYFAWNGKLWTDSEGWMSYDS
FREDSVQPTTRSSNSSSQTITLPPNMASHFHPNDICSWKGITCRLEQTIGGVAPIALDG
QGSSDNKGSETERETGAERSDENIVELSLPGNNLIGLLPRAKEIRLLSELEVLDSLGNHL
GGTIPEEIGRLARLRELLLQGNRLSGVLPASAVAGTRLDVARLEDNLLASGLDRLLLSPPC
EEAPREFSADCAGRKPRVACPCCTLCCGAAPSLENAKETETIVCSEYQYNNPSTSLTSED
ELRMTQDNI
>comp10824_c0_seq1; 544 68 2128 LEN=2189; translated
MERQESSSFDSSSDEEPNGVSPQQTFSDDAEESCSDDQFSDSERFEAQRGRSRSIELRR
LPYEDLPVTQVTCNLFAMEHRIFLRALLGLLNERETTATQIGMNDPNIKCGPLKKASHV
LSGVWKMKYVEIRRGMLTYFEDTVSGDKNACSLQKNIPLDSNETSCRAVKIHRNGLNMI
QGAIFELKVGKFGRLWLARSKAERHTWIQAINDAMVGRSVTQDSVNAHGKSGAVNSRSPY
KDDLKLYLKVKTILKNSKSKKDYIGGMINLTSREHLDIPVRWIMGQADPGNGRMDGNNLD
GAFVEKSMSSRLEQLWRDLRSRKIRINAELFEGGNHGPEKVLGALTRNIVAVSRSDSKY
YRYAIPESKAVAYARDILLSINRTRSAGDSYFCIDTLSSNSDLVVLVPSRKPDPPLSIKV
ELDESEGLADYVNDNKTGWIRTRNKSQKSWRKRFFILSESTLSFYRHATPLPHGFRKQI
GINDATISVDKAKDQPGYVVSIDPKGSFQERYLYFN SIDKAI SWTHALEYAAKSSSNKG
IFIKRNL RDSKNSPSIDGRQLIEQAMKNHLTTLGLDSCDIDDLVRLSAKKFSRLRISAH
ASTDYNVCTNDPQDGGDTWATLTATFLQRFRITSGRIVRGEEIVRVGVSGCSEILQDAE
NSDDNDKGPSTSSPRRKLGYHRRRRA
>comp10825_c0_seq2; 637 93 2291 LEN=3970; translated
MLAAEFFDKAYNSGNRGTSIQETSANKCVLNFDDGDPSSIPASLGIVTDRRTEHVEINSF
PEEKVPTVSSTKENALAKMAGLSLPIGNVNPGRFSPGTKLDSNGIHDLQVTKPGSLYPF
VQELSTESENYAAIQGKSIPVTSSPSLRWQMYSENGITETDSDRTNVLSYERKIPWLD
KKINDEDSFSENTNVCLRKRDAKGRYLATDTGYTRDYEDRSMQEKESIQNSRTRRQDIRG
AVRKKNYEKISRDNFLKKTIVQLEVDILDKDSLSKAHHCINQLGTDKKNHLKASRTN
SPFLQAPNVSLASNIISNGSDVMPGKLEAVGDETRHESTQCVEGLLRELENSKFKEG
NSKEKLESQIRLDQTSIYSETMKTALQSANDMYLKVERLKKDIFWIDDNSFDDFTWTR
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CNDKATHNETENSSFSKINSNTDSGWGSIDGDGSNNSSKRVNHGCVSPKPPKYFGNNETG
SLDRQASIRLISRDDILHRIDAATEKQRYDVVKTCNSKETESAKLREGNISSHDTGDEA
PLRSSYPDLSSSSWSGENKQSYLSNSKHTSQSSEENNATKQRAKSTKVPSLSIEENGKTH
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SIEVSHLSYTHI

>comp10825_c0_seq3; 637 93 2291 LEN=3875; translated
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VQELSTESENYAAIQGKSIPVTSSPSLRWQMYSENGITETDSDRTNVLSYERKIPWDLA
KKINDEDSFSENTNVCLRKRDAKGRYLATDTGYTRDYEDRSMQEKESI QNSRTRRQDIRG
AVRKKNYEKISRDNFLKKTIVQLEVDILDLDKDSLKAHHCINQLGTDKKNHLKKAARTN
SPFLQAPNVSLEASNIISNGSDVMPLGKLEAVGDETRHESTQCVEGLLRELENSKFKEG
NSKEKLESQIRLDQTSIYSETMKTALQSANDMYLKVERLKKDIFWIDDNSFDDFTWTR
KLNMGAPLECARLYEEGAQDESLVKTTPNGGFDEKAHSRTGRKLI PHEEMKMLMIVETDEK
CNDKATHNETENSSFSKINSNTDSGWGSIDGDGSNNSSKRVNHGCVSPKPPKYFGNNETG
SLDRQASIRLISRDDILHRIDAATEKQRYDVVKTCNSKETESAKLREGNISSHDTGDEA
PLRSSYPDLSSSSWSGENKQSYLSNSKHTSQSSEENNATKQRAKSTKVPSLSIEENGKTH
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SIEVSHLSYTHI

>comp10825_c0_seq4; 278 1 1570 LEN=1623; minus strand; translated
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RVPKRNKHPVTNXLSDRLFRRVGDTSGTWVAPFGKPGCGKSLLASTLGSLSPFRPITVV
SGPEILDKFVGSSEKNLRDIFDNPPDIYEKFRVNEEDGGDSLASAAIHVVVMDEFDAVAR
SRGGS DGKGGQDAGVAKCFRCISTLSLEYTSFELCSSCLVGPCKLMTWTPDQPCPLKLV
SHVVMFLFHSRDSVVNQLLAKMDGVQPLAVPTLVIGLTKRSLIEPALLRPGRFEVQIEIP
PPRTNEQRF SILKVHTQHMFTAGRLQVNDPPPDS PAAQIEEDEVXSDGFDFFIYGNLAA
DSHLSLSSFLNANADTSTLLAYEDLLMKLATLTDEFSGAAIAGVARAAASRALERAVSQ
FSDEIESRETL SIMDCLVTQDDFYEA VNDVRESMGTRDHSED

>comp10825_c0_seq5; 400 1 1475 LEN=1528; minus strand; translated
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YGKPGCGKSLLASTLGSLSPFRPITVVS GPEILDKFVGSSEKNLRDIFDNPPDIYEKFR
VNEEDGGDSLASAAIHVVVMDEFDAVARSRGGS DGKGGQDAGVAKCFRCISTLSLEYTS
FELCSSCLVGPCKLMTWTPDQPCPLKLVSHVVMFLFHSRDSVVNQLLAKMDGVQPLAVPTL
VIGLTKRSLIEPALLRPGRFEVQIEIPPPRTNEQRF SILKVHTQHMFTAGRLQVNDPPP
DSPAAQIEEDEVXSDGFDFFIYGNLAADSHLSLSSFLNANADTSTLLAYEDLLMKLAT
LTDEFSGAAIAGVARAAASRALERAVSQFSDEIESRETL SIMDCLVTQDDFYEA VNDVRE
SMGTRDHSED

>comp10825_c0_seq6; 637 93 2291 LEN=3001; translated
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VQELSTESENYAAIQGKSIPVTSSPSLRWQMYSENGITETDSDRTNVLSYERKIPWDLA
KKINDEDSFSENTNVCLRKRDAKGRYLATDTGYTRDYEDRSMQEKESI QNSRTRRQDIRG
AVRKKNYEKISRDNFLKKTIVQLEVDILDLDKDSLKAHHCINQLGTDKKNHLKKAARTN
SPFLQAPNVSLEASNIISNGSDVMPLGKLEAVGDETRHESTQCVEGLLRELENSKFKEG
NSKEKLESQIRLDQTSIYSETMKTALQSANDMYLKVERLKKDIFWIDDNSFDDFTWTR
KLNMGAPLECARLYEEGAQDESLVKTTPNGGFDEKAHSRTGRKLI PHEEMKMLMIVETDEK
CNDKATHNETENSSFSKINSNTDSGWGSIDGDGSNNSSKRVNHGCVSPKPPKYFGNNETG
SLDRQASIRLISRDDILHRIDAATEKQRYDVVKTCNSKETESAKLREGNISSHDTGDEA
PLRSSYPDLSSSSWSGENKQSYLSNSKHTSQSSEENNATKQRAKSTKVPSLSIEENGKTH
VERSSSSEMINKLMLSKKRLQRADQKLNALVKEAALLNSIPQPEVPRLDNSIEVADNHGD
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>comp10826_c0_seq1; 979 1 2865 LEN=3236; translated
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LRITPDDNTNEMKRQYDASSFTSLGEVYRNAIRMNAENRINASNSWNLNLIDHLDRF
IAPELRSDIGGESVGRRSQVMNPGSANDTVKTTTNP LGSTIDSTMISGVNFTKASCTLDA
SVKIYSYRVDVHLTSYKVLANLNRDGTGTQSNNSKNSVSDTVYNDPNVGNDDGELSS
RSKMPHRKTNAEETLEQNVANINIHKLDAAFDIDPLFHKMSKTFDEGGAKGLLLANLGV

NSGCKIVFDSTLDTEETPAPLISKECLTDQDQDPGIQDEILAPKPTVDVSGLVGKLENLL
SSAYGSYSNMENIPLVPQLASLRNQYAELREGGF IETGVVFSDRYASSTEEEA EADKSIH
LEAIERSQASQADLGRSRI SRESTETYGAVEDNDHYTNSFGYGCDDDNLFEDLHDDHRY
SSSSFQGARASTGDVAANEGSKLSRPTFSQASLLLLDAIASGDI STTQPGNHYEFFNTQAL
ESLSTGNWWAGAGHWKKIPSKRRYKSSPGI IGGNSSNSSGGIEKNARLDLKKRRGRNTKT
KSLSPGSKMLVSI SESTKSLEDLLERSKCKHLKNTTNSFQLTKAMQTKYKADNLLPVD
AGLGIKELGTLFLRPKIGLTDVMKAKQEVEDTMEAVSRTRAVGFGGTETWGVDDDSLYGA
SDDGVGFDVVDTDGTGKDEVHDKNEFVIPDLEDIRKVNRIKIGYATMARKVDVKRLKKDLW
TELEQTFVSKTQDDIERNKNSGDLSIKKTASDEKFRGSNSYDEFDDDIRSNAKI QPTNIA
QSLSFQD TVRDMQANQS QPDVTL PFYFICILHLCNEKGLSLESSGLED FVIHSA
>comp10826_c0_seq2; 702 139 1986 LEN=2357; translated
MSKTFDEGGAKGLLLANLGVSN S GCKIVFDSTLDTEETPAPLISKECLTDQDQDPGIQDE
ILAPKPTVDVSGLVGKLENLLSSAYGSYSNMENIPLVPQLASLRNQYAELREGGF IETGV
VFSDRYASSTEEEA EADKSIHLEAIERSQASQADLGRSRI SRESTETYGAVEDNDHYTNS
FGYGCDDDNLFEDLHDDHRYSSSSFQGARASTGDVAANEGSKLSRPTFSQASLLLLDAIA
SGDI STTQPGNHYEFFNTQALESLSTGNWWAGAGHWKKIPSKRRYKSSPGI IGGNSSNSS
GGIEKNARLDLKKRRGRNTKTKSLLSPGSKMLVSI SESTKSLEDLLERSKCKHLKNTTNS
FQLTKAMQTKYKADNLLPVDAGLGIKELGTLFLRPKIGLTDVMKAKQEVEDTMEAVSRT
RAVGFGGTETWGVDDDSLYGASDDGVGFDVVDTDGTGKDEVHDKNEFVIPDLEDIRKVNRI
KIGYATMARKVDVKRLKKDLWTELEQTFVSKTQDDIERNKNSGDLSIKKTASDEKFRGSN
SYDEFDDDIRSNAKI QPTNIAQSLSFQD TVRDMQANQS QPDVTL PFYFICILHLCNEKGL
SLESSGLED FVIHSA
>comp10827_c0_seq2; 245 154 1187 LEN=1434; translated
MYQRI FDNXARIHHPDKNRGEDSR IAARTFAKINHAYEVL R DDESRRSYDLSQLH SKQGY
DPNGPRYYDQNQKSNHAKFDGKNHTASNTKKFS DSTRRSTCSPVKPQTQFQTLDRSNTS
GFRIASVTQVDKVS GVTKRINFKTASDGTKTIDIKSSDRTGSSYFVPRLTEEKRQQLYKL
FQDNFGTEKANEYFNGKEIECHSANRGP RQKHKSTKSKPVLIRKKDTERS RTEKLFAPSS
PRTVSVAFDGNAAHTFQTEEEKKKNRVHLSGANKRVMSTTKKYSCIGPGNIDFLEKYEGN
IQSISTKERVVVNPNSKHKEVLVEITVTMFDGSSETHKERRVR
>comp10829_c0_seq1; 266 1 941 LEN=941; translated
XDGESGGSSPSWYGVTL DGR TVSTPMGQTLAVPSETLAYMIAAEWDSQTKDLQPSSMPLM
TLACTALDQA AHHPRFYRDTALKYLPD TTTCFWADPTEDRLLHRRQQQAWKGLHGFCADR
LGGASPTTAFGM EGM LMSRKR GDEKPTAGLPHPGALVEAADSWTRSLDAWQLVALNSIAT
QAKSFLIAFAMLEGAGIALGDKGESRAAAPPFADVSDASEASRVEEEFQISVWGLVEGQH
DYDRLNSSIQLHSASLFAKTILLENAEYAPSGKKRPTANKLP TGPLADGTVLWDGQRQR
GTNSFAVFRYRVEA
>comp10830_c0_seq1; 508 467 1681 LEN=1923; translated
MKIVDYARSL SILPSSSSYDDVRPHHLALGYALLGLVSSSKIYKKITGKVFNILSDLTEA
CIPLVHMGLVPDFVIRFGIRLQLRDHLNILASEGAQQELD KKLKIVEKLTMP IAIATDE
ANEQHYEVP AKFYDLCLGPRK KYSSGWWPTPTCTFE ESEVAMLEKYCEHAGVVDGMKIVD
LGCGWGS LTLHLAENYPNAKITGISNSSSQREYILSTAKERGYNVDNITIIITCNVADDKG
ALDVVGDNDLVMTVEMFEHMKNYEILLGKIHKWLKPTGKLFVHIFTHKNFCYEF EKGWMS
DNFFTGGT M P SDDL LLYFANEF SIAEHWRVNGQNYEKT SNGWLDYLDKAWRS GELGPVLA
EAYGAGKEREWYVNRWLF FLACAE LWGYDKGEEWIVSLYLFERR
>comp10831_c0_seq1; 597 36 1991 LEN=2334; translated
MRLSLLVAAVTALVPHLADAGTSDHTYK KDEHIELWVNKVG P YANPQEAYEY YTL PYCAP
ETKHHPETSGGSGRWNEWKSLTMGEHLGGHALRHS GHDILFLSKSKGPEKCTTKPLSLRQ
AEHFSQAIQHRW FYQMYLDDL PVWGMVGEMLPKADQFSLKEKDDLRLDHMT ELKDNEVA
NLHPYVY TTRNLI ISYNKDQIVKVDLTS DPKSLTQVKEGATLEFALHVQFEPTTDEFHSR
FDRYLDHDFFKHPIHWF SVFNSFMMVLFMLGLVALILLRTLKKDYARYGLIHDLEDGEVD
DDEKEAMHDKVEDAGWKVHGDFVRAPSMLPLFAALVGTGSQLVVLTFGVILFAVLGPV
HGEVHEER GEMM QAILICYAFSTIVSGFVSGRYFKEYYPTVARSGNKS GQGNLWQATMGL
TVVLLPVVTTLIFLVLNFASLMYGTINSIPFSVILKLF FLYVFSVPLCVVGTLLGRHSS
KGSASSFPCRVAIPRPIQDVPWY GKPSGLIPLAGLLSFGSIFIELYVLTSLWNYK FY
HVYGF LFGVYAILTIVVGMTSII VVYFCLNAENYLWQWTAFGSGASTSIYVFLYGVY YI
FKTQMHGMLQFSFYFGYMALISINLGLL CGTLGHVAASGFVRAIFQNVKVD
>comp10831_c0_seq2; 583 631 2340 LEN=2683; translated
MGEHLGGHALRHS GHDILFLSKSKGPEKCTTKPLSLRQAEHFSQAIQHRW FYQMYLDDL
VWGMVGEMLPKADQFSLKEKDDLRLDHMT ELKDNEVANLHPYVY TTRNLI ISYNKDQIV
KVDLTS DPKSLTQVKEGATLEFALHVQFEPTTDEFHSRFD RYLDHDFFKHPIHWF SVFNS

FMMVLFMLGMLVALILLRRTLKDYARYGLIHDLEDGEVDDDEKEAMMHDKVEDAGWKQVHG
DVFRAPSMPLPFAALVGTGSQVLVLTFGVILFAVLGPVHGVEHEERGEMMQAILICYAFS
TIVSGFVSGRYFKEYYPTVARSGNKSQGNLWQATMGLTVVLLPVVTTLIFLVLNFASLM
YGTINSIPFSVILKLFLLYVFSVPLCVVGTLLGRHSSKGSASSFPCRVAIIPRPIQDV
PWYGKPSGLIPLAGLLSFGSIFIELYYVLTSLWNYKFYHVYGFVYAILTIVVGMTSI
IVVYFCLNAENYLWQWTAFGSGASTSIYVFLYGVYYYIFKTQMHGMLQFSFYFGYMALIS
INLGLLCGTLGHVAASGFVRAIFQNVKVD

>comp10832_c0_seq1; 530 513 2210 LEN=2651; translated
MATMFKKAGYPRVEWHGKWHVVKTPSDYGFEGWQPPDAGNYLAVNDTLGGGTPDNDGRFL
KDLCNTLEQYHDDNQRKGNNEGQNEPEPFCIVASFVNPHDVYVAQHGPAGKYTRADYKKI
EVPLPPNLMEDPDKNNKPRSQAQMSMRVYEFKSSHQYVNFYAHLHTVVDAQIGKLLDQL
DRLGFTDSTLILRTADHGEQGLSHSLVEKFYNCYQESLHIPLVVSNIAPPEPQTTDALS
SHLDIVPTLAGLLCHKKLESYKGDLTVPLENPQMTTTIAGKNETQETIVGVQSRIFHTY
DDIPCPGAPSKIRCVHKGHMKYAVYFEPLGRDADWELYDLTVDPLENTNLAGNPEYDQTQ
KEMEKEYEVMVEMETLPKEFQWPPKATPHSKGFNHPQREEIEESVNEDHNDGKEEKSTL
GSYTFSEGELVRIFLNVQDVRACSEKDIELKSRERSLSLIVKNYQSEDFMLSFKKLT
EITHARHEIEENRIVLILTKKDHTVKWNSVLFKDPGIEALLQDPIIQQIMRDFHENPVAA
NRAMSNPQTREKILQLVHAGVLKVV

>comp10832_c0_seq2; 518 113 2101 LEN=2542; translated
MSVSELFANGKRPNILIITDQERAIQHWPEFSRDLHPSMERLKKHGLDFKHHYTNTCM
CSPSRSTLLTSQFPKIGVTRTGSPPRALPTDIPNMATMFKKAGYPRVEWHGKWHVVK
TPSDYGFEGWQPPDAGNYLAVNDTLGGGTPDNDGRFLKDLCNTLEQYHDDNQRKGNNEGQ
NEPEPFCIVASFVNPHDVYVAQHGPAGKYTRADYKKI EVPLPPNLMEDPDKNNKPRSQAQ
MSMRVYEFKSSHQYVNFYAHLHTVVDAQIGKLLDQLDRLGFTDSTLILRTADHGEQGLS
HSLVEKFYNCYQESLHIPLVVSNIAPPEPQTTDALSSHLDIVPTLAGLLCHKKLESYK
KDLTPVLENPQMTTTIAGKNETQETIVGVQSRIFHTYDDIPCPGAPSKIRCVHKGHMKYA
VYFEPLGRDADWELYDLTVDPLENTNLAGNPEYDQTQKEMEKEYEVMVEMETLPKEFQW
PPKATPHSKGFNHPQREEIEESVNEDHNDGKEEKSTLGSYTFSEGELVRIFLNVQDVR
ACSEKDIELKSRERSLSLIVKNYQSEDFMLSFKKLTSEITHARHEIEENRIVLILTKKD
HTVKWNSVLFKDPGIEALLQDPIIQQIMRDFHENPVAA NRAMSNPQTREKILQLVHAGVLK
VV

>comp10833_c0_seq1; 576 427 1767 LEN=1767; translated
MSGGIPTGSGHDESVAMNSSRHNENGAPSAQPLPKFCFNWKYCRVYQKAFREYKHPLYN
GVVVKLFHENDPVSMAKASIDRTLCEVSGKRNDWKETEEDTRYCRYVVARHHFTEPLM
KQYLGNNRAWDNDLLDEEDAQRFLYSTDEQYVYSGKDGVDSDDDSDDEGESGKLRYLQ
SPNVPKEEVRELLKTLKAEHARREFANSTSRTPPEPLPSQRKRGTSONRREQDDRPVLL
SPKQENEEDNYAATSPHSRKS SVSGSRKSSKRNNGNSNSTSTKTTTKSSLSREEIVIDS
EDYEDSDEDEYEDNHNSTRKSKNTRNDKTSRNPRKYTTSRSKRRIAKESDDNSSSSQSN
VREENIKLKEQLDSCQKQISMLQNI VEKLSMHVNLDDDGAGARKRS DGGKSKGHKSSR
KAKETTKARRKSKMKADYSDDDDDDDD

>comp10834_c0_seq1; 257 131 895 LEN=983; translated
MIARLTSLLFVFALETIAFLAPKTTLSTTIDKHRTFLATTKNGCLNLHTLYASDRHKNF
AKMLPKAIFDLGCVWAPEMYQLMYGSPFKKDPENIPDMLTCNNQPVRLLDGDIRNIFEE
LYTQECFDGVKIGISSRTDEPDWARELLSKFEVTVNEKSQPIHLINIFNGPVEIAKDSK
AHFRRIHAKTGINYEDMLFFDNEFGNCDQIASMGVSVVYCPDGVTRKLLWDMGLHDEFPRS
DGSVINGDQGLFRW

>comp10835_c0_seq1; 327 88 1092 LEN=1183; translated
MPRLFLLKRSQATSGSGTKSTSTGGSSITNPFRRRRNKKTDRLQDRTPVQGEAVAVES
QRVNAKTFNYPEVGFETWIENSLLYTMIRESSIFPAETVLTALDEEEYSQYFVLNEKEEV
KMERSILDDYDDDDDDVDENDLDADQKEPEAAKVSYAQLTALLALAGEEWSSESSEVPQRI
CNAISKEVIKANKHNLDREREQLKELLDPLIDYAKGRGRKQMFQMLPWFAALTVSTVNPL
TFYATYVSMLAANSENLNKGRADKNTIDMAQMGNRHANVEKASLLDEDDYDDDDDDGAL
VSDHSTVGWDTDEPLRRDRDAPAPCPLGYDYCYG

>comp10835_c1_seq1; 234 550 1157 LEN=1157; translated
MIQTTATARNSPTVPTRRAAGATAPPDEGANDLIKLNIGGRIFPQVLRSTLCQAPSDT
LFRTRIFSKNPGGPPGYPSRSKPLVHYDEEGRIFLDHDPEQMEAIVNFRLMKQIEDPSDPI
VEPPEVPAHKRRDFRRLHLHFFGLTAAFFFYPTTTVAATATMATAPTAVARSVRSMSIDEDP
HPHRAPHGLVGVIVSPGDGNENX

>comp10835_c2_seq1; 641 459 2202 LEN=2275; translated
MTSENSIPLIQPIPIILLGGLTALACVFGVTWVLYRKKTDRTSTTRNDDDDDDDDTCEYPP

TPGDRHWLWGHALS LQPSLLGLPDNISHDVLFLAWMKKLKSKTVMFDLPIGRMIVVGDA
VAKHVLQSKTKSAFPKSPSYKSVHPVVGSTSI VVLEGEKQWQTQRRLYNPGFSPDYLKSTV
SIIAQKCDRFLTACDEEDIDKDLPTNLLDRSVDLTSDVIAQVAFGEDWGYFSGDEGTNED
KNTNIQMRKDGLLET LINFRELTLYIGKNQKQFFQRMFNVLRMYRSWRLSVSIDRAFERLV
RRRLDSVRRSGNIQPTNQKDILSLTLSSFLQESKNNSFSISSDHIKSMTHQLKTFYFAGH
DTTATTISWAFWLLAQHPKMEKARQEV RDIIGLEWTENVIKNGKNEHNLTYEKLQQCQ
YLECIARESRLYP AATTRYAIDPDSRFGNLQLGASMIHLNVYAIQRDPDVWGPDANDF
VPERFLGDEGRNLISSHSYLPFSKGSRDCIGKYFALLEAKIAIAALVTRYDGVPLDKENE
VYMARITSLPENGCMMKRLAEFFDIFDDAIQYLYFILIVM

>comp10836_c0_seq1; 365 194 1108 LEN=1334; translated
MQSSHTENRRRPIGSGGNLKNQFGTVLALSLALVAPDASILPGADALSSQGVVSRFD
QDGTHTTEAVLPDSLFTASSGGDRGARGSILGRGDL SRGRRRLVSKSTKSKKSKGGSEAD
ESPEPTEQTAKSTKSEKTPSKSTKVKSKSLKDSKSGKVSSTKKGKSGNSEKSMKESK
SEKSKKTDPTDETVTASSAALASGENTGPANLPFTSWAVGLAAVALLVGSGLILFFKM
RASSYRYGASKPRSPGNNDGGKYRPIDSSGRIEGTSTGETSAEYGEAGSDEDEDGTSAEY
GDVI

>comp10837_c0_seq1; 178 203 760 LEN=1014; translated
MSATNDQTASPTDAGTPAAPRRSEPTGIAKDPTAGDAGEAVPPQGCSGKTVGTSPRPM
PLADAETKNGKKRPLASVDAAESPRKKTTEDLAIGTKADRQARAVGRDPFQRNLPPIPFV
KTHATRNDSDKSNTVP SGRKKKKKRYSSILSGMIQSKKKE TNIMI EREALRKHLGGDYA
KVDKI

>comp10837_c0_seq2; 178 203 760 LEN=1040; translated
MSATNDQTASPTDAGTPAAPRRSEPTGIAKDPTAGDAGEAVPPQGCSGKTVGTSPRPM
PLADAETKNGKKRPLASVDAAESPRKKTTEDLAIGTKADRQARAVGRDPFQRNLPPIPFV
KTHATRNDSDKSNTVP SGRKKKKKRYSSILSGMIQSKKKE TNIMI EREALRKHLGGDYA
KVDKI

>comp10838_c0_seq1; 401 585 1922 LEN=2225; translated
MSYNDAF SHLTSEEIDHIGRKAWKAASRS AKHMSKYSRIVNPSLEKCI PRFERSEVILGE
FLGSGGFNDVFEIEAIELVKNLEEAHAKKIASPLQQEHRA FVAKHVFRESSQNCRYAMK
FLSIDTIVDPGRYITGAADLVVEAKFLASLEHPNIIKLRGMAAAGTSGFARMEERGYFLL
LDRLQCTLEDKIDVWREYDDDLIDESHSGKDVEPTVREFLAERLHVAFDVCAALDYLHSN
FIIYRDLKPDNIGFDIRGDVKLFD FGLAKELDESLKSEGCELYELSGNTGSLRYMAPEV
ARSEPNLSADVYGFGLLLWQIHS LLDLPYDGMNRQDHSELV VYG SERPEIDPTWSNPLRI
LMKRSWESEPLARPTMDSIYKILRREICALRDGDDTGLEHTKRRSTFVIGRDSASNKSRK
NSSRIKASLDHEGVEGRHKTPVNEE

>comp10838_c0_seq2; 166 110 415 LEN=1448; translated
MAAAGTSGFARMEERGYFLLLDRLQCTLEDKIDVWREYDDDLIDESHSGKDVEPTVREFL
AERLHVAFDVCAALDYLHSNFIIYRDLKPDNIGFDIRGECS

>comp10838_c0_seq3; 222 585 1370 LEN=2403; translated
MSYNDAF SHLTSEEIDHIGRKAWKAASRS AKHMSKYSRIVNPSLEKCI PRFERSEVILGE
FLGSGGFNDVFEIEAIELVKNLEEAHAKKIASPLQQEHRA FVAKHVFRESSQNCRYAMK
FLSIDTIVDPGRYITGAADLVVEAKFLASLEHPNIIKLRGMAAAGTSGFARMEERGYFLL
LDRLQCTLEDKIDVWREYDDDLIDESHSGKDVEPTVREFLAERLHVAFDVCAALDYLHSN
FIIYRDLKPDNIGFDIRGECS

>comp10838_c0_seq4; 343 431 1946 LEN=2249; translated
MSYNDAF SHLTSEEIDHIGRKAWKAASRS AKHMSKYSRIVNPSLEKCI PRFERSEVILGE
FLGSGGFNDVFEIEAIELVKNLEEAHAKKIASPLQQEHRA FVAKHVFRESSQNCRYAMK
FLSIDTIVDPGRYITGAADLVVEAKFLASLEHPNIIKLRGMAAAGTSGFARMEERGYFLL
LDRLQCTLEDKIDVWREYDDDLIDESHSGKDVEPTVREFLAERLHVAFDVCAALDYLHSN
FIIYRDLKPDNIGFDIRGCVRSVWCNQYLR SALHGRARTKLLFGLR LFSHDI FLGSPLCS
LWIYFLLFFCRCHFPCGDVKLFD FGLAKELDESLKSEGCELYELSGNTGSLRYMAPEVA
RSEPNLSADVYGFGLLLWQIHS LLDLPYDGMNRQDHSELV VYG SERPEIDPTWSNPLRI
MKRSWESEPLARPTMDSIYKILRREICALRDGDDTGLEHTKRRSTFVIGRDSASNKSRK
NSSRIKASLDHEGVEGRHKTPVNEE

>comp10838_c0_seq5; 210 110 967 LEN=1270; translated
MAAAGTSGFARMEERGYFLLLDRLQCTLEDKIDVWREYDDDLIDESHSGKDVEPTVREFL
AERLHVAFDVCAALDYLHSNFIIYRDLKPDNIGFDIRGDVKLFD FGLAKELDESLKSEG
SELYELSGNTGSLRYMAPEVARSEPNLSADVYGFGLLLWQIHS LLDLPYDGMNRQDHSEL
VYG SERPEIDPTWSNPLRI LMKRSWESEPLARPTMDSIYKILRREICALRDGDDTGLEH
TKRRSTFVIGRDSASNKSRKNS SRIKASLDHEGVEGRHKTPVNEE

>comp10838_c0_seq6; 401 431 1768 LEN=2071; translated
MSYNDAFSHLTSEEIDHIGRKAWKAASRSASKHMSKYSRIVNPSLEKCI PRFERSEVILGE
FLGSGGFNDVFEIEAIELVKNLEEAHAKKIASPLQQEHRA FVAKHVFRESSQNCRYAMK
FLSIDTIVDPGRYITGAADLVVEAKFLASLEHPNIIKLRGMAAAGTSGFARMEERGYFLL
LDRLQCTLEDKIDVWREYDDDLIDESHSGKDVEPTVREFLAERLHVAFDVCAALDYLSN
FIIYRDLKPDNIGFDIRGDVKLFDGLAKELDESLKSEGCELYELSGNTGSLRYMAPEV
ARSEPYNLSADVGFGLLLWQIHSLDLPYDGMNRQDHSELVVYGSERPEIDPTWSNPLRI
LMKRSWESEPLARPTMDSIYKILRREICALRDGDDTGLEHTKRRSTFVIGRDSASNKSRK
NSSRIKASLDHEGVEGRHKTPNEE

>comp10839_c0_seq1; 1128 475 3423 LEN=3828; translated
MPNNVSKNNYQEQRQRSKAGARVFKSKKESEQEKLRRLKQLAKASDLEDQLGALMSTNS
KAQGDDNKPYRLRSHLCEVLSVLISSPKLSLEKDCFQRLWRCCFYNPRIWRQRVSREK
RKRSPNLTTTQEGFKNFLSEAVTLYDFLILQYLSKLCPSSTQQDCSMTQQSKDTYTTYDR
SQLEDTQYASQSTTAIIAEPAEQVEGVVHGLYKLYIFMGDLHRYAEAYNKAESNYLNASK
LGPGLGNPYNQLAVVAFSKETYCV ALYWYARSL LATHERFSTSSNNLERLFASNREFLRE
HGRNSGVPMVLSQASVASSHKGSGKNKNIKTNSNNKNSMLRAQKVAVSKSCLTHFVDL
HYDLYLLKQQQSSKNTNLKVLD SNYHDQSRKNIRNVTASLKS LVQASGFSDSLLCKIVVI
NSFSLERAIDCPD TDALGGTVENLPLELGKELFYSGLGLVLAEHTEGLLAKSLEKASMNKV
APSVRCLLPLEMMLDFCNRLRIQNGEKLHDDQKPAEIEFWKRVSQVANQVRNVLKG YQVV
HGGTKDDSKGRIIGGSSTPHWTRIKEYQLLKGYPFSIVNEEYLSNEDGLLDAIEAVDVL
ELTAPSQSQDTC AASTLSTSGGGGGGAQENVARLFRMIEVCDELASANSLAPLTSENGTY
NYQQKNSSSSPGESLGSDNNHINQEEIESQEENCGFVGD DDDDEAGDLIIISTENRKETP
TNGAPPQTMNRDGITIAPLSSTDVIEKPKPPLQPV EEPENGDDVVM AVVEEEKSSNPVIP
SMLKPPPFGFVAPTQPAPNYSETTVNDKHM TAMTTNPTTNVTGFAYPPVASHGLDALDKV
MQANATAATSSFLYQMPQQQQRSV EPVPSLMERSLYQNSPYPLETGRSNLPTSVEESTLI
FGDMRTANPFAMEMPPSSFSVSSNNTRMTRNIHGNPVSSIIPDFAAEVTNAPDDTKWLN
SNLLNSLFMEDTSKTSNPWASK

>comp10840_c0_seq1; 195 1022 1387 LEN=1579; minus strand; translated
MVGSGTMGERVASGMIPSSLSSTTPAAAFARLSRRAIRRLAGFCLKSLLICVDECFDRTA
MALIVLVVWWLPSVQFHGDEPTGKTEEDAGVVVDDSSKDCGLCRHARAEISLEDERPIKF
R

>comp10840_c0_seq2; 195 711 1076 LEN=1268; minus strand; translated
MVGSGTMGERVASGMIPSSLSSTTPAAAFARLSRRAIRRLAGFCLKSLLICVDECFDRTA
MALIVLVVWWLPSVQFHGDEPTGKTEEDAGVVVDDSSKDCGLCRHARAEISLEDERPIKF
R

>comp10841_c0_seq1; 122 1 802 LEN=1145; translated
XSF DNNDPENVR AIHCNTIDMDSGEARGIPRGYVLQLSGTTGKTQLALQFAAQAITQLS
QQSPGSNERIRYCYSTAGHS GSSLAKRLFELLEQTSNSDHGTRMDAARKIDFQPVSTLSQ
LTTTLAKLEEEWLEHTTAP EHQQQRTQEGHGGGKGPVAMLVFDSLPSMMTEREETERIR
SLDRWLRIARHYSIWI VVVVTPGGGSSLASASVYGNAMSADIHLGLRKQTPARSILRLLR
HPAKAVTEQDSITVLHNSKCGITTP EE

>comp10842_c0_seq1; 148 159 841 LEN=1142; translated
MIGIAASPLFAFCFVLALAQ TGVDAAGSHKHRRDKNPAKERGEFCKDVPDHKCDLVAKH
GDCNKFTP SGDSFQHSVCRSTCKE CGNNVPDEISTENLCY EFGKESINVNFSNSKPD LDD
WVG IYPITADVTDLGAPVSWFWL CGGXESEVSDQH WVRDVSLATPGIYKAVMSRNRATTG
PYANYGPYKSYAESKPF EFSRGNM CASRRRRAEGTVALRGTSTGDAA

>comp10844_c0_seq2; 178 1 585 LEN=585; translated
XEA AKESDKVCITWACYF ISSRLLLKLLLDAGAKDFSMVFLHCDEEAHMDALWNRTRCM
AEQAGLTITEFFALFAPEVTNEGEVTKEDWAFIQANDDWNKI WQHADESERPFQTV DVT
AKDATVLD SLDAAFGIEDSNRSHLAYDEIVAKVRALDHERDLKSFEAHKASLEDSEENKE
ELEFAKKEPELCQARR

>comp10845_c0_seq1; 917 205 1581 LEN=1627; translated
MKLTVKTLKGSKFVVDCEPSNTILEVKGIIESTQSDMPASNKLIHSGKVLKDDPTIESC
GIKPNDFLVVMVTKAKKAAAKAPAPAPTEKAEAPKAAAPAAAAPPDSDAKMSSAGDDKKT
EESA EAPAVAGDASAGDGLSTETVNSLTGMGFPEAEVRHCLRAANGNPDI AVEFLTNGIP
PGMQPGEQGASSSSSSPSSASGGGTLAALRNHPQFNALRQLVQSNPAMLQQVMFQIGQQQ
PELLMEINNNQEAFL EMMNEPITETSTPSSGSSASNAGSETQSSSSSDAATGMPGIPPG
MMEGMANPAQMAQLIQNMSPEL NQMATMMGLSPDQLRSTAQMLGQIPPEQLQQYMMQAM
QGGGGGLDGMGGGAGGGGGPQVLR LTEEEMA AVNRLADMGFDRTEAAQAYLACDKNEALA
ANLLMDSMDSGGFGGGFDGGANDGGNNSGGNDGDDMYD

>comp10845_c0_seq2; 909 504 2025 LEN=2071; translated
MPASNLKLIHSGKVLKDDPTIESKDFAKAKKDDSTDPATPRFGGLRTERATPSGTDATQHN
AIPDPWHQRHTVAIALFRSSPPAACSPFFRTDALLCLRSIPCLSHPGCGIKPNDFLVVMV
TKAKKAAAKAPAPAPTEKAEAPKAAAPAAAAPPDSDAKMSSAGDDKKTEESAEAPAVAGD
ASAGDGLSTETVNSLTGMGFPEAEVRHCLRAANGNPDIAVEFLTNGIPPGMQPGEQGASS
SSSSPSSASGGGTLAALRNHPQFNALRQLVQSNPAMLQQVMFQIGQQQPELLMEINNNQE
AFLEMMNEPITETSTPSSGSSASNAGSETQSSSSSSDAATGMPGIPPGMMEGMANPAQMA
QLIQNMSDELNQMATMMGLSPDQLRSTAQMLGQIPPEQLQQYMMQAMQGGGGGLDGMGG
GAGGGGGPQVLRRLTEEEEMAAVNRLADMGFDRTEAAQAYLACDKNEALANLLMDSMDSGG
FGGGFDGGANDGGNNSGGNDGDDMYD

>comp10845_c0_seq3; 972 205 1834 LEN=1880; translated
MKLTVKTLKGSKFVVDCEPSNTILEVKGIIESTQSDMPASNLKLIHSGKVLKDDPTIESK
DFAKAKKDDSTDPATPRFGGLRTERATPSGTDATQHNAIPDPWHQRHTVAIALFRSSPPAA
CSPFFRTDALLCLRSIPCLSHPGCGIKPNDFLVVMVTKAKKAAAKAPAPAPTEKAEAPKA
AAPAAAAPPDSDAKMSSAGDDKKTEESAEAPAVAGDASAGDGLSTETVNSLTGMGFPEAE
VRHCLRAANGNPDIAVEFLTNGIPPGMQPGEQGASSSSSSPSSASGGGTLAALRNHPQFN
ALRQLVQSNPAMLQQVMFQIGQQQPELLMEINNNQEAFLLEMMNEPITETSTPSSGSSASN
AGSETQSSSSSSDAATGMPGIPPGMMEGMANPAQMAQLIQNMSDELNQMATMMGLSPDQ
LRSTAQMLGQIPPEQLQQYMMQAMQGGGGGLDGMGGGAGGGGGPQVLRRLTEEEEMAAVNRL
ADMGFDRTEAAQAYLACDKNEALANLLMDSMDSGGFGGGFDGGANDGGNNSGGNDGDDM
YD

>comp10846_c0_seq1; 366 38 542 LEN=542; translated
MKVSQAILLSVVLGFAVAHAHQDVGNTNVRILKKSCKGKTKAPTMAPTKGTTKMPPTAA
PTAAPTAAPTAAPTAPPTTTTAPPTVSSTSTSTSTSTTGEFFPSSTPSEFFPSASPSDVPSA
SPSESPSASPSASPSDSPAAPSASPSAAPSASPSATPSASPSASPSAX

>comp10847_c0_seq1; 388 1 1293 LEN=1345; translated
SDGPSLSPSVAPSPQPIYTSVAGKTIPSPSTNSLMPSDRPSLVPDGPSPVSDGSPSLVP
SDGPSLMPDGPSPSLSPAAPSFSSLLPSDGPSLAIANPNKIGVRNNYFSQRLPPGIFAK
RRTSPPTRGPTKNISTVDPPTISGRNEDMCKTASMVDRRKHIFEYISSLSGREALDDPQH
PVFTASSWIATEDPLEVCPGEANFTQRYILALLYFYTSGDWNKCSKDVNTPCDGERFLS
DSNECDWGGVTCDSLQRVTNLNLDENNMKGSIPQELRFLYHLEELDLDSNSLVGHLPSWL
GGMQYLEKLDVDRNILSGPIPEELYSSTTLRFIDIDRNILSGTVSSKIGTMSQLVIFYQAD
FNQLIGTIPTIEIGNIPNLKYFSVFGNGFNKSVGIPSEMCGLNIIQIYANCEMCKNVGACCT
VCLPEDESIY

>comp10849_c0_seq1; 312 90 956 LEN=969; translated
MSSVLKGVRCPVAVALVALIVILSSQRCLSFGLGKVFSRFGSSSPSLSVPGIGEKNKITE
QVQTAKKELIETISNTNNGKESLDTQIRVLGLIDYLETNPVSESLTDTKTESDAIDGV
WYLQYTQPSEPEGVDMENDIKPWTPEETAITKEFEKSIQVKNSGSVSFLGLLNVDTSKRL
TTQTIGVEKLLFANAQDFGTIEVKGFFEIDSVPNRIIASFENGLTLTKSGFVIDFSFL
FALRSYLNGLKAGGWLETTYIDKDIRIGRGNRGSFLILSRDKDTIVP

>comp10850_c0_seq1; 262 173 640 LEN=1845; translated
MGLFDGISNGISKAFTNQDFKTQDQVRASHILIKGDDSDKVLGSIMDLLGEIQARAGEG
DEPLPQVFADLARRESQCPKQGGDLGMFGKGMVKEFDQALFPDDASLAPPAGNIIGP
VITDFGAHIIIFITKRDENKDQVEEKLARIDPDAAQ

>comp10851_c0_seq1; 182 303 1373 LEN=1822; translated
MGKSSKDGNDLPPKPKALFLNCTRLDYDKNLNFEGLSAITDFHRHDVDAIPPRGDPDEA
SEDEIVRLVNEVHAGTEILILKEMQLPQSAVERFSGSVKLICEAGTGYNNIPIETCRGKN
IAVCNIPYSTDVAQTAITYIMNFAMNVFEQQRMLCKNDRSNFTGPFTLPLMELAGKTL
GLVGGSGRIGTRVAEIALTLGMKVIISRRGVASLPESHALAGNTRVTVTTDVGELLEASD
FVSLHAPLNAETEGTFGRSEVSRMKPTAYLINTSRGKVCAGEEELLDCLLEGLIAGAGLDV
TASEPPAPDSRLWLSLNNVWLSPHIGWRRLETRQRLVNMTLDNVAAYVSGKPINLVG

>comp10851_c0_seq2; 182 303 1373 LEN=1794; translated
MGKSSKDGNDLPPKPKALFLNCTRLDYDKNLNFEGLSAITDFHRHDVDAIPPRGDPDEA
SEDEIVRLVNEVHAGTEILILKEMQLPQSAVERFSGSVKLICEAGTGYNNIPIETCRGKN
IAVCNIPYSTDVAQTAITYIMNFAMNVFEQQRMLCKNDRSNFTGPFTLPLMELAGKTL
GLVGGSGRIGTRVAEIALTLGMKVIISRRGVASLPESHALAGNTRVTVTTDVGELLEASD
FVSLHAPLNAETEGTFGRSEVSRMKPTAYLINTSRGKVCAGEEELLDCLLEGLIAGAGLDV
TASEPPAPDSRLWLSLNNVWLSPHIGWRRLETRQRLVNMTLDNVAAYVSGKPINLVG

>comp10852_c0_seq1; 259 1 484 LEN=900; translated
XNNNNNSNNSNKGDEKNRGSDDNSNKRPTGKNRKESEGWETTAMDSKTKNSAQQRNS

SGRAGAGGRDGGKDRGRGNHQQRGGNNSNHGGRGDSRRGSSARNKQNEKKNHDKKQQQAAEE
KATATAVAAKANNRNNKATESAPKPVAPRNKFALLDDSDSD
>comp10852_c0_seq2; 143 1 331 LEN=747; translated
XAAQQNRRSSGRAGAGGRDGGKDRGRGNHQQRGGNNSNHGGRGDSRRGSSARNKQNEKKNH
DKKQQQAAEEKATATAVAAKANNRNNKATESAPKPVAPRNKFALLDDSDSD
>comp10852_c0_seq3; 855 1 3373 LEN=3607; translated
XANDRNSQSVESHRSQSANPKDAASGRTKAGKFIGGAERARRNAQKRSWKPQKNSRHQKR
NRQVGGFFGGCEASHPLSRTKLRSTERFFAALLDPANFGAEPEPSEHKRHSAAEAILQKICW
RLGLGPLPASNNNNNSNANIPHTDDMRQFFSWRAILVMEESRFELSEALRKCRGTRFAA
SKRHRNPRPSRSSNTAPGLSSSCSWITVKLLDVRDHPRSGFLVLELDKADVSGGSRRFTF
EELLQQRPGSCFELSAEPVKSSTGSSDINKSNANAKDTDDGHPNHEWATAVKTLGSVGPG
KRGSTKLVLIYDETSINDLKRLFYQQQSIVLRIRFCTTLISQCRQFEACDFGSTGHR
KRGSSSSNSSGLLKQIMGQKQATHIRFEYSDDDEESDNEIEKEQKNFSDGEEGAEIIGYI
IDDNDDEEERFHEAEDFQQSEEGKNQNLDEGEEQKQRRKPSLSLSSFTGLKKNLQTOEFA
ARDFCTDCGDNDRAPTLVNSNGTKDILLQLVQGGPGTGKTTFFVSVLARLLCSESSSSSK
RKRPRRILVTAPTNAKAVGVIKRFLEACPGLLEKHGIPVALIGVEDKLFDAKNKTIITAKE
TKRNASKNTRHCSVESTAKDSSIAGVSFADEQLKRIFCYTWIESLAEDYNELSALLTSA
QEKISVPVGSYAGDRGVAAWLTNMFPPKSGSYSLMAGSDSDSDTEEEELTEHKGNASET
PAARKNSACTQNALVARARGLHIRLIRNLPRLSESSGVANLSRKLQSLVGDPCPNQEPKL
SEARFFLDEILNIIRGENQPNASGVRVDTDESNNDSSENEGRSLEADAIPPELLATARVIFC
TLSTAGTSLMKQTRRVDDWIVDEAAAATEAELLIPLHLDPKRLAVGDPMLPASVASPL
AVGWGLGSLHERLTVDLGRSQTMLDVQYRMKPEISEFSPNQFYDGRLTNGDNVRCPNYG
LLNHAKKHVPVNGNGSQQLLQTPPWCFQVEGKERQSYSGSYFNVEEASAVVAVLKEIRA
SGNLIKQKTGREESYSWFSSEKVRVITFYSAQVATLQMLRREGMPQDLVHTVDSSQGC
ADIVILSFVRSRAGFLADDRMNVALTRAKYKLICLCNMRESLW
>comp10853_c0_seq1; 368 269 1708 LEN=2717; translated
MSSQQHHGGASNQPESSMQLFQQRDLRAIQTVLKENFDADSKTCFLTLKVLNLIKTP
HNPKVRSLRTQNSAIRSKIIERHGHNVLLACGFVLEKDPAGIGMPEGSGEERLVLHYPGE
SSSSDGGSPGEDAVLQRLVKARHTLARIGVLELRIPADSLPKFRYQPPPKIRSGASNAAP
TNMNSFDIYQGRFDGQSASVGTNLGPPANWKSKEEELAEKRRERELEREFALGNASN
TTNTAAKRKPMVERQWTVVMPGQTASSGNVSSSATASASGDSQLLASHFQRQHAKNKA
QNRGFTTKAMRDREKLLSTKVYSHTQLAIAFPDACVVRANFGTSETVGAULDGLKQNVLL
PVEGCEALDLYQTPRVLDPAKTLKELGLLPAARVYVSWKKPSPAGPRAKGWYLRPELL
SNQGGATAAMPTSVAVAGNGGKNTQKANPNPSVAAKPKTKAEKEAALMKRMLGGKKFF
>comp10854_c0_seq1; 139 1135 1726 LEN=1835; minus strand; translated
MTRPQSAIKDRTKFDCLSIIRRLTSNASDGGSDIILNTDYRVVGRIQDLRGGHQCDRKRQ
YCKGSKEKVTCEYWSVAEELGQFVHPVELAEQNREDNYGTEEQPVVYLAKDVHSFRLEV
HDDIDPGNTQQMVAAMCNKAPRQSTDSIVGWPIAMIGLDRKQLIKTKDPRVAKRFTPNEA
PQSPISNLGAVIILPV
>comp10855_c0_seq1; 645 252 1743 LEN=1779; translated
MALTSTTAPGKVFASRAEIANHYKSDWHKYNLKRREAGLPLLEEKEFQVRLEAALALRKE
KEKKNGTDHIKDVNSKSKKKIEKKNKRKNKNSAEKNNKSSTAADTEMATEEQSEAEATK
SRIPAALAASQENPEIDPKQSLFDQHVSHSLKENVHYMQQKYGFFIPDKECIADLEXP
IGLLSRKNQIGSLLSLQPVSGVXVMSSFLSINSDRLFPVDVLLFQVLYVLIERYSI
RSLFSFLFNQRKPFRTNTRVFPPTWQGCQQHMDKQHCCKLRYEEGFWEELDPFYDFR
SEDKEFVVDKIQSNNVTDDESDASDMVTDGNDGDDGWDMSDGEEMFDGYEQEIKRFG
LNVNALGELVFPDGRVVGHRALRRYYDQKVSADTTKSLAIVAACKASGERMYN
GRVVNIYDHNKLDKVRGAGKILVATGGGDSGTPATFSTLSLYRFRAAIRKQRRGDAK
WEKIRNKALGKNTNRMDKANRLMNGVSVAAHAAR
>comp10855_c0_seq2; 711 252 1574 LEN=1610; translated
MALTSTTAPGKVFASRAEIANHYKSDWHKYNLKRREAGLPLLEEKEFQVRLEAALALRKE
KEKKNGTDHIKDVNSKSKKKIEKKNKRKNKNSAEKNNKSSTAADTEMATEEQSEAEATK
SRIPAALAASQENPEIDPKQSLFDQHVSHSLKENVHYMQQKYGFFIPDKECIADLEGLL
GYCHEKIKLGHYCLYCNQVFPPTWQGCQQHMDKQHCCKLRYEEGFWEELDPFYDFR
SEDKEFVVDKIQSNNVTDDESDASDMVTDGNDGDDGWDMSDGEEMFDGYEQEIKRFG
LNVNALGELVFPDGRVVGHRALRRYYDQKVSADTTKSLAIVAACKASGERMYN
GRVVNIYDHNKLDKVRGAGKILVATGGGDSGTPATFSTLSLYRFRAAIRKQRRGDAK
WEKIRNKALGKNTNRMDKANRLMNGVSVAAHAAR
>comp10856_c1_seq1; 505 1 1729 LEN=1760; translated
XRLLPDNPWLWHGMGHLELSHGRTDYGVRCYQRAIQEDPSFAHSYHAWGIHEFSE
GNIK

AMKILKKGIEYCPTNHRLHHALGDLYRGAKLLKDAERCYKRALEEGPAVSHGFALSALAN
VAYELGNVDEARLWLYQSIIESNNGRHAQGWLALAQLEEAEGSVEQALTVCEAAIIRYEKE
LIDARKRYKRDSRNSVYYAKTFRDPTRSKEVREGLMESVPKYRSGDKFLSVFRHWARLEG
RYGTHDGTNRVYERASAAFPASHRISLDWALYHAKLHNVGRARSLFGEACSRASNLDHDP
YREYASFEMSIGEFEQARIILFRGAQAVTRSPDGGLGDTSGRGLAQLYVTWAVCEWHLGN
IPRVEVLFDHARLRLTEVGSREGSELRSFILFCIARLEYERDELYLAQHICIGLCLKENSL
CGGNAPVWKLWAKVARDMGNHHMEDECRGEARRCGRTREGEAGEDTVVDAMDVLKESQNM
KNLLRQQPWHDKLQTARGSGPVASAAATTTTPPGSIGDFCAGLRIPTRKRRRRRSDRTAAG
SRVRTGGAEATRNPPLVRLPDDSCHEETKNSTEPNH

>comp10857_c0_seq1; 1466 1 4317 LEN=4393; translated
XQLLLKLATVAVVGSTDMPEPVLNANINNDIDGNLVEDEDDGNVRMEEDEITLVAADATE
HARDDDEEEEEDEDEDECRVCRGPAEEGRPLLRLPCKCSGSMGLVHQECLISWLEVRET
GVARYVKHKFKFDPQYAENTPDRLSSHEVILGLSSRFLAKWLPLALRIVFAAILWLVVAP
YLTNCLYLGIIRPSSVLGRGETIASDTSVGLVMGATIIISFLSLMSFADFLRVLWQGGP
GAQQPEEEGQPPDEERENDGFAAGENEDEIDEFATDHRILIEWMQKRERMKEATTNDIDAT
ITIGGALKATEEEIKTQSKAHVVHEVNSEIKDDNLAADFDRIGLTREAEMLRNRATELR
NLALEREARRKNADDERERVGDGDHGGEGTNGRVAPLGGIAPAAPDNDNDDAVAVLN
NNDDDEIPEFAPLGGENPDIFGANRDVLEDVEEDAEEEDDSEAELEAWMNDDDEDDDD
IDDEIDPFPLRPLGDDAEVAFDPLDPVLQDDQVDMEINVALDELLGLRGPIMTVVRNLL
WLLAFNATYLGIFGFVPKAVGSVIYSSVFNTTACGNLLKSIPIFVASDDTNQTTVSSLLIS
LEQESDNRNSTFKLSDFATVTLGYLSMACFIVSTRYTIIALQKVGKLVERNRTNTGRNQD
YAQQQLQRVQRLHNLARDAGEDINDLNEENIGGIGDSIETALDATVAIIKVCILLFMKMF
LLPLYLGLWLDASTVHLFGHNVAGRLAFAGEDLFSFILLHWVAGITFMLLVTVFLLQLRE
VAHPEILARLIRPQEPQPDLLGNLMHETVLTHTMKRMTLSLAIYAPLLTLHVTIPAMLFHK
SGLDSIFTFHLLNFYHLLTPQLQIPELITFHLMSLALLERHKNNIGGLQHYWMKFMCRK
MGLTEYLLPQHIEAFEFIGRKNVFKPQSSGNLDVEVDPPFIELTTRKDKIDKFLVLSHIEK
INPSNDISPSIITGEQHLNGERVLCEAVRSISLPGNTEAENGTIHLPTKIGRYSLKIEED
DESVDSEELKISFYREIQGEEIKRPPPEGWDDLGGAGAYVQGRWAWAKERKSLVEESIAER
IPFRASSEARSVILITKVAIILVILSWVALISTVVSILSCLPAIGRSFYHLLRIPAKYIH
DPFAFCIGAGLFFPFVSWLTQNVNDNLSLYQRLRQWFGRFQRPPTPKMLVLIESLLLWT
VAAPLGLGLSYELVMVKSPKWFAMKEPFLDIKTLAISWLMGTVVLTNWSFLLYCKFFTRR
FWSNVNGILEPPLNEDGNPNHNARNNAGDDANAIEGLIWQGRGRAGQFFNILRSVILD
WEWDTVDRKMMIDDFARPTTKEITSALVGSALSQYALHILLAIFKVQKGGFMFPLVGFV
ETGIFRKGLYQICMTVHVLVQIGSRSRVNIDSWFEAAHEAARDRYLIGELLMNYPNEG

>comp10858_c0_seq1; 301 394 1320 LEN=1408; translated
MILAPLYEQRRVFSSTYVRDDGSDDEDVGYGDSRLGEAMGHAHPPHPPHAFVEMDVVEV
RFIPLAEYSSKDKHGLWYSPREIRAMRQAARFDIDRKEEMKYNSKKRGKHGAYTCDIR
GLERLVYDGNLHCLKKRYECLRSILLEQHHQIRGRKANLENDERIRRVCMATGDTVRSQ
EKARALAREDEADVREYLQQQQADAPREAAPREESERDSFSPDSSDTQQQQHQHQQQPQR
HHHQHQRVILSPMMGRNRARTASRNHCCWCVEVAEMVGRSLLLNSLLQPFLHLHQTDAFL
QVEPAAFD

>comp10859_c0_seq1; 1274 1 2989 LEN=3372; translated
XSSFARTKNPRFQRHEITTKNSTEQSSETKKEVLYPLIARTIFSPSRNRMKVFIALLLF
CATVTSASSDDSDKSDNGPPFFLIDSTDQLCLAGEEFKRCSIDTLFFVVGSPGNYQIRKR
LADGEDEEEDGTCLALKSCKEVDAGKKMEAKLAKCSHCAGKRWNIVGDSSTGYVLTEGD
GKTCLLREPQTDKAMTAPCDSTDSPYVPLQLQFASASDIKTMSD GARLIGAA SDGDKKA
IEDLLKDGTDVNVRDWDELTAIIPAASSGHLDI CKLLVKEGIDVNAKDKDGITALMEASI
MGHEKIVEFLIENGADVNALASSDVSAMWLAASEGRVGMKLLMENNAEPSNTRVDGISA
LMTAAVSMNDEFIQYLCIPLMHGFSSFSSETFVGSEVQPLISHFLFSFNNFLKVGHGSGA
VEILLENGADHTMTDKDGLIPLMSAAENGTVATLKAILDHVDDPDYINLISNTGFSSLI
AAAHGHVDAVEFLLDNGAKADIVHDNKVTALMYAAAAGHLDMKMLIGKQADLEFKHTN
GGTALLEASTAGMYDAIVLLVSESGSSVDFMDDDGVNPLMAIAAQGNAKSQKFIIDELKKT
KSDTALKDYINLFAHSGGSFAFMFAAAGGHVECAKQLMDLGAEINAVARNKDGYLEKLQKM
IEEGQVKEEDPHVDGVTALHVAASEGGHLEMVNVLLDAGVETSLVHLDDDNRSPVLAVSG
NHAGVAKALVQAGADPNTPYVDGDGENHNLLFDAIMVENVEFATLLIEKGADIYHSDEKK
VSTLLQASHRGLTKVVKALLEKHAANGSKGEYVDAASEDGITPLTAASSEGHTCEVKLLV
EAKANVNAKDKDNTTSLMAASARGHLDVVSIILAAGANVNEQNVDGHTALMFAYNGKNQV
ETLWERYNQFLEEAKSNGESKEDVDDNETGPIIQESLKNHTDLVDLLIKSGADESIKDKG
GHVASDFDFHPDTEAEILAKEARTEKVKDESKNEL

>comp10859_c0_seq2; 1314 1 2843 LEN=3226; translated

XSSFARTKNPRFQRHEITTKNSTEQSSETKKESVLYPLIARTIFSPSRNRMKVFIALLLF
CATVTSASSDDDDSKDSNGPPFFLIDSTDQLCLAGEEFKRC SIDTLFFVVGSPGNYQIRKR
LADGEEDEEEDGTCLALKSCKEVDAGKKMEAKLAKCSHCGAKRWNIVGDSSTGYVLTEGD
GKTCLLREP GTDKAMTAPCDSTDS PYVPLQLQFASASDIKTMS SDGARLIGAASDGDKKA
IEDLLKDGTDVNV RDWDELTA LIPAASSGHL DICKLLVKEGIDVNAKDKDGITALMEASI
MGHEKIVEFLIENGADVNALASSDVSAMWLAASEGRVGVMMKLLMENNAEPSNTRVDGISA
LMTAAVGGHSGAVEILLENGADHTMTDKDGLIPLMSAAENGT VATLKAILDHVDDPDYIN
LISNTGFSSLI IAAAAGHVD AVEFLLDNGAKADIVHDNKVTALMYAAAAGHL DVMKMLIG
KGQADLEFKHTNGGTALLEASTAGMYDAIVLLVESGSSVDFMDDDGVNPLMAIAAQGNAK
SQKFIIDELKKTSDTALKDYINLFAHSGGS AFMFAAAGGHVECAKQLMDLGAEINAVAR
NKDGYLEKLQKMIIEEGQVKEEDPHVDGVTALHVASEGGHLEMVNVL LDAGVETSLVHLDD
DNRSPVLAVSGNHAGVAKALVQAGADPNTPYVDGDGENHNLLFD AIMVENVEFATLLIE
KGADIYHSDEKKVSTLLQASHRGLTKVVKALLEKHAANGSKGEYVDAASEDGITPLTAAS
SEGHTECVKLLVEAKANVNAKDKDNTTSLMAASARGHL DVVSIILAAGANVNEQNVDGHT
ALMFAYNGKNQVETLWERYNQFLEEAKSNGESKEDVDDNETGPIIQESLKNHTDLVDLLI
KSGADESIKDKGGHVASDFDFHPD TDAEILAKEARTEKVKDESKNEL

>comp10859_c0_seq3; 1347 115 2808 LEN=3191; translated
MKVFIALLLF CATVTSASSDDDDSKDSNGPPFFLIDSTDQLCLAGEEFKRC SIDTLFFVVG
SPGNYQIRKRLADGEEDEEEDGTCLALKSCKEVDAGKKMEAKLAKCSHCGAKRWNIVGDS
STGYVLTEGDGKTCLLREP GTDKAMTAPCDSTDS PYVPLQLQFASASDIKTMS SDGARLIGAASDGDKKA
IEDLLKDGTDVNV RDWDELTA LIPAASSGHL DICKLLVKEGIDVNAKDKDGITALMEASI
MGHEKIVEFLIENGADVNALASSDVSAMWLAASEGRVGVMMKLLMENNAEPSNTRVDGISA
LMTAAVGGHSGAVEILLENGADHTMTDKDGLIPLMSAAENGT VATLKAILDHVDDPDYIN
LISNTGFSSLI IAAAAGHVD AVEFLLDNGAKADIVHDNKVTALMYAAAAGHL DVMKMLIG
KGQADLEFKHTNGGTALLEASTAGMYDAIVLLVESGSSVDFMDDDGVNPLMAIAAQGNAK
SQKFIIDELKKTSDTALKDYINLFAHSGGS AFMFAAAGGHVECAKQLMDLGAEINAVAR
NKDGYLEKLQKMIIEEGQVKEEDPHVDGVTALHVASEGGHLEMVNVL LDAGVETSLVHLDD
DNRSPVLAVSGNHAGVAKALVQAGADPNTPYVDGDGENHNLLFD AIMVENVEFATLLIE
KGADIYHSDEKKVSTLLQASHRGLTKVVKALLEKHAANGSKGEYVDAASEDGITPLTAAS
SEGHTECVKLLVEAKANVNAKDKDNTTSLMAASARGHL DVVSIILAAGANVNEQNVDGHT
ALMFAYNGKNQVETLWERYNQFLEEAKSNGESKEDVDDNETGPIIQESLKNHTDLVDLLI
KSGADESIKDKGGHVASDFDFHPD TDAEILAKEARTEKVKDESKNEL

>comp10859_c0_seq4; 100 332 526 LEN=526; translated
MTIPDGFDRDFLLIGFSPDWTL SVNNETNKPGNYQIRKRLADGEEDEEEDGTCLALKSCK
EVDAG

>comp10859_c0_seq5; 100 367 561 LEN=561; translated
MTIPDGFDRDFLLIGFSPDWTL SVNNETNKPGNYQIRKRLADGEEDEEEDGTCLALKSCK
EVDAG

>comp10859_c0_seq6; 1307 115 2954 LEN=3337; translated
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STGYVLTEGDGKTCLLREP GTDKAMTAPCDSTDS PYVPLQLQFASASDIKTMS SDGARLIGAASDGDKKA
IEDLLKDGTDVNV RDWDELTA LIPAASSGHL DICKLLVKEGIDVNAKDKDGITALMEASI
MGHEKIVEFLIENGADVNALASSDVSAMWLAASEGRVGVMMKLLMENNAEPSNTRVDGISA
LMTAAVSMNDEFIQYLCIPLMHGFS SFSSETFVGVSEVQPLISHFLFSFNN
FLKVGHSGAVEILLENGADHTMTDKDGLIPLMSAAENGT VATLKAILDHVDDPDYIN
LISNTGFSSLI IAAAAGHVD AVEFLLDNGAKADIVHDNKVTALMYAAAAGHL DVMKMLIG
KGQADLEFKHTNGGTALLEASTAGMYDAIVLLVESGSSVDFMDDDGVNPLMAIAAQGNAK
SQKFIIDELKKTSDTALKDYINLFAHSGGS AFMFAAAGGHVECAKQLMDLGAEINAVAR
NKDGYLEKLQKMIIEEGQVKEEDPHVDGVTALHVASEGGHLEMVNVL LDAGVETSLVHLDD
DNRSPVLAVSGNHAGVAKALVQAGADPNTPYVDGDGENHNLLFD AIMVENVEFATLLIE
KGADIYHSDEKKVSTLLQASHRGLTKVVKALLEKHAANGSKGEYVDAASEDGITPLTAAS
SEGHTECVKLLVEAKANVNAKDKDNTTSLMAASARGHL DVVSIILAAGANVNEQNVDGHT
ALMFAYNGKNQVETLWERYNQFLEEAKSNGESKEDVDDNETGPIIQESLKNHTDLVDLLI
KSGADESIKDKGGHVASDFDFHPD TDAEILAKEARTEKVKDESKNEL

>comp10860_c0_seq1; 209 236 1103 LEN=1334; minus strand; translated
MAKLLFLGGLAKISGQPPFHRAHYGGTDQGRDCQQIPRKEAVFVHYAGRGHQLDDTGAPH
TVGTVKVPQRAIEAPEDRTHQDLVERVEFCPDPIDQADGSIREQPRCCNRNQQRHKGAD
E SKTHRMRGGHAVVAGAVDGGQEGYTSIGITLDVQQLLEQLPEHRIADGPHKEGDHESVSL
VAKGKKDPATSM DVVEPIFVTTPSHIEKVD ELSLLALSFKYDFDIVCSLFRGIGTLDNI

GNGNNRLLFLPPCGREEILVRLTNDVDRKPSTSGTITPEKRTKENKNIW
>comp10860_c0_seq2; 209 220 1087 LEN=1318; minus strand; translated
MAKLLFLGGLAKISGQPPFHRAHYGGTDQGRDCQQIPRKEAVFVHYAGRGHQLDDTGAPH
TVGTVKPPQRAIEAPEDRTHQDLVERVEFCPDPIDQADGSIREQPRCCNRNQQRHKGAD
SKTHMRGGHAVVAGAVDGGQEGYTSIGITLDVQQLLEQLPEHRIADGPHKEGDHESVSL
VAKGKKKDPATSMDVVEPIFVTTTPSHIEKVDLSLLALSFKYDFDIVCSLFRGIGTLDNI
GNGNNRLLFLPPCGREEILVRLTNDVDRKPSTSGTITPEKRTKENKNIW
>comp10862_c0_seq1; 946 231 2507 LEN=2541; translated
MKAHGTKTTKTSTMMASKQNRFGDRLFGARKVLLPCLILVVAVVLASPTKCPFAVEATAV
DKNASSLRGQSIRRHRRSESIASQTTYSTTNSIPLSNNPSKVRRLKLSKKRYFARYSG
SVGRASVQRCAKSILEDDDDTDYTVFEVDFEIEVDIDADIGIDEIMQKGLVYDQDFNYD
ISSGSSSNDDVEGCISLRKMNIDLVEEDRRVSLFQESLVSPPSSSTEGFEEGSEEF
WNVEAIQADWVPPGSNKVTVCVVDTGIAANHPGFPSTPSSDLDGEGKIYRIKKGDFRNL
FTGGASGTRLMKWNRDINGHGHVAGVIFKVVDASRYITGTPNNVELFVVSADFNDVGY
ESDVVRAVRTCVGEAKADVNLVSLGNVYSSFSAAALYASIVEQGGAIMVAAAGNKHEGAE
DFDFYPASIPSVISVGAVERGGSHFPSSIRNNQVELVGPGEHILSTGVRWNEEKSEMEYV
YERRSGTSSAAPHVTGAVALKSHYPTCSSRQIRYAMAKTAVRSENKNSNSNSEEKTE
CDSAEGYGSIQVRDALDWLLFMGGCDSWDVELTSLGGCSTLGGIVQIKPEDESDDGSHE
QEPEEMSTSFPEEVSADAENANKTEEDSITSLEQQVTIDPEIAEETPGNSTIPSKNLED
LDENTARPIEESTTSPTKIELSNGGTKEPREDSTKSPDQEFEDDCDHGITETPNQDSTI
SPVQDESDENIAKESSEPPKEDSALRGWTLPRFDDP
>comp10864_c0_seq1; 358 1 883 LEN=883; translated
XASTSLSLFACEAYSHKYLIRGKQHLCTMIFRRRGNVVKPKNDRRKQQTCKVTTAVSVPV
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PQKDKQQRLPAGNKVKHTIKRCTFKSPSDCPSRGTITGVKKEKCKKLVPIPSPTPSARL
NRGRCDRKGSSKKRRLSTGNKAEHKIKSCSITTPSDCPSGGTIAGVNKKETKSNEFVVPV
LATTAPLNRRGRCGRQGSSKGAERSGGEGDEEDCLPDVTTLVKKEDLDIDYDDDX
>comp10864_c0_seq2; 484 185 1359 LEN=1359; translated
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DRSKFEALVLPPEYFERMSSFLSFRITQLNKYGIYQSKTTNTHNPDSKSDGAYSHKYLIRG
KQHLCTMIFRRRGNVVKPKNDRRKQQTCKVTTAVSVPVATGTGLSNLRMTRDNTTNAKSN
KELKRKPPPSQSQSQSQSSKSSSSSSSLVEESSKTSSPQKDKQQRLPAGNKVKHTIKRCT
FKSPSDCPSRGTITGVKKEKCKKLVPIPSPTPSARLNRGRCDRKGSSKKRRLSTGNKAE
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>comp10864_c0_seq3; 484 256 1430 LEN=1430; translated
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KELKRKPPPSQSQSQSQSSKSSSSSSSLVEESSKTSSPQKDKQQRLPAGNKVKHTIKRCT
FKSPSDCPSRGTITGVKKEKCKKLVPIPSPTPSARLNRGRCDRKGSSKKRRLSTGNKAE
HKIKSCSITTPSDCPSGGTIAGVNKKETKSNEFVVPVPLATTAPLNRRGRCGRQGSSKGA
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>comp10865_c0_seq1; 414 208 1506 LEN=1739; translated
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TSALRWKSSGGKRKSFRRAPTGGYYSRLDRSRAAVSFRKPTAGPREPNDVKTPMPR
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DLFPGNVEGSPVGGDDANAVQIPHNLAHGEWGEMLIRTDRVSKMWRGGRVVSFRALVIG
GNLRGCAGFGIGKAFEPEDAIVEIACRMAKRNIFFVDYRGRITLRLDLVGRQNSCKVVLRT
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LVNLQRAKRLGI
>comp10865_c0_seq2; 63 1 512 LEN=745; translated
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VVAKAHGSRNHYNVVRATFKALMTHESLDEVALKRGLRVLVNLQRAKRLGI
>comp10866_c1_seq1; 190 1 301 LEN=860; translated
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>comp10867_c0_seq1; 901 213 3329 LEN=3375; translated

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TSPFGHPAYVVLGDGNLRKIKHFIKIGPCCGYERYRDTCTPIARTLDDTLGSLDAILNDEF
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KRCAVANTDIAIERNSPFLELSDLFESRPCQADNSANCNVEDGGLACVPEFGERWQVRTI
VRDLDSRDLVDFHPTPGYHLGNSTEGRNFTVTPSNSDEAWVINGNNHTISIMPAIDTAYQT
TFSRTDRGYYHYMINGTAISFNSVADSGRTSDRDTFNYWSICNDNANTYVGSKEPNYFMG
PTLYNSDPKKRNLVNRLGEGCDTASGSTTKDEPCYFLHSDMLHEAPSCRGIVHDPEIETA
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HAGMVMHPTRELFVAVPGKNQILRVKADSGRFARTAREEYPIFSNRLPSFEYSIWECVD
SVVVFSDINQPSGMALSLDGKRLYVAERGTGMIHAYEIEETGAFLHMIPTTFRTIGGMDF
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CTVDPVIVPNASLFEQVHDDSGYASDNPVQSEMAGMDAAAALLANRTDCEYDSELNFDAL
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NVDANELVLKPGVTYRFSMEVEDEEICMTTRVSRKNREDFKVGSVSRNGGTDRERLSSLN
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KVGGLGSLVVAILLSLA

>comp10867_c0_seq2; 490 186 1283 LEN=1329; translated
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EQVHDDSGYASDNPVQSEMAGMDAAAALLANRTDCEYDSELNFDALLGGYFCHTCLPE
KERTCGDGGTCTNVQWRGYICDNEFKIVADDESNLPGSYLLQTMNGTNVDANELVLKPGV
TYRFSMEVEDEEICMTTRVSRKNREDFKVGSVSRNGGTDRERLSSLNANDREGNQLVTLG
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LLSLA

>comp10867_c0_seq3; 485 213 2027 LEN=2180; translated
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IYGPDRVHFIQSVKGGGTCDQWSAIYQEDAEDLFPESDTPNEMPWSVDDSAITLRDEL
TSPFGHPAYVVLGDGNLRKIKHFIKIGPCCGYERYRDTCTPIARTLDDTLGSLDAILNDEF
ELIGGTGSESGNDEIPSNQGNSEEQADDNIVDANCEWSDWSACSIRCGPTVGGQIRYKD
KRCAVANTDIAIERNSPFLELSDLFESRPCQADNSANCNVEDGGLACVPEFGERWQVRTI
VRDLDSRDLVDFHPTPGYHLGNSTEGRNFTVTPSNSDEAWVINGNNHTISIMPAIDTAYQT
TFSRTDRGYYHYMINGTAISFNSVADSGRTSDRDTFNYWSICNDNANTYVGSKEPNYFMG
PTLYNSDPKKRNLVNRLGEGCDTASGSTTKDEPCYFLHSDMLHEAPSCRGIVHDPEIETA
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HAGE

>comp10867_c0_seq4; 503 213 2168 LEN=2190; translated
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IYGPDRVHFIQSVKGGGTCDQWSAIYQEDAEDLFPESDTPNEMPWSVDDSAITLRDEL
TSPFGHPAYVVLGDGNLRKIKHFIKIGPCCGYERYRDTCTPIARTLDDTLGSLDAILNDEF
ELIGGTGSESGNDEIPSNQGNSEEQADDNIVDANCEWSDWSACSIRCGPTVGGQIRYKD
KRCAVANTDIAIERNSPFLELSDLFESRPCQADNSANCNVEDGGLACVPEFGERWQVRTI
VRDLDSRDLVDFHPTPGYHLGNSTEGRNFTVTPSNSDEAWVINGNNHTISIMPAIDTAYQT
TFSRTDRGYYHYMINGTAISFNSVADSGRTSDRDTFNYWSICNDNANTYVGSKEPNYFMG
PTLYNSDPKKRNLVNRLGEGCDTASGSTTKDEPCYFLHSDMLHEAPSCRGIVHDPEIETA
YGTVYWAFDSTGNRQNGQLVRFDFQPHGPGSMDHSIASVRRYVEIELETAEEAQEQAGV
HAGMVMHPTRELFVAVPGKNQILRVKADSGRFARTGMFRDNFLSESVVKK

>comp10868_c0_seq1; 159 233 1070 LEN=1070; translated
MPEDPSAPTEPPPGPTIRVICAGLGRGTGLSLSEALSTLGYRPHYFIDFSHAEEWAGLAE
GTS DAGSLLDRIVADGYDAVLENPSCDVFDDLKRFDPARVILTVRDSAEAFEEESWKVLM
DTMVVTEQPFSAFPSFFGWIPFRRLRVIRRFMGTHLGLEEGALAHGWRDRPSGWLAE
QYDRHNQHVVDSVPPEQLLVFRAGDGWEPLCSFLGTGVPGGAFPCTTNNKEALRRLRTT
FLAAVYGWIPVTALAAAGAVAWAGVPAEPPVPGGRAARG

>comp10870_c0_seq1; 140 82 444 LEN=570; translated
MLGYPKLDATGRKGVWRNLIELVPPVPTDPSTGKASEKILSKPRKASRYRDDFSASDYQK
LAEQFELNGRQIKNSIVLARALARERRTPLNLAVLHRAVVAVAGEGVGSKTEDSSTSGY

>comp10870_c0_seq2; 417 1 1565 LEN=1565; translated

XPELAAARAEIEGTQSVSFYPGLGELFGPGAKLVCYPEGMEGSPLGVSCVQSWYAEDHNN
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LLERLQQRGEFYASVATKNHFLEYADSFPPILKGGGWSNAVRPLSKGGRVMVDVKRGI
LEGHIAVRSGSSGSGSDATSDTVREAIKLFESSKRTGIAVPFRCTCVLPDKFRNTRSACK
ASDPKHPHTPRAGASDRERLWMSWPMLVGFSTARVWGKLLLGMPKPIVAPKPELPSAP
LSPGRGLVAQQRPSRRRFVEIAALGGEGRSGNCGYISFQTQAFDQLVLAEDKKELIRAV
ARNAGGGGFDEDDSDDDSDDEEFENVGIDVVANKGGASIFLLHGPPGCGKTLTAEAI AEL
LEKPLYIVTAGDLGISASEVEQNLGSVLELCQTDALVLIIDEADVFLARNSTEIARNAL
GKNRFTNSQLIVMEAKGFVDSMAGLLIHQLVLTCDLSFHLP

>comp10870_c0_seq3; 558 1 1909 LEN=2035; translated
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LLERLQQRGEFYASVATKNHFLEYADSFPPILKGGGWSNAVRPLSKGGRVMVDVKRGI
LEGHIAVRSGSSGSGSDATSDTVREAIKLFESSKRTGIAVPFRCTCVLPDKFRNTRSACK
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LSPGRGLVAQQRPSRRRFVEIAALGGEGRSGNCGYISFQTQAFDQLVLAEDKKELIRAV
ARNAGGGGFDEDDSDDDSDDEEFENVGIDVVANKGGASIFLLHGPPGCGKTLTAEAI AEL
LEKPLYIVTAGDLGISASEVEQNLGSVLELCQTDALVLIIDEADVFLARNSTEIARNAL
VCVMLRLLLEYSGCLFLSSNRSAGSIDAAIASRITVMLGYPKLDATGRGKVRNLIELVP
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>comp10871_c0_seq1; 605 158 1741 LEN=1891; translated
MPRPMSSSVFFVFSFFFSIGLLANVFCEDIDPQDLSPSINPDSEGRSRSLASLQAIATSSP
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TAEDTKYIKESYPIEHALTLPKNMGLAYGMNLLVNNLCKAPYILLLEEDWLVLDEIVANQ
TEERKRSIATSIALLENLKKNNVTAYDERNVIGVFLRHETYDSFLTFFPHADIWERRENS
LSQILAPPVTSDRCSSNITETDLISDDHNQGNDDDGTVDIDYRIFCADVGAKAGAIWGS
YTNGAGLYRRSDLQKVGRQFGEFGDAFHDRYVEANYAFRVALKNCHAALRLTKNESCNAI
YDPECTGAFHHIGGGRGTRPRTAKGTKCMDIAWNFFGTPLYEKFKFAAQTTGETTQKCS
RKELQELRDQQFRETDSSESYREEVRIQNKVFQKEEERRQSLRDQAELILNMLAKGQAND
LRGAVPMDGMSNEEIAEKARSFEKLANSPHPMDGFWDLLGRVQHAD

>comp10872_c0_seq1; 209 49 737 LEN=850; translated
MSVAPKAYTAVASSLHWSAASMVGCIGCVLKAQDSPKGEKGPWMYRHKSFGLLTGLIVA
PRLAYRIANRSSYKLQEMVGPSSIEHALAKVGHYGLYAFMTIMPASGIAMGYGGNYVAG
TNDPFFLILFPCSISSDEQDXVFLNLVFFLLVLPYIGKGLPFFTTTIPGIVKTEENKST
GEIAKQSFQIHKQLGIYGYLIPIHAGAAVSHSLRGHAI FSRINPFSRP

>comp10872_c0_seq2; 236 49 612 LEN=725; translated
MSVAPKAYTAVASSLHWSAASMVGCIGCVLKAQDSPKGEKGPWMYRHKSFGLLTGLIVA
PRLAYRIANRSSYKLQEMVGPSSIEHALAKVGHYGLYAFMTIMPASGIAMGYGGKGLPF
FTTTIPGIVKTEENKSTGEIAKQSFQIHKQLGIYGYLIPIHAGAAVSHSLRGHAI FSR
INPFSRP

>comp10873_c0_seq1; 150 111 1013 LEN=1077; translated
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KQTTSTDEGQRSVSTEAEADKTITNSRPNLFARRKKQAGTIQSRLHVRGTWRVLPNPYC
VTDRFYDEVSLTAYPRQKVAALGGEETNIDAEQVLRVQLTMNCRIWGRHMHNQRREAG
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>comp10874_c0_seq1; 1014 249 2519 LEN=2653; translated
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AEEEEKSETSPDDVGGEAKSPAEEGGEAKTDSGVETPNVRKEQLLNFNQLFSTRRPKDGW
AGLGSIGKSVTKGTVAGIASLIAQPMVGAKQGGVAGFFTGLATGVASCVALPATGVCVGA
YQVGRGVYNSAEAISSSNKGMVWDEKKREWHYHNLDDDVREVEELAEERKRKGEQTFNS
ADGPERTVKDRYYDLMGVPTNASQGEIKKAYYVKARKCHPDKNPGDPTAANRFQELGHA
YQVLANDQSRAAYDRDGLSINDKNQKLHMSDIDPYIFFAVMFGADSVKPYIGELWIADK
AEMFLKDSKMAQELATTMQQNQGDEANAAAAGKTPDVFQAQREERVRLMMEDEDFLQR
RRKVTIATNMRKRIEPIYITGDEEEDNEEQFVLSQAEAAQICKSAFGHVFCSAIGRALEL
EATEFVGFVAKSPVIGSWDAHTAGFQKRAMTLKDNRYIFNAGISAVRAGSKAMKHVESIQK
QAEQSSSLPGGGIGGASPMDDTTQAKETMKKLEDLPTILELAWAVNVRDIAKTLKDVCHK
LFNDTSVEVEVRMKRAEAVKILGREFYAI GNACESIKHVTDNGDSAEI KLRAEIAAMTT

LAKAQGQEISEEDA EY MIRQQRKMKETERTAGSSPL
>comp10874_c0_seq2; 955 249 2749 LEN=2883; translated
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AEEEEK KSETSPDDVGG EAKSPAEEGG EAKTDSGVETPNVRKV TYMNKHSKFAAMDDNSC
TTDEVKSNKKKVKGMPRKANKTHSVSQLHYNILFCNXNLP IHV LGPQINSMNPF TSWNIG
ATPFQSVVQQRRPKD GWAGLGS GIKSVTKGT VAGIASLIAQPMVGAKQGGVAGFF TGLAT
GVASCVALPATGVCV GAYQVGRGVYNSAEAISSSNKGMVWDEKKREWHYHNLDDDVREVE
ELAEERKRKGEQTGFNSADGP ERTVKDRTYDYDLMGVPTNASQGEIKKAYYVKARKCHPDK
NPGDPTAANRFQELGHAYQV LANDQSRAAYDRDGLSINDDKNQKLHMSDIDPYIFFAVMF
GADSVKPYIGELWIADKAEMFLKDSKMAQELATTMQQQNQGD EANA AAEAGKTPDVFQAQ
REERVRLMME EDEFLQRRRKVTIATNM RKRIEPIYITGDEEEDNEEQFVLSQAEAAQICK
SAFGHVFC SAIGRALELEATEFVGF AKSPVIGSWDAHTAGFQKRAMTLKDN YRIFNAGIS
AVRAGSKAMKHVESIQKQAE EQSSLPGGGIGGASPM DTTQAKETMCKLED TLP TLELAW
AVNVRDIAKTLKDVCHKLFNDT SVEVEVRMKRAEAVKILGREFYAIGNACESIKHVTDNG
DSAE EIKLRAEIAAMTT LAKAQGQEISEEDA EY MIRQQRKMKETERTAGSSPL
>comp10875_c0_seq1; 325 631 1704 LEN=2511; translated
MFAPSVFSRESKTEGH HIVSKQPVTEKEIEESRAAL AACPVAAIRVDKKQEEHAASAEEN
SSAPSGSVASQLAINPKFN GRPLFPFKLISP NLSDVFFVGH HNSKSFGAAPYLLSSLSNT
EPTWIMVDTPRYSESAVR AVELTGSIGPSYLVLTHVDDTADHNSWKDKYPNLKRIFHAG
DLGTHNWIGDETLEDVEILLTARSSDRSLQYFDLKG NPIDNETDGSNH DVVLVHTPGHSP
GSIALLKRASPSINGSESTKNAHGVLFSGDTYSYTTREGGHMSGFPLYGNDARLQSKILP
LLLDLDWNILAPGHGHVRDYTLIQESQQQQQLQGT KVFIDSREKEMEA AIEELSRYL
>comp10876_c0_seq1; 323 496 1369 LEN=1624; translated
MTD TDRREPPASRQGPATPQPGSPRGRRRPQAPVN LLLLGVGVLLLSLCDGFVPALGRT
APRGPWGAPPTEVSMVNDYDLRDPDMVELMMGGVRYEN VPLPDSMLD TTFVGNLCE FVR
DEDLSEKFRSVTNLQSLPACVARRPNSQSLRYGFVAFPTVEEKEEAIIRFHGVEFQGRRL
KVENILDHPSKGRVNVPEKLVTYVLGA AKKTPRGKND FSLRKTSNPSKSKGGITAAEGTP
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>comp10876_c0_seq3; 209 496 1053 LEN=1098; translated
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APRGPWGAPPTEVSMVNDYDLRDPDMVELMMGGVRYEN VPLPDSMLD TTFVGNLCE FVR
DEDLSEKFRSVTNLQSLPACVARRPNSQSLRYGFVAFPTVEEKEVRPGAWPRPVHDTMAW
HG MAR
>comp10877_c0_seq2; 336 323 1564 LEN=1723; translated
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PMIGQNKSTVIVDQLSADMKRAHSGIDTVLEFSDSSVGSKSPLLREKSPMALS LPKSPRL
SEKLALPAQDPHRASGSSYKSRSSALVNMLSPKPIFSRSKTENESSTSP THGSPGT PRSS
ALNILKNVPVGH LVPNLKQSPPPP GMSLRGINSSFHHAIDVTEIPVEITPLHHVTGGRIV
EYLGTVSMHFIRESSGLEAAEFNRFVTECNAIARAHVHSLGGNAMLAYRAVPAESGGRVY
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>comp10877_c0_seq3; 678 1 2719 LEN=2878; translated
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PTDPRDIPDDAVQDEEDQKLVNLQRQIEKISAKNRQRLSTAAQRHLERVRKRLIKFKQAQ
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LQRRRRRRMYRDDKAPFVLEIDDETD EDILSVLIDKQLPPGIRITTCQYMPDFGCGDGR
DHES SAGQMLMSMLRFKWNQNALRGTRNNLLFSSLFQELFARLCDRLKD IAPAVVCGVRT
QVN LTPDDMIELICTGKV LERREIENQKIDEDDGDMSDSTYLDELEIRKREDAD FRELA
KV VETGVSSMFRPMIGQNKSTVIVDQLSADMKRAHSGIDTVLEFSDSSVGSKSPLLREKS
PMALS LPKSPRLSEKLALPAQDPHRASGSSYKSRSSALVNMLSPKPIFSRSKTENESST
PTHGSPGT PRSSALNILKNVPVGH LVPNLKQSPPPP GMSLRGINSSFHHAIDVTEIPVEI
TPLHHVTGGRIVEYLGTVSMHFIRESSGLEAAEFNRFVTECNAIARAHVHSLGGNAMLAY
RAVPAESGGRVYKSQVYNVISLSGSAVKVEYRKEDNAASPKDSSFIRTRRLG SIDRTRSI
SFEVC
>comp10878_c0_seq1; 316 46 1120 LEN=1273; minus strand; translated

MQGHEAPLPFLSAISFGFVRAERSLLLLPYHQPARGVHKKASTSERMVAACLLSLGNTGA
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RLVVPVGVKGLHLDLLTSGFLLLEENGHKMSPRFVGPGLRADGIAKLVR SIPVLDLGPQARQ
LDGIERPRFRCVPVVKQAAALLPQKDV PADLAVTHKVPLVEEKGEDFLQQVLSDAALDNG
GLALEPGALLPKIGQGWPDEEAAEDKDRDTALDSTDGVS VFSFCPE SPRGACRSWSLATA
LETSGAASILGSSTNLGATLTA VDSQAGSASAVPTVGAGCARAWNDICAVMCCGFV
>comp10879_c0_seq1; 1313 310 5184 LEN=5237; translated
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FSTARQAASVAETEP PTRKRSLRRILW NANPLAGRKDDR WKGGESTSTIASRLLFSYVS
PLLEV VAGKNNQNR TLTEEDAFSLSHGKR SMDYAVESLTGT YGLARTKAARRLEE QKQQA
TKNNDVVKNSQSLILLKALVRNQKST LLLTGVLRLVNTLVQAFPSLLVARLLRSIEAGPS
APIQECLKAAVLLVGV LCLKMITENQFFHNVVN MSTQIRGSVEGLIFDKSLR LPEGGSGV
LTKSYTAKNSSNKGAK EQGKPKKALGSGGV LNLMQSDAS IIESAAMQVHTLWDG PLQITI
YTYLLFQCLGSSVAVGLAVLLSVIPANSIVLRISDRLARLE TEARSARTKRTNESITHMK
LLKVQSWEKVFAEDIK KHRSD ELRRHRMRG VVRANSAI SNAVPALV LVVTTL TAYAKTGK
PIKASTIFTAISLFNQLRFP LFFYPMLIDSLVIGRNSLRRIAS YLSSEELTPYVQALPPT
MDGGGQIEIRHGSFLWSTSNQIKDGEVTP PDPSPALCNVNLKVNSGEV VAVVGPVGSKSA
LVKAILGELTPVPKIVV ESSGADQNDSPVVEDLMNRPEVVMHG NAGYCSQEAWVPK GTL
REAI VFGREYDEERYREALYDAGLDQDIASG TLSSEM DVGEKGSLSGGQRARVALARAL
YGDENTKVLVLD DCLAALDARVGS L VFERVTKRAKASNAATILVTNDPSLPRRC DRVVL M
GPTQKSSSPNGSGCSTIVDSGTYD D LLSRGHALTSFSNE YDSSDDETPIVQVHEDR KVHI
EHNSMETD TIRVVG GYAIHANETDSSCHADPDVRVDIKN SPDFLADRVI PRETDDESHGI
DKNLNSTKSSESHPKTRSEEAALVSTDDKMTTQAVPLSTYMGYLR AVGSPVLLIGMVASF
GVAEGARFFQYTVSKWTEIAGSSSMAGALGGQYLNNLAYA AVVVS VFLWCRSFFTMLVG
LKASTFYHNRMVGSVFRAPMSFFD ATPSGQILSRFGKELETVDRALPESIASVLYCFLQI
SSTVLALSGVISPVM MVPITFAGALYLRIMKRFRPAARD MKRSEQRTRSPIFTHFG EALR
GTEVIRSIPGAKLTWSSRHRKLS DVNLSV FSTVKALDRWLSVNLEAIGNSMVFITAVSSV
FLSRAGRLQSGSAGWGLTQSLAITGLMAVA VRNLTMLESQMMSVQRVTEITDIEEFQNDK
ESEKEKPKMPREMDKAGEAFQLPPNLGLRSSP STEHALVKDGPWLG GVSFKNVSMKYNP
SSPLVLNRVTL SVPPGSTLG VVGR TGSGKSSLLLTFRIVEIESGGAIEIDGIDIRSVSM
EKLRESLAIIPQDPV LFAGTLASNLDANGKVSPENMWKALEAASPDLVRHF KALGGLT SQ
ISEGGNLSQGQRQLICLARALIKKSKILVLDEATSSVDAQTDKQVQDTIRREFVEKGV S
VITVAHRLDTVMGYDKIAV LGQGSVLEYGSPS DLLKIENGEFRSLVDADQANKRKGKLL
VNVV
>comp10880_c0_seq1; 227 807 1106 LEN=1834; translated
MYDNFDLEKCVIVEEHYDDT NDEDTEVETASVKFIAEMVLRETGEKTSFMETS SAFEKAQN
SGAWLYLSGDIEAAPGTEESSDESEGEDLSVEEKLASQL
>comp10880_c0_seq2; 346 131 910 LEN=1638; translated
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KKKKKGSANNKSGGV SFGGF GGAAMEQCPCGSGETY SNCCSKVHKNVQNFRKATAEQIV
RARYSAYARKLPEFLMMSTHPNNKAFNPDLRKWKEDIKLNMYDNFDLEKCVIVEEHYDDT
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SDESEGEDLSVEEKLASQL
>comp10881_c1_seq1; 947 591 3195 LEN=3195; translated
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YSFGSFAGNSYATREHGSDEFNRNGRAFPPDSYSFLSLHGPIESPLFFAFGMMGFLFQIAF
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VIIAVETFP SRWDVTNRNMVFS CFLRF SQGVMAMIAALLIITAESVIDIVLNFTAVVSV
SMNSMTMNSMNDTTNTQDLAIKFDKLP S DILPFSRCQQNFISRLDNVAFNLAMWGKYGP
KLQEEVRRIIKLP LPSCMSQGK KHRFQCTLITSGLI FLAIMTSIIYAQESEDIWFTKVF
RVQFHDPDLQQYSGCFSLIDTTPGSKRGIYEGPGGVKIAHCMDTRKWKFFIVGTDPCVHD
ALELAHSDNSYSF DVSSAFQSGWHS AAGRPLDL CFFTFDRDFEDMCPLVGN GKCDPDLNS
FEYGF DAGCCSASRIGPRCGEGAMAKGFGMVDLAAAGYGF PQCIDPRMKPITILLGNFT
KRKEATNSVEIPF PESIGR SNLTLDAKCEKKVLSIEINEGMANSHETIMVTDGARCTVE
VNNPDHETTVDLTI FQGYGADNDPKILQINSGVDEVS SFSAIPTCMFEQLSIHDNTNTTN
FYSGSSQVLEAIEWMIEDSTVYSECHTPNFVERFALS VLN YAAPTKSSDNGLWIDKNAPW
EWDEVEYINGSLSALDLSEASLEGTISTYIGLLTSLSRISMSDNGLTGKLPSEIGLISSL
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>comp10881_c1_seq3; 962 591 3405 LEN=3653; translated
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VIIAVETFPSRWDVTNRNMVFS CFLRF SQVMAMIAALLLIITAESVIDIVLNFTAVVSV
SMNSMTMNSMNDTTNTQDLAIKFDKLPDILPFSRCQQNFISRLDNVAFNLMWVKYGP
KLQEEVRRIIKLPSPSCMSQGGKHTRFQCTLITSGLIFLAIMTSIIYAQESEDIWFTKVF
RVQFHDPDLQQYSGCFSLIDTTPGSKRGIYEGPGGVKIAHCMDTRKWKFFIVGTDPCVHD
ALELAHSDNSYSFVSSAFQSGWWSAAGRPLDLCFFTFDRDFEDMCPLVGNGKCDPLNS
FEYGF DAGCCSASRIGPRCGEGAMAKGFGMVDLAAAGYGFQCIDPRMKPITILLGNFT
KRKEATNSVEIPFPESIGRSNLTLDAKCDEKKVLSIEINEGMANSHETIMVTDGARCTVE
VNNPDHETTVDLTI FQGYGADNDPKILQINSGVDEVSSFSAIPTCMFEQLSIHDNTNTTN
FYSGSSQVLEAIEWMIEDSTVYSECHTPNFVERFALSVLNYAAPTKSSDNLWIDKNAPW
EWDEVEYINGSLSALDLSEASLEGTISTYIGLLTSLSRISMSSTTYDSEHFNQSSGMIH
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>comp10881_c1_seq4; 918 591 3279 LEN=3527; translated
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LLLTVLSVLYEKWNTDGDGDNPGTDLIAAFVAANTTPLVRATQILAILSIVFTESLMD
VIIAVETFPSRWDVTNRNMVFS CFLRF SQVMAMIAALLLIITAESVIDIVLNFTAVNFI
SRLDNVAFNLMWVKYGPKLQEEVRRIIKLPSPSCMSQGGKHTRFQCTLITSGLIFLAIM
TSIIYAQESEDIWFTKVFVQFHDPDLQQYSGCFSLIDTTPGSKRGIYEGPGGVKIAHC
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EDMCPLVGNGKCDPLNSFEYGF DAGCCSASRIGPRCGEGAMAKGFGMVDLAAAGYGF
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ANSHETIMVTDGARCTVEVNNPDHETTVDLTI FQGYGADNDPKILQINSGVDEVSSFSAI
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TTYDSEHFNQSSGMIHTRFLFLFFVGDNGLTGKLPSEIGLISSLESLEMGNALSGSL
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>comp10881_c1_seq5; 903 591 3069 LEN=3069; translated
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SRLDNVAFNLMWVKYGPKLQEEVRRIIKLPSPSCMSQGGKHTRFQCTLITSGLIFLAIM
TSIIYAQESEDIWFTKVFVQFHDPDLQQYSGCFSLIDTTPGSKRGIYEGPGGVKIAHC
MDTRKWKFFIVGTDPCVHDALELAHSDNSYSFVSSAFQSGWWSAAGRPLDLCFFTFDRDF
EDMCPLVGNGKCDPLNSFEYGF DAGCCSASRIGPRCGEGAMAKGFGMVDLAAAGYGF
QCIDPRMKPITILLGNFTKRKEATNSVEIPFPESIGRSNLTLDAKCDEKKVLSIEINEGM
ANSHETIMVTDGARCTVEVNNPDHETTVDLTI FQGYGADNDPKILQINSGVDEVSSFSAI
PTCMFEQLSIHDNTNTTNFYSGSSQVLEAIEWMIEDSTVYSECHTPNFVERFALSVLNYA
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>comp10882_c0_seq1; 385 53 544 LEN=761; translated
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EAAEEREEEEAPVEEAAEETPAEEEEVDSREQPEVSTGLLGCY

>comp10882_c0_seq2; 385 53 544 LEN=740; translated
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M KKSITKLSANVAESVQKEDPKPEPVEQTPVEEKPEEAPVAEEAPATEDAPADEPAEK
EAAEEREEEEAPVEEAAEETPAEEEEVDSREQPEVSTGLLGCY

>comp10883_c0_seq1; 686 1 2098 LEN=2117; translated
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TETVATRD MEDQLLDNMDIERERGITIKLQAARVLYKSRVDGEIYTLNLC DTPGHVDFSY

EVSRSLAACEGALLVVDASQGI EAQTLANVYLALENDLEI I PVLNKIDLPAADPDRVAEE
IEDTIGLDCTEIVHASAKAGIGIDDILESIVQQVPPVADV NKPFRALIFDSYYDSYRGV
IVFFRVVDGQVKKGDKIRFMNSAAEHEVTEVGVMT PQQVVDEL RAGEVGYICGSIKDV L
DARVGMTCLSSDYKSGMASGDEIEPLPGYAECTPMVYAGLFPVDASDYETLRDSLGLKLR
LNDASLSYEPENSGAMGFGRFCGFLGLLHMEI IQERLSREYNLDLIMTAPSVVYKINHNG
KETTIDAPSKMPDLTRDHETLEPYVRMEILSPSEYNGKIMELCQERRGILMDIKYLTQSR
STIIYELPLGEVITDFFDQLKSRTQGYASMEYSIIDYRASDLVRLDVKINYELAPAMACI
VHRDSAQSVGRKLCASLKNLIPRQMFKVP IQACIGVKVIASEHISPMRKDVLAKCYGGDI
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>comp10884_c0_seq1; 1112 1 2250 LEN=2350; translated
EEEEDEEEGI ICEEGEDEEDDI ISEEEVLEEALESSIVAEVIEDIFEEEEIISDNEELVKV
ADI IENEFSDEDFVEEEGQEDLDV SFFEDSIEDEEQEGDSYYHTTPGNALEVEMESANFV
TRFLVNKGLGQVVI IAILIMEWFHMYVVPFFESVDWIKYKGGQDLLQTVLSSRGGALAS
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PVPADVPAPSRPRVPPNFIFRHLANYGLVGHILIMELVMASEWLQVYVPQITSLASYIAY
DLLNYKRDFRRGREEPVNKRNSGFVNIGEGSRLGKKPKLKRKKEDQAALDQLKRIGDVNN
AKCRFLSQKFMERHAIGPFSATISEI ELDLNAVETDFASKKRKRIEEEEEEEAESDSGWI
LDALEVEEEDAPPLKNPFDTSVGVSLGSGGPKVSVGMFTIGKKRRTKSSSEKLRVLEN
DTSGSENKIKTPKPHVSDSESGVMGRLLRAAGANSVMGRSILGAYPGDLPPPDEAASPRGV
IGLARRYGYGDWSDDDDDNDSDNEDDVYGD LFNKDDEEKENDDFFSAYSDD EYQSRPKK
RSGSAKKRTRKRRSSSHEQPKSGVSV EFGFGTSSKSQASFAASSPTRRRRKSSSLSSST
VADSVSSSARRRKSRSRLPSSPMEKLGGRASSTSTAKPTSSSTAPEDSYGVPPATTIK
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>comp10885_c0_seq1; 459 73 1218 LEN=1342; translated
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GEETPVMPDDFSPILPPMISEGNDTQSPNKEESTRSPSENEGTSQSPKSGSKGDEKGF GG
IEKEEEDETSAPKANDQDEPAEASGMFGQSPVPKPSKKPTGARSSRAPVASPVAAPT DKN
KPPTYNDEYKQPSLRPATAPSR LPYVSKGDDPLPTASDDLFGWFTNDSTIEEMEHDKNV
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EPTQKYNIPEDGGFSNDLELS

>comp10886_c0_seq1; 314 27 950 LEN=1096; translated
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ARTMISKMDIPSLLSMADDDVEAYKALQSTWKKD SGLSPEQVKDIEANALKVPTVLF EAC
HGRIVAVQEF LPKCNPNITSDAKVGIHQLAGAALGVPDH SCKLSPRRGEDAVDENS SRNP
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RVEPLSS

>comp10887_c0_seq1; 788 1 1481 LEN=1521; translated
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EYWECTLNALTWQDDDGKGGHPDIIIDGGDM TLLIHEGKKAEDLFLKDGTL PDPSSSTDN
AEFKIVLTI IKRLLSEGETDKWNKIATRCHGVSEETT TGVHRLYTMKNGALLFPAINVN
DSVTKSKFDNLYGCKHSLPDGIMRATDVMLAGK KAVICGYGDVKGKCAHAMRANGCVVYV
TEIDPICALQACMEGYTVTTLEDVLETGDI FIFITTTGNKGILMKDHMAKMKNNAIVGNIGH
FDNEIDMEGLMKATKRINIKPQVDKVFV FEDNHGVI VLAEGRLNLGCATGHPSFVMSCSF
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PIEGPFKPDITYRY

>comp10888_c0_seq1; 841 685 2754 LEN=2820; translated
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ESISSPYLPRVDHLIAPKPAAGRGSNRNSNKNNDGGG YFFNPDVVNSRKKEDAPLFRKER
KRDVSEPN SVAPSEEDIRTNKARKRRQSAKPLLNKNGQQRLLTIEEAFNQFQESVDEGM
MEI IETAEVPILAKHANAKSWDDVGITSTT MLENLRYDMNCPNPLAVQEKTTPAILTGSD
VLVGTYTGSGKTL SFLVPLVQRLLSIDEDSDGNI INDPGLAVLIVVPGRELASQIVSVA
RDLLQDTGLSVQLAIGGTTFFKRNL EQIRKRKPNIVGTPGRIAE LVVGKPGKNGKLGIG
SLQSLVLDEFDALLEYKAHRDPTRAIMQTLKRRHRNSLQ SVMCSATATDIIDS SKVDFL
RPGFETAMADEDVLTGRKSNASSSVA AQVSRTVLHGV LNVPHKGMALDAVRKILHTDP
IPQQILIFVENARKVDIVVEKLADRGII AAPLHGGMGSEKMDRAEVS RALREGYVGI VVA
TELAARGLDAPLLTHVINLDLPTDASHYHRSGRCGRG RGVVINITTSPKERNVPKRF

ANTLGVDMFTAETRGKLVLPSTQTD

>comp10890_c0_seq1; 288 31 1332 LEN=1595; translated

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RSRKPCKSPFYERLKGKPNPPTDFQPTLEPVTKRYASEVCAVADIIRDSLCLALQLDPKD
VIHEKFLPPSNDSDSDEVPHWVIKLVSYPPPCLFVSKNTQGNINNTASEPSQHDKDERELE
QQGVAHTDNTLLTLVLQNNSSGAVGNHTGGLQAYSQGEWIDVDLPVPSSAADENSVDGS
GSSIGYLICNLGEQAETWSRGYFLATPHRVVTRPSSSPVEPKPRTSVPLFYNPVLSATMG
PLDKRLLSKDTRWRDRPEEYQTNQHWRRPNNHMNPVSGENTFKSLARSHPEVVFARHHPDL
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>comp10891_c0_seq1; 1435 101 5078 LEN=5110; translated

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QSKELMDKTVAFLKMYLSETNAAEPVGFVSRNDVARLLLLPWSVRGILQSAYNKKTKNS
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STMHKIMPIALALALDGDALSETKKTEKTTAQDLAKGCYCRVLDHVYRPPFDVICDSLPL
ILATGTKEIKNPQRIAAARSVTTSTLELMNLRIASANPKKSFQLLVKPKVFLDLAMLHYC
DQKHVDKRVNASESRGADLPSTKKVFENLIRGGMFSLQHMEGFRSLQLTVPDIDGTTVP
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EQQAASKSQKKNKGANKMGLHQRFFSCLSGYLLKGLLASKATASNKPTQDNGPRLSFFE
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VLDVLRDLTILHEQLAQVLGMCLTYNSKNQHESSCTFQAPREVTTFLVTIIQTYGK
LRQLNYFYESLFAVSVLSHRNDTQRLFQLLTLTDHKTISLHLGLVQESPIQQLKQTF
AIKDPNTNQSSSQNSIPLVSSVGTAFITKLLTGLLQNVRIDSNSSSTEIYPICKDILNG
TVIGLIGSDEGDTKNQSERLGNLKNVILCAWTIHLKNRCEFVWVGNQSELPEENAVIP
SAIRCVLKDATNSSADHAKHHGEGDQDLFQALKFLACQRIQQLHGECYKQKLAYASDAI
NTAASESAEAQKLVGFILRDCILTSSYSGFVEKARDQWMALESIAAWAPYADQHDIDSF
LNQLEAMAI SGKSHLQSRYQMSLLNDTSFYEVSNVSERLGANII SFVARNVQKILTL
DGSLSRHEI SCVPLHKKHWRKKSFKIIRDVQKSGIPI SCASTHLPEINKLLQSLRIFET
INNRNIPVWKDCEEASKIFESLIRIESICVTLNASDEFQFLDTKAHLLSSLRTAASRVLD
DMKLNSSDQVSGIKEEDYAMLLRCILENSFEI IDNNISSRARHDCFHSCNAVVESLVKKW
TTNNTKSTKDMVGVLDTMFDRDEVQGGIKYLILTSYANALLKNFGERFRLEFDSEPIKS
LLCVVQRRLLWVTAQKYCFQPPKADLFYQNKSI VFVAEVLRICSTCPDKDKIPFISGNK
VVEKLRDFLALDLKNPEVQSLAYLVGCFAMTNPSSGVRDLSCKLLQANLKGYDIFLTPL
CAVARRMELNEFDEFRLTLTSTIVEVPSTAIKLRVIRMI ILSTTDESQIELVAKHSSLIM
NNCLQVMTQVAQKSDTRSSSILEVSSLI IEMASKKEIMILRERDIARILARVTSAIRVEE
DEEGIQVKTEVVQFKSFEACFSLVAFFLQRFQSKQMHSCVPSLVITLTAMLQFTLRESLPR
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>comp10892_c0_seq1; 1277 1 4924 LEN=5179; translated

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RHSVNHAHGRPFPTAVLSMAYSELATLGIVEFGVFLWGKYGYIQKDRKAKFADVHFALF
FTAI FNAFYGLTISIFSTRKSNKMVVKTEQLELDHYVEIRLEYDRVNKI IENQCRGFFGK
LDLFCVCRSGLRRQHEKLRVQVKFHELRLHFLEFNLPFSLKVS DYLRKSELSILIGLVHV
SATTWVLLIALMNLAYFILGMI EIKTSSPGLSTPIMFGILFAIDFIFIALCLALRWKMRR
IFQQVLKRKVI GTSDEEKGKQKQKQFWFGSPALVIYMIQLMNFYALSF SIVI IYSEYL
NETHEIWVGIPAEIAFPATTLFCYFVFLSILSALLPEFTLCTSLGYLTNRKELDETVAMH
RLEEAERQHRRKLI EKATVNDTIFQSHPVDT SINVTASGVGVEQKRLPSDLRDSVGGI
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NQGQSPNSQEKKEITTONRRSRRKAISQPGVIQGWQKLT VSEQRKNMKHSVNASDAKVV
KESKREKSNSDPRTIKDWKEKVESDELLRSKDDGPIFLRKGGTI INGGSGESIPAWKKER
LERLAARKRARKKTQSASAI IQSWQDYSIREPPREHSETILNENCKSGDREGSSFDGSR
GTVLYSTLKATIDSEGKVNQTPYFEKRLSLHTLIEDEAHNEVFLRDGDCGSKSDRNTV
IDLSDAVI IDGGERDFNKRDDGTVDTGK SIGNSDQVVDIDTTGISSFTERGLQAERDD
ASSYQGVLRKARLYFIGMPYPYVSHVLGTSIVFYLVGHRVESFRQNQGGESPFSDKAWF
WLEATMFLCFIVADFI IALFPFWEYTKTERRLVFATIADLLIVTAVTTLFFVAEKRC
CMDEIAVAQIATVRERNLVIGKDDL VGFVGTCPPEWGVRTYGGIGMIEPFTCLIVLRLFRF
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DSLNSIADEETKIHSDACRLALEATKGGKNLRLCDVAQGRVTVGHLLDLADVTEVHVERDD
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GKLFRLFYSDLALFEANNSGEAKTISNCLTREISFQWAQTVCRICGRSQLEQNLPHFGEN
NEEELQDYLEVVFHEKEAEQSRNIARTANRMANTDLLFLGAKGSNAARKKVKHKRTKS
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>comp10892_c0_seq2; 982 1 3967 LEN=4053; translated
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IFQQVLKRKVIIGTSDHEEGIKNQKQLFWFGSPALVIYMIQLMNFYALSFSIVIYSEYL
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RLEEAERQHRRKLI EKATVNDT SIFQSHPVDT SINVTAISGVGVEQKRLPSDLRDSVGGI
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GTVLYSTL KATIDSEGKVN DQTPYFEKRLSLHTLIEDEAHNEVFLRDGDICGSKSDRNTV
IDLSDAVI IDGGERDFNKRDDGTVD TGKSIGNLS DVVDV DIDDTTGISSFTERGLQAERDD
ASSYQGV LIRKARLYFIGMYPYVSHVLGTSIVFYLVGHRVESFRQNQGGESPFSDKAWF
WLEATMFLCFIVADFI IALFPFWKEYTKTERRLVFATIADLLIVTAVTTLFFVAEAKRC
CMDEIAVAQIATVRERNLVIGKDDL VGFGCTCPEWGVRTYGGIGMIEPFTCLIVLRLFRF
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MAEFPDIVEKYGQFSGELLQAMLGLQFAVVAQGT SASTPPNASTIEHEQKRSIDSRQLES
HIMLAGSRHTQLPPRVQALI IAGQLGKPVKPMNPLGHQNPATLVVAAESTSAKAMRPVEF
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FC

>comp10893_c0_seq1; 129 1 936 LEN=936; minus strand; translated
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RFGAPLSVQQVPVDLSEVL DADPRGGA EAGRIVA AFPRYPV GKDQIGRVHRPRQAAGHHQ
VDSEGIVVVVASFATAASARREVGPPAPFPLPSEVREIGIQRIVLPHQAEFFHRAA
PLFCGLGAGIVHGLAVANHVQNLRRRTATGRGARETPASGLATDDLVT EEA VRPAIRNLL
SMGLLRTGKHRSX

>comp10894_c0_seq1; 274 167 1003 LEN=1096; translated
MSSRPLLF SASSAARRALWTRTCAHTSCFPEIKREIDGRRRNYQFAAESLCKVSTHPSIN
CSLTLLRHSDVTSRSFASRRRANGK K K K T D T G V V S N E E L I A Q L I R N A S V S S A D K V T I R L V
IDEGPDT P S S V E V I S L S E A I E I S L D R E L D L I G A N I K G D P P V R A T Q L S K L E Y K H K Q A Q K K
QQQAAANR K E L K A F R F K A G I E S N D L E R K L G R L R G F L S K G H C D F T V F T K M R T L R Q N P N A G
I E L V N K I R E L L A D V G D I K R E P Q T N E T K S F Y R V Q Y V P K K

>comp10896_c1_seq1; 290 95 1102 LEN=1102; translated
MTRKGLRRDRNVSERATLSPPILFVAAMLICSSSFFADAF LPPASSSTSGICGALEAILG
SRDQEI PNGCSLSLLEIESPGITEQLSRRKWL SRVPQHLGVTA AATALATSGGVFPAYAM
TDNIGEVTDKIFVDISGLSASASAE LGQTQRIVLGLFGKDAPLSTQKLRSLHSSAGLAAP
CKPLKEDFLIQREQL EANKVYRSCTENQDKGVNYDYAQIWRIVKDQRIDFGSLSGKFVAR
EFPTWGEVSTANSAADYLKLNNSARYLVAVRKGSDSGFGYTI F P V S T A S S N P D F L D N Y L V
VGKVI EGDDVVSTINEVSVVNSAKNLYMGI VGGGG

>comp10897_c0_seq1; 337 926 2917 LEN=3304; translated
MKPESSVSQQKRDAVLRDAEFSSASRSVDSALEGIDAQVLELLSEDFLYPSVGEDAKPPR
RRHGSKPYGRPELVPGAMTWASMKKYQQKRDLLNHMVEKTNEPRAATLIKRNLESRLHVS
SKEVSRKVQSRKQRKFERATRGAFRKTKKDKLPDEITSTQSTTEDSSLTTATKKKATRKN
RVKKNL PKGRPKKKSSELYFEHDSQDFIGSRARPGRKRQPGANNAGDNNLELRKYAT
ELLTPEQEYTI GEKIQLMVQCEQVHEGLCIKEMRLPSIAEWAHACGYQEGNALQDPHVGA
AGNHKQSSDHVVTVELVERQIRPAGYANIFTKIDPNMFVGNGLAQNVGVGRGRGRAKKPPP
CSITKNVYKLD RKTGKKLGLLSAKPVNRGTVEDFCEMMIGRRRAKQLMIQSNMRLVISIA

KKYSKVGVS LQDLVQEGSLGLSRAAEKFDPSKGFKFSTYASWWIQQAVFRS IAYHSRTIR
LPVHIHNMNRVRKVRSS LQQGMGRPPTDEEMADALDMPPSKYKRMIKLTKRSISLETPQ
YQQNPKDHGHEGDDSIGDMISSQNDFDNNLDNENV SPEKSVDRSLFHKDLDEMLDNLNEG
ERTVIKLR YGLEDGLTRTVTATAAKLKKPPAWVRSQESKGLRRLRRPWYEKKLMEHQQSM
MNL

>comp10897_c0_seq2; 212 926 3042 LEN=3429; translated
MKPESSVSQQKRD AVL RDAEFSSASRSVDSALEGIDAQVLELLSEDFLYPSVGEDAKPPR
RRHGSKPYGRPELVPGAMTWASMKKYQQKRDLLNHMVEKTNEPRAATLIKRNLESRLHVS
SKEVSRKVQSRKQRKFERATRGAFRKTKKDKLPDEITSTQSTTEDSSLTTATKKKATRKN
RVKKNLPKGRKPKKSSDELYFEHDSQDFIGSRARPGRKRQPGANNAGDNNLELRKYAT
ELLTPEQEYTI GEKIQLMVQCEQVHEGLCIKEMRLPSIAEWAHACGYQEGNALQDPHVGA
AGNHKQSSDHVVTELVERQIRPAGYANIFTKIDPNMFVGNGLAQNVGVGRGRGRAKKPPP
CSITKNVYKLD RKTGKKLGGLSAKPVNRGTVEDFCEMMIGGRRAKQLMIQSNMRLVISIA
KKYSKVGVS LQDLVQEGSLGLSRAAEKFDPSKGFKFSTYASWYVRVEIFGWVDFDPLYPF
LFVVFVAFTYRAQLVKSLCFKNLRWIQQAVFRS IAYHSRTIRLPVHIHNMNRVRKVRSS L
QQGMGRPPTDEEMADALDMPPSKYKRMIKLTKRSISLETPQYQQNPKDHGHEGDDSIGDM
ISSQNDFDNNLDNENV SPEKSVDRSLFHKDLDEMLDNLNEGERTVIKLR YGLEDGLTRTV
TATAAKLKKPPAWVRSQESKGLRRLRRPWYEKKLMEHQQSMNL

>comp10899_c0_seq1; 212 1 1302 LEN=1643; translated
XRIKNTVRAFVFGDDAQEKESGGGADCHKQOPGHWIVDS DIANPMSVYEQYRKSRTSWG I
DAMGSVVVEVELSNGMVGVGISIGGDAACYIVEKHLARFVEGADPNNVELIWDQCWRSTI
NYGRKGIAIQALSALDLAIWDALGHLRGLPVYALLGGKTKGKMPVYATTARP DFAKDMGF
HGAKFPLPFGPAQGE EGMRKNIEMVKKWREAVGEDYPLMIDCYMSLTVPYTIELARRCEP
YNVKWIEETLPPDEYDGYAKIKEKVSTLLTTGEHEYTRWGFRLMLLQKNCCDVLQPDITC
KXVIQGVLLVNFEDLSHLSTREYRILQSTANTQCGGMTEARRIVALASAFDIPVIPHGS
SVYSYHLQICFPSCPIAEFLVMSPKADTIVSFFGNLFKNEPLPKNGYVDLTDKPGFGVEL
NREELNLR RPYP RD

>comp10899_c0_seq2; 105 1 334 LEN=580; translated
XRIKNTVRAFVFGDDAQEKESGGGADCHKQOPGHWIVDS DIANPMSVYEQYRKSRTSWG I
DAMGSVVVEVELSNGMVGVGISIGGDAACYIVEKHLARFVEGADPNNVELI W

>comp10899_c0_seq3; 187 438 1210 LEN=1551; translated
MGFHGAKFPLPFGPAQGE EGMRKNIEMVKKWREAVGEDYPLMIDCYMSLTVPYTIELARR
CEPYNVKWIEETLPPDEYDGYAKIKEKVSTLLTTGEHEYTRWGFRLMLLQKNCCDVLQPD
ITCKXVIQGVLLVNFEDLSHLSTREYRILQSTANTQCGGMTEARRIVALASAFDIPVIP
HGSSVYSYHLQICFPSCPIAEFLVMSPKADTIVSFFGNLFKNEPLPKNGYVDLTDKPGFG
VELNREELNLR RPYP RD

>comp10899_c0_seq4; 218 438 1109 LEN=1450; translated
MGFHGAKFPLPFGPAQGE EGMRKNIEMVKKWREAVGEDYPLMIDCYMSLTVPYTIELARR
CEPYNVKWIEETLPPDEYDGYAKIKEKVSTLLTTGEHEYTRWGFRLMLLQKNCCDVLQPD
ITWCGMTEARRIVALASAFDIPVIPHGSSVYSYHLQICFPSCPIAEFLVMSPKADTIVS
FFGNLFKNEPLPKNGYVDLTDKPGFGVELNREELNLR RPYP RD

>comp10899_c0_seq5; 243 1 1201 LEN=1542; translated
XRIKNTVRAFVFGDDAQEKESGGGADCHKQOPGHWIVDS DIANPMSVYEQYRKSRTSWG I
DAMGSVVVEVELSNGMVGVGISIGGDAACYIVEKHLARFVEGADPNNVELIWDQCWRSTI
NYGRKGIAIQALSALDLAIWDALGHLRGLPVYALLGGKTKGKMPVYATTARP DFAKDMGF
HGAKFPLPFGPAQGE EGMRKNIEMVKKWREAVGEDYPLMIDCYMSLTVPYTIELARRCEP
YNVKWIEETLPPDEYDGYAKIKEKVSTLLTTGEHEYTRWGFRLMLLQKNCCDVLQPDITW
CGMTEARRIVALASAFDIPVIPHGSSVYSYHLQICFPSCPIAEFLVMSPKADTIVSFFG
NLFKNEPLPKNGYVDLTDKPGFGVELNREELNLR RPYP RD

>comp10899_c0_seq6; 311 179 1429 LEN=1770; translated
MSLILGPHPVVTPSKNTIVIKHVRAFVFGDDAQEKESGGGADCHKQOPGHWIVDS DIANP
MSVYEQYRKSRTSWGIDAMGSVVVEVELSNGMVGVGISIGGDAACYIVEKHLARFVEGAD
PNNVELIWDQCWRSTINYGRKGIAIQALSALDLAIWDALGHLRGLPVYALLGGKTKGKMP
VYATTARP DFAKDMGFHGAKFPLPFGPAQGE EGMRKNIEMVKKWREAVGEDYPLMIDCYM
SLTVPYTIELARRCEPYNVKWIEETLPPDEYDGYAKIKEKVSTLLTTGEHEYTRWGFRL
MLLQKNCCDVLQPDITWCGMTEARRIVALASAFDIPVIPHGSSVYSYHLQICFPSCPIAE
FLVMSPKADTIVSFFGNLFKNEPLPKNGYVDLTDKPGFGVELNREELNLR RPYP RD

>comp10899_c0_seq7; 280 179 1530 LEN=1871; translated
MSLILGPHPVVTPSKNTIVIKHVRAFVFGDDAQEKESGGGADCHKQOPGHWIVDS DIANP
MSVYEQYRKSRTSWGIDAMGSVVVEVELSNGMVGVGISIGGDAACYIVEKHLARFVEGAD

PNNVELIWDQCWRSTINYGRKGIQALSALDLAIWDALGHLRGLPVYALLGGKTKGKMP
VYATTARPDFAKDMGFHGAKFPLPFGPAQGEEMRKNIE MVKKWREAVGEDYPLMIDCYM
SLTVPYTIELARRCEPYNVKWIEETLPPDEYDGYAKIKEKVSTLLTTGEHEYTRWGFRL
LLQKNCCDVLQPDITCKXVIQGVLLVNFEDLSHLSTREYRILQSTANTQCGGMTEARRI
VALASAFDIPVIPHGSSVYSYHLQICFPSCPIAEFLVMSPKADTIVSFFGNLFFKNEPLPK
NGYVDLTDKPGFVVELNREELNLRPPYPRD

>comp10900_c0_seq1; 339 200 1831 LEN=2216; translated
MADFIELVESSRWLIDRALSSQESDDFLNLETEQYQAAAPAAVANDNILHALVNDESTYT
SESTSPFLSKSAEAEELLYLLATNFLLYVAMVIITIVAKVYFPDSLKRGSIPIRIRKYSYR
RTEQKEQRSYADEEEDALESLYSDDDDDSDANRGSSSEYDEDEDHEHQEDPLLSDDMMGESDF
HHSARVLEFDQEQTSTRAQVIKRLLLCSLMLNLTFTVTWGALQERMLTRRYPRHTGDYFTYT
YALVFSNRLWTLILSSTLMWYLPKRLSQSTVIYEYSFSPISNMLSSWCQYEALRYVVSFPA
TTLFKSFKLGPMVLMGKLIGNKHYPAYDYFVALVIGCGIALFMTSTDDLRFSSMDYLG
AEVASAKWTGVMLLCCFFLFFDSFTSQFQSRLFQRHLDLSELVLMFATSASFSTVLSFITLV
HTNELSPAFAFVMEHSEIQLHFFVFSICSTIGQLFIFYTIKNGFVFTLIMTTRILLSI
ALSCVLYGHPVTNVGYLGMALVLFVGLYRIKKKSEGQQLIRWQGMDEKKGKELVHEWHEH
LDM

>comp10900_c0_seq2; 271 200 850 LEN=2335; translated
MADFIELVESSRWLIDRALSSQESDDFLNLETEQYQAAAPAAVANDNILHALVNDESTYT
SESTSPFLSKSAEAEELLYLLATNFLLYVAMVIITIVAKVYFPDSLKRGSIPIRIRKYSYR
RTEQKEQRSYADEEEDALESLYSDDDDDSDANRGSSSEYDEDEDHEHQEDPLLSDDMMGESDF
HHSARVLEFDQEQTSTRAQVIKRLLLCSLMLNLTFTVTW

>comp10900_c0_seq3; 219 200 970 LEN=2455; translated
MADFIELVESSRWLIDRALSSQESDDFLNLETEQYQAAAPAAVANDNILHALVNDESTYT
SESTSPFLSKSAEAEELLYLLATNFLVGRGVFFVRFVSSGIDLLELDCAWPLTALTNVHSL
YEWIALVAMVIITIVAKVYFPDSLKRGSIPIRIRKYSYRRTEQKEQRSYADEEEDALE
LYSDDDDDSDANRGSSSEYDEDEDHEHQEDPLLSDDMMGESDFHHSARVLEFDQEQTSTRAQVI
KRLLLCSLMLNLTFTVTW

>comp10900_c0_seq4; 287 200 1951 LEN=2336; translated
MADFIELVESSRWLIDRALSSQESDDFLNLETEQYQAAAPAAVANDNILHALVNDESTYT
SESTSPFLSKSAEAEELLYLLATNFLVGRGVFFVRFVSSGIDLLELDCAWPLTALTNVHSL
YEWIALVAMVIITIVAKVYFPDSLKRGSIPIRIRKYSYRRTEQKEQRSYADEEEDALE
LYSDDDDDSDANRGSSSEYDEDEDHEHQEDPLLSDDMMGESDFHHSARVLEFDQEQTSTRAQVI
KRLLLCSLMLNLTFTVTWGALQERMLTRRYPRHTGDYFTYTYALVFSNRLWTLILSSTLMW
YLPKRLSQSTVIYEYSFSPISNMLSSWCQYEALRYVVSFPATTLFKSFKLGPMVLMGKLIG
NKHYPAYDYFVALVIGCGIALFMTSTDDLRFSSMDYLGNAEASAKWTGVMLLCCFFLFF
DSFTSQFQSRLFQRHLDLSELVLMFATSASFSTVLSFITLVHTNELSPAFAFVMEHSEIQL
HFFVFSICSTIGQLFIFYTIKNGFVFTLIMTTRILLSIALSCVLYGHPVTNVGYLGM
LVLFVGLYRIKKKSEGQQLIRWQGMDEKKGKELVHEWHEHLDM

>comp10901_c0_seq1; 617 1 1668 LEN=1881; translated
PEKSKAQRSHPRYQGGRPKEKRRTNQTPTDTRVGSFRETIASRTMENQYAHRRPGRVGS
LCRTTRTNASTIGIRSIARSVPSLAIVLAALWASRVRAWNPVAVLGTQRTNFRYRSSAS
RLFASGSTGEPATASANTKDSSTVVDQNEKLRKRLRDQRNRRPPQIVCCSSTKELVHAV
NSIVGEDDVVAELGSQLRDVSDAIWERGSPSSVFCVVKRDYPKVAVRSSARKEPLSPNET
TRINAMRLEDSPGAGAGSGMDFREIEKFSWRSAFFRDRDSSSSSSSCRYDVLVLDVNA
IVGNDLEWTCCLDLILEFEQMAAMVAKGSRNSSEDDGEDEYEDGDYHGLKYVLVKSGLNS
VASQLTYTVPWLPNKTNNHNLRCRIVATVGVHDYRQTIIPGVQTLQSHLKAEEKDGDN
ETSKNFVLEVGCHFGTSTVLLDETFDHVMGVDVGSKI IREAQRKHGPFVFRGTDAWKTAG
LLRLQQEYEEERSVPSDQRTIGFDVAVYVDVGGLSGADGLLDTIALVKSIIQYALEPQCIVV
KSLCLQRLAARFVPPYW

>comp10902_c0_seq1; 319 1 700 LEN=1274; translated
XATRKHTNRKEASRVSLTFGREMPHSAATAAEEATRATAARKTRTPKRGVHCRISAA
LFVAAFAIAAMVPQALFRGAFRCPCLAFSPGALRTPGFAAGMRGNCHRHRNRLLASVTGT
VYEGGVVVVTLTYTKEGCTLCDKVKDVLAKVNDEEGFAHSLKQVDITDDDQADSFDRYKYD
IPVLHIGSGDSGAGAYWTKHRLTEDEAREALTEAGTGFEEERTGRPNAAMER

>comp10904_c0_seq1; 193 1 662 LEN=1496; translated
XCHREMNI EPMNELFATEVQMI TRIDNGIDEEVAFLTEAEANLKAEDAKVPLFKFILTG
GPCGGKTTAIARLSYFLKERGFVIAEAEVYTI LASNMSFDFYSTE GMDTVIQNAVLDI
QLSLED SLERVLKARGKPAVLLCDRGPMDGKAYLSDEKWKKILDERGVTEADLRDTRYNA
VFHMVTAADGASSFYTLENNQARSETPEQALDLDLRRSQKCW

>comp10904_c0_seq2; 204 1 683 LEN=738; translated
XCHREMNI EPMNELFATEVQMI TRIDNGIDEEVAFLTEAEANL KAAEDAKVPLFKFILTG
GPCGGKTTAIARLSYFLKERGF EVIACAEVYTILASNGMSFDFYSTEGMDTVIQNAVLDI
QLSLED SLERVLKARGKPAVLLCDRGPMDGKAYLSDEKWKKILDERGVTEADLRDTRYNA
VFHMVTAADGASSFYTLENNQARSETPEQALDLDRRSQKCWLGHPPHM

>comp10904_c0_seq3; 327 1 1316 LEN=1399; translated
XCHREMNI EPMNELFATEVQMI TRIDNGIDEEVAFLTEAEANL KAAEDAKVPLFKFILTG
GPCGGKTTAIARLSYFLKERGF EVIACAEVYTILASNGMSFDFYSTEGMDTVIQNAVLDI
QLSLED SLERVLKARGKPAVLLCDRGPMDGKAYLSDEKWKKILDERGVTEADLRDTRYNA
VFHMVTAADGASSFYTLENNQARSETPEQALDLDRRSQKCWLGHPPHMYVLDNSTDFESKL
QRLVNI VCVLGLPTNLSRRSTKYLLQKRPNGTSF PKDVFHRFEVEKVYLVVQDDADGG
AYSFIRKRTTIGEGGKKQGSVYQLTDVAKKDGQVFETKRIISAREYNASYKSRDPSRHIV
RQERISFLYKTSFTIHNQEYQSPGLCILHAQVESKDNETPIVDLPDFLEIDRLLLEKSDE
DTYGAYSLSVIRDETKYN

>comp10906_c0_seq1; 455 130 1035 LEN=1429; translated
MKFFTALVAALGGSASAF TTPAKNSATTALFSSQYEAGLATGVGAPVPEERGGEMALTK
DVWETLSP IKVQGGSLRTWSFTTPSIDSVQVHLKTEGRPLNANVELWQGPDPNTPQKMAVY
LEDGNLRPFRAVIASPGSQNSIAIRNTASMEYPIAAGVEADIKDGGIENFTDKLSKMATP
RTVQGGAVFTMPFAPSVASVQVLLKTDGRPLNARIELLQGPNNVKQVMEVYTEDGTERPF
FAILETPGTGNVVRIVNTATVEFPLGCNLEPFLVEEGSDDMFIVSEEQGTSSSKFFFLD
K

>comp10907_c0_seq1; 365 1 774 LEN=1011; translated
XNNNNNSGGSDSGSTRDSAGMPHHRPLNTTVVLGGATV IIVA AVVTATITMTTTAITVR
PIIPFTCTQPEATIAAAAAI LVDPPSMSTTFQAAVDVATVILAVXMRDVHRSTRSGSNSS
NGDGNDAKHVLLVLLVVAIVMAIVGFFVGVLVVVVAIQRIVARHVHLLQKRQLVQEYRV
VDLQDYDLDTPVTTAPAEGEAPAGTAGTGSPEGFESTGVEGGAAPPAGTVGHPPSAPVM
TEEEAEYLWKLGLMDRRR

>comp10908_c0_seq1; 538 182 1642 LEN=1718; translated
MSKLQELKEGLSKIKVLEAELANSKWNEDPSPKSVSDFQNSLLERYQRAKSLYIQRRLS
FMVENVSSFNENNEFEIPDISSIEETGSSSSDDEL SHRNNDAATRSLDERHAKALAA
LETAAQ GIRVTLDNMRNSYQTVISRKELEQMVQDLEQDDDND EETDIDEDDETMMDIED
TDAEREKTELLQQRKRKLQEEYAMLLKEKEERMKTISHSREELATLKAESRILQSGQDP
TEFKQKIKELKEMKEFYDSL RDVMEELGSVKILDAREDSKSCHLFLTVSVYEKHRVEFEL
EVYRKTLLKLVNARVWVSKPIVTSISLDDIHHEQFSLPLDPFDDL VQTAKTSMGPPHDLRF
VVRET CARIRIVQSRVNDLAILRRRVLT KVVGNQVVC SLNEGIVIVMRLYDQWVKVEQV
IGVSGWDDSATEK IHKVVSKRDESWTPNLVVEFVQKEVERLRAQDGLVLPKTPVLP MRRK
RQADEK

>comp10909_c0_seq1; 646 91 1566 LEN=1628; translated
MIGKNRSLAALFVALQTASTTDAFTPRALSLASPSTSGFSALQPSTVRLFSSLDDDELYK
MLGKRSGIRRSKEELPSEDAVDDDDFANDLLDDFDLSD FVPDFKTRKRKPKKKDKD
EDNDKPTSSRNDDAGFDYLADYDDENDLHIPNRLGVSTRCWGEQKEGFVPSGK LKKKQLR
EGKFVPGDLQVAYNKLL EEGIFLFETSPAYGKSMAKMDLSSEAILS KLIKENQESEIPPL
LVSTYDNQIWERTKGLISGLSASCETLDQPVV DVYQAKNIGWLP SGGI IKGMADAVIDE
GTANFVGVQNVSPLRMRRLNQKLD SVGLSITTNCFEFSLTNRKKEK WIESCKAQGVVPLI
RNPEGSGLASAQYTASNPSGGVASAGSKYSFKTLEKYQPLHSMLESVAERVRTRLLREGR
KLKGRTKGPEKKVNTDITTAQVALNYVVAKGAVPLAEVNSPKDAEQLAGCVGWSLTDEEV
SMLESAAELCS

>comp10911_c0_seq2; 219 225 551 LEN=704; translated
MPTTLAKVCIFLVLPIGAGILGLYSVYLKQFSEPD RKLTIEADFGLPFMLTLLLVVVVGF
QTNGYNTSKVNPLIRWPVKRTRKF IHKHVVKGQDDDDDEKDAELKKNE

>comp10912_c0_seq1; 73 436 770 LEN=770; minus strand; translated
MRESLRCFPHRAAVLACLFLAWLGAVGETAEALKHNY YTRDRHSLIGPLGFPFGFLDSG
HYNLTVDFEL SAPKKHRHKNGEHGGSAANDLV LADVLDNVKGAGFLLKX

>comp10913_c0_seq1; 930 1738 4403 LEN=4403; minus strand; translated
MTPKDNRIAKMHKCI VNIIGIYRS GTTTLAKAASHLG MKVYRRFPDIRPEELK KILQDPGG
AVNEWACSGGVEALIDL VSKYDFVCDGW FAMPLPFLSHSVLDKIDQKARDSNVELRLVATS
RDIEALVKSELQHWVQNL EHRaelPLEERSRLEENLGERARLHQQRVRNIVRMGRAVLL
PLSDFGAWPDCLRASTISDI SEFSWASALKEVGCNSSGPLPIEGILLT MRLGSNDIADK
KITSVERLLDSIEQDHLCRYLIVFGIDADERDTRAEFSLVEKLQCRANVSPQMVSYIIT
NPTSPTDKQFAICDSWHCMAVKAWEKGADWVVL LGDDVTIDCSYHYRAFFRSFLDIADRL

KLPRDTFFGSPFWNDTSFPGFSPFPCMGKSHFEIFRGLIPNHRNGIFVNQDLDPYLHNL
LKLDAASPCVTPAKLVNGIGGNIGAGLPRYKRVPAKGWQDFVLEDFRKFVVRPFDPQEGVQED
ILLDVVVPYSYRVRLDYLSQICYLRVPERIHTNFI I IVDNQKELFRAAKEIKPDAEEDSVA
HAVKLEENRGRSGNTVVRVCNEENVGASASRNRLDESCAEFVLNLDLDDLTDPDLLEH
YGKKILEIDDSVVGVLVGLVRFPRSPNLPLRHA AVLMSYLT F MFEIAEHTSYATPAWGVT
NVLFRRTGSI RFDLAYAKTGGGEDVDYALRITEACGGGKLLALPKARVVHPFWPGSIFGL
LSHFHNWAIGDGLSFRFPEHCYWSFNLPEMLLVAVVPFCLQIGVVDFRFFVLCFSAD
VLVDGFGSDWNHRIGVVQIGSDRIATKRSVVFYLLAHILANLYVFGLECGRLRGHISRM
DLFHGLFRFDGISVDWKEHQRTFDGGKPKSFSFSLPFYLGSAKVD SX

>comp10914_c0_seq1; 742 253 3114 LEN=3232; translated
MRIRNRSYATAFAVSAATIASFSSQQVTDALRSSSSPRLSSPRTTKIRTTRITPRT
TTRRRVSHVACRASRTETDQNTNTNSNETIRIRRKANGAPVIDSVLLQFISQQNNIPDA
FREEKVAEGVANILETARIDPGADEFNSDDYEGPPIRAYMNSTDLSSGETKLVRTSEDSK
ELPPPLTQPEDKKHSLAEENVNYASTTDAIKRKLTDTGGSVAAVDPESSESQDSIAPKT
ASSWMIQFGSSSVAQMLLKEAGVEDSLAAKTAGDAVERYCVVRTARRRIRRFKERDNLW
ASTVEDRSSSARAELES LAASDMATSPAASLLLLSSAEHRDKSDNTIRDPSYGFTDVIEV
LKDYGLTGDDICVLLTHSPNLALRVPRKSFLREGETDHAETLEETLDRSLTGLLLGRLNL
RRYDARKILRTPGLLSVRGSESAQVLTIMTKLGVSESSLARDKSSLPVLLSRSPAGLF
RLVAFLSSTAVRMPLEKIGPLLRESGRELMDTLVPVNTSFSKVRSD EAAPTNDQLDE
EATTSTLFDAAAWSRTRMERQERIERTYANMVKTASLLRAQTGSNDVSRVISAFPSVLL
LDAEKQILPVARYMMGGLGIWKDDLSSVIKHLPTVLGKSIEELEKTVSYVLAQGV EEDAL
AGIFRAFPGFLFALEVETMQTVVDYLSIGVRDIGSFITKLPPI LGYSVEKDLKPKWEFLK
TVCLQPEFELAQFPAYFSYPFGRVIKTRFNYLAYKGISIRFVSMRIDTVLRFGDVDFATK
VAVDDDGGAFFRRFGKQRESRSANGHARRM ASSKKKNHGRRNDQRKRNFKHNSKNGATS
RFEKRYINNNNNNNNGSRNSNSNDRRRKEQQSRQTESPLEAAKRLSRDIDNAKDLAELN
KSFREAMPLRNRRI PPQQKRNTKQPAQKPNII TKQIQEKNDEADDASWPVTA

>comp10915_c0_seq1; 410 1 1389 LEN=1389; translated
XAAASSAAASTASSVAAATLVSQSMAIGAAQGIAGSAISASIAATGMASGAVVGATTGGG
LIAAVGLTGGGASASAI AASVVGAAVAGSAVYXSTDITSTVSGNLPHENPDIRPGVVRL
TLNVADILGDRDFFLIPGLHENTGNADEYDGINXSDWEELLASTYNNLTDFGCNEPFERR
IGNVSLLSAAANTYDEGDGIEGGLLDVEWNVTVSCWEKCPKEPVFGSDLRKLTETTGEE
EAEDITEKDADYSNRPFGLISEMEFRQQLEKMTKAYSTASQQQKDKDSSTDESQLTENY
SDVPSVSPSELPSQKASQVPSEEPSQVPSGLPSSIPSQIPSM LPSIGPSLIPSNIPSTFP
SRIPSEIPSDIPSDIPSEHPSGSPSRVPSNVPSSSPSTRPSNVP SGSPSVVPSVIPSELP
SSLPSLLPSNLPSIVPSQPPSEIPSTFPSEYPSVIEAPSMTPS

>comp10915_c0_seq2; 418 1 1324 LEN=1324; translated
XAAASSAAASTASSVAAATLVSQSMAIGAAQGIAGSAISASIAATGMASGAVVGATTGGG
LIAAVGLTGGGASASAI AASVVGAAVAGSAVYXSTDITSTVSGNLPHENPDIRPGVVRL
TLNVADILGDRDFFLIPGLHENTGNADEYDGINXSDWEELLASTYNNLTDFGCNEPFERR
IGNVSLLSAAANTYDEGDGIEGGLLDVEWNVTVSCWEKCPKEPVFGSDLRKLTETTGEE
EAEDITEKDADYSNRPFGLISEMEFRQQLEKMTKAYSTASQQQKDKDSSTDESQLTENY
SDVPSVSPSELPSQKASQVPSEEPSQVPSGLPSSIPSQIPSM LPSIGPSLIPSNIPSTFP
SRIPSEIPSDIPSDIPSEHPSGSPSRVPSNVPSSSPSTRPSNVP SGSPSVVPSVGRPSQLP
SSLPSILPSDIPSNIPSNLPSNX

>comp10915_c0_seq3; 36 1 258 LEN=258; translated
VPSVTPSISPSKQPSGTSPVVPSEVLGSPSVVPSVIPSELPSLPSLLPSNLPSIVPSQ
PPSEIPSTFPSEYPSVIEAPSMTPS

>comp10916_c0_seq1; 575 572 2686 LEN=3120; minus strand; translated
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TKPEDRASAILRSSRISRVTPNRHRKDSNSLSKTNTRVILNNVSGEARPGEILALMGPSG
SGKTSLMNVLSGRAAFQEGAVTLNGMILDKAAMK KELLPRVAYVKQQDVFFETLTVREQL
TYTARLRFPENLAWEERTKTIQKKVERILEQLKLTNIADSPIGMCSGGEKKRVNIGTELL
TDPAILLDEPTSGLDSASAVSLLGILSDLARKQGKTILTSIHQPNSATFLNTFDKLMVL
SDGNAVYFGTPTDSLGYLRRHHLACPEGYNAADHWMDLLVSDSFVRKGGNNGNGCDRDN
NSTGRSPRFYLQLAWNDVAE QMNLTSILHPQGGTNEG DASALNKATGERRISAGSKYT
TSWSTQFVTLTHRALAKNKSTLFSPIHILKTIATGVAVGIVYWNQSYTEKDVFN IYAYFF
FTMLYWVMNGMFEALFAFPQERTIVLKERATASYRLSAYFAATTIADLPLFLFMPFFFLV
ISYWMAVPSLGFVTFGLGILSIALLSVITGQGMGQLVGAAFDDIKVGQAVATVGVFLMLL
GGFMAQNI PPWLSWKYLSFYSYASNAALKLIFRNPIPCDGTGAMSPVCTPGNAIGSIDP
EVIFGQYGVTL SLAANVAACLLVCCIVPRGFAYYFLRKKKAGERE

>comp10918_c0_seq1; 595 103 1515 LEN=1613; translated
MVSLYKREALLAEGKAAALVLLVLHVFAFVVMMSYRLHTQRYYSQA AISKEWVSQLSSES
EDSGTLPKQKSGTPVNSPLKRFEPEMQQLIRRLEKQGSGVGPKREKTAQLVKTTTRKLTQK
LKSLESPTEKDAGSDESDHDETSQSALPNWRKLVSVGSLKDIPTKELATIFGNATKEIQ
EIVGTKREKLMKQFILDTAAGSSIVKEPSKFCVCPDLSTDSGDDDDDLNETKKLLKDA
YKEDLKDYLEKFD AIFANRVQAKGIEALLPESVKKIETEMEEQLETIFD TIAGFADTLED
QLEEFESDDSEQTEKKLSSSCINRELVTAVMEAGLNAQITNSDVREALRKTILALDTKTS
ENDLILDADLKSKGRNLGVSNSGPVIKSINIRSLVDTPLLMK SIGWIDMLVDAIGGYSDE
LDSYLDLASFHGTTSVGEIVVEKLLDEAGRMGELDAQYLKLLKDVVGK

>comp10920_c0_seq1; 2100 273 5159 LEN=5219; translated
MAFESKDGSNMYDGPLALTKERDAGVGFVANTNEEFGTHKVVQQGLSALTCMEHRGGCG
GDSISGDGAGIMTEIPWKLLEDFRSDSCPRPGVQIFLPRDEKRRDDVKAVIEKVKCKDNE
LGWLGWREVPTDPSVLGPLALASMPVSVWFIVKAPERLSGDDEARDGFERTLYLVRRI
AVELKKAGLEWDDDDGVVYIPSFSSRTIVYKGMVQSEVLSQFYLDLQNPDYTSRFCIYHR
RFSTNTTPKWPLAQPMRTVGHNGEINTLLGNVNWVKAREKSKSIELGDMVDCDSSDNIVT
MCNTQDNPSVLEPVVSLDRSDSANLDGVFELMCKSRHTAPCALMAMVPTAYMENPDLKNN
PEITDFYKFHGGLEAWDGPALLVYSDGK SIGASLDRNGLRPARFSITKDGSVFMMSSETG
VIPDLDEGEIVEKGRLLGPGQMINVDLMSGEFKDNIAIKSEIAKRHPYGEWIEKQRKDVTK
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GLYNYFKQRFQAVTNPPIDPLREGVVM SLGMTLGKKESIKVSESGARLIYLESPVLNSV
EMEKIADLAQDDQGGFKQKSLSTRYALADGPSGIKTALDALCDAAVEQVKAGVEVLILSD
KADGQTELETTYIPPLAVGAVHHRLIDEGLRMDTGLVVEETGGAWSTHHFACLVGYGAN
AVHPYLALETVKQWHGQSRTQKMMDSGKLLKTTLAEAQENYRTAVENGLLKILSKIGISL
LTSYAGAQIFEAIGLDEVIDRSFKGTTSRIGGLDLEDIASETIMMRPEVVGKLVNYGY
YKPVPKLGEYHANSADLAKLLHDAIGLDKKVSAAKGRDEL PNDGVK PANVANYE IFFKSL
EEAPLANIRDLLDFESDRESIPIDEVEPASEIMQRFC TGAMSLGALSREAHETLAI AVNR
IGGKSNSGEGGEDIIRGKPIADVDERGRSETFPHLAGLKKGDSANSFVHVQVASGRFGVTP
EFLVTAKQLEIKMAQGA KPGEQQLP GPKVSEYIAGLRASKEGVT LISPPPHHDIYSIED
LAQLIHDLHAVNEYAGVSVKLVSSIGIGTVACGVAKADADVIQISSGDGGTGASPLSSIK
HAGGPWELGLAEHSALYENNLDRVLRVDGGIRTGRDILVASLLGAEQYGFGTIAMIA
EGCVMARVCHLNTCPVGVTSQKEQLRKKFPGTPEHVVNFFEFVAEEVRELMAHLGYKKLD
DIIGRADLLKSSEEQNGRVAKTKSINVDKFFSGIPSTKDDRSFLKATIEGGAQVPKEEIV
HVNGFSSELDREL VKKPEIEKVIKDNSGEVAVTVPIINTDRSSGAMLAGNIARAHGNRGF
KGQINVQFEQSAGQSF GAFTLPGLSLRLVGEENDYVVGKMGHGEIVIVPSPEASVVSADS
SIIIGNACLYGATGGDFHANGRTGERFCVRNSGAFVAEAGAGDHCC EYMTGGVVVMLGSVG
RNVGAGMTGGIGYFYD TDGSFNDKVNHEIVKVQRLATPEGEAQLKHM IERHFELTGSERA
DEILGNWEEKKGKFWQIYPPSESKTAVVSSAEDATSVLRVSASAPDGMCF LPVGAEMSA
EQTQRCAD

>comp10921_c0_seq3; 250 1 1027 LEN=1104; translated
XDIDIDIDIDIEQEQPQRSQPFVPRKDTSSPSLLSNYRSRRGCYNNMGKHYKYLKRGG
KERRGSPTELCRSLLLLFVAIGILATAIWSIVRVVFSQNLPEATPGPIFSIISQSNHDKN
TGFDVPFANRHNHLHFDGILFVTDDEKQE QNETLAPLSFHAYAKTLDPVTELCFSPGESNT
TKEIILTTSAPELLNEPKVHSDPSAAMASEIAVLSILLQSNGEIWL PONTLERIEVSVET
GESTSELPLSWVKTGGADVLDLNLGRRITKNIYSGDRFVLRITTN AIALFRNDDRELLG
LWRNPTNRALMGSWESVPLYAQIWFREPRSSMVAYAQNELL D

>comp10922_c0_seq1; 318 150 1040 LEN=1421; translated
MDLPIIDHRYVIEDMGAVQVEVSPVPLATEQKNEAGVEV TYGQRKNRRLKMP L TWLGIYD
GHGDKASQFCSDWMSSYVKN EESYPFDLGYAMKNAFTSIDEDFVATGHPDGSTACAATL
VGGRRIVCANAGDSRAIVVRRDGTVVRLSRDHKPGMPDETRRISELGGRVIYWRWRVEG
LLAVSRVGDASLKP YVTAEPEVCEYDIGKDDWFLVISSDGVVDVMDNEEAHVVIASSC
VMEEGRLKIDTNRFKWAARNLCDHAKSCGSTDNFSCVVVDL KSCGNPHAKSGMYS P

>comp10922_c0_seq2; 471 570 2240 LEN=2756; translated
MATIRGRSSRSRGGSGMSTENKLR TSSSSSTNPVVS AWESRRRRNSKGNQSGHN FQSSSD
YGD DSNEGDLSSNKRRGKRSRKSASNR TDKKKLPDKEHDPYSDPGESYREHCERIQGE
QSRSC LAMP RFLKDG YFSNKLNQGA AVGNPLKVKVMN SSGDQGHGDDKTGATSPPSPLI
SEHDMSTPLAPNDPSNPAHQQFQTSRPASLPRDLARVYSLRTS IGDGTDAQPGGSAAMM
ERREL RPNNVHINVSHWSDFGGRNYMEDRYVIDMGAVQVEVSPVPLATEQKNEAGVEVT
YGQRKNRRLKMP L TWLGIYDGHGDKASQFCSDWMSSYVKN EESYPFDLGYAMKNAFTSI
DED FVATGHPDGSTACAATLVGGRRIVCANAGDSRAIVVRRDGTVVRLSRDHKPGMPDET
RRISELGGRVIYWRWRVEG LLAVSRVGDASLKP YVTAEPEVCEYDIGKDDWFLVISSD

GVWDVMDNEEAHVVIASSVMEEGRCLKIDTNRFKWAARNLCDHAKSCGSTDNFSCVVVD
LKSCGNPHAKSGMYS

>comp10923_c0_seq1; 1477 163 3492 LEN=3823; translated
MERLTINCKKRLWISSFRMVLCWFCIVLSTLTIRASQAQSQQKHASINYSSNDNDGN
SNAFLTEDSVVLITGAAGFLGSELALALHRTYSPKRIICVDRMGDHPDTQEELALFEFQR
QRAFNVMTLGERGQFYRVDFSPMPEYFDMGEVPLDHFRENPDISHVVHLADPFPHS
ALQAVPREKDVPKAGMMEALLEQLAKHERDARNANKNPDGESDTFVYVPPNFVYASSFEV
YPHHTSLNLGSDKSKMEAVHILLEEKQTLSTPTSLRGASKMMDEMIKLYYDTKGLYSV
GLRFFSVYGPWGPVGSPLFEMAERAITGDLGDLREEHEIENFHSGLNGVDIDNDETDPKN
KNDSHRNDWKKSIHDFVYIDDAVDAMMAAMQFRSDPSPESSADGSHANSPHPIIFNVASG
EGHSLLEDVLGVMQEHFPPKSKKSDGRRTKSSDVTGTIGSTKRAEAFGLYKQVSLREGI
TKMLAWHYDRAFPYGGQDKNIDASKAAKLEYVTQQGIVGCLQFDKECLRGPIFFCASE
CSHQAOCTKSSYDEVIALTQKLTSNCESVLYTVDLDESLGSLPSANPKIQTSKSFKGT
NVAFVSQQSLLVKSHQNTPAKGDGHLRDGPWVLPVLPNVPSNVAGAIGRDGDNDYSDLINK
NDVLRLLPKLSPGLFFGSKTKRAIYVDPVIMIENIPKLVQESYAQPYNKDMEGATAMLI
GRGTPRDYFSDDGDEEEEIILKLDPPNYEHQVLQPKNALVQNAAYRMVKISVSDNLFGDG
FTELLDSRWIVHGLGSNDGRLFRCDVLGEILQWEVTSDKSALEFVLGLHDMWSRVIKAS
GIGSWWIGENVVTVPEGRRRRSTGRRRLLEEEGEAPVTEENDDGEGESAAADDEAGVKD
EGGETAADNDEAEKREEGDETVADDESGGNDRKSETEAEDDGSEEEQNPDDASRDGEE
SEEVAVVDTAKRNSREKASAPETREGSEKKEEPEEDTADDESEEDSQEQNPEDTSGE
ANDRGEFVADAVAQEEVTADEEKRGDSSDEIEEAGVGDEKERESGEQEQDFSSYDTW
MGILSSSNVKYFVRIVPSSEVGIVSIESS

>comp10924_c0_seq1; 526 353 1730 LEN=1730; translated
MVQSLIQRIRENKLDALYLFINESLRDRNNFVFFNDLMVLPNNWSINRVEIGHEFLSR
TVVADHQQQQVNNDVNNINRNTSGDGNPSKQDHLFQNVCSLESLSLIIISDGYIPRKDHG
FVDTKALLRNLPRANNLQYLDIQRLKLRITSDSIENNDAMLLAECLNSLRDSLEDLRLTA
ISFCDTTKTPTPTTPTTSENQHKLCTLHRAQSEEQTRRRYPLDSAIRVCGDMANLQLLAI
SCATGCGCNCNNGEEQQQDGLAIRDANEASSSSSLSSSSSLPSSTKSSCLISREVLLYL
CRSSSTLQEFALRRMRIDDDTCKTLAKAFDPPNKKYTTRTSSSSLLQOCNSSDEYDEDN
DSDSNANSHHSPSFWTSLDLRQNPISIGNEGYEAILSSLERNYDLWCSLMVVS LN DSECSM
GFHRALAYFLYPFSFFSSHPLYFYRIETLLPKQDNESFX

>comp10924_c0_seq2; 606 353 1888 LEN=2424; translated
MVQSLIQRIRENKLDALYLFINESLRDRNNFVFFNDLMVLPNNWSINRVEIGHEFLSR
TVVADHQQQQVNNDVNNINRNTSGDGNPSKQDHLFQNVCSLESLSLIIISDGYIPRKDHG
FVDTKALLRNLPRANNLQYLDIQRLKLRITSDSIENNDAMLLAECLNSLRDSLEDLRLTA
ISFCDTTKTPTPTTPTTSENQHKLCTLHRAQSEEQTRRRYPLDSAIRVCGDMANLQLLAI
SCATGCGCNCNNGEEQQQDGLAIRDANEASSSSSLSSSSSLPSSTKSSCLISREVLLYL
CRSSSTLQEFALRRMRIDDDTCKTLAKAFDPPNKKYTTRTSSSSLLQOCNSSDEYDEDN
DSDSNANSHHSPSFWTSLDLRQNPISIGNEGYEAILSSLERNYDLWCSLMVDNESFQSKFN
ALIELNQANRGAALVRSPTPEKLAFLDCLKDNPTALWYFLT IHRDAILLPLLDLFLKWKNG
IVRKRANAIAEANPQQQGGHHRPLDEAFS

>comp10925_c0_seq1; 238 53 493 LEN=1585; translated
MTNQRIELGITLLLATIIACSAFTTTPLRRTTCTPTVARWLNKPEVFQQQSVRAGRASP
FLESNGMDCYQRSLPVLSESMGSDDVSSASSEDESLSSAAAVPAWKRTLMFYKYKNDGSL
KVEEDDGLTFKQKLAKMGLSALLSYG
>comp10925_c0_seq2; 301 53 844 LEN=1210; translated
MTNQRIELGITLLLATIIACSAFTTTPLRRTTCTPTVARWLNKPEVFQQQSVRAGRASP
FLESNGMDCYQRSLPVLSESMGSDDVSSASSEDESLSSAAAVPAWKRTLMFYKYKNDGSL
KVEEDDGLTFKQKLAKMGLSALLSYGFVSNISYCFTVSLAWFGFSKKTGLSPLAPGQWKG
FLAVYAGFYVFNFI RMPRLAVSIGVTPYFDKAVAAIQRKTKFSKSVSIGIVVFLANVCG
TTSMLSLGIYIASLAAGVPIFAK

>comp10925_c0_seq3; 238 53 535 LEN=1430; translated
MTNQRIELGITLLLATIIACSAFTTTPLRRTTCTPTVARWLNKPEVFQQQSVRAGRASP
FLESNGMDCYQRSLPVLSESMGSDDVSSASSEDESLSSAAAVPAWKRTLMFYKYKNDGSL
KVEEDDGLTFKQKLAKMGLSALLSYGFVSNISYCFTVSLA

>comp10926_c0_seq1; 440 124 1263 LEN=1588; translated
MASAWTAEWINLNLDVGRSIEPPRSGHVAFGLNDKIYVFGGYAEDTTTAERYPTNDLWCF
CGSDGTGDSKWKLVKPASSSQPQRLAAAAVTFRLDEDTPAGLVGGWDSQKAGTGGVIL
KDVQVFSSENDGEGGSWDELPTDLEQPTSR LCAVPLGDQILVHNHRCTDHVLLLSVKGSEL
LKQPTSGTAPSARGLHVAVR LPGTSKVVVFGGAAQSGSMSNEVFVLDTDKWIWEDCSVSE

AEDMPCPRASPCMVVALDEKSCIVFGGATPTSEAGLHGCNDTWLLELEESATDDESSTKTV
AKWTRLSEDGSADAPPGRNAASLMPLSSMPRVLGKEIESGSDNPQYFLLSGGWYPFRTT
YRDNFVLKVTKTNTMQDSQ
>comp10928_c0_seq1; 149 247 540 LEN=1289; translated
MSPPVKATIVKGYKDESLYKTMQECKDVRKSLRKVKDPDVARREKKMLLKKKALRYKIKG
KDTSDGYLGMTPGSLQHVRRLRHVDQDRTPKNLASE
>comp10928_c0_seq2; 149 247 540 LEN=1081; translated
MSPPVKATIVKGYKDESLYKTMQECKDVRKSLRKVKDPDVARREKKMLLKKKALRYKIKG
KDTSDGYLGMTPGSLQHVRRLRHVDQDRTPKNLASE
>comp10929_c0_seq1; 644 74 1225 LEN=1535; translated
MFRTSRSISFLLL VVWTCLLAVTAFVSTAPRLATTSSSTSLFAVSSLVKAKEAELKKGL
KENGIPDDVMENYKVIQEALKSDAAAPKEMGPLQDRLTRKGTITVIAEYKRKIADGAN
GYINVNGGTDDDADDAEKRKQNLAAQNPNLLSSEFREFGAAGIAVLADGRMGGCTYDDIA
TFVVEEQRRASNEVPGPVPIINSVDVIDEVQIAQTAAVGAKAVVLDWELLGGEEDVVKLAK
AARALDLEVIVAVRSKEESQGAIDAVGGFSMISVVGKPTCDEKVEVVDGLDIPEDVTITT
IANILHRSDQGLAEVEECWMCRDKGFNAAWISDALYKAGNSEVEHPGAIIRSMAAKSSVR
WASPVAKSGRGEGAKEYLGDILM
>comp10931_c0_seq1; 249 118 763 LEN=763; translated
MDSTSSVTNSEHTASTDVGSYGQPSQVGMIVPTVSEEEQQGVRTNGAHLAYLPRSVRWRI
QLGLLKDP TLAIPNSDKESRCTLQSLLEHNKEIIAEQEERFKLLVAKHIEETIDEADRVO
GESNNSDINAVDNDNTRTTP IEIDPLTAMVMEQEAQKTRKAELYLYRKRERARRKRGLS
TDARVIESESEDEVDQASVSECPKVLDTCCGKGHFTX
>comp10931_c0_seq2; 723 118 2094 LEN=2174; translated
MDSTSSVTNSEHTASTDVGSYGQPSQVGMIVPTVSEEEQQGVRTNGAHLAYLPRSVRWRI
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GESNNSDINAVDNDNTRTTP IEIDPLTAMVMEQEAQKTRKAELYLYRKRERARRKRGLS
TDARVIESESEDEVDQASLIIIEKDLKRLPHPAEPKQPIVGNLSPQSRTPELDARITSLRE
ILYMYAQENPVMGYRQGMHEIASYLLYVLELEHKEYPDHPLFNPILPICFVLLERTLEQL
RTAYDASGGKSLQMSIAILGKILQNNPTLYHHLTNNPNIPPPPIYCTRWRMLMFSREVV
GYENVFKLWDVLF SYNNLMQALEIASAGRILLMSDGLLIPDNNLTDLLMNVPPLADITPL
TDILEKLMEQRENGRPIQLPSTRSFTGQRHQKQQQNLESVAPRNQQNAHALLRPAQQQR
SPSSGDSLFSFHNMQRSLNQKSESLRKKIITTTVEWKEAASRRDNNLPFDPLQAVVVA
HPSSKASISNNGGHDQSPGTQRSYGFDTNRNNDLQTTPAVGTTSPISIPITPKQHHEMWS
KILQQKIWTVQQFLLDLESKENKGSVPREVWEALADMDRMQRELKNYSLSNMGGGALY
>comp10932_c0_seq1; 337 65 2023 LEN=2438; translated
MRSLRSNLIRVNIIVACGLVFQDNGFCEAQQIEEANEKKNKTFSSLLAPVSAPSPQDQPA
VMFVWNNFLADDGYDQNPVPPPTFRPSVYEVPTVYETPTNPPYPEITFYPETAKPTRYP
TPFPTPQPTLFPTRPTRQPTIPNTMTMPTSPYPTRKPTYFPTPFPTKAPTNPQPTPYPT
NRPTLKP TAYPTDGPTRKPTAYPTFKPTMQPTHKPTLMPTDEPTNMPTSRPTNRPTMPT
RMPTMPTNGPTPRPTNMP TERPTLAPSPYSRKPTLKP TQYPTFKPTFMPTPKPSPEPT
MKPTNKPTPRPSRIPTPMPHYP TFRPTRMPTPYPTFEPTGTPTRKPTPIPTMYPTVEPT
PYPTYRPTPKPTPYPTFKPTLKP TSYPTRYPTTRPTYKATPYPTDRRPTAYPTRYPTYP
THAKPTYPTRYPTYKPTQYPTYKPYNYVVSQPYYPPEPLYNQQYFPGRSPLPDRSPVVD
RSPVVPVGSLLPPPDRSPPLPDRSPPTPHPTERKPTQYPTESWTNPSYRLGRDKTPRPTPN
PSDRPTPLPTDRPTPLPTDRPTPRPSRPSGDPTPQPTLRPSARPTGGPTETSISEPVSP
PTDQNGRTIDSTEGRVEGSGDAFFD TDVAKFLAQGFNPHATKKGKPTGGNF
>comp10933_c0_seq1; 489 224 1964 LEN=3685; translated
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VFFSFMIKTFFVGEDYASEGSNQDQADDDGYNYDDGHQNDNNSNRNYVGVDQNKLSKYL
FTFSGEVFWMVFLPPIMFNSGYELKRELFRRHLKPILSFAVFGTALSGIITGLILFGVSN
LGWTDVPDANLLEFLTFGSLIAATD TVSVLVGNLAKKVNPHLFLSLVFGESALNDAVAIVL
FQSF SRLVKMGGIGSKEYLVDEVVHFIVTFLLDILGCPIMGIAFSFVAALLFKMVDHGT
PVLELSLYLLIMYIPFIVA EVMGMSGIVTIFFTGIFARRYIEPNVSNETKHNAEVI FNLV
AYLAEMCIFINLGLSVFGSGSFHWF IGFAIASLIGRAMSIYPI SFLFNWLSLVERSEG
PVSPVYNRRATIDVVTNKDVLRNTEAALSSLQTTITDSKDDFVEKNADRLYREKDANVSF
SDVSIVRHTPEKSLDKVIPAKFMHFLWFAGLRGAVAYACARDFPDVYGNKDEVVAATMVI
VFFSIIIMGACCESFLIALNIRMGVDNNEYMGSGGTDEA
>comp10933_c0_seq2; 489 224 1964 LEN=3772; translated
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VFFSFMIKTFFVGEDYASEGSNQDQADDDGYNYDDGHQNDNNSNRNYVGVDQNKLSKYL

FTFSGEVFWMVFLPPIMFNNGYELKRELFRRHLKPILSFAVFGTALSGIITGLILFGVSN
LGWTDVPDANLLEFLTFGSLIAATDVTSVLGLVNAKKVNPFLFSLVFGESALNDAVAIVL
FQSF SRLVKMGIGSKEYLVDEVVHFIVTFLLDILGCPIMGIAFSFVAALLFKMVDFHGT
PVLELSLYLLIMYIPFIVA EVMGMSGIVTIFFTGIFARRYIEPNVSNETKHNAEVI FNLV
AYLAEMCIFINLGLSVFGSGSFHWAFIGFALIASLIGRAMSIYPI SFLFNWLSLVERSEG
PVSPVYNRRATIDVVTNKDVLNRNTEAALSSLQTTITDSKDDFVEKNADRLYREKDNVVSF
SDVSI VRHTPEKSLDKVIPAKFMHFLWFAGLRGAVAYACARDFPDVYGNKDEVVAATMVI
VFFSIIIMGACCESFLIALNIRMGVDNNEYMGSGGTDEA

>comp10934_c0_seq1; 2092 119 5224 LEN=5365; translated
MATPLISITRSGGHKRNGKRYTPVGTTVVSPMSSASPVDSRMTPIRRSLFQKRRMTSGKR
RKDSFMAPINNESRDESIYSENTNTNTSSKKKDGPLSNLRDRFNHIQSGLGSINEERNN
LVEKARQLDKEKQSIQKQLELREREIFALIRRCASQEEKMRESSKLRSKNKTLQKDLDEI
TRKLDGIEDKKQDRLSIEKRLQESELDRERLKDRLAQLQREHDSIADTLQECLGKIRVLT
EEKHAIIEERRRERKRAEIELEKQHLAHVNNNSNCLKEDIQAHQRKIHEMESILQDNMKS
TALRREKAAMSQQQEEIQGIIKQYEEQLKDMKIRNETNVDNKVHHKVDGEKLNVELTV
LTEKLESKDARIAELESEFSDQMMELMSKQGSLSDAEKKRLELKVFAFKKVEIEHSAL
LDFVDILDSNLAELTVTNANLELQKDEMRDETNELRKKVTILQKQLSNLMNNRAKESDF
RELLNSEKEELRNEVEESLNKARGEILSLQAELEERRNRSIINLETELNRTRKIVIEKEEE
IVRILNEMENLCSNLGTDLEKARDEVARLEAEVFSKDQKLASIEGHLEGAKEVQELEEKV
EENLECQLQLTTKDFDDNESLLGSKGTAYISKERNVDIVREITDYDKLEERIRILEKEL
SEAQLSRSESATNLKKAQETIAELEKQLIGEDARTISLETELYQATTDLSKEESKVLISIE
NDHLAREQFQMDYEEKIQETSSKVATLEDEISEMRNQSNNLDIKLEESYRENAMKDEVIS
TLRTELLEGQEEKALFSELDIKNKRIKDLELLLEKQLEFQTTMDDTNSALARKEDIYK
AIEDRASNNQENAKKLEALLTQAEDDIVLLEEEIQYQEKERETLSEELKKNVQNSRDKYL
ESEKKMECLLSESYLTNQLEKTNAILTEERESWVAKHNSNEELASLQVKIMELQESLT
DREKATLENGEEEEENLSSILEGQLEAKNTIVELELEANAKDRKLNLDLEQQINDRESEL
AVNEIRRVEMEVELTSANEKMKEMKTNICALLELRLVIGIGDELEHKRHEIEEEGKKTSSLQ
SKCSELENEVQSLNQTLQVQEEKLVKTNDELEIKKTDILKKEKIIETLQASIRSLEKDDAD
QTRNEVSLQNDAVAILQEAENLKSDFKAETELTEKNKTTLSLEEDVESEKAIRMDLQ
ELTIAKVKINEYEKMKVLDLQERLEVEKQCKTFEEKLLEAKIALESLESSSGERIAGLEN
QIAELRGDSTFREQEESTKRKNAEELAALLKKEITTLRNEELQOKSTRKSEKESMVKEIE
ALKSELEMLLLKNVDLSEQREKEAEMRITSTELFESSIQELKAQLSNLISTIDERDAMIQ
ELNTKIDALKNKKEEARVQLGSAKANLEAAAAREKELDMKFRNKDSVHKQELESTLKR IQ
ELESKVEERGGLLGEVVDNRKKESELOKQEQTNRLRLEAAFAEERNILEVNRKDLEKAQE
DLRRNQRNIESKIKEERSQKEEAQLSLKQLQTSCKESMRTRKRLANDLERENKELKDKIRR
QEEYLRKRLQKEKAHRSHMTPAKSPISPFQSFARTPLKNMTNSSSKAAPSSAYSRSKLQ
PPSAIGRSISTRIPTSTNTKRRSTSSVANSRVGISPKSIRSVRTTIVIQTPVKQVSPLSAQD
ILQFELDDHHSVSSDLSAIFL

>comp10935_c0_seq2; 679 92 1678 LEN=1739; translated
MAGAETFQERSKGDVVRTSNIVA AAVANAVRTSLGPRGMDKLMQLENGEILISNDGATI
LKNMKVIHPAAKMLVDLSQSQDIEAGDGTTVVVLGALLNACSSLLSKGIHPMAIASSF
LRAADKAVEFLEEISKPVLDSDRDSLLSAVETCLSSKVVAQNSDLLAPMAVDSVLGVVED
VETSTNVDLKDRLVTQLGGTVDDTELVKGLVNLKANKTAGGPTEIQNAKIALIQYCLS
APKTDMDNNVVSDYAAMDRILREERKFILGQCKAIKKSGANVLLIQKSILRDAYNELSL
HFLAKMGILVVTDIARDDIEFVCRITLGCQPVAHPDQMKADKLGFAENVSDVLMEGGSTKV
VKFTGVKNPGKTMVLLRGSNQFVLGEAERSLHDAQCVVRSFVKKRYMIAGGGAAETEAS
LRLHKYSQELSGMDAYCFQAFADALELIPYTLAENAGMKPIEVVTELRKQHAEGIKGAGI
NVKKGKVIDMYEMNVVQPLLVSASAIQLATECVSMIMKIDDLVVVAHA

>comp10936_c0_seq3; 181 1 1237 LEN=1480; translated
XTNLCDAIVNCQESSSTMDHDPRLPTFPRSCAEVDVKA VDDLLEREMSQLSFHEQYQVCE
DVKGTNSLALAEPNELVSMGLNALENQLKILGESIKYYRLAEKLSNETIEARAFRLRFAR
AECFDPAKAAIRMDRYLKMIYENFGEDCLRRPLQLIDLNKAERDLLRSGCIQIFPYRDL
GRRIIAMLGDLGTQNHTLKNKIKVIAYLMQVI SEDEETQKQGCVFLFWPLEPTSTVIQEV
NHAFQVSPVRI SASHFLLYDDVQFRKLGWQLLAMTREMRRARTRVHFGSIEHCQQLSEC
GISSHFLPVTNTGNVKNQNLKWF AFRQAKESAFKQGLYFDGVDCPSVKDILT GKGQV
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>comp10940_c0_seq1; 391 219 1649 LEN=1824; translated
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DECPILPPLLI AKRASRRSTRSSSMPGGWTSMD DGNPAPQETHHTIDRF AVKDIICRKY
TKQSSKTNKCVNSACGIEFG EYHCSICNLWMSNEEKPYHCPDCGFCRVGGAENFKHCHDC
GMCIDKTL YDNHNCKSGKYKSNCPVCQEF LFSSRSASHEMPCGHAIHWECFRQLAAHDSR
CPICKKTAETKERMIPTWNAMAQAVAMQPVPAELARVVNISCIDCEQSEDARAWHFLGVQ
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>comp10940_c0_seq2; 281 219 1109 LEN=1109; translated
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DECPILPPLLI AKRASRRSTRSSSMPGGWTSMD DGNPAPQETHHTIDRF AVKDIICRKY
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>comp10941_c0_seq1; 453 105 1529 LEN=1550; translated
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PFKEGVDDPELRSEETRKRRLRARIFLSYTSNQISCGQREVLRFVQHRMVDCIVTTAGGI
EEDLMKCFEPTFMGDFKLDGRSLRKKGINRIGXVEKPLLPTSPFHYGQKRTYHVAVINF
AEGNLLVPNKNYCKFEDWVSP IIGKMHDEQDEKMLEWARAVAKLDSTENFPEKFAWTPSK
FIHRLGVEIDNEDSVLYWAAKNDIPVFCPALTDG SVGDMLYFHSYKRPGFILDINEDIRR
INDLAVRTYASGMIILGGGLVKHHTCNANLMRNGADWSVYINTGQEFDGSDSGASPDEAI
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>comp10941_c0_seq2; 543 105 1436 LEN=1457; translated
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EKMLEWARAVAKLDSTENFPEKFAWTPSKFIHRLGVEIDNEDSVLYWAAKNDIPVFCPAL
TDG SVGDMLYFHSYKRPGFILDINEDIRRINDLAVRTYASGMIILGGGLVKHHTCNANLM
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KNVKQWKEDMIGTACFIDDLKSE
>comp10943_c0_seq1; 279 1 1307 LEN=1725; translated
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KNDISFDDPEDTLH SWLTSLGENEGAKPLSGAAALLDPAELTNAMLEKVL SQGNCCFRQA
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EGVLSTSLIYQDGI PASDSGTAFFDEDSNGCHLEVFGRKDRSLYVSGCGESQVIGTRCL
RSTERPSPNVDCPPDALEPPPPGPASKKLDMI IATLLISEGNPQPD TTQA CLRPMTPDNV
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LLKRSRFP GVSATT
>comp10945_c0_seq1; 224 1 1015 LEN=1072; translated
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TIRIAA IASIPAFQAXNENDV VTRLERPLRILEVGC GKDCRIIRNLYDDAFFDLASSGI
TKIELTGVDILSPSTEA IHSKDVLSQRV ESSKLDISFDYVKGSLMTGLDFDDGFFDCVI
CSLTLC SVDDQV GALTEIKRVL RQKGSFGYVEHVAVNGDEPYRLL E FQQLFDGLQQLV
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>comp10946_c0_seq1; 1041 129 2354 LEN=2397; translated
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AERKLAAIGHLLDRRH DGRYLCWNLSEVDYDVSI LNDQVLTFSFPGSPSPPLG LLLKLLV
SMENWMKADERNVAVVHCLTGKGRSTI LA AFLCWMGEAGFDVNEALAYIAKCKQLRPD
DLTIP SQRRYASYFKNMLDSVRPSQTP LMLKRIIMSEAPKFAKGPLKDKVQVEKNDANET
SQVDDKQLMGCAPYLQIFKAGKLLHTSAASLHVQQSEEE LPFVQVIDGTVPFNIDQIIHG
DILIRCRHLTFGKKRVSMFRAAFHTGYVPPNVLRLTKSQLDGACHDKRYPDDFFLDLIFE
KVDADALARFEEKKANETKNIGTDDEKRKKINGPVIEASEVDSMLKGD SRFDVVISSK
KQEHVKQANDDAFWGPTVGRRRGDAKKKETANDDD KKT DATTAKGRTQLETFSIGNEFDF
LPVGECAKTENKPKERDSLMDALNALDEEEGHNVNSTEEIVFDYVDSVSPASNPPKSVF
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>comp10946_c0_seq2; 970 129 2520 LEN=2563; translated

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ETSRSSTLERQFQVKKGFYKRDPKLPDVEALRDAEVVYITDRIITMSHPATASKKIPAIT
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SMENWMKADERNVAVVHCLTGGKRTSTILAAFLCWMGEGAGXVEFCINHEGWNHEVYDRL
FNVFLFVIDQESELEDTLFSCSSIPISPLCTGNXIGFGDVNEALAYIAKCKQLRPDDLTI
PSQRRYASYFKNMLDSVRPSQTPLMLKRIIMSEAPKFAKGPLKDKVQVEKNDANETSQVD
DKQLMGCAPYLQIFKAGKLLHTSAASLHVQQSEEEELPFVQVIDGTVPFNIDQIIHGDILI
RCRHLTFGKKRVSMFRAAFHTGYVPPNVLRRLTKSQLDGACHDKRYPDDFFLDLIFEKVD
DALARFEEKKANETKNIGDDEKRRKINGPVEASEVDSMLKGDSTRFWDVISSKKQEH
VKQANDDAFWGPTVGRRRGDAKKKETANDDDKKTATTAKGRTQLETFSIGNEFDLFPVG
ECAKTENKPKERDSLMDALNALDEEEGHNVNSTEEIVFDYVDSVSPASNPPKSVFEDET
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DFEDDNDLDDLENMLKA

>comp10946_c0_seq3; 577 1 1272 LEN=1315; translated
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FRAAFHTGYVPPNVLRRLTKSQLDGACHDKRYPDDFFLDLIFEKVDADALARFEEKKANE
TKNIGDDEKRRKINGPVEASEVDSMLKGDSTRFWDVISSKKQEHVKQANDDAFWGPTV
GRRRGDAKKKETANDDDKKTATTAKGRTQLETFSIGNEFDLFPVGCAKTENKPKERDS
LMDALNALDEEEGHNVNSTEEIVFDYVDSVSPASNPPKSVFEDETNSAIGDAAKDQIKN
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LKA

>comp10947_c0_seq1; 211 55 705 LEN=917; translated
MIKVYYYPFKFWRAEVLRAGLFLQNIPFENITDMEQIKAKKPSTPFGAFPPILELSDGQIL
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>comp10948_c0_seq1; 279 174 1211 LEN=1333; translated
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VLALLSHRSFKKRVLRVLLCPWLYIEGESSNPPWMKFTHTLPAIFQSTIIPFVLTGLSS
SSMKLLTYANPELGEVQALKLVMDYTCLQGQAGNEQMVRLALSKEYETYLPEESGLQSPII
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>comp10948_c0_seq2; 162 1 885 LEN=1007; translated
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LGHSLGGLHVLALLSHRSFKKRVLRVLLCPWLYIEGESSNPPWMKFTHTLPAIFQSTIIP
FVLTGLSSSSMKLLTYANPELGEVQALKLVMDYTCLQGQAGNEQMVRLALSKEYETYLPE
ESGLQSPIIIFHGENDSLVPPEERILELVEALKLRNCDVKYTSVAGGDHNNILSKTENLIN
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>comp10949_c0_seq1; 764 193 1989 LEN=2108; translated
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AEMVTNLRGMF SFILYDKKTDYTMVARDHIGITPLYI GWGNDGSVYVASEMKSIVGECNK
FQNFPPGHIYCSKGPKAGEFQRWYKPNWAPEMPLPGGEMPKEGYQSDVLRHAFERAVTRRM
MSDVPWGVLLSGGLDSSLVAAICSRHISRRSTSFPKLHSFTVGLGEGSPDLVAAQKVADQL
GTIHHPTYTLEEGSDAIPDVIRCLETYDVTTVRASTPMYLMSRKIKAMGIKMVISGEGA
DEVFGGYLYFHKAPNEQEFFDETVDKLSRLHMYDCLRCNKAMSAWGVEPRVFPFLDADFLQ
VAMNLDPKKEMIRKGEPEISKEDTRIEKWAIRKAFDTPDDPYLPDEILWRQKEQFSDGVGY
GWVDHLKDIADKEISDQMFANAANRFPHNTPTTKEGYRMI FESFYPGAEEKTVPGGK
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>comp10950_c0_seq1; 364 39 818 LEN=1206; translated
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FLDCSWESKDIHKEDVWKT FNRYNEVVGPERSTIPPAYESNGFQIPVEIEYSEEVGRGV
FTKVP IARGELIYESTNNAQFQTGEEYRTFLSKLPTDLACDVI I WAFSRMVSAEKEDEFI
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IRAYYGDFAEPHGWEEEMGL

>comp10951_c0_seq1; 1499 180 4373 LEN=4452; translated
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YRGGPPPGYYDPHNGSRNPSSSHHYQNGRGGPPPPGRGYDSQPPSMGSDGRPHSRNSDS
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GALDSTMLNSSTSFELKPSGSRSPIQTAGSSSDNYLQLSASNGTFKLNASMSGALFGMSP
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HHHQGYRQRPSSYGPKNKDGTPRFYNFLRKNKDAFVDMTFMLPKLKFVMEAKATMGGN
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ATSGNVADKTKSSSNSSNAQSI FREKSGEPKTVTPNSSSSSSAAAESA VGRASREQSRYD
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ERDAADGSDDEDGTEDEPSGSDSSKKGKGGKGDSPKMRYRCKLCGQPKTNHVCPYQQSLVRN
IGVMVHPAVNAFAAAEPGKLAPALSEMNNLAI SAARVQAENGTGGHSDTSPSRPTPDRS
SSRGSNSQIDADGVSSAAQVTPENLRSGASSRNGDLGTPQRSRAGTPGSSSSHRRGGH
TPASSRKKRSHAKMNGSAGDQTDLLFVEEMELKTSQFRITITPSKVSENPDFAFTYPALPL
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>comp10952_c0_seq1; 382 1 1318 LEN=1383; translated
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ASGDRDTSAGDEPLEQPHQLLAVAIYGGVLVLDAGTMEVRDQAFGIGNSAVLSLAVAGDG
GSIIGICLDKRLRVYRCTRQETKTPVWKALDWIGFDGKVTQALFSPGHQKLAALGGMLV
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>comp10953_c0_seq1; 300 209 1269 LEN=1382; translated
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WKVFFGGTIEGEVRI RVLGTGIHRGGDRNLPSEMERLVRFAESYDTGMNLYSNCRVFA
ARAEREAERLNHPGGGTHGALAADXALLRADPVGGPTAGDRSAGRRCGAPPMPERVTEP
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>comp10953_c0_seq2; 286 209 1287 LEN=1400; translated
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THQAVLVTSVPPPKRAQTPCDSGADPGRNTSRPETTTTTLRMDFMKGGAAHPVWYDDATR
WKVFFGGTIEGEVRI RVLGTRTGTSTGIHRGGDRNLPSEMERLVRFAESYDTGMNLYSN
NCRVFAARAEREAERLNHPGGGTHGALAADXALLRADPVGGPTAGDRSAGRRCGAPPMP
ERVTEPVVPNGLPSANHGQTTKETKSLPCGVFVPSLHTNPSPCNTFGTRCVDRMSCANA

>comp10955_c0_seq1; 142 90 320 LEN=847; minus strand; translated
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>comp10955_c0_seq2; 142 90 320 LEN=714; minus strand; translated
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FLWNHEKIFGTNSKKAW

>comp10956_c0_seq1; 285 149 532 LEN=1064; translated
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KQARAAA

>comp10957_c0_seq1; 496 149 1813 LEN=2885; translated
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VGAGISIMTYFGLISFDNKNFLANNSDNEHNTSFEDSILSEKEATSSPESWTIPDIQTTS
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IEDSDNRVSEIILYDDLKFKGQRFALLTMQYSLMGESVFSFDRQQGVDECKWEGVACDDFG
RVIGIDFSDLELIGNIPSEVGFYKQLQILDLSHNKIAGTIPEEIYELGDLQRVYLYQNKL
TGTISSRIGELNSLQYLHMSHNSLTGSIPTQLQSWSDVFRPLKYLNLNLDNNLSGTIPRN
LRLRDLYYFDIGRNFIAAGSIPEDIGTDFVELRYLHVDRNRLTNSIPATIPPMASGRLLISV
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>comp10957_c0_seq2; 167 153 350 LEN=1000; minus strand; translated
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>comp10957_c0_seq3; 496 149 1813 LEN=2007; translated
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VGAGISIMTYFGLISFDNKNFLANNSDNEHNTSFEDSILSEKEATSSPESWTIPDIQTTS
NEDTDQPAIASTVSVEHKIITDLLSGPFQVTLSDNDQSLPVNQAANWMAEELKSLSSSDQ
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RVIGIDFSDLELIGNIPSEVGFYKQLQILDLSHNKIAGTIPEEIYELGDLQRVYLYQNKL
TGTISSRIGELNSLQYLHMSHNSLTGSIPTQLQSWSDVFRPLKYLNLNLDNNLSGTIPRN
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>comp10958_c0_seq1; 444 106 1344 LEN=1415; translated
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SKDPDTGRSMPYMMKVPGEGMPSRGNPFVKGDLYVAFHIEFPKSLDKDVVDKLRRELLPDA
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>comp10960_c0_seq1; 522 1 1580 LEN=2094; translated
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>comp10960_c0_seq2; 521 1 1860 LEN=2374; translated
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LTDSCVLSTVFFFSSFFPFSYNHAF CPRARFLLGSV VAGDPTKQLRMSVYVMMHVANDVE
TQKKGAVGIAMFHNVSIDDIQKRGKCHKKLSQA IPLRFS AIHMCLPNEIHSSSPSSASSA
TFNANILRLIKAMFVMSIGVNPRRYLRVHLGSTVECLYALQSF GILPEQIPVNTTTGAIK
NKQHLKWL ELLLQREVALREKKEFHKIECPSIHDVLFGRGWPIMKHGPNVFLRSTINAKL
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TRSMSNSSGSTNNNNLSSSPFAAARVGSANFTAAGDPSTSSTTSKRKDGADASSDDGSTP
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>comp10960_c0_seq3; 410 1 1580 LEN=2292; translated
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IPLRFS AIHMCLPNEIHSSSPSSASSATFNANILRLIKAMFVMSIGVNPRRYLRVHLGST
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DVLFRGWPIMKHGPNVFLRSTINAKLEEHTNEKFKRNKTKIAHSVSMVKDLNGGRFLK
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QQNNNSSTSAFLGMDGTTGTRQRCFGTEGFSITNGSDNELRSYYL
>comp10960_c0_seq4; 449 694 1860 LEN=2572; translated
MMHVANDVETQKKGAVGIAMFHNVSIDDIQKRGKCHKKLSQAIPLRFSAIHMCLPNEIHS
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VNTTTGAIKNKQHLKWLLELLQREVALREKKEFKIECPSIHDVLFGRGWPIMKHPGNVF
LRSTINAKLEEHTNEKFKRNKTKIAHSVSMVKDLNGGRFLKEDSGWWVEVTDEQAHQKV
SIAFRDARKTRSMSNSSGSTNNNNLSSSPFAARVGSANFTAAGDPSTSSTTSKRKDGAD
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GTRQRCFGTEGFSITNGSDNELRSYYL
>comp10961_c0_seq1; 2173 1 4530 LEN=4662; translated
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LGATSTNGLGPIREIAFWLMGIGGYALCVSTLQTTCCFEVVAYQGAQSMKKQWFYSLLRQD
SAFFDVHDVSGIATSINPAANRYRRGVGRKFGEGIQFFTTGVGGIVYALYAEWRVALVVL
SWTPVLAFFATGLVSNQGKSARASEAYSAGGVAYSTVSGIKTVLSLNAMEATMVRQYRE
ATEEAFLIATKPLIRQGFAGMMLGSFLIMYIILTLYGTFNIYKDVYDTGCDPSGGAPGN
ETCPSSENVFGAMLGIAFAGQGISQVGTLETFTTARVAAGEAIATINRKPPIPEQKIY
HVDEEKPDGGGADGNASVSSASSSRHSSYMIESPGRKAIKILPPYEIDAMSTEGTLPDP
EKVEGRLTFDEVKFSYPTRPDGLVTKGLSIDVPAGKTIAFVGPSSGGKSTVVKLLERFYD
PLEGSVQVDGIDIKDLNVKHLRSLIGYVQEPALFATTIAKNIAYGNMSASQEDIEEAAK
LANAHDFISQLPDGYDTHVGDKGSQLSGGQKQRIAIARVLVGDPKILLLDEATSALDSQS
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KLVDTQGKSAMMRRMSSVPSLNQFGKTESQIGFEKVPERFVMDAAPLIVFRNVSFAYPT
RPNKTIIDRFKLIKFKGETIGLCGISGGGKSTVMGLIERFYDPEEGSVEYFGQDVRKLN
KWYRDQIGYVQEPFLFDGTAENIAFGAPGATREEIVEAAKQANAYDFISKFPPEFDTP
LSGGSGTQLSGGQKQRIAIARALVKKPEILLLDEATSALDNESERVVQEAALDKLMESNER
TCIVIAHRLSTIRNADRIAFIGDGRVKEIGSHDELMEKPKGRYKRLVESQERGASTLGLP
MESMSKSNKKKGRGKDLGDDDEGEGEGQIEEEELSAFDLKRARQLASPDKMYLLVGAFGA
LMAGSIFPAWGLIFADTINLLYYPVFACTPELLGMVSLETCEDEYWEIEGDRLKEESFVLA
GYWTALVVVCLVGNVLTFWGFGYASERMSRRVRNDAFYALVRQEVSFDFDKRSVGTITSEL
QEDATRIQTFTGDPISLIIAVSSIVTGLVLSFIYMWEFALAVACVPIMGLATSLEMKQ
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FREGALAGLSMFIQQWINALQIFFGGWLLDRFPEKYTLNDFLISNFAILFSLFGLGAAFQ
DISDRKETEKASRIFYLMRESSIDPLSEDKTLDTSVDRPKPKKQSKRLSTRKSSLK
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>comp10961_c0_seq2; 181 1 421 LEN=421; translated
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GVGLNTKLLFLFGTIGGLGNG
>comp10962_c0_seq1; 199 1 607 LEN=644; translated
XTDFLDYVEALKEEKIVRRSTDARAMRYASGXKKNYPEVVMMAAVSXSQDGIALNPASNE
MQNKRKIVMEAMNDGRTLQYTSGEFKNLDEVVTSAVSEDLALRYASRETKNNREVVME
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NRSSPPSNISSQPVAMCNTVVI
>comp10963_c0_seq1; 334 1 1352 LEN=1598; translated
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GFVGSSEVHCFAPDGMGGGTYKGSYAFSGSSPASLVINGDIWEGA EVTASNLWFGQ
GGVLVSFQTDLSAVPCIVTGLDWQVIEDNPVSVRFDCPNQNAIPGISYEVNQFILSNTGY
VWFTSILEPVGTVARSEQTIRRDYHGVFLWERETNRIVMYSGEQAGEDKMALNGTLDPTT
GELYIDGFSQATNKPLATTATSGFLSSLPFLESYPIPVLLGQONAGNETKSTDNANPSS
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>comp10964_c0_seq1; 212 114 1028 LEN=1316; translated
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IKEILRKYNIKSMVDIPCGDVNWFDSFETDSLFPYVGLDVTSAVIEVNKKRFAHKKNE
FYFDASHCAVPRFLNGTSGEEETFDLVHVRDVIQHMLDLGVKYFCNVFKSGAKFLTTT
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QKKC

>comp10965_c0_seq1; 333 151 1584 LEN=1902; translated
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LTLNDELTELSGRRIFVREDREQASGRETGHNYPYSSSRAGGRYGNPRSRYPGGPAIHHGNH
QGVSSDPGSQSRRVYVGNLSWDVAWADLKD HMKQAGEVVRADV ICEHNGRSKGC GIVEFE
TEEGARNAIATLTHSELLGRTIFVREDREGSGSEAKGGQRPKRNGPGAFHQSSNKSVYVW
NLSYDVSQDLKDHMRRAGNVDQATILTGSDGSTSICGIVVYQSARDAARAIRELQESD
LKGRPVLREDK IAGRGPRPARGPRSGSDEPRAPPGVVTQLYVGNLSYD TTWRELKEHFL
QAGEVVRADV KASDSGRSKGFGIVRFASPEDAQNAIATLAGTELDGRPIEVRPDHRA

>comp10965_c0_seq2; 251 1 1549 LEN=1867; translated
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MKTLDHEVVRVDVLQTS DGRSKGCGIVEFATPEGAEEAVLTLNDELTELSGRRIFVREDREQ
ASGRETGHNYPYSSSRAGGRYGNPRSRYPGGPAIHHGNH QGVSSDPGSQSRRVYVGNLSW
DVAWADLKD HMKQAGEVVRADV ICEHNGRSKGC GIVEFE TE EGARNAIATLTHSELLGRT
IFVREDREGSGSEAKGGQRPKRNGPGAFHQSSNKSVYVW NLSYDVSQDLKDHMRRAGN
DQATILTGSDGSTSICGIVVYQSARDAARAIRELQESDLKGRPVLREDK IAGRGPRPA
RGPRSGSDEPRAPPGVVTQLYVGNLSYD TTWRELKEHFLQAGEVVRADV KASDSGRSKGF
GIVRFASPEDAQNAIATLAGTELDGRPIEVRPDHRA

>comp10966_c0_seq1; 120 602 829 LEN=1153; translated
MPPRLDRPGDFDSYAVRTQVSFKVSQDVDSEEFHVPVLP TGSGEAVSKTKGRRGGYRRY
PISGRSGILWGFSDV

>comp10967_c0_seq1; 230 701 1357 LEN=1780; translated
MTNRVGIERSSSSSTCSQKSIRTNSSKRIMIGNERSMNGGNGILG TKPTLLEVEPALRFL
IMDAPRQGNLHLYIREMRKHSVTDLVRVCEPTYQTGELQ NAGIATHNMEYPDGHSPPEEV
IDSWLKVVDFKAFYDGS AEHHERTRPCIAVHCVAGLGRAPVMVAIALIEFANMDPVDVAVTL
IRRHRRGAIN EKQLLYLEGYRRSYRSKNMAESGCCVIS

>comp10968_c0_seq1; 1311 110 4567 LEN=4695; translated
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GSTSNSTNPFEDAPSPRGAASISSGSRPIPRAI VFGSEEGSLHYRSYASPEEYGSSESSG
SKRNTASHTASFGGR TKSPSRPDRNPNAPRALGVTPSGRPPVNLPRS YLPVDLPAKSLP
GSVVDVIPAVIQNSHATHS INSSHSGRRNAYNSRQRPPQPPSFP LVLGLFLVLVDDNKG
SNKQGGAFVAALVTLQNGAFTKVNTTTTNNVASA IHPRFQLPSRVSCATYHKKCGYVVCG
GKRITTI PAWPIEAAA VSSSGKQQRQHASQSNRHSTTTVDFSGTVLPPP GARGGPSS
LIVTANGHLAVVAVGNAVYAVPGIEVETTS SGPASPTSASSTASAP ECAKVF CFGQSSQI
HPVILVDVQDRSVSENWSSLLVCNGREAA LVDVHLD SINHFASASPPRNNGSTATTTTAS
PILSAAASWPFC LLLTSDGLVSVRAASCLAISLKTVEVGTRPNDFFCLESFWGSGSNAGG
GRYYFHQS QNASMDPYSRNSISNTANPNFDDLDEGDSNHHPYT SFPWVLSLSYSGQAKLL
RCQADTMQDLADRLMRI SIDAFGANNF PRSQLAEALHASFTATS YAGPEPTAQSRLLLLKQ
YLESILGLAEFESGAAPGWPTIDVASNRRDGNKNKSMF GGGYSPFRQQNRNQYENELSE
SPFANEDAGAGSSTGKQKTEFSPSVTASTPNALLTSTAILCLVCMQLSPSPKGLANRAA
RECA SQMGVLLDDGNNGRISNAAIQVNEMVADRLKEAASNR SLLSGSSSATSGSSGMQ
RNSGYANANAQASLQMDFVEAATWLLRSCGKHERAIEVLRERLQQHRAPE SAKQPVGFWS
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QTADQDDPLAHPKHPSQVVRLLKSIKPSVAYPNYRTKLS SKDNSAYADAQDEIEIENDEG
SGILPLES GRALAVSFLSSVGI STRPEENEFDLLGKSMEYAQDVVSD FHDDELCFLLLE
GVI SERGDNSQQQDN PQSDSLSSNSSDGDVTS LGRIYRQKLRFLRWPQAKIRSERLLEA
LPRSFQEALV LGLGRHEEALKILYCNCKSMTLAL EYCDMLHGRRKTQIEKQARLAA
DSMLDDRANDELDEKRFQKENAYLPLVRVALES DDPDKKRG IASAIQILAMRRGDIERSAAL
RLLPNNLPVSAVARPFLIPALVDSESQVRR LKVVSSLLRAKHTALKQQLTDAQLKSQANL
YVVPQFRAMNIGEPLHSTKPFKARLSSASPTFPD VVIVKHFFPRHLIIQAKITNNSLAI
DGRALGNLAFVVAESSEDAIQPASIAAQVPIKVL PFHTTGSAWCVLTASPSRMEGTAILT
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>comp10969_c0_seq1; 468 246 1637 LEN=1968; translated
MTVSGNHDS DANELGAHFRGSGSLLLMARVLDVDRPI PDAFHDPISDSELCKKFDGLK
YENRTKRRRIFAGSLIADDSWHVIGTQALETYGI FHSITFIESNRTQSFQPRAVRFESNP
PSHDYKILNSGIYGPNTAIHIDNFVHETKEKRTMLREHMMRERILVKWKELGMTKEDLGI
IFDMDEIPSRDVLRAIQVCEAPNNNWR TDDKQTCRAPLARVFLSMYEGSPKCMFKAETKR
SELKAQFHRYSKASVVI GACIEGIGDGDKYKPLRSGKVSTGDIVGVREEGFGLHFDYKK

IPDGNHGHFFPRYNGADFRTLD SGLSISGGAGYHLHNFFESADTIRFKYRYYGHVHEHAY
SVPLGAMNADMSMLVKCVHGLPDEGNRKKRLKNPIEMATEAHEVPEAFRIEGYIDARHQE
LLDLVTADEEDYGRADNFDGNHLFKPHMITHPGKKKNTVLVPE

>comp10970_c0_seq1; 1154 1 2442 LEN=2923; translated
IINNGENDRMPSSLMLQAAQSAAEADGVVTQQVTSNGNHNTGINKTAKVKNNVNKTLNNGGT
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RLIQEFKAGLLPLTDGTTLRTFLSKLLNCDPMRISKKFVGSNCIGKQVFRRTADLNRLT
PEQIQKSRAELSELERRFLERVAQTNRVKNSSSVGGASNSNHQNSHMHHQHRHNQQMVA
GRNGVVNP SHHNAVVSAAISAAAAANAGPLRGMNMNRAGNAFRNGGSLGHAVAAAANPP
WMQPPIGYKQGLGEMARDNLAAGQANSRTAAAGRALLEGLNGGRGGSSNKGGNDLQPLS
ANPPSNSGMMAMAELQRRASMSRFGFHQSAQNILEALSAGSSHSLTQMARNASSGSFGGL
MKSGLSRDQLSRLLQGGSSSASLANMNLNENGRKNSFDQLMSLEFQSLQSIDNLANLVQTG
GGGSAGGHGAPSSGKIKNWSSTHASGGMNGSAGRLGSAASLAQRLASQNDFQSIMRGLSSS
NNMSRTGLNNEG DGYSGGNTNGNTSGSNPFGKSSTANLQSLFQSMNNGGSTSMSSLLGG
NNASAASLANLLRQDNSSTGLSALRNSDGLNGRNTTSVEDFLSLVTSGDIPHQDPAVLNL
PLSQLQQQQQLQKLQQQQQNDGNLNTNGRMNAGGNASGNNENENRQRNNINGGNNSSNN
GDNRSNRNNAAVNLLAQATGNPALANALTSRSFGSNLGSFADF SRNNLSSLGSTAELLQ
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>comp10970_c0_seq3; 1011 212 2641 LEN=3122; translated
MTEQRMPSLLMLQAAQSAAEADGVVTQQVTSNGNHNTGINKTAKVKNNVNKTLNNGGTTKNA
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EFKAGLLPLTDGTTLRTFLSKLLNCDPMRISKKFVGSNCIGKQVFRRTADLNRLTPEQI
QKSRAELSELERRFLERVAQTNRVKNSSSVGGASNSNHQNSHMHHQHRHNQQMVA GRNG
VVNP SHHNAVVSAAISAAAAANAGPLRGMNMNRAGNAFRNGGSLGHAVAAAANPPWMQP
PIGYKQGLGEMARDNLAAGQANSRTAAAGRALLEGLNGGRGGSSNKGGNDLQPLSANPP
SNSGMMAMAELQRRASMSRFGFHQSAQNILEALSAGSSHSLTQMARNASSGSFGGLMKSG
LSRDQLSRLLQGGSSSASLANMNLNENGRKNSFDQLMSLEFQSLQSIDNLANLVQTGGGGS
AGGHGAPSSGKIKNWSSTHASGGMNGSAGRLGSAASLAQRLASQNDFQSIMRGLSSSSNMS
RTGLNNEG DGYSGGNTNGNTSGSNPFGKSSTANLQSLFQSMNNGGSTSMSSLLGGNNAS
AASLANLLRQDNSSTGLSALRNSDGLNGRNTTSVEDFLSLVTSGDIPHQDPAVLNLPLSQ
LQQQQQLQKLQQQQQNDGNLNTNGRMNAGGNASGNNENENRQRNNINGGNNSSNNGDNR
SNRNNAAVNLLAQATGNPALANALTSRSFGSNLGSFADF SRNNLSSLGSTAELLQQLSD
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>comp10972_c0_seq1; 689 1 2179 LEN=2471; translated
XARADEEFEKEQKEEQVQQQIAADKFKRQDMALQKAILMARVEEELQKEQOKERIQQHGO
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TVAAITSALSISSSLNVQKCPVLVDLQKQLLYFAKQHKHQQNQSCPAQAMTPSSISSLPP
PVQLELYHRLLAQQQQGFTNATSKSSGARADLTSSVFGKVVR TLHGANNNSNI STNSNR
ESNSKSI SMNKNTLQAPTTSPTS NSTVAVETKGPDPK PSTVSARS MILSAVTA AKDYQ
FLNTPQVQQQQEQVMTRNLSQQEAERKSSFD CDASFHDSTS IILPCRARGMPMDHNAKSA
YFV I PKNIKHGTDL ICSHFGCRNAGVKFRYCSYCKLSAAKRNFSKRHRHSEKIVEVDVPK
EENS NCHT I SSSSDSNAMNTTHTICTTVKPTS NTEEKRFGLSPNPPKMKMALGETPL
SASSSSSSLASTSKSASASASATISTTVEAKIEASTAP ISSSTRPTSSLTTS PKRTMPF
SSNRKVERTNENDPHASENISGAEFRPITKRRRQAWKDLLSRPKSHQDNSQFMI EWIQ
DVLRVSDLENN SFGDPNPNPNPNPDMHRDEMPHGDKCSKKPKMGEVMHKNKQEERK
ANPNTPKPFSVEESNHSSVG I KDILPEDNSTSSEDSVDL RVRKKVCSIRKMARTESVLWQ
EPPCMD

>comp10973_c0_seq1; 239 294 926 LEN=1283; translated
MGAVARTSTRVKS SSSQDRSDECSDDTSSPSSSSSLPAEHTVTLHYEDSSCDILARSDETI
LSALERNQPYLES LGLPNSMIPSDCRRGNCLTCTGTHASASSQLASGS AVVCDGDGLSPH
ISRTIREKGYILTCSTRVVGEGLQLNLGQNHRVWKDIYQDRLVEEPTQTEKWAAMARAKR
QSDERNQVQWKKQTGELLSSAEGPENDGGG

>comp10973_c0_seq2; 239 294 926 LEN=1272; translated
MGAVARTSTRVKS SSSQDRSDECSDDTSSPSSSSSLPAEHTVTLHYEDSSCDILARSDETI
LSALERNQPYLES LGLPNSMIPSDCRRGNCLTCTGTHASASSQLASGS AVVCDGDGLSPH
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QSDERNQVQWKKQTGELLSSAEGPENDGGG

>comp10975_c0_seq1; 289 246 1166 LEN=1855; translated
MAESSRERSLREQSFVTTQSYLETRAADGILAAGGAAGSLTVLQLIQDYLLTNTETPTPI
VGPFLIASAIKFLNQSPPSLDAFYKDSIAGLLIGSSIHIFLWAENVDDGGAGTIVSGSY

ILYLILFFTILFWKLNTGSIWGSGLSLAYHVAFQSGFWGKNISVKGDFRTLIEDFPLWYI
LSPYLISHFFLYFCALGVSRIRQQVRIFIMRKLAFSSEKKRLRDDRGIIEELKKDKKELR
RLFDRMDTSGDGRDLAMELKLALRAAIGADLSLEDCEDFMIKSADSDGDGSDIDFEFFASV
DQILLL

>comp10976_c0_seq1; 281 202 1203 LEN=1297; translated
MAFRNHFFDDGRIPSWLKEHCLRLKDEGMNLRNLNLNIRRLNLPSILALSEALRDNKTIE
TVNLTTSLSNTQNDQDANRILMPFAYALRHHVSLKTVHLSYNQLTNATSLGTSLEMNQSS
LTELHLHDHNRLNNETAFALARALQRNDKLSVLQLNSNNLGDEGGEMIAKALRYNSTLKSL
GLARNSLESKTASALFETLDFYGNVSLVHLSLNDNPDFPLLSKATIMYLVRANRAGRYLL
RDNYTKSSDIDSYDTADVYGD SANGLRSVEGKVDLGCFGKHKNRDFVGIKRDRRGL
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>comp10977_c0_seq1; 269 955 1692 LEN=2137; translated
MSTTRAAAAATSRDVKQKLVNLLFRENYSRTGPEGHKRLDFSIIYSYEDLRKAYLKRLQVI
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SKSMMKARGDGVAAFTQFGVGCFSFSDTEEERILRQEITDQACRGWFSSGLVSSGLTTET
SGDENQHAENTKEISFTKQRKPLIDDAMFVSTESCGANDSSDASNRTDKTTYPRRFRRTL
IPGIN

>comp10978_c0_seq1; 258 134 1095 LEN=1280; translated
MARKSKQPGGHNPLTAHERKKYAKDVYGTTRARLGRDSQYSLGDCGLSLHPARDHPVASP
SGYIYERSAMLEYLLAKTRELKQRREEHDRALALRAEGSERREEQHRRDRVEDFERTQKV
ASAKRQKLEENVLKRYSYWLADMQPSKNDHDGDEANPTAPLPKRPPSPNTQRPLRRKDLI
ELCLLRKHSNKNKSDDGNNPRGDPVLCALISEKEITQQAALALVTRGSSGDEAHPAQVVL
ESVYRDLKIEDEKTPVCPVTGRKLRKVLKLRGGSSFASEDGRAVEAKQYXADDDIAPNK
PERGKRQMVFAVARKQRQN

>comp10979_c0_seq1; 431 3892 5383 LEN=5666; translated
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DENTLTVMFQRENDVEMKQPPGGRTPSGLRHSWRLWRLCCCRYGWYPLLVAPIVTVGCIF
SLYSTAGCDFIRVDVGFTPSNTGWNSSTLDLGLFLYQSGEEETNKYYAAFLDGCRLYTDD
FSEEFIEDDRTWVRAQIMGFVSAGGGVIATIFTWLFVVSPLPARFFWPVVVLPALVASFL
AEASKFLVYDTSMCRKNVWFPPGTESLPRTAECSLGATAIYGIASGIIYLVCLILVCLKA
PNKRDLPVNYGMDAENGLVHLPPQGSYYGSKRSGRPINSTEFEATDRDRYSYPNRVEPD
APELYVFEEDEVESGVTINSRKYDSDGFESSIMGKSNAQREINDEEDLLSQQRSQNNYVG
DGDSVGKLSMGKPPPTDVTIVRNRSGGKPVLSRSRLETVERMEKNANNSSETTAQMIDD
LLTDLKSFNDDSYKQ

>comp10979_c0_seq2; 282 126 1696 LEN=4659; translated
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ALENDTLRETMAVDSSPLERQRDLERLENGLLSLEQAIETATRQVRFLRFQWAQKVF
AMHRLQIDPDHIKLTPLQKRHQKTKPGQQLQRRARGIPKISGLPLPNAGPELYGFLPPRE
LQSALRIVATVTSTVARCLGIVLPHRVLLTFNTSDSSVGDIADTVTEDDLRERNAARSQK
PQTGYHQGEDTPRHDSYFSNYPNQVRGTSNSGGYRTPVASSSTASLYSMMDTSYFYKK
AKKALAKATGQRPTSTGSNSNARGRPGTATIERSFDAITVAQRLNHATAAILNDVDTTA
EAANNKNSASKFALSTKAMHQGDDFAIALQLLQNNVLTLCIRAGXPGFEAVASGSNAE
LARTRQILPATDDRTILRARDTIYHNSLDFYKEVQLDPIEFQK

>comp10980_c0_seq1; 674 446 2146 LEN=2221; translated
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SEENLSLMPRMPSSPEEAIEWRRDLERFLMSEHAKINDYEDIELRGLICESDPGLADAE
RLSALLNVKNHNGLEARRNKFLTISTLASKKIPTVRQKLCSTIDEAVEFATNEFSSLSA
TTVVVKPVRGCASDDVFLCNDLESVRSAYETVKGSTILGSPTEKHESVLVQEYAVGQYEA
IDTVTKNGKLIKIAAVWKYDKRPQPPTIERTHVLGDLDITNEETNEGDEIGEKRRQVYYAT
MIYDDDDDESSTETSDDLSSIYKYLDECLNALDIRWGITHSSELIITPDGPRLIEVNCRQH
NMNFVPLTDNAIGYNLYDMLLAAYFGDDANEANGEDILKDAQIDWDLDPDYPSRRMNGA
MIHLVNDKRGLLKRLENEALYEIQSMQSVLDLEVFPEFLQPGLSVIEPTVDIKTDAGWIQ
MIHPDREIFERDYQRIMELMPTLFEV

>comp10981_c0_seq1; 413 96 1346 LEN=1405; translated
MPEGQATTKIRQSIDQSSLAKWMVANDELKSVLAFHPAVSYFSDEDALCEAMEIRQFGFG
QSNPTYLLQIGRSDKDAPSAAPFRAVLRKPSVAHPSAHALHREFQVLRGLQKHNQKKT
KDEHVPVPHYPAYCKEKSVIGAEFYLMFVPGRIYTDSSMPGMTNTERKRAFESVVTVMA
NLHGVDVRSVGLGSYGKGGKYVQRQLDRLKAVSRRQAELSGTPAPEIERLARQLGEFAAG

CPNRI SLLHGDFKIDNLV FHPTEPRVIAVL DWELSTVGD SLCDLANLCV MYLMPQSKKAA
ISGVAGLDRSLAIPTRKELLGMYSRHRIQTDRTTTISLEEVQKWSGFYLA FVTFKNAVI
VQGV AQRAKAGVASSARANEVAKALPLICMMAQSILDTEVRPLLTGEKNDRVISSL
>comp10981_c0_seq2; 362 96 1210 LEN=1510; translated
MPEGQATTKIRQSIDQSSLA KWMVANDELKSVLAFHPAVSYFSDEDALCEAMEIRQFGFG
QSNPTYLLQIGRSDKDAPSAAPFRAVLRKRPSSVAHPSAHALHREFQVLRGLQKHNNQKT
KDEHVPVPHPYAYCKEKS VIGAEFYLMFVPGRIYTDSSMPGMTNTERKRAFESVVTVMA
NLHGVDVRSVGLGSYGGKGYVQRQLDRLKAVSRRQAELSGTPAPEIERLARQLGEFAAG
CPNRI SLLHGDFKIDNLV FHPTEPRVIAVL DWELSTVGD SLCDLANLCV MYLMPQSKKAA
ISGVAGLDRSLAIPXKGT PWDVLTAPNTNRQNHNDIPRGSPKVERILPGICYVQERGD
RSGMYLDHSTF
>comp10982_c0_seq1; 214 97 576 LEN=946; translated
MMKII SFLLLLVGASAFAPAGSFTGSPVCLSERASAPSTQLSMISHRKGFKKLGKPADQR
KALLRALTTETIRHGRIKTTLVRARAVRKHVDHMIELGKRGD LHARRQAMGWYDKQLVH
SLFEAAPDRYADRNGGYCRVLR TVARQGDNAKMAIIELV
>comp10985_c0_seq1; 789 121 2397 LEN=2564; translated
MNSIAADPPNIGVIGCGPAGMFFLRQLEKERERLLDLKKKIAESEPV RKGEGSDNGYEYD
ADTIDQRLFSLPIVTVFEKEGRCGLWQSKLSSPETNGEESGVAWSQTKGASRKKTNAN
GIYDGMWINAPKEIFEFEDYTFDEHFGKPMPSFLTRSQVLGYLEGATDDVIDMYTNINST
IRKSLDDNSSALGTILFNTEVSWIEYSKTDEYFWVETVPTGSIPNASTQEYDPKIVTGHE
FDKII FATGTENLPNMPQREVRLLTGADADNGAAIFDKPILHSSEVKSLGADITGKRFLF
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RLRMGRMDLPSPIVEDIAKRFYNASHDDFVLEGIDAVIFCTGYTINENMLPNLRGYKTY
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YQIEGAHNHLLINNP GFFYHHAEFETPLLDLDIHSAYILKVILGDI PSPDTMEEMFRQRS
LETAEAIRHSQVRFVLYDPVYHEATILKSYEGKLNERSYPSAYQFFKLF SKARRAGHPAG
NMIVEKNANATTMKG GTTDAIPSCYDLRAIKFTEDDYHQNDSDSNQRAASSPSTAATTWV
FSERGLVFLKQFLDSMEAHWEMQPGTNMTFRDFRFD SYQSVYTGKPRRF SKLWLEVDDL
VGDEGDFHRTTSTGNKGRIRRNHDCPTCDTDARSEL
>comp10986_c0_seq1; 443 31 693 LEN=932; translated
MKFSVAALVSLMAYSASAVDLTEDNYDSLTDGKIVFIKHFAPWCGHCKAMKPDWDKLMEE
FKDDETKLIADIDCTSDK GKPLCDAHGKGFPTLMYGDASDLQDYQGQRSYDALKTFAET
ELKPMCGPNNLDL CDDKKA EIKEFFDMSDADLQAKIAVEENKIEVAEAKMKSEIEKLQN
QYQILVAQNDAVA AAVKADGLGLMKS VQKIKAKTAGSDEL
>comp10987_c0_seq1; 192 1 693 LEN=1490; translated
TAMKQKEMEQQNTDQPTLKLYYFPIKKGGEAIRL ICAYSGLKLEDYRFSSRDEFTAMKES
SKLPFGQVPMLEIDGKHAMVQSGS IMRYLGKLSGLYPMTDHVLAQTIDSIMDQAADVFLG
STVLT YGLRFGVDLTPEATAKSYEHFNQTVLPGHLKRVERFFDTSTTGWIAGTEEPSPAD
FVWYCSLINMAAKKEISEANKSLSEFPKLFKAFIEKFESLDAIKQYYNGKE
>comp10988_c0_seq1; 652 224 1561 LEN=1944; translated
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KLALDKVYVAHHPNDVKYMP LFKHGKRVT DQSRQLFRRAVTRKRILRDINKVTRVNWIGS
DQYERLPKDEWTIQDEERVFGGSVSR SNKEKTGSVTKTEDSRFAMASNHEELLRAAAEAE
SDLLQDDHTAKPGTSGSAEPEKGVTEKNDSSSSDDSSDSEDEEVNPLSNTAKTSRNES
AAQQKAKEENSSSSSDSDSDSDSDDETKTSSSKADTSKRKSASGSSTSDSDSSSDSDS
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>comp10988_c0_seq2; 652 224 1561 LEN=2041; translated
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KLALDKVYVAHHPNDVKYMP LFKHGKRVT DQSRQLFRRAVTRKRILRDINKVTRVNWIGS
DQYERLPKDEWTIQDEERVFGGSVSR SNKEKTGSVTKTEDSRFAMASNHEELLRAAAEAE
SDLLQDDHTAKPGTSGSAEPEKGVTEKNDSSSSDDSSDSEDEEVNPLSNTAKTSRNES
AAQQKAKEENSSSSSDSDSDSDSDDETKTSSSKADTSKRKSASGSSTSDSDSSSDSDS
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GDKSKGFDTQSQRPGEYRKKRIRRY
>comp10989_c0_seq1; 115 1 1363 LEN=1731; translated
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LFIMSFRFLNPRLVDEFDPYREDGVCYHGATLDDPDVLCRDIPP NRRLRFLGWYITPERH

FLEWVVFVVTGAFLLILLGPKIGLSPSKPTSSGTNTHSLQLAPRFWMKASSLLFYYPVSY
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AHSSAMA VARYWLLLEIWL SFLPI LGSDLLLGLFAEAMESIAKAVRTFGATI WGTSTAKD
GENATICYFFHGLYLVLAPV FVAVGELTMHPAVENGRNNDQCDAISSIPTFRTRGRDAC
VVLWKLAVECALRQAVGTAIATLYYMGV VTPASIVAGLNVN FLLYDFGETPSFRIYYVLG
WFRDGLVRFGLGTMEMAVRSATAWLLGTQTKSE
>comp10989_c0_seq2; 153 920 1672 LEN=2040; translated
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VDELTMHPAVENGRNNDQCDAISSIPTFRTRGRDACVVLWKLAVECALRQAVGTAIATLY
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WLLGTQTKSE
>comp10989_c0_seq3; 153 624 1376 LEN=1744; translated
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VDELTMHPAVENGRNNDQCDAISSIPTFRTRGRDACVVLWKLAVECALRQAVGTAIATLY
YMGV VTPASIVAGLNVN FLLYDFGETPSFRIYYVLGWFRDGLVRFGLGTMEMAVRSATA
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>comp10990_c0_seq1; 121 1654 1823 LEN=1823; translated
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>comp10990_c0_seq2; 121 1791 1960 LEN=1960; translated
MFLEDNSRVARILEPLAPTKMGKKAKASKKYGKKSEKKEKSTKGSKKLKDTHFP SAA
>comp10991_c0_seq1; 398 85 1029 LEN=1224; translated
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NSNMR SVWRTTDDSI IGGYSSAKMQLVRTSEDLKRI INGQESIPPHLWDQNRTTDQKSNE
IKNDSIDGIQHDNGERGDGREHCDTENDFLPFVVRWKG TIDTRVNKEKKVHRSGFCSILSP
EFPMAGVDLDGRYNGLEIMCRSDGRPYSLNLKVESFIEDDLFQC FINIPPTNTPGSKVCQ
ATGGKFDQV VFLFQHFAATAGGRLRARQRKLDNAVKI QSIGITLMDGV DGFDFDL SRIR
AVNYDENG VIG EAD
>comp10992_c0_seq1; 884 109 2513 LEN=2513; translated
MENTEKRDDNEIPP KLADDTASVPKICRSISECRFISR FWAHCDRDWAVKGD DDTGGSD
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VVMFQAKANESIAVVLSSFP SYANYGTDGTGN DTGKEE EEEEEQEE EEPTEEKE
KEEPKDEQCKEESKEEQKEEIGMTDNVPAQNSDAQ TIAETANGDSNTSTRYEIVLGTNK
NTATTIRRSV FVDKGDKEPRSSKTKSKFSAAVTI PSRVCRGFGVNTKTS DDEDG GNNACW
TSYWICLSNSNVYVGMGCI PGKQCFGIMEAQKQGENPAAAGTLLPVRYVGI GNDTRHNG
DSTEIRNLVVTNVP PCL ESALKEVPPQDELPIVCLPPVACDSSSMDIDEDTETLELKR YM
EQYKA ECLVRKRAQKYGTQYKEQPMKDFLPWTMAKRL LLSKQOETPATGSNPSDFVAGD
IDFLDPKEVSKREARLARFATGATAESKTDGGDKAASRTTQNR PVPVTDGLPVEQAW DKE
TMLRPVRRDPPP YLWKECPSNAETIETFKNPANPFAMYDETTKAATWVEDKIHVSAIDWA
AFKQIGNDDLKHFGE SYGPVKYIEWLGDVNCNI CYGSKHSAARALVCLANEVPSPPP SR
TPTDEST EASKNNKDATSPATASSTVIDLGCMTWRF GKKP IRKLSNDRRGRKGT TARYL
LRMATTEDILVERPNSWPEPPGGFSSDRVLGPKSDFANPKRGRDRPKKQPNPQKQYQAAQ
QQNRRGSSSKTKRKRQRGNNGX
>comp10993_c0_seq1; 207 256 894 LEN=1117; translated
MSLFNNPKRRQRQEASQVEADHDIAITSKAFGR TMRSRASAEARAIHLGDCSFS SLSMRT
IDTCADRSSRRDISAELWSSIDWSAQGGDGV TIDTSNQKNEVWHSSACNLSKTLQTVTYD
SSLGGNDETSTTHSATTIATTNDRNSTASEMTLEELLQTFLT SDDICNDNDNNASAHSL
ELQNRIRKTYFLD GILLSDNTAVKSEEMGIDK
>comp10994_c0_seq1; 970 218 4254 LEN=4509; translated
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IQIDEAIDDEEEQESLLQHRDERQPRVRKREWEQRSHRSIDFAGRTTNGGGRREKQKSSS
GAYNNNSGSIDSSSSTKPSKAKQSTGTGEPSSGTD CDLEHCCLAEGACLGNAARGETN
DDVGDERT EELPVASTTAPGVASSFKNADACIQQIRSAKSRPDPTDDCEATAGTQYSQQQ
LDTIRELGP I RDKNADQKDRHTFMVKRLYVVVAVACL LLLITTI IAVTVAVKRKKANRADL
SPSARRSQMKESMVSELNKDSDFETEGSAQN LALDWMANDDPAALPATPVTTTELTERFAA
ATLYFATGGPQEWIDSFGLSGASICEWNSSGDNTLARI GIFCGESGAVREVKLGXDRKL
KSIFYNISGSVSDPFQLSLFRYLYPKTTNHGKQYXAAENNNLSGSM PKELNYFSELVTLN
LYFNKLRGTIPDISGLAALEQIDVDGNELTGTVPESIFNMPNIVNLYLLNKNLGTIPE
IKESSKLEAISLFGCSFVGSIPQSLTSASALRLLQLKDNSIEGTIPSGLFS LPLETLGL

DGNRFVGS IPTIQATGEGSALKSLSVGSNSFEGSLPDSIKELTSLQYLYADDNMLTGSIP
RSIFELPSLEQLWLHDNKLSGDISNLSFGSNSVSDVYLGNNLSGNLQVMFATAPSSIQ
RLDVS GNTLFGQYISDDIGKFDLSKYFNASACSLVGTIPSNALTKLTEVGI FSVSNNRLE
GVIPSTLGSMTSLKNLELSNNFFEGEIPSELANLGSLSFDISGNRNLGGDASSTICQAG
DLVFAASDCAGNEPVRIKXLLYRLLQSKWPMQSKESVKDEEPRKWLSLEQRLKNILLPF
VVHYYYYTHHTHTHTYAIGNGRSQSFATFTGRLNYLSSKQLGETAIRKRGAHNNDTTII
QRRFLQSSKQLSRHLWKQQQHQQRNHVSTNLGRRFRGVI SESRMSRARVYADVNVHRPR
DYWDYEALTVNWGDQEEYEVIRKIGRGKYSEVFEGVNVVNSTKCVIKILKPVKKKKIKRE
IKILQNMCGGTNIIQLLDVVRDPQSKTPSLIFEHVNTDFKILYPTLTDYDIRYYIFELL
KALDYCHSNGVMHRDVKPHNVMIDHEKRQLRLIDWGLAEFYHPGREYNVRVASRYFKGPE
LLVDLQYDYSLDMWSLGCMFAGMIFRKEPFFHGHNDYDQLVKIAKVLGTEELFHYLDTY
DLELDPHFDGILGRHSKKSQKFWVTPENRHLVSDEAIDYVSKLLRYDHQERLSAKEAMAH
AYFAPVREAAMRGGNQSSSSGGYAV

>comp10994_c0_seq2; 1038 218 4127 LEN=4382; translated
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IQIDEAIDDEEEQESLLQHRDERQPRVRKREWEQRSHRSIDFAGRTTNGGGRREKQKSSS
GAYNNNSGSIDSSSSTKPSKAKQSTGTGEPSSGTDCDLEHCCLAEGACLGNAARGETN
DDVGDERTEELPVASTTAPGVASSFKNADACIQQIRSAKSRPDPTDDCEATAGTQYSQQQ
LDTIRELGPIRDKNADQKDRHTFMVKRLYVVVAVACLITTI IAVTVAVKRKKANRADL
SPSARRSQMKESMVSELNKDSDFETEGSAQNALDWMANDDPAALPATPVTTTELTERFAA
ATLYFATGGPQEWIDSFGLSGASICEWNSSGDNTLARIGIFCGESGAVREVKLENNNLS
GMPKELNYFSELVTLNLYFNKLRGTIPDISGLAALEQIDVDGNELTGTVPESIFNMPNI
VNLYLLNNKNLTGTIPEIKESKLEAISLFGCSFVGSIPQSLTSASALRLLQLKDNSIEG
TIPSGLSLPLETLGLDGNRFVGS IPTIQATGEGSALKSLSVGSNSFEGSLPDSIKELT
SLQYLYADDNMLTGSIPRSIFELPSLEQLWLHDNKLSGDISNLSFGSNSVSDVYLGNN
LSGNLQVMFATAPSSIQRLDVS GNTLFGQYISDDIGKFDLSKYFNASACSLVGTIPSNAL
TKLTEVGI FSVSNNRLEGVIPSTLGSMTSLKNLELSNNFFEGEIPSELANLGSLSFDIS
GNRNLGGDASSTICQAGDLVFAASDCAGNEPVRIKXLLYRLLQSKWPMQSKESVKDEE
RKWLSLEQRLKNILLPFVVHYYYYTHHTHTHTYAIGNGRSQSFATFTGRLNYLSSKQLGET
AIRKRGAHNNDTTII IQRRFLQSSKQLSRHLWKQQQHQQRNHVSTNLGRRFRGVI SES
RMSRARVYADVNVHRPRDYWDYEALTVNWGDQEEYEVIRKIGRGKYSEVFEGVNVVNSTK
CVIKILKPVKKKKIKREIKILQNMCGGTNIIQLLDVVRDPQSKTPSLIFEHVNTDFKIL
YPTLTDYDIRYYIFELLKALDYCHSNGVMHRDVKPHNVMIDHEKRQLRLIDWGLAEFYHP
GREYNVRVASRYFKGPELLVDLQYDYSLDMWSLGCMFAGMIFRKEPFFHGHNDYDQLVK
IAKVLGTEELFHYLDTYDLELDPHFDGILGRHSKKSQKFWVTPENRHLVSDEAIDYVSKL
LRYDHQERLSAKEAMAHAYFAPVREAAMRGGNQSSSSGGYAV

>comp10994_c0_seq3; 384 218 1477 LEN=1907; translated
MPSWLKGVAKRGKRYGRTEEEERRDVNDPFSDFEFNNDGNSNLIRSSSITESYHDGIAPVV
IQIDEAIDDEEEQESLLQHRDERQPRVRKREWEQRSHRSIDFAGRTTNGGGRREKQKSSS
GAYNNNSGSIDSSSSTKPSKAKQSTGTGEPSSGTDCDLEHCCLAEGACLGNAARGETN
DDVGDERTEELPVASTTAPGVASSFKNADACIQQIRSAKSRPDPTDDCEATAGTQYSQQQ
LDTIRELGPIRDKNADQKDRHTFMVKRLYVVVAVACLITTI IAVTVAVKRKKANRADL
SPSARRSQMKESMVSELNKDSDFETEGSAQNALDWMANDDPAALPATPVTTTELTERFAA
ATLYFATGGPQEWIDSFGLSGASICEWNSSGDNTLARIGIFCGESGAVREVKLGKIEN

>comp10994_c0_seq4; 293 1 1031 LEN=1286; translated
XLLFSISVYADVNVHRPRDYWDYEALTVNWGDQEEYEVIRKIGRGKYSEVFEGVNVVNST
KCVIKILKPVKKKKIKREIKILQNMCGGTNIIQLLDVVRDPQSKTPSLIFEHVNTDFKI
LYPTLTDYDIRYYIFELLKALDYCHSNGVMHRDVKPHNVMIDHEKRQLRLIDWGLAEFYH
PGREYNVRVASRYFKGPELLVDLQYDYSLDMWSLGCMFAGMIFRKEPFFHGHNDYDQLV
KIAKVLGTEELFHYLDTYDLELDPHFDGILGRHSKKSQKFWVTPENRHLVSDEAIDYVSK
LLRYDHQERLSAKEAMAHAYFAPVREAAMRGGNQSSSSGGYAV

>comp10994_c0_seq5; 472 218 1729 LEN=1780; translated
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IQIDEAIDDEEEQESLLQHRDERQPRVRKREWEQRSHRSIDFAGRTTNGGGRREKQKSSS
GAYNNNSGSIDSSSSTKPSKAKQSTGTGEPSSGTDCDLEHCCLAEGACLGNAARGETN
DDVGDERTEELPVASTTAPGVASSFKNADACIQQIRSAKSRPDPTDDCEATAGTQYSQQQ
LDTIRELGPIRDKNADQKDRHTFMVKRLYVVVAVACLITTI IAVTVAVKRKKANRADL
SPSARRSQMKESMVSELNKDSDFETEGSAQNALDWMANDDPAALPATPVTTTELTERFAA
ATLYFATGGPQEWIDSFGLSGASICEWNSSGDNTLARIGIFCGESGAVREVKLENNNLS
GMPKELNYFSELVTLNLYFNKLRGTIPDISGLAALEQIDVDGNELTGTVPESIFNMPNI

GELLFRSFENKYVMALRIQTICT

>comp10995_c0_seq1; 462 171 2086 LEN=2551; translated
MATTTTLDSKPATQSPDVPTQITASIRDLSSTMDGWFHTASDEECEVMTAKLLDYRFEG
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HGKSPDRIGESDRKCGRTILERAFLKNRLRNTAFDKQGILDQWATLREELVFRKFHAAV
TKDCKSNELEDHTRQONGGKRGRVRKASLPPGRAASGEKRWSSSDAGAELFFRKXEAN
ESDQVSGKVSGGGNDDNQNTSEEEVIDYPTTVQSYSDCARDHRLAEAAASVRESNIADSLF
DNWKFLLISTNHSLLLYGTGSKKNLLERFANDDLGDVIEINGFDPSLTVDGLLRLLIDHW
LGGEPTIRKNDFYVHHETSCEITDKSTAAARRMPFFPRRGDFRLLQTARAVAKRIAEV
TKTARPVTLIVHSM DAGGLGSLAQEALSVLVSQSRTGCGLNAVRLVASIDHVRGQIVVE
SLSRHGLHWLQMEVHTRPYVDEVVPELALSERQSSAKKRARVASSARSDRDLQHEGMSE
DEYLALEHESIFSVLKSLSSTHSESLRQLAWLHLESEQEWISYTDLLKRCR SERIVQADQ
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>comp10996_c0_seq1; 526 291 1175 LEN=1321; translated
MAMKLVAAAKVRRRAQDAVLATRPFSETLQSVFGGLIARLGGEAIDLPLLTQREVKKVTLT
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GQNPNAKEALAI SEELLNTFLAGETDAIELLYTKFVSLIASTPSVRTLVFPFSASDITQQG
DEVFQLTSESGDFSVERTELDVAEPQEFPNDMIFEQDPLQIVNSILPLYLNGQVLRTLQE
SVASELAARMQMSQASDNAGELASKLSLEYNRARQAAVTQEILEIVAGSAALE

>comp10998_c0_seq1; 437 77 931 LEN=1236; translated
MRF IGRGKIGTSFCLVGC FHPKSVASYVPSFAGAVNKDSI IKPFGQRRLSSTSSLP CSQM
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APFVKNDGFSWWTMPPGVRSFNAKEYTGFEESAKVLKVVWENGDFDLVIGHSQGAILVGA
LLALKRAPHYPPGGYIMNGVSFPNPYAKQLES LQQSDVDGGKGSNPNILFLLGRKDQIAP
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>comp10999_c0_seq1; 461 1 1270 LEN=1410; translated
XEQQGRTELLDQIRHSIVCQSSSSSSLSFFRIISPIMKYTFVNTLLLVL SLTSPSGAKER
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GRTEPSPECGEGISRHYELPCDDNVVSKTTDENSEDPISGRNPPSDSNCVTTDGTFGDISD
SAALLTVPLDYFYEMKVVAGTSQSTINDEILPPELKAIVDSILQEVY PDKCISTAVGKRH
LRENRSKRHLEVIGVSMYPPDYVTANTCEQMNSKNPPGDCYVVKGELTIFTQEEHVAEEQ
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SID

>comp11000_c0_seq1; 1244 487 3054 LEN=3261; translated
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VGNKDPMDVAERLRIMKDAIEAAYDEYQKLLADDSLPSQEPSNEADV LKIFAAP EFFF
GASGAYDF TDDPKRLDKIFGFNHTDPKSHENGSTDDGDDDEVCSGDS P VCAVLLGLQEMV
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NFAPVYKGFDPAWATFHKNKNGSNDGHHFALGKRFLVPKRYVSTSDFLTPKRVDVDWIDRGS
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NPRS YQH KRYDDDFEAYKVQLYESAGYVQVEYD WLVDGIAFTVEICLDHQLRRALDTF
QGD LVTGR TTRIPSTKQHSNGLGYAPIPTHQAQIGLVASAGMSPNAESLALTQNGILFLQ
DGLSNHTARAFVDTEQSQC GPQQGLQYEGGTAVRRR RALVSKTDVRF EYELLSGNGGPC
GGASKSSAGSGNGASEELACEHKIPVYGAVGQERHPGDSHPERDWKGNLRGIFSTEMYEP
HLVVYGPFDIPNTGR

>comp11001_c0_seq1; 261 1 777 LEN=990; translated
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EVSSPINDSKQSQR LREK FVPLSDPLLKRILRLVPSYYTIQKEEVLQPDACWVPTIACGV
LDHVINQRSNLGLVMADFDWLP PPDLDITTFDEEDDIFLLSKDKKKQIALKETLARGSP
IVTDMGRDHESYLSAPSHCDILFP TDFQKLASF AKRSLSLTEATAANTPRPSQVVRVEK
QSQFLERVGF GHVSKTRSW

>comp11001_c0_seq2; 381 1 1399 LEN=1612; translated
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VVGRSLELESARANNNGQLLSSLMGEWHWRVFKIYEERE GHWLT PVELFQPHYSYIL
GDFCAHFYERMEKNKSTISRNSRNDRHPNLNIETKFEIVELGGGRGTNAKWILSYLQENK

PDVYSALISYTLVDSSRSLHQTQKEQLTEGPHAEKVRFELKDLSDVAEGTIPLLSKSTVP
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LVPSYYTIQKEEVLQPDACWVPTIACGVLDHVINQRSNLGLVMADFDWLPPPDLITTNF
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SFAKRSLSLTEATAANTPRPSQVVRVEKQSQFLERVGFVGHVSKTRSW
>comp11001_c0_seq3; 142 1 691 LEN=828; translated
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GDFCAHFYERMEKNKSTISRNSRNDRHPLNIETKFEIVELGGGRGTNAKWILSYLQENK
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>comp11002_c0_seq1; 355 1296 2366 LEN=2657; translated
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ENYPVKDSHLGFEMPDTSPILTQEVTDHIEQTMSEIVVVVEGIDPQLSGTFQAIQSYKYE
DLVFGADHERCTSVTPDNKIAVDMRKFHRVRYNHKNSGINKSTNSIRFIDDERSKQRRNL
SPSPFSSETDSNGDPLAIPFESSTYSYEESSMSPSTSFQORSVHAMLAAANGYPHRHYP
LAVNGTVGENSGGKTQSQNNKTLTEEDGVIPVQLNGGPEGYIPESAIEDDAMNV
>comp11002_c0_seq2; 545 255 2147 LEN=2438; translated
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KKEQRSSEHQNNNVTSQGTQVFLPRMILRNKPYCQSNQCQVINDNLHGGPRYSYSSTGL
YRLLLLSDWFHVLRLIPMQYSILMLLAAWLGSILVFALVYRKIDTIYENSDCGLGEPPEHI
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GDRPEVICPVCGEAFGTYERLEAHVRYERMVERQENYPVKDSHLGFEMPDTSPILTQEV
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KFRVRYNHKNSGINKSTNSIRFIDDERSKQRRNLSPSPFSSETDSNGDPLAIPFESSTYS
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>comp11003_c0_seq1; 73 1 1009 LEN=1332; translated
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APLLNFRAIVDEPDHLRIQKQGTQGLLDESEDGGCNVQVRTQAKLLLLVEVTAPFDDAPA
MRVLFETEDGEVHEYPLRLPIVATCFMEPVTLPEGAFMQRWRSLDGEDRECQEVVKTAA
APDIDEEYMKRIANIITNGLKFGRCQGCPTPWTVSGAATFRTGSKDSNGNINVGCLVR
VEANPQAKAFRVTTRTLHPLCSKAVKNVALVSIKLA
>comp11003_c0_seq2; 911 86 3037 LEN=3360; translated
MATQARGLQNFITDLRNASKEQEQRVDKELANIRKKFTATGKNLGEDGSNTALNSYSR
KKYVWKLVIHVLYGVDVDFGHAEVLALVRSNKYAEKHVGYTALSLLLLRSDDPMMNSILNT
IRRDMTPGPNASAKNAPTDTAQALALCSIANINGLELIQTLHSEVQHTLTAKSSSTPCV
KKKAALCLLRLVRTSPKLVGTGREFAPHMAQLLQDKHLGVLTSASLLYGLASQNPQDYQS
LIPYAVHILGMLVLKACAREYLYRTPSPWLQIKLLKFLQLYPQAISSGQKNGGDQHI
QQLVSVVSKILTETDVSDSINKSNADHAILFEAVNLIWTVGPGSPSQLREGAMKLLGKFI
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AIWHRVQIVTNHPQGDQLQAYTAATLLVGASPRRCHETTVRVAAYVLGEFGFLVAERP
GM SGEQFRILHQHWATSDAKTRGILISTYAKLANLYEECRPLVAPVVFARCKNSVDVEIQQR
SAEYAAAMREAFSPEAVEDLLREMPPEFEDKKQSALEQRLKEKEGEDSAAVAKAIRPSAAQR
QRQAQSQAARAAEEVAAQAAEQNAMNDPISPI SDGLGSPEPEVQQERRIVGIPKDVIP
AMRKAFSNLCTSGSGVLFENSLQVGVKHEYVGAQGRISVFFGNLSKAPLLNFRAIVDEP
DHLRIQKQGTQGLLDESEDGGCNVQVRTQAKLLLLVEVTAPFDDAPAMRVLFETEDGEV
HEYPLRLPIVATCFMEPVTLPEGAFMQRWRSLDGEDRECQEVVKTAAAPDIDEEYMKRI
ANIITNGLKFGRCQGCPTPWTVSGAATFRTGSKDSNGNINVGCLVRVEANPQAKAFRV
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>comp11004_c0_seq1; 352 1 1279 LEN=1317; translated
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QTKHEIMLARGLVGTQIIVAVNKL DVEGWKEERYQEIQNKVKDFLLKQEFKPKRIKFPVI
SGLAGENVKARKSPELSKWKYKPTLLEAVNDFFPANRHIEKPLRFIVTDVFAEGKGI VTR
GRVIQGFVEVGD SLVVLVPGDIVKVS KLEHLQPPSDGSDDPRLSVATAGDTVQLVVTDI

DIMRLSTGNILCFPNARPPPLTRKARARIVVMDDL SVPIIRGAQVIFHMHSLDVPTVLT KL
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VIDETL

>comp11004_c0_seq3; 343 1 1095 LEN=1133; translated
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KEHIMLARG LGVTQIIVAVNKL DVEGWKEERYQEIQNKVKDFLLKQEFKPKRIKFVPI SG
LAGENVKARKSPELSKWKYKGP TLEAVNDFFPANRHIEKPLRFIVTDVFAEGKGIVTRGR
VIQGFVEVGD SLVVL PVGDIVK VSKLEHLQPPSDGSDDPRLSVATAGDTVQLVVTDIDI
MRLSTGNILCFPNARPPPLTRKARARIVVMDDL SVPIIRGAQVIFHMHSLDVPTVLT KLVA
VLKRDG SVKKERPRALTRGVSASVELNVSDKIVMEAFSECRSLGRFVLRGGETIAIGVI
DETL

>comp11005_c0_seq1; 332 157 921 LEN=1104; translated
MVSAQQQSLAAVLLSALVLAQCVSPSASFASATAFSRTPSPLLATAEKEAATGTDDLLKP
PYEIEPIPLRIGHGFDIHRMAPLEEAGQPVVIGGVEIIPHKDQKWTDAEGKYVEKGGIYET
QLGVVAHSDGDVIYHSVVD AIFGALTLPDIGQVFQDTPR WKGCDSSKFMEHAFEVMDGY
GYQIGNIDVTLILERP KVASFKPGMKDNIVRL LKTTTPGRVNIKARTHERVDSV GELRSL
CHVCLTLERVPEKE

>comp11006_c0_seq1; 157 125 346 LEN=787; translated
MIEVLLNDR LGKKVRVKCNEDDTIGDLK LAAAQLGTRPEK LKIQKWYTVYKDHISLEDY
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>comp11007_c0_seq1; 427 101 1845 LEN=2037; translated
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RIGTGKESDIYLAVRPNGDQIVLKFHRLGRTSFRNVKTRDYFVYHQGRNIGAPKTNQA
NSWLFLSRKSALKEFAFMKALYNVEYPTPEPIAHNRHV VAMTLIRGVPLYQIIRTKLSAE
QAASIFHQASELALRLAKHGLVHCDLNEFNLI VDVSGIQQKSLSQEHDHYVRHSGMSVAA
ETNPGMLSARGPWE PDHLQKFQPDHQSDDRENDPAPQPTELLDN GEPKPIVTLIDFPQMV
STRHPNARELYERDTSCLLKF FTHKLQFQIPESDMENLFLSWDSVLEVLERQQSCSIELE
DIGEKASAYDSESVCLASKAQLRLDEELKASGYTDVNSGLETPHYYDKESKDISIEG
DNDSLSSDLVNADKVD DCGLSIGSEGDHVSISMNSTSLSVLYPPEELANLSRHQLQE QAR
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>comp11007_c0_seq2; 480 101 1750 LEN=1942; translated
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FRNVKTRDYFVYHQGRNIGAPKTNQANSWLFLSRKSALKEFAFMKALYNVEYPTPEPI
AHNRHV VAMTLIRGVPLYQIIRTKLSAEQAASIFHQASELALRLAKHGLVHCDLNEFNLI
VDVSGIQQKSLSQEHDHYVRHSGMSVAAETNPGMLSARGPWE PDHLQKFQPDHQSDDREN
DPAPQPTELLDN GEPKPIVTLIDFPQMVSTRHPNARELYERDTSCLLKF FTHKLQFQIPE
SDMENLFLSWDSVLEVLERQQSCSIELEDIGEKASAYDSESVCLASKAQLRLDEELKASG
YTDVNSGLETPHYYDKESKDISIEGDNDSLSSDLVNADKVD DCGLSIGSEGDHVSIS
MNSTSLSVLYPPEELANLSRHQLQE QARARVQLQLESQKKNRQRGAFRKRNSNKSYSK
KRVYSDNGF

>comp11008_c0_seq2; 242 210 956 LEN=1307; translated
MAAFENGNDPSRETAESQONPNNNRSPPTPTSRRRRRRKKKFAVSTRWEREVAQNGPVK
DFHRYWCCARRLGNMFVLCERTDGTPIVIAGPCWPFCTFVTLPLILAVSAAVAYFVIIS
DDSPLP I WVAIYIFPVVGFV LASFVSCQDPGLMERVTDEEAGNGGWFVNEQVGSFRPP
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RL EIEEEG

>comp11009_c0_seq1; 501 257 1817 LEN=1857; translated
MSKTI EYSKEKQQLFTKQIMDDFRDWFNSDNMDGTDEKDDANLPKLKNKLTRDFV SIGFP
AFIQLAAEPLAALVDTAYLGR LGPEVLGGAGVAISAQYAVSKLYNDPLLRTSISLVASTD
GQARGANNDDGSSLESKESENKKLSIAVSSALLLAF CVGTIQLVVYSVLAGSITRGMGL
SPSNPMWHS AVSYLRVRALGTPAATLWLVSN GIFRGLGDTTRTPLVYSFFFTALNAILDPL
FIFTFKFGASGAAAGTAIAQYTALIPLMMALNRKVKIDIFGQLSQLKSSLKAYIKAGSLV
LFRTLKGLVLA SVCARKAASLGAVAAAAYNLTFQLGFATTQICEAVAVAVQTL LAREIAD
NQTHSPRVKAKLVRHLINKSLLLGGVASTLSLTTFLQRDSILRGLTTNLAI REASTVIF
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>comp11010_c0_seq1; 498 355 1863 LEN=1965; translated
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HQHLNHYQTEQTHASPTMIQSLPRSNPIAIKRNPBGDNKETYDSDIDDDSDIDVEGDAI
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DDMYLGPEPESTVMGSLRDSHQRRRFMDGPASYRERHSGKICHLDHRLRFHKGQPELNIG
ERLQQSLLRKKKEESRKLGRGTTMGGEQERKPVASSLTAMMRDAPQSVNTVSLGGADAKE
GYSSSIGHESLVPPIRKENDHIASTLRKEPPAWNMLSTSLTAFELLKTSNAETISRSSNNF
TDQSSSVERATESNHQQTAESRYEGGFQPLARSMDPSPCFQSLSLSDNTSSRRVIPNLQ
TDGFETGMGQAIHQPSRAAEDFVAQFRTELKNYPFVGGYGNERTLSLESQRQVNI FNDT
SGHRSPQDHPNTEGAFGLDM
>comp11011_c0_seq1; 103 1 188 LEN=581; minus strand; translated
XPYKQNNAIIVLDDAYDHEVWNETAENRVVLLVDIWHPDVTQAEKEAVVEMFQKAKRDGLW
KR
>comp11011_c0_seq2; 460 1 2132 LEN=2604; translated
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EYSNSIIAEVMDMIMILEKGIKXDKESILSTSLSNYHRENDPIKKKQKATEQNKSMVASSH
PKVAARDSRAIQRRKIDVRESKDKCPSFDGNASEDDYAIHIPQRITLGKGSNPVLMHIFV
VGFLVFLNLSIKAGSFWGNIKLSEEEKNNRRLVSPVKRLQQNIERKKNSTVAKLKEFFT
LEGELRRDIGDCGLYLGGSSIPNSGWGMFAGRDYLOGETIRMEYGYFFSPRSTYHDNVP
SEGDAARFESKPIKIPPLSFLKPHSVLSNVRWDSISSQEKLSSLTATRDIKLGEEFL
LSWDDHPYRPSRSDSKSGESAAEEFDYVFAKRLPSLEDFLQADILIRDAQTQYFGVRNAE
ETNNKKKPYRSSNARWNKIKNKSGRKTSLYKSESEELINNGLQLWQKTVSHYAPLVAR
LLPTKAQVLLATYHQKSDGQSPYSSLLGSLKNHSMFTITNAQCMSSPQWQSTLGTGVGATH
SEEVEQSCASSASCTSTYKQTVAKNGFAKGGVTVVPLLVPYPLQAGENNCLALSLSL
PPSLQVSIPLNGVAEYSNDQSLANVEYRWSNSTLQSIPLMKSWLTKSPLPSFISLSLE
EKELQRRLLLEEYPLSMSWDLVALRDLEQNEEIVVYQPDSIPFVSELDP
>comp11011_c0_seq3; 447 1 2096 LEN=2129; translated
XRLQILSNHEWKEIMLLLYWEPGVTKRSNSTFIPEGLYESYFDTRNGRNKTMFDASTTSA
EYSNSIIAEVMDMIMILEKGIKXDKESILSTSLSNYHRENDPIKKKQKATEQNKSMVASSH
PKVAARDSRAIQRRKIDVRESKDKCPSFDGNASEDDYAIHIPQRITLGKGSNPVLMHIFV
VGFLVFLNLSIKAGSFWGNIKLSEEEKNNRRLVSPVKRLQQNIERKKNSTVAKLKEFFT
LEGELRRDIGDCGLYLGGSSIPNSGWGMFAGRDYLOGETIRMEYGYFFSPRSTYHDNVP
SEGDAARFESKPIKIPPLSFLKPHSVLSNVRWDSISSQEKLSSLTATRDIKLGEEFL
LSWDDHPYRPSRSDSKSGESAAEEFDYVFAKRLPSLEDFLQADILIRDAQTQYFGVRNAE
ETNNKKKPYRSSNARWNKIKNKSGRKTSLYKSESEELINNGLQLWQKTVSHYAPLVAR
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SEEVEQSCASSASCTSTYKQTVAKNGFAKGGVTVVPLLVPYPLQAGENNCLALSLSL
PPSLQVSIPLNGVAEYSNDQSLANVEYRWSNSTLQSIPLMKSWLTKSPLPSFISLSLE
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>comp11013_c0_seq1; 816 188 2224 LEN=2559; translated
MAKRQFISIPLLALIASINQCCEAFYLPGVNPQSFAEGDPVKLVNKMTSSKTLPIEY
RLPFCEPPGGAKMDNENLGEFLAGDRIESSPYILNMKTEMYCQQVCVSNLGVAEQKGMKK
NKVVRAIKKEYHNNWIVDNLASAASKVEDDTTITTRYWQGFVPGFIAEESHAFVHNHVNI
EIMYHPLDIMNGEKQKYRVVRFVTEPFSEIKHEFKGIDGLDDFSSNDDGNPQLQEWATIT
NPIASCDPSIPIKRPHTTYDMVTATGRKPQPASGQVLFYDVTWIQNDELHWASRWDIY
LSMDNAIPAKVHWSLIANSLVIVCVLSAMVAAILLRNLRQDLARYNRLATDEEKADLEE
KGWKL VHADIFRPPTYSPLLSVCCGTGAQLL CMAFWTIIFSAMGFLSPARRGALLMAEL
LFFVLMGSINGYVTARLYKTFKGKAWQNATLCTALGFPGLAFSLFFILDI IAWGYGSSDA
VPFATMLVLLVLFVFGISTPLVFGAYFGYKQDAIEYPVKTSNI PRQIPDQPFMSVPFTV
FVGGLLPFGACFVELYFILASVWMDY YYYVFGFLFLVFLILIIITCAEITLLFNFYQLCNE
DYHWWRSFGNAGSTAIWVFLYSFVYFQQLEANSFTTYVLYFGYMGLASLGLFLMTGFIG
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>comp11013_c0_seq2; 753 193 2088 LEN=2423; translated
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SNLGVAEQKGMKKNKVVRAIKKEYHNNWIVDNLASAASKVEDDTTITTRYWQGFVPGFIAE
ESHAFVHNHVNIEIMYHPLDIMNGEKQKYRVVRFVTEPFSEIKHEFKGIDGLDDFSSNDD
GNPQLQEWATITNPIASCDPSIPIKRPHTTYDMVTATGRKPQPASGQVLFYDVTWIQ
NDELHWASRWDIYLSMDNAIPAKVHWSLIANSLVIVCVLSAMVAAILLRNLRQDLARYN
LATDEEKADLEEKGWKL VHADIFRPPTYSPLLSVCCGTGAQLL CMAFWTIIFSAMGFL
SPARRGALLMAEL LFFVLMGSINGYVTARLYKTFKGKAWQNATLCTALGFPGLAFSLFFI
LDI IAWGYGSSDAVPFATMLVLLVLFVFGISTPLVFGAYFGYKQDAIEYPVKTSNI PRQI
PDQPFMSVPFTV FVGGLLPFGACFVELYFILASVWMDY YYYVFGFLFLVFLILIIITCAE

ITLLFNYPQLCNEDYHWWRSFGNAGSTAIWVFLYSFVYFQQLEANSFTTYVLYFGYMGL
ASLGLFLMTGFIGVMSSSLWFNKTIFGSLKVD
>comp11014_c0_seq1; 146 1 417 LEN=893; translated
CFPSSEGSNSLSGTIPTEFGFLTNLNLYKNSLTGSIPSELESLTNLSKIFVVDIQNN
HNLDPVPELHHKVMDCDLSEPNACKLVELDDLIRVSDRNRCTELIGKFEQNKKLMTID
NCDEMCRKCAICEDDDGD
>comp11014_c0_seq3; 149 1 527 LEN=1003; translated
XGTIPSSIGLLSELTKVDFDGNHLQGTIPTEIGKLESLTILDLRSNSLSGTIPTEFGFLT
NLEVLNLYKNSLTGSIPSELESLTNLSKIFVVDIQNNHNLDPVPELHHKVMDCDLSEPN
ACKLVELDDLIRVSDRNRCTELIGKFEQNKKLMTIDNCDEMCRKCAICEDDDGD
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MMNINTFNLRNDKHREDRISIESAVTFASMQREEIYDGDQLMDVFQPTNEQLTSDFDTER
RDSGSSFDGEKLVKVFQKTPVDTEMTGFFENSRIIMGRPHVEDRNLMKDNTIITAKPQALE
RERSVWEEEAARRSPLPPSSLPAPKPLQNSTSSKNNSDAEEESTVEYIKETRPYDIICGR
NNGAHNCVGNRRFRVTIMMNLKRYMDAPSREEKSYVIKSVIDLLEQKVGARFIKKVGN
GMYVRLKERQVREKVGHAFFREMIALSEKESKKAEGSLHNNHIFR
>comp11015_c0_seq2; 313 37 894 LEN=1272; translated
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RERSVWEEEAARRSPLPPSSLPAPKPLQNSTSSKNNSDAEEESTVEYIKETRPYDIICGR
NNGAHNCVGNRRFRVTIMMNLKRYMDAPSREEKSYVIKSVIDLLEQKVGARFIKKVGN
GMYVRLKERQVREKVGHAFFREMIALSEKESKKAEGSLHNNHIFR
>comp11016_c0_seq1; 535 361 1408 LEN=1473; translated
MSGAEENVEEMRVRISLVEKYPVSMDETFPGVVAKPVTESYTSYHYKSLKVNVDLLKI
IQLGLSFSDEKGNLCKECPWQFNFAFDLDGDMFAQDSIDLHVHSGISFTDHATRIGIDPQ
LFGELLMVSGLVLDLDRVKWVYHAGYDFAYLLKILTTELPADEKGGFELLRIYFPTIYD
IKYMTSLCDGHRFMGGLQRLADDLGCQRLGAEHQAGSDSLTKDAFFALVKAKFQDKPKS
GGKKGKAGNSNKSQQAASSADRCWFDDARFANELYGYGNHTVRKGAASHARDISSISS
GPNXVMPEQQEAGRKDRATEGNPTQPNPPRHHTHESGKCLGLEPTIDE
>comp11016_c0_seq3; 605 482 1818 LEN=1883; translated
MAAAATKLSSQSPFPNPNRILARDHSQSPIPPPNAYGSRSRSTSPSYSHNNPNRGISTP
GGVRRRIQYPTNPNTAHSNAVAKHTFEHNGETLEIRNVWAENVEEMRVRISLVEKYPV
SMDTEFPGVVAKPVTESYTSYHYKSLKVNVDLLKIIQLGLSFSDEKGNLCKECPWQFN
FAFDLDGDMFAQDSIDLHVHSGISFTDHATRIGIDPQLFGELLMVSGLVLDLDRVKWVYH
GYDFAYLLKILTTELPADEKGGFELLRIYFPTIYDIKYMTSLCDGHRFMGGLQRLADDL
GCQRLGAEHQAGSDSLTKDAFFALVKAKFQDKPKSGGKKGKAGNSNKSQQAASSADRC
WFDDARFANELYGYGNHTVRKGAASHARDISSISSGPNXVMPEQQEAGRKDRATEGNP
TQPNPPRHHTHESGKCLGLEPTIDE
>comp11016_c0_seq4; 991 251 3172 LEN=3237; translated
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TLYFCANAAATKMVPTLNREAWPAKYTLFAFALLLTVFVPSDFLSSVYLWIARLGAAVF
LIVQQVILIDVAYNWNDDWVEKANQNDRLSFGSGSGLHAIVGVVALYGAACLSWIALLY
AHYTGDTGSCAGNTWAITLTLGITGVTALQLSSEGGSLTSGVISLYAVYLCFISIVSH
NPVGRCNPRLEGENDVWGITIGLVLTTVSLAWTGWSSWAEPRLRNAESLQ SARAVDAPTAF
SPFGEDEGHDHESSTGGSLDLGVPLVDGEEAATAGRVTTDGSAGAAARRESASLAHVWKLN
AVLALVACYVAMVLTGWGTISSEVDPVRHTAANPTVGRANMAILGVSQWLALLLYAWTLV
APLLSRTGTSRWRGTFKNEAKQDKTEKNKTNEAKRNEAKRNETKRDSMAAAATKLSSQS
PPFPNPNRILARDHSQSPIPPPNAYGSRSRSTSPSYSHNNPNRGISTP GGVRRRIQYPTN
PNTAHSNAVAKHTFEHNGETLEIRNVWAENVEEMRVRISLVEKYPVSMDETFPGVVAK
PVTESYTSYHYKSLKVNVDLLKIIQLGLSFSDEKGNLCKECPWQFNFAFDLDGDMFAQ
DSIDLHVHSGISFTDHATRIGIDPQLFGELLMVSGLVLDLDRVKWVYHAGYDFAYLLKILT
TELPADEKGGFELLRIYFPTIYDIKYMTSLCDGHRFMGGLQRLADDLGCQRLGAEHQAG
SDSLTKDAFFALVKAKFQDKPKSGGKKGKAGNSNKSQQAASSADRCWFDDARFANELY
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ESGKCLGLEPTIDE
>comp11017_c0_seq1; 270 160 2210 LEN=2289; translated
MAKMVSMKDSGRSGSSSRKTKNNKSNRGGSLSLRTIASHFLVLLSGIYIGLIMGSHTCPV
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DYATVPRDNFNELEIGVPMDDTKRGSEEVVILYTNPKTLPFKGKGEGKNPKHIEGPKEG

MDVEKALENCQTLKVILQEPVKRNKQQCIAIVPQWESFHVHKFMRVPKKGPPVDDSVPLR
YVVRGYSYENGKDPGVPWEWAHTKPSLDAMADYITHLDDTLKQLRPLVKKSI EDHKNSGEI
SRAMKRSKVMVVMVCNKGQAHLFHNFCVFNARAKGIDLSRIIMFATDIYTADLSQTLGIPA
FYNEDIFGEMPENAAARAYGDRTF SKMMMAYVYCVHLVMSLGYDVLVFDVDDVVWYKNPLEY
LVTKEKEWDMIFQDDGSRQVXVSAVLTEHGIVANSDEFKSHHTESQNKDL DVL SHTGI
ETAHAWVASRRTVVFVGFVFSREFAYISFSFFSLLFEIGVLF SNESGFYFVRNNDVTKYFF
NTLIRMGLDVKKTKSHQAAL TALVAEFVSWKGLRVKVVWKKGGETLFPGGFEYHQPSKEYM
RKFLKGDVKPFIFHMSWTQNKDNKKLYFEQMAEWYTKDESTGCKGLDCCLAEPVITCHYK
DKPSFIPCKDSPPIDKNGKSFWK

>comp11017_c0_seq2; 244 160 1986 LEN=2065; translated
MAKMVSMPKDSGRSGSSSRKTKNNKSNRGGSLRTIASHFLVLLSGIYIIGLIMGSHTCPV
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DYATVPRDNFNELEIEIGVPMDDTKRGSEEVVILYTNPKTLFPFKGKGEGKNPKHIEGPKEG
MDVEKALENCQTLKVILQEPVKRNKQQCIAIVPQWESFHVHKFMRVPKKGPPVDDSVPLR
YVVRGYSYENGKDPGVPWEWAHTKPSLDAMADYITHLDDTLKQLRPLVKKSI EDHKNSGEI
SRAMKRSKVMVVMVCNKGQAHLFHNFCVFNARAKGIDLSRIIMFATDIYTADLSQTLGIPA
FYNEDIFGEMPENAAARAYGDRTF SKMMMAYVYCVHLVMSLGYDVLVFDVDDVVWYKNPLEY
LVTKEKEWDMIFQDDGSRQVRYQYSPNTGFYFVRNNDVTKYFFNTLIRMGLDVKKTKS
HQAAL TALVAEFVSWKGLRVKVVWKKGGETLFPGGFEYHQPSKEYMRKFLKGDVKPFIFHM
SWTQNKDNKKLYFEQMAEWYTKDESTGCKGLDCCLAEPVITCHYKDKPSFIPCKDSPPID
KNGKSFWK

>comp11018_c0_seq1; 180 81 863 LEN=881; translated
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PPFQNAATCLEWQNEYLPMPFQPDGELCRSDFMYQDLFVSCCTLAIPRYECEQNVHNLATN
ENYNPAVPPPIVSNNELIVKTDIIFIKAETIDVMTGTATILISASMEWKDPRLAWTIESE
TTCADYVDMWTGYNNQDTFIW

>comp11018_c0_seq2; 477 81 2011 LEN=2236; translated
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PPFQNAATCLEWQNEYLPMPFQPDGELCRSDFMYQDLFVSCCTLAIPRYECEQNVHNLATN
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TNYTRGITSGILYCIYSLSSHSSPLNPKIVIANETLNFNRERLGFVMALALVIAAQIVT
FDLVPVSSSKLWIDKFVSRSFYVWLTVLLQSVLVAFVSVILREDRKEKKVRQDELIEKASA
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>comp11018_c0_seq3; 513 81 1880 LEN=2105; translated
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PPFQNAATCLEWQNEYLPMPFQPDGELCRSDFMYQDLFVSCCTLAIPRYECEQNVHNLATN
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TCTITGLGSI PFDTLGCQFLFGARSRQANANMVHYQFPTEATINVAQSDAKYNEFTPLPEL
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FVMALALVIAAQIVTFDLVPVSSSKLWIDKFVSRSFYVWLTVLLQSVLVAFVSVILREDR
KEKKVRQDELIEKASANQAANETENVAGVAGSTEKKNEVEGRELEKEESIVWTFSLRKFD
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>comp11019_c0_seq1; 679 512 1804 LEN=1961; translated
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ASIVSASADRFLATVLLQOSIACRDQRLKGAAMTRDAAKQRKRHMENYEADSDDRKRRREA
ITKAREDI AVLTI AADAL KKGAGSGKASSDAAGTKKPKKGTCKNAATASKPTGPE
KPDAAAMEALAMEELEEEYDSIDEEYQENVEVTRERLCLKKTGDNDDEDEDEDSDD
EDDLLLLRDIRPLEAWNFHLNGKEAIE TDDNDIEGSHKYLQESGNSKADPAVSSSTA
QQVQPADEKTKSDEASGAGANGAEESKAPSGDKKQSGEPASNGTKNGGTTKPPASSTSSP
TKNPPASSSS

>comp11021_c0_seq1; 317 201 1064 LEN=1245; translated

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FASPSVRAPTTKRIRSDLFSSHDDKQDALRSIQIDSTKKPRLNTAPPQRRMFLQQAGLAA
TAFAGLSQLDTEVVNALDMDSKNAAAASAMSGIKVSKNVGGLAQRIRGGLCFKMDELQ
RDLMQERWDLPPYPAPQLRSYVTVFTTYTDAAFPSPSPDYGLRVALRYEVGRFFASVER
LKRAIAKQSLEEAYTGELRKQKRAFEAFRPEKSKNEAVLIAFLEPMT
>comp11021_c0_seq2; 151 1 390 LEN=463; translated
RNATQHNTAYADMSLHLDRLVGVGLYTYYSVVDNEVLFKEYNDALVYSDPSKDPAEVR
DLVVLNCGPDKGKTGILIGIYPPTEKASNVVVKLDKYRGMREIRVVPRLWAAKRLGEQDP
DAVFLIPRK
>comp11021_c0_seq3; 430 201 1331 LEN=1404; translated
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LKRAIAKQSLEEAYTAYADMSLHLDRLVGVGLYTYYSVVDNEVLFKEYNDALVYSDPS
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>comp11022_c0_seq1; 503 172 1254 LEN=1351; translated
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>comp11023_c0_seq1; 253 1 961 LEN=1261; translated
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LEEERSMIVPTLLQSTQEILTHWEKTKGVKRVSSSELRNLDLDRKDIYNRALERDKRR
RERRDQHDEDCINEYSADEYAYGEHMASKRALDMLNHDMDVIRDLGQRMVQRMRTSGS
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>comp11024_c0_seq1; 829 1 3168 LEN=3433; translated
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MKELKSSTPFLEWIGDDLSIENCVTSAFDRAVSRQLEKDWHLKPKQTKQLVQDLRTRLAL
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KKKPPQNGKDRARKLNEVPEYLRKRRRIAVEQGRGRDMTGTNEDRERQAILEEAVEETE
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DYVVLVDYDISFVRSVEVFAALNPLKKNRNLKVVYFLMFAASSEQKVFLLKALEREQSAFER
LIHKKTMPPVPIQVEGTQEMQHALATGSVAGTYSNGSLPLSMDTRRGAGKSKAEKRDIA
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FDLTFEFLTPIFFPLAKDLLQNGDPYGSLSKTSLSLVEEPPRDPPELFAKALANHEEVDVAK
AVDVGKKSLESLLKSDKTDEGGDEENEDEINEAGRDMLLQLPGVTIQLARKIMHECDC
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>comp11024_c0_seq2; 845 1 3053 LEN=3318; translated
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LGLRDDEHETLTAMLETWGTPEMMPTIITNESGQKDRMQMYQGGVFCITSRILIVDL
LDNTLSSKDVDGMLIGHADHVNNDSTEAFIIRIYTSQKRRDQCFIKAFTDNPEYLLSGFA
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MKELKSSTPFLEWIGDDLSIENCVTSAFDRAVSRQLEKDWHLKPKQTKQLVQDLRTRLAL
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IPNPVGKLIPLVEVNPWKLLKNVLEIKEIESKGEQSSTLREQPATILVVVKDERTVDA
VKSFLVDGRDRMTLRWHKYLEQCNDRSRSIINGKMAEESRLLLEESRVWRILYGNKGH

KKKPPQNGKDRARKLNEVPEYLRKRRRIAVEQGRGRDMTGTNEDRERQAILEEAVEETE
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DYVVLYDYDISFVRSVEVFAALNPLKKNRNLKVYFLMFAASSEQKVFLKALEREQSAFER
LIHHKKTMPPPVIQVEGTQEMQHALATGSVAGTYSNGSLPLSMDTRRGAGKSKAEKRDIA
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EQMSKYTCPCLLIEFDPAKSFCLQNPNDLGMDIKIDSICCKMATLTAHFPKLRILWSRS
PHETLRLFKALKANHEEVDVAKAVDVGKKSLESLKSDKTDEGGDEENEDEINEAGR
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>comp11025_c0_seq1; 553 63 1610 LEN=2397; translated
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VEDNSSIAVVDENQNDSEKKTKEIAKSAVSALELDHVENASVTKGEDDHSVDSTIDFT
EHYGNEHRNEREINMNERYLDMTILAECDNDEVGDEKEIVTNGGTERHTTDGKQMDLG
RETAIFNITSNNRKLKDSMDRIERKTAKITPILDFNGIGPIGATNPYFTALSKEVAKDTT
MDNYESGGYSTVCDEKEPLTSDPFQKQLVVMKGGIIQEKRPKKIVSMKKINPGKRCRQS
NKPYPHAKFTSRLPVAQEKQKQKQVDSFAANNLSSKDKSKTSTDEKHNGVPLWKIHSKDF
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>comp11026_c0_seq1; 446 535 1413 LEN=1525; translated
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TLFMHRGSCALLKEEDIQLALNHDLQHERMLSALRSTMASMAKTVDDIGRRLDEWMIHN
LNNENDWMIEDKKTVAARLQETEALAQEVFLMASDLYSKQKMAMKVFDSCHDGVLEV
VDVHTTSTGLSNDNTLWMSDPRAVIKRASKEFPSSDSSDPTLAAVNQLMNID
>comp11027_c0_seq1; 367 98 1156 LEN=1226; translated
MAHYVGSLLGRGCRTRGLFDSRRLRGGSSSTSSALFSSLSKLENPGKLVAGLTPPEVEAN
PEIAEYLRSNFGDEVTNADGEITSGINIPPELLREFGIEDRSSDDNVPEKKYGEPRVDAGL
GSAEQQLNIRVLKTYVRSEEGSKACRRLRYNNIIPGILFGGDPNLNISSSNHSAKTLVK
TPWPELQRELDYHRQFESRVYDLTVLENESDTEGTVHRVVPSSVQWHPVQGSIFCANFV
RYHAGRPLKIPVKYINKEESPALKRDGYIIPVKKHIECFVEEGVPIPDALVEVECTGLQVK
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>comp11029_c0_seq1; 496 88 1557 LEN=2173; translated
MTITTFELGVSSFILSPIQSQNRDPSIAIGWNFHHEKAISSISKKIITRIASSSVSSPD
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HGGSIFNWISTTVSNTNEMVMKINLATTDQSPLVAILHNGGKDYATIAAVEGILTKNVG
SIDTSDSESFRESLASLNSPYSDSSKVRLFAIGRAKISHHQTKFLTGGFEYDDNQIGS
TDINSFKSEPLLVARMGLLLDSDKEGNKSSPVHALNRISFAQVRVLLHDDRQHIVRGL
QAAQSRLEIAMEKWADWDGIGSLNANQETDTSTESNSYDLGVLNQFIREYDTERGSL
IPTHSLPLSPSAARCIELDNYGLGTTSSAYVPLPSMVNIIMERLEKYYSPELQSEEFY
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NCGEECDLF
>comp11029_c0_seq2; 496 88 1557 LEN=2319; translated
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HGGSIFNWISTTVSNTNEMVMKINLATTDQSPLVAILHNGGKDYATIAAVEGILTKNVG
SIDTSDSESFRESLASLNSPYSDSSKVRLFAIGRAKISHHQTKFLTGGFEYDDNQIGS
TDINSFKSEPLLVARMGLLLDSDKEGNKSSPVHALNRISFAQVRVLLHDDRQHIVRGL
QAAQSRLEIAMEKWADWDGIGSLNANQETDTSTESNSYDLGVLNQFIREYDTERGSL
IPTHSLPLSPSAARCIELDNYGLGTTSSAYVPLPSMVNIIMERLEKYYSPELQSEEFY
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NCGEECDLF
>comp11030_c0_seq1; 202 140 490 LEN=1212; translated
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>comp11033_c0_seq1; 522 237 1931 LEN=2515; translated
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DGGWNNIRMSMETVLTALAMGRVVLVPPSQMYLLGKTTFNFAFFPLQEI AEEHPGL
EIIISMEQFLEETMGTTTRDFKSGKIVYPPNNKKTAWDGDTRGIKSVLSPWLRISLNPDW
PEKCI AAFP KST DQK D I D E L Q T M M D E V V L E K E G K F V S R K A F E E F V N K P T P V D A S T K D R L R

EFLAERSKLCIYDKTHQEAAI IHFHGKNAKTQETGGRLLVHFYAFLFFQDWHITDLWMKRF
VRDHVRYIDNIQCAAARIVHKLRTGFKEPTFDSFHVRRGDFQYKNTRL DADDIVANSKSD
IPSGRTVYIGTDEREKDFFKPFKEKAGWNILFLDDFKDVI GDNINPNYYGMIDQLVVS
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DYWGIIKKSFYAREFPSSWRNL DIDVK

>comp11033_c0_seq2; 389 894 2129 LEN=2713; translated
MYLLGKTTFN FADFFPLQEI AEEHPGLEI ISMEQFLEETMGTRDFKSGKIVYPPNNKKT
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KFVSRKA FEEFVNKPTPVDASTKDRLEFLAERSKLCIYDKTHQEAAI IHFHGKNAKTQE
TGGRLLVHFYAFLFFQDWHITDLWMKRFVRDHVRYIDNIQCAAARIVHKLRTGFKEPTFDS
FHVRRGDFQYKNTRL DADDIVANSKSDIPSGRTVYIGTDEREKDFFKPFKEKAGWNILFL
DDFKDVI GDNINPNYYGMIDQLVVS RGETFFGCWFSTFTGYIMRLRGYHSQLHLDDGNQY
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>comp11034_c0_seq1; 537 1 1008 LEN=1472; translated
ATCPLPWYVSLIVLYTKPVAAQC VVFQCLVAFHCFVDRLSIRAVCNPRNLFRQRSSVANL
LSVRPPACRVTQDKVSVNFGIEITKIVPGYVSTEVDARLSFDTEATVAKARKLIDLYKEQ
GIDKSRILIKIAATWEGIQAAKILETEGITCNLT LIFSLAQAIACAEAGVTLVSPFVGRIM
DMFYKAVELKKDPAFAGFAAKDDPGVSVTQIYNYYKKHGYDTIVMGASFRNTDEILELC
GCDRLTISPGLIEK LQAMGEDPVEKKLDASKAKEMDIPKIDVDEKTFRMMNCSNAMATEK
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>comp11034_c0_seq2; 753 126 1118 LEN=1582; translated
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RILIKIAATWEGIQAAKILETEGITCNLT LIFSLAQAIACAEAGVTLVSPFVGRIMDMFYK
AVELKKDPAFAGFAAKDDPGVSVTQIYNYYKKHGYDTIVMGASFRNTDEILELCGCDRL
TISPGLIEK LQAMGEDPVEKKLDASKAKEMDIPKIDVDEKTFRMMNCSNAMATEKLAAGI
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>comp11035_c0_seq1; 643 629 2419 LEN=2579; translated
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TNVPPGLPGESP GFVKNPLPFLQHL YFDDVDEDINGMTVGEGRGTGRSGFN DERLAEIIR
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VRLPAAWCGLVGLKPSYGLLSRHGVVSYASSFDTVGV LANSVDCAASALDILAHRNQDFS
RDSNFSSYGRNIDGSYKESSDASFAEIGLAQALLSENE NPNYQPLSGIRVGIPSAF SVK
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GFRYGVAADEEETASETEGNRLTQNTSDDGMTPLERQYSASRSKGFGEVKKRILCGASV
LSSDKFHSYYEAAAKLRAALADQMTSVLEEKADLLFP TVLSLPPKIGNGTSLEGN GNNT
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>comp11035_c0_seq2; 547 1 1687 LEN=1847; translated
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NGMTVGEGRGTGRSGFN DERLAEIIRMS PAAISDKHAEAIERYRNMEAEDGSTSYSSAG
SSSSGSAASVAHGSSLLSLGTD TGGSVRLPAAWCGLVGLKPSYGLLSRHGVVSYASSFDT
VGV LANSVDCAASALDILAHRNQDFS RDSNFSSYGRNIDGSYKESSDASFAEIGLAQAL
LSENE NPNYQPLSGIRVGIPSAF SVKECPEEIRTSWSLAADILEDNGAEIIEISTEDIDP
GLVQKALSAYYVLVSAEAMSNLSRYD GFRYGVAADEEETASETEGNRLTQNTSDDGMTPL
ERQYSASRSKGFGEVKKRILCGASV LSSDKFHSYYEAAAKLRAALADQMTSVLEEKADL
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GIQLVSSRLRESVMLKSARVLQ

>comp11036_c0_seq1; 208 80 952 LEN=1197; translated
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TFLFFASSIYSFTW DVYMDWGLGRKSYGFLGPRLMYPKKYAYYATIAMD LVLRSMWVLT
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>comp11036_c0_seq2; 720 99 2729 LEN=2974; translated
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DSNDSFISTSI VNVISGMASNMLNSNELNNTFERKIRKSLEEIDFQTSAFDGLFNKQ QKK
VVCFYYSQLQSLEERLQSI VDWVQRDYAINTHTFDSGGRTDTSMSEGEGEIISPFP SHRR

KKSSIGEHLEELIIQLTESVRSIGNENEDEDETHSDTRPKMRVVSQIRMGKILKENPTNLS
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DWSQLQLGYRMGMCAILALWVCWDLVWGMVAYGKTTIGARYGFPVFRACGGLLLLQWFWG
CSVFMWTRYRVNYIFLFDNPRIVRTPKELIREAVDSTLIYLLMLLYKAGAHDI PQVI
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VDWNWTFWVLSGDFLLAERTTEENLGHWSHSHYFKNVINPIICMLPLVFRFNQCLRKYA
DSGDRFPHLANASKYALSQVLTLTGAFHPLYLEVESGRELVYQVFWTFLFFASSIYSFTW
DVYMDWGLGRKSYGFLGPRLMYPKYYAYATIAMDVLVLRSMWVLTLLPPSSGASFALPAY
LYSLQVILELFRRTVWGGFFRLENEHRSNVNRYRRVDFVPLHFDTGHDKMHYQKKLERSGA
SVLREVVLVTLVVVGFCIASIVSAQRANKSSSTDEL

>comp11037_c0_seq1; 151 192 666 LEN=1041; translated
MSIFESDRQHGNQKTYPSRKVVDDILGGAAAWENVDRMATCPSCNHNEAYFMQIQIRSA
DEPMSVIFYKCVKCNQWENKGREFDLNYRPTVCARCFTHGKHDELQLERRCPHPFQPSG
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>comp11038_c0_seq1; 774 54 2984 LEN=3510; translated
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LNPKMVPLGAMQEENWLDISDAIDGWLKGGGGFVDSAEALLERLLSEHAASYSGGKYFH
SPSYLEKSTSLARLQREVLNSWIQAFHLSGGSSQLALSRAERAMFRLKLERADKKTLLH
VPPFVEQYIAIVDGYLEADVHRQRPTKAGNLLRRLISYDNFAKDLKDADHFIEIGPLLE
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TKEMSPFEIEVTENRLLLEILNSANEVEKDTVDDLLQRLPTLKPRIELIVAILGYIRIKD
SEASSYWLQELEPSFLVTSYDLVERVLKWLWTEEGSGAPWRADEVFKAVARKIHLYDDKF
LMSSMSLKLIVENWASSEDPSASRKMIDWYSQLTSRQVKPDESTLVMILQALRSTNTDKP
LELVSGEIFQQWKSFSSEQKERIATEILELIALKRDNADMILEFVDRLLADNVVPSEVLF
RSSISAIQNHKNPSDVLVSVVYSFDEASNHTNLTYTSAIDFLFKMNEDAMPQIEALYDH
VLKEMAASSEFIKREDFSEFLYVVIAMHVNRKLYSQAENFLTAKETLLLPSTAAIVNQSP
IPLKCYKIIIVRKWYTAKTAPKVEESFENLMKLYHSGYRNLQPDSDLYHAYISARVAAGK
DAENNLHEMIEQYELVGKEEMKPQASVFNTVLLSLSQGGKPSMLEKKSITLLERMSSLG
VQPDIKTINLVLKNVIKGYDSAYNTSTMLTNMIEEHGLRPSHTLHLVLDACGSAPAGE
RNNAIRKCLSTFGDIRTQNFVGPITYGILSKVVYRLVSRDLRADKIGESIFSLCCEDGML
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>comp11039_c0_seq1; 1276 1 2723 LEN=2776; translated
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VAAQKDLNNSKIOMEKTYTLKVDLASASGAANSKNFKANIRGEKRKEDTGAPASQEGLD
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FDSKEYKIPQADRRNMYLQAEARVSSSSGNANNTDTWDDLPPQDQRKRQTALKDKTAK
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TREILAKVQIEIEGKDLVIPPWSYDGDHEMKDEDDGKKRRRKNIKDFIPSVYIDRDFGPS
GKKTDPASRGFGFAEFTHHTHALACLRELNNNSTYSKEYAAGGKSAALKKKPNRKNKKG
TNVKPGDYQDEDGRVVRVRLIVDFVVENKVKAKKQAERRLQQQLNQSKLLEKLEKKA
KELEDEEENKTKRKGRAIQREKKRQKRESGEEERERMLKLQKKAMYEAKKELRKERAE
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KSKRWE

>comp11040_c0_seq1; 430 308 1449 LEN=1585; translated
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LSLMGGKQGLFREEGTFECFFDAVLNKGAVKGLQLTLLSFNEIVKRGSSSKLAMNTLKE
LELNI IQPDVSQRADEGMKELSKVLRVNRGLERIDIGRMMTNEGRRCLLESIRDNVTLT
KLDTRKLPLLIDPFEIEDKCEREEDVLAQINRHMKNKIYQRCNQNEKSMSLDIYPT
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YAITYLASTEKIMTSATTK

>comp11041_c0_seq1; 596 104 1021 LEN=1149; translated
MSDSNEDEARMKALLAQWDDDESDASSDSDDDDEEAPAPATKDLNLQDNVLDHIV

IAAPDFDEAVKEFENMTGIKPSIVGSLRGLGTKSARVGLDNNAYIEIVAPDPKNSGPVGA
ALAKDLEDGTLIPYHYAIRSSEVEDMKDNQVPNDLWGQPDHISMFGAAPNGAPKKWEMLY
MYGHKIGGCVPFYIDWGECDHPSASIPVGLSKTFIVRAPAGHKVHDLMLMGVSGIIVEEG
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SVSDSD

>comp11042_c0_seq1; 223 115 579 LEN=897; translated
MTFTRAFIFYIQLFAVVVESFVVVPSWNSASRRQISTTTNLSAYTPPNGSSQYSSWGGSS
RSNGSSVPSKTACESAVNIEWEPMSELERRIEDGIHYEHIPNYRNEQHMPGCHPKAKRI
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>comp11043_c0_seq1; 446 243 2682 LEN=2784; translated
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DADVSSSFDNRNKNEDRPTFFIAKIKVEDTDNESDNKSDRTRENDKNSASKRGSYSEDH
KNYFSLEEATRDILDSNCTVGNWTQDDCIRVNNIISMWSKRSSGSGKPHPAIQQERLLRR
VIEEKQAANSFALGLKTRDIYHDIIFSWRSHEPESANRAEELDAMQHAYNSGEDRSLQ
PAIGAWNSILFAYAHSKSKDASEHAMRVIHKLYGLIAEGKTEVRPNDESAYAFILKAVASA
GGKDAPQNVLDLLVRMERLSQNGFAIDVSSSCHNVYLSLIVESMKDPRVHAAQNARLAES
HLHKMKEHPDPSLHPDRKTYNLVLSGWSKSGDRELATKAEALLEEMEASAAGDSSRTAPN
KYTYNTIIFCYTWSNLPDKGDKALAVLEKMKRLGENNPF CRPDYTTYNAVMMNCITKGNHP
SAPYQVEELLKEMTEIYQRTGDYSMRPHNRSFNACVNAWARSNSREAPERIKCWISIMQD
DFESGRTDVMPNKWYNSYLQALAKQRNPSSADKAERILALMEEKSRQFRSNLKPDLVLT
YTNVLHCIALSESGDAFQRAYAILSKMESGNGDVRPNVYTYNVLINVVAKSKLPKAKIA
IQLVNRMKEVAIRPIIITYNALNACAYSDEPKDDPREVLQVATMILKEAQETCGANYIS
YSTYLRVIRYFVDDRLDQWRLIRKTFRRCCEDGQLTLTIMKQIRSALS AHQYGLIEKEAT
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>comp11044_c0_seq1; 119 144 677 LEN=777; translated
MSSAARNRLAQIASRSGKFHKPKPQLREAAKKTQWNIVRGDTVQVIGRNHPERGKQGIIVK
KVLRLDLRVIVEGVNMGPRSISGDKDKGIPGKVIQLERTMHYSNVQLVDPIQGIPTRIK
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>comp11045_c0_seq1; 636 174 1148 LEN=1384; translated
MADAAFFAKKKKKKTKFKNANTIDASQVTNTVHVDAPALSNTADLVPTTGALPLEKDA
KVANDDNWDEALAANTMRKGAAVVVPAGVTTKDLVVETKALS LKTNNTGGNEQDDIAEKL
RVEETKAKLAAAREGMEREAQR IKEEKEKKEKAASSRFGAAAASGGKWPVSRARAAGGG
LSSIGWGSKMASQQKVDTEDENLFPDLAAADAILEKQKAE LPAKAPTCTPVGGGATWGA
PAAPKTRPKLNLKKKAVVEETPVTEKA AKTEEAPVTEEASPEPAAEPEAAAPVEAA
APAPAPIKPKKKKKKDLSTFGKK

>comp11046_c0_seq1; 361 1 458 LEN=812; translated
XSNTNKLWKSSLSNADDDDEEEEDDDDESQHTGDVDAASQAQE QLEMVDVFLFARSKER
SSLVPTLKLGISEMGMVFHAQSEEELEVLASVHTVAKEPDHHEHDEDIERDFFDVQRKST
MELALADVSI EKDEELWERIVENLAALEGSEA

>comp11047_c0_seq1; 549 215 2551 LEN=2753; translated
MNDEYSTARKLTQRAAAREKALSNVTSSKGLVPYQSGSDDGIGSLGADFS DMALKPDHVQ
RPCWTCPDGNIYLEAFHDLVYQAYDFLVAISEPVARPEFVHQYKLT PYSLYAAVATNIET
ESIINVLERLSKNALPKEVKKFVRDCTSKY GKAKLV LKHNFYVESEFPMLVRELRLDPV
IAQAR IHDQQADVDEFGFTTHTKAEEMRENLEMLREPGDGDSDDEDDMDGMSSKQKPTV
VVSFQVDGIKVENVKRQAI ELDYPLMEEYDFRNDTMNPNVPLFDLKPITRIRRYQERSLA
KMFNGRARS GIIVLP CGAGKTLTGVTAAQT IKKSCVCLATNAVSVLQWKYQFQKWTNIP
DDRISVFTSDQKDLHPDACVLVTTYTMI SYSGKRSEQS QKVMQITGREWGCLLMDEVH
VVPAKMFRRVIGSVKAHTRLGLTATLVREDDLISDLNFLIGPKLYEANWMDLTAQGYLAN
VQCVEVWC PMTGPFMKEYLTASNARLKQLLYVMNPSKLRAVEFLVRFHEQRGDKIIVFSD
LVYSLKLYAEMLKKPLIYGETPERERQAILGTFRATDALRTICISKVGDTSIDLPEANVI
VQVSSHFGSRRQEAQRLGRILRPKSYTQTDGNSKSSFN AFFYTLVSSDTQEMFYSAKRQQ
YLIDQGYTFKIVTNLCEKAAEDAKNLI GTDNSYAFSTAADDRDMLRKVMNSETDLDKER
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>comp11048_c0_seq1; 295 348 980 LEN=1034; translated
MSDSSDSDSECGPSDTRDHSRSTKPLRNQFRRSMDLDLHNGSKYEITKITESTEPYDFD
SDEDTFADAASDCEPNQLYLDEMLEDIHPERLNLFDYRKSSQSSRSLTRIKNGMDGSNS
CLDASLHDSKQDFD DDDGNEIVVGKVISNRDDKETETNPLDEEDTL DCLPKTINNGKG
RRGSLD TFGSPDITGQGRALLRQPSQKTW

>comp11049_c0_seq1; 319 488 940 LEN=1241; translated
MKSFSTTAFVLAATASLTSAFAPVPAARQAVSSSQLNGSIQFIKGFDEKCVDPVKLTRAK

DGSSGVATFFF DAPNVFDASTTSEGEVTGMFMIDDEGEISTTDVNARFSNGKPKQSIESTY
VMNSPEAWDRFMRFMKEYGEANGLGFKAAN
>comp11049_c0_seq2; 319 568 1020 LEN=1321; translated
MKSFSSTTAFVLAATASLTSAFAPVPAARQAVSSSQLNGSIQFIKGFDEKCVDPVKLTRAK
DGSSGVATFFF DAPNVFDASTTSEGEVTGMFMIDDEGEISTTDVNARFSNGKPKQSIESTY
VMNSPEAWDRFMRFMKEYGEANGLGFKAAN
>comp11049_c0_seq3; 319 868 1320 LEN=1621; translated
MKSFSSTTAFVLAATASLTSAFAPVPAARQAVSSSQLNGSIQFIKGFDEKCVDPVKLTRAK
DGSSGVATFFF DAPNVFDASTTSEGEVTGMFMIDDEGEISTTDVNARFSNGKPKQSIESTY
VMNSPEAWDRFMRFMKEYGEANGLGFKAAN
>comp11049_c0_seq4; 319 625 1077 LEN=1378; translated
MKSFSSTTAFVLAATASLTSAFAPVPAARQAVSSSQLNGSIQFIKGFDEKCVDPVKLTRAK
DGSSGVATFFF DAPNVFDASTTSEGEVTGMFMIDDEGEISTTDVNARFSNGKPKQSIESTY
VMNSPEAWDRFMRFMKEYGEANGLGFKAAN
>comp11049_c0_seq5; 319 705 1157 LEN=1458; translated
MKSFSSTTAFVLAATASLTSAFAPVPAARQAVSSSQLNGSIQFIKGFDEKCVDPVKLTRAK
DGSSGVATFFF DAPNVFDASTTSEGEVTGMFMIDDEGEISTTDVNARFSNGKPKQSIESTY
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>comp11050_c0_seq1; 325 1 1028 LEN=1475; translated
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EKHEIEMFAAKVTLRHYASFRHQ LRRGVTSS TTGKLF FRDGSIVSKSISTVNDRPMSSVQ
VMEAEESRFALILGKPGGGKGTISGKILKDFPKFH HISTGDILRSHVREETTLGLEAAK
FMKEGKLVDPDKLMINLVVEESAPYLEKGESLLLDGFPRTVGQAEALESSIHVDMVVNLDV
PNETIVERLSDRWIHEPSGRIYSYSYKPPKVQ GIDDETGEPLVQRHDDK PETVQARLELY
DQATSPLVEYYERNGLKTFRGTQSDVIYPEVKKWLHSCFEE
>comp11050_c0_seq2; 255 651 1244 LEN=1691; translated
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EKGESLLLDGFPRTVGQAEALESSIHVDMVVNLDV PNETIVERLSDRWIHEPSGRIYSYS
YKPPKVQ GIDDETGEPLVQRHDDK PETVQARLELYDQATSPLVEYYERNGLKTFRGTQS
DVIYPEVKKWLHSCFEE
>comp11050_c0_seq3; 325 1 1028 LEN=1470; translated
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VMEAEESRFALILGKPGGGKGTISGKILKDFPKFH HISTGDILRSHVREETTLGLEAAK
FMKEGKLVDPDKLMINLVVEESAPYLEKGESLLLDGFPRTVGQAEALESSIHVDMVVNLDV
PNETIVERLSDRWIHEPSGRIYSYSYKPPKVQ GIDDETGEPLVQRHDDK PETVQARLELY
DQATSPLVEYYERNGLKTFRGTQSDVIYPEVKKWLHSCFEE
>comp11050_c0_seq4; 255 651 1244 LEN=1686; translated
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EKGESLLLDGFPRTVGQAEALESSIHVDMVVNLDV PNETIVERLSDRWIHEPSGRIYSYS
YKPPKVQ GIDDETGEPLVQRHDDK PETVQARLELYDQATSPLVEYYERNGLKTFRGTQS
DVIYPEVKKWLHSCFEE
>comp11051_c0_seq1; 309 1 1264 LEN=1906; translated
XRYTSSQIQD TVLVKDLKVRPYTEYCNLIRGKELAQLSRGVPMFASSTQRNPSATNTAT
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ALGLFSSNVEYYEIKINEAKMKS NLRVGDEEKNIWASQDSQPFNEDGLAVKAQHLMVAG
HSVTVSDHLRDADSDEKDWFLLSYQKGRGLPQAIHAHIAAGIEEARKDPEALLVFSGET
RASSGPHTEAQAYYHVADSMNLWPSDPGSSVRARTTTEEFATDSFENFMFSIARFREV TG
TYPKKITAVSFSFKRRRFETLHAPALRWP SERFVYVGVDP PASTGFDLEQSAEGERKNAA
APFEQDPY GCHSEVLQEKRKRSRNPFKRTPPYPLSCPDMKYLLGYCGPELVPSDRVPWDT
P
>comp11051_c0_seq2; 265 1 1393 LEN=2035; translated
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ALGLFSSNVEYYEIKINEAKMKS NLRVGDEEKNIWASQDSQPFNEDGLAVKAQHLMVAG
HSVTVSDHLRDADSDEKDWFLLSYQKGRGLPQAIHAHIAAGIEEARKDPEALLVFSGET
RASSGPHTEAQAYYHVADSMNLWPSDPGSSVRARTTTEEFATDSFENXVSSSRACFRLSI
VRNEKDERAPGLKLF AANPICSVSFRRFSGMFSIARFREV TG TYPKKITAVSFSFKRRR
FETLHAPALRWP SERFVYVGVDP PASTGFDLEQSAEGERKNAAAPFEQDPY GCHSEVLQE
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>comp11052_c0_seq1; 859 266 3370 LEN=3594; translated
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LNYRGIQDTVAQELLPKTTRGLVTSEWGASLLDPILKFAEWIQARTEFIDEALENFLSS
PACTDSDGTKLECNVFLFAGAGYDTRALRYRHRHSEMINFIEVDLPEVVEGKTKLYEQFRR
TNDPDWDNSAKHNLVFPNLDNDCGGQNPTSLIQVLKEKGNLKENVPTLMVWEAGSRKKKLLK
MHLKFLESVPTIDLHFHHTIVHEKSXFYVDEDAVRNIMDELFSFARMGGNGSENPRAE
TMLCFTDSLKPFVDVPPFSNEAMQFFEQNGMKLLQHRSRWGGAVHFALAAASADQAEPKKT
VSKSDNEVKVDRKIEMETVSKSDSEAEVDRKIKMETEELDRKSGIFHEHIKDKVGGGLTNSY
IPTASLNAAILKKPSFENAWYAVAFPWQIDGYETPIDAVLGKKDSKKGEQKPFATRLWGE
PLVIYRDSKQELVALADVCPHRSAPLSMGYVENDELVCQYHGWRFGDAGECVDIPTLHIV
DDKGETVQGGKILDRVTKSNCGNHRAVVEHQGLVYVWRGNVLEADLSLLPSRRKGDME
TVPVDTVLDYSVDYSYIVENNLDSPHLFFLHDGSVPPIESIGMLNSNLPKLRLKFFTDCC
GMGHIGKFGENGRPKKLLRFDPPNVVRHGGVSGFEFFHIVPIAPQRTRVLLRQHLPRGP
ILSTITSFPGTRLFLTALVNNWNYHIALEDASIMQGGASRIEDWGSPLKVGGLGDDLIM
QYWKWRNSAHDDLRSKKGEDSPYFSEFAPTGRSGISSGTSFGDSKEVVNRVRSEANLASI
PLVNDNQQRDPNTGNDVGTWGLSDYVQNTPVASFPPVYNQYAKMLVFDDFVKDLIEPS
DGEVCDMPKNRVPGAPETRTGDKSNVPVQMAISMALIAGALSMNPVASEATTSMNLLD
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>comp11052_c0_seq2; 900 266 3268 LEN=3492; translated
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LNYRGIQDTVAQELLPKTTRGLVTSEWGASLLDPILKFAEWIQARTEFIDEALENFLSS
PACTDSDGTKLECNVFLFAGAGYDTRALRYRHRHSEMINFIEVDLPEVVEGKTKLYEQFRR
TNDPDWDNSAKHNLVFPNLDNDCGGQNPTSLIQVLKEKGNLKENVPTLMVWEAVLFYVDED
AVRNIMDELFSFARMGGNGSENPRAEETMLCFTDSLKPFVDVPPFSNEAMQFFEQNGMKLLQ
HRSRWGGAVHFALAAASADQAEPKKTVSKSDNEVKVDRKIEMETVSKSDSEAEVDRKIKME
TEELDRKSGIFHEHIKDKVGGGLTNSYIPTASLNAAILKKPSFENAWYAVAFPWQIDGYET
PIDAVLGKKDSKKGEQKPFATRLWGEPLVIYRDSKQELVALADVCPHRSAPLSMGYVEND
ELVCQYHGWRFGDAGECVDIPTLHIVDDKGETVQGGKILDRVTKSNCGNHRAVVEHQG
LVYVWRGNVLEADLSLLPSRRKGDMEETVPVDTVLDYSVDYSYIVENNLDSPHLFFLHDGS
VPPIESIGMLNSNLPKLRLKFFTDCCGMGHIGKFGENGRPKKLLRFDPPNVVRHGGVSGF
EEFFHIVPIAPQRTRVLLRQHLPRGPILSTITSFPGTRLFLTALVNNWNYHIALEDASIM
QGGASRIEDWGSPLKVGGLGDDLIMQYWKWRNSAHDDLRSKKGEDSPYFSEFAPTGRSG
ISSGTSFGDSKEVVNRVRSEANLASIPLVNDNQQRDPNTGNDVGTWGLSDYVQNTPVAS
FPPVYNQYAKMLVFDDFVKDLIEPSDGEVCDMPKNRVPGAPETRTGDKSNVPVQMAI
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>comp11053_c0_seq1; 491 191 1501 LEN=1902; translated
MIFASACVAVLLANVDSVVLTRSPMTMGTSFGRTFRISTWGESHGSGVGVTLGDCPP
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SQDYLENDMNVAYRPSHADATYDSKYGVRAIAGGRSSARETIGRVAAGAIARKILKMYN
GIEVLAYVSKVQDIKAENVHDHDTFTMEVDANIVRCPDEASAEKMLARIDEIRKAGNSIG
GVVTCVARNVPAGLGSVPFDKLEADLAKACMSIPAAGKFESGDGFEGTLLSGKDHNDEFY
IDPETGATRKTNRSGGIQGGISNGENIVVHVAFKPTSTIGQAQATVTRDGKEVELRGKG
RHDPVCLPRAIPMVEAMVALTLTDALMMQKAQCELLPNEAPFESQPNPMGSTVEGRGEVG
LVTAEGDALSQRVDEE

>comp11054_c0_seq1; 212 1 1154 LEN=1154; translated
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EKTQRERGEERKLWAEAQRRRERELEKQKEKEKEKEEREKARIAAEEAVEQQPQPPA
ASETAAASEPTPAIVGASSGATPSATPGATGTGPLAPGAAPGPPNPSATPNGKDGNGPGT
EPPATATATATATESPAEPPAEAAKEAAEPQGAREPAEHEPARXAASSDNADDRLRGRSS
PPAAAGAVQTGLPAAIGGAGGEETEDRGSRRRLGSSPALIQRRASIDRGCRCRQARYCA
AGGFYVYGTRNRRIKKWVECLKIIMLX

>comp11055_c0_seq1; 407 1 1432 LEN=1902; translated
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LAGWLVVMSRYVVPVLSYQLTVMELNGEASRAVRRNGRESGDQRCFRWNGTEDSDDWW
AMHPDWESSTNEDELCFQMKNEEKAAFFRELHAIQYNESNCDNVFTKYMFSGGYADM
ENVATGLAHAMVTGRPLQMTTELTDGKWHYAAFKSHLRKNRKPVCPSGDMFCYFLPLGICP
PAVLNFSNKSTAHDADQYEMYDSNRWFREYATRPQQWLRQVRVLYVSDATANI PKTNG

CAAIHVRRSDIVLHQDFSRKYHPIEDYLRKLNETHRNIKDVWLF'TDDANAI FEAREFHSE
YNWMYLERKFRGSEGGWENQLPSETPEEEFIALLSTFQIAQMCDVLVHTTNSNFAKVMYD
SMLSTGKSITDLNIDDGERVVFQDQHTNSEKELRDHLEIKRNPEAVHLLDVGSSSDT
>comp11055_c0_seq2; 407 1 1432 LEN=2057; translated
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LAGWLVLVMSRYVVPVLSYQLTVMELNGEASRAVRRNGRESGDQRCFRWNGTEDSDDWW
AMHPDWESSTTNEDELCFQKMKNEEKAAFFRELHAIQYNESNCDNVFTKYMFSSSGYGADM
ENVATGLAHAMVTGRPLQMTLGTGDKWHYAAFKSHLRKRNKPVCPSGDMFCYFLPLGICP
PAVLNFSNKSTAHIDADQYEYMDSNRAWFREYATRPQQWLRQRVLKYVSDATANIPKTNG
CAAIHVRRSDIVLHQDFSRKYHPIEDYLRKLNETHRNIKDVWLF'TDDANAI FEAREFHSE
YNWMYLERKFRGSEGGWENQLPSETPEEEFIALLSTFQIAQMCDVLVHTTNSNFAKVMYD
SMLSTGKSITDLNIDDGERVVFQDQHTNSEKELRDHLEIKRNPEAVHLLDVGSSSDT
>comp11057_c0_seq1; 121 1 260 LEN=1107; translated
XSFRFFVFFQYLTRVPIWKEERFPSKPAISSSSVYPYNAHPRPVNIVKRIHGQRLTGDMV
PRREYNYDENYSGSNYNTVGRKEDDG
>comp11057_c0_seq2; 257 1 1366 LEN=2213; translated
XDHYCVAANDPSDYSAAVYSLGAGSDPQENLFRCSSEELFAGCSDALDSIADAMVTLLLLW
RGHCPVTLTLPFRDSQRRIEVSFRLPLHSMVAFAWAIALARDFQLVFSFLPFSVWALLA
TMEEQRRHPSWRRRPSYRELLRVLLFNKSRRFPLRTIRPNERLEETERFDSAASERAGA
RRQALERWRAKRERELGETGPLAATGEDAALLGQQTRGKVSPESTDATATSGNGEPLVVV
RLLPLIRAALHRCVLLRISRSIVSWRDSYAAFWIATMGFLGSFVALWIPWGLVVRWGW
VLLWTLFGPMMKLVLDLCLFRPGEAAKGYEDDPGTATEMEERYERRYDWWLGSKKRRSAQH
RIHRENTLKTTRDAKRYMFGKYLTRVPIWKEERFPSKPAISSSSVYPYNAHPRPVNIVKRIH
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>comp11058_c0_seq1; 600 104 1987 LEN=2363; translated
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KLFEIHREMQUIWTLDAFRDDFVKNLVGVHRHLKTN AFLSEEAFLAAYIAMLFKRHISKHN
PFDNERKHTISSIYLENLPTYDDFRQHHPVTFDQIELASLYGSHTHIYFIVSRKKEEIKS
EYEAFAARSSTEFENFISFHEYVAARLNQVTRAFEVGPISEDEDAPLKEVEWYKQFGVDIK
GKTRAMVPVLDAFSSNDKKNMKYQYDPESEKFAAFASSTIRKGAELFGTQGDRAADLYPK
FGFVNGEYSERTSVRLGSHQVIDRIVPEKTYMEAQKYQIITYLQDDGYSECVTGDGDL
ALRFKRLKRKALLSIVNRYEDWVVSFPALDRSMNSNGKLQISVDSGVSQIISTCRLAL
HHDYDGDADHVLEAAVQEMESNHDKDT HDKGLLLKSGSDGLE YRALVWVWRLAAYS LNQY
CGAYEDWVCSKAHSEMEELEKYSKEWYAAVRYQEIVTLETLEKFAQQS QLAYTKKEHF
DSEADEFFRSTLCPVDTPLKLNLIYE
>comp11058_c0_seq2; 211 179 706 LEN=1082; translated
MNSNGKLQISVDSGVSQIISTCRLALSHHDYDGDADHVLEAAVQEMESNHDKDT HDKGL
LLKSGSDGLE YRALVWVWRLAAYS LNQYCGAYEDWVCSKAHSEMEELEKYSKEWYAAV
RYQEIVTLETLEKFAQQS QLAYTKKEHFDSEADEFFRSTLCPVDTPLKLNLIYE
>comp11059_c0_seq1; 328 229 1302 LEN=2249; translated
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LSQNQNDLLCRFLAPSNAEKNHPIDHKALALLFVLGEHLEAAHELVLGVTPRELEAAEHA
ATHPGQTTWARDHPLDATADWIHAI VHRLEGSSKGE GATGYDNAKHWF LGGA AKRLDRP
DPSHPVRKLLAESAPRIAPLLCEGRLLGPGTASPPYRHNI PGFGTAVEVELGRGEWDDL
AFVELCRRRESQLRGDRGPLGSENELSDAECLLELVDLQRFELLCLLHHV LQAPN GRG
>comp11059_c0_seq2; 328 216 1289 LEN=2236; translated
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SIETNHNRGITSEIVESIRETDSRVAEFLDSIPLESFGRSSDSPLPMNYGIFRGTSSLRS
LSQNQNDLLCRFLAPSNAEKNHPIDHKALALLFVLGEHLEAAHELVLGVTPRELEAAEHA
ATHPGQTTWARDHPLDATADWIHAI VHRLEGSSKGE GATGYDNAKHWF LGGA AKRLDRP
DPSHPVRKLLAESAPRIAPLLCEGRLLGPGTASPPYRHNI PGFGTAVEVELGRGEWDDL
AFVELCRRRESQLRGDRGPLGSENELSDAECLLELVDLQRFELLCLLHHV LQAPN GRG
>comp11060_c0_seq1; 175 124 1095 LEN=1271; translated
MVRHLYTVFSIFVGM LAVSTALPHTDQTTGDEKGFNGSAGRRNSSRQLRTRIPDKRRERN
VVPDIVGVKNGSLEEDLQQLKREHSVSFPSRLSGTESAGSLQK'TTPNQNLQICRRVHLN
FARAANGRDMHGDFVRGEWFHRYGINIYADGHDGTSNLHPMIFDSSNLESNGLVGNKEI
FALGSPNFDCCGGFGIGHGKKEGAPGENCEPLGNVLI PSRKAGSDSLTSSERLKVSKPSLG
GVLHFKFSKLT KVENIGLLNISGANQI IAVRNDGGMENIDLVPVQNGTQNVSLDLDQVN

ELFVILHSFGAVSGLDLCLIVFDQ

>comp11061_c0_seq1; 884 1 2987 LEN=3167; translated
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SISSIGSNMGLSILVGNRAHPGASREDFVRSDDGAAPQAKTSDGSGGGFRTPPKPKLPR
QHQPFFVPRSLPLASRRPQYRRSKSVTLDMI SPQRSLPRIPEPNAVDSKPTHHRSRSTLSS
SGRRKSVTFHDIDEELFEFDKRETSAVTPIDAVDTAAKKPQNVRRVSDSQIAI PAELQN
PNQALLMARQRDGLQRETSMSIIPSLHRGAPIRQDSLSSIIPSLHHGHPLQDSVSVMDRQ
NSTASIPSLHHGQPIRDSVVFQDSVTSFASIRHGNPLAESPSAASIPSIHGNPLRDSLST
TRQSSVATFGSIRQGNPIRQESTSTLPSLHPARPIHQDSVASSVHVPSGGISMSRQDIAQ
RFGVSAGVASAWVQLERSEGTLPEDEPKRVSGLSDDGSPSIPHDVTLPTVNTATDAEDE
LSMRSPTYKPLSKPVLRLQATRNTYEGEGFEVTEMKETPMIDDEATEAQEAPIIDGPLSE
ADSYYYRYTPDQNVFRNSLAPFPDNGIMRTAGSFDDL S L F S S F G K Q Q H S S E I F R D I R R S L
SDDNMSTISNLVDHNREFLLQIPTSSDQGSEIIEDDITDGGSTSWEMGYGSPREQRFDWA
NIIQDEYVNGYGGAGTLGFRIFGTSDVDEASKPQVLSPLMESLQAFLPSSKSGQNFHMK
YSMIRDGASLQTLRLKVRGIKYSILAIETIDGEVFGSFTGQAWRKSWNYPFGTGESFLWRM
RHSRLEKSNGLDQAQKESIDVYPYTGENGFIQLCTHDRIAVGGGIPDETYAEKKSEEL
NSIPPLAMNTHDWGFLALQSDLLQGSSSPCVTFGSPSLCKSEPIGSRFEVMNVELWTTT
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>comp11062_c0_seq3; 353 313 2988 LEN=3526; translated
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CQTNAGSRRKSGMMTKLSSFTTRAYVSDRDISSGKRTRYAATQKAERFKISRSPTEQKAER
VEVFFTNHGMGIFLGLILYMLNLLAAATGAYQFTEVGGWTTEDDILRVTLPIARAGGRLV
TINCAILLLTACKYLWTCVRTHVVPVPIPIAFLTDDIMPKYHRYVALTIIFCGCVIHTLPQ
IVNYATASITMNEGLRFWTFGDGFATKQLLITGTLTIIIFSTFFLTTLKCFRKT TAGFR
WFWFFHMGVATAYPLLIVHGSCRGYPLFLYVALLPLLLYLFVLMRRKNVSTVKVIKWQ
AHDDDGGQITELVTECPKDFKYTPGQYAEKFLPISRSEWHPFITIASAPNYPYEEGPHHT
FEVDEEQKLVFCIKNVGRWTQALFDYASAYDLTKSINPVTIELRPHGAPAMNYFEYQH
IVVIGSGVGVTPLLSIWKYLMAGREMSQNGYGIHSIRSSVMEKLNSSIASFQIDGFQSR
EFSLGLGTSFRGHNSLATWDTEDLAEFSELRMKCLKWEKVLESMTVSLCLFILFILGET
VIVLQIFRFYMSANALGAILSLIALLVHGTIAIVSTIALGCSWYFRLFKCWLECSIILV
DTIAFWLSIRGRSTNTAYLVMFGLVVALHGIRVFHIYFMILKPHDHSTSKKEKSGNKRA
SKKAIMVGFNDADNDSDGENEICSIDGILINRTYASMRFAARCLLPKIMQFGLTDVFSM
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>comp11063_c0_seq1; 464 206 1729 LEN=1845; translated
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SGDGFFAVSMGDGTEHDQGESGSISSLQKGRVLVLLVAMVYGS LN VSTRLVFSRTDPPDAS
VSSAIQGWFSVLCFFPLLWGKHRVRHENNGPPRVASDADKARTEGILTPKPNKGTILQPP
GFWRFAMELALIDFGTQTLTNMGLKTPPGARASFLIQTSVCTPVVSVLLGKQRVHKRW
FACFVALAGLFI LSQEQQPSLEQQPWDDTCGAECGHPIDL VGNCTRMNVANPYCPRSDL
FVSSPGFTKGDWSCLFAALCWSLYIYRMSVWADSFDETTIQFVKNSAVTFSYTLWMLVSL
FYKDEAHADDGDNLRDLSPSWLWKTCKDPVWIIILFYNALGPCTIADVCQQAQAFVPA
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SRFDDKACFVGRRRKRPGTIINPIPER

>comp11066_c0_seq1; 925 1 1911 LEN=2318; translated
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PSKKVVDVAVIESKTRISIVASDVATRAGVSI SQARKDLTTLASLSQGDI AVSGDGE LIYEF
PKDLNGVLSSKSAKYKARQAFKAWPSIFWGLRV SFGVALVASVALVFS AI VVLQSSSSD
DDRRDDRRGGSMGFGGGFGGFWGSPDFDFYYRYPYGYGYGQTM DGAVRDPEDMGFLE
SVFSFVFGDGNPNAGLEEKRLSLAAQMIRDNKGAVTAEQLAPYCDAPDPSSESSSSSSSF
VDESFLVLP IVS QLDGEP RVTEEGDI IYVFPDLQMSATSSSILPQVSE SAMVLKRA GLRS
ASSRDIQNLLNMNGI STRGAREKSDLVKIILEDVLP EMTPEEEAEVSLMDPSMLQEREYKF
SLASGTNQFFAGALGVANLGGVLYLGNLFKQYQLYGVKLPGLGLAQTLYPGLVVYAILF
NLIPVARNFWISRQNAEIQGRNKARRKWRELAASKGSSVLRK LKAAAKFATNRTILKGD
SLYDTKKTAA DLQSKKDRSDLDEFDKLLNDDKNTFQ

>comp11067_c0_seq1; 1079 386 3774 LEN=3774; minus strand; translated
MCDTDDNTD GARPLRPPRPVIAGKKHMSLAGTDAIIDQMAIEDLRELVRHV LKIATDH
EYKMIRSEMDYFFQOVVAEDNRTSASEEGTNDTVLTSRTELAADVPIAAAGTVIESITDE

ATPTTAGTAVKPAAAIPTADAATTVESDSEKETRAVTDTDKAPPTECTEASTTALELISE
YATSVEATKAAPSTPSAQQAANPPATDDAKESISDEATTADTSTKGPTELSAAVPIA
SKASPIDSTPPDGSADLPLLDEETAALTTESVDPPLLRKSRSHDIDFIEEPTVVLRFSE
NENATRVATEKIEEEVEVSSEATPLQDNTTPSKRSYDTDAIDEPTAGLRRTQSQEGIEL
EDASEKTRKAEASKEMDSLADQIRNSQTKSNASSNVMAGINRSNQDKTQLIVLCNRKPAT
TKECKDQDLAMKLCCKIGVVPRVILSEIPAGKTNIIYNNPAATSQEERLVINSMIVALNQ
CSESAVQSTAVSYSYPQFFVRFIFEDKNNNASNDMSRSSSNVAVGAIEYKGDYDTMEELH
RAGMLTKESLFDIIPPACNPMDASNETNDTNSAFSDRDRERLELLIRETTELTRKLNES
GSGVDGGGENKVTVRDQKTKELRHTHIRLASVKGKSNQPLPSTSSSELPLSSTASTPTAR
PGMRKSMPHQGANTIALPSGVTVKRETVTTLKPRRQSLQKEPSGANLTTSLTQARGSLQSP
SSRQQPSTSVLQPVVEQPKRRIMNPYYALQEYGGSERGKETQGTSPSQADHQTEDFSVARL
PEDPMEIKEDPPELSAPYDQVLDERDRSWEKRFVGAACYLVFNTSDDELNIHYSERPLA
CAVGVWTSRNI EAFKTSQGLSESELIGTCASNVTNDHKNNYQGWCFAKAAKSMGATVTL
LEGYGVSVLDLYLDDSGRTIQISAKNAQAVFNTTSDAVACVPRGCDPFMSGIAGKKWKG
IAKKLGAVAVFKSLSSKSSKINRGDNQALEQPVIKGEASTHISSVESNQNEVVPVVLDEE
IPSSSIDHEDESSPISEPNGEAEPATELATELRGEPEAEPEPEKLELEPEPEPEPREVE
ELDPAEPSSSTELSDPERGACYLVYNPDSSSQIVEHYSRTPIDNAIGRX
>comp11069_c0_seq1; 544 254 1426 LEN=1530; translated
MAPISLRFELPSVSTKSYDKIIPPSIVNLNRNRTISTKASSCTTSDSSATYGSSSSSSSS
SEAYDTPQVYDSSSTNGSSSTSSYYRFPFHRQDEFQNDNSTLSYDNSSLTTNTSSRTEK
SDTIQYLPEISEASTTEESLSESHYILVEEVEDIQEVRNEDDEQLVDDTVRSRISITLKW
NGNSHKLSCWAANDESSYDDDEHELPSGISKSDIMVTVDIDDEARSSRVEALDEEDLDV
EILNHKRRSSGSNSPRKQRHQQRQDFENSVQKGI LDDLSSVYTATPNTAKLVLCVVISVM
SDGTLEHTFWSGRVLTELALQWVLFADNLQVFKRGRTVQKRDFGFGPLGLTQTEGQH
YLTSSLAPWAANDIMRNVGYGVLEDLLVEI
>comp11070_c0_seq1; 310 100 1275 LEN=3017; translated
MSDTASTTSEGVWPLSSHENDAKSKYGETNERDVVGYGANPVNPHWPKAAKVALNFVINY
EEGEMCTLHGDGASEHLLSDNGPNTQPYADQRHLNVESMYEYGSRCGFWRLHRLFTSRK
IPVTVWAVGMALERNMEVVGAIKQQEDWEVSSHGYRWWDYKDVDEALEKEHIERAVKIHK
TLFGKRPVGLYQGKPSNTNRRLLVVEEGGFLYDSDAYNDDL PYWNFDYSNEE EPHLVIPYT
LVENDMLFTAPNGWSTPDDFVKHLKRTLDYLVMEGKQGQPKMMTVGLHCRLSRPARVAAL
AEFVDYAKSYGKDVWITTTRESIANHWYDNHLPRGCGNPILSVGDRRAKKTAKASSKRYSF
LGNLTVPRDSEEYRQSLQVKKSDSEEVVDVI
>comp11070_c0_seq2; 136 240 572 LEN=2164; translated
MMTVGLHCRLSRPARVAALAEFVDYAKSYGKDVWITTTRESIANHWYDNHLPRGCGNPILS
VGDRRAKKTAKASSKRYSF LGNLTVPRDSEEYRQSLQVKKSDSEEVVDVI
>comp11070_c0_seq3; 136 240 572 LEN=2314; translated
MMTVGLHCRLSRPARVAALAEFVDYAKSYGKDVWITTTRESIANHWYDNHLPRGCGNPILS
VGDRRAKKTAKASSKRYSF LGNLTVPRDSEEYRQSLQVKKSDSEEVVDVI
>comp11070_c0_seq4; 136 240 572 LEN=1568; translated
MMTVGLHCRLSRPARVAALAEFVDYAKSYGKDVWITTTRESIANHWYDNHLPRGCGNPILS
VGDRRAKKTAKASSKRYSF LGNLTVPRDSEEYRQSLQVKKSDSEEVVDVI
>comp11070_c0_seq5; 310 100 1275 LEN=2121; translated
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EEGEMCTLHGDGASEHLLSDNGPNTQPYADQRHLNVESMYEYGSRCGFWRLHRLFTSRK
IPVTVWAVGMALERNMEVVGAIKQQEDWEVSSHGYRWWDYKDVDEALEKEHIERAVKIHK
TLFGKRPVGLYQGKPSNTNRRLLVVEEGGFLYDSDAYNDDL PYWNFDYSNEE EPHLVIPYT
LVENDMLFTAPNGWSTPDDFVKHLKRTLDYLVMEGKQGQPKMMTVGLHCRLSRPARVAAL
AEFVDYAKSYGKDVWITTTRESIANHWYDNHLPRGCGNPILSVGDRRAKKTAKASSKRYSF
LGNLTVPRDSEEYRQSLQVKKSDSEEVVDVI
>comp11070_c0_seq6; 136 240 572 LEN=1418; translated
MMTVGLHCRLSRPARVAALAEFVDYAKSYGKDVWITTTRESIANHWYDNHLPRGCGNPILS
VGDRRAKKTAKASSKRYSF LGNLTVPRDSEEYRQSLQVKKSDSEEVVDVI
>comp11070_c0_seq7; 310 100 1275 LEN=2271; translated
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EEGEMCTLHGDGASEHLLSDNGPNTQPYADQRHLNVESMYEYGSRCGFWRLHRLFTSRK
IPVTVWAVGMALERNMEVVGAIKQQEDWEVSSHGYRWWDYKDVDEALEKEHIERAVKIHK
TLFGKRPVGLYQGKPSNTNRRLLVVEEGGFLYDSDAYNDDL PYWNFDYSNEE EPHLVIPYT
LVENDMLFTAPNGWSTPDDFVKHLKRTLDYLVMEGKQGQPKMMTVGLHCRLSRPARVAAL
AEFVDYAKSYGKDVWITTTRESIANHWYDNHLPRGCGNPILSVGDRRAKKTAKASSKRYSF

LGNLTVPRDSEEEYRQSLQVKKSDSEEVVDVI
>comp11070_c0_seq8; 310 100 1275 LEN=2867; translated
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EEGEMCTLHG DGASEHLLSDNGPNTQPYADQRHLNVESMYEYGSRCGFWR LHRLFTSRK
IPVTVWAVGMALERNMEVVGA IKQ QEDWEVSSHGYRWWDYKDVDEALEKEHIERAVKIHK
TLFGKR PVGLYQ GK P STNTRRLVVEEGGFLYDS DAYNDDL P YWNFDYSNEEEPHLVI PYT
LVENDMLFTAPNGWSTPDDFVKHLKRTL DYLVM EGKQ GQPKMMTVGLHCRLSRPARVAAL
AEFVDYAKSYGKDVWIT TRESIANHWYDNHLPRGCGNPILSVGD RRAKKTAKASSKRYSF
LGNLTVPRDSEEEYRQSLQVKKSDSEEVVDVI
>comp11071_c0_seq1; 1049 250 3459 LEN=3644; translated
MASSSTEQQQQASLNSLFPDNTIDSICIGSGRFLRAVLVPALAAAGYHPAVVQTRSRGF
LDHSLSEVAS ENGNSSWAFSYEVDTVNFDGSIETTNPVPCWGAGTLGSPEGK KDVLELCAS
GLLLSDEKPLVLGLGVTEAGLSSSSTKVMGDLYDVLGSLATRKAPPKQISVINTDNVSN
GDVIRGFMEELATNDGSTR AAAMRQFLADSVVFHNTMVD RITSQRPGSDGLVPRAEPTPL
KALVIEDLRLCLPQSFRET DGELFRRFGVVVRSSHKGQLDADIALKLRVANGHTHTAIAHA
MALSGLPKTDALVSGTAASKLLVGYLDSFFE HQIRAGVVATDDF DAAPGEAEAVYGDWRK
RLTHAHFGLSTFFITQNGAAKGGIRIGPTVGDLLGHGLPVACSTAFALAAAILRFLTPAHE
RGASSGSSGVYRGWLDGGGATPNEEQRAVAYADGLSYDLGEGWYEFRCDCGVELDGEPTP
LPVALAAAVHSGGPRQPPSYEAVVGAYLRAPKGGNLSAVARSAPGSFSALAGAVAALYAR
MVAGDAAIDVLGGLDLEASCDCLVDG VGVSHHRFDDSSPLHYKKASIPDDSRMLKTRIGRR
DRETIPAVVFSEVSSVVAIDLH THLLPPTHGPLCLWGIDELLYHYLVAEYFVTAPPSIT
PESFYALSKQKQADLIWRALFIDRSPISEACRGVITTCVTLGLATEIENRDLEAIREFYR
TFRKKGLEGTESF SKLVFELAGVKHAIMTNI PFEPTE TRHWRPTPKEYSSHFRSACRIDP
FLAGNQKVVEATLAASGYDVTLEGARQFLRDWCDT MKPEYVMAS TPHDFVLPEDRGSSEP
RGEKTGVNEEAMREPF AFATLAASSRND AECNEGGAVDELPSVIDEDSDFLVDVLMRVCE
ERDLP IALKIGAHREVNPSLLQAGDGVVAFADAGVLARLCTRFPKVRFLATFLSRTNQHE
ACVLATKFRNLHLYGCWWFCNNPSI IREMTAMRIEMLGTAFTAQHSDSRVLDQLLYKWP
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>comp11071_c0_seq2; 681 250 1953 LEN=2163; translated
MASSSTEQQQQASLNSLFPDNTIDSICIGSGRFLRAVLVPALAAAGYHPAVVQTRSRGF
LDHSLSEVAS ENGNSSWAFSYEVDTVNFDGSIETTNPVPCWGAGTLGSPEGK KDVLELCAS
GLLLSDEKPLVLGLGVTEAGLSSSSTKVMGDLYDVLGSLATRKAPPKQISVINTDNVSN
GDVIRGFMEELATNDGSTR AAAMRQFLADSVVFHNTMVD RITSQRPGSDGLVPRAEPTPL
KALVIEDLRLCLPQSFRET DGELFRRFGVVVRSSHKGQLDADIALKLRVANGHTHTAIAHA
MALSGLPKTDALVSGTAASKLLVGYLDSFFE HQIRAGVVATDDF DAAPGEAEAVYGDWRK
RLTHAHFGLSTFFITQNGAAKGGIRIGPTVGDLLGHGLPVACSTAFALAAAILRFLTPAHE
RGASSGSSGVYRGWLDGGGATPNEEQRAVAYADGLSYDLGEGWYEFRCDCGVELDGEPTP
LPVALAAAVHSGGPRQPPSYEAVVGAYLRAPKGGNLSAVARSAPGSFSALAGAVAALYAR
MVAGDAAIDVLGGLDLEASCDCLVDGK
>comp11072_c0_seq1; 292 215 682 LEN=2122; translated
MVTFNESEPPSSSSMMDSETNEYSLQEIDAKYGKPSLEPDFSYKVVGR LSRWEGGNTTPYQ
VEEKEPETNVQIDHGGTEKMSFC AFIKQFFRPCYDLTEVTIEDISRVKIMHDRFMGDAQF
SFNYSTLLVIASVIAGVGLGGDSSASVIASMLVSP
>comp11072_c0_seq2; 292 215 682 LEN=2269; translated
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VEEKEPETNVQIDHGGTEKMSFC AFIKQFFRPCYDLTEVTIEDISRVKIMHDRFMGDAQF
SFNYSTLLVIASVIAGVGLGGDSSASVIASMLVSP
>comp11072_c0_seq3; 380 215 1456 LEN=2015; translated
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VEEKEPETNVQIDHGGTEKMSFC AFIKQFFRPCYDLTEVTIEDISRVKIMHDRFMGDAQF
SFNYSTLLVIASVIAGVGLGGDSSASVIASMLVSPLMGPVTAIAYGTSIGDLKMVRIA
IAI TEAVSLAICILIGCIIISGSMIQFRVGEDWPTNEMSSRTTWENFLCGIPIAFFSGLGVA
VGLLDSQTNLSLVGVAISASLLPPAVNAGMLWIIIGHAIDDQFRSQGTISLFLTIMNIAV
IIVA SMLMFRLKETLPIEKSI F WADLGIARKIYHNVAIIPQIQDAPDEKEIRKRVTKFF
PRAST MMASMP TNFAESSSFD PASQTS SQKKKVEWNVNATPSETPLNTSKMASIVET
>comp11072_c0_seq4; 309 215 1198 LEN=2162; translated
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VEEKEPETNVQIDHGGTEKMSFC AFIKQFFRPCYDLTEVTIEDISRVKIMHDRFMGDAQF
SFNYSTLLVIASVIAGVGLGGDSSASVIASMLVSPLMGPVTAIAYGTSIGDLKMVRIA
IAI TEAVSLAICILIGCIIISGSMIQFRVGEDWPTNEMSSRTTWENFLCGIPIAFFSGLGVA
VAVG

LLDSQTNSLVGVAISASLLPPAVNAGMLWIIIGHAIDDQFRSQGTISLFLTIMNIAVIIVA
SMLMFRLKEVRDFQACTTTLTSFLLPHE
>comp11073_c0_seq1; 321 210 998 LEN=1108; translated
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PGGVDNGTETPTTKPALYITARP NRPNRPNVPRAILDGSRGKPPPVLAARYENPGFPPEFQ
SDKDLTPEGAGIENNGSSSGTFWWSTDDLVSARWDSGIAATRSPEDLVGRNVWKRDET
TGSFVLP LQGRGSFGKFATKKS
>comp11074_c0_seq1; 314 94 963 LEN=1312; translated
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HSAPSVGLSEPWRIVRVNSEESRLAAFTNFQEQNTKALEGYEGDKKQKYASLKL SGMKEA
PVHLAIYCDDGTIKGSLGAQSMPEMRRYSVVSAITLFWLAARCVGLGVGWVSILDPVRL
TKDLGVSSDWTLVGYLCVGVWPEEDNSTPELERHEWENRTGINDLVIVSA
>comp11075_c0_seq1; 578 388 2375 LEN=2375; translated
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EDALDEERKRVEDYLNPSSEAKILKVVEEIELEKVETV LLEKESGCRALLQNDKSEDLQ
RMFRLFSRLENGLNPMANILQSFITDMGEDI INRRKARLDGGEKDKNDPKFVKSIMALH
EKYLDVVKKDFQGNLSLFQKALKDAFVEIVNKNVGQFTNAELMSTFCDRILKSGGEKLS
EVEINLEKIVQLFSYLTDKDMFAE IYRNQLAKRLLSQRSTSDDAEKLMIAKLMQCGTQF
TSKMEGMLADLAVGSDQRSEFETRMRSDTKLDFSVQVLTTFGWPTYKSPEISLTPEMTK
CIEVFKEWHDNKHQKRKLGWVFSQGNASVRGVFKKTYDIQVTTLQAVALEAFNDGVTMTF
EELSRMLNLRDILKPLMHSLSGKYK VIRKNPASNKINATDSFTANRKFVANLRKIRIP
MASLDSTMNKKRVEEDRSIAIEAAIVRIMKARKTLQHQQ LISEVLAQLNFFNPRARVVK
CIEKLIEREYLSADNSQVYNVSLRFLDAEMGLNCGGIAHVADSHLIFLSLLSQYSIS
NPX
>comp11075_c0_seq2; 613 1 2463 LEN=2688; translated
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SIFGPKEYVAIYTTCYDMCTQRAPYNWSQQLYQRHGETIEQYLN NNVPALCDKKGQGGT
ILLMELKHRWQNHQIMNKWLKFFFTYLDRIYVVKHHSPLTLHQAGLRCFRNTVYDEIKEDT
TGAIHGLINEEREGR IIDKSLVKSVELYESMGMTLDAYNDDLRLPLLTFTREYYARKR
EDWINDSTPDYLIKAEDALDEERKRVEDYLNPSSEAKILKVVEEIELEKVETV LLEKES
GCRALLQNDKSEDLQRMFRLFSRLENGLNPMANILQSFITDMGEDI INRRKARLDGGEK
KNDDPKFVKSIMALHEKYLDVVKKDFQGNLSLFQKALKDAFVEIVNKNVGQFTNAELMSTF
CDRILKSGGEKLS ESEVEINLEKIVQLFSYLTDKDMFAE IYRNQLAKRLLSQRSTSDDAE
KLMIAKLMQCGTQFTSKMEGMLADLAVGSDQRSEFETRMRSDTKLDFSVQVLTTFGW
PTYKSPEISLTPEMTKCIEVFKEWHDNKHQKRKLGWVFSQGNASVRGVFKKTYDIQVTTLQ
AVALEAFNDGVTMTFEELSRMLNLRDILKPLMHSLSGKYK VIRKNPASNKINATDSFT
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LAQLNFFNPRARVVKK CIEKLIEREYLSADNSQVYNYLA
>comp11075_c0_seq3; 649 561 2438 LEN=2663; translated
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EDALDEERKRVEDYLNPSSEAKILKVVEEIELEKVETV LLEKESGCRALLQNDKSEDLQ
RMFRLFSRLENGLNPMANILQSFITDMGEDI INRRKARLDGGEKDKNDPKFVKSIMALH
EKYLDVVKKDFQGNLSLFQKALKDAFVEIVNKNVGQFTNAELMSTFCDRILKSGGEKLS
EVEINLEKIVQLFSYLTDKDMFAE IYRNQLAKRLLSQRSTSDDAEKLMIAKLMQCGTQF
TSKMEGMLADLAVGSDQRSEFETRMRSDTKLDFSVQVLTTFGWPTYKSPEISLTPEMTK
CIEVFKEWHDNKHQKRKLGWVFSQGNASVRGVFKKTYDIQVTTLQAVALEAFNDGVTMTF
EELSRMLNLRDILKPLMHSLSGKYK VIRKNPASNKINATDSFTANRKFVANLRKIRIP
MASLDSTMNKKRVEEDRSIAIEAAIVRIMKARKTLQHQQ LISEVLAQLNFFNPRARVVK
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>comp11075_c0_seq4; 578 561 2548 LEN=2548; translated
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NPX

>comp11075_c0_seq5; 542 1 2573 LEN=2573; translated
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>comp11075_c0_seq6; 649 388 2265 LEN=2490; translated
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>comp11076_c0_seq1; 837 159 2201 LEN=2277; translated
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>comp11077_c0_seq1; 626 1 4086 LEN=4086; translated
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RVEIWYNSKGGVNHQGS PDATQLIEFHQIGADGTSKKQGY SVPVIPS RNHSYRISL TNGN
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CAADV PNKVALGCFRDGGCHYLQGE EYPYDGFCTYKTYGNI ILEV PNDPSPAPPVPRPT
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>comp11077_c0_seq2; 108 1 212 LEN=347; minus strand; translated
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>comp11077_c0_seq3; 209 149 1804 LEN=1804; translated
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ADGTSKKQGY SVPVIPS RNHSYRISL TNGNLPNDWVIEFSDPVI GNRWSNDELYLDVAGR
NCGNGLITSQH DRKYIWGGDLFSGYLNDKAWFEHGACVSGSNQPPVEDQINCDSTS RSE
LAGVIQATQCPEKCPNGCSNNSYCDCGTES CQCKAGHVGSNCETDLCAEADCGEHGSCSA
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>comp11077_c0_seq4; 439 1 4434 LEN=4434; translated
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GGGSI SASSVQSKCNTDTIC IPEGTTLKMDGNLNVGALVVRGKLEWTSTTQSSMNQYLC
GGYIVVEINGYFEMDLNSNTKYGWIYIKNNGAVHPELRSR SFGTFKVRHSNENPTMEVRG
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FHKMGECPECLFKGNAIENSQQRGI I VHGTHNTRVEDNVLYNIRGANLYLEDGNEMWNTL
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DVPNKVALGCFRDGGCHYLQGE EYPYDGFCTYKTYGNI ILEV PNDPSPAPPVPRPTPSP
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>comp11078_c0_seq1; 367 1 1038 LEN=1182; translated
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RQSAFGASPF SFGMMGSRSPFDDPFFSGMGNPMGSRRQSNMFGFGGGFGGFGDDP
FAMNGMMNGGNGNTMSSSFTMSSSSLGMGGGVSTSTSTTTTRIVNGRRQSVTETVVR
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>comp11078_c0_seq2; 475 141 1231 LEN=1375; translated

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GHQTAGGTDGGGPGPQFRQSAFGASPF SFGGGMMGGSRSFPDDPFFSGGMGNPMGSRRQ
SNSMFGFGGGGGFGDDPFAMNNGMMNGGMMNGNTMSSSFTMSSSSLGMGGGGVSTSTSTT
TRIVNGRRQSVTETVVRKPDGTVERRIETMGGAQERXATVRFQONPAASWNTPVVVRSTGD
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SPH

>comp11078_c0_seq3; 475 223 1313 LEN=1457; translated
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SPH

>comp11079_c0_seq1; 444 160 954 LEN=993; translated
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>comp11080_c0_seq1; 312 174 1358 LEN=2012; translated
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CPKASESDMVEEILQKTEQAHL EANTGVPLLSVFNPNLVDMGVTFGFMAGRMLRERLLD
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>comp11080_c0_seq2; 385 1 1092 LEN=1746; translated
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AVDQDEKQCYIEVLQNNNGKEPGASGSGDDDYKGP IVRVYFPDEGNAALAKRDWTQANGVD
MPSCVRF GACGGIRSIT EDLSRDVLIFFF CPKASESDMVEEILQKTEQAHL EANTGVPLL
SVFNPNLVDMGVTFGFMAGRMLRERLLD GLEGTYYLRTLQWGALTRSWPRAYTLWEENE
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MRL

>comp11081_c0_seq1; 456 463 1978 LEN=2074; translated
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DPMPVLVANSNVKHSIGGGEYPVRVAQCKAATEALQKVNPEIALLRDATPEDVEAARES
MDKVSYLRRARHVSTENERTLRAREELERGDWAEV GALMTASHASMRDDYAVSCDEVDALV
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>comp11081_c0_seq3; 277 1 1070 LEN=1439; translated
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AAGSAAPDHASNTATPPAAAAGENQRRPRKGRKKFVPRTA AVRLTEAARTLFRRLLAHQ
KPPRAGILLDYQQSSSQPRMVFSFRFVASEDELHENDEGVSLEVVEVETRDPDTGESTL
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>comp11082_c0_seq1; 407 120 1421 LEN=1495; translated
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KWKSPKHLHLYLVTNCGAIDQRNQHGNFMIGLYAMKLAAMAFQADFTFRCKEIQQKHSVI
WWLQSKDNAPTVEETE EGN YDNSVNNSLFI PALPTPGIACRGMGHVALHYTSEFVRNDFRA
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IITAPFSERKIRPQDHGSGSKCQILVSELVDYLRSHYPSAEIRVRNDPSESIPEVLSRLV
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>comp11083_c0_seq1; 365 201 1106 LEN=1314; translated
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RDLHLHLYGRGWRAAVEAVAAGATDGAGAYLRAIEDMASGAELAGAAFCLWGALVIGGGAA
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>comp11084_c0_seq1; 767 152 2017 LEN=2338; translated
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VFPFGSKVKCKDGRRIVPRTRERKQENVDEKTC SNKANGLVPSEIVLNGSSGKRRERSNSS
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VILCDGKDCHRAFHMKCVHPAVKPEEIEENEDEDWFCPICSNLAELMGEIHDLCVSNEHDE
DASSNSWDDVHDVFPGSQWFEFETATKYKLGKRNEDTQRLLSMFLGDEIAKNKVQMPIGSD
SEDENDYSLFDEDSFQERRRQERDEESSDDDSVCSSQATLQEMDDIDLKVGKAELAALSE
EEQSESEESDDESNTDIRRSRLVKQKEGEEKMPDNGADFDEANIILGKRRRTRVNYRK
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>comp11085_c0_seq1; 103 422 586 LEN=586; translated
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>comp11085_c0_seq2; 103 462 626 LEN=626; translated
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>comp11085_c0_seq3; 103 147 311 LEN=311; translated
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>comp11086_c0_seq1; 829 704 2089 LEN=2148; translated
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PDQALSDLRATLSVDTRDDSESGVGRGKKSRAQRWTSKGDPPKPPPLDPTGSKLAKSF
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>comp11086_c0_seq2; 829 598 1983 LEN=2042; translated
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PDQALSDLRATLSVDTRDDSESGVGRGKKSRAQRWTSKGDPPKPPPLDPTGSKLAKSF
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>comp11087_c0_seq1; 356 143 823 LEN=1080; translated
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GYFQSTSFEEQVMASKGPITFYDSVTGKPLFVAPINRSPQQFVEESKIHWPSFRDEEVV
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>comp11088_c0_seq1; 230 574 1935 LEN=2009; translated
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>comp11089_c0_seq1; 936 329 2173 LEN=2502; translated
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ANAMVTIPCIGVDINKEFIDFCKTQHPHESCEFFVADALKLHEWWIEEGHAERFHKPLVI
CVNNTLNIMPHELRRGGVVDQMIAVAGSEGLCMVSYWNGNYFSHAIMNYYKKNPQLCGEFE
VHKHVDWKQONMLVTPNTMTHWQTPLEVQKLLRSYDVPDVAEDDLTKTGSPIRCD
LAIFFVWFDRTSTSNAGGYDSDDAQNFYSQIWGEDELHVGRYDLLSEDEIKGLSDQEQIR
RAEELHELELVKKIRKCCLEEDAVSRNHGLRVVDMGCGFGGLIRRFYAEGLVWKATGCD
ISHRMCAKARSNAELGREDTSTLEVLAECLQMSLGDSEADVVVSVDSLHVGPQR
LAVAEAARMLRPGGWMIFSDIMQEEVLRSNEDMQPIYDRINLTKMGTVSNYKSALEACGF
TNI SADLHSENVSEHYGHVLKVTEEKGASIGLSEQYLAKAEAGLKVWKEKSHGNIAWGII
CAQKTSKVDSLKVH

>comp11090_c0_seq1; 483 405 1596 LEN=1618; translated
MLFSSVVLRRLGSASSRARMGLRPLPAMAASGTASGTTTLPASARVRNYGSTHPSFADSP
PSTMDTMESGTKMYMSLYPEGSTDGGLRLGNIVPDFSAETHGPIESFHEWKEGKWAIF
SHPADFTPVCTTEIGRLALKHDELKEMDCLVATLSVDPVKSHEEWLRDVAHCENDIEVN
FPIIGDSDRSISTAYGMIDPGTSDDQDLPLTIRAVFIINPENKMLTLNYPACVGRNTDE
IVRCVKALQLSYEKSIATPANWPNNHADIPLSNGERTTEYKGSVFLLPVSKEDADANYP
DYHTCEVPSEIPLYRLVKTEDVDPLYFLALRRAALYRAAPHRTVAGILRHGLVPPFRPARL
GEAPFRGGAPSRRSIPRFVATAIGRLAPSLFYFCTK

>comp11090_c0_seq2; 291 1 1082 LEN=1104; translated
RLGNIVPDFSAETHGPIESFHEWKEGKWAIFSHPADFTVSNKTSRCSEEQPRTSAVVA
SAMPVCILSDRLTNSFFVSFVSCGFRLPPAVCTTEIGRLALKHDELKEMDCLVATLSVD
PVKSHEEWLRDVAHCENDIEVNFPIIGDSDRSISTAYGMIDPGTSDDQDLPLTIRAVFI
INPENKMLTLNYPACVGRNTDEIVRCVKALQLSYEKSIATPANWPNNHADIPLSNGERT
TEYKGSVFLLPVSKEDADANYPDYHTCEVPSEIPLYRLVKTEDVDPLYFLALRRAALYR
AAPHRTVAGILRHGLVPPFRPARLGEAPFRGGAPSRRSIPRFVATAIGRLAPSLFYFCTK

>comp11091_c0_seq1; 709 11 1865 LEN=1952; translated
MTDLGTVNNPRKKAYQHYIAPDCPQLNTNMPNESPHTPLAYEYDFRASAVLWFLVPA
LGGFLFGYDIGGTSFVVVQLASMRASSLSLKDSPIKTGWIVSSPSAGALLGTAFLMYLES
LRDVRDRDATNRRRSKRRWPAPIGRTELRYSGILYAVGGILQYLSAFSPETTKSLFSPF
FLLSLGRWIYAGIGFAMHGGPTYLAETMPPSVRGMVVGKELAIIVGILVGFVAGNALT
RVDGEDAGWARVYASTLLASIGVIGLSFTIPESARYLVGRQQEELCANSSESSATDPL
RGETEQERTTRIVSTQVLES LKFWNPSAALSEHRKLMAIFHRQLQQQQQRHDEEESP
SLWDPYVRPALRAGLGLVILQQVTGQPSVLSYATPILARVPGLSGNASVILAIKLLATS
VSVVLVETRGRKTLTVGC SLMFAALLVLTFAFSEQAATGSFDDDPVPSELDARSILTL
GMFAYIAGYQVGFPIAWLMISEVFPQSVRGKAVLAVLANFALNAIVQFLVPIILRSTLG
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TAHEERVQLLSTSTPV

>comp11092_c0_seq1; 467 74 1423 LEN=1554; translated
MIYQNQIRFWIIVSVVIVGGCQSLALLTSRTLSSVVYHPLPSATSDRTFYHLHSSNPLY
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ALVASFSGDSPLEMSGLHWNNAQDFHSLFDWQPTSFRLTEGIIAAIPLIGLSLIESDN
RSASKMNFATIDMVISLFGRRKSEMPTASASLQVMFLSALIAISSGVSEEIIFRGYIPT
VMSSVTNSVLLALFGQAALFSIGHLSQNAHPEENKMNLLIQSVIGLWYGAVYLIAGDIL
PCVIAHVLYDMHTLCETWTQVNNQIDYTSQENSMKCFIEDEAHAAKLLESETGIKLNTEI
NFARHFFYAFDNDHVGSLSLSDCQRAVSYAFMNDITPEPEVVCDFRQARDRRQDDDRV
VDVHDRLSFSEFLHVLVFLRSNSRYSR

>comp11095_c0_seq1; 570 96 1859 LEN=1978; translated
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AAEQLRKANWFSGLIEADVLLPDTKEEFKVRQVLDANVVVAFNMKDDDLSTFITG
IFNERKSESSGEKEFCQFALDCEGSKSLPSALCGPYDPQSPSISALLPWSNDASGKRL
EEQMMDLFGRWTSDDFTYALMLFFNQYVAPIDVVKHSIDATWEKGPVRNAQEFYKMSKC
GDCIGKCVQDENCKECLDALTAVDTSQVASYRTIVSYESELLRDFSYCILQKNNIFGCD
AKIPTLPEVTPMSTFRGEPLTKEVARQILIGHLDDENAESSLKTDISWKVSAGANVAYD
QFPSONQIFYNVSDGRSMWYDPVFRVETIDGRNVWAKRHRYVRDGIKPGTFRFVLDNGV
TSDEFWTLVDVADDLSYVIFHYAGAAAVGQRYLGGLLCTSDGSLPSESEREKIKPKLR
SAGIDPWELFIVDNSDES DGAIDAGPPPLDFYRKDILEKIQASRFIN

>comp11096_c0_seq1; 341 92 1456 LEN=1636; translated

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EPLPSTISPIVPTENPPPILSVPIPATSAPTSPASPGTKILNI PRVGYSFYKTAPDKAER
CAALALRS GTTHL D L A T Q Y E S N A E I G K T I R T Y L K S G R K K L A V D E K P E L L D L L D E A H R Y Q T
TRMELEYGRKRKENARRRRRENLFISHKLSNKEQSTDPDKIRQAISIAIDALGVDYLDMVS
IHSPLTSSETRLATYKALINLQGGDSLSP L I R S V G V C N Y G V G P L K E I A A A G L P L P A V N Q L
ELSPFH THSDV V D F C G K N G I A V S C A A W S K L S G A N G P S E Q W D V L S R V A M N K R L T K A Q V M V R
WALQKGYICVPRSGSGSKLERVAIAENSYGGGLVLRNGKIPISPGGIEDAMLTPEEMKIL
DGLNLNYKAGKLGRTD GWSEADMTGPNWDPTEIS

>comp11096_c0_seq2; 341 92 1456 LEN=1650; translated
MILSNGFLLAPLYLMLLMTGPSELSPELGRRDIAIQVAAATAGAAVLAVKPSDAKAVG
EPLPSTISPIVPTENPPPILSVPIPATSAPTSPASPGTKILNI PRVGYSFYKTAPDKAER
CAALALRS GTTHL D L A T Q Y E S N A E I G K T I R T Y L K S G R K K L A V D E K P E L L D L L D E A H R Y Q T
TRMELEYGRKRKENARRRRRENLFISHKLSNKEQSTDPDKIRQAISIAIDALGVDYLDMVS
IHSPLTSSETRLATYKALINLQGGDSLSP L I R S V G V C N Y G V G P L K E I A A A G L P L P A V N Q L
ELSPFH THSDV V D F C G K N G I A V S C A A W S K L S G A N G P S E Q W D V L S R V A M N K R L T K A Q V M V R
WALQKGYICVPRSGSGSKLERVAIAENSYGGGLVLRNGKIPISPGGIEDAMLTPEEMKIL
DGLNLNYKAGKLGRTD GWSEADMTGPNWDPTEIS

>comp11097_c0_seq1; 235 1 405 LEN=525; translated
SPSATPSIAPTLPVTPQAPSHEPSAIP TSSPSEAPSEAPSESPSRSPSGTPTTMVTTWQPT
TFQPTTVPTEDPTSQPTTFEPTITAQPTTWQPTVLAQARIDGDESADEPDQKKNAFEFDY
NVDIPKLNRYIDP

>comp11098_c0_seq1; 149 1 818 LEN=1212; translated
QLDNDAPTCRLEQSSPLSSQRFVVSPI SGWRANKGAKFYEVFDVNAAYQIXKEGRKEGRK
EGSDDHWFARSKTMDNADDVSADDANR FCTGMFMTMSMGGFQSTFFSGGRAGCISFLFTD
FRLDNSGKFFFAMLC TFFF AVFSEGMSCCQSKVGNYYLLGKPKYFRKTIMALLYGIQQCF
GWLLMLISM TFSIELFASVVLGICAGKALFPIDTPATGLRRIRRGTDGSQSFGNNTSSNS
IDRFSEEEESTGSSPSPSAGGSSTGAIRRRR

>comp11098_c0_seq2; 172 697 951 LEN=1345; translated
MTFSIELFASVVLGICAGKALFPIDTPATGLRRIRRGTDGSQSFGNNTSSNSIDRFSEEE
ESTGSSPSPSAGGSSTGAIRRRR

>comp11099_c0_seq1; 348 1 1655 LEN=3008; minus strand; translated
XNIGTPQSVGQKPLTWPRQVSALVDLPNEVGIDHPKAQELFPADAIARAREIKRGLGGHG
SGAYSHSKGAACFREDVLSFLRQRDGEVPTDIEDVFLANGASAAISHLLTALVSDPGGE
SNRAESSRVE SNRRVFSGRRCVPSNRQKNKQPRGLLASNRVRDAAVVSSXPLFFFLFFLS
CFRFGVGLGVDDAVRNGSIGLSCLVLQCISFFLVVCVCFFLIWIPIRSGIMIPTPQYP
IYSATIDLLGRRVGYLDERNKWNLNLEELERSLKEAREQGTNVVGVFLINPGNPTGAV
LSREAVRDVVRFC SRHNLVLLADEVYQENVYDEDAEFYSCKRAAYDVGFLGSEPGTEAIE
LASFHSTSKGVFGECGRRGGMELTGF DQTIKDQLYKLASASLCSGLNGQCM TALMCRGP
SPGDESYESHEAEKTAIFESLKKRARI VEEGLDAIPGFSCQPAQGS MYCFPSVELPQGAI
DRAREEGKTPDTLYALSLLERTGICVVPASGFGQEAGRYGFRTTFLPPEDDMARSVEAMK
VHHQEF C E R Y S

>comp11099_c0_seq2; 668 204 3338 LEN=4410; translated
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IATAAVMIAVQAIQIYTVESTWFPMAIMQCVAIVFYQLQIVCIYAYLPDMARDVGESKMN
GFSKNFQQVQFGSQAIFLVVIAAIRISLKTDFVVTGQISQGLNTFSSLIFFSVGWLK YMT
PREALRVL PDDHGCLL TEGFRENWKTAKSIQTNYKRGLRWFYAVCFSEASAAAITSVSV
VYLSDTLTL DSTETAIFYTITLIGTLPGSQFGLVTTKTNPNTSYKLSMGYIFVALMVG
LVLEPLPTWCAYI WALFVWGWLGWYYPVENLFFSMTLPKGREAEFAGFFVLCTQILAMIP
PAIFTVMLTYEVPQKYGI IATSSFFVAVLLMCTASWDEIVEEAKTPIAVEPATDEKEG
VEELEALGWLGLGLNGIGSFI MAYSTYTFVHTYHLPNRTHAKACRHHRYSCIHSNSVI XK
SKANXTTILLFVAGVNDCSFSLFSFVGGTSGAMLCLFWFSNRRTARTTHSLESCIRQRQ
PHGSVDHRLACNATEEIDSIPFHPLHPIGALRCRNRPRDRSHQTPPTHPPQTNVAATGRS
EGLAQLANEPTNEPTNQPAXLARRHRAGAPAHSRVGSILRTVDSFRFASFRFLAKASLAV
PFAELLVVDLHGLDGRHVVLRRQKGGPESVPAGLLSKAGGRDDADPGPLQOREGVEGVG
GFPLLP GPVDG PLGELD GREAVHGALGRLAGKPGDGVESLLDDPGALLEAFEDGGLFGLV
GLVGLVAGGGPPAHEGRHALAVESAAEAGRGELVELVLDGLVKAGELHVAPPAPALPKDP
LAGRVEGGELDGLG PLG LASEETN VIGGPLAAVELGVLVVDVFLVDLVGEEDEVVPGAEAD
DVPDGLPGQDRPGGVAGVDEDKADDVRPLFPGLLEGA FQLLEVEVPFVSLVEVVADPPAA
QEVDRAVDRVLRGGDHDAADRPN

>comp11100_c0_seq1; 317 594 926 LEN=948; minus strand; translated
MPLYDEIEIEDMTYDPETLMYSYPCPCGDRFKIYLQDLWDGDDEAGCESCTLYIEVVYDE
EDLPLPEDDSDDEDKDENENENTEKASSGKASSLDEGDVCKSLGKLSVTTQ
>comp11101_c0_seq1; 830 207 2246 LEN=2431; translated
MRSTVSENVLRLLCLTASLGHTFAFSATPSASTNRASSITSSSSSLGVSIGMGPEQSVVEE
EGEGKKKELVAGVDYEVDPDHEAFRTSRRSKLDEQCDQWFGALLGDETKSGVLGPLADDAR
ETLLKPVPLINEEELPTDHEEWTPYVATKLPWTPPLTPAFGLEQYGLPIPRRNAETWRHFD
VSGMINQDYSGSCEDDGEPLKLEEEVATYREKLEKGGSWIADDACQARLVYINGRFAPQ
LSMENDLAGNLGKIDDSVSDEVKSYLSRLTDGFTDELATPVP IGEDMYC S SYKKLGGADH
CLGEPFSQFAINTQQGTACFAALNTRLTCGVAYVRVPDGHDAENEERKPVMLNAVTNNG
GSASGCEGMSFHRSLVVAGENSRLSVVQACVDLDDGSDHIPKLYNGFTQMFVKEGANVT
HSFLEESGGMVTGVEKNDDSFEDDEPTARSVEAERPAMKDTMHECVDVQCIGDDSSYEG
TVMSVGGSGRIRIAHSVSLKLPRAHAKVYGFFLSGGAQRDCKTNIHHAGQGTTSSEQIQK
NMIGGRATGAFRGRIRVEQSAQQTDSQQLTRSILLSKSRAWSVPSLEIIADDVQCTHGA
TVSDLSEELFYLRSRGLDTSLARLLMYAFAADVNCVNDAMLT SVDSKGLQKRLIER
LNNVVPQGDRAIQGEFQSV
>comp11102_c0_seq1; 1063 328 2832 LEN=3180; translated
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RNLYTGMVEVTPIECTDLPEDDDTIEKVASGDGVDACL MCAVVEGSLWKEDLTVLDKESN
HNGIFSLSGSAHVGRSRTAWANVNVNKSNA SKRKTGRGLPYHVPKAF LKPSKAIWPEDER
PFYLYVQDPANVRLVVTLYDDDVI GDG SVISSTSVDLRELMPKVG GDLVETIKNDVIRSL
VEKARATGEAPQIDASELNNKIADAI RDTVEQDYKWE GELKMTTKPKLENKNGQMAAGAA
AGAMVAGPIGAAAGAAF GAFYEGPAKGQAKLRLRYLPVPPSAPPKTD RYEV LGGMPGITW
GELYEKKLRRERDDNLVSEELKTLGGS DLEFCFFINH DQTGATVGVYRSLEEK RIVVSFRG
TCQPIDLLTDASIFQVPWVEGDYDEQFLKNVDHENFPMVHVGF RKSMDSISRRLKTLVLG
SVGEGESISDYEV LVTGHSLGGALATLFTADIAESGIDAGRSLPQKAPSE PWWKGIAS TL
GGKKNESPLAPPKAPPRPKSLKMYNFGSPRAGNSAF AKQFDGFL EKG YIDESYRIVNSQD
I IARVPRPTGIMNV DYEHC GKT VLI EEQATDPIWIEGESDFERIDPVRD VRSVTKGILSE
GMLLDDL VKAANSMTTPGESDGENQADGGESSGGGNSVFSQMKGVADRLK KVDMSDLTS
LVGIDKSYSTRELELAQSFLKGESLAH HMEDSYLGMGRAVGYNTTVGEEIVRV
>comp11102_c0_seq2; 936 970 3200 LEN=3548; translated
MMRNPMKSNANEXYKSKGMNVAFVSSAFTRNLYTGMVEVTPIECTDLPEDDDTIEKVASG
DGVDACL MCAVVEGSLWKEDLTVLDKESNHNGIFSLSGSAHVGRSRTAWANVNVNKSNAS
KRKTGRGLPYHVPKAF LKPSKAIWPEDERPFYLYVQDPANVRLVVTLYDDDVI GDG SVIS
STSVDLRELMPKVG GDLVETIKNDVIRSLVEKARATGEAPQIDASELNNKIADAI RDTVE
QDYKWE GELKMTTKPKLENKNGQMAAGAAAGAMVAGPIGAAAGAAF GAFYEGPAKGQAKL
RLRYLPVPPSAPPKTD RYEV LGGMPGITW GELYEKKLRRERDDNLVSEELKTLGGS DLEFC
FFINH DQTGATVGVYRSLEEK RIVVSFRGTCQPIDLLTDASIFQVPWVEGDYDEQFLKNV
DHENFPMVHVGF RKSMDSISRRLKTLVLG SVGEGESISDYEV LVTGHSLGGALATLFTAD
IAESGIDAGRSLPQKAPSE PWWKGIAS TLGGKKNESPLAPPKAPPRPKSLKMYNFGSPRA
GNSAF AKQFDGFL EKG YIDESYRIVNSQDI IARVPRPTGIMNV DYEHC GKT VLI EEQATD
PIWIEGESDFERIDPVRD VRSVTKGILSEGMLLDDL VKAANSMTTPGESDGENQADGGES
SGGGNSVFSQMKGVADRLK KVDMSDLTSLVGIDKSYSTRELELAQSFLKGESLAH HMED
SYLGMGRAVGYNTTVGEEIVRV
>comp11103_c0_seq1; 230 250 861 LEN=1245; translated
MARPPQRSSVSSMTSSSSSSDRQLHVSDASF EFLMTEVLR YVERSTPPKSESPEDAIFAK
EMAAAKMERMGYSVGFRLCERLSQNRLFSAGGKDPSSVAAAQLEAVKFLCKEVWIEVFR
KQIDKLQTNHRGVFVLKDMKLRWLEGLPANRENSRITAIQMLAFPCGIVRGALANLGI PA
VVSCDFLADGQNMAACSFNVKIK
>comp11104_c0_seq1; 599 1 3248 LEN=3389; translated
SDIASGAHPDPLDSSKSTSNDIRSGFDGIAFASVSASSIVSSDRTPSALLGSSKSGSGSA
SRASRSASRSASVSASAPESKSSGITLNDLETNAASPPPVS S SDPTQSATASRSTPES
LFARSSKSTPDSFFGRSSKSTPDSFFGRSNKSTPDSLFGRRSTATPTIGAVSESTTVETF
YGRKSNASSSLSDPVSAVAHDSLFSATTRTDAPDHRSDAIHSFSATTRTD RDSTHQHEIS
TIQDASSERRGTTTTSSSSLSNHTSEAVHDSSKSTRTASRSGXKASVPSSSPSDPLSSSG
GVGSSKSTIQDISTIPDASSERRFPTSSSSSSKLTDPDIFTMVQDSSSSSENKYLSTST
SSSNPLSASAVAPDSNESVSGKAVFSSGSP LDSLDRMLS DSDSMSTTLENSSPFKMASRIL
EDIEEQTAEGRSSEGVDPDTSENTKEGSVSL LHKHQENTGLPSLQRDTQMAFEKV VETI
ISYVGASGAPPNVSP EQSTVQTRDRSGGTDDRSGLSDLKLFQSNTPGSLNHSATGSR SRS

SESRHRAARGSRPDRYPSDSSTSRSDASIGPETHRDARTLRDRQKIRSQAPSTKRD
KASEQGS RATPPRPKSKHVDSQRSSRLKPRLQRHSSSGPVTQRQKPHPPRASAPRDP
RQSGGSKMAKRKPI TRVGDCLSKPSSRRSRPKRLPMEVDATKENKRNNDFRKPARRKSK
PERSRVELELLRDKNRDELKVLNARQFDKAVDPKSPIAASFHSDRIPDPLYFGKSI
FLKDCDCGLKAKAKIHSTINNEGYKALVVRAYIKLFEVRPRIRYFLSPAEWLHVHMLLL
YARILDCELHFYGVIVLPRDFQITIPDVTITFEPIAAVISSIGIEDEDMGVITYIPVPSY
QGDQVFRPHDKDDVTEFLEWTDYDWNLSWDQVEKGRIERRRMAAEKHIRIPTTDRQFDST
KLEEWQQLAVEKWLGWDEDLWFSYNQACFVLSRIAHFVPKPIDEQKRGSYAWLLPRHIND
RGAFVRIKPNITPDSWMIALMLDMCALEHSAMATWYYETNTVDDVQHTIDRFVDAAIKI
IS

>comp11105_c0_seq1; 570 141 1616 LEN=1732; translated
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SYDENTEMLSPWSSFRDSDETDSLIFSSGSSWDSYKYTDLRYTMI SNLFFFV GACIQTY
TSAASLKSTQAEWQLDDSDWDDDDYVPTVADRAWYALYVGPFLYIINACIDIRWNMEY
LTWATLWSTLCSFTRNSDVS PHNSTAQNLSYQRIEDVEADADGEENNTISTIESSSTS
SADSSHACWQVVAMIFGTGAVFEFYSTFLDDYYEDQDDGWDDDSYLISMESKRKWFVSN
YRIGFIGMHLYLLSGLIELISQRNSYRSRCQVGCGRKISCTNGVDESPSRLSSIRVAHY
LMFLGTILFVCGTILDCTMAYLSDPDIRHYLDPTKEVLWDVNEMTLATSDLISSLLWNVD
AILYIMADILLFDLHRGDSKGWKLFGNFKRHNYYTDDRIDGVAFLSEFEENRRDDNQGLL
YGSTTNNYSTI

>comp11106_c0_seq1; 51 183 1156 LEN=1156; translated
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GVEGVINMCEEWRGPLGEYEKLGIEELYLPTTDHFEP SQEDLIAALSFLERYRARGKSVY
VHCRAHGHRSGAVAYAWLLARGCPGSLADPKGVNXEAAAGAPGRPGGPLEAAQVGP
GADQKGKARGPERRVPGGEEGKRQEDELSTTQRSGGAGYDETKGKETNTADAGHSAERSRA
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>comp11106_c0_seq2; 72 183 1172 LEN=1172; translated
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GVEGVINMCEEWRGPLGEYEKLGIEELYLPTTDHFEP SQEDLIAALSFLERYRARGKSVY
VHCRAHGHRSGAVAYAWLLARGCPGSLADPKGVNXEAAAGAPGRPGGPLEAAQVGP
GADQKGKARGPERRVPGGEEGKRQEDELSTTQRSGGAGYDETKGKERKGGKETKHNETPGTA
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>comp11107_c0_seq1; 493 260 1886 LEN=1908; translated
MTIINERTRTNRRTDPYNLYSNTDVDDVYGHLDQQRLLAPSRSGFSLTGEEGFFQHIHL
DLFPSNVEEEDNDDSGENRRKTNNVTFNPNSSSYSEGSRHNRVFRRRVFLFLTEPSSSLF
SAFFFFCLIFAIALSSMIMIMQMSFFQYTPTKCHFCGSATFDTNYYNDDEISEYNDGSN
DNYLVECECPPRPSMYLERILNRILQFFAVEWTLRVLSYVPAHPKENVLGNFGDWLKYLA
SPATLIDALAIWPHFMERLHVPGLISLRLRLFRVQQLRLGSYNSMFVSLTTVLSKSME
FLKLLIVIVFFGATIFGSLMYWLEQGEWKYWEPTGNFYIRM RIDGETEEISPFTSIPTA
FWWFVVTATTVGYGGRKNEISIHLSHSLTIVFAFM LSLVALDYPTSVAGMWVGTVAML
TGVLVVAFPVSVFSEIWSKELKQVHGLQSLFRESNASGSDDENGND SNENFERECKDRGD
RRRLRDQYQPIYSEPESSRNSTRVIMDSEDLNDILSSIYTIQQEQRHIQKVLKYYVHK
E

>comp11107_c0_seq2; 366 260 1015 LEN=2150; translated
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SAFFFFCLIFAIALSSMIMIMQMSFFQYTPTKCHFCGSATFDTNYYNDDEISEYNDGSN
DNYLVECECPPRPSMYLERILNRILQFFAVEWTLRVLSYVPAHPKENVLGNFGDWLKYLA
SPATLIDALAIW

>comp11107_c0_seq3; 366 260 1015 LEN=2065; translated
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DLFPSNVEEEDNDDSGENRRKTNNVTFNPNSSSYSEGSRHNRVFRRRVFLFLTEPSSSLF
SAFFFFCLIFAIALSSMIMIMQMSFFQYTPTKCHFCGSATFDTNYYNDDEISEYNDGSN
DNYLVECECPPRPSMYLERILNRILQFFAVEWTLRVLSYVPAHPKENVLGNFGDWLKYLA
SPATLIDALAIW

>comp11107_c0_seq4; 540 260 1801 LEN=1823; translated
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SAFFFFCLIFAIALSSMIMIMQTMSEFFQYTPKCHFCGSATFDTNYYNDDEISEYNDGSN
DNYLVECECPPRPSMYLERILNRILQFFAVEWTLRVLVSYVPAHPKENVLGNFGDWLKYLA
SPATLIDALAIWPHFMERLHVPGLISLRLRLFRVVFQLLRLGYSNSMFVSLTTVLSKSME
FLKLLIVIVFFGATIFGSLMYWLEQGEWKYWEPTGNFYIRMRIDGETEEISPFTSIPTA
FWWFVVTATTVGYGDIYPTSVAGMWVGTAVMLTGVLVVAFVSVFSEIWSKELKQVHGLQ
SLFRESNASGSDDENGNDSNENFERECKDRGRRLRDQYQPIYSEPESSSRNSTRVIMD
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>comp11108_c0_seq1; 273 227 1093 LEN=1171; translated
MTGRVIDIGIVHMFADDCMASGPCSEKEIRPEMDVSDIHPNGNGEHASDSVKKMNGSFL
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KSDANTANLDGGDRGTMSCKMKDQPAKSSKGRRLGFATLTVREYPRVLGDNVCMIGAPIS
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>comp11108_c0_seq2; 273 117 983 LEN=1061; translated
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>comp11109_c0_seq1; 478 1 1255 LEN=1473; translated
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>comp11109_c0_seq2; 236 1 640 LEN=673; translated
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>comp11110_c0_seq1; 462 77 1177 LEN=1508; translated
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LVALYRCIILEGNYHYLDYLTRTCPMDCKSDKPGNSLVPPAPAPTAPAPTEEPILATGIT
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TVEINSFAYIAPDWIIPTPVGESEYDPMTVRVGDTLTFAWSGGTHDVYIYPFGGCDRTDKI
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IANGMP

>comp11111_c0_seq1; 743 113 2590 LEN=2993; translated
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VGENVYATLSFLGVGGPFLTRRAVATGCLPFFVGLSCFLPNLRSMPVFMTLATVLMVSGF
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>comp11112_c0_seq1; 324 414 1535 LEN=2504; translated
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NGQNSIRNLSGYRAFSLRGATYVSRCPDFPSKRTKIVMLSHCNCGRDVPEWAVRAAVGVL
APIKPF EI IHRIDVGI R KARN ELEMAEEKQNANSVMTTDTSRSCRPAQMAQMGYACFWPN
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>comp11112_c0_seq2; 303 414 1554 LEN=2523; translated
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LLIDQEDVEVLTPH SKICWSQS KLLFIQPRDFV TYCRHRWLKDG TQLITNQACDHPNAT
LNITG SNGQNSIRNLSGYRAFSLRGATYVSRCPDFPSKRTKIVMLSHCNCGRDVPEWAVR
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>comp11112_c0_seq3; 281 414 1058 LEN=2636; translated
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>comp11113_c0_seq1; 1026 1 4021 LEN=4439; translated
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VQNELEIIADHDRAAILSLWTLALAKKIEPYQPWFQAAAMTAFAKESNVTRMND SVTIAS
CVVTTAHGSPFWIFEKEFQLCKLRSEALKLDAHAQESFCTQM QVEDIQLELEKSMVEKD
DDMFV LHTWV LSTAYIVQCDISLVFGCYLTASKTAQMCQRLCQMIMKRASFRVKKSDNWM
SVIATSTVLTRASQRYIQVLFRRSNLQYRLGDHRKAIAYMRSVLEYL KIDPDSLTLKERH
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CSSSSDDENIRFSRLYLSKALLHSTSGSDIFRRNVLRSLALAQGPKNNDGIGNSAGILVL
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NNLQATQKRILPALES LASHKWDWDGRVGETPPVSFFSEGLSKKYGLMMYFGHGGAQVC
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>comp11113_c0_seq2; 1059 1 4090 LEN=4508; translated
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LIAHVDDSFVDCLIESFH EESTGNESMFQTIHPID SIRLLLLDFENI IDDERRLVHIFSVL
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ASASLV PDISRSMRKN AFHSDHVF GFDTPLVNTAMSI TKDCLEQLKLSVGFNRNERTSGLL
CESLRITLLSLLVMLQRRLRETDCFN DLT ECVSVAEAI VSSENEIDSR SIRWTIWTITI
VQNELEIIADHDRAAILSLWTLALAKKIEPYQPWFQAAAMTAFAKESNVTRMND SVTIAS
CVVTTAHGSPFWIFEKEFQLCKLRSEALKLDAHAQESFCTQM QVEDIQLELEKSMVEKD
DDMFV LHTWV LSTAYIVQCDISLVFGCYLTASKTAQMCQRLCQMIMKRASFRVKKSDNWM
SVIATSTVLTRASQRYIQVLFRRSNLQYRLGDHRKAIAYMRSVLEYL KIDPDSLTLKERH
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SLALAQGPKNNDGIGNSAGILVLTSIGQSIRRKLSYSFDQDRESHEGESLRNLRDVF SFF
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KNKVEAKAQYCEKSDDPGTCLFLILDENLHRFPFEGMPVLEAKTVCRVPCLSFVLATLCE
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>comp11115_c0_seq1; 281 82 858 LEN=1231; translated
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RFYVCPYAVHRTAELGSGFLFLQSDRTLRLDSPYIPKDCTGRAIVRSVLLHFLTLGFEFDS
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>comp11116_c1_seq1; 131 113 628 LEN=628; translated
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>comp11116_c1_seq2; 144 113 595 LEN=734; translated
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>comp11117_c0_seq1; 1232 271 3140 LEN=3537; translated
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GMQSADNLS DDEKSFLFLVCSQTSMSIDRVMQSI SPSAAPVISPNPSSVSPAPTGIASSP
PSKAPVDDGPPVEEEVIVSYSIGIKGVDTTFEDYSEELVNAMDSLAPT VLVQEMSRRLRV
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FVTGRQ GKNDREA EELLP AQADHLTLDKNGKNEPSQAKLTLN TKDANIVDSSAVDPAKPK
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TTLPLISQESSARTEHIDTSDALNLPVTRDDLSAIEAGDWA AVGATAALLAAASDS
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GKGQVSAAKATAKSLGTGEIESPLKKS NVKETLSGTGDQKERSKDTQSALEAAIEAGDWD
AVGEAAA ILTDTNSLT SADTDEINKYADGVSTDGSSAAGSKNLADVADELEELIEAGDWK
GVVQAASNKKGTSNDNKVESNETRRMRRLKHLQEEQEA LAQAEIWT AIAEQSRQESDTRD
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>comp11120_c0_seq1; 790 111 2354 LEN=2533; translated
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ANDRYANPKKQ QSTEQR LGDALPVPDMDL DLATLETNCSTKEFWVDEMVEGGAFSCLQE
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GAPLRRVLC SAISLRNGHNPM LCRNREETR RQDEQNPTTTK VVKENQIGTIVNHDEEAP
NFFVEVEARREHL DGVRELEEIQAE NDEFEE DIAIARTASLVDEDSAFMESSNGGMNRNN
VLKHAFLPPLGQSDNSETFSLSSKLVKNIISGAKATN NESKNLQSMDSVSVFDNGNIAS
RLPIMNSDQGNRDFQREKMDRQDKLMSEMVTDRVLAMQVDNGIISDSILRDKDEFMITQT
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SSFDRVQSKNRTSIVPTKQKNKSRSRKTYLDTTRPGDSVVRKTYWEESDIGYFRRVDSAS
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>comp11121_c0_seq1; 254 1 1034 LEN=1348; translated
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NGYENGFANYDPQSASGDLYEREPGMFEESVQDRHDKW RSAQMEKYANLTPEQELNPRDE
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>comp11122_c0_seq1; 278 77 1138 LEN=1441; translated
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MNIRYKQGS SLAGSSARS GASYNDRQLQEAIQLSLVE SGHRDRLVDQSHGESEDEILRRA
LEESRLEAARMESRRKSEGEPTTRGRIQRKSSTTAKPSPSSHSGHQKQPARNQPKSRPC
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>comp11123_c0_seq1; 492 385 1365 LEN=1431; translated
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>comp11124_c0_seq1; 228 1 642 LEN=1016; translated
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>comp11124_c0_seq2; 224 608 946 LEN=1320; translated
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>comp11125_c0_seq1; 697 434 4267 LEN=4538; translated
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>comp11125_c0_seq2; 738 434 4016 LEN=4287; translated
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>comp11125_c0_seq3; 640 434 2147 LEN=2147; translated
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>comp11125_c0_seq4; 721 434 4137 LEN=4408; translated
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DDFQTDLVGWEIMNRSSNHCDWEGIECENPSLLDGEDPPTGPANNTNRPVSVVGFQINGFSL
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GVERVLLGTNRLGGTVPAPMVASWARHPAADETIVGSGGLETLDLSHNGFEGEFPFRALLA
TATDLEALDLSHNRVGVLPNDVGGRAQLLRDRGTNKALVAASEACASGDDESSSGEPE
GDRKNRCLHRTLAAKDGGEVTTDGMGKKLGDNLNLSFNFTFSGSLPEQWMEAFPGLTSWNLS
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LVFLKLLDLEHNEKGTIPHEFLAGLSSSLEQLALGKNLLRGNIPSTIEKMTKLQSLDLH
GNDLTGNLPTMRRMQPDLKLNLTDNSLIGTVPKIFCGRGAMSSSLLFRQSGCDAILCPP
GTFHPNGAASLYSGRCPPTREGDDPSSAKTLGRLRCGENSSKTTFFVHGDNLNGDGVLT
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VPAHECKGIPAEISKLRTRAVLTMNRRQFLRGTMPTIEGALTKLQYLDMSNCPMTGRLP
SEIGHLTQLKYLNIIGCRFNGTIPEELFELSGLKHLHLSMNAFTGTISTSLRKMTNLKEF
LLSRTYVNGTIPEGIGQLSLENFEMYGNQLLGTIPESLGKCKNLKRIGKSGNHLGAVDT
DPHDEFRRNLLTYLSVLNAHRLIVFWSSDLFNNKLTGKIPESLTTIKALQILHIKLNHLT
GTISSGFRLPALSWFDVSTNHLHGTIPGSFGNSETLKDFRLGGNMIHDPKSLCSNA
NINGGLTKTYGCSGVICPLGTYSDPGHATHSDGCKRCPDGRTTIYLGSSRCVELTDDDIL
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>comp11125_c0_seq5; 714 434 4146 LEN=4417; translated
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GVERVLLGTNRLGGTVPAPMVASWARHPAADETIVGSGGLETLDLSHNGFEGEFPFRALLA
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GDRKNRCLHRTLAAKDGGEVTTDGMGKKLGDNLNLSFNFTFSGSLPEQWMEAFPGLTSWNLS
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VPAHECKGIPAEISKLRTRAVLTMNRRQFLRGTMPTIEGALTKLQYLDMSNCPMTGRLP
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HLTGTISSGFRLPALSWFDVSTNHLHGTIPGSFGNSETLKDFRLGGNMIHDPKSLC
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>comp11125_c0_seq6; 776 434 2497 LEN=2668; translated
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GVERVLLGTNRLGGTVPAPMVASWARHPAADETVGSGGLETLDLSHNGFEGEFPFRALLA
TATDLEALDLSHNRFVGVLPNDVGGRAQLLRDRGTNKALVAASEACASGDDESSSGEPE
GDRKNRCLHRTLAAKDGGEVTTDGMGKKGDLNLSFNFTSGSLPEQWMEAFPGLTSWNLS
HNKMTGMVPNEIWKLTFLERLDLGHNRLTGEIPSEETISRRGDSARGHDPRPMSGGSWS
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>comp11126_c0_seq2; 190 146 415 LEN=588; translated
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>comp11126_c0_seq3; 487 146 1576 LEN=1969; translated
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SKAEGKILDLYRKEIPATGGDAVASNPKRVGGRPRLRVSRSIIKDREIEEIDTSWKDGR
LYPKRSSKIGKKHQVSSLPRAGTFENKSVDPNRYELIWNWKEAAEKGMLNFIENVPSN
KREKALELMHKSNIYVSNIKGFSEQIDASNLSQWTKTDREKFHEEIFRSRKNFKSVLQNM
GKTNMGDVIAAYLGHYKKSDDYRLLKAVRSQEREKANTHAVDHCAICGEGGSLLICD
GCESEWHMGCSKPAKAIPEGHWECDICVDRKFLEGRKRILENVKMNATDQPSGKREKLG
LHQGSDIGSKRHDQSMPTSFPPDVFVDFVIKDFSRNVNSILSTATITLKSEEDLISN
>comp11126_c0_seq4; 178 146 532 LEN=532; translated
MNTTEDTKTDVINSNGSASTNGKTGGESGPVENAKVKNKEAILTGGMGYGRKKRQALDAF
WSILWPGLEKIGWKRVSNTSSVYKCNIVGEGSDEGSMIFLPPGIIAMRRGKRNIIEYFDR
IKLVIEFLE
>comp11127_c0_seq1; 447 145 1559 LEN=1818; translated
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LALKFVYGDSDAPILENRVQGTQALSQTGGLRVFVFGELMRKHGHKHIYVPNPTWGKMTNKX
LPAELAGSSAQCFLLHSHNSPFPNGNHIPIFTNAGLEVRKYRYYSSENSDLDFAGLIDDIK
NMPEGSIVLLHACAHNPTGMDPTMEQWKEMSDTIKKHKLPPFFDCAYQGFASGDPIDAA
AVRMFVEDGHLISMVQSFSKNFGLYGQRIGALS SVVGRDEDEAKRVVSQMKMVI RPYM
SNP PRQGARLVTTILEDPKLTQDFLDQCKGMADRINLMRSALKNSLVEVGSTKNWDHITKQIG
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>comp11127_c0_seq2; 464 145 1470 LEN=1729; translated
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LALKFVYGDSDAPILENRVQGTQALSQTGGLRVFVFGELMRKHGHKHIYVPNPTWGNHPI
FTNAGLEVRKYRYYSSENSDLDFAGLIDDIKNMPEGSIVLLHACAHNPTGMDPTMEQW
KEMSDTIKKHKLPPFFDCAYQGFASGDPIDAAAVRMFVEDGHLISMVQSFSKNFGLY
GQRIGALS SVVGRDEDEAKRVVSQMKMVI RPYM SNP PRQGARLVTTILEDPKLTQDF
LDQCKGMADRINLMRSALKNSLVEVGSTKNWDHITKQIGMFAYSGLTADQVMKMRDVH
HVYCTADGRISMAGVTTGNVDYIANAIHDVSK
>comp11127_c0_seq3; 142 1 326 LEN=585; translated
XENSHDVSFCFRINVEDFLDQCKGMADRINLMRSALKNSLVEVGSTKNWDHITKQIGMFA
YSGLTADQVMKMRDVHHVYCTADGRISMAGVTTGNVDYIANAIHDVSK
>comp11127_c0_seq4; 330 276 902 LEN=1161; translated
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GLYGQRIGALS SVVGRDEDEAKRVVSQMKMVI RPYM SNP PRQGARLVTTILEDPKLT
QDFLDQCKGMADRINLMRSALKNSLVEVGSTKNWDHITKQIGMFAYSGLTADQVMKMR
DVHHVYCTADGRISMAGVTTGNVDYIANAIHDVSK
>comp11127_c0_seq5; 330 263 889 LEN=1148; translated
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GLYGQRIGALS SVVGRDEDEAKRVVSQMKMVI RPYM SNP PRQGARLVTTILEDPKLT
QDFLDQCKGMADRINLMRSALKNSLVEVGSTKNWDHITKQIGMFAYSGLTADQVMKMR
DVHHVYCTADGRISMAGVTTGNVDYIANAIHDVSK
>comp11128_c0_seq1; 956 1 4173 LEN=4252; translated
HSLEMDVTEEEQDEVFDGGAIRRRTRDPVSSDLVIRLRTTYSTLEATEVSFSRVAYGASK
SDHMRLEAQLGNERGRVTKLFDDETVVTLMSPKHIDSFIEGGKSFDMTKGLSISQHDE

NLNESQVHVSNNVLEKTADNPEKLIIDIEMPGSQTPMSEFNIGMRMKSAAQVVLAPCATVTP
TLAAFRCRTSPRNFSTTFGGIETTPDFESVPKALQAGLEPITEEDDPAQISCPGSDLDD
DADEIAPEKRDGSSSPYCTNDGIFRGARNIVKLEFSIRQGCSDRRKAQVSRGQYVYETIM
VLWLQAWSNYVSNLPQNSENGVAINFLGQGVIGNTFSMFYLQIDFILPMLLKSIVILRCSQ
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RVDSTHKVRSIWLCLFVYILQEAPENLVREHIRKYSNPSDFKIHQFIRLLRLGSATFQSF
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LLLHLVLTTPQSTVTHLRAVGGAIQAFEKFGAQMFLETTGGHFQHWIRVIVGLMNSVALSV
RSIAVDFVVSILCGVFDLNGNIEDVTLIFATVLPVAREIALCSVNGLVKKLEDAEKSI
WPLRRSFADIEDANPLDDDRVDPQLLPVLTFCRASQAIIDGVLVEMRLRGTGCVVVGT
ILPENRQKYTFDADEESLFEAANYFTPETSPMQRLRWLLTLKSLHESKGQWVEAAETLIM
SARTISDAIPHLNYIWRPNRFLSWSDSRRSLWLSTVGEEIGNPERGNAQVMTFANSFLEP
EGLTTTDEVSQNLELSRPTLQHICSLLSISVSKEAVDMYSQEGGTDALAYTRLESLLRIVM
SVLDGQETRALQTRGLGLNAILQRKQYVEDVTLRKYIASITGDMTKIAEKLLVVAKDET
KSSKSTTSQNETQEILIEDNRYVRLLSGKKPRRFEESTSLPTFLEWDSPCICRVPKGV
IEEALKSKSRNSKLSDRAICEAFCKSIRNGLLQDLDATELVFATGTPTTKDASPDVTYIN
IDIVRTDSLSETGLQNGSGPNLRRFIYSKPCDTQQGVESKYVQMTVALPFPCPLSRQRS
MLTNQLVSSD

>comp11129_c0_seq1; 214 1 866 LEN=1493; translated
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FYVLTQSVVFGLYLMLVRQVRKTRQFEGSKTSEISDNASCSTHEVWSFRIAMGLLCISK
RYHSIFLLRLFNDGPTMLVAYISFWCFMENKWNLCGFVFLAVSLKMNVLFFAPGLLYLL
IETSPIMTIPRLAICGVTQLIIGAPFLARYPTSYLKAFELDRQFFFKW

>comp11130_c0_seq1; 183 179 472 LEN=733; translated
MANLLVSLAVLGSQQIGRAKDPVKYLLSTEQRARERQVAYETVRLLEDVIECYRSSGVN
HYTDCKEINQKYFDLVTKKDMGQLHPNWKNNPEKHDGW

>comp11130_c0_seq2; 213 206 574 LEN=835; translated
MSPPSANPTTGKTHVAEKTKLHEGGSLKPYSHEELGTSDDIGRAKDPVKYLLSTEQRARE
RQVAYETVRLLEDVIECYRSSGVNHYTDCKEINQKYFDLVTKKDMGQLHPNWKNNPEKHD
GW

>comp11131_c0_seq1; 301 137 1042 LEN=1257; translated
MTQSSISLSFLVLIGCALLAVNAELTPFYDFQTTYSDSRKSDGIRNKIDTNSMDPEQRQ
LTSLRARNLAGRYGSRNGGKHHGHKGADYYECESEFYKSHKKDKKSKKDKKEKHHKHDK
KKCKNVTGKPIYDDDAVEKPKPPRPDRPYKDFMRFIMVREEAGSPAAGDFGVGDTLALNG
QIYYWEDYDDNLMSDVPVGTFTVTLCTGISEAGDDLCTYEIVLGLLADRTRNGNRKNGNA
GNTKTPIQSVGAFVANGPNYVSENYMIVTGTETEFAGYQGTMTVTTEDLVNPLYADLYL
A

>comp11132_c0_seq1; 220 131 953 LEN=953; minus strand; translated
MIPPQQKTDPSVLSFCVFFSSGGIQRQPGPIATIPLCLDGASVSVSITIRLLARSFVRS
FGARLWSTRHLACLRLRLLLAALLPAVQVEKALVALPGKLLGADGHVVREGSLGPVVVL
LDGQVLGDHREAAGDADDDGDPDPGPELGPLLVGLVGVGRQDLLLVGDGPDLLMASAC
ISASVPALGTVWTQRVLVVVVFVPLGGAFETESALLPPATVRRRTARLLARLFAAARDM
VVLMLPMEQSRSRVFDSTLWVLLACWNATVQS

>comp11132_c0_seq2; 206 104 604 LEN=913; translated
MSLAAAKSLAKSLAVRRTVAGGRSALSLSVSKAPPRGTTNTTTNTRWVQTVPKAGTEAEM
QAEAEQIRARIAYQKEVLAANPHKSHDEEWTELWTWIRISIIIVCIPGCLAMVAKDLAIE
EHHHRPEGPLPDYMSIRSKEFPWECDQCPFFDLNCWKKCRQEQQSA

>comp11134_c0_seq1; 439 472 1835 LEN=1835; minus strand; translated
MDRCQQHTNDGNDGCPSEGGKANNESVVRTASQCHGHILRWVCLSGSGGKQWLDAAEKQNE
SSITTCFRGQSNRTIGLDTSVGEQWLHVRTSVRDSLSADTTDLESVNNNDNRNRDGEIIPM
SNHVPSPRRSPSQFQSQTEKTTQESSQLSLLAYLNQPESEESRSQMTEQEPPSLPIL
DVLPNRERRNKTSHCHHHQGGNDLLSSHAFLEPVPFIPVGVNQERVLWTVKDRSPLAE
EPQSSSELEEYAVELWRSNQASPFWDETGETAQMQATHVPLPRRRLIALSHGDAIRIRV
QTTTTTHTSKRTAGSSEEVHSPSQSMPTSLADRSPLAQDLATITVQYFESEAKAKETSPA
TTRISGLAAIEAEASPNQRQGGSTSAPAGVLTGTAKNDQHQTAKASKAATRFEDQPNTFCG

TTAGTPTTNTAANPMNNTVRSASPRQCQRTASTA

>comp11135_c0_seq1; 526 201 1646 LEN=2553; translated
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LRKIGITAGTVPDDFKLHRQMKKIFNNRREQAEKGEIDWGTAEALAFGSLLEVEGNHVRI
TGQDVQRGTFSHRHAVVKDQDTEQDYTPLNHITKRMDPSCPKEEMSGPDTQAGFICRNSI
LSEFAVLGFELGYSLENPNALVLWEAQFGDFVNGAQIMIDQFISAGEDKWLRSGLVMMLL
PHGYDGGGAEHSSCRLERFLQMVEDDPHVVPEFNKDERMQIQKHNWQVINCSTPANYFHC
LRRQIHRDFRKPLVVVAPKNLLRNRRCVSTLDDMGPGTTFKRLIPETNPDISENPDQVKK
LVFCSGQIYYELLAEREKRDVKDVALVRIEQIAPFAFDRVAESAAYQNAEVIWAQQEPEK
NMGAYSVNSRIMTATREINGNEKRPRYVGRPVSAAPATGMTLVHQAEYNDILNGVFDEE
K

>comp11135_c0_seq2; 1070 161 3307 LEN=4214; translated
MSKILLASHRRLFTRSMRIGKKTIAKHRNDTRWASACFSTQIEEEEVPPLESFLNGTST
LYAEQMYEMYLEDPASVQDSWRTYFENEANEVPPFDSNDFNKPTSVPGKRSAAVAGGAAPS
DSLAI SHLIRAYQVNGHEAANLDPDLDFNDESFPYRPKPGADGYPSNLEIEYYGFSEEDL
DRKLLFKGRSSGGQRGYLEDLAKAPDKVTLRILGELRKYCGTLGVEYMHIGDPDKMNW
IRQRMENPHWNQYDKEKKAHIFERLCFADTFENFMAYKFNTTKRFGLDGGEAVVPLKDA
IDRASELGATSFVLGMPHRGRLNVLANVMRKPMPPLIFSEFAGTHYSIDEHYKGDNDNHGF
SGDVKYHLGSSMDRTPDGRRIHMSLVANPSHLECVNPLVVGKIRAKQYYQGDREPEDVRN
VVPILLHGDAAFAGQGVVYETMQLANVKDFAVGGTIHVIVNNQIGYTTNPINSRSTPYCS
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QPKLYKKISRHPALQLFEKRLVNEGTMTPPEEIEEIKTFVMDSYENDLEASKTYQKSEDD
WLSSKWAGFKSPTQMSRIRPTGVDIEMLRKIGITAGTVPDDFKLHRQMKKIFNNRREQAE
KGEIDWGTAEALAFGSLLEVEGNHVRI TGQDVQRGTFSHRHAVVKDQDTEQDYTPLNHIT
KRMDPSCPKEEMSGPDTQAGFICRNSILSEFAVLGFELGYSLENPNALVLWEAQFGDFVN
GAQIMIDQFISAGEDKWLRSGLVMMLLPHGYDGGGAEHSSCRLERFLQMVEDDPHVVPEF
NKDERMQIQKHNWQVINCSTPANYFHC LRRQIHRDFRKPLVVVAPKNLLRNRRCVSTLDD
MGPGTTFKRLIPETNPDISENPDQVKKLVFCSGQIYYELLAEREKRDVKDVALVRIEQIA
PFAFDRVAESAAYQNAEVIWAQQEPEKNMGAYSVNSRIMTATREINGNEKRPRYVGRPV
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>comp11135_c0_seq3; 395 201 1058 LEN=2738; translated
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TGQDVQRGTFSHRHAVVKDQDTEQDYTPLNHITKRMDPSCPKEEMSGPDTQAGFICRNSI
LSEFAVLGFELGYSLENPNALVLWEAQFGDFVNGAQIMIDQFISAGEDKWLRSGLVMMLL
PHGYDGGGAEHSSCRLERFLQMVEDDPHVVPEFNKDERMQIQKHNW

>comp11135_c0_seq4; 401 201 1292 LEN=2638; translated
MTPEEIEEIKTFVMDSYENDLEASKTYQKSEDDWLSKSWAGFKSPTQMSRIRPTGVDIEM
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TGQDVQRGTFSHRHAVVKDQDTEQDYTPLNHITKRMDPSCPKEEMSGPDTQAGFICRNSI
LSEFAVLGFELGYSLENPNALVLWEAQFGDFVNGAQIMIDQFISAGEDKWLRSGLVMMLL
PHGYDGGGAEHSSCRLERFLQMVEDDPHVVPEFNKDERMQIQKHNWQVINCSTPANYFHC
LRRQIHRDFRKPLVVVAPKNLLRNRRCVSTLDDMGPGTTFKRLIPETNPDISENPDQVKV
SSY

>comp11135_c0_seq5; 395 201 1058 LEN=1753; translated
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TGQDVQRGTFSHRHAVVKDQDTEQDYTPLNHITKRMDPSCPKEEMSGPDTQAGFICRNSI
LSEFAVLGFELGYSLENPNALVLWEAQFGDFVNGAQIMIDQFISAGEDKWLRSGLVMMLL
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>comp11135_c0_seq6; 939 161 2719 LEN=4399; translated
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LYAEQMYEMYLEDPASVQDSWRTYFENEANEVPPFDSNDFNKPTSVPGKRSAAVAGGAAPS
DSLAI SHLIRAYQVNGHEAANLDPDLDFNDESFPYRPKPGADGYPSNLEIEYYGFSEEDL
DRKLLFKGRSSGGQRGYLEDLAKAPDKVTLRILGELRKYCGTLGVEYMHIGDPDKMNW
IRQRMENPHWNQYDKEKKAHIFERLCFADTFENFMAYKFNTTKRFGLDGGEAVVPLKDA
IDRASELGATSFVLGMPHRGRLNVLANVMRKPMPPLIFSEFAGTHYSIDEHYKGDNDNHGF
SGDVKYHLGSSMDRTPDGRRIHMSLVANPSHLECVNPLVVGKIRAKQYYQGDREPEDVRN
VVPILLHGDAAFAGQGVVYETMQLANVKDFAVGGTIHVIVNNQIGYTTNPINSRSTPYCS
DLGKAFNCPIFHCNGDDPLAVSTALETAVEYRHEWGTDVIVDVICYRRNGHNEMDQPAFT

QPKLYKKISRHTALQLFEKRLVNEGTMTPPEEIEEIKTFVMDSYENDLEASKTYQKSEDD
WLSSKWAGFKSPTQMSRIRPTGVDIEMLRKIGITAGTVPDDFKLHRQMKKIFNNRREQAE
KGEIDWGTAEALAFGSLLEVEGNHVRITGQDVQRGTFSHRHAVVKDQDTEQDYTPLNHIT
KRMDPSCPKEEMSGPDTQAGFICRNSILSEFAVLGFELGYSLENPNALVLWEAQFGDFVN
GAQIMIDQFISAGEDKWLRSGLVMLLPHGYDGGGAEHSSCRLERFLQMVDEDPHVVPEF
NKDERMQIQKHNW

>comp11135_c0_seq7; 486 201 1463 LEN=1568; translated
MTPEEIEEIKTFVMDSYENDLEASKTYQKSEDDWLSSKWAGFKSPTQMSRIRPTGVDIEM
LRKIGITAGTVPDDFKLHRQMKKIFNNRREQAEKGEIDWGTAEALAFGSLLEVEGNHVRIT
TGQDVQRGTFSHRHAVVKDQDTEQDYTPLNHITKRMDPSCPKEEMSGPDTQAGFICRNSI
LSEFAVLGFELGYSLENPNALVLWEAQFGDFVNGAQIMIDQFISAGEDKWLRSGLVMLL
PHGYDGGGAEHSSCRLERFLQMVDEDPHVVPEFNKDERMQIQKHNWQVINCSTPANYFHC
LRRQIHRDFRKPLVVVAPKNLLRNRCVSTLDDMGPGTTFKRLIPETNPDI SENPDQVKK
LVFCSGQIYYELLAEREKRDVKDVALVRIEQIAPFAFDRVAESAKEYQNAEVIWAQQEPK

>comp11135_c0_seq8; 945 161 2953 LEN=4299; translated
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LYAEQMYEMYLEDPASVQDSWRTYFENEANEVPPFDSNDFNKPTSVPGKRSAAVAGGAAPS
DSLAI SHLIRAYQVNGHEAANLDPDLDFNDESFPYRPKPGADGYPSNLEIEYYGFSEEDL
DRKLLFKGRSSGGQRGYLEDLAKAPDKVTLRILGELRKTYCGTLGVEYMHIGDPDKMNW
IRQRMENPHWNQYDKEKKAHIFERLCFADTFENFMAYKFNTTKRFGLDGGEAVVPGKDA
IDRASELGATSFVLGMPHRGRLNVLANVMRKPMPPLIFSEFAGTHYSIDEHYKGDNDNHGF
SGDVKYHLGSSMDRTPDGRRIHMSLVANPSHLECVNPLVVGKIRAKQYYQGDREPDVRN
VVPILLHGDAAFAGQGVVYETMQLANVKDFAVGGTIHVIVNNQIGYTTNPINSRSTPYCS
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KGEIDWGTAEALAFGSLLEVEGNHVRITGQDVQRGTFSHRHAVVKDQDTEQDYTPLNHIT
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>comp11135_c0_seq9; 401 201 1292 LEN=1653; translated
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TGQDVQRGTFSHRHAVVKDQDTEQDYTPLNHITKRMDPSCPKEEMSGPDTQAGFICRNSI
LSEFAVLGFELGYSLENPNALVLWEAQFGDFVNGAQIMIDQFISAGEDKWLRSGLVMLL
PHGYDGGGAEHSSCRLERFLQMVDEDPHVVPEFNKDERMQIQKHNWQVINCSTPANYFHC
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SSY

>comp11135_c0_seq10; 939 161 2719 LEN=3414; translated
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DSLAI SHLIRAYQVNGHEAANLDPDLDFNDESFPYRPKPGADGYPSNLEIEYYGFSEEDL
DRKLLFKGRSSGGQRGYLEDLAKAPDKVTLRILGELRKTYCGTLGVEYMHIGDPDKMNW
IRQRMENPHWNQYDKEKKAHIFERLCFADTFENFMAYKFNTTKRFGLDGGEAVVPGKDA
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SGDVKYHLGSSMDRTPDGRRIHMSLVANPSHLECVNPLVVGKIRAKQYYQGDREPDVRN
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KGEIDWGTAEALAFGSLLEVEGNHVRITGQDVQRGTFSHRHAVVKDQDTEQDYTPLNHIT
KRMDPSCPKEEMSGPDTQAGFICRNSILSEFAVLGFELGYSLENPNALVLWEAQFGDFVN
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NKDERMQIQKHNW

>comp11135_c0_seq11; 1030 161 3124 LEN=3229; translated
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DSLAI SHLIRAYQVNGHEAANLDPDLDFNDESFPYRPKPGADGYPSNLEIEYYGFSEEDL
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IRQRMENPHWNQYDKEKKAHIFERLCFADTFENFMAYKFNTTKRFGLDGGAEAVVPGLKDA
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GAQIMIDQFISAGEDKWLRSGLVMLLPHGYDGGGAEHSSCRLERFLQMVDEDPHVVPEF
NKDERMQIQKHNWQVINCSTPANYFHCLRRQIHRDFRKLPLVVVAPKNLLRNRRRCVSTLDD
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>comp11135_c0_seq12; 945 161 2953 LEN=3314; translated
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DSLAI SHLIRAYQVNGHEAANLDPDLDFNDESFYRPKPGADGYPSNLEIEYYGFSEEDL
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KGEIDWGTAEALAFGSLLEVEGNHVRITGQDVQRGTFSHRHAVVKDQDTEQDYTPLNHIT
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>comp11136_c0_seq2; 942 1 3837 LEN=4259; translated
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TQGIHNYKRHSKTWKSAA SGI RQMNKMKLEKEIVQREEEHDEEEKNKDDTIQGTKGEGGT
TVEEESKAPNGTNSIETEQSSTKNSEKGRKGNIEGRGDSE RQASQETS RQHSKEKVN
TASSVVSSTPSANSSVSSNSDSKRNTSLDRKSGAESLVRSRRQRKQPSLYQPQMCADS
QWKSDEKRRKADHSDSSFESSSEDDSGSSRNSADYVDPKSTKSNSSKTTVRTRKESVL
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SCSSTASEVAGRSQEHMKVKVSRVSGRTVKRASFDHDEVEGEQHLRASKTPQVEENQTRN
GTPKAI VSKSQETRGRHRRQKEVPEKVHEPPEPTRKKQKVEEKAQPRPKVASLGSKTEST
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CTKNGVANTVAVAKKPMI INKAGSQSSSLPPAINTPSVAAAAANAPTKSATTVNETSTISA
NVVQKPTPASKNEIPISSSKPSSTTAVPNYPSTPILDLVALEAAVRALPEPEDKGTCKG
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ESQLAGLEARIKEVGDSDKIVVPAVPPHKRESSGRNRVGRITPPP SLHKRSTITQSSLTIS
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>comp11137_c0_seq1; 393 116 604 LEN=1050; translated
MAETDAMAAARARMI AKRFGGASTSTGGKGSVRRKNKKVSRSAQAQSDAKLGTTLKLLGA
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>comp11138_c0_seq1; 221 129 551 LEN=616; translated
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PHPSEPIVHIRVQTHQPTTALQALQESCETLNSQCEYVLQQLEEKLPVETADSI ALQAKL

AEMLEDEEEEGDEEDVCMEE

>comp11139_c0_seq1; 420 596 1492 LEN=1552; translated
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GSPVVPGSIQLVKQDDDSFLYAVTILKGEYEAGYYEGSEFHPGTYKEFEPELAKACREKR
FVLRDFTWDP SQAMKSQMVREQQLQIEVDGMKSALMRWCKTHFGDAFVAVMHIKAIKRVFVE
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>comp11139_c0_seq2; 467 100 1356 LEN=1416; translated
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MIAGGAAGIEEELKQLTTSFADKQAALVEAKRKS GGNLMKADLNDSLDAETMSKVNVDVDS
EYLKTVFIAIPKTAKENFEFSIESIASDVVGFGGPDWSRDASKLGGPISFGNQIDRHKVVS
GSPVVPGSIQLVKQDDDSFLYAVTILKGEYEAGYYEGSEFHPGTYKEFEPELAKACREKR
FVLRDFTWDP SQAMKSQMVREQQLQIEVDGMKSALMRWCKTHFGDAFVAVMHIKAIKRVFVE
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>comp11140_c0_seq1; 472 269 2090 LEN=2090; translated
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DKETIELPLSSRLIAESNWVDMFLFAAKSRNRDAFAAIAAVLHNCIASLLIKEHENRDIP
FIRDVASNGMLINLLRHFVSAEAITEALDNEKEDSKGGDGLWDSATEWIQLLLSKLAKL
GMFPDMYSCIGAACDKTSPESAPIRILPEQNVLLQCMSREAEAYAMEFTSNNKAENPFGG
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LVALVQFIGNLCYKCKHNQDLLRTTLVPPAKKPVLRVERIREEGNDPIPSGVRNGLHVLL
TCTTHATSCTFLREWGVI AIRNALDDNANNQAVVEELMAQGPVESADLEQAGVRVQLDSK
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RTNIILR

>comp11142_c0_seq1; 143 1 679 LEN=1114; translated
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KTVAITYVDPDGTSTTVDAEVTGLMTVAHENDIELEGACGGELACSTCHLIFDPEIYDT
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>comp11143_c0_seq1; 327 429 1658 LEN=1730; translated
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PRYRLPLTRLKLRTPWYQYLCLSFLDIVPNYLALLAIHR TSLTSATLLQSLTIPSTMIFC
RLLLGKKYQRMHYIGVVL CMLGGGITILT DKGILLSPDRETPQPHSFSGDVLAILAALGY
GVGDACAEFWSKHV NRE EYLG MIGLFGAIWTLIASLLYERDAVLEAFATDYETFLRAAGV
AACVVASLLAYVTE SKFLMKSDATLLNLSLQTQNF WAVLFSVFFFRET PHL P FYVAMIL
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>comp11144_c0_seq1; 439 317 1438 LEN=1923; translated
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PAPDSTALAAAVLLQKQKQKQKQTRPATTREALNFCQPLVARPRVHKI KEVAPTTESSAT
SPAPTPEPRESPPASSAPAPATATLDNIKA AVEAAAPAAIDAYNTAENNAATITAVNAVL
AQHRIAGAAVAQAQTGFPTNP SPAPT PSIPLGGITKSGRPLHALSFPTLVVSTAAGANTSY
VVS NPRYDATYLHGNRPLPFRGPTARQQA IHD AVHS DYKKVYRPLQPPRLPSPQEALV
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>comp11145_c0_seq1; 455 146 1477 LEN=1604; translated
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QLEQDLKELTSYCKQLLMIRRRKQEQRHWELVVEWFQQVASRNSGQLHECLKLRGEILAE
QAQKHRKLVESGGNKS KTSVPSNGVNHGAASVAPSMSATATPLFDSTLFTSPKGSQNTL
GKDEDGKSDSLRQRNKRQPN SRKTPS AALNGSSSNYYRGNTPVGPTSGGYGAVYGVVSAG
GYAGYGGGGYSSGMRQRRGTSYSSLTIPAEQE QEEQKVHSQIQMRERKRQTQORLDEA
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PLI IKTFLIILNFLIVFMRAYRDR

>comp11147_c0_seq1; 740 167 3046 LEN=3156; translated
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IAGSPWAKPPMNTTNRPTPLSIALHTSTLSFLVTVSLVGFLLFVAIWTFTGVGRVIVEI
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YKESLQEVMMPTLNSCIRARDHYRRNSGAKCNIVLADDGMMAYLKNNFAAAEMLWETIVA
TNGKYFKLSQLLQKVPKPSRRHLKGLSSKAVYEVFHRMLYYYHHKIGFVARSTFDRRGKF
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ADARMAESVIKTVPEFLNDKHLGFTQHATKTLDDQRRESYYINMLSSYTDALYMGHFLL
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LCGVQSQVEFLSAFSSAGVLVLSVVCYIIGYTTFLFAMIKMKWSNNKLLFPEYRDHGI
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RFNIGSWGVAVYLLIISYLVVLQDANWNYNEWPENKLETFLFAGPSAFLALSIFYIPVIL
NPFILGWPFNPLCGRQSVKKAADRAATKHVDLNTFMQ TENRLNKEIGRAEDKPDVELG
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>comp11148_c0_seq1; 326 414 818 LEN=818; translated
MKKIHLITNEDIFFDIDGDDSLFGYDSEYGEDGFDYQTDAYSQRTSSPISGETDDFESN
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>comp11149_c0_seq1; 2438 124 4283 LEN=4283; translated
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VPLNEDQASTSTSEEVETTTEPTEKVPLFTSLMRKIGLKKKEVTEQVDQTSADDVEQIEEA
LDAEGVAEEANIVMGTS EDVEEHIISFGESDSELQLQTHKVD AEVTTGDVSES NQFPEE
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SVVTVAKQYYQGAWSVKEFWSKNRWLK KETE EVPLERDYTKIYQKYFADNLQAVDADD
SPREKQDRLSNAFLRPWGTLTKYLKPDREGAES AETSTASYYSIGIQGYIADDAKSETE
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GHIGKEVEADGEEMNQVVAEIEDTEVQVGNIEESADVEDMEEVV DDEETFEAL EDSEVQV
DNDSTIDEDEVGFAEPEADIEMQVSDEIDIAD EEHLOQEVNNEATPTAIEDSELHWDNDVT
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EDFEDDETPE SVEDESEFQDDVDITLDE TDAEVEVDGIYADAEGA EKNVDSEIAITDEEGF
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TTEDHDVISAESSTEEDTVEELDVDISV SIGESDTGGGSLDVVTFDISDSSGVEYSEET
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EDATVDKNVYRLELHREEDDALISEYGQDNIAAAQLE DALAIMGD SPGSDQDDV LLESEC
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DEEEGIX
>comp11150_c0_seq1; 505 341 2038 LEN=2068; translated
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>comp11150_c0_seq2; 220 341 694 LEN=694; translated
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>comp11151_c0_seq1; 548 28 1902 LEN=1965; translated
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KSAEQTKHSPISVSVL NIGCPVRGFHNDK K FDDCTSSSSTLLSPSPDSRAKSDRDEVEE

QTVIEVQYVESARVDRDINFDADSV EENQVPCSNQSKRAKTPLRNRTS IERN TIGDARAR
PLLDVEKTPSGSETKKKSVTPSPLLGCGGYGACLPYCGDTHQFVERKITKFL EDNSVS
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NLAPFAQSPARSPARAPSLFRNRSF SVSDHRS AIARVSTDNKPNRKSFS DVF DLCTLYEK
VDLNSQDLVWKNTDTG SNENDISYSDSPEDFMRRRPTSEAKRPADNNISQSGEGGSPCY
QNSPGRSFLDPHNDEVFSNIVREM FNQTTTLVLHPVSESNTTGQALLQSARPIAVDAWLE
RGQHLAYALI QPKWIWKAKPKINSEGQSSVCQKFCLQGI ELLDITKILKVEETEGVSHSL
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>comp11152_c0_seq1; 264 95 676 LEN=994; translated
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>comp11153_c0_seq1; 394 1 1534 LEN=1754; translated
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TFGSTTKPSTESSIAAVPPLGVSVDGNDSDSKKKRRSVGSDATSSIQTAPT PKFSFG
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GSTPAPAPAVAVPSFGSNAPAPATFGSTPAPATSSGFGSTPAPSNAMNFGSTTPAPVPFG
SASVPAPTSFGFGSTPAPSNTMNF GSSTPAQAPPAFGATPAAPAAPFGTSAPMGFGSSAPA
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>comp11154_c0_seq1; 162 355 1715 LEN=1844; translated
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TLTKTSVSVQPEQFSALFYLAIAQLTSSEHSLDQNKXLTFKIVLTFEPEIDSCIH FAGLK
AVGESVQKPLSYDCNIGGTVNLLERLEEHKVRHFV FSSSATVYGEPEMLPLTESARLSA
TNPYGRTKLFVEEILRDAFASNPEKWNILILRYFNPIGAHASGRIGEDPQGI PNNLMPFI
AQVCVGRPELSVFGGDYDTPDGTGVRDYIHVVDLARGHVAALEKLYTTPDLGCEPVNLG
TGRGVSVDLVLVGGMGKATGKPV PYSIVDRRPGDVAEMYADPKLANDLLKWKAEYGV EEMC
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>comp11154_c0_seq2; 277 355 1482 LEN=1611; translated
MTAGPQRTVLVTGGAGYIGSHTCLELLRIPNEQYKVVVDNLDNSSEESLRRVRELVGEE
LGECGEDRIQFRNCDIRDKEGLDKVLTFEPEIDSCIH FAGLKAVGESVQKPLSYDCNIG
GTVNLLERLEEHKVRHFV FSSSATVYGEPEMLPLTESARLSATNPYGRTKLFVEEILRDA
FASNPEKWNILILRYFNPIGAHASGRIGEDPQGI PNNLMPFIAQVCVGRPELSVFGGDY
DTPDGTGVRDYIHVVDLARGHVAALEKLYTTPDLGCEPVNLGTGRGVSVDLVLVGGMGKAT
GKPV PYSIVDRRPGDVAEMYADPKLANDLLKWKAEYGV EEMCEDTWKWQSTNPGYATET
DEVGLEACEETRATN

>comp11155_c0_seq1; 621 1 2850 LEN=2850; translated
XRSLLIYRNTYSFASGSAKQQGVMASEALSNNHNTALLREEVNEDGSAKKTIAATPTDA
AATLVSLSNPDNDNAAVPPINCAARDQSVTKNLLSGSIAQPSPESTAQTSPSGQKQDPPN
HLTSEDPNKNNLDATENEKDVACVDAPGAISDPNDTSAENSQQHQSQPPSSKPI SDIEKN
QDSFVNQNAVCKDPGLSMQNLPSPLIEVPPSSQAIDVHGNGVNP SGSRVSVVDGVT PG
AVPVSNNVGDASLRGPSLKVLSGENQSESEIAAARTSLLEERGNKIDKDNPDAGKTSK
TQRSKLSPEELTAKIARYLRKHAKQLVRNVDFRENTADMAKLR TYPYSEVPSY YGKKEE
GKDEKTSLEQRKRLARDTQHFP LLKGGKGLQFPMALLCETDSDDPHHP LLLAFVNYWRQ
LKSEKQHNLKALFGHYLHANTSNERFRYVQSKKAEADSKSSPGDTNKKEEGGFRAPPR
STHWGRSLETCTQLADALGFRESC ESEATGLKMACDWLRTANLEAPLVKCKRDDCIYPA
LARNSGSCCRHGFFYFAPQKMYGSKFKRRGYLLMGDIYTRPYVTTTNSNGAKSDARKSKQQ
ESPDLFTIRRLEPCSCGNETCVGLGYSPTMVRVDANKLPKELQQEIWSNNDTLDIEISKK
KNSESVLR LAPWHFHPEHRVALPDGSRVVDFRSSSVFRDPLTSKEWKGVPPPTYSPEAF
LQEATVKEYVARKNDVAKTTDMLPAWCLEYTKLEEGPYTIFEKQRDYLLARTLEMEKEMT
RQAESFWTKQWAQEADTDR LQAKYDEKKFLKRKRPRPSSSTNNNSNNNRNGKESCSSSRK
SRQKLLDVAVNSTLGHHLVDEGNADSGSIFLDTNRHPQDLSDNRRLLP SLWDH HQQWP
FTTTS AAPYLFC AVVRSTFASASAQSPHPTTQQQSASAPSTTVSTPSAPX

>comp11156_c0_seq1; 502 1 1398 LEN=1398; translated
XVYGSCLSGLSLGNADV DLSLTFDEAVADKSKFEKGVSSAKSYNRAVTDTVYQV KRKLE

KKGPNGREVF CGLEAIPRARVPVIKGIYRDAKNPHSKDGS L PFDICLLNDIAVANSGLIK
EYSDIDPRVKSLMIAVKRWTKDKQINSAPDNTLSSYTWMLTIFYLQ CIGFV PNLQCP SL
MEKCN YFENQSKHARQKDNINNLD TAYLRWKQAEKAWKRSQGLDEACSSVATLLYGF F W
FYSREFPMHRHMVSIKRGGAASARLPKTMFPDRCSLHFCIEDPFETYGSHFPHDLGGHAD
EKGALYIMHCFGASEKYLGLILSGKAGDAEPRNLWPPGNQMEGFDRSVSTNGRDLAEQKR
VVSLDVTSEESDEILVHDRVLEMLQPFAARAGSFIIGSTS AKKGT KV VVDFDALEPVI AV
LAAHRQNP FELAGKKLHLDKKHIPEPKPSKKKKKKKNA AAAAGNNNX
>comp11157_c0_seq1; 309 116 1081 LEN=1481; translated
MNNICKSATVNLNVVAFTYGF TATLNVALPKKSLCLMVASQSE DVDRFCKARELVRSLVE
EDKCYSKNSGAI AFGEVCAANCIYEDCFEPQPFV GKRAVTNHVVSKANQRKKGKGVRI DR
ISDGSSACGFAWTWVSE DGKEEGLRGTT FVELNENGEIQYVREIPEPLYKPGDLTLELLK
GVTKDAVAKPPPIYESKTPQSANEVAKYLFYEVQGGDIDESMRLFSDSIIYRDFNYDEVL
RGKTEVRKFIEDFSFPGIEFKPDRFDDGKFSTCFTW DVC LDGQEDSIKGM SFYEIDPESR
LVTYVRGMYCVRVFCMLRFLN
>comp11157_c0_seq2; 351 116 1150 LEN=1405; translated
MNNICKSATVNLNVVAFTYGF TATLNVALPKKSLCLMVASQSE DVDRFCKARELVRSLVE
EDKCYSKNSGAI AFGEVCAANCIYEDCFEPQPFV GKRAVTNHVVSKANQRKKGKGVRI DR
ISDGSSACGFAWTWVSE DGKEEGLRGTT FVELNENGEIQYVREIPEPLYKPGDLTLELLK
GVTKDAVAKPPPIYESKTPQSANEVAKYLFYEVQGGDIDESMRLFSDSIIYRDFNYDEVL
RGKTEVRKFIEDFSFPGIEFKPDRFDDGKFSTCFTW DVC LDGQEDSIKGM SFYEIDPESR
LVTYVRDVPESA IKPPPLGGLARALRPGLGVFQGVPTGSRP GGM
>comp11158_c0_seq2; 154 77 541 LEN=888; translated
MSRSYSRSPRKQLDQLFAFDAGCSLVFGIVAL LAPHNLIRKITSGSYNHSVHETFRLYAC
LRLACGWILWHARA VDDGRFRKHICEALLGCYLLQALAVLRAELTLGRSESWTPVNWVAI
AILSALGGAYGSHRFRGRGNSIKIYELPTGHNLQ
>comp11159_c0_seq1; 461 1 1140 LEN=1254; translated
QQQQQQQNNQQQQQQNGNQNALAGTMVVERPCETDVVFGIETGGEAQKYLGNQMYSRLIR
CNKKRFHTSTTEEK RIRICH SIVAAIKGDGRFLKLDREKGIWGRISDTRAVGLTKMILS
RVEITQPTTETNRVIAPPATITELIDL VGESDEEDNIGN TALNSTPREVKEPSGKKN SIV
KDEKINTSLNSIPRKVKEPPIRKGRIVKRRKVRKSECMTLMAHTLFDLQQRKYPDTVTQ
SEYESIERLAKKKTGLSIHCNISK TAVQKISQSI SIPLEAPP SMLNDATSKEYELNMIDF
KNPKGGV ESSKPTVSLPIATDAPSQSKETIVEGKDSVVDNNTQDDAPSTPAEENVAEQHQ
YSEDKDGDGDYDSEESLVF
>comp11161_c0_seq1; 198 100 510 LEN=933; translated
MARTKQTARKSTGGKAPRKQLATKAARKSAPATGGVKKPHRYRPGTVALREIRRYQKSTD
LLIRKLPFQRLVREIAQDFKSDLRFQGS AVLALQESAEAYLVGLFEDTNLCAIHAKRVTI
MPKDIQLARRIRGERA
>comp11162_c0_seq1; 169 102 1211 LEN=2059; translated
MIRASFSPHSITIALIFCVAVAQSWIGSATT SRTKAPLSAFRRISLLGAHDDSGFGVNEP
DREAGPSSRAVLNRAARAGAVSLASVAVVPSPA GAISEDRCPLDPRCGADGKLREKG
PDGKPIPRVTNRITHVVQLVIDVGERREEVGF LRFGLYGDDCPESVKSLLRFLTPIGITG
VVDASAMENSIGVKSSPVSL LQGGVVPTICPGRGV EFGVPSQKKAYARAMGLREGGDNFV
PQNRPEPTGSEAGARKHDVAGLISIPEQGIGFGSSGGSVDEAYASAFVLTADESASQLYD
NKLRRRVVGQVIDNESMEFLARLASLP IQKKL GSSSDKGPPLLKVTVLDIGVQKVGAAGS
ESSKKT KKK
>comp11163_c0_seq1; 836 358 2739 LEN=4392; translated
MEELEKSGCDERLGREEQTQLKQSAMSSSTTDSTIADNTTNQNKERDAKITSQNEALVGE
DSSLKRS LNRHDFLELDKGPQSTMEHTMSTANDIGRVMSAANGTRNVSNKRLKRGESLDA
IPKTPATPPTSGATMNTTREDHSPNPPPTPPPSVASTATNTSSVAPSEEAATPSIGSGS
MLAKHKDVSSGGNGGWTDDDAYERMPKTP IAPPQSTSSSRVTSRHTAASPLL CAGGVYL
ADVPPAPPTTPAPKLGGNVYRDLGLATPLPYTAGFVQNNANQLEMQQRQNNQRQKQLQEEI
QEGAITPAPHR SQTDTARPPAATGTTATSLSDDFSEWAVGDRYKLCRMLGRGSYGEVAQA
IDKYQGRPDAFVAIKRIVGPFQEVDAVRLFREIHI LRRLRTLGNKNCIVPLLDVVQPPT
EDLNDFHDLYL VFDYVDTDLYKLIMSPQYL TTEHIQTFLYQMLIGLKYI HSGNVIHRDLK
PANILLNEDCSLKICDFGLARIVDEISVARSSSSSIKDKNSGNTSNGDANDSDTAALRQM
KAVKKMAGRSCSISEQCF SYDDEGGVTQPSKLP LTRQLTKHVVTRWYRAPELILIQPYTT
AVDVWSLGCIFAELL SMQEGSVPGYQDRTP LFPGGACYPLSGDADNVGRLDQLNVI FNVI
GTPSNEDIASLGKANEYIKTLKPIKPKSLEDIYPAADSHALDLLHRMLKFNPKERCTAEE
ALNHIFFSGIRREEMETS V GKPMESPEFLNEQEIDIEVLKQKVYNEVLWFRDNQRHL DAS
IQTIRADQQRDTE

>comp11163_c0_seq2; 572 358 1965 LEN=1965; translated
MEELEKSGCDERLGREEQTQLKQSAMSSSTTDSTIADNTTNQNKERDAKITSQNEALVGE
DSSSLKRSLSNRHDFLELDKGPQSTMEHTMSTANDIGRVMSAANGTRNVS NKRLKRGESLDA
IPKTPATPTSGATMNTTREDHSPNPPPTPPPSVASTATNTSSVAPSEEAATPSIGSGS
MLAKHKDVSSGGNGGGWTD DDAYERM PKTPIAPPQSTSSSRVTSRHTAASPLLCAGGVYL
ADVPPAPPTTPAPKLG NVYRDLGLATPLPYTAGFVQANANQLEMQQRQNQQRQKKLQEEI
QEGAITPAPHRSQDTARPPAATGTTATSLSDDFSEWAVGDRYKLCRMLGRGSYGEVAQA
IDKYQGRPDAFVAIKRIVGPFQEVDAVRLFREIHILRRLRTLGNDCIVPLLDVVQPPT
EDLNDFHDLVLFVYDVTDLYKLIMSPQYLTTTEHIQTFLYQMLIGLKYIHSNGVIHRDLK
PANILLNEDCSLKV RMNAQQMIRTG EKKIYIHDGSLSHHKSLVLYTKTDLRLWVG

>comp11163_c0_seq3; 836 358 2739 LEN=4877; translated
MEELEKSGCDERLGREEQTQLKQSAMSSSTTDSTIADNTTNQNKERDAKITSQNEALVGE
DSSSLKRSLSNRHDFLELDKGPQSTMEHTMSTANDIGRVMSAANGTRNVS NKRLKRGESLDA
IPKTPATPTSGATMNTTREDHSPNPPPTPPPSVASTATNTSSVAPSEEAATPSIGSGS
MLAKHKDVSSGGNGGGWTD DDAYERM PKTPIAPPQSTSSSRVTSRHTAASPLLCAGGVYL
ADVPPAPPTTPAPKLG NVYRDLGLATPLPYTAGFVQANANQLEMQQRQNQQRQKKLQEEI
QEGAITPAPHRSQDTARPPAATGTTATSLSDDFSEWAVGDRYKLCRMLGRGSYGEVAQA
IDKYQGRPDAFVAIKRIVGPFQEVDAVRLFREIHILRRLRTLGNDCIVPLLDVVQPPT
EDLNDFHDLVLFVYDVTDLYKLIMSPQYLTTTEHIQTFLYQMLIGLKYIHSNGVIHRDLK
PANILLNEDCSLKICDFGLARIVDEISVARSSSSSIKDKNSGNTSNGDANDSDTAALRQM
KAVKMMAGRSCSISSEQCFSYDDEGGVTQPSKLP LTRQLTKHVVTRWYRAPELILIQPYTT
AVDVWSLGCIFAELLSMQEGSVPGYQDRTP LFPGGACYPLSGDADNVGRLDQLNVI FNVI
GTPSNEDIASLGKANEYIKTLKPIKPKSLEDIYPAADSHALDLLHRMLKFNPKERCTAEE
ALNHIFFSGIRREEMETS V GKPMESPEFLNEQEIDIEVLKQKVYNEVLWFRDNQRHL DAS
IQTIRADQQRDTE

>comp11164_c0_seq1; 639 279 2462 LEN=2511; translated
MNFFCMLLITTAWTSALVSSATLRGAGTGAEAGAGDAALVPTSLHHRRLREGTTCGLFQA
DIEHGPNPMYSEEKWLCKLPQEESRLGGLEYVEIYNSRKI IHNATSGRSAMTVGTAFID
PGNLNMYIPEDTQVEIHDLDT SQYEREQFRSVAESTGVLTTLVIRVIDSKGVAPDASIE
TLEDDVFDSDVCLKSQMEACSYGKLQIEPFGQTE TKVTVKNGVVDIHM DYDMSTDTDDD
TKRRAVQTKSLEAALEQLGELEEDKYGLVMFCMP PGINDWLAHAWTNHRFSFYNNWCSS
VSAQLHEIGHNLGLAHSGEKRIYDDKIGMMGMSYDNKNGPRMCFNSVKS FQLRWYEDKVR
TIDPLSKPSQRFTMNGVADY LKNPEALISLRLEQKAI GQDYIIGFNRRDGINEGTIMDWD
MVTIHRKQNGPYEVTSEKVAKLALGQGYTIRSF DGERDVRIEFIGRNEGDATIEI IDID
NGPINEPVDPIPC EHTIQFKTDNYPTDNLWYI SMRDAIGSAVEVSPKYADPLTTYTHK
VCLKHGGKYNFYIHDLYGDGVC CGQSGGFYKVIDSKGKELISSGTEQFKTKIIA FEVDEA
PGSLPTKAPVPTPTNEPTQAPVPAPTKEPTQAPVPAPTKEPTKAPVPAPTKESTKAPVPA
PTQAPVPAPT KPPKENKKCKDRRGKFRVRKQWGRONCKWYAKNNKCDEKKGRKKPIWQFC
KKACGKC

>comp11165_c0_seq1; 567 61 1848 LEN=1888; translated
MGEAIAIGTRQGQGEESNNDRNCSRDAFRGVARPISLSEEF SHVVKALESTERNLRLK
SHPMLFDRAPHLEVDVVDKIEKERQKKKHRQKEEQ LQQQLQQQPGGAMVSTAAPIKATISK
DTLTASLKRLLLKGVFKMDHLMIPSELSPTFRFESILTLDVSHNELTDL PGLSLFKNLQT
LDLNRNWFNTLPSEIGMLNELRTL VASRNFLRPNTQSLRLESRESARHLETFDLRYNQK
CGRPFHRDRVQEELLPLKPTIQMTLWEE LGETPGTYIGSSAAVRNPILLRSQLEPLGTVA
LRKRLVRDFGQEPTDPSEVDRAGVMRLLRAYFDEGMAHFQGNAGVANQTD EACYDSLIA
NRTTLQVYGTVPVQTNLNDLLEELNKWTSY TGLVNKNRERPSIHASNYMILRRPRSREEL
AAEESRSTRDKSRRAIRKAKKLERYRRLWEVGIAALRMVDPVFADQKCTEIAVTHGFSG
SPHIDKQNCGPFYGLSLGNFDDSDGKGGIVVESSARVVVQVNTRNRLGRVDGRFVHWVKP
WGRHHRHGQDSSGARVDGENQAE EEEQRYSLIYYETGNDFVPPGPAVFTIPKDSP

>comp11166_c0_seq1; 421 2395 3897 LEN=4108; translated
MASLSTSTVIAAKESTSSYLVI GNGPIGASVAKHLVGGFFSENRCSSD TDSTNSKQQRSCD
NNPIVTTIIDGRLSGMGSSHADRARLIRAFDAEGDIDWTRWNKRSLKAFPEIERLW NKPFTF
NGDNLDEYRSTFLHNRHEKKQFFAKCGLLVGDKQFVERSMRAALVQSTPSSTEPLRRMS
PHHCCQKWPFLKPKAGCDEAVFDPSGGI IDPLAFVRAQNYVTEHLHDHRC LQVRQGIATA
VRGGGEVELASGETLKASKKVI VCGGAFSKSLTSSGILGESSSGDGIDRVGRLSLRERL
RASKRTVALLEVT PDVAQGILSDMPTIKYAFGLEGNEDDVGNDGGIGRSYSSGITTIAHD
QNKVEAGSVYVLPV VVYPEKGGWFVKIGGGPNDF FANDSQNEEIQEWLSSGGDPDCVEW
LEDHLRSLLEPVLGA AHGMACVTTVESPTGFAGTG VVVEDSFDES LVLVSACQKGAGP
ADAVGWEIARRIVSPSSKD

>comp11168_c0_seq1; 311 73 762 LEN=877; translated
MAPNRKTHELFATNAELESKATVQAKYLPLTSEIQRQPQPQQALVTDPKTEKQPPT
VSYWDWAPDTAEKKAEAIIDDFSLARFESNLISDSLRRERNETTVDDEEPTTEESQSYWDW
SVGNNDTEAETDSQENESVPPQDQHKTERHGEECNVENYWDWTGESDHEDDPSASRTDHL
HRLVSSSRKKYHRRHSHLPEPECHVSDPEGSAEHFWHWAEFHGKDATVQ

>comp11169_c0_seq1; 530 60 851 LEN=1005; translated
MAPKKGSKKQSKPAAVKKSADPLYPSKAKTFGIGGDIRPQGRDLRFVVKPKYVRIQRQR
AVLYQRLKVPVPSINQFTKTIGKNEAMTVFTLNFNKYRPETPAKKQRLKEAAAAAAGGKAA
SGNKAPNCIKFGLKHVTTLIEEKKAEVLVIACDVDP IELVMWMPALCRKMEVPMIVKDK
ARLGALVHQKTAAVVALTGVGKEDSAQLNLLKESALERYNNNADLVRKWGGGVMGLKTQA
KLEKRAKAMAIIEAKKLASLGKA

>comp11170_c0_seq1; 594 1 1993 LEN=2025; translated
XRTPFVSDDCGKKQKNNRLTTVETYRTLDDKTMFPDARNLSLRQWSDSADTKIPIPVAIT
LHNFIPSPVSTKRPSSITKSASYSDDIYHTDSNESDESSVGSPPSKGRGIMWLNRPQH
NNLLPRVNLEITAIKQDQLDKEENGEIDTNDIVQKTTIVYTEQSPQVRSVHPSWEHLDE
RICIDNHSEWWNQNDLYKSMKVKLWIVPEPAQSEEEKEVEQPVPMEEKCLLETYLHPSFL
ERIDLGSASAKKGEDADDGSSLPALPPNAMLVHFSVSDGSIRCPPNIYQVLWEKFGHTYGI
LEAPPVEDFDRFEDDVFATLDHVKQTPQRPCRISITSLLDQDND SINQNGPDDIDNDNDG
TPNNLESQDDEQPPSHQHEQDSNPMTPPRRPVTTSTKQQYQKDDDDFVFRCEQDIIEEE
KRREKLDLLRLIAEEERGLEEDLDCLQTEQRTLISLVEEIQGVERDIDRLKTELNKQSLK
WEREEFLKEAQAIKLRDLRDIYPITSDFKATHGEIAVALTISGENESYFIRGLQLPGDI
YTTTVVEEVNTSLGYCAHLVFMVAKYLTIQLRHRIFCNGSRSSIEQDGVGVFPLFLGRL
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KIAP

>comp11171_c0_seq1; 692 180 2005 LEN=2050; translated
MTCFGTVAKXPHLILWNSAAAFVLIGFPLSIYGIVAHLSNYNQPETQVYIVRILFMVPIF
SVQSWLGLRFKEYSIYFETIRDFYEAYVLYSFLQFLIEVLGGEALILMLKDKSPTRGVH
IWGFHLCLKPWLGMQPVPRKTYMKNKDGETILTASGGTGSAITASETSIPGVGGLMQPMGGQ
NQQQPVNRKPLKRVYWTSPFFLQCKLGVLYVLLKLASTIAILILEPYNLYKEGFSYK
GYLYICILTNSQWTALYCFYFATKNELTPIRPVGKFLSVKLLVFFTTWWQSLFISIL
YQMQLIPHYTSAEATLFGGSGVDGEDLDLGLLRAEPDWSVPLSPEDAAALDEFGGNAFWS
STSSSGSSGIIIEYSPEDVAKALQDYLCIEMFIFAIVHIFVFPHTEYSPEAVKARARALN
QMPNKNWNKRLGRKWKKEYDNKSAWSGTTNTSKESGEIELYPRNSTTAGNQRDYNNPQQRS
KRSDSIDDDDLRNHPLDDLEEDLEQRPLLEGEDEESYDCDDNSGYSYDEDEYDEEEGS
PKTPVKRKNFFSALLDSTIPQDLRDNVTGIIKGEYVVERKTLHHAATSDSYDLLSRTHK
HNKGASQL

>comp11171_c0_seq2; 913 1 2237 LEN=2282; translated
XNNNNHNNPNSNRNRENFRPDHGATVPSASPPTLYGLERAVQGGASNPSNPHVAPAGSEA
PPATTPAGTKGGTAGGAAEAVKAKTGATGAAAWAAGGSAGAAGTGRSSAAPSAAAMNVAR
ILSWCTVVASVAGVWVYSYELKKTGKDPHLILWNSAAAFVLIGFPLSIYGIVAHLSNYNQ
PETQVYIVRILFMVPIFSVQSWLGLRFKEYSIYFETIRDFYEAYVLYSFLQFLIEVLGGE
EALILMLKDKSPTRGVHIWGFHLCLKPWLGMQPVPRKTYMKNKDGETILTASGGTGSAITAS
ETSIPGVGGLMQPMGGQNQQQPVNRKPLKRVYWTSPFFLQCKLGVLYVLLKLASTIAIL
ILEPYNLYKEGFSYKGGYLYICILTNSQWTALYCFYFATKNELTPIRPVGKFLSV
KLLVFFTTWWQSLFISILYQMQLIPHYTSAEATLFGGSGVDGEDLDLGLLRAEPDWSVPLS
PEDAAALDEFGGNAFWSSTSSSGSSGIIIEYSPEDVAKALQDYLCIEMFIFAIVHIFVFP
HTEYSPEAVKARARALNQMPNKNWNKRLGRKWKKEYDNKSAWSGTTNTSKESGEIELYPRN
STTAGNQRDYNNPQQRSKRSDSIDDDDLRNHPLDDLEEDLEQRPLLEGEDEESYDCDDN
SGYSYDEDEYDEEEGSPKTPVKRKNFFSALLDSTIPQDLRDNVTGIIKGEYVVERKTLH
HHAATSDSYDLLSRTHKHNGASQL

>comp11171_c1_seq1; 180 1 564 LEN=564; translated
XVPNRKESQQESFDRLASHPEQPAKFQAPVEKQSVVFPVGSRESRDRTEPVPEPNQAXAAN
ATEPQLQPIQHFTTLYNTTLQYTSNERWFAAPNGRFRPKRPPAAFRPVPVAVPLLPERRL
AGSRAGVPAPEVLSVRRRERAPPNHPEPRDAKKRERQGAAAGGHAGTAPPRHERQQRQQ
QQQQQQQQ

>comp11172_c0_seq1; 539 159 1550 LEN=1715; translated
MIAFGAALSFLQLQATGFVVPASSSIGRNQCFEAASATFTSHKKCGSFRHESLTRRF
AALDDDEDDGDFDESGPLAKGIDSVSWLPSVSGAKGDNMPITSTTEGSEIIPVFPVGGFV
YTPNTEHVLNIFEPYRQMYTDILMNGTKRFVVTSHPTQGRFARTGVLFELEDLKEVS
EQTQDQIKYICNHKVTGRVTINKILNPEVWETRESYLKAEGTIIDDSGKDDEPKDEPMAG

NPYGAVVAAATTKDENDLRIIFSKVVDLQHELEEDVRFNTNAAKSTLAVSDGAGEDGLWQT
IRLWQSFIEQRLVSRQNELQQEFQEKLLKFLQKERGLKQDELPSAIGFGDLSPELQLELQ
ELQKRMAIELQPLVLESSLTMQKVLEAKDHSARCKLLKYFMQAEVTRLKTKKSLRGLFSS
DSESLTEEDGIPADELIPTTESKKEDEEKKPASFFDEPDAFQ

>comp11172_c0_seq2; 454 159 1698 LEN=1863; translated
MIAFGAALSFLQLQATGFVVPSSASSIGRNQCFEAASATFTSHKKCGSFRHESLTRRF
AALDDDDDDGDFDESGPLAKGIDSVSWLPSVSGAKGDNMPITSTTEVRDMSXTKVNXPVT
RQRAGMLNIAFSSSHAFSNVFPFCDFQPYNSAFFCQQGSEIIPVFPLGGFVYTPNTEHVLN
IFEPRYRQMYTDILMNGTKRRCVVTSHPTQGRFARTGVLFLEEDLKEVSEQTQDQIKYI
CNHKVTGRVTINKILNPEVWETRESYLKAEGTIIDDSGKDDEPKDEPMAGNPYGAVVAAA
TTKDENDLRIIFSKVVDLQHELEEDVRFNTNAAKSTLAVSDGAGEDGLWQTIRLWQSFIEQ
RLVSRQNELQQEFQEKLLKFLQKERGLKQDELPSAIGFGDLSPELQLELQELQKRMAIEL
QPLVLESSLTMQKVLEAKDHSARCKLLKYFMQAEVTRLKTKKSLRGLFSSDSESLTEED
GIPADELIPTTESKKEDEEKKPASFFDEPDAFQ

>comp11174_c0_seq1; 1103 115 3600 LEN=4413; translated
MRRQRTVVVNPEECSTSPHGSPPHSPKSIKSGESSFQTGLSVGYVESVVGHDDPTLVH
TNVKENPSSRNDDHIRNIHSEALGSFLTASYSEEERDSPEDARELGQSLDDEKLRQQQVE
LDRTQDAWRAKRQEVSDDDVDETEDFYVKEAGEFTPSSSRKRYQLAMKEATIEEVEERQE
TIEEDEMNEGPHPEEERTVEESSRFESHIGMLTPKSDTYADDPESHVQTETIERAPKPM
SSPKIQQHDPQEGADRILLDVSRRQHQTKDNTENTSIDECPQNPPEQGSTSSSLGDYST
QYRMQELIGTSSNQERISKKEMKQQQNSIPLYEGGKVDSSSAAGSRTAAASKSLVQCET
SDLDFEYPSMDELDDRKNVSSHGDFVAKTHDQEKARDFVDIEDNIVVPCTVKNDCCN
YNDKIIRAVQERLTDQSVAPYAMDQIEPNKPKGLFKPKIGYSSPMKSIISMWRKPEALAS
QVDQSNDEYDAEANMTSNPRKRRWKLKIVNVCLGAVIIVAIICAVLLGIEIAARNKGSSS
VKRDETQETASPTVSPIESRLEDRPKVSPVESRSENSPTASPVESRSEISPSATDAPVQL
PESPIQYSSAIEEELMISGDSIYNMSTPQYAAWDLLTKDPANLDDLGSSELESQRFIA
ALFYFAMNGNDWIDQYGFLESHVCDWNNGPSDDPVGACDSDLKITGFVINENNLRGQL
PRELQELTDITILQLRANDIYGTLPSELGKLSLLEEIDLRQNELVGTIPESIFNLPEIKR
ILLLRNSQLGGTIPASIEKASNLEMISIQRCVDTGSLPSTIGSLRFLFFLTLHNSLTGT
IPDSLVLNLSKLEVLLESENKLTGHIPPLSGQDSLIIISLYDNKLTGSIPTTLGDLPTLMF
LDIRDNRNLNGTIPHGIGLNRNLVTFFAENNQLTGTLPSFSSNAGLLQAVNLSRNKLSGDL
NNIFGQGSVARLVNINLAHNSFVGSISPSIGRMNSLSELNLRGNSISGTIPTEVGLLRE
LDTLILQDNDLTGTLPEELGLVEQLVYLNIAASNQFEGTIPDTLVLLSRLTVLDDLQSNLDM
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>comp11174_c0_seq2; 1103 115 3600 LEN=4170; translated
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TIEEDEMNEGPHPEEERTVEESSRFESHIGMLTPKSDTYADDPESHVQTETIERAPKPM
SSPKIQQHDPQEGADRILLDVSRRQHQTKDNTENTSIDECPQNPPEQGSTSSSLGDYST
QYRMQELIGTSSNQERISKKEMKQQQNSIPLYEGGKVDSSSAAGSRTAAASKSLVQCET
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YNDKIIRAVQERLTDQSVAPYAMDQIEPNKPKGLFKPKIGYSSPMKSIISMWRKPEALAS
QVDQSNDEYDAEANMTSNPRKRRWKLKIVNVCLGAVIIVAIICAVLLGIEIAARNKGSSS
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ALFYFAMNGNDWIDQYGFLESHVCDWNNGPSDDPVGACDSDLKITGFVINENNLRGQL
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>comp11175_c0_seq1; 296 1 1036 LEN=1073; translated
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>comp11175_c0_seq2; 484 174 1651 LEN=1688; translated
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LVAEETRTRRRKTSRFLSDVAPLVETGGFPSTWTDGSDVTEHDLAWAVWLVTSRVLTVQG
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VGNDRFLQDYGFLLDTSSNGVAYDMVAQQLLGKRRIVEGIGSGRFMSESDRARTLDRLEGET
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>comp11176_c0_seq1; 1362 1 3894 LEN=4474; translated
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GNPNKNPNKTSAFARKKLYSSSSSLSSSSLLASHPPPCKLPIMSRYCGCCGDILSTKTYGY
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>comp11177_c0_seq1; 261 1 809 LEN=1095; translated
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>comp11178_c0_seq1; 223 103 711 LEN=1001; translated
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>comp11179_c0_seq1; 518 327 2236 LEN=3885; translated
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RLYGLPVSPSLALGDAKEERGLNATGKLAYYNLGPIDDRGNYPLLSGVEMALVVVHGA
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SQGRHHPFLSFLWDEAGDRDGSWRYGADASGPLPGISSYDAMDIVLNLRRSGLFPNLR
RIALVGHSSGGQLVQRWSLLTPSEVWPPPLSSSSPTNVLEDSIDSASKPKIKPRRLSGTI
PVAPSKNDADADSSITIHAVVANPSNYVYFTPLRFFNDNNGSIQNRNRNRKNSNEYLR
SNNQTMQNTPWRLPFVHQNGNDANDNDNSYENCFFYNRWEYGLDDGGPMDVPYLRQAI
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>comp11180_c0_seq1; 193 1 1013 LEN=1363; translated

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>comp11181_c0_seq1; 173 88 495 LEN=1526; translated
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>comp11183_c0_seq1; 1049 112 3573 LEN=3640; translated
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SRPKVNESIVTRSDRKKALANRIQNFEGKNSKRCILRLDLRTPPEVRKIVKTSKNNNRDL
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ISEIDEV GAYFGELALLYNVTSEHTVSVHESKQTHLLRIEQRAFRGLLRIFSKRAAKEKR
DALLGVDFLHDLICENETLTNRLLS IMIREEMTLGETYNMSQDITFMVIQSGQMVARIE
KTLNPGDYFGSRALIGSLPRQSTNNTDMEVSSEKVVFFRIDNHSMGQIIGPRRLQNLMDM
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LLGEGEFGEVWLVSANVSSEGSPEHRQKFALKSQLKIHRNHGFDNTDLIRREIEVMQKLR
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GGHNRSVDFWALGVTVYEMITGENPFFFEDMDQASLFHTICQEEYFPLPKDTNDQLVDFI
EKLLNKDPAQRLGMLAGGVNDIVLHHWFEGVDLSQVQAKLFPAPWKPTQLTEDAFETMPS
CDSHVSSSPNESMGARSTQPSSASVGLGDSKIANDEERTTEHDSKSKIKKEKSKKIKK
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>comp11184_c0_seq1; 928 81 3329 LEN=3452; translated
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RKTTSRLLATPLGGLDDKLWSEAHMTILWLLNNSCGTNNENAPATVVSSDEASEGVHNL
GLLDRMYAEEQETLDDHDGDIPEFFDELLNLI VNRWRLLISSHQVLLDRKETNSSVRAK
DEDEITMITPRNLLDRLYCYQETS PSLQPNIQSYAMIDTISSMVEIYDEDEYKKEVEKEE
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MRQRFKSGNARMRPSTKTYGSLINWAKSRRPEAGKKAEDYLKIKIKISEGKQRGHRQNS
RSFREEQPRVFEFTSAIRAWYKSDDPMAIYKADGILYLLQEVKRGNKQATPDSKLFGAF
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KH

>comp11185_c0_seq1; 395 60 1640 LEN=1794; translated
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KSSFINYLLQRNIQKAGVAPTDDTFTVIA PGVDTDADGPTLVGDPDLGFAGLRQFGPTL
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LFSKIWNWVSRYNKEWRNSRLREAGLASTSGMALGAVNYLGLDAMIQGGVLGTSIVGVG
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>comp11185_c0_seq2; 217 254 916 LEN=1070; translated
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>comp11185_c0_seq3; 217 97 759 LEN=913; translated
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>comp11185_c0_seq4; 330 60 1797 LEN=1951; translated
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DVVSRYNKEWRNSRLREAGLASTSGMALGAVNYLGLDAMIQGGVLGTSIVGVGGLIWIYHQ
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>comp11185_c0_seq5; 255 899 1729 LEN=1883; translated
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DVVSRYNKEWRNSRLREAGLASTSGMALGAVNYLGLDAMIQGGVLGTSIVGVGGLIWIYHQ
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>comp11185_c0_seq6; 217 1224 1886 LEN=2040; translated
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QATASSELSKLNILDIEIPRLRRLANEAQFYDSNSPRA
>comp11186_c0_seq1; 637 183 2411 LEN=2621; translated
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SALPGGRDDFDKCFVDFDTTPLAAASLGQVHRARLRDTGEEVAIKVQRPHLKKIYDRDLA
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GIGGTSNATTTALARNKPMPEASSWIRTPHVYPHLSSERLLVQEYVPSIKITDGPGLDA
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LVMYDFGQVATLTKSQADGILEIEAIIDTDVERSIEAFQKMEVLVEDADLDQVRQKVAE
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>comp11186_c0_seq2; 405 183 1994 LEN=2140; translated
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GIGGTSNATTTALARNKPMPEASSWIRTPHVYPHLSSERLLVQEYVPSIKITDGPGLDA
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>comp11187_c0_seq1; 391 37 1561 LEN=1739; translated

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FQSGASTDINTSLSNTAVRGKYPVRLIIVDSIAAPMRRDYGTDSAPQRAASIFQCAQKLR
RLADQLHLAIVVINQVGAASVDSNAMKNRSENKNDISGFGLNAEQHPSNVRAALGTSWH
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>comp11188_c0_seq1; 661 89 2080 LEN=2128; translated
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VEEKHVWVVAEHMLGEPCEKAPRGGMQLGCAFAGGTIPVSVATNNQISILPMPGDGGKIE
VLTGHNAPIGAVAFDHANGLFYTGSDGILCKWDLKEIKAIERIVPADNKDLTYQIHKGA
ISGATILKDSQLLSMGWDDKCYFTKGGKLSQSDTIDLGAQPVATSTGTSLTAVLTVNGVIL
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>comp11188_c0_seq2; 526 202 1692 LEN=1740; translated
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TCKLFEVSADGASVEEKHVWVVAEHMLGEPCEKAPRGGMQLGCAFAGGTIPVSVATNNQI
SILPMPGDGGKIEVLTGHNAPIGAVAFDHANGLFYTGSDGILCKWDLKEIKAIERIVPA
DNKDLTYQIHKGAISGATILKDSQLLSMGWDDKCYFTKGGKLSQSDTIDLGAQPVATSTGT
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>comp11189_c0_seq1; 514 116 1534 LEN=1641; translated
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YRKEERLLSFVNRHGFGLGATALNRAARRGHTHIVDSLSPKDCEVASCDFADVPNDKLQH
PLHFAAFKKHPETVASLLQCGANPWVLDKGRTPLEDTSCECQSLLKKAML

>comp11190_c0_seq2; 100 256 465 LEN=465; minus strand; translated
MAAAAATTAEPRRRNEKAEETS CADSSAPHSASPSWQWQVFSFSRPPSPMQWTASPSQWH
MWSSSWSSWS

>comp11191_c0_seq1; 411 217 1149 LEN=1612; translated
MELKSQQENPTS YGKKAPLSISPPSAAESLFLGPATPDAFEVNDGSFMRKFLNTDNAGQQ
LPPEHTHFFGKTIKKS GSFHSALTRVSNVSNDDFVSCVENSSDIDSIDSTENNYVSPTA
VRSSRFSMETIEDTISSNDNDIDMMAKKTCTAIKKEITTPVVTEVKKTPLPDVAPAAVEE
PVADASMKVDAAEVYVYKAKEILLWGKSVVVSFFVGTSEAVAGKALGVVGTDL SQVDGK
IESELTKFDAGILNPAIEAIAKVLLGVAGKSEDALKPIIE LLLKPF GKLIKSEA AEETPE
AHTENPEITK

>comp11191_c0_seq2; 337 71 661 LEN=1124; translated
MSFTLGNVTWYDFFNLEDTISSNDNDIDMMAKKTCTAIKKEITTPVVTEVKKTPLPDVA
PAAVEEPVADASMKVDAAEVYVYKAKEILLWGKSVVVSFFVGTSEAVAGKALGVVGTDL
SQVDGKIESELTKFDAGILNPAIEAIAKVLLGVAGKSEDALKPIIE LLLKPF GKLIKSEA
AEETPEAHTENPEITK

>comp11191_c0_seq3; 411 413 1345 LEN=1808; translated
MELKSQQENPTS YGKKAPLSISPPSAAESLFLGPATPDAFEVNDGSFMRKFLNTDNAGQQ
LPPEHTHFFGKTIKKS GSFHSALTRVSNVSNDDFVSCVENSSDIDSIDSTENNYVSPTA
VRSSRFSMETIEDTISSNDNDIDMMAKKTCTAIKKEITTPVVTEVKKTPLPDVAPAAVEE

PVADASMKVDAAEVYVYKAKEILLWGKSVVVSFFVGTSEAVAGKALGVVGTDLSDQVDGK
IESELTKFDAGILNPAIEAIAKVLLGVAGKSEDAKPIIELELLKPFGLIKSEAAEETPE
AHTENPEITK
>comp11191_c0_seq4; 411 242 1174 LEN=1637; translated
MELKSQQENPTS YGKKAPLSISPPSAAESLFLGPATPDAFEVNDGSFMRKFLNTDNAGQQ
LPPEHHTHFFGKKTIKKSGSFHSALTRVSNVSNDDFVSCVENSSDIDSIDSTENNYVSP
TAVRSSRFSMETI EDTISSNDNDIDMMAKKT KTAIKKEITTPVVTEVKKTPLPDVAPAAVEE
PVADASMKVDAAEVYVYKAKEILLWGKSVVVSFFVGTSEAVAGKALGVVGTDLSDQVDGK
IESELTKFDAGILNPAIEAIAKVLLGVAGKSEDAKPIIELELLKPFGLIKSEAAEETPE
AHTENPEITK
>comp11192_c0_seq1; 157 1 942 LEN=1237; translated
XTKPANKPLAQDYSVLVYRRTPHPKRLVRIMRTELF GASVEHVLF GDDFDQNAKAVVAALR
SADREACERS SRANNDNARSFALCHWELCSENDGCHSRLYLTHPTITLSNRASTLANQKD
TIFLASGGDDFVDEGIIIVDECYLEETATNNKQQALQVATQWKFSIIYSSTYQAPVLYFS
VQDVNGNPVGRRLLELVLEAAHQRSIYTASNDFPSDMWDFLSQEEHPLTGLSSFFLHPCQ
SAQRLQCLTDVNTKSPTVTNSVATAVATNGFTRMSVLWSWMSMILPAVGHSVPPVYFQQI
QNR IAHQSTSTMP
>comp11193_c0_seq1; 113 1 511 LEN=901; translated
XMKSQDLQESGVFEP SRLQDPESADRASASGRTPGNRSGAFVPSPPVESPPVHSPSPR
GAASSASANTSWISAVRSTAAEDPWPALVAELRSRCEFLERDRDEVTRITAQILESERTS
HRAELEAAMATAERKANEALHDLHLEKNRELGA VYRSVCPQCQQEVYSMM
>comp11194_c0_seq1; 498 393 1667 LEN=1862; minus strand; translated
MTMQQKRVPKPLPKIKEYGPN AIEVKDLTFGYSSTGALDAQDERNVLHNLNLTLKTGSR
CLLIGANGSGKSTLLRILAGRHLTQQEVKVLGLNSFRET KLNFRAYLNC DWGMTSIAFV
GASVPLCADIPVYKMMVGILIVXLSVHKSKSRWCFTSGLNCQSSNLSRRKLLLLLSIVGRH
CVLLLLFQKLP HDALDWICRTPYVTYLFGLEEKLQNSYPERREDELVRMLGIDL NWHMHQLS
DGQRRRVQIMLGLVRPFKILLLDEIT TSLDVCVRQDLLKWL VKESDERGATILYATHIFD
GLDDWASHLFLYLNNEGRGCGWQ GK MSELEKYQELKRENHPSKMLAIADHWLRRELEEARAK
NQYEKATYAAMELDPTDRQGGYASGRNIPMNETASTQPQRQSTLADAMGNAGKLDTHRQT
SAAP
>comp11194_c0_seq2; 142 564 2033 LEN=2033; minus strand; translated
MTMQQKRVPKPLPKIKEYGPN AIEVKDLTFGYSSTGALDAQDERNVLHNLNLTLKTGSR
CLLIGANGSGKSTLLRILAGRHLTQQEVKVLGLNSFRET KLNFRAYLNC DWGMTSIAFV
GASVPLCADIPVYKMMVGILIVICRYTNRNHDGVSPXGLNCQSSNLSRRKLLLLLSIVGRH
CVLLLLFQKLP HDALDWICRTPYVTYLFG LAGEAPELDPERRDELVRMLGIDL NWHMHQLS
DGQRRRVQIMLGLVRPFKILLLDEIT TSLDVCVRQDLLKWL VKESDERGATILYATHIFD
GLDDWASHLFLYLNNEGRGCGWQ GK MSELEKYQELKRENHPSKMLAIADHWLRRELEEARAK
NQYEKATYAAMELDPTDRQGGYASGRNIPMNETASTQPQRQSTLADAMGNAGKLDXAPPD
ERRPLGTDGRNPF GCGWRRTAAHARALGR TTE TNNHRTHGGLWQEV SFVLSTLTARSKQA
SMVWAGKPCDX
>comp11195_c0_seq1; 202 356 769 LEN=1129; translated
MLEKKPLEYIEEISLANEDMFVWDCTIKGPADSPYAGGKFVLRISFPEQYPFKAPTTLTFL
TKIYHPSVTL DAGDVCADVMGPWGPTLNARHCLAVIYSMMQSPEADHPLEETIAQQLREK
PKDFEKTAKKYTKEHAK
>comp11195_c0_seq2; 216 133 576 LEN=936; translated
MSKRLKERAMLEKKPLEYIEEISLANEDMFVWDCTIKGPADSPYAGGKFVLRISFPEQY
PFKAPTTLTFLTKIYHPSVTL DAGDVCADVMGPWGPTLNARHCLAVIYSMMQSPEADHPLE
ETIAQQLREKPKDFEKTAKKYTKEHAK
>comp11196_c0_seq1; 435 161 1430 LEN=1480; translated
MWKIQSAAALQRTGGKAVASLAESAAAAMAPAVPEASGGSSSADAPQPPATGMHGAI RCY
SQT SFALQE QSETAAKGSSTLTLPPNLMFDFKSSFAPQRM AAAAAAPELLEEDSDNAGD
DSVEAVDGEESD DTDSD EFDGEDEDSPLVFCPDSFQASGKFPVKPLPERLQVSVRDGTS
PSPGVEGTIWLDP TVFGVEEIRIDLIAQNVNYIRNKIRGFRKAKSKTVSEVSGSRKVRN
QKGGGIARAGHSRPAHWRGGAKAHGPKNTKNYGN TKLNKRVKTLAMRSVLTQKLMEGNLV
VVDHLRLESHKTRPWARVLETEFKV GKALRATRLRSNPHLSQTTSALILDHYLEPEEGGD
ESEDYHASYQGV PINLWVASSNIPRITVQNRFLNVYDLLKNEKLILTL SALKEIEEKWG
EK
>comp11197_c0_seq1; 317 93 866 LEN=969; translated
MKIYSSETLSAVVFTSAFSQINAGPDVVENKGPVAVECIP IHEQLQKMGASAFSEKLDER
GLDFKYGQFTIFAPSDELFE SKVSELQSEGYSEGTINDILLFHVSAEGIKGNIEEHCNMA

LPMLNEELHVNQETSTTLCNGEKIYQVGPNGDGSRRPKIASEGMEACDGVIFAIKNALM
LPTLSNATTPVSPTSPNVEPTPNLKPTPKPVAIVPTASPTPVSPNQPOSSSGNKLLLT
SQSLAFVSTAILLSFC

>comp11198_c0_seq1; 812 1 1320 LEN=1427; translated
DDDGNNLLDGGKTFGVLDFFDDDDRANGDNVFDNDDDDIVDDDDDDDDAYSDEASDEGPTIAT
PFVAKLRASLTLETVWQRDFESTTDSRALGCGFDADSNTVYLAGLVEDGGELVGRRTSLLG
DDVFLMRLDATDGAVVWAKQLGTSMDRLAYGGSGLAVLEGQKGVLLMGDTKGNLYSIPD
KESEIFVVEVDADGNLPEITETSGIDYSSEASDLEISNPVNTEGAEVQTEKESEKDNGS
DESTPEDANSIRTSIRIGHVVYLFITIGLVTVGCSGISYVLSKSKKRASTERALVFSYLQN
FDLEDIDVKQAATGGWHGTYVGNLAQGLNVREEDQLYGGRGSDGAGAEDGTGNTTLDSD
SVKRQLNKLSSHSSVVRDILFMDYDESIYKDGDSKNGTKADNDAKNRDNLVKDPILYSDP
GKGDDDEKEDDDPWGSEII

>comp11199_c0_seq1; 262 1 1092 LEN=1465; translated
LRDNNKARHNSSEPNIISFELHVIDAMKVSAPATATSMASLIASSTAALSISPSPKPKT
EPHQHSHASHNSLLRAQQQSVSTPYDIASDDGIAITTFKNEGDKEQSHRSSVMKPAPCDY
EVNLEAWSQISSVVKSNLGLGLEIRVEWKPEDDIVQVARYVVGETNPWFVDGRNLKLYPA
ARLLNLVSSMKAYVDICESSLHDIEMYRLKLSAMYGDSATRCPLWHIDNVPPIRWIQTMLG
PGTSYVDDDESKPNKYLHRVRYPDREMLTQQEQDIGSGRRHWKDVCEKSHAPIQQATEGE
PIVLPGYRWSETSRQHHPQSVTNGNGYLPVIHRSPHDVPKDQGRILLNLDVICGDHKC
DCC

>comp11199_c0_seq2; 295 518 1525 LEN=1898; translated
MKVSAPATATSMASLIASSTAALSISPSPKPKTEPHQHSHASHNSLLRAQQQSVSTPYDIAS
DDGIAITTFKNEGDKEQSHRSSVMKPAPCDYEVNLEAWSQISSVVKSNLGLGLEIRVEW
KPEDDIVQVARYVVGETNPWFVDGRNLKLYPAARLLNLVSSMKAYVDICESSLHDIEMYR
LKLSAMYGDSATRCPLWHIDNVPPIRWIQTMLGPGTSYVDDDESKPNKYLHRVRYPDREMLT
QQEQDIGSGRRHWKDVCEKSHAPIQQATEGEPIVLPGYRWSETSRQHHPQSVTNGNG
YLPVIHRSPHDVPKDQGRILLNLDVICGDHKC DCC

>comp11200_c0_seq1; 202 263 999 LEN=1316; translated
MATSTPAIFFFHWMNQTQNALVNFNRNATQPLNMSAVAQGYLGAVTTSIGLSMGLKSVI
DRSTRLTALQKATVQRFVALPAIITAGAINVFLMRQNELTTGIEVYEQEKLDATPGGNR
SGDAVDEDESEVPVVVGTSQLAACKALSXDDDL ENGLAPAGVFNDARRHVPGGPDHSKEPT
PADSPIQFELYLFLVRLWIAGDHCTLP SDRNGRGIEPGGQVPTPQGRAGKSGDLSLVQQG
TVALVW

>comp11200_c0_seq2; 321 62 1242 LEN=1559; translated
MTPPDTSSSTSPTATAISISAIDSLDQSSNDDSVPPFSLKADRYDQSTYYGRFRKMLDVV
DPRTLCSQQELDDAVQLLKDFEDRTESEGLD SGNISTYHNGFDNEKLWQAKKIKDAI IH
PDTGEIIPRPFMSGYVFPNAPVCVGAIMATSTPAIFFFHWMNQTQNALVNFNRNATQP
LNMSAVAQGYLGAVTTSIGLSMGLKSVIDRSTRLTALQKATVQRFVALPAIITAGAINV
LMRQNELTTGIEVYEQEKLDATPGGNRSGDAVDEDESEVPVVVGTSQLAACKALSXDDDL
ENGLAPAGVFNDARRHVPGGPDHSKEPTPADSPIQFELYLFLVRLWIAGDHCTLP SDRNG
RGIEPGGQVPTPQGRAGKSGDLSLVQQGTVALVW

>comp11201_c0_seq1; 64 1 1384 LEN=1946; translated
XNNNNAANNIGFLVARLFRRIVIVLMIAAAAVGCAMLQILPLYSVTVEFFDSTFDALLY
EVLEVRDWRDHVLECTGGLANRSDYHHHLHKKWGLNGIRDAVIGRTGIVDCSKGVLHIPS
ERVLISDSLQSLTATPTAGRRRPTLQSELRDYAYGVNASWFMSCSGHPTIYSEGQQYNRD
EAKNRENQCTDTLGTNDHSHSAHSICNGRRRIFDKCFRGIHDHFATTGEVRAAFSLANEL
VDKGGDHFVHYDVSLTMAVPSVVDKVRNLLLETSYFNGQRRTKDAQTI EPVAFRVLTG
PMDGHDVQLKQTGNMGSMYLT HSSALNEENYLNWVLR SRQHNDQARFQSKYRPWPFRLP
KRDTCDLKFDLGADSRFCILTTIHLTTGAGENFQGGTSLFVDDHPSNARDSKRRRIARGVS
VDSSRGRLVSTGGNENLR CRFPVRS GFRTTELQIWWNCEHE

>comp11202_c0_seq1; 1171 83 2500 LEN=3134; translated
MSWLNNVNLLTKLDGQAETMAEMVAEHDEAADEVGIDNILAKRGLSSVSSDDEEESDAN
DGEQKSEVDDLKEDQEIADDSKDGDKKTEDSNAVDTAGGSQLSVEKESPETVEEKAAAAK
VLNEDTSDNDKSDGGGAVKTPVVTERRQETKASNTDSLEVSSQDPSSGPKEDALQST
GKGLKDNSPESDDGDEKNKTPSNPLSSSTPGDGTAPLSLSPSPDMASLRAKVAPIQEA
SALLFGQKEKQRPVAMTSPGRPKRELAQAQKEARILRRHVSLNEQLETAESLQAQRKE
LERAGERMEKDRIRLQKQKDAFQKRNAQETELLSQHEKTLKEQQARFEEQLERYRGLS
EEEKRRKQQGGDWDKEMSNAIEREQEMRQTLNALEDEKAVLLSQISTLQGGQAVLGSRL
SLTEAADNAMERERDAENRLDVALNQHARQITQRQARESELERTVQELNAALVVSSQGV
DEETPSRVGGNDSLLEARISALEMDLQAANSNLAIEREQSETLQIQLRSFTNETTHEATM

VHAKEIQYDRKIADMSLTITKLEAEVREYKVNQDPNPSAGSFNDAELSNRIKVLSEEV
VRLRDKIANHNSESLAMKNRLKVAVDRSKKLEDELLIYRNSPGADGDRYDSMEQNLKPGI
YSKRRHGAQANGSIRNAMLNLSRGDRAEKIGQVVDQIDSF AASTGKYLRNPLARAGFI
FYLLMLHLWTFVLLFFHAHSFDTI PNSSDIGHL SHGPQAVMQHEL NKNIDL I INSDASA
AVQISADKQORTAHKDQTEEEVKAA

>comp11203_c1_seq2; 1005 1 2561 LEN=3083; translated
PAGASAASDASSSSQLLPVMVWLHGGAFFQQGSAARPEYNARRLAQEERVLVVTVNYRLGA
LGFMVSSSELGLYGNGLMDQRAALHFVKRRIESFGGDPDNITLFGESAGAVMIGLHLQME
NNGLFHKAILQSNPMGYQFRSVVADFLGDALRRTVDCRDLECMRTEAVEEIMRAQSSLM
GIPRSVGDFFAWGPTLTTGATAFSSPSSFSQARQWERDRSLFSIDQOISARSRSGRYR
RESTTRFTVNVTQPLHNLNLPDDIPIIIGTNKHEGEIFVHGAFPLTMSKAVYWMFV GAL
FKDSAPRVLKHYRYPVAQLEADA AVLVEKQVSEEEHKQYWMENKEELENEYLELLKTTAA
TRGGGQSNGNRNETHGETETASSWWQKVFSPRDPEEIESRRRQRLEILKKKAKEKALKKA
AKVSI DYRPVMSRIINDYLFRCPSWHYAHLLSLQRVKKSSSTRKKGGHRDHRNNVYVYRF
SQPTHVPGYKECWGKSCHTAELPYVFESMDIIRSDYSTLGTVAQEEAPTPEYPYTDLMS
AYKGVVEDDDVDFEENHDDTGKEDDDSSSWTSTSSSTLSNQLSNYTSYFQRILRHFFDDY
FLEDSDEETAHDMARRWVAFSRTGNPNHDESSVEWIPWRFIPHSVDLDQVPSVKDQSADE
SIPWGENGREIYNIWRDVEEKVLQDLEENDGLSYEGEELERNVEDAFRKRALVLSMEVV
EEDSLRTELIRNKHTSGGINGENALGALRTYLTRWNSTLGGYASSEGNGGGNDHYVMIQQ
IQRMAQDMGVLGRGLSGEYDKLLGGVFGSSGSSSTHGYWEDDFFPQFIELQWPPEGRLL E
RXLHVRL LGTNTM

>comp11203_c1_seq3; 1010 1 2568 LEN=2959; translated
PAGASAASDASSSSQLLPVMVWLHGGAFFQQGSAARPEYNARRLAQEERVLVVTVNYRLGA
LGFMVSSSELGLYGNGLMDQRAALHFVKRRIESFGGDPDNITLFGESAGAVMIGLHLQME
NNGLFHKAILQSNPMGYQFRSVVADFLGDALRRTVDCRDLECMRTEAVEEIMRAQSSLM
GIPRSVGDFFAWGPTLTTGATAFSSPSSFSQARQWERDRSLFSIDQOISARSRSGRYR
RESTTRFTVNVTQPLHNLNLPDDIPIIIGTNKHEGEIFVHGAFPLTMSKAVYWMFV GAL
FKDSAPRVLKHYRYPVAQLEADA AVLVEKQVSEEEHKQYWMENKEELENEYLELLKTTAA
TRGGGQSNGNRNETHGETETASSWWQKVFSPRDPEEIESRRRQRLEILKKKAKEKALKKA
AKVSI DYRPVMSRIINDYLFRCPSWHYAHLLSLQRVKKSSSTRKKGGHRDHRNNVYVYRF
SQPTHVPGYKECWGKSCHTAELPYVFESMDIIRSDYSTLGTVAQEEAPTPEYPYTDLMS
AYKGVVEDDDVDFEENHDDTGKEDDDSSSWTSTSSSTLSNQLSNYTSYFQRILRHFFDDY
FLEDSDEETAHDMARRWVAFSRTGNPNHDESSVEWIPWRFIPHSVDLDQVPSVKDQSADE
SIPWGENGREIYNIWRDVEEKVLQDLEENDGLSYEGEELERNVEDAFRKRALVLSMEVV
EEDSLRTELIRNKHTSGGINGENALGALRTYLTRWNSTLGGYASSEGNGGGNDHYVMIQQ
IQRMAQDMGVLGRGLSGEYDKLLGGVFGSSGSSSTHGYWEDDFFPQFIELQWPPEGRLL E
RDCTCDFWERIRYRY

>comp11204_c0_seq1; 321 137 655 LEN=990; translated
MVFSLFPRANNNKKNPFWVALFALAVAVLSAGSSHGFTAPAASLARTH HHHASVP TAVL
SAVADAPAKEKQKESTGVEIVKDEDVESDEKTGKNGWEIQLFNDPYNHRTFVAKCLCTIC
GKSDGESYQIMMQAHRNGMGVGRYHYEIAELYYGSLRDEGLTVQMVEVDDE

>comp11204_c0_seq2; 295 137 553 LEN=609; translated
MVFSLFPRANNNKKNPFWVALFALAVAVLSAGSSHGFTAPAASLARTH HHHASVP TAVL
SAVADAPAKEKQKESTGVEIVKDEDVESDEKTGKNGWEIQLFNDPYNHRTFVAKCLCTIC
GKSDGESYQIMMQAHRNG

>comp11205_c0_seq1; 227 1 1184 LEN=1184; translated
KILNCTSTTIIIIIDNDNVQGNSENDPRQYLNHQFRMQH SKVVTPQTTRD SPRQQSPPPP
ASRCFYPCNPWSIFFQMGLAALAIALYQLYSRFDWTPCSSDPPINFDRDPNSYHYTFR
DSCKLFSSEYTEAREKFRNAVVAFGTRQAIQASETQKLINTDAVRESGSAELVTFPVVVD
LGGETEKL SLTIDIAVLPGNTKELGTIVHSSGVHGI EGYAGSAIQ LALLELLSSSRATAS
SSDSRSDERNENTIRNDLRERPTIVMVHAVNPVGM AEFRCNENNVDLNRNGIRGDTGDA
FKEFLRNRDPNVAGYDDFRHLFVPD TDGDSHG GPADPTLSLYDTTVGFFAKAIPALWKHG
FSKLKRAMVSGTCCISSCSWFPRSNTRPKSLNST

>comp11205_c0_seq2; 118 262 1149 LEN=1202; minus strand; translated
MMDFKLYNVVIPKQLRHGSSVLWIHIVLVLVYNACVSPCLGEFDGLQKQGHASSNHRAS
PFRRLGIGLLEGRSVRKGFSSAGLGP SLVELVERVVEDKGP AHEGPRQRPPELLPHEKP
RPRATTAAPVFP LAAFHQIAVGI RKKLHEYAPGKLVAGKGLVGKHLVVARHAVGRRIVVR
QCPLCVGWRTLLAAAIDLDRILSKRPQPGVDIDPYHRGRIPEKFWAVFHKKVEQSPDGR
LPLFSTVIQPTGVVVLPCVWSGVFV EPRSRIESSRIGVRIGDC EIASKSYGEFT R

>comp11205_c0_seq3; 373 1 1815 LEN=2142; translated

KILNCTSTTIIIIIDNDNVQGNSENDPRQYLNHQFRMQHSHKVVTPQTTKRDSRQSSPPPP
ASRCFYPCNPWSIFFQMGLAALAIALYQLYSRFYDWTFCSSDPPINFDRDPNSYHYTFR
DSCKLFSSEYTEAREKFRNAVVAFGTRQAIQASETQKLINTDAVRESGSAELVTFPVVD
LGGETEKLSTLIDIAVLPNGTKELGTIVHSSGVHIGIEGYAGSAIQLALLELLSSSRATAS
SSDSRSDERNENTIRNDLRERPTIVMVHAVNPVGMAEFRRCNENNVDLNRNGIRGDTGDA
FKEFLNRNDPNVAGYDDFRHLFVDPDGDGSHGGPADPTLSLYDTTVGFFAKAIPALWKHG
FSKLRAMVSGQYHDPGGLNYGGEEWQPSVRLLDFFVKDRPEFFRDSTSVVWIDVHTGL
GPFKDSIQIYGRREQDPPPNTERALADYYTAAHSVSSDEDMFSNQAFRTGYELTRGILM
EFLADAYRDLVESGEGENRRGGGARAGFFMWQEFGLTLPGLVGRALILDNALYQLYKRR
PETGGEEAFSYRSPFLKQAFYQSTEWRSVVRGVALFLQSVFETKARRNARVVNQHKH
NMNP

>comp11206_c0_seq1; 480 208 1563 LEN=1680; translated
MNSGSSDGPPLHSPRIAARRMRRSDSIPENSETTPAGGNTGTEDASIEELLMRHSTPVFN
RGAAMASPLAERNSSPSPLRLNRPRSNPRSRTPMRISEEQHEHEEAQQEIVDNATTEGRR
ITIRLGTGSHVGTNTASYASRRIRQQEPARVKSCKKQGPSHRKTRRWNNDFVNLAAELSS
GKGSAAAVDALLKGSAAASKHRSILDPKQHESKAMKQFREDGSMKLVREKFFEGSLPSDN
IHLSSSSSKRKIVSDNNMLTPLERFHRIETRLRRIIVKACENSYAASKVVSTLEEFVLRV
HNGETDERSNEEWQEFLLGTPTVTTLRENKKNKTRSQDNSDEDQEVTPCSERRI IKFLFDS
NSSTGGFHRLLLHGVCQFHCLRATSSSTVVDGKKARVLTATGTFSGAELSLVEFIMERCK
SGQDSSLEKLNATERAHADESLANKLSALKV

>comp11206_c0_seq2; 450 208 1773 LEN=1890; translated
MNSGSSDGPPLHSPRIAARRMRRSDSIPENSETTPAGGNTGTEDASIEELLMRHSTPVFN
RGAAMASPLAERNSSPSPLRLNRPRSNPRSRTPMRISEEQHEHEEAQQEIVDNATTEGRR
ITIRLGTGSHVGTNTASYASRRVSRCTESSQFIRLIALVVEKSRLESSVCIIFFLFLILV
FCVYATKLQFKMARYNTVQFIKIDRLRPRDXQIRQQEPARVKSCKKQGPSHRKTRRWNNDN
FVNLAAELSSGKGSAAAVDALLKGSAAASKHRSILDPKQHESKAMKQFREDGSMKLVREK
FFEGSLPSDNIHLSSSSSKRKIVSDNNMLTPLERFHRIETRLRRIIVKACENSYAASKVV
STLEEFVLRVHNGETDERSNEEWQEFLLGTPTVTTLRENKKNKTRSQDNSDEDQEVTPCSE
RRI IKFLFDSNSSTGGFHRLLLHGVCQFHCLRATSSSTVVDGKKARVLTATGTFSGAELS
LVEFIMERCKSGQDSSLEKLNATERAHADESLANKLSALKV

>comp11207_c0_seq1; 257 114 692 LEN=1347; translated
MGRSSQPVPVEGPGPSDGTETEEVEQQEGFFTLSESFQEQEMAQEFQNEQVLRMFQKQMEK
IGERKNAAYKEHIEQRANLERKLNFRQNEKVQNTLNTAIEGMEDKFTDMANVVEYDID
RLGKQYLKLSALTEKNILNIPCFVEQTEIASCLNTKSKSGEMKDDPFACDVFIQALNDCTY
RIITSKKDEAAQ

>comp11208_c0_seq1; 442 1 1482 LEN=1557; translated
XIVKASRSFSFPYIITPLFCVSFEQQGTRRSGVTLVSPDHRKKAEPQLHSHKKNRKAEEERR
RRKKTHTHVANEENVAGTLTNSVVKVPSLI IRRGKCESVVTDLIQDLRRLMMPYTALN
FQEDASYRKLTLAKYQHVCLPLGVSHIIAFSQNKDRLSMRIAKTPQGPTLTFRVHRFSL
SKHIQKLQRRPVNTKSLDSDPPIVVTNNFGDQTAPPQVKLMRISFQNMFPAINVANVKLK
DCRRVVLFLHIEEESPEGESADGSAAVAKQVQVEVRQYAIKATPVGIDKKVRRLIQSKIPNL
NKVQDIADYIAGNANATTSVDAASDSEPEDGSNAVQVLAQNYVGKGNKSQGKSALKLVEL
GPRLCLELVKVEQGLAAGTVMYHAHIKKTPEEAKAIEEKAIEYKVRLLKNQRRQEQERNVER
KRKAAEEKREAKKRRKQEREDAAMDLLRNPLNENDAFEDTNLLDDDDDDIDEMEDPVDD
ASISDDDNHGYS

>comp11209_c0_seq1; 191 1 753 LEN=1214; translated
NGSAYSQYKIGYLYIAIENSSSILRYKMKVIGSSERVASWAFALVTLALSFSITSPFVIK
QNTRTSAPPSRSDAAATDVHEDSMDNESRRNFLGRAPASVMSCMLALNILTLNNTPAMAS
DDAIELPTKEAVTECFDFIRYELNDPKGGVGFQMGRIDDGDFAGLLNFSKSYDLEFRKRR
FGNAKLLQDKEAKSKATEYANAVTFDLIGINRSCRSGQENS SDSANKYLQELRDDVNKFL
ALEKTIQVKP

>comp11210_c0_seq1; 427 358 3287 LEN=3287; translated
MERKNYYDYDGNSSSQRPQHTQFLDLTNGEGGESRQGMASIFRGDDGYAGTNNLGNRSR
TPAPIPSIRTSMSISRGGGNDVVTCLGSKLDPNTPGRLVETGQEQTGRWTKDEHEAFLI
GIKMYGKEWKKVAAKVKTRTVVQTRTHAQKYFQKLAKANEGKEDVTHVDMGTASEARRGG
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>comp11210_c0_seq2; 646 358 4184 LEN=4223; translated
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>comp11210_c0_seq4; 353 358 3382 LEN=3382; translated
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>comp11212_c0_seq1; 803 156 2561 LEN=2587; translated
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>comp11213_c0_seq1; 2161 591 6303 LEN=6353; translated
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>comp11214_c0_seq1; 198 207 643 LEN=1230; minus strand; translated
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>comp11215_c0_seq1; 146 227 1039 LEN=1554; translated
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>comp11216_c0_seq1; 224 182 1570 LEN=2023; translated
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>comp11217_c0_seq1; 152 722 1894 LEN=1894; minus strand; translated
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>comp11217_c0_seq2; 141 867 1930 LEN=2264; minus strand; translated
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>comp11217_c0_seq3; 141 722 1785 LEN=2119; minus strand; translated
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>comp11217_c0_seq4; 152 867 2039 LEN=2039; minus strand; translated
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>comp11218_c0_seq1; 190 1 647 LEN=703; translated
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>comp11219_c0_seq1; 584 69 1601 LEN=1684; translated
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>comp11220_c0_seq1; 237 20 861 LEN=1478; translated
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ARLHGRSADGETAVVVESDVSPETARAEAKRANTLKF SCKTSTIKSNI INKTVPFHHTKE
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>comp11220_c0_seq2; 517 295 2106 LEN=2723; translated
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VEV

>comp11221_c0_seq1; 178 815 1216 LEN=1577; translated
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>comp11221_c0_seq2; 534 1 1928 LEN=2289; translated
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>comp11221_c0_seq3; 201 461 1105 LEN=1466; translated
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>comp11221_c0_seq4; 467 1 2039 LEN=2400; translated
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DGKSIMPIMTANSLGTSEVNDFRWAALLEMYSGSSNIGERYKDIKGYQNHMDVRNTKQF
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>comp11222_c0_seq1; 566 287 1507 LEN=1694; translated
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>comp11223_c0_seq1; 1011 242 2818 LEN=2858; translated
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>comp11223_c0_seq3; 1287 165 2696 LEN=2736; translated
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TVS

>comp11223_c0_seq5; 1210 1 2547 LEN=2587; translated
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SGLQPYLKEEDLADMVVLVLCNLKARKMVGIPSHGMVLCASNADHTDVRVSPPIDAKIG
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>comp11224_c0_seq1; 441 255 1742 LEN=2023; translated
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>comp11224_c0_seq2; 441 255 1742 LEN=1931; translated
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SRVGP IEWLRPYTDDVLP ELGESGVQNLVVVPISFVSEHIEETLEEIDIEYRELAEEESGVS
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VGGVGADGDLFKIKP

>comp11224_c0_seq3; 441 255 1742 LEN=1880; translated
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STSPSFSDRSKINKSNSKRTTELRAATGIPLTSSPSIVPSSIDDSNDGGLGVLFNLGGP
TTGDDVEEFLFNLFADPDIIRLPGLAPLQNI IAGFIAKRRAPKSRAAYDSIGGSPILK
YTNAQAKLLSESFKEKYNMPIKTYVGMRYWKPYTEDALEQIRRDVKVILPLYPQFSI
STSGSSLRVLQEDFSKRSYGDMVHTVVPWSWYDRPGYVKAMS NLIQTEVDSFTDSEKAQAK
NNAPNLAPIHVLFSAHGVPKSYIEAGDPYQKQMEKCIDGIKAKLYETNSPEDLTIHLSYQ
SRVGP IEWLRPYTDDVLP ELGESGVQNLVVVPISFVSEHIEETLEEIDIEYRELAEEESGVS
NWRRC PAPNTDPTFIADMADMVYEALNEPAQTVTETCIANNIEGIDLEALDDSVAVSAGG
VGGVGADGDLFKIKP

>comp11225_c0_seq1; 420 278 1207 LEN=1207; translated
MNISISNLTDERGVTA AVTQSGVALQDASDEIKDKEHVVTIAVAQNGKALQYASERLRDT
ERVVK IAVAQNGWALS YASTRLQNYQPLAITAVTESGWALACASSQLQNN EEVVTA AVRK
AGCALRFASQNMKNNERVVTTAVTQNGWALEYASSKMKNNEQVINAAITQNGLSVRFASE
MMKNNERMMTAAVTQDGLALTYASEELKNNQRLVTA AVAQNGLALKYASNRLKDDEKIVI
SAVSQYAYILQHACNRLKGESTIVQTALHTNPRAIEYCSQEFFIAASRQYIHS LQC GTDT
EKVDS DQRPN

>comp11226_c0_seq1; 300 111 1154 LEN=1450; translated
MSPFVPASRCSLAVVLLSLSAFLGGCQASTVSLTVSPYSNSRRPAFFSREHSSRQNQFL
PNILDDDLGDGHYKKEVECSVAKNLVRGAFLRILSDLSGGTPLESIKCRVTVTKDNMFQA
YQNI VNEGSFWSLWSGTPSRTVEGALLGAFFILGSTAAKKQVIAMGGGKNLAALAGGTVG
GVAQAI VMT PAGMIFTSLNVNQGKKG YENDNAWTVATRIVKEKGLKGLFYGGGPMCLRQA
SNWSSRSLFTEIARTNLKMSKFGLLGEIGSGVIGGLGSCWNTPIETIRVNMHRDVS MGKD
SQSFGYYWNEISEEDGVPGLFRGVTPRGIQAIWQTVFMVVV PNVLGI

>comp11228_c0_seq1; 304 264 1166 LEN=1607; translated
MRFLLNTARRSAKSTPAVKANKKVIDSFVGT DANKSHVTKSWGQQCSPTCGCVLRFEATV
DKRQRI IDCY TAKSVVTTIDQENGRRLRPLYTTRTTRLMFQECNCQSIHALAKQVTDYL
PNKRFDHIKGMNDFASIRSSIGFRHSVLVENDLPRDTHCFDIVEEAFTGMISGKIPSRR
PMDAAFKIMVAAESLRSGSVVFASRRKRNEKHAQSKSHQRHERKEGDTDSFGRR LGVDR
NRINMSTSKTMSTLGMFDINAENWLDDEEYDRVEYGMNSTSDRFDWVS YVDDL YLVKDSA

>comp11228_c0_seq2; 304 250 1152 LEN=1593; translated
MRFLLNTARRSAKSTPAVKANKKVIDSFVGT DANKSHVTKSWGQQCSPTCGCVLRFEATV
DKRQRI IDCY TAKSVVTTIDQENGRRLRPLYTTRTTRLMFQECNCQSIHALAKQVTDYL
PNKRFDHIKGMNDFASIRSSIGFRHSVLVENDLPRDTHCFDIVEEAFTGMISGKIPSRR
PMDAAFKIMVAAESLRSGSVVFASRRKRNEKHAQSKSHQRHERKEGDTDSFGRR LGVDR
NRINMSTSKTMSTLGMFDINAENWLDDEEYDRVEYGMNSTSDRFDWVS YVDDL YLVKDSA

>comp11229_c0_seq1; 360 168 1130 LEN=1365; translated
MIDNDNLPHLLLYGPPGTGKTSTIVAAAKRMYGASKYSSMTLELNASDARGIGVVRNEIK
EFAGTQQLFSRGVKLIILDEADAMTSDAQFALRRVIEKYTKNARFCLICNYVSKIIPALQ
SRCTRFRFAPLAPSQIRGRLEEVAREEKVPITKDGVEAILDLSGGDMRRV LNLQSTAMS
LSATRSSVAATSSDMEIDDENASRNAAVDEIAVYTTSGSPLPKDIDEILASLLNDSFRDS
CNKISEMCTTNGYALADILKQLTLKLCAMKGLDSIPLGRLLDGMSQVECLAMSGIEEKI
QTASLVGVFVETRERLEIKQ

>comp11229_c0_seq3; 424 106 1185 LEN=1420; translated
MSLSGKAKDNSNLPWVEKYRPERLEDLVAHEKIVNIITTMIDNDNLPHLLLYGPPGTGKT
STIVAAAKRMYGASKYSSMTLELNASDARGIGVVRNEIKEFAGTQQLFSRGVKLIILDEA
DAMTSDAQFALRRVIEKYTKNARFCLICNYVSKIIPALQSRCTRFRFAPLAPSQIRGRLE
EVAREEKVPITKDGVEAILDLSGGDMRRV LNLQSTAMSLSATRSSVAATSSDMEIDDEN
ASRNAAVDEIAVYTTSGSPLPKDIDEILASLLNDSFRDSCNKISEMCTTNGYALADILKQ
LTLKLCAMKGLDSIPLGRLLDGMSQVECLAMSGIEEKIQTASLVGVFVETRERLEIKQ

>comp11230_c0_seq1; 447 232 1260 LEN=1853; translated
MKARMISLSLLVPSAVGFTSSGSQRTSATQLHVG TNSNEMMPLKRGSTCALITPFTEDNK
IDVPGLEKLIDFHLEAGTDNLCVLGTTAEASVMSMDERELALKTIVGKAKGKIPLMVGVG
TIDPNDVKKYTQQAIDLGADASLLVTPYYVKPPQRAMISHFTTMADMGLPVVLYNVPGR
TAVDLS DSTVATLSQHENIVGIKDATGDVSR L TSLKNVLGEEASRNFLKFSGDDGTTDFV

LEGGDGCISVTANIVPKAVREMVHAALDGNLQALAIELNQLALLNSRLFVESNP IPAKWC
AHRMGIIDSPFCRPLDMDPQFKDFMEEALASANMLVHAQQ
>comp11230_c0_seq2; 415 255 1163 LEN=1756; translated
MPLKRGSTCALITPFTEDNKIDVPGLEKLIDFHLEAGTDNLCVLGTTAEASVMSMDEREL
ALKTIVGKAKGKIPLMVGVTIDPNDVKKYTQQAIDLGADASLLVTPYYVKKPPQRAMISH
FTTMADMGLPVVLYNVPGRATAVDLSDSTVATLSQHENIVGIKDATGDVSRLTSLKNVLGE
EASRNFLKFSGDDGTTDFVLEGGDGCISVTANIVPKAVREMVHAALDGNLQALAIELNQP
LALLNSRLFVESNP IPAKWC AHRMGIIDSPFCRPLDMDPQFKDFMEEALASANMLVHA
QQ
>comp11231_c0_seq1; 605 158 1972 LEN=2209; translated
MSVEVFQGFQDMDKKERKAALKKEAEKRGISYDEMCKQYKNSTPSGGKRKKNEADKLESD
EHKKDIKRMRSYSKDLTDEKKDDGPD SKRRRTRSMDEAEKKA AAAEKNLTPPEWRKEQ
TITLKGHGKYASESKFANPFIEFSDAPFSDRIQRTLSAAGFTRPSAIQAQAWPLAIEGKD
LISIAKTGSGKTCGFLLPVFHDYEKNRTGRSGGYTKPILLVLPAPTREL CVQISEESRKF
NPLGVRVSVCCYGGSSKYPQIQALQRGVECI IACPGRLNDLIEMKKCDLSGIKYLVLDEAD
RMLDMGFEPQIRSI VEKTNAAATRQTL LFSATWPKEIQRLAHDFLKDVPVQINVGEVNALVA
NKDIKQTIHMISEEEKIDKLESILKELTAEAGGND DKARVANGGKAHAKVIVFVAKKISC
NDLANKLWDDGFAVDCLHGDRPQWERSKVMNAFKSGTLRMLIATDVAARGLDVKDVGVVV
NYDMPAGVNGVEDYVHRIGRTGRAGAKGIAHTFFT GKDRKCATGLVEVLTKAEQEI PPEL
AAMGRPRFGRGGGRGGYGRGRGRGGGGGRGRGYMSGGGGGYGRGRGGGGYGGGRFGGGRG
GYRR
>comp11231_c0_seq2; 609 158 1984 LEN=2221; translated
MSVEVFQGFQDMDKKERKAALKKEAEKRGISYDEMCKQYKNSTPSGGKRKKNEADKLESD
EHKKDIKRMRSYSKDLTDEKKDDGPD SKRRRTRSMDEAEKKA AAAEKNLTPPEWRKEQ
TITLKGHGKYASESKFANPFIEFSDAPFSDRIQRTLSAAGFTRPSAIQAQAWPLAIEGKD
LISIAKTGSGKTCGFLLPVFHDYEKNRTGRSGGYTKPILLVLPAPTREL CVQISEESRKF
NPLGVRVSVCCYGGSSKYPQIQALQRGVECI IACPGRLNDLIEMKKCDLSGIKYLVLDEAD
RMLDMGFEPQIRSI VEKTNAAATRQTL LFSATWPKEIQRLAHDFLKDVPVQINVGEVNALVA
NKDIKQTIHMISEEEKIDKLESILKELTAEAGGND DKARVANGGKAHAKVIVFVAKKISC
NDLANKLWDDGFAVDCLHGDRPQWERSKVMNAFKSGTLRMLIATDVAARGLDVKDVGVVV
NYDMPAGVNGVEDYVHRIGRTGRAGAKGIAHTFFT GKDRKCATGLVEVLTKAEQEI PPEL
AAMGRPRFGRGGGRGGYGRGRGRGGGGGRGRGYMSGGGGGYGRGRGGGGYGGGRFGGGRG
GGRGGYRR
>comp11232_c0_seq1; 223 59 1280 LEN=1840; translated
MDFSHPPKVASSIPHSQPVVSM DYHADGNHLFVASEMDSKVTI VDAVRTGKPLDNGHNRG
QSFRCDEGV SCLSATHNDYCVLTAGNKETT VQYWSLYDNKILRKFRGHTSTIHEINICP
SEDMFLTSSKDKTVRLWNLQQSGCVAKLDLPSSSVSAAGNPRV VFDSTGMVFTILAEMAD
GEGHYLHLYDARNYQGGAFSELKLT TKSVEAMQTHRVPQPPLRPGAALALNKIDFNASG
NRILVQSEEG LALVLDGYDGT LQRVFSSTVGRGTVSCFCPDDKSVLLGN DGTIDVFDLQ
SGSLVTKLEGGHNGPNTTPKSPVRALAAIQDTRKSPRAGTPTRGASRRLSVFSLFAPV FV
VRDFRRWEWV LVLVVV PYTDFVLFVLPILPPI SDPIACRPSLWIW
>comp11232_c0_seq2; 359 59 1105 LEN=1665; translated
MDFSHPPKVASSIPHSQPVVSM DYHADGNHLFVASEMDSKVTI VDAVRTGKPLDNGHNRG
QSFRCDEGV SCLSATHNDYCVLTAGNKETT VQYWSLYDNKILRKFRGHTSTIHEINICP
SEDMFLTSSKDKTVRLWNLQQSGCVAKLDLPSSSVSAAGNPRV VFDSTGMVFTILAEMAD
GEGHYLHLYDARNYQGGAFSELKLT TKSVEAMQTHRVPQPPLRPGAALALNKIDFNASG
NRILVQSEEG LALVLDGYDGT LQRVFSSTVGRGTVSCFCPDDKSVLLGN DGTIDVFDLQ
SGSLVTKLEGGHNGPNTTPKSPVRALACNPRYAQIASGNSNTSLWIW
>comp11233_c0_seq1; 494 619 2571 LEN=4333; translated
MATTNADSSNRNLNALATNHASTTSASAGSGENEGWSRGGRFANSRE VYTRSLFRVC
LKFTTSEDEDEGKPEPGTAFWTL YGRQTTIGNGPPSSNADDICRRMDDSMTGPSAGILA
RLSDFDGEQAAGYALRAGMTTGWHIRGDRGDAAVRVGKAKVFSGKNGPDGPTREAQILSL
DADRWILCKGASFAAGNSVFNVEDVNEGKQKITIHC SKGPMRGLIDIHASRCPFVFGRA
HEADLCIMDRELSRKHGAI VYLPNRNARGARLNGIGSFVLVDLESTNGTYMRLVGPYGYR
GMGSLAIGDEFIVGRTGFS LNRFDYGISEAIGARPTMEDRTIVVQSLLYEPQHGYHKNEP
KDTLQELAMTTFAAVFDGHGDECSNYLVETLPHQIREHMYAERSALSAAIESRSMARP
EQATEDAA SELMRKILKAYLKT DKDFITPKNAPQSGSTAATLIVMGRRLFAANVGDSRV
VLCRVGGQCVELTSDHKPSRPDEAARVRAAGGFILHKRVMGELAITRAFGDKSFKMGIKA
MLEDEADEIARGLNENSEAKDLTAPLVSAEPEIASLVMSHNDEFLL LACDGLFDVFRSQD
AIALARQELIAHRGEPAEVARILSDQAIRVRRSRDNVSILIVLRPFWEM

>comp11233_c0_seq2; 494 619 2571 LEN=3317; translated
MATTNADSSNRNLNALATNHASTTSASAGGSGENEGWSRGRQFANSREVVYTRSLFRVC
LKFTTSEDEDEGKPEPGTAFWTLYGRQTTIGNGPPSSNADDICRRMDDSMTGSPAGILA
RLSDFDGEQAAGYALRAGMTTGWHIRGDRGDAAVRVGKAKVFSGKNGPDGPTREAQILSL
DADRWILCKGASFAAGNSVFNVEDVNEGKQKITIHC SKGPMRGLIDIHASRCPVFGRA
HEADLCIMDRELSRKHGAIVYLPNRNARGARLNGIGSFVLVDLESTNGTYMRLVGPYGYR
GMGSLAIGDEFIVGRTGFSLNRFDYGISEAIGARPTMEDRTIVVQSLLYEPQHGYHKNEP
KDTLQELAMTTFAAVFDGHHGDECSNYLVETLPHQIREHMYAERSALSAAIESSRSMARP
EQATEDAASELMRKILKKAYLKTDFITPKNAPQSGSTAATLIVMGRRLFAANVGDSRV
VLCRVGGQCVELTSDHKPSRPDEAARVRAAGGFILHKRMGELAITRAFGDKSFKMGIKA
MLEDEADEIARGLNENSEAKDLTAPLVSAEPEIASLVMSHNDEFLLACDGLFDVFRSQD
AIALARQELIAHRGEPAEVARILSDQAIRVRRSRDNVSILIVLRFWEM

>comp11234_c0_seq1; 258 731 3183 LEN=4467; minus strand; translated
MSQPSHYIFQVVPLRECKDNLQATLSKIQQFFPGRYKALYRLQSSLYAAEKHIIDYVUNA
SQSVKKPKGIHDYGDILRALEYLKQASRKANASKPRDCE SNISKQRSRPQSPREPPLEHQ
FQRNKTGRSVDSQLVFLVVLQLLLVRIDDAHYVIAGYRMDLSSDSVGRKRKDNPNF
ARKRSRGSNNLSSIGFCLGVGLIAGVLGRKCVGERHIKPRVLP MYFPHGTSLLLAATKA
GGSLAGLVLFNFINTCWMTDKIVRSSNELSEWSKRWNLVHGAVGDRKGRERGCFSPTV
VAENELPRIATPKGSIDADRKARILIECAKKNFKAYFWSSTGEIRFFILKRFMDIYYAS
IGAGVHCTKEKPNFFLPLVAGVAACFYTITGAPTSPVND DASC DLIRHAWKQEWITQI
PNGLFNAFLSSRWLTFHSRGMVSLPLLKNLTLRASRM IKGASVADRIVLGGVSCFVLSKD
PAPELAGILRSQARKGFRNSLGYFSQLPTIDETETHQDEGNPVRKKIVGSKGQHHQRDVI
LHLTGGGFFAHTIASDLPYLLDWSSTGAVVICPEVSPSPSKSFR LFRSDP THSIFGLVL
VVAENQFPVQLNQIFAIYKLLATGNTGTSLGFDANSIIVTGESVGGNLAALCVKLAMGN
IQAEGRGGNLD ESSPLNGGGDRPKRMPDAIVLSCPALNLATEVSRSRSTGTEDPVLPSAL
LSAISDAYVSSERERRHPLASPCYAPDEILRRFPALLFAGARDPLLD DSLAFHERLRL
GVDSEIVAVNNVPHAYLGLGTAGFP GAVRVQYAVDW

>comp11235_c0_seq1; 246 460 840 LEN=1185; translated
MVRPANMVSTTAHQAFLTEEETLAILNKSNECIESECAVDEVEDELLTVLKDTEKELEGRL
EKIMNTISHLQHINEKEERQTDEVRAFVRDLRVFDTGKPAFSPQGFSGDIGKGARTAYD
VLPPKKW

>comp11236_c0_seq1; 317 74 1078 LEN=1113; translated
MNRIRHSYNRRSSKGTDFNIFVSWIISLCAVLSTKLFSCSSAFTRSSLSLVQPTASHKL
PVVGRGPLFSSSLTDVYDNDREEAIRVKKKEELAKRRGVSSKTGQGQNRVKDDQEWKFFDTA
RVHVTGGDGGNGCVSFRREKGEPMGGPNGGNGGRGGSVWFV CDES VNTLAPLRNKVHIRA
GKARNGLGKKGKQKGDIMPVPPGTVVRELHTQKLAGELKVDGEKMLVAKGGRGGRGN
AAFKTDRNTAPKIAERAEPGAQRWLSVELRLVADVGF LGKPNAGKSTLLAAASAARPKIA
NYPFTTIVPNLGVCDISEEGAGLVLC DIPGLIEG

>comp11236_c0_seq2; 664 74 1966 LEN=2014; translated
MNRIRHSYNRRSSKGTDFNIFVSWIISLCAVLSTKLFSCSSAFTRSSLSLVQPTASHKL
PVVGRGPLFSSSLTDVYDNDREEAIRVKKKEELAKRRGVSSKTGQGQNRVKDDQEWKFFDTA
RVHVTGGDGGNGCVSFRREKGEPMGGPNGGNGGRGGSVWFV CDES VNTLAPLRNKVHIRA
GKARNGLGKKGKQKGDIMPVPPGTVVRELHTQKLAGELKVDGEKMLVAKGGRGGRGN
AAFKTDRNTAPKIAERAEPGAQRWLSVELRLVADVGF LGKPNAGKSTLLAAASAARPKIA
NYPFTTIVPNLGVCDISEEGAGLVLC DIPGLIEGAAGGAGLGP AFLRHVQRCKVLLHVVD
GSADDPIGDFITINEELRKHDPFLAEKPQVVVNKVDISEVKEMEDDIISELKRKAGHSR
VLPISAATTENVKELMGR LKKFVSVQPEADLPPIVEVDLSKASLEYDSDDYEIISDPAYP
GQWRVKGEYIEQVARMTHWEYPEAVARFGRQLEAIGISNDLQLRGAEDGDLVMVDKYDFE
FNSYYNNQYIPQELLEKDLMYDDNGNYIPPSEEEDEIPAWRPFNEGGFLDVDSDELEGFM
DEEWFMD EDDFDEDEGEFIFSDDEVWTSDD

>comp11236_c0_seq3; 456 1 958 LEN=1006; translated
XYTGTDWWNIFLTLNLYRHCIEXAAGGAGLGP AFLRHVQRCKVLLHVVDGSADDPIGDFI
TINEELRKHDPFLAEKPQVVVNKVDISEVKEMEDDIISELKRKAGHSRVLPISAATTEN
VKELMGR LKKFVSVQPEADLPPIVEVDLSKASLEYDSDDYEIISDPAYPGQWRVKGEYIE
QVARMTHWEYPEAVARFGRQLEAIGISNDLQLRGAEDGDLVMVDKYDFE FNSYYNNQYIP
QELLEKDLMYDDNGNYIPPSEEEDEIPAWRPFNEGGFLDVDSDELEGFMDEEWFMD EDD
FDEDEGEFIFSDDEVWTSDD

>comp11237_c0_seq1; 685 544 2154 LEN=2230; translated
MNGGYGMNGAGASNGMSNNVGYGRDDADQNKYKPKPNRKGSSSFTGGMGFVVGIGLFC
YAILMTTLYWSKSSQTKSMLSRDLDPDTLTVIETMESIKRQLKSSESMRQRNEQATKSKH

SNEINTLERSNRMLKEQLEHHTDVVVPEARGKIEKHTRREKAFADQIGWLMDATRRESKR
MVLERFGAGPHKVSVHYLIPEDPLKSDGPKIKKKFQIDLAPLDLVP HAIHLFLEQVDHGL
LDGTHFYLNPHIVQAGPQPEWGHTAVDGNDDTFYQHHPKKEELSNSAIGTMEKYEKQAQ
KKKQEDHGHDDRFDDDDDDMYENYFNEDYAI EDKRTQRFADMGLEQLAFPDYHQEWP
AWTVGFTGRPGGPDWYINKVDNRQGHGPGGQYQYALNEQGDSCFGVISGGPQREEVKDI
YTGGIYGDNSEWHHFMTHPIEIVHAEILTKEPMDKHIHLTHLTSQHKVYNHRKKHRHID
EELLPESTIHHGEGVDPNNLPNHLKERLAYKKKGAKISINKVKHGHRPHIDGAAEA
>comp11237_c0_seq2; 293 646 1383 LEN=1459; translated
MEKYEKQAQKKKQEDHGHDDRFDDDDDDMYENYFNEDYAI EDKRTQRFADMGLEQLAF
DYHQEWPDAWTVGFTGRPGGPDWYINKVDNRQGHGPGGQYQYALNEQGDSCFGVISGGP
QREEVKDIYTGGIYGDNSEWHHFMTHPIEIVHAEILTKEPMDKHIHLTHLTSQHKVYN
HRKKHRHIDEELLPESTIHHGEGVDPNNLPNHLKERLAYKKKGAKISINKVKHGHRPHID
GAAEA
>comp11238_c0_seq1; 339 251 1264 LEN=1583; translated
MTGGIDEQRAKTALLFREAGPGLTIEMSLNKIYHSTRSEFQQIDVINTYFGKTLVTDGK
TQSAQFDEFAYHESLVHPALLNFANNNNGNGPKTVLIGGGELATAREVLRYP SVEK CIM
VDLDEKVI EVSLEHLEEWGGREVMKDRFELVVGDAYSWILECKDKFDCVIMDISDPIEA
GPGIMLYTKELYEHVVTVMSPNGVFVTQAGIADSV P APYATGGERDTTCFGPIRNTLAEV
FSSVLPYQTQNI PSFGTDWGFV MAYNNSPDGCGAE EWKKMIPQTIDNLVEEQISGGEASF
TYDGI THQRMFHLTKTVRKQLAEDDRIMTKDQPIFMY
>comp11238_c0_seq2; 245 1027 1527 LEN=1846; translated
MDISDPIEAGPGIMLYTKELYEHVVTVMSPNGVFVTQAGIADSV P APYATGGERDTTCFG
PIRNTLAEVFSSVLPYQTQNI PSFGTDWGFV MAYNNSPDGCGAE EWKKMIPQTIDNLVEEQ
ISGGEASF KYDGI THQRMFHLTKTVRKQLAEDDRIMTKDQPIFMY
>comp11239_c0_seq1; 226 757 1224 LEN=1290; translated
MVALSATDFGNFITHPLMKPPSPVNSDRSNSRLVFQKENVSINPSTGLIIFYGTYAGSE
WKFELQRNTRGAEKAKIDATLVE SRGTD DERD V D V DAMEKSLALTTSKFFNDMVFELDGTF
LSFEDMMLTDKGRESSVMSLSRIKVKKFPSPGLEF
>comp11239_c0_seq2; 226 186 653 LEN=719; translated
MVALSATDFGNFITHPLMKPPSPVNSDRSNSRLVFQKENVSINPSTGLIIFYGTYAGSE
WKFELQRNTRGAEKAKIDATLVE SRGTD DERD V D V DAMEKSLALTTSKFFNDMVFELDGTF
LSFEDMMLTDKGRESSVMSLSRIKVKKFPSPGLEF
>comp11240_c0_seq1; 203 1074 1713 LEN=3328; minus strand; translated
MIQQGILTSEILLAFMLYQGQLQNE MMNLFNSYSSLVKSTGAGDKIFELLDRKPPPPGIG
SQQVQMR LGSDAQINDESIGIRFENVEFSYPSRPEQLILRN MNLDICAGSTFALVGPSGC
GKSTIVNLLQRFYDASSGRILVDGQDIRSLDLKLRHRHRIGIVTQDPILFSGTILSNIMYG
MPNATTEDAIDA AKRANA HDFSDFPKATKRR
>comp11240_c0_seq2; 203 1074 1713 LEN=3423; minus strand; translated
MIQQGILTSEILLAFMLYQGQLQNE MMNLFNSYSSLVKSTGAGDKIFELLDRKPPPPGIG
SQQVQMR LGSDAQINDESIGIRFENVEFSYPSRPEQLILRN MNLDICAGSTFALVGPSGC
GKSTIVNLLQRFYDASSGRILVDGQDIRSLDLKLRHRHRIGIVTQDPILFSGTILSNIMYG
MPNATTEDAIDA AKRANA HDFSDFPKATKRR
>comp11240_c0_seq3; 203 1074 1713 LEN=3194; minus strand; translated
MIQQGILTSEILLAFMLYQGQLQNE MMNLFNSYSSLVKSTGAGDKIFELLDRKPPPPGIG
SQQVQMR LGSDAQINDESIGIRFENVEFSYPSRPEQLILRN MNLDICAGSTFALVGPSGC
GKSTIVNLLQRFYDASSGRILVDGQDIRSLDLKLRHRHRIGIVTQDPILFSGTILSNIMYG
MPNATTEDAIDA AKRANA HDFSDFPKATKRR
>comp11240_c0_seq4; 203 1074 1713 LEN=3289; minus strand; translated
MIQQGILTSEILLAFMLYQGQLQNE MMNLFNSYSSLVKSTGAGDKIFELLDRKPPPPGIG
SQQVQMR LGSDAQINDESIGIRFENVEFSYPSRPEQLILRN MNLDICAGSTFALVGPSGC
GKSTIVNLLQRFYDASSGRILVDGQDIRSLDLKLRHRHRIGIVTQDPILFSGTILSNIMYG
MPNATTEDAIDA AKRANA HDFSDFPKATKRR
>comp11241_c0_seq1; 570 92 1381 LEN=1426; translated
MVSTSCYHPIIASLCIASIAFCSAFRANGGCARGMP SRVGISHRSAQSLVVE SGR TATA
TSTQLYMGAGEYKKNLKTFRYLEIECWRQPQFRDLEPVLK SVAESCKQINRIVQRAQT
DDLYGVALGPDGKPLDDNIQGEVQQQLDVL CNTYMLRAFCGGSSSIHSVASEEEDETRC
CSDVMTDSAF AKGEYIAVFDPIDGSKNIDASLPVGSIFGIYKNQPGSEVDESTFLQDGRN
LVAAGYCLFSATTVLV LTHGNGVDGFTLDPDSGAFLHTLKD IRI PRKGKIFSFNEANSRG
FDEPVQRYLNSLKEGTSKVD MAMTARYIGALVADVHNILVNGGIYGY PSTRSNPDGKLRLL
LYECAPMAMIIEQAGGAASNGRKRILEIKPKEIHARSPLFIGSVENVFELDQFYEYYDTD

GATEAKGSK

>comp11242_c0_seq1; 367 170 1414 LEN=1594; translated
MRGEKTVYSDPWVLEDDQGTINDSYSEKSLAAADSLALSPENEVFEHTLPSDGSIDY
NSNFSIATAKNRRRRVAVIAFVSLMIGIIVIVLSVVLTKQKNSNDRENSSQSIDSIEGSL
QSEERMENEGDVEGGAIILEPESEMPDIYYQLKAIVHNPAALLDTDTPEGKAFNVLVEEFE
TQKSPTTRSIDYLDLQRYALLVFYFGTDGGSWTSTDGWATPSGECEDWTGVTTCQKSLVRR
IDLDKNNLHGRIPEDFCLIEGLQYLKLSGNKVELPSCVSNLSSLEELDFKGNFAGELPI
WLHSMPSVTLLDLSDNKFEGSIDMLFPQLSRGSGLFFPKLRTLNLANNKLRGEIPENMLR
RMSNLDELILYGNTLLSGSLNELCKGDGISLIEADCNNVFCCKCTSGNNCPSSL

>comp11243_c0_seq1; 432 185 1096 LEN=1285; translated
MTWYPIDKTERCLMHNSAGVAYESLPCLYENTIGLTYTSIEKGYNPINVRDSMTENPWVP
VLAIAMYGIMIGVGRTYFSTREAWSWRALALWNLGLSVFSLIGFCRVAPQLIHNLHYHS
LSENVCFDPEQMYGSDRMVGTWVQLFVLSKFPPELIDTFFIIVHKKPLILLHWYHHISVLA
YCWHSYVTKAPPGIVFCVMNYAVHAIMYFYYFLMAVKRKPWFNSMYITVSQISQMVG
IVTILGFVVPPLYTSSTGNECHIKKENNAALIMYGSYLMFLQFFFKRYSGKGGKTKAT
KKD

>comp11244_c0_seq1; 235 88 870 LEN=1911; translated
MAAPLRSIFECCALSFLIWAAPTIVLVAANFDFNGGQPKFCKPYTCGKGLTPVQKWPLSFES
SGCSSLGGMIATSGATDGSNDIHERCCDQRAACLQTCGSVKTACDEELKKCVEKNCSEK
GDDEEKNQRASIFSIMVSLENCQPYSAVQSHHCECVPAEDAPAKREDLLHKFYETFS
SPD SVGKAKDLSKKADTTRKMANLMGKLVQKYYPDTIQVKVDPNAERMEQLMRESQKATNTVV
EEDVEAEDDAAAAEEVQEL

>comp11244_c0_seq2; 235 88 870 LEN=1517; translated
MAAPLRSIFECCALSFLIWAAPTIVLVAANFDFNGGQPKFCKPYTCGKGLTPVQKWPLSFES
SGCSSLGGMIATSGATDGSNDIHERCCDQRAACLQTCGSVKTACDEELKKCVEKNCSEK
GDDEEKNQRASIFSIMVSLENCQPYSAVQSHHCECVPAEDAPAKREDLLHKFYETFS
SPD SVGKAKDLSKKADTTRKMANLMGKLVQKYYPDTIQVKVDPNAERMEQLMRESQKATNTVV
EEDVEAEDDAAAAEEVQEL

>comp11244_c0_seq3; 235 88 870 LEN=2058; translated
MAAPLRSIFECCALSFLIWAAPTIVLVAANFDFNGGQPKFCKPYTCGKGLTPVQKWPLSFES
SGCSSLGGMIATSGATDGSNDIHERCCDQRAACLQTCGSVKTACDEELKKCVEKNCSEK
GDDEEKNQRASIFSIMVSLENCQPYSAVQSHHCECVPAEDAPAKREDLLHKFYETFS
SPD SVGKAKDLSKKADTTRKMANLMGKLVQKYYPDTIQVKVDPNAERMEQLMRESQKATNTVV
EEDVEAEDDAAAAEEVQEL

>comp11245_c0_seq1; 482 50 964 LEN=1902; translated
MNTLVSSFVKKVQSKHWKDKLKKRTQKLDPVEQENLLEFLEDHLPSSNGTGSVAVGII
ESDS TAASTAAGVDGDFEGSDSDCSFVEDDYELLQCDLDRASIKLEALQSKRDFLQTRLQTYQE
KIKAAEQLRHQNAEDNGTEQDGDPECHNKRLMAMNEKIEGYKSLKPIEDIYEGIEKELL
SHQLKMESIQDRQLELKLKTEECRVVHELSSNAGGLESQDVPPEEQHAETSQHIGLISNA
CNDNHSSRRRCNDQVLPSEENDVENARVEREECSENTEISIEDSAEESASVSLVPIGEH
SGIT

>comp11245_c0_seq2; 265 1 796 LEN=1828; translated
XQRSSAKATMAPLTFTKTPKASFYALLVLLSFLLCWPCFAFVAPTPATKTPTQQRNH
FDS FSTRHLHATESSGLFKAGLLADEESQERAELASKKLRITISDLGWKQAESRRSS
IRPKLW PFGGSDELAIQDKANYSPEPNCPPEPWLGLEEFYVLVNDTAAADIIFVALAG
GRAFVER DVAESVLDLWGMDSSTTEKTKPKRRRPSKQFDQIAFEQTVKIGQRDFIA
AWSAFLGLTG FALTGIVFPTNPLQLALVDLLDSIL

>comp11245_c0_seq3; 558 1715 3475 LEN=3832; translated
MLVVEEQTKVNPSWFESPVRRVSTSGGTAPFFRLNLTEGLKQLGCRGIEIDKNYWI
GKDL SHAQDEKDFYLQVLRIRERSERDDGNKRVDTEGICLLENFMFDYLGVL
EAKSVEQDGKHG ICQLLVMRNLRNNDYDFRMLDLKIGEKTAQAGWKGKSRMSAL
KHLVMDGLSNSVSEGYRL AGFDGCSEAFESMHPLMDILATDEVKNISTSAVSS
TKRSSVQTSVGLEIDQSQVKLAKRI MLNSLDGTEMLRHFLDLHMEEMGLALE
DHLSPTEVAEIVSHELMSKLI SLAVTCHKVHI POKWIGSSVAVAYDSCFFPS
RSSSHEDDIRSRVLVNI FDWGRSELLTAKEYEDLTKEDAD DRDKYWDLYRAGI
DQLSYNATRFYFHQFSNSTGWMVTIQVMDFDSMSFDDYIGTVEIPL PDLSDS
SALKALGENKAYKLVPRKLTGIAAVLGSSELCFCSISWVKFPSESRLVGVWRVSI
DRAVNLPRMDLVANSSDAYCMVATTDAKESFHRQHFFHQQTICIKARTLNPQW
GETIDIPV ARRGNDSLSMSELTANGISSIDDHNIPLFEWHNEYFHFSDQNMKRW

>comp11245_c0_seq5; 203 1 893 LEN=1250; translated
XSWDKIPLNDIDLLVRSRSVAVAYDSCFFPSRSSSHEDDIRSRVLVNI FDWGR
SELLTAK

EYEDLTKEDADDRDKYWDLYRAGIDQLSYNATRFYFHQFSNSTGWKMVTIQVMDFDSMSF
DDYIGTVEIPLPDLSDSSALKALGENKAYKLVPRKLTGIAAAVLGSELFCISISWVKFPSE
SRLVGVWRVSIIDRAVNLPRMDLVANSSDAYCMVMATTDAKESFHRQHFHQQTICIKARTLN
PQWGETIDIPVARRGNDSSLMSELTANGISSIDDHNI PNLF EWHNEYFHFSDQNMKRW
>comp11245_c0_seq6; 558 1784 3544 LEN=3901; translated
MLVEEQTKVNPSWFESPVRVSTSGGTAPFFRLNLTEEGLKQLGCRGIEIDKNYWIGKDL
SHAQDEKDFYLQVLRIRERSEDDGNKRVDTEGICLLENFMFDYLGVLVLEAKSVEQDGKHG
ICQLLVMRNLNNYDSFRMLDLKIGEKTAQAGWKGKSRMSALKHLVMDGLSNSVSEGYRL
AGFDGCSEAFESMHPLMDILATDEVKNISTSAVSSTKRSSVQTSVGLEIDQSQVKLAKRI
MLNSLDGTEMLRHFLDLHMEEMGLALEDHLSPTTEVAEIVSHELMSKLI SLAVTCHKVHI
PQKWIGSSVAVAYDSCFFPSRSSSHEDDIRSVLVNIFDWGRSELLTAKEYEDLTKEDAD
DRDKYWDLYRAGIDQLSYNATRFYFHQFSNSTGWKMVTIQVMDFDSMSFDDYIGTVEIPL
PDLSDSSALKALGENKAYKLVPRKLTGIAAAVLGSELFCISISWVKFPSESRLVGVWRVSI
DRAVNLPRMDLVANSSDAYCMVMATTDAKESFHRQHFHQQTICIKARTLN PQWGETIDIPV
ARRGNDSSLMSELTANGISSIDDHNI PNLF EWHNEYFHFSDQNMKRW
>comp11245_c0_seq7; 558 877 2637 LEN=2994; translated
MLVEEQTKVNPSWFESPVRVSTSGGTAPFFRLNLTEEGLKQLGCRGIEIDKNYWIGKDL
SHAQDEKDFYLQVLRIRERSEDDGNKRVDTEGICLLENFMFDYLGVLVLEAKSVEQDGKHG
ICQLLVMRNLNNYDSFRMLDLKIGEKTAQAGWKGKSRMSALKHLVMDGLSNSVSEGYRL
AGFDGCSEAFESMHPLMDILATDEVKNISTSAVSSTKRSSVQTSVGLEIDQSQVKLAKRI
MLNSLDGTEMLRHFLDLHMEEMGLALEDHLSPTTEVAEIVSHELMSKLI SLAVTCHKVHI
PQKWIGSSVAVAYDSCFFPSRSSSHEDDIRSVLVNIFDWGRSELLTAKEYEDLTKEDAD
DRDKYWDLYRAGIDQLSYNATRFYFHQFSNSTGWKMVTIQVMDFDSMSFDDYIGTVEIPL
PDLSDSSALKALGENKAYKLVPRKLTGIAAAVLGSELFCISISWVKFPSESRLVGVWRVSI
DRAVNLPRMDLVANSSDAYCMVMATTDAKESFHRQHFHQQTICIKARTLN PQWGETIDIPV
ARRGNDSSLMSELTANGISSIDDHNI PNLF EWHNEYFHFSDQNMKRW
>comp11246_c0_seq1; 174 282 827 LEN=940; translated
MPRGPRAAKGLLLASIRSKDPVVFLEPKALYRASVEEVPVDDYELELGKAEVMRPGTDVT
VLGWGGHLRVLEEACDLAEKQEGISCELIDLQTI VPDVDCVANSVRKTGKLVVSHEAPV
SSGFGAEEVAKLQEECFYSLEAPIQRVCGYDTPFPLVFEKHYIPDKLKNFEAIKRVFADSI
>comp11246_c0_seq3; 208 702 1585 LEN=1698; translated
MSGGTAVGEIQFADYIFPGTCKVNRAAAPIIRALRVSHVPNWFMYCNTILTFIQRSIKL
STKWLNFIDIDQAINGTAEALHCGARVALLVTADTTIXQSPEAFLSHIPGIAVVMRGPRA
AKGLLLASIRSKDPVVFLEPKALYRASVEEVPVDDYELELGKAEVMRPGTDVTVLWGGH
LRVLEEACDLAEKQEGISCELIDLQTI VPDVDCVANSVRKTGKLVVSHEAPVSSGF
VAKLQEECFYSLEAPIQRVCGYDTPFPLVFEKHYIPDKLKNFEAIKRVFADSI
>comp11246_c0_seq6; 226 161 706 LEN=819; translated
MPRGPRAAKGLLLASIRSKDPVVFLEPKALYRASVEEVPVDDYELELGKAEVMRPGTDVT
VLGWGGHLRVLEEACDLAEKQEGISCELIDLQTI VPDVDCVANSVRKTGKLVVSHEAPV
SSGFGAEEVAKLQEECFYSLEAPIQRVCGYDTPFPLVFEKHYIPDKLKNFEAIKRVFADSI
>comp11246_c0_seq7; 347 190 1377 LEN=1490; translated
MNTISTTNPAAATRMFRRSVSALHRNRVRSFGFCGATENSVAGASFSTVALSASPSTTTTA
TTTPGSETKSMNLF TAINNALSIALETDPSSIVFGQDVAFGGVFRCTQGLQDEF GPD
NTPLSENGIAGLAIGYSTMSGGTAVGEIQFADYIFPAFDQIVNEMAKFRYRSGNQWNCGG
VTLRSPCGAVGHGGHYHSQSPEAFLSHIPGIAVVMRGPRAAKGLLLASIRSKDPVVFLE
PKALYRASVEEVPVDDYELELGKAEVMRPGTDVTVLWGGHLRVLEEACDLAEKQEGISC
ELIDLQTI VPDVDCVANSVRKTGKLVVSHEAPVSSGFGAEEVAKLQEECFYSLEAPIQR
VCGYDTPFPLVFEKHYIPDKLKNFEAIKRVFADSI
>comp11246_c0_seq9; 225 190 1488 LEN=1601; translated
MNTISTTNPAAATRMFRRSVSALHRNRVRSFGFCGATENSVAGASFSTVALSASPSTTTTA
TTTPGSETKSMNLF TAINNALSIALETDPSSIVFGQDVAFGGVFRCTQGLQDEF GPD
NTPLSENGIAGLAIGYSTMSGGTAVGEIQFADYIFPAFDQIVNEMAKFRYRSGNQWNCGG
VTLRSPCGAVGHGGHYHSQSPEAFLSHIPGIAVVMRGPRAAKXETSLTVIDSNAXFYMI
FLVSNQEPFQPYFDAYLSIFXGLLLASIRSKDPVVFLEPKALYRASVEEVPVDDYELELG
KAEVMRPGTDVTVLWGGHLRVLEEACDLAEKQEGISCELIDLQTI VPDVDCVANSVRK
TGKLVVSHEAPVSSGFGAEEVAKLQEECFYSLEAPIQRVCGYDTPFPLVFEKHYIPDKL
KNFEAIKRVFADSI
>comp11247_c0_seq1; 303 1 741 LEN=786; translated

QQQQQQQAADATGSSPSDNKVTTTPNTEMPEDLLKFIQDVGPARGSVDRDFTTSRLLKE
EHSDELNKAESARTAKRERVRLMQLGDDNFTTEKNTNFSVGDVSASVADEHDFGLSNLQ
LYDLMVASDAGVDDAVDVDAFHEKAVSDNREDEGRPDPPSAASLKEAEKSKAKELALLSQ
TLEVL EIPALRMNADGDILGLYKNDVPGPEMTTITTTIPEDKIIMVLKDL SINGKSNMHA E
RTPTGH

>comp11248_c0_seq1; 289 483 977 LEN=1412; translated
MQQSRLCDGGMQEMTTAAACVNEVFPNATIRTNRRQLKEDMDAGPNPSLVISLDDCDDEN
ESDNGNAGNGKRDKTTSINGGQTTKTNESGTVLWSREQRNLF EKYPKRRRSIKDIRECL
IALKESWSAASSSTTNSCSIISTAPPISKSVDISTNNGDACGK

>comp11248_c0_seq2; 323 131 754 LEN=1189; translated
MSLGEADRKRKAAEHLASAKHQEEIEPPKQKPKALPSPQNFVVYSRLCDGGMQEMTTA
AACVNEVFPNATIRTNRRQLKEDMDAGPNPSLVISLDDCDDENESDNGNAGNGKRDKTTS
INGGQTTKTNESGTVLWSREQRNLF EKYPKRRRSIKDIRECLIALKESWSAASSSTTNS
NCSSIISTAPPISKSVDISTNNGDACGK

>comp11249_c0_seq1; 259 125 613 LEN=830; translated
MKSPISILSLLLLAVVGSQAFTTQSSSSLRNSPRTADTRLYLDIGSMIRNFGKKATASHI
LIGPVGSRGTGRGMLQEDAI AKLTELKEEINNDPEKFAEYAYKEYSSCRSSAKGGDLETFGP
GMMVKQFDKICFEDEVGVVHGPISTAYGEHLILVRERTGDDK

>comp11250_c0_seq1; 135 67 411 LEN=411; translated
MVRFTISATPCSLALLLLWQQHTATDGFNSRLATTARATEGGSALFGYAAFQYEENDAIM
QEQNGGVVPTKPRTPVQTVPSAMSKITVTKPSDDQHDANFHTVKTVP SAMSRIER

>comp11250_c0_seq2; 64 1 195 LEN=310; translated
GSASDDQHDANFHTIRTVSPVSDTRRPRKSSGLESTSRVTSSTANFCKK SCTYERGEHD
PYEE

>comp11251_c0_seq1; 606 148 1902 LEN=1922; translated
MLLTRVTTGFSKALNARRVLQSTSSGFFSFHDNGKNNGHTKIKYEQGSRCQRSGISSLSM
STAEPTIPSATTAARAAAEVTVVTK EAVPQVVSVPNKFPV PKPFDYHQQLTIKIDSLTNMG
WGVGRVKLSEKTTDSFADNNSDNTDGEEMDERM WVVMVPHVLVGETVRVSI FRNMKGH
SEADLVEIVEPSPERVV PKSLAGTCGGCQYQHMSIKAQREWTKKHVEEVL MQQDIQGYN
TPELLDVLPTSGTDEVYGYRSKITPHYQAPIENPDGTFELQAIGFQRSSNRNLVDVPECF
IAMPDINKKYKETRVLHEEAKRGLLNQPPKKKKRRRGRSGGAKGATLLFRQADDEDDE
NGISKPLVVTDNQYMTTITIKGLKFRYIAGNFFQNNYV VPLMVDVAVVKAASIPVSATGK
PPSKLIDCYCGSGLFAISAASNFDLCVGIELNAKAI E EATANAVSNGITNCQFMAASAEA
IFTSPPEITVAGFEQERVQTFDRQETVVI VDP PRKGCSEEFKQLYDYNPQRIVYMSCGP
ATQARDAKGIVEVGGYEITSIQPFDFLPQTKHIESLVVFEKKES

>comp11252_c0_seq1; 271 1 780 LEN=845; translated
DDDDDDGKISDARSLESTEAVAFDIECRHIPRSHNPISDSL CNLNMNIIAAKSWNDSIQ
KLEEA EKHVMDHEL SASSPHTISERLSNILETTT KTKYSLRPPVYDMLADLAVRTKDYK
LLVDIGERLVEEGSFKTKPHSSKRRHGSSTSPMDAMKIEGNQKKKGI RYQIEGWRGLGKE
KKARFLERKHKVLLSSDGGDDYNYVSNRALKGLGDIAMGDWGT AIPDTWKPVVHKWFASV
RYDSEDELVPLWEENIDRQ

>comp11255_c0_seq1; 641 95 1477 LEN=1744; translated
MSYTTPSKRRGGVETVSHTHFIFPVLKNAEILQCLDELGIEVCKTELAEPQRHREKVRKI
FWQLLEHCCGITEDDIDKLCPKNLDQYVPPAEAE LHDNFVDMLFFKMRKMMETCGIVDF
SWKDIHVPTSKRLRCQLSAVINMAKFREEQLKIYAELNEPRHQLLV TLEELHAENVQLQE
QLNIVLAESSQOMDEFDMVAKECQELESEIASSNKLQASKREEASKLKIEMTR LKDELAA
ATWSLQESQAEERLLGQVVSSPTRRKKELDTKKDALEKEKAETRRLQQEITDGKTKIAA
LQQATKDLQETIALQRNILEESSKYEEAAGKLEDAEKEVEANQEKASELEEKTQDSERSL
ARMEEKVVHMHRQSKMKLDAAQDNIEIAKEQLLIVERDRREGLARVEAGEAEVRSIKAQM
ESEQKKEEIEAIVEEYKLEKSFLKRNEQRIILIDSAM

>comp11255_c0_seq2; 449 95 1078 LEN=1275; translated
MSYTTPSKRRGGVETVSHTHFIFPVLKNAEILQCLDELGIEVCKTELAEPQRHREKVRKI
FWQLLEHCCGITEDDIDKLCPKNLDQYVPPAEAE LHDNFVDMLFFKMRKMMETCGIVDF
SWKDIHVPTSKRLRCQLSAVINMAKFREEQLKIYAELNEPRHQLLV TLEELHAENVQLQE
QLNIVLAESSQOMDEFDMVAKECQELESEIASSNKLQASKREEASKLKIEMTR LKDELAA
ATWSLQESQAEERLLGQVVSSPTRRKKELDTKKDALEKEKAETRRLQQEITDGKTKIAA
LQQATKDLQETIALQRNILEESSFEML

>comp11256_c0_seq1; 456 113 1357 LEN=1742; translated
MGACCNDKPKSSIA PGSSGRKRSVLLLCIAIAIAFVFQYVVAHYVVNIKIDNYVTNAWL
SGCNDLET KALVERCAGQTGVYRAAFSALVFFLLAAVAVACKRTANREAWPAKYILFLFM

VAGMCFVPNDPLFTSIYLNVARVGTIFFILFQQVIFVDLAHNWNDGWVERSNKAESEETR
SGKKWLVAIVVSAAFLLLLASVMGWGLLFYFFGGCGTNVAFIAITIIILSLTVVGAQLTGNE
GSLASSIITAYATMLCYNVARNPNAVCNPQLKTDDVLSIAIGVGLTVVSLGYVGSAT
ADNSLGGDATFDSSDDDDIENIDTALSSTEENSRTITGVVANYQSTKIDKDNKVGVGETGE
NSSKENIPNTFSNNWKLNVALAAVTCWFSMALTDFTIQADGTVANPQIGDANMW
>comp11256_c0_seq2; 471 127 1440 LEN=1825; translated
MVPFISCIIVSSVTFCFCSAGASLMGACCGNDKPSIAPGSSSGRKRSVLLLCIAIAIAFV
FQYWVAHYVNIKIDNYVTNAWLSGCNDLETKALVERCAGQTVYRAAFSALVFFLLAAV
AVACKRTANREAWPAKYILFLFMVAGMCFVPNDPLFTSIYLNVARVGTIFFILFQQVIFV
DLAHNWNDGWVERSNKAESEETRSGKKWLVAIVVSAAFLLLLASVMGWGLLFYFFGGCGTN
VAFIAITIIILSLTVVGAQLTGNEGSLASSIITAYATMLCYNVARNPNAVCNPQLKTDD
VLSIAIGVGLTVVSLGYVGSATADNSLGGDATFDSSDDDDIENIDTALSSTEENSRTITG
VVANYQSTKIDKDNKVGVGETGENSSKENIPNTFSNNWKLNVALAAVTCWFSMALTDFTI
IQADGTVANPQIGDANMW
>comp11257_c0_seq2; 493 178 1626 LEN=1770; translated
MSLTANFCAIQVASLGLAILVLSLPSLVEVTAFSVNVNSCPSTPCAVLLPGLHRISRHC
LRSSSDNDNDDDETDQPPQRWPDFAKDWSLRSLSMWIMGGLTMAATTGTAVPVLAAADFQ
EGISPVTKSALGISIRSTVQSAKLVDVLDLKWERFSDSLRDQKCDPRTNRRLFDNGIR
SDGTPRGNPVLGALCEPVPLKVVDDEGLYKLVLDQGLDAAAYETLGNNNIDRSTLRGMVDQ
TRDKLEPVFARAINDGNSVSQPTASAPSIDEAKKRQRYNLETFARIRAYSEAVSKTPPFL
SSSSTPAATTKPQSKASFTREIGRKLELVWGRNLEILAGPTSSESYEFQSPFPKDPDIP
LPYDADQLANALGAIKESLTKLQDGGGLIGHWEISIPEDDYGEVVTIAVDDDDVCLGAQILA
REENSPLNGSPVAMVRSALDRAKIPYAALDVFFIDPNTTKNELYNPTQLLISLRNLGE
EP
>comp11257_c0_seq3; 416 178 1713 LEN=1713; translated
MSLTANFCAIQVASLGLAILVLSLPSLVEVTAFSVNVNSCPSTPCAVLLPGLHRISRHC
LRSSSDNDNDDDETDQPPQRWPDFAKDWSLRSLSMWIMGGLTMAATTGTAVPVLAAADFQ
EGISPVTKSALGISIRSTVQSAKLVDVLDLKWERFSDSLRDQKCDPRTNRRLFDNGIR
SDGTPRGNPVLGALCEPVPLKVVDDEGLYKLVLDQGLDAAAYETLGNNNIDRSTLRGMVDQ
TRDKLEPVFARAINDGNSVSQPTASAPSIDEAKKRQRYNLETFARIRAYSEAVSKTPPFL
SSSSTPAATTKPQSKASFTREIGRKLELVWGRNLEILAGPTSSESYEFQSPFPKDPDIP
LPYDADQLANALGAIKESLTKLQDGGGLIGHWEISIPEDDYGEVVTIAVDDDDVCLGAQILA
REENSPLNGSPVAMVRSALDRAKIPYAALDVFFIDPNTTKNELYNPXAAFQLAEPGG
RTIKIPDYLLSKQLDKRPVFNPILYEVRKPVX
>comp11261_c0_seq1; 449 630 2363 LEN=2399; translated
MDAPAESSGREDSKTPDHASKAEITPPEKINDPVHSKNGDTPGTSNGYPQVIHPHETPQ
QSAYYGSYNNNPQITPESPSNSNGRATYNAGGSFFQPPQSVGAFQNSPFTNEGMPHYAG
NNTLQPPSSPTQSMGGIPPASPLFPRMTAGAI PAYLNTPRGGDTSMNPGMSPVPSGYASS
NGMYIQGAYPVLSGRPSGSSSGNNSSTFNSNNGNEEFVAVNENRNAPYSISPAHGGMPFV
PGIQHRPDRSSSFDDTSVPHSSLDGPQEIYAGAGPGPQAWGYGPPPPDSYGNNANVTHVPL
RTSGGPPVPYPGGQYRPPPNYINAGPYGGFNPTNSPGPIQTTGSNKGPDGANLFIHFI
PNHFVNLDMYQLFSPYGRLLSVRIMVEKDSGRSRGFGFVSYDNPDAALAIKELNGFAIG
NKRLKVQHKQIRPAEQEANSVNTVSTGGYPGGGRGRGGRGAFSGRGRPNLPPSGAAYMP
SGGFYNATNDLNDNPSPPPAVSGS IASGEAKNVVVVLGNGPSNSTNVPTTETAVATSAVS
RQDKHKATSDPLSKMDPLGQTLDPDIGGAATAAVSHDN
>comp11261_c0_seq3; 449 1197 2930 LEN=2966; translated
MDAPAESSGREDSKTPDHASKAEITPPEKINDPVHSKNGDTPGTSNGYPQVIHPHETPQ
QSAYYGSYNNNPQITPESPSNSNGRATYNAGGSFFQPPQSVGAFQNSPFTNEGMPHYAG
NNTLQPPSSPTQSMGGIPPASPLFPRMTAGAI PAYLNTPRGGDTSMNPGMSPVPSGYASS
NGMYIQGAYPVLSGRPSGSSSGNNSSTFNSNNGNEEFVAVNENRNAPYSISPAHGGMPFV
PGIQHRPDRSSSFDDTSVPHSSLDGPQEIYAGAGPGPQAWGYGPPPPDSYGNNANVTHVPL
RTSGGPPVPYPGGQYRPPPNYINAGPYGGFNPTNSPGPIQTTGSNKGPDGANLFIHFI
PNHFVNLDMYQLFSPYGRLLSVRIMVEKDSGRSRGFGFVSYDNPDAALAIKELNGFAIG
NKRLKVQHKQIRPAEQEANSVNTVSTGGYPGGGRGRGGRGAFSGRGRPNLPPSGAAYMP
SGGFYNATNDLNDNPSPPPAVSGS IASGEAKNVVVVLGNGPSNSTNVPTTETAVATSAVS
RQDKHKATSDPLSKMDPLGQTLDPDIGGAATAAVSHDN
>comp11261_c0_seq4; 402 630 2523 LEN=2559; translated
MDAPAESSGREDSKTPDHASKAEITPPEKINDPVHSKNGDTPGTSNGYPQVIHPHETPQ
QSAYYGSYNNNPQITPESPSNSNGRATYNAGGSFFQPPQSVGAFQNSPFTNEGMPHYAG
NNTLQPPSSPTQSMGGIPPASPLFPRMTAGAI PAYLNTPRGGDTSMNPGMSPVPSGYASS

NGMYIQGAYPVLSGRPSGSSSGNNSSTFNSNNGNEEFVAWNENRNAPYSISPAGGMPFV
PGIQHRPDRSSSFDDTSVPHSSLDGPQEIYGAGPGPQAWGYGPPPPDSYGNNANVTHVPL
RTSGGPPVPYPGGQYRPPPNYINAGPYGGFNYPNTSPGPPIQTTGSNKGPDGANLFIHFI
PNHFVNLDMYQLFSPYGRLLSVRIMVEKDSGRSRGFGFVSYDNPDAALAIKELNGFAVS
YALCDLRFGGDRTIFAHMISRITLKCLTNCLSRYYTTFQFRSFCISRLNKHHMIGNKRLKVQ
HKQIRPAEQEANSVNTVSTGGYPGGGRGRGGRGAFSGRGRPNLPPSGAAYMPSGGFYNA
TNDLNDNPSPPPAVSGSIASGEAKNVVVVLGNGPSNSTNVPPTTETAVATSAVSRQDKHKA
TSDPLSKMDPLGQTLPLDIGGAATAAVSHDN

>comp11261_c0_seq5; 402 1197 3090 LEN=3126; translated
MDAPAESSGREDSSKTPDHKSKAEITPPEKINDPVHSKNGDPTPGTSNGYPQVIHPHETPQ
QSAYYGSYNNNPQITPESPSPNSGNRATYNAGGSFFQPQSVGAFQNSPFTNEGMPHYAG
NNTLQPPSSPTQSMGGIPASPLFPRMTAGAIAPAYLNTFRGGDTSMNPGMSPVPSGYASS
NGMYIQGAYPVLSGRPSGSSSGNNSSTFNSNNGNEEFVAWNENRNAPYSISPAGGMPFV
PGIQHRPDRSSSFDDTSVPHSSLDGPQEIYGAGPGPQAWGYGPPPPDSYGNNANVTHVPL
RTSGGPPVPYPGGQYRPPPNYINAGPYGGFNYPNTSPGPPIQTTGSNKGPDGANLFIHFI
PNHFVNLDMYQLFSPYGRLLSVRIMVEKDSGRSRGFGFVSYDNPDAALAIKELNGFAVS
YALCDLRFGGDRTIFAHMISRITLKCLTNCLSRYYTTFQFRSFCISRLNKHHMIGNKRLKVQ
HKQIRPAEQEANSVNTVSTGGYPGGGRGRGGRGAFSGRGRPNLPPSGAAYMPSGGFYNA
TNDLNDNPSPPPAVSGSIASGEAKNVVVVLGNGPSNSTNVPPTTETAVATSAVSRQDKHKA
TSDPLSKMDPLGQTLPLDIGGAATAAVSHDN

>comp11262_c0_seq1; 181 1072 1596 LEN=1693; translated
MCKNGYTARWDHQITRKKGDGKNERCPRLRQGSRPAAPWNPVKVITYAEKREDNHLSLAHL
WWDWYSYYTSVEGNFPFLIIRMEDMVFYPEELITQVCECAGGKIRTDQKFQLITDSAKGD
SRGHDTSTGIYEAWIKYKSKPNTKERYGFSEADYNDARTALNETFMKALGYQHPS

>comp11262_c0_seq2; 275 136 1383 LEN=1480; translated
MALVSPSKASPSQPMLSHPISTQTLARLLLVAASTVLFNIIICLLPHIPGNSLQANPYFF
SEDGFMHTTSKSSGKTNTTVANHHSSRTGSDDRSGKSISDWFRDEAGVVLTPEMKEKLP
WSQVREVVGEGPVLIGLESCPAYREKVPALERMLGSSGMFNTGTNLVTHLLKRNCIEPER
REKMGPNESKESYGMRWQVPWGKHTPVKFRSKHSTQKAKEIKKEFILPVVTRHPYSWFG
SMCKNGYTARWDHQITRKKGDGKNERCPRLRQGSRPAAPWNPVKVITYAEKREDNHLSLAHL
LWWDWYSYYTSVEGNFPFLIIRMEDMVFYPEELITQVCECAGGKIRTDQKFQLITDSAKG
DSRGHDTSTGIYEAWIKYKSKPNTKERYGFSEADYNDARTALNETFMKALGYQHPS

>comp11263_c0_seq1; 261 1 1306 LEN=1456; translated
XFMDTDYKSVDTVPYEHYHPSEICTRPASAVIHEATPTKTFXDKIVAMPDDEEKAGADASL
SAAAEDPRKHKRIKNASIFNFVYPKHVTDKYKLLDAIGRGTGFLVRKCQLIETGEEFALKA
ILKKKVPDVELLKTEITILLEVDHPHIKLYDVYEDIDNVYLVTELCTGGELYDRVVEKT
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DIWSIGVVAYVMLCGYPPFNNGTEFLTWDLVKAGDVI FPSASWDHISEEAI CF IKRLLEF
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>comp11263_c0_seq2; 253 1 1450 LEN=1600; translated
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ILKKKVPDVELLKTEITILLEVDHPHIKLYDVYEDIDNVYLVTELCTGGELYDRVVEKT
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LEKKENEYKTRDKNKCMPPYPAISNAIXEVVNIANRLTSRVHATDIFFLMLQKPENFLLT
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LCGYPPFNNGTEFLTWDLVKAGDVI FPSASWDHISEEAI CF IKRLLEFNPKRPSASEAL
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ELC

>comp11263_c0_seq3; 323 1 1225 LEN=1375; translated
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ILKKKVPDVELLKTEITILLEVDHPHIKLYDVYEDIDNVYLVTELCTGGELYDRVVEKT
NSPEGHFSEFCAARIIRNILSGIRYCHEEKDIVHRDLKPENFLLTDSTDDAKVKIIDFGL
STHAKISSVMHDQVGTIYYVAPEVLSGSYNEKADIWSIGVVAYVMLCGYPPFNNGTEFLT
WDLVKAGDVI FPSASWDHISEEAI CF IKRLLEFNPKRPSASEALQDPWLNQKKVQPLGL
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>comp11263_c0_seq4; 191 1 1531 LEN=1681; translated

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ILKKKVPDVELLKTEITILLEVDHPHIKLYDVYEDIDNVYLVTELCTGGELYDRVVEKT
NSPEGHFSEFCAARIIRNILSGIRYCHEEKDIVHRDLVGRSILLISGLSKQOTSNRMC
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>comp11263_c0_seq5; 217 1 1401 LEN=1551; translated
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ILKKKVPDVELLKTEITILLEVDHPHIKLYDVYEDIDNVYLVTELCTGGELYDRVVEKT
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FDIVVEVPLNYIVTHFIRPSFNLDQSYNEKADIWSIGVVAYVMLCGYPPFNGGTEFLTWD
LVKAGDVIFPSASWDHISEEAICFIKRLLEFNPDKRPSASEALQDPWLNQKKVQPLGLAW
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>comp11264_c0_seq1; 184 114 861 LEN=1148; translated
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VDTRRAPP

>comp11264_c0_seq2; 107 583 997 LEN=1284; translated
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PIPAAVFPAVDTRRAPP

>comp11265_c0_seq1; 1189 279 3035 LEN=3574; translated
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GKTFTMGSAAGTSMIDIGENDGIIPRACVDLFTQIEKRCGNAKVELSYLEIYNEEMRDL
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DLLERSEQEHDEEAGAVI

>comp11265_c0_seq2; 1094 348 2729 LEN=3268; translated
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VLGQVVSALSETRPKYKRKPPYRDSILTRLLQDSLGGNSRTIMVACVSPADFNLDITTT
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TVSTATTVSSEDDSSSGAPGETTMSQQKARIHDLNEVQRLKNGVSSKNGGIITESMAKD
AIELPEFKKRIAELEEEVAVKKDLEMENMELQSEIQELKADADSARLAANQMSKIMEQLK
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HPRGGIIGRFRKRIEMRRSSIRSPNGGSIHGSSHGSLHGYGDAQQAQVQQQQHHSQIQ
QQTPEETKAEPRPTPEEDPTNIMKVIIVNLKDELKAAHEVIRQQRVQVELAMEDKEKRA
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IRAVMQKNMSTPCEEDAAREEEIKAKVDGEIKKRMRAVTENLKCFEERMVQMENHVQAE
MASLKEIQNSLRVQQDNMELEIGKTEIEQFMLNEDDTKLLLEQLTTLVGPVKNLGTFFPS
DLLERSEQEHDEEAGAVI

>comp11266_c0_seq1; 509 304 2213 LEN=2246; translated
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NATNECKLGSFSIAATSMIRAKYFGSGQFITATKGT KDY TNTDYGTLLTPVYKKNFDE
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SMIGLQYVDVSVYQMLRCSGIVFVAVMKQHFLGDRLHHFQWIGVLWNVVGVLVGT TALL
DKNASKSMESSLGSXVTALTEEEGEQDGDQKTLYGVGLILSGAIVQAMLFVFEKVMKME
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IYYVFSSTTNASRSP TQLSFGEDWTPWSWIQVCALVVL LYGTAIYNAPNAGPIKLGKNW
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>comp11267_c0_seq1; 463 1 1831 LEN=1953; translated
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PILTISGYQWLSVCVALLVIPSTMITPHVFAKIGASGCCVFGNVFTGLLTMALLLIAGYA
PATQLSFGFFVVMYGGFPFTVFSQLTTGPM LDVIAPEDKLG YVQGLNNAAMNFGMAIAP
WLFGLLADVTSTNTSIWIGIGISFIAGVINAPLMWRPEMGP PPKPLPYDEWIRKNEEAE L
GQEMLSDEHVPPALLFLINRQRGIENKPYILPKIKSYAEDKDKLGE LRANALDN YRFRHA
LQDQTLAELTAPNGRFNAEELCDLLNTAISNVDEEAVNQSTADVGQWIGDYMAANGYYPH
QNSLIKQMIMSTFPSINTDGKATPENIEQTLIRSRYLIGKYADLEEKKHGKYSLLGGIL
GKGHRPQFFT

>comp11267_c0_seq2; 498 1 2069 LEN=2191; translated
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GNTLDFIGATVQLIFFSLSYRLYNKTIDFSNNNNNDNHRFTSSARALADNFGSTALFPMC
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GYVQGLNNAAMNFGMAIAPWLFGLLADVTSTNTSIWIGIGISFIAGVINAPLMWRPEMGP
PPKPLPYDEWIRKNEEAE LGQEMLSDEHVPPALLFLINRQRGIENKPYILPKIKSYAEDK
DKLGE LRANALDN YRFRHALQDQTLAELTAPNGRFNAEELCDLLNTAISNVDEEAVNQST
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>comp11267_c0_seq3; 376 1 1937 LEN=2059; translated
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VGCFVLGNAGGMIAIILMNESGLFSPLWVGTALMIASSAYVIKAFIEPGDTRLIDCGGGK
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PILTISGYQWLSVCVALLVIPSTMITPHVFAKIGASGCCVFGNVFTGLLTMALLLIAGYA
PATQLSFGFFVVMYGGFPFTVFSQLTTGPM LDVIAPEGGVRPAGHVSRNNVFAFRTI H
SLFNXVFFLPYFLKDKLGYVQGLNNAAMNFGMAIAPWLFGLLADVTSTNTSIWIGIGISF
IAGVINAPLMWRPEMGP PPKPLPYDEWIRKNEEAE LGQEMLSDEHVPPALLFLINRQRGI
ENKPYILPKIKSYAEDKDKLGE LRANALDN YRFRHALQDQTLAELTAPNGRFNAEELCDL
LNTAISNVDEEAVNQSTADVGQWIGDYMAANGYYPHQNSLIKQMIMSTFPSINTDGKAT
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>comp11267_c0_seq4; 284 1 1349 LEN=1421; translated
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VGCFVLGNAGGMIAIILMNESGLFSPLWVGTALMIASSAYVIKAFIEPGDTRLIDCGGGK
DGLEETE EVQRPETINNKVMWNIIVSAMD LVL RCLLVPGVWWFWLYPMAYIMQLF PSGTS
GNTLDFIGATVQLIFFSLSYRLYNKTIDFSNNNNNDNHRFTSSARALADNFGSTALFPMC
LSPLALEQYYFHFVDAGVAPILTISGYQWLSVCVALLVIPSTMITPHVFAKIGASGCCVFG
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>comp11267_c0_seq5; 694 167 2242 LEN=2364; translated
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MAYIGDIYTDKIEKEKQLGVLVGC FVLGNAGGGMIAILMNESGLFSPLWVGTALMIASSA
YVIKAFIEPGDTRLIDCGGGKDGLEETE EVQRPETINNKVMWNIILGALADNFGSTALFP
MCLSPALAEQYYFHFVDAGVAPILTISGYQWLSVCVALLVIPSTMITPHVFAKIGASGCC
VFGNVFTGLLTMALLLIAGYAPATQLSFGFFVVMYGGFPFTVFSQLTTGPMLDVIAPED
KLG YVQGLNNAAMNFGMAIAPWLFGLLADVTSTNTSIWIGIGISFIAGVINAPLMWRPEM
GPPPKPLPYDEWIRKNEEAELGQEMLSD EHVPPALLFLINRQRGIENKPYILPKIKSYAE
DKDKLGELRANALDNYRFRHALQDQTLAELTAPNGRFNAEELCDLLNTAISNVDEEAVNQ
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>comp11267_c0_seq6; 411 1 2175 LEN=2297; translated
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GNTLDFIGATVQLIFFSLSYRLYNKTIDFSNNNNNDNHRFTSSARALADNFGSTALFPMC
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GNVFTGLLTMALLLIAGYAPATQLSFGFFVVMYGGFPFTVFSQLTTGPMLDVIAPEGGV
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LADVTSTNTSIWIGIGISFIAGVINAPLMWRPEMGPPPKPLPYDEWIRKNEEAELGQEML
SDEHVPPALLFLINRQRGIENKPYILPKIKSYAEDDKDKLGELRANALDNYRFRHALQDQ
TLAELTAPNGRFNAEELCDLLNTAISNVDEEAVNQSTADVQWIGDYMAANGYYPHQNSLI
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>comp11267_c0_seq7; 289 1 1259 LEN=1527; translated
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VGC FVLGNAGGGMIAILMNESGLFSPLWVGTALMIASSAYVIKAFIEPGDTRLIDCGGGK
DGLEETE EVQRPETINNKVMWNIIVSAMD LVLRLCLLVPGVWWFWLYPMAYIMQLFSPGTS
GNTLDFIGATVQLIFFSLSYRLYNKTIDFSNNNNNDNHRFTSSARALADNFGSTALFPMC
LSPLALEQYYFHFVDAGVAPILTISGYQWLSVCVALLVIPSTMITPHVFAKIGASGCCVF
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>comp11267_c0_seq8; 249 1 1111 LEN=1183; translated
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VGC FVLGNAGGGMIAILMNESGLFSPLWVGTALMIASSAYVIKAFIEPGDTRLIDCGGGK
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PILTISGYQWLSVCVALLVIPSTMITPHVFAKIGASGCCVFGNVFTGLLTMALLLIAGYA
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TFQIDTMFQTW

>comp11267_c0_seq9; 735 167 2480 LEN=2602; translated
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MAYIGDIYTDKIEKEKQLGVLVGC FVLGNAGGGMIAILMNESGLFSPLWVGTALMIASSA
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VWWFWLYPMAYIMQLFSPGTS GNTLDFIGATVQLIFFSLSYRLYNKTIDFSNNNNNDNTA
SLHQLGALADNFGSTALFPMC LSPALAEQYYFHFVDAGVAPILTISGYQWLSVCVALLVI
PSTMITPHVFAKIGASGCCVFGNVFTGLLTMALLLIAGYAPATQLSFGFFVVMYGGFPF
TVFSQLTTGPMLDVIAPEDKLG YVQGLNNAAMNFGMAIAPWLFGLLADVTSTNTSIWIGI
GISFIAGVINAPLMWRPEMGPPPKPLPYDEWIRKNEEAELGQEMLSD EHVPPALLFLINR
QRGIENKPYILPKIKSYAEDDKDKLGELRANALDNYRFRHALQDQTLAELTAPNGRFNAEE
LCDLLNTAISNVDEEAVNQSTADVQWIGDYMAANGYYPHQNSLI IKQMIMSTFPSINTD
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>comp11267_c0_seq10; 455 167 1522 LEN=1594; translated
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VFGNVFTGLLTMALLLIAGYAPATQLSFGFFVVMYGGFPFTVFSQLTTGPMLDVIAPED
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>comp11267_c0_seq11; 600 167 2348 LEN=2470; translated
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YVIKAFIEPGDTRLIDCGGGKDGLEETEVEQRPETINNKMWNIIILGALADNFGSTALFP
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VFGNVFTGLLTMALLLIAGYAPATQLSFGFFVVMYGGFPFTVFSQLTTGPMLDVIAPEG
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GLLADVTSTNTSIWIGIGISFIAGVINAPLMWRPEMGP PPKPLPYDEWIRKNEEAEELGQE
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QTLAELTAPNGRFNAEELCDLLNTAISNVDEEAVNQSTADV GQWIGDYMAANGYYPHQNS
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HRPQFFT

>comp11267_c0_seq12; 526 167 2586 LEN=2708; translated
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YVIKAFIEPGDTRLIDCGGGKDGLEETEVEQRPETINNKMWNIIVSAMDLVLRCLLVP
VWWFWLYPMAYIMQLFPSGTS GNTLDFIGATVQLIFFSLSYRLYNKTIDFSNNNNNDNHR
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PSTMITPHVFAKIGASGCCVFGNVFTGLLTMALLLIAGYAPATQLSFGFFVVMYGGFPF
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PLPYDEWIRKNEEAEELGQEMLSDEHVPPALLFLINRQRGIENKPYILPKIKSYAEDKDKL
GELRANALDNYRFRHALQDQTLAELTAPNGRFNAEELCDLLNTAISNVDEEAVNQSTADV
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>comp11267_c0_seq13; 496 167 1760 LEN=1832; translated
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ISSIFIGPVSDKIGRKGPILWMAII SAAGNIVKYFTRHTFWGFCISNLVFGFFLGNLPIG
MAYIGDIYTDKIEKEKQLGVLVGC FVLGNAGGGMIAIILMNESGLFSPLWVGTALMIASSA
YVIKAFIEPGDTRLIDCGGGKDGLEETEVEQRPETINNKMWNIIVSAMDLVLRCLLVP
VWWFWLYPMAYIMQLFPSGTS GNTLDFIGATVQLIFFSLSYRLYNKTIDFSNNNNNDNTA
SLHQLGALADNFGSTALFPMCLSPALALEQYYFHFVDAGVAPILTISGYQWLSVCVALLVI
PSTMITPHVFAKIGASGCCVFGNVFTGLLTMALLLIAGYAPATQLSFGFFVVMYGGFPF
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>comp11267_c0_seq14; 254 1 1021 LEN=1289; translated
XSKLKTECGVDANKIKRQQQNNKNDTQQFSSMMSLLGVAISSIFIGPVSDKIGRKGPILW
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VGC FVLGNAGGGMIAIILMNESGLFSPLWVGTALMIASSAYVIKAFIEPGDTRLIDCGGGK
DGLEETEVEQRPETINNKMWNIIILGALADNFGSTALFPMCLSPALALEQYYFHFVDAGVA
PILTISGYQWLSVCVALLVIPSTMITPHVFAKIGASGCCVFGNVFTGLLTMALLLIAGYA
PATQLSFGFFVVMYGGFPFTVFSQLTTGPMLDVIAPEGG

>comp11267_c0_seq15; 501 167 1670 LEN=1938; translated
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YVIKAFIEPGDTRLIDCGGGKDGLEETEVEQRPETINNKMWNIIVSAMDLVLRCLLVP
VWWFWLYPMAYIMQLFPSGTS GNTLDFIGATVQLIFFSLSYRLYNKTIDFSNNNNNDNTA
SLHQLGALADNFGSTALFPMCLSPALALEQYYFHFVDAGVAPILTISGYQWLSVCVALLVI
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TVFSQLTTGPMLDVIAPEGG

>comp11267_c0_seq16; 460 167 1432 LEN=1700; translated
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MAYIGDIYTDKIEKEKQLGVLVGCFLGNAGGGMIAILMNESGLFSPLWVGTALMIASSA
YVIKAFIEPGDTRLIDCGGGKDGLEETEVEVQRPETINNKMVMWNIILGALADNFGSTALFP
MCLSPALALEQYYFHFVDAGVAPILTISGYQWLSVCVALLVIPSTMITPHVFAKIGASGCC
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G

>comp11268_c0_seq1; 264 297 1434 LEN=1434; minus strand; translated
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YKKQSKPSNRQHKANLAEASVDDRLGIRMSNRLVSSNDLSELITDYTYHSPSVLSAMTLQ
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TIFLFGGEAYGKYCTSCKQGVIALLSPTLLPANRRDGDNRESNSNTVSFSVYNASQIKIV
ANARDYGICKATTSSRVKQSDGKWAVIAGKPKHYVNREISEYCEYHRKNRQSGMRQGP
KFQQLRAIHQETAPMVVATPARRGNLIGSNTSTKPNRFLNHTSFNNDRSRILQAKPCSNT
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>comp11269_c0_seq1; 1174 31 3714 LEN=3822; translated
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QTSSTGSRKRRRSGPRNDKTI FRTFDPMQVITPEQLEGFSLLVTTPIWIFDFIERRNRYA
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TVTTASASVSTLASTSVSEPSRDSSSKQSLSFSTTTVSAKKTIDPNEELDVNTTNTSCKS
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MNHHTMTGIDEDNPVNQEIILRGVEIRHLPMAVCQFDMKGRVMFQNPAAAYLPALDDEEEK
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GAMKTNKTSSTFDGTDSSIRNAIFPHITIDNTMGRKVRSTSMIDARQPRSSWPASGNPHQ
PIGNLTGEQRNYIKLLKSSANQLMTVIVSDVLDYSKLEAGMKIERIPFELLSVVQGSMEA
VRGSCEEKGLTTLLEYGSDNDEDEEGNGEDETIGNRLDNLGVDSPSIDLRKQFRRRSS
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VARNFGGTGLGLSICKLLVEDTMGGSIGVDSDESRRGSSFYITLPIEVPRETND EASGCAI
GGKDSEEVGASMKILVAEDNKINQKLVANMLKRMGHR SILVDDGRQAIDMIEKQNSQNQR
PFDVAVLMDIQMPVMDGLEATRRLRTMGYTDLPVIGLTASVKRSDYVELGFNDWLPKPIILM
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>comp11270_c0_seq1; 462 55 756 LEN=923; translated
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AVPGWAAYNKALDESPLTAKACTSLVGWGLGDVLAQVFITGGAFDVKRFITLSLFLGLLYH
GPSGHYFYNWLDGKIPGKDGASVAKKILIDQTMWCPLFMVTFVFTYLGLVNGDSFGTIGTK
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>comp11271_c0_seq1; 265 58 825 LEN=1059; translated
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LQDDGGKIAAVGTESMQSKTGIPCDTAIHPTGRPGDEVCPYSDCETGGNHSAVCACVDLG
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ASISGLTTMAVVLWN

>comp11272_c0_seq1; 449 217 1428 LEN=1428; minus strand; translated
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LQQFAQQSGRGMNSLPKMVVKFIAGLGVAMRQTAQQNPRAFTTSLMAALLIFYTLLSIPR
TGLQISSGRSILTLSSGPTTVFSPDDRYLHKMIGKVD SMVASPKLSIKTMKDWDDLK
LTRELVS DYGAKDNEEDTDDLNDPYGRVETHSLGRKNELKQAVTAQFMLGPDQFLTDFPL
GDTLEEIAAERENIIDMLYANAAGLLTERNLVEFSDATSKARDRLRAVCGDGKKDRDSSL
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>comp11273_c0_seq1; 732 125 1417 LEN=1632; translated
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WADEDDSGGNSSALVSKASESAKPKTAVAVSSGPHGIVPSNHVIGITTKAMPAPLPKNK
DRAPVMVDLAGSGQSYNPDQKDHKNAIQKALLVETKRKVAEKNAKESASQGMRPETRALL
LGDSDSEDESDDSDSDEEAAPTTEAIAKKRPEKMTAQRNKQKRIRAEQYEIKQRKKQKQF
AHELKRVKSVNRTLKKEEAERKKTKKIEQLKLDTERSKGKDLTYQLAEENPRYAPTYPV
ALPGEELRSGASLRTIKPKGSLVTDREVMVSLMDRGMATAKKQLKLNKRVQGKRRKIKVRGKNY
RATQEGDILG

>comp11274_c0_seq1; 1258 382 4794 LEN=4901; translated
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EFTRTAEVLLRQRFETVRGALANHNSGDTNTTPARPFRSYECSFFVSNRYTVAFVCT
AEMLDGHDGQIPNLDYVVVTVAVADRGRERFLSTTEVLEFCHDFRLPHNDVWTFPPGDSKSH
SSSTGSATRLFDLYDKSLRETGDTEQTVRKLTEIADVVPSPVPHSIYQGSVCEGFIVRY
VDSHHEAEREKVERLARVSSEILGEVPPSRASSPPASKSADKISNTSIDS DPVLTDTDLRA
LYRSISVPSNDGTSDDASNSGGNKAQEKDGKFAAIAAPGRKRAALFSERLGGELLSGTCCS
VGSEGDAVREKDDCQQAQRKRRIHHRFDLKKLEAQNDDCGGFTDWKNHHLPALAKDLIHS
KDRETRRIAALLQTLDDLKGGAINYTWMEKYEKQKGNPEGCDHTQTMDRDLRRRLYCTI
HVRNDSTFFKQNVQRPSDMTLFRGFCVEVLLSPPEEQSDTDKASADMTIEPAPVSTG
PPLMLKMKLLPYMVRTFVCRNLLGTIEKKGAEEFERVARGLLEKWKISPEAQERWMAFFC
GWAAYVLKVKNSQDQARAREGDSNGLTKDTGTKSQPNAIDKSFELGPLTNFSYLRHLEY
TKLYDAGTFKAMASASPLSSPESYVFCVVSQSTEVSRALADHLARHFSETEATDQESNS
GTGTMPIFALGEAAKNRRCKSCIAVANVCDQTKGKFLFDKMAKNLVLILLGSGKEDI
LAMARSPDARPSWLDIETTGEKGLTHMWKTWKYPCAEERIALASSVVLEPKKEDST
VAVLTELAGESEVVKSVRAVGRSVMEQAAKQSDPRLGGILVLFPGIPGCGKSSLLATLE
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TPPASWPKLGQICSDSNGVLLPVLDPKTVLETTIKGSIQPSGDLPSASHFYFSLDYL
AVSMSRVLDPPGEHAGKLDGFMACMIVAQFYFVRYVAADAFMEKLEEKLGNDSESK
IKTMNPIELPFFKGPDESKVIPDDLKLLVEALQLRHGHDKAKKFKVKKDDPQ MIDLEGR
LRSSFEMHKETLSAMSVGLDVAKAEFVHQLIDRIKSNSTQTTGGPADDTDAKHTVANDQ
GSDNATESSIKLVSLDIDRAKIHLLYKHEESGALAGFFEQTKRPQTDAQEAASASYIKQ
DGLDNNNSIKSRSSSERYPSPCFTEKTHVTMSFAGESHSGEQLVERFHHLQGTESVSIT
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>comp11275_c0_seq1; 1360 158 3133 LEN=3481; translated
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GDTNYDQFCETGKLIDRMVDSLGGTRAKPLVCADEGTGLLEETVDPWMETIAQDLANACL
GLPSSAEASSSEEEKVDTNKSANDETPSSETAPAAADPTTESPLSEAVPITPAPEKSPSP
LYILYASATGNSEAIKADLAATYEMILNPNDSKTYFPTVCAELNQFKKAKWAEVWNQP
PAPGNDSVKHGILIVASTTNGNDPPENSDFLRYLKK SARAAKDPTSRPFQHVAVAVLG
LGDTNYDQYCENAKLLNKYMSDLGGTQIKPLTCADEGTGQLEEVVDRWTSTILMEVTDAC
RGQSSVEAPAPATKKPAVVAKKERKVDVEEEKADSDVMVQSSPSNAPGVLI IQSLLGD
DIHKATKSLPKPTLQSHVKSVEFLSENAETATSAAATDDDDRSDGSRYTLEQPYESTIRS
ARYLTATSSDAANEICEGNVARDVLERFPLHIENDVSEASRNGKRVI ELELAIPDDNS
WEYQPGDSLGLVITNTTESVDFVLGMLKSHHGIVPTQKVSIDSGVPLTVEEVVREKIDLC
TVLKTRKVV LALSQICTDPQERAVLELLSSKTEKGAELLETFVHAQRRSVVDLLEFPSC
QCITLQSLVSI LPPIPRYYSVSSSPLDDARGSSLTVAFSVVDYLT PSLSGSDGTELGAR
RIHGLATSHIEALCAPFLSSVSGATNEPACAMKIFPKPTEEFRLPEDLATPLVLIGPGTG
IAPFMGFLSHRKAMVASGADDAAGLVEVFFGCRHSDHDYLYREELETFEKDGVI GHMNV
FSRDGPKKEYVQDIMLSDEECSKRLADTLLNANGRVYVCGDGNHMGRDVSQSAFAKLLGPY
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>comp11276_c0_seq1; 383 207 1007 LEN=1426; translated
MTAKDVNNTGVQTEDEKQHFDIYVCENPVYKTRILDAMNYVSDDFNAMFEEHIA PPF
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CHVTAIDISPQAMAYGKSVGLYDES FVCDLNNLEGEAFGRAKETLAKADIFLSTAALCYL
SVEAIEDLVDAFCSGTSPDGMMLVNFNLPFCLEKSDATKRILLSKLDFVASRATRHRM
SQLEMDNYPGEEWSLLELWVLKKN

>comp11278_c0_seq1; 592 1 2412 LEN=2784; translated
LEWVFLEYTLAERDEAVSYLRLLKMLGQVTGGSTSRDNAKPN TVADATAGSNEDSGIAT
LESPPLETQDEALDFYRSTKQHKKLVVSHYCVDKLFEI IAVSLDNASNGIPSLSKLFHG

VDENEIQKMNEIQKIIESCHANSARSNNLDIDEWRLVPLLYNRSVDEYTKRGAALILSY
ILKTGCERIELLRSCNASHDNRRKKNNSNNNNKPKSTWQETDVFDFLNLLSFPDEHKAATFS
KSNSPEEELTTVLDQTNLQRAIDESLGSFVSWLTGRLQCS DHYLSLGVVTPTLGVLLSGT
KRARTAFHQAGGIGYLVRHLKAKRTRTRTPSKWGGEDDWFRRPATKVGPAANSTSPGSLT
ARTILAFSKPKSSPPHSQLPASPERKRGVRSRKTNPSTSTSLINAYSHSDSFSVSSSF
SSTNSNSIFNHLGSPSSPGATESETHHTEALVESDTNHTHLQGFISRAGEALSGPSVLA
TLAATSTIAASSLLSPAQALQLPHPDRISRKRPSVSSSVQQVYDLVFLWCMSMDCQTD
ESVANHFARDGAVSALAHLLKTAPREKVLRLTLACLRLSLTTLPAHSRVGGDKTSDIDAN
SFVREMIGCGVLKSLDTVRLRRWNDEDLEDDLEFLHGFLSDRTEQLSQFHVYEAETGA
LRWDDRFBTKDFRRNVGQMEGRDGRFGVVKSLVQILYASTKSGRLRSSGGTVVYAGLNE
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EVREQALLCASKILVNNWRSIEI

>comp11278_c0_seq2; 616 123 2755 LEN=3228; translated
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LPPFWLSPPEWSLLKSAEENPLEYTLAERDEAVSYLRLLKMLGQVTGGSTSRDNAKPN
VADATAGSNEDSGIATLESPPLETQDEALDFYRSTKQHKLVVSHYCVDKLFEIIAVSL
DNASNGIPSLSKLFHGVDENEIQKMNEIQKIIESCHANSARSNNLDIDEWRLVPLLYN
SVDEYTKRGAALILSYILKTGCERIELLRSCNASHDNRRKKNNSNNNNKPKSTWQETD
VDFLNLLSFPDEHKAATFSKNSPEEELTTVLDQTNLQRAIDESLGSFVSWLTGRLQCS
DHYLSLGVVTPTLGVLLSGTKRARTAFHQAGGIGYLVRHLKAKRTRTRTPSKWGGEDD
WFRRTKVGPAANSTSPGSLTARTILAFSKPKSSPPHSQLPASPERKRGVRSRKTNPST
STSLINAYSHSDSFSVSSSFSTNSNSIFNHLGSPSSPGATESETHHTEALVESDTNH
THLQGFISRAGEALSGPSVLAATLAATSTIAASSLLSPAQALQLPHPDRISRKRPSVSS
SVQQVYDLVFLWCMSMDCQTD
ESVANHFARDGAVSALAHLLKTAPREKVLRLTLACLRLSLTTLPA
SHSRVGGDKTSDIDANSFVREMIGCGVLKSLDTVRLRRWNDEDLEDDLEFLHGFLSD
RTEQLSQFHVYEAETGALRWDDRFBTKDFRRNVGQMEGRDGRFGVVKSLVQILYAST
KSGRLRSSGGTVVYAGLNEVGGDSWGEDDISDDEVCECLAVCLFDLGEFVRHYPNGKH
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>comp11278_c0_seq3; 605 123 2762 LEN=3134; translated
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VADATAGSNEDSGIATLESPPLETQDEALDFYRSTKQHKLVVSHYCVDKLFEIIAVSL
DNASNGIPSLSKLFHGVDENEIQKMNEIQKIIESCHANSARSNNLDIDEWRLVPLLYN
SVDEYTKRGAALILSYILKTGCERIELLRSCNASHDNRRKKNNSNNNNKPKSTWQETD
VDFLNLLSFPDEHKAATFSKNSPEEELTTVLDQTNLQRAIDESLGSFVSWLTGRLQCS
DHYLSLGVVTPTLGVLLSGTKRARTAFHQAGGIGYLVRHLKAKRTRTRTPSKWGGEDD
WFRRTKVGPAANSTSPGSLTARTILAFSKPKSSPPHSQLPASPERKRGVRSRKTNPST
STSLINAYSHSDSFSVSSSFSTNSNSIFNHLGSPSSPGATESETHHTEALVESDTNH
THLQGFISRAGEALSGPSVLAATLAATSTIAASSLLSPAQALQLPHPDRISRKRPSVSS
SVQQVYDLVFLWCMSMDCQTD
ESVANHFARDGAVSALAHLLKTAPREKVLRLTLACLRLSLTTLPA
SHSRVGGDKTSDIDANSFVREMIGCGVLKSLDTVRLRRWNDEDLEDDLEFLHGFLSD
RTEQLSQFHVYEAETGALRWDDRFBTKDFRRNVGQMEGRDGRFGVVKSLVQILYAST
KSGRLRSSGGTVVYAGLNEVGGDSWGEDDISDDEVCECLAVCLFDLGEFVRHYPNGKH
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>comp11278_c0_seq4; 451 1 2405 LEN=2878; translated
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VDENEIQKMNEIQKIIESCHANSARSNNLDIDEWRLVPLLYNRSVDEYTKRGAALILSY
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KSNSPEEELTTVLDQTNLQRAIDESLGSFVSWLTGRLQCS DHYLSLGVVTPTLGVLLSGT
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TLAATSTIAASSLLSPAQALQLPHPDRISRKRPSVSSSVQQVYDLVFLWCMSMDCQTD
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SFVREMIGCGVLKSLDTVRLRRWNDEDLEDDLEFLHGFLSDRTEQLSQFHVYEAETGA
LRWDDRFBTKDFRRNVGQMEGRDGRFGVVKSLVQILYASTKSGRLRSSGGTVVYAGLNE
VGGDSWGEDDISDDEVCECLAVCLFDLGEFVRHYPNGKHVLDKVLGAKPLVMCYXKPSV
GGGAGPALCLKNPGEQLEGA

>comp11279_c0_seq1; 219 1 903 LEN=1344; translated

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DAHYQKHihKQDRDDVDNYSSEELANRFVkwINRQNVFTDYVQQEYELQRHTQNNLCQND
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>comp11281_c0_seq1; 709 59 1474 LEN=1838; translated
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LITLGEAIAYVASGMYGDLSSIGAGNAILIIFQLFCAGLIVLTLELLQKGYGLGSGISI
FIATNICETIVWKAfSPTTLNTGRGTEFEGAIIALFHLLITRSDKVKALREALYRQNLPN
LTNLMATVLI FVIVIFYQGWVRDLPVKYQKYRGQQGNYPKLFYTSNMP IILQTALVSNL
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FYLTFILTACALFSKTWIEVSGSSARDVAKQLRDNQMVMKGHRDSALIHVLNRYIPTAAA
FGGMCIGALSvVADFMGAIGSGTGILLsvTIIIFGLYENFVKEQREGGAFGF
>comp11282_c0_seq1; 586 45 860 LEN=998; translated
MKFSVAITLLAMASPAAGFDGIRASSKSGQSLMGKARKLENGNNNYSSWIGDAALKFDGC
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EDLYEEALKCESNVKTTYKDTSGCEMIHTILPQLNKAMKSLRGPMSVVAAWFFGVGFFA
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>comp11283_c0_seq2; 212 51 1016 LEN=1016; translated
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KGCPRGRDSTQECFDSYPLEFVKDLLYDMPQDTAYPNRGYLHGVEPRLSMQFKLPEGLVG
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SVLAPERFINCAEVTVTGVQTPAPPFPSPIPPPTSAPVENPVTSPPPVSQPPINPGIVGTC
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>comp11283_c0_seq3; 97 1 246 LEN=246; translated
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GGGNTGNGICPVHSMCCSKWGH
>comp11283_c0_seq4; 426 1 1221 LEN=1459; translated
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THDHHDDNSRLIAYLGNWQSCPSDEQVARYTHIVIAFAVSYTWSPGKNVCSETCEIMVPP
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NEMGLDGDIDIDYEFYEDHQNGSGFTKGAEAQNFLSQVTIGLRDSMPAGFELTHAPMEPD
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>comp11283_c0_seq5; 446 1 1236 LEN=1474; translated
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LP LPP THDHHDDNSRLIAYLGNWQSCPSDEQVARYTHIVIAFAVSYTWSPGKNVCSETCE
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>comp11283_c0_seq6; 561 51 2006 LEN=2244; translated
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KGCPRGRDSTQECFDSYPLEFVKDLLYDMPQDTAYPNRGYLHGVEPRLSMQFKLPEGLVG
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SVLAPERFINCAEVTVTGVQTPAPPFPSPIPPPTSAPVENPVTSPPPVSQPPINPGIVGTC
GGGNTGNGICPVHSMCCSKWGYCGYESTGHCDPAPIDAPSNPI PMPVSPPVSM PVDAPT
LP LPP THDHHDDNSRLIAYLGNWQSCPSDEQVARYTHIVIAFAVSYTWSPGKNVCSETCE
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>comp11284_c0_seq1; 418 470 2263 LEN=2897; translated
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FLLPRCNSFLRRSLYESIERDYPYLILERHNNQIRVWRCTSEERARRNQRLLLVEGYSKL
VQEKIGAQRIFLALTKACSGEP I RTRTEHI ILAPDANEAVMDFSPGKRLSNRKIPLVVHN
GLMDILFLMTHFHAPKLPETWRDCKSLVHSYFPLIYDTKIMALDYCSSTGRTRLDDVYEQ
AVASHPHWKNRIFSLNGQAQLDKQSHDAAYDAYMTGVAF CALSYGIQDECKIPPVDASSE
FALWDCSTEDFSFSRSMYGRNKLYFHLSPYTIDLESPELDPLGRGMSHESTFLVSDIDPS
VSSRDIANCLSRLYDSSNQRVNFDVIWVNDTTFIVGAQIVSLIEDPERFEEHGWLILEAL
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>comp11284_c0_seq2; 463 172 2142 LEN=2776; translated
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TGIQLPPGESKGISKQDTPADRYPTLKQVPERYSIIQFGICLFEHKSSSETETSDAASFH
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VASHPHWKNRIFSLNGQAQLDKQSHDAAYDAYMTGVAF CALSYGIQDECKIPPVDASSEF
ALWDCSTEDFSFSRSMYGRNKLYFHLSPYTIDLESPELDPLGRGMSHESTFLVSDIDPSV
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>comp11285_c0_seq1; 452 526 1947 LEN=1991; translated
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SNPFLIDYVWRRNMNLSEYPLYRYKQIYNPQQVWSLGVHYCYVADGEQNLQLPAEDGLFL
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>comp11286_c0_seq1; 1389 461 4237 LEN=4364; translated
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DKNKSSFPSSRPSGKKDDVIDHINEAIKEASSAKKSQSTRSLVRNRSLSGRSRSRSLTK
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KFVKEGGEDRSEEVEKVELSFETE QRESEKSKRIKAMNDCRARIGRWD AKLAMSI MEA
VGVNDANVRVEETTRALRTPVRKHA INLRENVERCIEGLDVL RNSILQGSMDIRDVRADF
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SSTEWLLLESGLVLDKDYSHRVEAIESFVYMECVGIQLEKHF SQVRASALTAF EKKTDITS
AINIATRKKMPVLVKELNEKLAKLGPVVSHTTVKEAKEAHLESKLLKQELHTMAMRRLAR
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>comp11286_c0_seq2; 886 1 2710 LEN=2837; translated
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RESGWNFFPELPGANCVGLPKPAKEVSA CHSPSLGTANTFNLRADSFLEAPVTFDDSNST
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ETARLGDSRSRRELQIPYRRLQKTMVDDCLRILTRHKLERATPSIESIYIMLGAYVADL
TVEPSITAYLKGLQKLA AQSKTELLEKEHQEMEADASAPPGLAKQIQEGLMVVKKQLA

STINDEAGGIAGSAGEERRYRLRQEVQSIENRLLVNETLLKDYMSTVCRTAPVVRTSRMIY
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GNTKKFVKEGGEDRSEEVEKGVLSFETEQRESEKSKRRIKAMNDCRARIGRWDAKLAMS
IMEAVGVNDANVRVEETTRALRTRVKHAINLRENVERCIEGLDVLNRNSILQSGMGRIDV
RADFITEIQNLLSYSYVPGDQPSVLPALLEREGISISDPAGWRSIEIGSCGNALNMYI
ESRDSSTEWLLESLGEVLKDYSHRVEAIESFVYMECVGIQLEKHFSQVRASALTAFEKKT
DITSAINIATRKKMPVLVKELNEKLAKLGPVVSHTTVKEAKEAHLESKLLKQELHTMAMR
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RI

>comp11287_c0_seq1; 484 25 780 LEN=909; translated
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DQVSDAAKWQIFGLIFFLEAWSEIATPEHKHYMNGGKPGAFPFDYELPHPVVPFKSLYD
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PFSENMLKFGL

>comp11287_c0_seq2; 486 21 788 LEN=1023; translated
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WDQVSDSAKWQILSLVAFLEFWESELSTPNHTHYMAGGKPGDYPDFVSGADGIPHPVFNL
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MAPFSENVLGMPFGM

>comp11288_c0_seq1; 327 132 1376 LEN=1947; translated
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CLWRSMPPPCRVLFDVSVISSREARNPLLSEVAYFLHLPNRSTHTIASHAKTNYPCVRLQ
QIWHRRALLETYGARDFMEEELAYIEEVLGIDSKNYHAWSYRQWILMTVDDDSIWEKEM
GFVSRLIQEDVRNNSAWNQRWLVSHRGKRGNHPLSLDVARREADFAIEKGARLDPYNESP
WRYLVGILREQHQRQKDNIGSTDDFTRNVIAEYEAKASGLRTVLEEAQRNPDTCVNMTS
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>comp11288_c0_seq2; 342 132 1181 LEN=1752; translated
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RRALLETYGARDFMEEELAYIEEVLGIDSKNYHAWSYRQWILMTVDDDSIWEKEMGFVSR
LIQEDVRNNSAWNQRWLVSHRGKRGNHPLSLDVARREADFAIEKGARLDPYNESPWRYLV
GILREQHQRQKDNIGSTDDFTRNVIAEYEAKASGLRTVLEEAQRNPDTCVNMTSARIDL
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>comp11288_c0_seq3; 225 132 866 LEN=2077; translated
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CLWRSMPPPCRVLFDVSVISSREARNPLLSEVAYFLHLPNRSTHTIASHAKTNYPCVRLQ
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GFGR

>comp11288_c0_seq5; 240 132 671 LEN=1882; translated
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>comp11289_c0_seq1; 1209 165 3281 LEN=3303; translated
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ILSACLVSVVAVNDYQKETFRELSAANDEVDVLVIRSGKFQKVPVEDLVVGDLSLE
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PNSQWGIKSHLEKEQEETPLQEKLDVMVAVNIGHVGMAAAAATFIAMMWIKIFIDPEYLK
DVSVFKHALDAFIIIGVTIVVAVPEGLPLAVTISLAYSTKQMLRDQNLIRHLTACETMGN
ATNICSDKTGTLTENRMTVVRGVFADTKDTECKKPLGISRTAMNVILEAFACCSTARILP
AAPVVDEEENYDIRPQVIGSKTEGAMILLSQSAWGNDDTDTRREANFGKEGGSRLFPF
SSSRKRMVTLVKKGGENVMTYHKGAEEIILANCTLYLDADGSEKPMTSEKRKYFENIISE
FAEDALRCIAITHRNQIENITKDISKISIADCESLIEKEMCLDALVGIADPLRDDVDAI
AVCQKAGIFVRMVTGDNIETARAIKQAGILTKGGTAMTGEEFRKLTPAELDRVLPVTLQV
LARSSPEDKHTLVQRLNGLMPETEHEWLERHPGRDFATEKDLLLPGYKEEWSRSRGGVG
EVVGVGTGDGTNDGPALKAADVGLSMGLSGTDVAKNASDIIIMDDKFSSIVKAVLWGRSVF

DNIRKFLQFQLTVNVVALTITFLSALVGYDPPLNAVMMMLWVNLIMDTMGALALGTEPPKQ
ELLDRPPYKRNSSLISLPMWRNLIQSTYQLTLLVYLLSKGPVLYSCEDGSIHHTIIFN
AFVFCQIFNEFNAREIGDIFNPLGALGESPMFVLVIIFTVLSQWFIVEYGGFTQTTPLS
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ILAAIVYQLAWEVEELKH

>comp11290_c0_seq1; 825 167 2446 LEN=3330; translated
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YFDEDEDDADTAAEVMMAHYLQRVLEDIPEYDTGDVFEDEDEYEEESHAYDDFDEDLEGGSDP
CNCPCQVLHRIVGRHSSCYEATDSCSDEGDEHDNDVPLDPLASPCAICMEPETAARRFAC
LPCCSSGSRMATRQDSHGHHLPGLPPTTTDTSSSTRFCYKCLVTCLVKNGCGVHRTLERG
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LTIDPSSSTERIRLLCQWGLIAKRQNSPACASTKSRTSLRKRKLSIMQQLWQRGPLGTAAA
AAEMPDRSDAFWNKHYQAILGSVRTWRISRACCSLAEASRNLPNRSQVYQIDPTVQHTL
HRLSAMYQLGLDLDPAIDRVGEEDQREYEGYFGLCLLAPRSKLQTQNTTGGTSMHDENL
ELFLEENGRRHCLLVARDCFSSAVMAAGRLRIRCSLALARWGSSLVLLSWGVGLPLPVS
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>comp11291_c0_seq1; 351 1 1169 LEN=1277; translated
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SNEKNGAVFGGGDGAIDGRNNTS PF AITGPLVSAFARTAAVAASAVAVALLVGT PAHA
DTRNPAGPEMHRQLPPGGSSVVLSSSSSSSMATSGSSPYTGTPTGDLVDPTRGEAVVE
LESGVTYRDLRMGTEGGPSVAEGDRVNIQVWLKRSNGYTI DASTNNDGV PFI FVVGGRTK
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KQRI RRVMENRMDVPDESFLLDVKVTRIQ

>comp11292_c0_seq1; 812 74 1708 LEN=1759; translated
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GGYKEDVLSAIRTNLLMSHEEKIAVALQKSKQEAARAEMQKAKTLQEERMAQMRQAF
VTGQATSGPTGRMEGFGGGGAPSQQSGIGSFMDQFQQPNEDSQQQAVQEEYNPYAALQRP
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NFATHPKVDKKVYERQGVLSLKGKGFVGRGVGILRWSTGSDDAPPVVSINCWPEEEGGG
RIMVNIEMELTRMDVVLHDVNI LLPLGTQNP SIESIDGQMKHDP AAGMMCW HFDTV DAS
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YQVA

>comp11293_c0_seq1; 634 333 2246 LEN=2246; translated
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TVLGWWSERKIRGEAPRKM CVHMMWRIDPSLMTEEA VRSEDSVSVYDLVMSLRDQRLVLS
LPVSKCTTENDGLSPPAPPPSPIVPSNHTERIDRNKNSDDDDDEDSWPS SRTP TFFLL
ALVLLAVGATGQGTPEGLTAV ALGGQLVGNILEYVVNPGDLRAEGKDTVTIVYTVPEEAW
IAVGFSTEGLMIGSEAVIGFPATGEVVKYGLTSFIQSTGVLP LPEAQQT LIDASITQGDG
LTSMRFTKIMEEPGEIPIVIGPNI FMGSVGF DNNFFMHAKRDSFGIELAVAEETDDAVGA
DAAGGEEEVAPAATTVVI IETRKRSLWKAHGWCALAWGLCAPLAIGAALLRRWFPDGLW
LTIHQGLNI AVGVLTVASFGLAVAAIGSETPAGGSSYHFS SDFP PHRFI GLVVFLLVAFQ
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>comp11294_c0_seq1; 572 163 1869 LEN=2752; translated
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TWMILLITLTKGLSDRAGFLAGR SKLPPKPVGEGLPSTEPQPVADLKPEEEIGTVEAAP
ESAEEDGNNGNGESSNVDIKNEDGNMIDSDHLTSSSKRDSRET KRNVL LSKNEWNEVYS
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NELTNGLGEFQTD FLDLLERSNTGMC PRLKPEGLCESLLEVDSCDFTIEVDIDQDIDDK
LDVNTTVDFNYSHSV DVSKLSESIKDKIGIDGTLDLREILFPSAQNVYEDLVGAFSKDWL
FLDKMRDFS DTIGSVSTLATETEEQINAINWVFYIAVIFDVIVGLLAVCMIIHILAGDRL
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>comp11294_c0_seq2; 220 439 921 LEN=1188; translated
MQHDQSFLDGAQKIFEDFDVAIQNIAGSVTDFCGTTDQYLFGDMISTTFKYLCGVTGLLV
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>comp11294_c0_seq3; 703 163 2334 LEN=2601; translated
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ESAEEDGNNGGESSNVDIKNEDGNMIDSDHLTSSSKRDSRETKRNVLLSKNEWNEVYS
TKKKEERWMKIVVVFACLMVIFMSIVMAAKGVQSLKGLDDGKASISYAEKLLDNAQGVV
NELTNGLGEFQTDFLDLERSNTGMCPRKPEGLCESLLEVDSCDFTIEVDIDQDIVIDK
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QYLFGDMISTTFKYLCGVTGLLVDLRKAFCRCSTWMPLYYNTLYNAVYCNAIDGLWSIAAT
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KAG

>comp11294_c0_seq4; 200 136 309 LEN=576; translated
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>comp11295_c0_seq1; 415 205 1083 LEN=1120; translated
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VSSISLYFLFMYGLRAFFRLVIGTPTLEAQESQRMWMLGKKGPTNPAPKEDAQIKAL
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>comp11297_c0_seq1; 644 136 1887 LEN=1999; translated
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GENGVEVCRKVFTTALDTSIAIHVNRSMGFHVHVGIPDEKASLAMLQYISYSFCRFEPVMD
SFLDESRTGNLYCKSNRDGVLGRGDEYKEIPKFAKRITPAMENETGEKSADDTSDDNDE
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>comp11298_c0_seq1; 569 117 1838 LEN=2875; translated
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EPHCDAIDLNLGCPQRTAYVGHFGSYLLDAKDRPLVLSMVQAAASAVKIPIFVKIRLLDT
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>comp11299_c0_seq1; 432 76 711 LEN=881; translated
MAPNTAPIKYAQRSDSLTYLTIALPDVKDEKIVLTDDKLTFFEGTSGDKPYQIDIEFMKEVD
SEGSTYKVLPRSVQMHLKDKKEEEFWPRLKDKALEKNQVKIDWDRYVDEDEEEEGFD
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GLGMPGMDGDDDDDEGDDDDLDLPELEEAN

>comp11299_c0_seq2; 370 1 603 LEN=773; translated
HRRSHNPLLTSVQRTAPPSDVKDEKIVLTDDKLTFFEGTSGDKPYQIDIEFMKEVDSEGST
YKVLPRSVQMHLKDKKEEEFWPRLKDKALEKNQVKIDWDRYVDEDEEEEGFDMSNME
GGMGMGGMPGMGGMPGMGGAGGMDMEALMKQMGAMGGGAGGMPGLGDMAAGLGMGMDGD
DDDEGDDDDLDLPELEEAN

>comp11299_c0_seq3; 381 1 621 LEN=791; translated

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>comp11299_c0_seq4; 421 76 693 LEN=863; translated
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SEGSTYKVLPRSVQMHIILKKDKKEEEFWRLLKDKALEKNQVKIDWDRYVDEDEEEEGFD
MSNMEGGMGMGGMPGMGGMPGMGGAGGMDMEALMKQMGAMGGGAGGMPGLGDMAGLGGM
GMDGDDDDDEGDDDDLDLPELEEAN

>comp11300_c0_seq1; 587 124 2115 LEN=2115; translated
MPTFSSRSWRWNCSCFVAWAVATVALPVQTRQSSIACCRGDKLRATRRNSNIYADADST
LDVNLNFDNLLAFSIVPASTNPSNKFTKSFLEKAVHRLPSDPHTLVPTIDVRLLEANNGG
RLSFRVPIPSQGTNDRIILDDYCDGNRNDTTEEDSSTAVANQSVSFSEWNRWLSPYGMKSL
RLVICERVATDPGHTDASDESSSTAWTSEERIWSALEANLPSQLPWEIYESFGNTVPEH
TATRQTKDGNDISEEAPSHQKNPQIHPTRFDVTCRRWSTFRCLSKDEFSSSTRTKATLRKL
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NEDYLPKPGCKRVEAWMLMRDLRDGVLARAASCNKNEEVIVLDPLCGKATFLVEAATTWG
IENSTPMNGANTNDDRASVSFIGVDASSQQLLEDAEAENVEAVAEALGGDCTIELRQGDSRD
LSRLGFGDGSVAIATCPPFGRQFFSLGDDAAERRAASDGGATKRTNEALQASRYDWLRE
WTRVLDPHHGRIALLVDVDHQAEALAAIRATGSLRVRVLRPEFRLGRLKATVIVADADPN
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MKLSX

>comp11301_c0_seq1; 45 1 546 LEN=838; translated
ETCSYMEDPVPQIAHIRRGNSHNSGYRRVAAYEPXHDSNP IEFNRIESNQKLRLFAAPA
RKHAPSFHIEGDSSENGSFEGRGFPSDRGWDQNALTSRNVETHHRRSAGEGEGGQPHR
SDRARRSQLRTIAAAPGTAEQFSATTADGKPPVEEQSVREKRTTGAKRGGLAIEPPDLLP
P

>comp11302_c0_seq1; 561 203 2164 LEN=2619; translated
MQFPAGSLAILASKVGSDELSDGRSFIENWNRFHRYQKSNEADADGLSASHEKLRNKRGT
RMVTKIVNEIQKLRHVVECDPLAETEVEDYRRLSGQELSTSF TANHDNVDELGILAAPFS
SPTCGVGRKCRKATSEEASSLGGICEDIDGWYQEFLLHRRGLQEASGNSTDSQGYDPNNI
VQTMFACENGLVGYDCECDFDTGDAYVGTAVCTTIPSCSTTESLTCGVPVTDYKSTYY
VSLQQRGIWDAEFCLEFLEPYAQTACYKTSTIDYGVTPNSECDISLDGEYCSSCEVYKF
RDSNICYVFCGNTSQSGKGHTRSGNTCDFPAHGIGFFIESYGCPSCDICQSDSPLDPM
VMAMTEPENSVVFFNTTYDCDYVQVSLAGLFTPDSCSYFAE IAGDACGCAAVKATDLVS
TPAESDLPVTENIIVTTDSPTSAPIENGECKICPDGVSNDPDIISFPGSNASTNQISCAE
VELAIMAGSISGNELCEAVQKEALGPCCGVAADEDETSIESVNESEPQSPPLVSMGDAES
DHCTLCGDGKFHTEVGNVSVPVTPQGIFTCQQLDMGKNGTLDNKGICLLVQTLAQTPCGC
KADGIITVPTAPEASEEEATSSSSPLYSGTPALFVSAATAFLVALSSWNFL

>comp11304_c0_seq1; 568 397 1566 LEN=1848; translated
MKSYRISTLVKLALLAASNKHIALHLVSSYTFDPLNNSWKPSGRRKKQNRGSSFSQNSYA
PPEPRREQPNVPRPIPGVDITWDERDIVRHHTTFVVGQEEQQINDPAFVVPKASLVEI
QYNKKTGEVSLLDDEEGVVTPEEYKRIVNDVKYSHEGESESSTGNTSSKPNFKHQGGEDDA
VVGTTVYLDPELDPTDVIDTEVEDVDGRPSTSAKQEIHIPHYEQKLKDYPPQQLQDQSQ
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NVQQPVQTATAVAEPTADHVYYQQQQQQYETGNVYDQYQYEPMTMTQKLTNDQSVEDI
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>comp11305_c0_seq1; 282 1 731 LEN=918; translated
XTFPVFGAQIHSGMSARIKLRPDGSMSETNTPEIPYDYSCVSLYDAECGYGLEKYQT
SKNPQCPENFVCSDAVGGIGVMANCINSMDCAMLSEMTVIFYGDKGKDDRMNDVILFLREM
IPHHENAVNMAKTLFISGEVDCDDPDDEEDPACLLEPIVRSIINVQNSQIQTMKGLLEGF
GVPENQQCNVLDSDTQSDTKDSVNEDEYETKESDTQSDASIIQSSFGVLIALMVGSQLI
GFN

>comp11305_c0_seq2; 525 290 2119 LEN=2149; translated
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GIAPGNSNCTETLSCPAPMYWKGGEYTGVSNIPLVPIPEEPSDDFGLDAVEPLYFYPL
GDWEELGPFVTALNFDVNYDQDIFYFCHIAGMSARIKLLDANGEMLNPEDETPPEIPEYD
VIDAFDYECGTFNLTDVANPKDIDTCPDIFVCEDEGIEPQTQYSECVQAMNCHMMASMTTN
AVGQSALFCHQMI PHHQAVNMAKSLHHTHDVICVEEESWECELSPILYDIINVQNSQIM

DMRAALDLLGAGEYENCVDVFTMDRDVLP SRRLVEPDMQEQTHRVTAEEQSQSACAFVH
GVDCRPCEGTTGACVIRMGVNLLAGEWGYFTVEGCDGVNPTLHLEVERTYLFQSDKSNW
YHLIGFSYEADGAHVGVDELEPGIAPGNSDCAETNSCPAPMYWKDDEYTGVSNTPSLVP
IPEGSSDDFGLDAVEPLFFYPPLGGWEEMVPFVTSLTFDDENYDKDIFYFCHVRKHYFAPF
PSLELPHQL

>comp11305_c0_seq3; 764 290 2767 LEN=2954; translated
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GIAPGNSNCTETLSCPAPMYWKGGEYTGVSNIPLVPIPEEPSDDFGLDAVEPLYFYPL
GDWEELGPFVTALNFDVNYDQDIFYFCHI HAGMSARIKLLDANGEMLNPEDETP EIPYEYD
VIDAFDYECGTFNLTD FANPKDIDTCPDIFVCEDEGIEPQTQYSECVQAMNCHMMASMTTN
AVGQSALFCHQMI PHHQAVNMAKSL LHTHDVICVEEESWECELSPI LYDI INVQNSQIM
DMRAALDLLGAGEYENCVDVFTMDRDVLP SRRLVEPDMQEQTHRVTAEEQSQSACAFVH
GVDCRPCEGTTGACVIRMGVNLLAGEWGYFTVEGCDGVNPTLHLEVERTYLFQSDKSNW
YHLIGFSYEADGAHVGVDELEPGIAPGNSDCAETNSCPAPMYWKDDEYTGVSNTPSLVP
IPEGSSDDFGLDAVEPLFFYPPLGGWEEMVPFVTSLTFDDENYDKDIFYFCHI HSGMSARI
KLIRPDGSM LSETNTPEIPYDYSCVSLYDAECGTYGLEKYQTSKNPQCPENFVCSDAVGG
IGVMANCINSMDCAMLSEMTVFYGDKGKDDRMNDVILFLREMIPHHENAVNMAKTLFISG
EVDCCDDPDEEDPA CLLEPIVRSI INVQNSQIQTMKGLLEGFV PENQQCNVLDSDTQDS
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>comp11306_c0_seq1; 412 1 1483 LEN=3616; translated
XNHLDARRVATRTNQSLLRERK GKIMKKSFIPTVALHIAFASIASIAVAGDLPGGSEDGK
QQLVVFAGPHKTSESNVEEFFYKYARGDHP ELSQYD SLLGWSWPQILGLGNHKAYDRLVT
DSDKPDVQTKIIDALVNRLGTSSRGLIMGGDEYDRVGN TSWSHRADATAIKKITTATGIQ
TEGVTIVLLYQNPRVEQWLSIFTQKIMEGSSSDTA FGDDYEEFLCNPE SASERIETLETA
MNPLLLSTIYINAGYNVAMIDLEGVRDAGLMVEHVIGCEILGGNCTDGWLYNLKTEDSLV
KFKNYHEREDNAKH PFHSLTIGDIQDLERLLQLRDCNYRSITDHSNFRLLYGKGPF RHCP
KHGDAAMKNLTNASLLFSAMQSQKGCNTDAISLESILKNAPDVNVYDLYEYS DDEIPSKR
IHPVWIVQIILAGGILLRLAFGMFTEWKVRRNTGDTLDGIMPRI IEDQYPGRYSLDG VVP
RSSEDQHRSLIEIM

>comp11306_c0_seq2; 383 1 1629 LEN=3762; translated
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QQLVVFAGPHKTSESNVEEFFYKYARGDHP ELSQYD SLLGWSWPQILGTVLVXCARKFPD
RQATESTL FVICVFSFVIVGAF LPISAFFSPLPDIAGLGNHKAYDRLVTDSDKPDVQTKI
IDALVNRLGTSSRGLIMGGDEYDRVGN TSWSHRADATAIKKITTATGIQTEGVTIVLLYQ
NPRVEQWLSIFTQKIMEGSSSDTA FGDDYEEFLCNPE SASERIETLETAMNPLLLSTIYI
NAGYNVAMIDLEGVRDAGLMVEHVIGCEILGGNCTDGWLYNLKTEDSLVKFKNYHEREDN
AKHPFHSLTIGDIQDLERLLQLRDCNYRSITDHSNFRLLYGKGPF RHCPKHGDAAMKNLT
NASLLFSAMQSQKGCNTDAISLESILKNAPDVNVYDLYEYS DDEIPSKRIHPVWIVQIIL
AGGILLRLAFGMFTEWKVRRNTGDTLDGIMPRI IEDQYPGRYSLDG VVPRSSSEDQHRSLI
EIM

>comp11307_c0_seq1; 765 1 2245 LEN=2475; translated
XVPDSPRASAGELYSNLSSSAT TNRPTSRVASYNASKHAK EVMGENYPPRSKRSGSMNFK
PVSSSSSSHAASSLLYSSSGGATMMNSAGTPTVSASDSNRHRLYFTSLKGD TSSHSW
TERRKKGLFGRFGKQQQQQQRQQNQLNQLSSGPEVTGGGGGGPMDPDGQVNEEDNYST
HGESLAPT PDDDTAFQSTEQLGDSEMEGTSSPPSRSSPASP DNGSNDEKSKESGESASAG
TPPQPKPKH SKFPSIPVLV FASVVVLCVGTLAGGLTYLW DKKSLDP IRPPTQAPVPGE
YGPPPTVHATGGDMPP IDPSVLP SDATLLQLFAFAIGQDSVDN SSSAAKAAADWMLNED
PRKQSMRPTSAGWIQRYLLVYTYFSTTGNGESTWLS CNPPSHGEEDARNSDECRFAYPTE
LPNGDVIFDLV PSSRWLSGTDECRWGGVACGKTVIDEASG TSMRAVTSIVLAQQLLRGSI
VTELTA LPELEMLDL SHNGLSGTLSEFRSLQTLRLQYNDLTGTIPVNF FDDQSVMKELN
VGSNNMTGTIPGQVAQASQMLTGLYLF DNGFTGSIPI LGEMPLTTFQAQNNRLSGMLPFDL
HVSGKWPD TLTWWVFGNQSLSGPIGETLGYLSSLED FRVQDNRLTGRIPESIGDLQRLFR
FEVNSNALTGTVPDEISDL PVL RDVQLQFNEFRGVVPPGLCFLTSMETLEADCLDIAVDG
FLFEAPPRTECYCCTSCC DPIAKECVTY

>comp11308_c0_seq1; 702 310 2031 LEN=2031; translated
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ADVASLIHGRCRHRPRFNATSFERNQTSYTEYNAWSE SFRDRFRELYEYIDASGLEFKA
MQFDPNISALERPNAESEAGAFYGEHYPEVDYTGFRGFNGDATSLEPRWRNQSFYFPIHY

MEPIRGNEAAIDL DYSSSRIRAVNALFRTRKPSLTDRLSLVKHEGQVSRCS SGNDDTS
YSGPSFGVVLMPGVRLSEDDETSWPRDFSSIVLCISDLMKRAAIHQNKVSVYI HDLSH
PKEIDPVFMGAARLDCNSTYSSDENRNHHDGTAMVQSASSFHLLLEEVSLYDLDCDDDISC
YQKTI SI ANRKWTVTVLNEEGPDRIQMVVAMIGLFVFAAFVGLAVVWVANDRRNRVYAK
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>comp11309_c0_seq1; 1041 198 4947 LEN=5188; translated
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RCTKRKTASTNGSNGPCTKI QSFIFDEVMSSDMLLA AFVTTCEAITTDLIGIGPILPLNS
GSRVQVFCGNFGVILLNKWWLQ NRESESAALDTLQQMVEVTMMRGAQSGGVVYHPVQS
KETKDTTAPCFKAVRSRVV NKKRTDLSKLVRAKVERDFRAKVRPTSLSQETDSFVPRM
MAGHTRFATSSSLSTLDGTHPHQWTPPSTRRVYSMEKNGNTRNKNYFVPRPTLVTVENYIT
HNGDFDFQSRGKTYDLETIQEWLSVVTETEMPAVVDS CAIAGMVDILRTQGC FGLSARY
ALVLGMESSNCGMNMKTENGRKQRTAMP PYTYGLENVIGLAF EKALEEFCIENGATCLR
EIGSHGRSRAILSRKALERLRTL PNDLSRPLIKAIGTQTLMD SFGARRTGARKNLFDFSI
DNE SDEEFDGDIESNPVDKSLRPF CRMTIDAFFDNDLFMTTKLFMESAKGSFGISVTSNL
DAHRQMCLAARGQTI SIAFY PDKDLICYGSEQA AVKAGMSTKLDRSIDKEKLESTTCSNR
DVDNESTRLDLDDL GGEIIVLDWGRQKYQTSPVSLPNCHLEEHMMNGKITAILHQESKS
TRTDESELFHRMTKLSNHLIQPLQPSTDDPVLKDIQDIPYVCKNIQDDWNARRPIYSIGG
LNRLTAYNLSRCLRKRLEQHVAGTVPKKSLDILLTGCEVSLYLAEQFATDLQKSFPKLCI
EAVSSNKLLGLYGQEI AVPSIGFPYAPQTRNIKDAIVI IVSHSGGTFGPLACSNLLQSAT
QSIYVVTSEWDTQIGKQLRMMDEITGSI SNLMNQRI FSTDIGMRPAEPCSVSVAATHQLL
TNLFSYISVVILSDPRFRVT TKAQINEQDIQILEKCNEMNIEALTETVGHNQRGYPLDTV
SRLRRNLYELGNLWSDHILEQARAYIMGGVYIFVTVTCGWPLVSLIGRGGVVEGHRIMY
FLRFLDSCIYFWLPQICIMI IRIFQGRNLRHRMVGRTVVI GDIPWEVNLVFPNFVKLLME
QMNDFQYPDSIRWLKQRFLNAADAF LSKCFAVSYSIAGLNVLSGNPSDHFVHRHTRHVR
GTLAIFGRPDGRLSALSTAEGSVCLSVNQASSIQSYGGTCE SITIGHNPFTLNLSKTAIF
LKRHRPLFLCERLLVEADAEERTTREREQLDES SVSSDES VSRHRNSLAKSCKNVFTSF
RKRDISPLNTSIHQMMDTSI SLQIHKRRSTHALVGAYLDI KEQSN SIRHASDLDSGEINE
SYAVDDCVAEVINEKKSDDRLQRV FQFKDKDGDGILSEADFVKGLVAID SALT ESEAKIM
FREADSDRSGAVDYNDFIAFLKRFRYDQRVKMPPSNRDN RGMIVVQASKEKYFGETLRKY
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>comp11309_c0_seq2; 1082 198 5079 LEN=5107; translated
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GSRVQVFCGNFGVILLNKWWLQ NRESESAALDTLQQMVEVTMMRGAQSGGVVYHPVQS
KETKDTTAPCFKAVRSRVV NKKRTDLSKLVRAKVERDFRAKVRPTSLSQETDSFVPRM
MAGHTRFATSSSLSTLDGTHPHQWTPPSTRRVYSMEKNGNTRNKNYFVPRPTLVTVENYIT
HNGDFDFQSRGKTYDLETIQEWLSVVTETEMPAVVDS CAIAGMVDILRTQGC FGLSARY
ALVLGMESSNCGMNMKTENGRKQRTAMP PYTYGLENVIGLAF EKALEEFCIENGATCLR
EIGSHGRSRAILSRKALERLRTL PNDLSRPLIKAIGTQTLMD SFGARRTGARKNLFDFSI
DNE SDEEFDGDIESNPVDKSLRPF CRMTIDAFFDNDLFMTTKLFMESAKGSFGISVTSNL
DAHRQMCLAARGQTI SIAFY PDKDLICYGSEQA AVKAGMSTKLDRSIDKEKLESTTCSNR
DVDNESTRLDLDDL GGEIIVLDWGRQKYQTSPVSLPNCHLEEHMMNGKITAILHQESKS
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LNRLTAYNLSRCLRKRLEQHVAGTVPKKSLDILLTGCEVSLYLAEQFATDLQKSFPKLCI
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QSIYVVTSEWDTQIGKQLRMMDEITGSI SNLMNQRI FSTDIGMRPAEPCSVSVAATHQLL
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SRLRRNLYELGNLWSDHILEQARAYIMGGVYIFVTVTCGWPLVSLIGRGGVVEGHRIMY
FLRFLDSCIYFWLPQICIMI IRIFQGRNLRHRMVGRTVVI GDIPWEVNLVFPNFVKLLME
QMNDFQYPDSIRWLKQRFLNAADAF LSKCFAVSYSIAGLNVLSGNPSDHFVHRHTRHVR
GTLAIFGRPDGRLSALSTAEGSVCLSVNQASSIQSYGGTCE SITIGHNPFTLNLSKTAIF
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SYAVDDCVAEVINEKKSDDRLQRV FQFKDKDGDGILSEADFVKGLVAID SALT ESEAKIM
FREADSDRSGAVDYNDFIAFLKRFRYDQRVKMPPSNRDN RGMIVVQASKEKYFGETLRKY

NAGKNKVKDMDFVLAQSQHLVQELYETRIASMQR FVAMCVFFHHISKRVERFFARISFGY
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ENEVEA

>comp11309_c0_seq3; 491 1 1442 LEN=1470; translated
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LFLCERLLVEADADEERTTREREQLDES SVSDES SVSRHRNSLAKSCKNVFTSFRKRDIS
PLNTSIHQMMDTISISLQIHKRRSTHALVGAYLDIKEQNSIRHASDLDSGEINESYAVDD
CVAEVINEKKSDDRLQRVVFQKFDKGDGILSEADFVKGLVAIDSALTESEAKIMFREADS
DRSGAVDYNDFIAFLKRFRYDQRVKMPSPNRDNRGMI VVQASKEKYFGETLRKYNAGKNK
VKDMDFVLAQSQHLVQELYETRIASMQR FVAMCVFFHHISKRVERFFARISFGYWG YRLD
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>comp11309_c0_seq4; 1193 198 4982 LEN=5010; translated
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RCTKRKTASTNGSNGPCTKIQS FIFDEVMSSDMLLA AFVTTCEAITTDLIGIPILPLNS
GSRVQVFYCGNFGVILLNKWWLQ NRESESAALDTLQQMVEVTMMRGAQSGGVVYHPVQS
KETKDTTAPCFKAVRSRVV NKRTDLSKLVRAKVERDFRAKVRPTSLSQETDSFVPRM
MAGHTRFATSSSLSTLDGTHPHQWTPPSTRRVYSMEKNGNTRNKNYFVPRPTLVTVENYIT
HNGDFDFQSRGKTYDLETIQEWLSVVTETEMPAVVDS CAIAGMVDILRTQGC FGLSARY
ALVLGMESSNCGMNMKTENGRKQRTAMP PYTYLE NVIGLAF EKALEEFCIENGATCLR
EIGSHGRSRAILSRKALERLRTL PNDLSRPLIKAIGTQTLMD SFGARRTGARKNLDFSI
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DAHRQMCLAARGQTI SIAFYDPKDLICYGSEQA AVKAGMSTKLDRSIDKEKLESTTCSNR
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TRTDEL FHRMTKLSSNHLIQPLQPSTDDPVLKDIQDIPYVCKNIQDDWNARRPIYSIGG
LNRLTAYNLSRCLRKRLEQHVAGTVPKKSLDILLTGCEVSLYLAEQFATDLQKSFPKLCI
EAVSSNKLLGLYQGEI AVPSIGFPYAPQTRNIKDAIVI VSHSGGTFGPLACSNLLQSAT
QSIYVVTSEWDTQIGKQLRMMEITGSI SNLMNQRI FSTDIGMRPAEPCSVSVAATHQLL
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IQSYGGTCESTITIGHNPFTLNL SKTAIFLKRHRPLFLCERLLVEADADEERTTREREQLD
ESVSSDES SVSRHRNSLAKSCKNVFTSFRKRDISPLNTSIHQMMDTISISLQIHKRRSTHA
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DGILSEADFVKGLVAIDSALTESEAKIMFREADS DRSGAVDYNDFIAFLKRFRYDQRVK
PPNRDNRGMI VVQASKEKYFGETLRKYNAGKNKVKDMDFVLAQSQHLVQELYETRIASM
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>comp11309_c0_seq5; 450 1 1310 LEN=1551; translated
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PLNTSIHQMMDTISISLQIHKRRSTHALVGAYLDIKEQNSIRHASDLDSGEINESYAVDD
CVAEVINEKKSDDRLQRVVFQKFDKGDGILSEADFVKGLVAIDSALTESEAKIMFREADS
DRSGAVDYNDFIAFLKRFRYDQRVKMPSPNRDNRGMI VVQASKEKYFGETLRKYNAGKNK
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>comp11309_c0_seq6; 1152 198 4850 LEN=5091; translated
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GSRVQVFYCGNFGVILLNKWWLQ NRESESAALDTLQQMVEVTMMRGAQSGGVVYHPVQS
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DGILSEAD FVKGLVAID SALTESEAKIMFREASDRSGAVDYNDFIAFLKRFRYDQRVKM
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>comp11310_c0_seq1; 388 176 1138 LEN=1233; translated
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>comp11311_c0_seq1; 255 250 792 LEN=854; translated
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>comp11311_c0_seq2; 244 1 546 LEN=608; translated
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>comp11312_c0_seq1; 746 451 2652 LEN=2920; translated
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>comp11312_c0_seq2; 410 451 1910 LEN=1910; translated
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>comp11313_c0_seq1; 818 131 2467 LEN=2573; translated
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>comp11315_c0_seq1; 707 199 3048 LEN=3433; translated
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LATFTSLVVSKEKLS ELMELKQDLFYNYGGHLLS SKLSSAETSSALYAYAKANYVQDK
GVFDHLVDLLASSRHSCSSRQLSQT LWSCGKMITWERQEME QMDDGNSEMEDPPYLENAL
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GLAKVRYSDGKLIGLSERL TEDDIIVSSPQVAASIMFSMGR LRWKDEILFQKLSSTMID
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>comp11317_c0_seq1; 229 199 444 LEN=488; translated
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>comp11317_c0_seq2; 583 131 1801 LEN=1845; translated
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>comp11317_c0_seq3; 609 131 1800 LEN=1844; translated
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>comp11317_c0_seq4; 543 131 1956 LEN=2000; translated
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VHDPDSCXPQAVRDRDPACTCLPDVFLYFKGFHALQTYRVANAIWKTDNKQVLAHYLQSQ

MSQTFQIDIHPNATLGKQNFGRARLLRGVLYNLXDYRENRIDAKQWYFKENTIAILISL
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>comp11317_c0_seq6; 649 131 1645 LEN=1689; translated
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>comp11318_c0_seq1; 802 90 1973 LEN=2111; translated
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>comp11321_c0_seq1; 660 83 1306 LEN=1539; translated
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LDYHDVQTSMDVDDKTGKRAPAMRRSSSKTQTFCHIGGTEEQQTNNVHTIGVASNDSAED
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>comp11322_c0_seq1; 1072 556 3182 LEN=3422; translated
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DEPYTIVQVNKLWEDMSGYTAEEVVGKTS CRVLEGEQTDNAVEVFMDEIRFKRPTSAMI
LHYKKSHERFKNF FTAYPLSTDSRITHYLIFTSYVGGVGDGSESTNNVTTTRGVVDNPQVA
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>comp11322_c0_seq2; 1169 99 2774 LEN=3014; translated
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LNAVQC GARMEVSKQGMLCCKFN SAHKIVGLELMFDMALMLQLKQAAGSHTF SVIPNTV
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TNNVTTRGVVDNPQVALQPSIAQTNLLTQNLRFNAAQRQAAATTTTNLPNFQPLIALP
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>comp11323_c0_seq2; 153 1 477 LEN=849; translated
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>comp11323_c0_seq3; 132 1 322 LEN=398; minus strand; translated
XIPPAKTVRNSSSWMAFAISESMVAIHMLCAAFDISTCVVTSTGKISNFVVLVDDVEESWC
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>comp11324_c0_seq1; 492 223 1431 LEN=1510; translated
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RTKLAHR ICTTNEGKSGGLVFHHEQAQTPLWPSHVFFCCQLPARPGDGGGETGIVSSPLVY
DELRRRHPGFCSKLEAEGVRYTVFAGPRQDPSKGAGRSWKSFFHASTREECERKMGLGGW
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>comp11325_c0_seq1; 1068 290 3310 LEN=3515; translated
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VRFILERAET FSTVLLERLRAQAC SMLGCFASHIGTTISRYQKKNKSNQEVN FLREDLES
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KLGLYSDTATI ASDFKPILLNIAANENESIQCRAQALLGLSDWAILFSDVLQPLTDSSSG
NSLSLLVIVQEMI QHKNS TLSAIASEVATKLLFSAQTLDNHLLSLLLVS YLDP SKIQQLG
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FLVKN GHELNLTQLRSLCKFLGNQDIRIENHNKAELGKLDRIEELAF LDDPSSLKALLP
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>comp11325_c1_seq1; 160 979 1098 LEN=1491; translated
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>comp11325_c1_seq2; 639 407 2770 LEN=3050; translated
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EII FVPMP IGEKGEKAFNEKFM DQMGISRLPYLFFLADEE EPGVEAF AHID DVFAVSEMY

MSISAAREARRENWNTYDEYATIDSMQPSDEWEGSRAVEDY YRVNSRSSIDFDKYSAPDD
EVSYREPLDGDCCDDVDQEQPHGQEDETGSYFAAPTREFVDYISHLTSSFSVEGSKLRQYG
ASYYSNATFSKKEDTEGKKEIKSKRSGSNHSRCI IENTESI QDRRDEYKQRRGSNAKGGD
DDCHRQDQSTMSCSVEEISQISELTMIDIPTIATEQPQKTFAHCAPTLPTI SEVKQFQSPE
IAAATCVDGVRNSKACSPGSDTTTNESEGNNDVMDVDFVGLVEDALCTPMKTSKSERKKVF
MEAFYEEESQVVKMAKKSASKKALHETSKHSRSSLSTNHAGNQKPERRSPGYSEDEGSIM
DPANRTNAPESSTHSVGRTEHSMKIVDKPPLDTTGFPALGVPQDEELTMDWSKMMSLA
EKQLAAGEKHVGAEEENSVVSRISAISRELSKASFYTSIRGDQSHSPQTNFRSKAAFVSK
STNIESSPTSSITNSSSTHGTMEHSVVQELRELSALESSSFEEQSRFLLTSSLFRIMRHL
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>comp11331_c0_seq1; 383 115 1750 LEN=1750; translated
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VKQIRRSRESESRYYNDGSDTINTADNINNDDDV I KKG YKIRKAFTFWYDGVVVS NK P
EWRYCHEENQNLKMWKVRFDNDDEEELTRQOLEEYHANLLSTRKTRFRVDTVAEPVYSNL
SCASKTLDMSYNKAFADLCNRVGF TQDEV RWALAEVGLPYCLNASVERIMERK D STAME
RFKNSQRRELRMLEFFAGKAVVSEALHNYGSYWRTRS IDKDPNSRATDKIDFMKVRWKNI
GKLPDFIWITLPCFTHSFLARGDNRSTKENWFAKAPALWQDRFLARMSWFLEWVKKKND
HVIFVIENPTGWMGEMAMIKTIVGKMEMRRTTVDYCVS GGS DKVSTNLWTVNSSCGYATS
YVFNVX

>comp11331_c0_seq2; 450 115 1962 LEN=2404; translated
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YYQERNKYNSLNCNGKQKQSDPKDRIHRKEKTQPSQDCE TNDDPECHEIKRVVKITHSSN
VKQIRRSRESESRYYNDGSDTINTADNINNDDDV I KKG YKIRKAFTFWYDGVVVS NK P
EWRYCHEENQNLKMWKVRFDNDDEEELTRQOLEEYHANLLSTRKTRFRVDTVAEPVYSNL
SCASKTLDMSYNKAFADLCNRVGF TQDEV RWALAEVGLPYCLNASVERIMERK D STAME
RFKNSQRRELRMLEFFAGKAVVSEALHNYGSYWRTRS IDKDPNSRATDKIDFMKVRWKNI
GKLPDFIWITLPCFTHSFLARGDNRSTKENWFAKAPALWQDRFLARMSWFLEWVKKKND
HVIFVIENPTGWMGEMAMIKTIVGKMEMRRTTVDYCVS GGS DKVSTNLWTVNS SKLHAALS
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TEEITFFNKMMGGAD

>comp11332_c0_seq1; 251 57 551 LEN=848; translated
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MCQGGDFTNHNGTGGKSIYGEKFADENFKLKHTGPGILSMANAGPNTNGSQFFLCTVQTA
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>comp11333_c0_seq1; 255 1 911 LEN=1437; translated
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GQGEAFVIFANPMDYQMALQRDRQTIGRSFVAITPGSRSDYYS AIATQQWQETQGGPIVR
TSDDIHLGEEHHHHHKDTKGTELFGMIPSGYPSQSSLGGHGGGRSDSGSRRGGGGG SIGG
GSMGRSNTGRMNPPGVIVKRTGGGIQIGEHTGFLMRGLPFSATKEDIYVFFEEYNTV S
DSIVLTYRSDGRATGEAYVQFETGEDSKRAMDLHRKMMGNRYIELF LSNKEEHGRALARF
GDR

>comp11333_c0_seq2; 307 1079 1987 LEN=2513; translated
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QGEAFVIFANPMDYQMALQRDRQTIGRSFVAITPGSRSDYYS AIATQQWQETQGGPIVRT
SDDIHLGEEHHHHHKDTKGTELFGMIPSGYPSQSSLGGHGGGRSDSGSRRGGGGG SIGG
SMSGRSNTGRMNPPGVIVKRTGGGIQIGEHTGFLMRGLPFSATKEDIYVFFEEYNTVSD
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DR

>comp11333_c0_seq4; 331 154 1263 LEN=1789; translated
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HQPLQQSMEGVPLPPGIPGLGGSTDPLEAVLGPFP CARLRNLPFDATLEDILILFQGLV V
IDVVLIGQGEAFVIFANPMDYQMALQRDRQTIGRSFVAITPGSRSDYYS AIATQQWQETQ
GGPIVRTSDDIHLGEEHHHHHKDTKGTELFGMIPSGYPSQSSLGGHGGGRSDSGSRRGGG
GGSIGGSMGRSNTGRMNPPGVIVKRTGGGIQIGEHTGFLMRGLPFSATKEDIYVFFE
EYNTVSDSIVLTYRSDGRATGEAYVQFETGEDSKRAMDLHRKMMGNRYIELF LSNKEEHG
RALARFGDR

>comp11334_c0_seq1; 408 82 684 LEN=1100; translated
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VAIEIESSDEEETDDEEEEDVPKIAKATKKAAKKAAKKSVAAMKPKKKKSSLSNFFRVP
YIVKACLNPVVFQMVGGYWKSLYNINYLADKSADSSQDLRSALEQKARYGGGGKPSRG
KRKMKPGQAKTSLDLPQLNT

>comp11334_c0_seq2; 405 82 910 LEN=1326; translated
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VAIEIESSDEEETDDEEEEDVPKIAKATKKAAKKAAKKSVAAMKPKKKKSSLSNFFRVP
YIVKACLNPVVFQMVGGYWKSLYNINYLADKVRSLVLLHMLPKTFHERSTTSILEAVA
SVQRP IHNWVTKQKSELVMTSSANSVVMFFKYVLLICFDYFYNSFLQSDSSQDLRSALE
QKARYGGGGKPSRGKRKMKPGQAKTSLDLPQLNT

>comp11335_c0_seq1; 398 508 1566 LEN=1624; translated
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GDEIPIVRGSALAAEGKNPEMGRDRVLELMDTVDENIPEPERVLDKDFLMSIEDTFSIA
GRGTVVGTGRVEQGIIVNVGDDLEVIGFDQDQKTTCTGVEMFRKLLDQGMAGDNIGALLRGL
KREEVRRGQVLVKPGSIKTATKFAEIIYALTKEEGGRHKPFMTNYRPQFFLRADVTGAL
HLQEGTEMVMPGDNTTIVTVELITPIAMEPGVRFNMREGGMTVGTGVITKMLE

>comp11336_c0_seq1; 123 1 713 LEN=898; translated
VLCCVFAAALVLAASVVVLFDDGMRMQKQTAGTNPVVPVYVGSGLGFVDASCMNLSRGTWKS
FRGMLYLNMLVFRFVSFRVLF AIFPFAPSSVPKTKTKTPIDETNDGADQTTQVLQNRFYE
STKFDTELNRNFKGRNIHYQSFWTLTANRGALGSEQVKT LAEAKGLTPQQYMF AFMMSME
NVTPLSGTTSRMHMAQDVAVMERVQSGESMFTTHEQRLF AKILGMPMDAPGSTAYN

>comp11336_c0_seq2; 393 108 1169 LEN=1354; translated
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GATLRKPHLVYGTAWKKEETAGLVRQAVATGFRFIDTACQPKHYNEAGVNGWTAQAQEL
GLSRGDLWLQTKFTPIGGQDPNNVPYDQEAPLADQVRTSLEVSLKNLRTDYLD SWVLHSP
LEAFEDTMAVWRVMEEAVDAGKVRQLGISNICYDLDFVFTLYQQARHKPAVLQNRFYESTK
FDTELNRNFKGRNIHYQSFWTLTANRGALGSEQVKT LAEAKGLTPQQYMF AFMMSMENVT
PLSGTTSRMHMAQDVAVMERVQSGESMFTTHEQRLF AKILGMPMDAPGSTAYN

>comp11337_c0_seq1; 273 94 1203 LEN=1412; translated
MSGVKRDIDDAEESSSDTEASPFVCMPEYGEHKRAVSSVQLAPSRLTKHSAALCASASA
DGSVKIWDLSDFEPAHRGGEYPLQSSATLVGHGRGINDVCWSNGTDPFIATASDDKTLR
LWDAQTEALVDFRGHDFVFCQFNPNASLLVSGSFDETVKLWDVRSQCISTLPAHSD
PVTAVSFNRDGT CVVSASHDGLIRVWDVGTGECLKTVFAAGNPPVSHVTYSPNGKYVLAG
TLDSALRLWPMSVSGKSKCAKTYTSEQHTNTKYCIASRFLVSQPKRRQCIVTGSSEGHVV
LYDVQTRKVHQVLEQVHKDVMAVDAHDDLELLASGGMSKDRTVRFWRTKKEVESMRAKK
AKKQTEESE

>comp11338_c0_seq1; 396 420 1540 LEN=1773; translated
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SKFDLNMVPGXSPFNVI FSWQLDIISQLNGIVAVAAGMMIAASYLLYEGWTFDDPNDCE
SVSVPARTIIGGFVGLVFINVTERLLADYEDLTVGGLAGADAKRALLIFFVMTLHSFSEG
VGIGVSFGGTHGSELGVFISASLAVHNIPEGLAMSVTLMPRGTSLATAIVFAILTSIPQP
LMAVPAYEFVYHFIPVLPVGLGFAGGAMAWVALFELLKEAIEDSGILT TACVSSASLIGM
HFLNEIIDHGARS

>comp11338_c0_seq2; 429 420 1358 LEN=1591; translated
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YGWLTAVFTGLGALPLAFAPNLAAYWVGLSNAVAAGMMIAASYLLYEGWTFDDPNDCECS
VSVPARTIIGGFVGLVFINVTERLLADYEDLTVGGLAGADAKRALLIFFVMTLHSFSEG
VGIGVSFGGTHGSELGVFISASLAVHNIPEGLAMSVTLMPRGTSLATAIVFAILTSIPQPL
MAVPAYEFVYHFIPVLPVGLGFAGGAMAWVALFELLKEAIEDSGILT TACVSSASLIGMH
FLNEIIDHGARS

>comp11339_c0_seq1; 386 198 1213 LEN=1213; translated
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GTYFRQVGTDDHPQYREAAIRLDCLGNTVAVRLKQKDYHAAKLAVALLEVPNHPKSL
LRAAKAALLDPASTLGEAEAAIRAESA MASEGGDGSASSAERKELLRLKAQWKKKRDDY
KQTTTRAMFGNKLNHNEPNSSGSGSSNEDNGHHGAKRDPDP RARGGAAS TGQSPLPACGG
TDDAAEAVSPKRHAWHAI VFLVVPILLVLF AKPGSTRX

>comp11339_c0_seq2; 348 1 1092 LEN=1092; translated
XLERAFWMVVVGDGVDLPALEMGIRFMRVGQTALIWHPKFALGRGTRTTIQSGSNTAAE
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PDCGHAMNRLRLYARAAADMETLLGGTYFRQVGTDDHPQYREAAARIRLDCLGNTVAVRL
KQKDYHAAKLAVALLEVDPNHPKSLLRRAAKAALLDPASTLGEAEAAIRAAESAMASEGG
DGSASSAERKELLRLKAQWKKKRDDYKQTTTRAMFGNKLHNHNEPNSSGSGSSNEDNGHHGA
KRDPDPRARGGAASTGQGSPLPACGGTDDAAEAVSPKRHAWHAI VFHLVVPILLVLFAPK
GSTRX

>comp11339_c0_seq3; 534 76 1486 LEN=2232; translated
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DEPSDPNGLLFQKADDWL VVVG DGDVLPAL E MGIRFMRVGQTALIWHPKFALGRGTRTT
IQSGSNTAAEIPERIPPNSSVVYRVTVKQKVMDSRLNPFYFTIQKALSRKQIANDVYRNE
WCPKSDEGDAPDCGHAMNRLRLYARAAADMETLLGGTYFRQVGTDDHPQYREAAARIRLD
CLGNTVAVRLKQKDYHAAKLAVALLEVDPNHPKSLLRRAAKAALLDPASTLGEAEAAIRA
AESAMASEGGDGSASSAERKELLRLKAQWKKKRDDYKQTTTRAMFGNKLHNHNEPNSSGSGS
SNEDNGHHGAKRDPDPRARGGAASTGQGSPLPACGGTDDAAEAVSPKRHAWHAI VSTWSS
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>comp11339_c0_seq4; 550 76 1378 LEN=1378; translated
MVDQDDKNGWQELMGKELLMKVVS DGSAGSKGSGGGADTDNGTIEPQQAVLVSFEGRTA
DEPSDPNGLLFQKADDWL VVVG DGDVLPAL E MGIRFMRVGQTALIWHPKFALGRGTRTT
IQSGSNTAAEIPERIPPNSSVVYRVTVKQKVMDSRLNPFYFTIQKALSRKQIANDVYRNE
WCPKSDEGDAPDCGHAMNRLRLYARAAADMETLLGGTYFRQVGTDDHPQYREAAARIRLD
CLGNTVAVRLKQKDYHAAKLAVALLEVDPNHPKSLLRRAAKAALLDPASTLGEAEAAIRA
AESAMASEGGDGSASSAERKELLRLKAQWKKKRDDYKQTTTRAMFGNKLHNHNEPNSSGSGS
SNEDNGHHGAKRDPDPRARGGAASTGQGSPLPACGGTDDAAEAVSPKRHAWHAI VFHLV
PILLVLFAPKPGSTRX

>comp11339_c0_seq5; 370 198 1321 LEN=2067; translated
MAHHL SVSSKVAPEVCPRE RNADHDTKRQQRGRDPREDSAELE RRLPGAVKQKVMDSR
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GTYFRQVGTDDHPQYREAAARIRLDCLGNTVAVRLKQKDYHAAKLAVALLEVDPNHPKSL
LRAAKAALLDPASTLGEAEAAIRAAESAMASEGGDGSASSAERKELLRLKAQWKKKRDDY
KQTTTRAMFGNKLHNHNEPNSSGSGSSNEDNGHHGAKRDPDPRARGGAASTGQGSPLPACGG
TDDAAEAVSPKRHAWHAI VSTWSSRSSSFCSRDTGTSARGERAKPGSTRAKTAAGRGRV
DALPGTRGPRAATW

>comp11339_c0_seq6; 332 1 1200 LEN=1946; translated
XLERAFWMVVVGDGVDLPALEMGIRFMRVGQTALIWHPKFALGRGTRTTIQSGSNTAAE
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PDCGHAMNRLRLYARAAADMETLLGGTYFRQVGTDDHPQYREAAARIRLDCLGNTVAVRL
KQKDYHAAKLAVALLEVDPNHPKSLLRRAAKAALLDPASTLGEAEAAIRAAESAMASEGG
DGSASSAERKELLRLKAQWKKKRDDYKQTTTRAMFGNKLHNHNEPNSSGSGSSNEDNGHHGA
KRDPDPRARGGAASTGQGSPLPACGGTDDAAEAVSPKRHAWHAI VSTWSSRSSSFCSRDT
TGSARGERAKPGSTRAKTAAGRGRVDALPGTRGPRAATW

>comp11340_c0_seq1; 392 1 1313 LEN=1448; translated
XHFSIYKSDIKPSIKVAQNMF GKTLAERTLKEWRFYVVDYKDLKCKINKSKEDSLSQEE
TKAAFDAILHLSEKKLSKFYHDKQAWAEGYIPTLETRVEDLRKSASLPGSPGSPSSISMN
GSMTSDDFEVLTSSSPTGIADNLQLRLDKLTI DGNERSDGAFLKQAYRQMGASKHFQDF
IYAKKSLVTFQRELDLLEFLDINKTAFSKILKFKDKQTGSSFREDRLDEILQRNAFLEG
EVLMMKRRVEGLIEEVTS LKPRLPNGWENRKVYTI GCFDLFHRGHQNVLLSLREFGAYL
IVGIHDDSEYFKLKNKYTI DNLETRMNNV KPFADQIYVIPSTDPLVYIKNMVSDQDIANG
SCCYARGDDMLNFP SREWVESVMPVHFVPRTEGCSSTLIRTIYHSENQELRQKAAFAKTR
YDGKPIDEDGNV LK LKA

>comp11340_c0_seq2; 447 796 2052 LEN=2187; translated
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ADNLQLRLDKLTI DGNERSDGAFLKQAYRQMGASKHFQDFIYAKKSLVTFQRELDLLE
FLDINKTAFSKILKFKDKQTGSSFREDRLDEILQRNAFLEGEVLMKRRVEGLIEEVTS
LKPRLPNGWENRKVYTI GCFDLFHRGHQNVLLSLREFGAYLIVGIHDDSEYFKLKNKYTI
DNLETRMNNV KPFADQIYVIPSTDPLVYIKNMVSDQDIANGSCCYARGDDMLNFP SREW
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>comp11340_c0_seq3; 447 1178 2434 LEN=2569; translated

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ADNLQLRLDKLTIIDGNERSDGAFKQAYRQMGASKHFQDFIYAKKSLVTFQRELDLLE
FLDINKTAFSKILKFKDKQTGSSFREDRLDEILQRNAFLEGEVLMKMKRRVEGLIEEVTS
LKPRLPNGWENRKVYITIGCFDLFHRGHQNVLLSLREFGAYLIVGIHDDSEYFKLKNKYTI
DNLETRMNNVKPFADQIYVIPSTDPLVYIKNMVSDQDIANGSCCYARGDDMLNFPSPREW
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>comp11342_c0_seq1; 1285 232 3390 LEN=3437; translated
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LSTASNESASKEQGLARGLETARNRAQSSFGRLLEGIVDMEKPQVVNKFPGFSPNLNSND
DEYTMGIDNDNDIPTGNSNGRTDIFVPPFLAKKHFFKKPLLALDDPEWRRPGHGVETKLG
EMKPVRVSPNVIAPSHHYQHPYLEELKSIDYPEWQFETTAERPQKILKDDGPLSGNATMI
DTQEGKELKTLLESDEFQLREIAIDLEAHSYRSFSGMICLIQISIKGGRDFLIDFPFVW
NHIHNTLAPTLANPNIVKVFHGADSDIAWLQRDFGLYVNLFDTGRAARALKFPSAGFAY
LLEHYVEGAKADKSHQLSDWRQRPLPSAMKEYAIMDTHYLLDIYNAMKYDLLHDKNTSIE
KVLEESRKVCTIRYTPVFRPDGYRSLTQRRGHKTQLNSRQDDVLRRELWDWRDQLAREND
ESNTFICTNTQLMRVAMACPVNLSTLQGLLQPMPLLRNSKEVLGIIQNCLNSHQQRK
QEHPSSSAYFKPANPENDNMDENETPRRPSRSLMSPVLGTEALYREAGWISPAHELGDK
EDGEDGIVEDIVTTSATENESDVDGEELKGDPRGDENSNKEKSKRKRPRGLVVHEANEKF
QSRQFTLHSLQMGNDASTDTSTSKKAQNTIKTREVIDGFGSARVTHLTPEDMEEAIELA
KNSADRIRTSQETCGILGLISSADLRDDEDDSTDLAGNDDNQVGERGKPTQEEFVIPR
SMREIYRISNRNRNKKSSSPLPQEHDEEELKELEKAESILKTRSSEGKNYIEMIPSSPK
RQRTKSSGAASLSSSEDAIGQDSGSLTRDDDIALMQEVGWEGKEEIDSMLKQRRDADGD
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>comp11343_c0_seq2; 152 1 850 LEN=1631; translated
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GSWMCMTTGLVMASQVAPTFQLPVSYSTNAQTKMQIRCPDFADKRLETNDPFEVRGLE
RISRHPGLWSFGMIGMSQSLLAPTIPLQIWWLGP SLVAVLGGSH TDSRFRRMGGVLRPE
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>comp11344_c0_seq1; 468 500 1585 LEN=1743; translated
MERMKASINPLFSDVTWGAGGSTAELTLDIANQLKKTGHVANMHMTCTNMEKDGDPKAV
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YPEGHPNAISLVEDPSTMTEAEKARSSTDDEGKVYTCRDEDYKKEMDYLKIDAGGDFI
ITQMF FDTKVFGS FVKDCRKGWIDCPIVPLMCINAYAGFVKMTKFKCKTRVPTELRAKMD
SLKDDSDAIKAFGIEFGTQMCQDLIEIGVDVLHFYTLNLEKTTYGILDGLGYNVTGSADD
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>comp11344_c0_seq2; 527 202 1419 LEN=1577; translated
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ALRGDPAHGQEEWTAADGGFTCALDLVEYIRENFGSEFGISVAGYPEGHPNAISLVEDPS
TMTEAEKARSSTDDEGKVYTCRDEDYKKEMDYLKIDAGGDFIITQMF FDTKVFGS FVK
DCRKGWIDCPIVPLMCINAYAGFVKMTKFKCKTRVPTELRAKMDSLKDDSDAIKAFGIEF
GTQMCQDLIEIGVDVLHFYTLNLEKTTYGILDGLGYNVTGSADD SDEKTMVAKGSAWARV
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>comp11345_c0_seq1; 449 256 1902 LEN=2282; translated
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SPQRSFSVTRWSEVAADSSKNGQEESPLNSWSNSAVGGRKRESRLQVRRRVKAVLEKARI
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SIQRSYVSGNSNSTTSESSGTTDVRPRKPKEFDVIRGDVPSANAFVEPLPFQLPKLSVE
QKQKLVNGERIQEQSRMGREGSYVVL DVEAPPVWECCLDFESYPELIPTVKSMQLYT
STKLN TGFISEKPVVPGTGRETRHYGTPSITRASFILSKFRFNIAAIHRYTPHPEGDYMV
FTLDPSC TNAV LK GAKGTWYTQENPDGREVSLSKMWT KD K Y IFFPLWIAVFRINLSCNCS
PYILL LLYISLYLKGFTRVYLLAGLQISRALPKFIVDYAADRAMPRATKWLKPEVDALKE
ELFTA KDP
>comp11345_c0_seq2; 443 256 1767 LEN=2147; translated

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RTGVRNGSVSPSSSSPPRPTSNVVAEAAASIGGLGDSADIVFTSSTSQVLKRNGVTNGAT
NATAVAKQSKNGSSQSTNSTNSFLYQDDELGLGMRNDAFLNTSAGTNGISEEAFETSSNT
SIQRSYVSGNSNSTTSESSGTTTDDRPRPKPEFDVIRGDVPSANAFVEPLPFQLPKLSVE
QKQKLVNGERIQEQSRMGREGSGYVVLDEAPPFVWVECLLDFESYPELIPTVKSMQLYT
STKLNTGFISEKPVVPGTGRETRHYGTSPITRASFILSKFRFNIAAIHRYTPHPEGDYMV
FTLDPSCCTNAVLKGAAGTWTQENPDGREGFTRVYLLAGLQISRALPKFIVDYAADRAM
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>comp11346_c0_seq1; 523 168 1882 LEN=1925; translated
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FENDFALCKLDTPVYVNDTTVTLRLGEQPMFPPAEVEEVAIGFGRNFTGPTSLSGPPPEF
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SFVYGRLLDDNEDFAFCGLGRPWLDPVYGRVSSAIGFVQRTICEEGNSRSPFCNTDPLACE
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SSFQGLTASPFSFLVFSYQDEICLARGALYEFIDRAGGAKGGGLYSLILDGKEAGTFSE
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>comp11346_c0_seq2; 488 168 1786 LEN=1829; translated
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FENDFALCKLDTPVYVNDTTVTLRLGEQPMFPPAEVEEVAIGFGRNFTGPTSLSGPPPEF
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SFVYGRLLDDNEDFAFCGLGRPWLDPVYGRVSSAIGFVQRTICEEGNSRSPFCNTDPLACE
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AAYXVREQADRQDLRLVLRGDCGCGH
GPEEAEEAQAARLPQEGPRERPGARGEQVPLALPRG
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>comp11346_c0_seq3; 370 201 1372 LEN=1415; translated
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TSSAIGFVQRTICEEGNSRSPFCNTDPLACESETEQKLVVRIVTDFFPSRTNWTLLREAGG
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SLADPIGGGVVFTDSDNSAPGESGVPLLCTDDAAYXVREQADRQDLRLVLRGDCGCGH
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>comp11346_c0_seq4; 405 201 1468 LEN=1511; translated
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YEFIDRAGGAKGGGLYSLILDGKEAGTFSEASLADPIGGGVVFTDSDNSAPGESGVPLLCT
DDAAYXVREQADRQDLRLVLRGDCGCGH
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>comp11346_c0_seq5; 496 168 1902 LEN=1945; translated
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VGAHHQSAPGVFRGGAARVCTEYVGHGPGFTSTGCEFCPPFENDFALCKLDTPVYVNDTTV
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ATSEEKKGICFGDSGGPLLHKGPVDDATGRRTDTHVGVSSFVYGRLLDDNEDFAFCGLGRP
WLDPVYGRVSSAIGFVQRTICEEGNSRSPFCNTDPLACESETEQKLVVRIVTDFFPSRTN
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EAGTFSEASLADPIGGGVVFTDSDNSAPGESGVPLLCTDDAAYXVREQADRQDLRLVLRGDC
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>comp11346_c0_seq6; 531 168 1998 LEN=2041; translated
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VGAHHQSAPGVFRGGAARVCTEYVGHGFTSTGCEFCPPFENDFALCKLDTPVYVNDTTV
TLRLGEQPMFPFAEEVVVAIGFGRNFTGPTSLSGPPPEFLQEVTVAVDEVNCDYDPSNIC
ATSEKKGICFGDSGGPLLHKGPVDDATGRRTDTHVGVSSFVYGRLLDDNEDFAFCGLGRP
WLPDVYGRVSSAIGFVQRTICEEGNSRSPFCNTDPLACESETEQKLVVRIVTDFFPSRTN
WTLREAGGTEPLLARDDDYDQPFAYEVGNSQRTNRTKAISSFQGLTASPFSLVFSYQDE
ICLARGALYEFELDRAGGAKGGGLYSLILDGKEAGTFSEASLADPIGGGVVSTDNSAPG
ESGVPLLCDDAAYXVREQADRQDLRLVRGDGCGHGPEEAEAEQAARLPQEGPRERPGAR
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>comp11348_c0_seq1; 447 1 2827 LEN=2827; minus strand; translated
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HDKSGIVLVGNSLGLSVALSAATGDCFVHDRANPGTYLASRVEGICMFNCGVGLNTKNV
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SRVDELVDSEFIDPVLNDSTSDVVEVLSQIYTNDAGRTPIELHNKYLSDGKKNVPIHLI
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KQNXTRRNWFLFENKTSGSGRLLGRICVVLQQVGNQPVLRGCRHERSLASLVFVDPV
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YCDPGLACLVVVIGATRAVLCSARCGAVYFRDQERRRLGPRERGI V SQGRRRFVPRR
SSCPVQMLVTMEYPRTKDPEDAFPNGFQAICFAFGSNRQSGEPLPHPGDAARPVVIDAV
HRRGLCALLGEGDLTTQSRAIAGSSAERRAAADSRSTAGAFLRVSAGSNPFRPEPIDLV
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PRGQQPLGTLDPAVAVLRPPDRARRQALVEGRGAVRAGVCVRAAGQQGPNAHPAPPGR
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>comp11349_c0_seq1; 748 214 3194 LEN=3363; translated
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DIWEPVATARFSEVWTDQQRGRDDGLALIGSRIRCFPPKAVLKEPYNATSRLLEGTVNM
VHDCEDHAPILIDLVDNKDNTTSLVRLPFLRLDDDGKSAVGRVLKESEQRKRLYEEQI
KGGKHKAVRVTLSLSSHTTSTVTKNPIQAKWVIRKRAPTKIIRGIPLPVVKTPVA
NNGENDKIGRNKAGNNVTSIDEEKYIEMSNSGKHGGTNCASNDRKNEGPNKTPPPMH
SLTSKRKKIAIDSTTNTSYNKDFSDPMLYLDGNDSSAAQQEGNWRWEAGRYHSPHQVIFAS
QRPISKELLKLLCYNFVGEVVISIKPTQPKNTFIGTLALVTIRLMVLPETHRTGRLSHHG
PWLDFENNDLDTGLSSQKEKNDNTTQHTNVISPEKQENVVSDMNSASDINHXLQVPI
EELVIVHRKIHREFASEKTVNKGTTIDEPSSMILRSSYSFLSDTYLCELEGEAEEMKL
DMHRCRRQCQHSSVKGRLAGVSHTLCELCFECLKSSPAAKWGTYKDEKQKKYRCDCDFCV
DRTNNNLLADLSNKISESESKLDSTLQQLKEYSADRDSGFIATRFLVLSINPVDFMFS
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SRSEPFIRSTCSRLLPYDVQNRKFSVSAADLYEWKAFRSHTPDFSEKPRNLRVFRKRNG
ILGKNDSLKMPQGRAARAQQRRLLRSAAAMGVVDVDTLAGRESNVRFDRSNIHGWFVTD
VDIRDGEMIEYRGEIIGNAMAEKREKEYEAAKIGSDYMFRLDDFMVSDATKQGNVARFI
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>comp11349_c0_seq2; 320 8 1196 LEN=1365; translated
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PVSRSSEPFIRSTCSRLLPYDVQNRKFSVSAADLYEWKAFRSHTPDFSEKPRNLRVFRKRNG
ERILGKNDSLKMPQGRAARAQQRRLLRSAAAMGVVDVDTLAGRESNVRFDRSNIHGWFVTD
VDIRDGEMIEYRGEIIGNAMAEKREKEYEAAKIGSDYMFRLDDFMVSDATKQGNVARFI
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>comp11351_c0_seq1; 1275 124 4161 LEN=4293; translated
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GKKTITGDSIPDVVPTDQIPMEVQVAIDGAPHTATTAGEDGVPLEIISSEEVQNDINIG
GDGNEVSGSIGDGYQADNDHRKNTNPRSNMNGHGRMGTNNQLSSNSTIADTVSIEDTA
GLSFRSRNVCKVIKGEIHNVLNIMRTDQCASPLRFLLEEMPTDELHPLFERFSELHHSMT
DWELRYGGSSQRHHPPEARLYLPPFCVAIQSRDISAKVTGAALQSLQKFLLYGFLANEGPN
AFSTIANITLLCTFEESSEFASANHERGVNQG D G V A R S Q G R F A S S G S A I S S K N S G R E D D E

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>comp11355_c0_seq1; 284 39 536 LEN=885; translated
MARIADYVECDQHEKAYQKQDAVVFVARKRAVGNARQKPMRFVKNVGLGIKTPDAAIEGS
FVDKKCPFTGNVSIRGRILTQVISTKMKRTIIVRRDYLHYIRKYRRFEKRHKNIAAHCT
PAFPVKEGDIVTVGQCRPLSKTVRFNVVGHSSERAKTGKKTFRVF
>comp11355_c0_seq3; 284 39 536 LEN=893; translated
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FVDKKCPFTGNVSIRGRILTQVISTKMKRTIIVRRDYLHYIRKYRRFEKRHKNIAAHCT
PAFPVKEGDIVTVGQCRPLSKTVRFNVVGHSSERAKTGKKTFRVF
>comp11356_c0_seq1; 338 579 1602 LEN=1626; translated
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DMVVFFRNNHFNALTKHQDNLYLLVTDEGYADVNSVVWEKLDVIDGDTEYVNADFTVPPP
INNHVSEVETGGQISTKNAQSQADYQLALQLSRECGQVSSATAVNSLESTSSHKDQSSVD
KTIRASLSDHKNQRSEKVVATMASASQLQSSENIFGPTSGSSADEMLQEQSDMLLALALELQ
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>comp11356_c0_seq2; 370 471 1569 LEN=1593; translated
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GWLLEPEAQEFWVGNNTYNQLQNLIIIVGNDASARLREIDDNCDNSEELSNQATRGAIIIS
AFLESSHQLTQHGLFVLHEFVREGDMVVFFRNNHFNALTKHQDNLYLLVTDEGYADVNS
VVWEKLDVIDGDTEYVNADFTVPPPINNHVSEVETGGQISTKNAQSQADYQLALQLSREC
GQVSSATAVNSLESTSSHKDQSSVDKTIRASLSDHKNQRSEKVVATMASASQLQSSENIF
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RIPIY
>comp11356_c0_seq3; 370 322 1420 LEN=1444; translated
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AFLESSHQLTQHGLFVLHEFVREGDMVVFFRNNHFNALTKHQDNLYLLVTDEGYADVNS
VVWEKLDVIDGDTEYVNADFTVPPPINNHVSEVETGGQISTKNAQSQADYQLALQLSREC
GQVSSATAVNSLESTSSHKDQSSVDKTIRASLSDHKNQRSEKVVATMASASQLQSSENIF
GPTSGSSADEMLQEQSDMLLALALELQRQEELQQQDYDNNTIEECKINEQRQRRTQIVPYH
RIPIY
>comp11356_c0_seq4; 338 728 1751 LEN=1775; translated
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DMVVFFRNNHFNALTKHQDNLYLLVTDEGYADVNSVVWEKLDVIDGDTEYVNADFTVPPP
INNHVSEVETGGQISTKNAQSQADYQLALQLSRECGQVSSATAVNSLESTSSHKDQSSVD
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>comp11357_c0_seq1; 1228 98 2755 LEN=2887; translated
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DRNEATSRTIQTCDILSKLSTEADLENSESAESSDDNETSKWAI IETIENVLAFFTGQ
ECMIDESMTFNTTQERAIGESTTYLTQESTDEIFHDHFCGLFETWCLAKNEEGNESENK
PETQEESPADSNTTAKIVDTHDQVTRTEKDQIALFDQESDQIEGKTIDQTKLDSEKDNEI
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KQDDEIGEDEDKDLGNYEKGDP IAETAFDCSI LEHIF SSTNSTTEANEIVGTPGIVASDE
TACNNVTGAI EPKLSI IELPELQSALSLANI PRFEVVGFKATSERDRDTEIEPGNKKRE
GLTPKVSNRERRQKARKGDMAKAKPSKSSKLGKPNQKINSFKMAKSRKNQGNMSTKKVK
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EKDTSKNSKSEKVSRRKSDVVCRPSTDAACDPSSIDISSSVRILTANKEKDHNGEENR
DENCGDKEESDGDVNCDFDADGDLI VADDEDSAERQKYDLFKSFLAALQSKERDPDDDEI
VECFSPVLSMGDSYDSGLVSEKDDDEYINHYYDFSGDNENCSEDEFDEQEGSYDDFFYAN
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>comp11358_c0_seq1; 819 1 2145 LEN=2330; translated
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TASHNDES YNGVKLANPDGSM LTPPQEAFLTKWVNERDPVKFRDFLEELAREVLADKNN A
GSD FVLVGRDTRSHSPRLSDLLIEGANAFVECVLSRQREDASPAAPLSARVSDLGVLTT

PMLHHIVLHSNPSFLPPYIDPKPTRCGYIETYAEAYVDLLKGLTAKTGTAAAPESLVSLR
VDGACGVGFRAANELWKEIQRLSGSGDAGVVPTPLCVHNGETDGPLNDSCGSEHVQKQLS
PPNWCAAAPSDSFSFPYCCSLDGDADRIVFFGQASGTELAQLLDGDKIAILIAHVLKEK
FQSAVAAGGDSLPPVKMGIVQTAYANGASTDYVRSTLSIPVEIAKTGVKHLHHSASVEHFD
VGIYFEANGHGTVVFGKAFAFAQQCPDPFFVRLHRLINPAVGDALSDMLLDVYLLRELG
WTLEDWSTKLYEDLPSRMLKVTVEDRTIIECSSNESECLKPEAVQPLLKAAMESVSSGRC
FVRPSGTEDVVRVYAEAAATREEDALADEAARIVFDTCAGXWNEAVTGQRNETREEGWYS
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>comp11359_c0_seq1; 546 236 1822 LEN=2223; translated
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LSLLVTIFSLFHVDIFLVRVYRPLHAYSNGNLI FAVVNTCNDLLGAYLLDAAATRINRSD
LIGISGCFALFFLTPFFRWKDPNENEFYDEAHFVVSISMYDTLYSFTAILLGSLVIDNH
HLTDKERINFMASGKILNLFAAFFVAKIGLEIFEAENMNRFRIFLVTALIVAILFLIAQ
VMVHYRIKIYKSMRIRFLHNAKRENQTPKPTARLNPKQVFRDFWRYNNFWAWIWMELLL
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PLLFAINIALCSWIWFGASHKSTGVIISFLIIPAITNAVATAGFHLAMSDMALEMKRMH
LVEGRQDEASLAGLFMGVNALFCKPAQSILPVVAANMLDNLGLTSDGNEDVQRVLFKLLI
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>comp11360_c0_seq1; 426 283 2574 LEN=3041; translated
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QGPVEPHVYHPNSHAAENPLISPCECAGSMAFVHYLCIEQWRCSRHRPKARRGLNCETC
GKPYALPPPSVRPVDNDWLEAMPHPVIEALRQPHIWWQIGAAIVRKRWRP IAPVVMSP
IVALYCRARLLKKKEWHVDGGHVVSADAERDGNVFDASEVTIVPDSAKMCPGTLYINTC
ATNPADGTXSIVYGIATLLAFPGILRDPLVYDLGFSFIPLSFYVMAILGGGIATALKKS
FGLDLRGRTYEIVIVLLTLGLALVSLGLLRAFFGDSSGCYGLVLSRSLNEDDQFTRFLRK
LQRSILEPAKNWFLIWDRAAMSSGTWPKKILCMPNQEYGC FEHLYKANAEFLFDEVNGGK
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>comp11361_c0_seq1; 551 316 1197 LEN=1833; translated
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ANGDPSMVLSGDEMVALYQKLI AEYPIVTI EDPFDQDDWTNWNKITAATDIQIVGDDLTV
TNPAKIQEAIDQKSCNCLLLKVNQIGSISESIDAVKLSKQAGWGVMTSHRSGETEDNYIA
DLAVGLGTGQIKTGAPCRGERTAKYNQLLR IEAELGGAAVFPGAGFRTPAWMA
>comp11361_c0_seq2; 706 40 1416 LEN=2052; translated
MLTQFSRTVARKASTGAASKRMMSAITGVDAREI IDSRGNPTVEVDITTATGTYTASVPS
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HNKANVGANAVLGISLAASKAGAGVQGIPLWKHYANVAENIPETMPVPCFNVIINGGEHA
GNRLAFQEFFVIPTGAETFSSESMEIGCETFHALKKVIQTKFGGDATLIGDEGGFAPPDVE
ESGLAMIMEAAENAGYADKISVGLDVASSEFKVDGKDAYDLDFKSANGDPSMVLSGDEMVA
LYQKLI AEYPIVTI EDPFDQDDWTNWNKITAATDIQIVGDDLTVTNPAKIQEAIDQKSC
NCLLLKVNQIGSISESIDAVKLSKQAGWGVMTSHRSGETEDNYIADLAVGLGTGQIKTGA
PCRGERTAKYNQLLR IEAELGGAAVFPGAGFRTPAWMA
>comp11362_c0_seq1; 158 1 620 LEN=826; translated
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KLSDEATKEKKRDALKRGLSKLFQKVRPCYDLAAETEGFSGADIAGLVR SAGSLALSRA
RKDGSVNDIMITLEDKHALEEYVKK
>comp11362_c0_seq3; 607 271 2253 LEN=2459; translated
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SPELRVIANETMSDEDFDLIEQSRIQFLSRMGAKLILLPSGSSLSRPMREPPASLIYGLK
LYGGVTRYRMLSSNSRPPRRRTGERSATKVSASENIPAWIQYGGADRMYESVDIGSAAV
LEITLLPRGQALPTDMTSSSSEM VVQNYVWKPQDVFGIIPVETGESSEADVLSGYSPVSQ
AGKDRNDAFKADFKEDVGGKLPQIDAI VRRVLDGRVIRPAAEDGGVIEKDETTTALQTAS
LEAQELAILGLTPVRGLLLYGPPTGKTLARQIAKALRARS PKIVSAPELLDRWVGSE

KLVRELFVEAEAEALAACNGDATKSALHVVIDEIDAVFRRRSAGEDSGEQTRASVVNQIL
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QKGLSIPLCCAIDGIPCSSKHELIMSEKFPTYLKLNSDEATKEKKRDALKRGLSKLFQK
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>comp11363_c0_seq1; 553 1 2056 LEN=2077; translated
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FTCQILSQLPLPLSTAPTNPVEVAISLVYQYCEGIRPPPGMKVVMRNETFCNLLVGLHTS
DITEHPHREILILYYETSRYYPPLKERSDLLQKVLGAI TGRGLQHEDAKVRSRCCYLL
LRLIKSMGTSGNKKSGNCLLRPYVETAVSGIQSLENKSI ELRVDDTLNLFETIGLLLG
KNGLSPSEQQYLTQVMTPHVRSIETILNDKKHELAQDPDAYGETLSNSVAAIAYLSKGF
KKPPIEVQNVLLET LKVAFSVLEMLPNNEEVRNKTYIFVQRLIQCLEDKVLDVMPRLFI
LIKHCNSGDILDVSQLINQLCIKFRAMCVLDSNLLPFLQKCHHLSNTVVSENSSAQER
HQGEDATVAPHLRTEELSIQKLSFAVLNHVVANDVTGVLLSSANASSLEAILQSMSEGAI
NVEDSLMKKTCLIFFRLLLNQWVPDVRGTNISGGAPEFVVQGYVTFVCDSLIPGMFQVLL
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>comp11364_c0_seq1; 616 75 2285 LEN=2566; translated
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GKMSQYFDYTLQYFEYDVPFICDQGMVIGSNSIDFFNRTMKDHGV ELLVYESQDEINEKF
NEYRFT EYRKN DARKQGKCVDTDNESDDR GSTNAGILMVVEAENLTYKFQSIDFTKELL
MKTLT TIGFSTLPSDAHSSNIVVMNEGYVSARIFPEQSYVAFDIQLWGNFHLMEKARD
GLVEAFGGAEDSTSSFRIVTGGMQGTPSQESDRQTIGPRMVNSRNCEEDPPPDSATTATQ
SIDLVDGALEASLGLVEEGPVTVAVLCAEGDPCKSIEVLSKASDKVRKVVVYTCSTLE
QSSAWFAPDVSQKMACCEAKIVKTLSSDSPDKRISMLVIDDSADHIMGKVLVGI FTSTWN
RKRL LASSRFVAFVNNSETSHAWRRNVLVKIRKQVNYKPM SLVDLVLEDTQTSSMVSILS
LHDPDFFFHQKEMVERFNTKHGDTAGATMEVESVFDGLPAPQPGHFRPKKFKADDYDPEP
AKEQHKEQLSLGRQSI VQFEISGNHVVTAEILQNALQRAFSSENAFEFSAFENNSIGD
GLVVVALSQELATNVVVTWDGNLHLNVNLFARDVQPRLRQQFIEEFTSTLRMAKVTLSDT
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>comp11364_c0_seq2; 1655 132 4052 LEN=4333; translated
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MEEHARGGASFFATFLRYLSLLGDGADDPDFFPFPPPPALWSEEGRALLEDINDHGTLPP
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DGSRLKSDGHINTELVVQEGEYVLLATRTIRPGEEIYRSFGDASIGFDDDEDQEDDDGF
DDEALMEFETGAI FRDYGVVNTETYPKFFHFRIITSDDVDESLGIILDKPESFGDLGNG
NGNGKGLSAAVIDDGEEYDWEIEMYMARAKNRLERIGFGSQPGNGPPANSGLSAYEWE
TARAYHANLLEAVSMAADKLAAMDGENAVS CPCGLPASGAACPVDGFS DLPTLP IAFLD
LEFDENNPYGPSEDSYAMCNDYVSEWRDYTPCGDEEV LRSQYQEI RFFSHPETKDTVMK
LDYTVQQVSSYRPHYHEFAVHYPARFIDTVKRVLVFGGGDSMVLHEVLKYP SLELVVGLE
LDQYVVRNSFRYFNTQPHFDDKRVEWWFGDGAKSLLMLPKEYFQSF DLVVVDLSETVMSF
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GSTNAGILMVVEAENLTYKFQSIDFTKELLMKTLT TIGFSTLPSDAHSSNIVVMNEGY
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DKRISMLVIDDSADHIMGKVLVGI FTSTWNRKRL LASSRFVAFVNNSETSHAWRRNVLVK
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VESVFDGLPAPQPGHFRPKKFKADDYDPEPAKEQHKEQLSLGRQSI VQFEISGNHVVTA
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>comp11364_c0_seq3; 1646 132 4231 LEN=4512; translated
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GSTNAGILMVVEAENLTYKFQSIDFTKELLMKTLTTIGFSTLPSDAHSSNIVVMNEGY
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SDRQITIGPRMVNSRNCEDPPPDSATTATQSIDLVDGALEASLGLVEEGPVTVAVLGAE
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DKRISMLVIDDSADHIMGKVLVGI FTSTWNRKRL LASSRFVAFVNNSETSHAWRRNVLVK
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VESVFDGLPAPQPGHFRPKKFKADDYDPEPAKEQHKEQLSLGRQSIVQFEISGNHVVTA
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>comp11365_c0_seq1; 607 753 2807 LEN=2891; translated
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AEQVCQGLKSL LQNETPVKLIHDLRNDIAIALEAFGGIKLSGALDTQLLAELFCGSPFEG
NAFLSRLDLPKHPSKDFVHGRMNSGINLWDKRPIAQTSL EYAAMDVAFLQNAAEIQEIL
APNNLDKLIHASSIRAKNSIKHKGYRAICFDKENTFAIASTELMMATRPKDGFFGKELKI
ESDVDEIFDVLPSVYNKIFVDSEKKNYSLMGIFTRSSPTSKRAKEDLPIELLNDIVLDI
GRRALCWIDGSRVHLCDDEDKVVTQGEIEEITARLGTFWSDNRAGLDAGITRKMGS LHRF
SAMRDRDGQIIGMTIRIGRNVLGNAAMLMDVLNHTNMSVLI LGEPGSGKTTIVREATRIL
AQDKNVI VVDT SNEIAGDGKTPHRCIGLARRMMVPSLDKQSAVMIECVQNHTPHVMVIDE
IGRPKEVQAASTVKQRGVRLIASAHGNLRGLLKNKDLNGLVGGQERITIGDDMAKEEAKR
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>comp11365_c0_seq2; 607 1293 3347 LEN=3431; translated
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AEQVCQGLKSL LQNETPVKLIHDLRNDIAIALEAFGGIKLSGALDTQLLAELFCGSPFEG
NAFLSRLDLPKHPSKDFVHGRMNSGINLWDKRPIAQTSL EYAAMDVAFLQNAAEIQEIL
APNNLDKLIHASSIRAKNSIKHKGYRAICFDKENTFAIASTELMMATRPKDGFFGKELKI
ESDVDEIFDVLPSVYNKIFVDSEKKNYSLMGIFTRSSPTSKRAKEDLPIELLNDIVLDI
GRRALCWIDGSRVHLCDDEDKVVTQGEIEEITARLGTFWSDNRAGLDAGITRKMGS LHRF
SAMRDRDGQIIGMTIRIGRNVLGNAAMLMDVLNHTNMSVLI LGEPGSGKTTIVREATRIL
AQDKNVI VVDT SNEIAGDGKTPHRCIGLARRMMVPSLDKQSAVMIECVQNHTPHVMVIDE
IGRPKEVQAASTVKQRGVRLIASAHGNLRGLLKNKDLNGLVGGQERITIGDDMAKEEAKR
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>comp11366_c0_seq1; 291 241 741 LEN=1007; translated
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LPSYSCEF DLVTAAPLDGLDELSTLFNHGGFDGTFPFLQEQAEMALGTYEENGLLEFDI
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>comp11367_c0_seq1; 364 1 907 LEN=1048; translated
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SSYGVGQAPLGS PKFRSFAEEILALADGGAEGAGSL LKGLTYAICGLGDSGYTTYLVNPT
TINKALAAAGATRIGEMGKADAKQIGEDSQANVIARWKKELLVPLARSLAAAADDA SEES
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AP

>comp11368_c0_seq1; 1153 243 1946 LEN=2092; translated
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DPEAANKFQQLGHAYNILSNEQSRANYDKNGKAETTAEQASDV DATVFFNVFMFGSMLV
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MREENELAMAKRQVTCAKFLRERVASYNSIRALDQSGSEGTTTEQQRAAEKKGVKKDFVE
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MGLLGAGLRAVGAGVRTMQTAETIQKDLEKAAGEASGAETEGASDNVAATGEDGGKTKLT
ELSEEDQMKLAMEMQDAMDDSLPTFLEFAQAINKRDIQTTIKGVCKKLFDDASVPKESRV
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>comp11369_c0_seq1; 97 1 480 LEN=1999; minus strand; translated
QGEQDSRLTELVDFAFEVINFSQNSLVCEQGDDEIADYMYIIYRGECEGVYIDGKQLEENYGV
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>comp11370_c0_seq1; 200 90 551 LEN=1213; translated
MSPTPKRFVTVNGVNLNPEYIAWKKNGGTRPQPNEAPISKMVLHIEVLQGSIDLVAKD
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>comp11371_c0_seq1; 318 49 618 LEN=1036; translated
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GWSAPDPKY
>comp11371_c0_seq2; 318 49 618 LEN=911; translated
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NCLTTKWTPPAGTDSAAAATLKKVIESYPQDQNKVDLGGWTIVDDSFAPGKVASVEYK
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GWSAPDPKY
>comp11372_c0_seq2; 483 79 1569 LEN=1588; translated
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EPASEVPVDTQANAVLSLFVYPKRKTRAKVSMLRFCGAERNNGSKPSKAEIALEQEGDPQH
DSPGRRYAHHRQFIIAPTEDLTDLSIMVNAIIRLSRVSTNRTEGVSCDKEERLLVIINPS
SGKKLGVHEYDTILLPMLAQAGISHDCLVTTSHKHAERMKKQNPTSDFKDISEYSGIVL
IGGDGTIHEVLQGIHHRSDRDKILKKIKLGAIGAGTSNGLSASLAHASKENYLPDLSAFM
IAKGASSWIDLSRYETKSNSYASFLTFSWAMIADIDIESELIRWAGFLRMDIWGVVRVLF
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>comp11372_c0_seq3; 483 79 1714 LEN=1733; translated
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DSPGRRYAHHRQFIIAPTEDLTDLSIMVNAIIRLSRVSTNRTEGVSCDKEERLLVIINPS
SGKKLGVHEYDTILLPMLAQAGISHDCLVTTSHKHAERMKKQNPTSDFKDISEYSGIVL
IGGDGTIHEVLQGIHHRSDRDKILKKIKLGAIGAGTSNGLSASLAHASKVGVVICVSTRQ
QILNEYMCALYEGGMKKVNGCLTLFADFFIWTHSGMLENYLPDLSAFMIAKGASSWIDLS
RYETKSNSYASFLTFSWAMIADIDIESELIRWAGFLRMDIWGVVRVLFRLKYRAKFSYLP
PSEGKKTITMPPLGDPLSNSEGWITFEDEFILFWASQVTHAGEHMFHAPPCKVNDGVFHI
MIVR
>comp11372_c0_seq4; 526 79 1942 LEN=2137; translated
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EPASEVPVDTQANAVLSLFVYPKRKTRAKVSMLRFCGAERNNGSKPSKAEIALEQEGDPQH
DSPGRRYAHHRQFIIAPTEDLTDLSIMVNAIIRLSRVSTNRTEGVSCDKEERLLVIINPS
SGKKLGVHEYDTILLPMLAQAGISHDCLVTTSHKHAERMKKQNPTSDFKDISEYSGIVL
IGGDGTIHEVLQGIHHRSDRDKILKKIKLGAIGAGTSNGLSASLAHASKVGVVICVSTRQ
QILNEYMCALYEGGMKKVNGCLTLFADFFIWTHSGMLENYLPDLSAFMIAKGASSWIDLS
RYETKSNSYASFLTFSWAMIADIDIESELIRWAGFLRMDIWGVVRVLFRLKYRAKFSYLP
PSEGKKTITMPPLGDPLSNSEGWITFEDEFILFWASQVTHAGEHMFHAPPCKVNDGVFHI
MIVRGNVSRRLALILLSMHEGAHFGMSGVEFIECSAFRLEPLTEGSFNLDGGEVIESGD
IQAAVLPSSIQAYCMPQYTC
>comp11372_c0_seq5; 526 79 1797 LEN=1992; translated
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TSESVVDFLDPYDIIGVNIIEIKPISLSPFRKVSNRVSEENDSRIHDEKEIVATNRALAADN

EPASEVPVDTQANAVLSLFVYPKRKTRAKVSMRLRFCGAERNNGSKPSKAEIALEQEGDPQH
DSPGRRYAHHRQFIIAPTEDLTDLSIMVNAIRRLSRVSTNRTEGVSCDKEERLLVIINPS
SGKKLGVHEYDTILLPMLQAGISHDCLVTTTHSKHAEERMKKQNPTSDFKDISEYSGIVL
IGGDGTIHEVLQGIHHRSDRDKILKKIKLGAIGAGTSNGLSASLAHASKENYLPDLSAFM
IAKGASSWIDLRYETKSNSYASFLTF SWAMIADIDIESELIRWAGFLRMDI WGVVVRVLF
LRKYRAKFSYLPPSEGKKTITMPPLGDPLSNSEGWITFEDEFILFWASQVTHAGEHMFHA
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>comp11373_c0_seq1; 998 1 5091 LEN=5091; translated
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HWYRLPTSRTAEHNQDESGRREDELIMIIDGIGYPKSDPADKSDGTNR SADGANNSEPTG
GKSEG NKASGIELPEEKRNVCLEDETTKGMIDNVFREAPSLPVEATPNDEIEIVMMILA
LEHTRACGVFYAVWDTPEPFVAKNECFRVMVKLHRS DTV E VPK EGT VQNSHV E EKAGSTD
KHASGSFKFQPMICDLKKCSSRLAILKKEGKERGTSYHERQKEATAKNEDFGSSPMRL
VEMPSFAKASTYFN SADVMDCRH SKRGLDTESTCTNIYSGATGQTRDVSLK LKAKIDPS
DESQVGVNIVYSNEGSQWRTQP VHSSQAMKTPQHAAEGEVKECERKKGKCGNEKETCIEL
NESNSEGHISWNLMKCFPIMDKLSHSPGEAENEILNKLTMKQNALIAMEGSLEPQARRLL
TKTIEERIKYESSSEVERRRNTKNTLMKFQDYLFRKRRIDQVRQELREEDMDAVCSICQD
GDVSPDNQILFCESCNI AVHQCYGVERIPEGDYCYIACRHFERDKMIQSLSETSRLQAR
ADLSPLPIVCELCPSTYGAFTRLQNPKADSDPSDVKWVHMMCAKWQGLDFVNKG DASLVE
DTTQLKQSYRRKNVSCCICKGSRGAYVKCRECDNWCHITCARESGLCEVVHGEDVKGPII
EDNPWSILCPEHSSVEKKQKNSKRIEELIKASKDLPEPEPPPLEELGPYNKLTGEQRK
VALSVREYEDKYIADILKTKLSGVRCEVCDTIEDIHGRNLSRCEVCGSVIHTCELFPEN
PGQRSFKCFGCRFRSERKGESE PQCSMCNQKGGILVNATSAPMDFKKAYWNKNEREFERS
LYKKAMWAHISCTYWLKDV MIDHNAKTVDLSNVIAANGKHF IQHINRCGLCGMRNGYKTK
CSAGRCHAHGEMNKPYHFVTCARQVGFVESHNEDE FIVNCYIHGTNENNLRARLEDLI
EMEKKRAGKDFSRSNAPMKFSDGSKLLHGGIMVMRILGWAWRWA EWVWVQYGSTWEPLLEP
GQDELMMTPEDLRIVESTAESRMNDARRCRLSAFGAALRNRCYDTKDGFNNEALGRALRA
ILHTQTLVGPLDEYEIAFFSDLLARAYRSKSRLLGFGE DKIPVANEAFCLHKQDNTPKFE
LCDRPLPGKQVPLDQIYEIGVSEPDFFLLSKNTENDGQVDHEMCKEIDYKYKMLKVDS
DSDDL SLSAVIETSLFDKENSYILTQRRGRIPKIMNLQIVVKVAGERVEANHSRQRHSA
IGIYKASEEKMNFDTGEGFGLHPAKKIEFLEDIQIRSLAHFMATPTTEMAGPYNTWRREKG
LNPCVASANTINKWKS DVRKYCKLFETNGNAPEDHGISPFSPVGQKPEPIQFEPESRSNS
IKRPRNKSTSSSESGTEIFRTSKRSRSQVETTELDIGSKSQDDGGLGIDIELDVEDRGSNK
RSMLPKRGQKTAGSFDLKKVGGSSDTLKRKRKSKDQMKTADHTKDKIPQPNHSVRPRRSN
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KRGQKAAGSFDVKKVGGX

>comp11373_c0_seq2; 247 1 857 LEN=1098; translated
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DYRRKIRQKPLKGSAAAKVSSWKRIVKNAAIKAGEIELANTTSTTQVKKKSSNKKLSVE
SSIDDGVANECYLCGDGGDLIVCDGCDKTYHLECVNLDDVPQGLWYCTDCNENNEDNDTC
VVCNDGGKLIICDACENPYHLECVGLRNIPKEDWFCPKCSKLR

>comp11374_c0_seq1; 492 229 1443 LEN=1517; translated
MAKKKVLMLMGKAHSGKTSMRSIIFANYLARDTTRLSP TLDVEHHHVRFLGDLVNLWDCCG
QDAFYESYFERDRETI FRGVELLIYVFDIESETPEKDFDFHFCGVLEAIEENSPDARIFL
LIHKMDLVAEEDREALIEDRKQLIEESCLSCGVENFQCFGTSIWDETLYKAWSEIVTNLI
PNIRLLEAHLNKF CGICDADEVVLFERATFLVISQAQAGSGPDDG LLEDGPGATPSSSLM
DHPGDTNGSHDNTGMSPSHRPNGEDAGGETGVPNSVDAMTAAGSSGGLPNPGLGYPPSEIP
ADLDSAAITPNPMQRHLSTRPHF DAHRFEKISNI IKQFKLSCGKAQSQFQGMQVQNSRFT
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>comp11375_c0_seq1; 257 145 1050 LEN=1079; translated
MMRLQNRVFEPSVALLFC SLFCLSLPRLVHGASGAGWNLPPKSTAVVTGGTKGIGKAVVE
ELA EKGCRLLICSRKQEDLDRVTKQWNEEDGFDVTGVCADVSTSEGLESLFSDIVNWLGD
DQRLDILLVNNVGMNIRKPSVEYTKEDTQTVWR TNFDSMFDLTMMCHPLLKRNPGERSSSV
INIGSVAGVTCMKSGTPYASTKAAMNQLTGNLACEWGLDGIRVNCVAPWYINTELAKQVL
KDEAYLKS VVERTPMGRVGEPEEVAGLVAFLCLPISQYITGQVISVDGGFTRNGYYSFY
R

>comp11375_c0_seq2; 140 1 1175 LEN=1204; translated

XKSKGHPSALHSERNRRALRNIDRTLPSIVSERIRSRPSTYSFELKRDDDAFAESSFRTL
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PEHAAVGXGLRNNHFANRRRLTFVPGRRRGVGRKGVQIVDLQOKTGGSGSGHKAMEEED
GFDVTVGCADVSTSEGLESLFSDIVNWLGGDQRLDILVNNVGMNIRKPSVEYTKEDTQTV
WRTNFDSMFDLTMCHPLLRNPGERSSSVINIGSVAGVTCMKSGTPYASTKAAMNQLTG
NLACEWGLDGIRVNCVAPWYINTELAKQVLKDEAYLKSVERTPMGRVGEPEEVAGLVAFL
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>comp11376_c0_seq1; 339 1 1106 LEN=1261; translated
XYIICISHHQYSTSPAKNDHPFITGILFFISRETATFKMTRSADNVVGMMDNAYFVGRQE
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AAFTKNNVQRFVDVVKLIRAKYQDNLEFCQWLKAFYDQSGAYREGYDAKAIRAKGKGGKK
YNDAMNKAAGGPPSRSTKSSYPSKPRVSTRTRQRPVTKPKEPLRASENKARPIRQDSTSK
RAPVKANPDPKLVIRNTELEKQVIELESASVSDIERERDFYFGKLRITIELFLQIKQDQNW
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>comp11376_c0_seq2; 270 771 1325 LEN=1480; translated
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EDVVDNLFKVLVYATADDDVIVDEHGHVVPVAVSQETSHNEDITAQLDEALEDNILADEIV
GASE

>comp11376_c0_seq3; 270 297 851 LEN=1006; translated
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KANPDPKLVIRNTELEKQVIELESASVSDIERERDFYFGKLRITIELFLQIKQDQNWEGCER
EDVVDNLFKVLVYATADDDVIVDEHGHVVPVAVSQETSHNEDITAQLDEALEDNILADEIV
GASE

>comp11377_c0_seq1; 350 200 1204 LEN=1799; translated
MTPQRFQLPMVGTSPRIVPQTFSLDTEMKPASPVCPLQDPMQEGVELLLGIATIVSKEI
ASSGKELFGDKHDVFPFSKHSVAPDQGLDTRPLTEFPSSPTKDDDFACSRVRTVSDINGCR
SPRRSPDVEESRNSTRKSSLLPPVVSFVNTLRTRSRKPSLKLGMHGKGGKRQIKVPKLST
THQAQTNQSPPNIMDQHKRKAFFESSVTGKSITVIHRKKFSWKNYPELEAFLVANREEYL
RHSALNYTIQKKYNNRLTEQLLDLAARHQYVFNEEEFSFVTVRDRIRCFYKSYVQSSKK
RGIVLGYAARKAGILTQADLQRSARKEGTIVNPL

>comp11378_c0_seq1; 916 419 1873 LEN=1873; translated
MEASSRSILVEDVNDGDEDTFGVETDTEADDFDFDEPEEITDDFLDELSPYASTTNDFDGA
SATSAAFENYNMSGAGTALVDNNASTDFDFLSDPVPVGGTENGNGPAAGLEAPSAAGGGDN
ALDAFGDGIQDAATPDAAPVGRGLFGTLGRMGRMVVNGAGGGRSANDQSPDLLDMDSGA
DDPNTGTGQQFQVDLAGGMAVQSDSTDNNGSNDVDPFDGTAAGETGEPQTPSGGGLFGTLG
RMGRMVVNSAGKTNGNDDPTPHDLDDGGFFPDRDFDEAEQQQGGPEGSAGADSDAPT
QQAAGGLFGTLGRMGRVGGRIFRSRSPQVDPDPSGDNDLADGNSLPHPGSLENMNSNVA
NPMGDSGDLNLGGQGNLPHPEALMRQSNAAAPPAADTGNVSGNDDAILDVNGNSLPH
DAMPNDSLAIKEDENLDILHGVGNSLPHPEALMRQSNSSARDFGNNDGENDDAILDVDG
NSLPH

>comp11379_c0_seq1; 240 149 571 LEN=571; translated
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ANKSTPLESKKVDLDSSPDLGIVRNEPSVASNEALVHNTMSRPDDSSLEGHYLLLEDPEKL
DLDLSSPDLGIVRNEPSVAS

>comp11379_c0_seq2; 315 610 1415 LEN=1415; translated
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VIDKAVAVADGIPADDSNHKHRLEDPPAQGNHEPCDEAGAGRPSIIPPEEQRVLKPRTDC
EAACPNGRPVINVSGWDFAEILHSCAYSSSDCPYDLPINCWDTSRVTNMDRAFKPNELGS
FNEPLNCWNVSSVTSMYLMFNFQRSFNQP

>comp11379_c0_seq3; 393 610 1510 LEN=1510; translated
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TAKNDDILNKEPKSNPDATIGANHKPRFVLRNESDELAGEPSESIDAEKGDTSMPDLG
VIDKAVAVADGIPADDSNHKHRLEDPPAQGNHEPCDEAGAGRPSIIPPEEQRVLKPRTDC
EAACPNGRPVINVSGWDFAEILHSCAYSSSDCPYDLPINCWDTSRVTSMSAFSTRSSP
DYLKHFNKPLNCWDVSSVTNMYMMFNFQVFFNQPIGDWDVSRVEDMSGMFSHAASFNQPI
X

>comp11379_c0_seq4; 339 177 1137 LEN=1137; translated

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LQDLTMPSENEQVSHGVADAGDLWVSQEEQRPLQSITDCTANCSTGRSHLLEDPVVSRDSA
DLRAGQEVQRVLEPSTSTDCAVACTNGRPI INVSGWEFRSLLRSCAFSSSDCPYDLP INC
WDTSRVTSMSAFSTSRSSPDY LKHFNKPLNCWVDVSSVTNMYMMFNFQVFFNQPIGDWDV
SRVEDMSGMFSHAASFNQPIX

>comp11379_c0_seq5; 261 177 1042 LEN=1042; translated
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ANNSKSKVLSNKAISIDAENEDLDVIPDIGIISKKPSVASNDKDFDMFPIDDHNKQGYHL
LQDLTMPSENEQVSHGVADAGDLWVSQEEQRPLQSITDCTANCSTGRSHLLEDPVVSRDSA
DLRAGQEVQRVLEPSTSTDCAVACTNGRPI INVSGWEFRSLLRSCAFSSSDCPYDLP INC
WDTSRVTNMDRAFKPNELGSFNEPLNCWNVSSVTSMYLMFNFQRSFNQP

>comp11380_c0_seq1; 1238 98 3328 LEN=3366; translated
MGKSAARDTMVLLLSVLLLVMSSTSSASFLDKDKVRSIRANSAPTRNLSFVHSSRRHRCG
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NKYKKQLVHKDENKNKRSDSNTKNKRKVTDEEEEEVVDEENGVD CDHSLGSRENKSDTSS
IKLIEQNRPSKFLVDPFRMNELARYEASIEQEVETNDENDDAEETTPIAARKEMSHES
KNEEDDEERDRRNKKGKKKWDRTKAATVTEPPTNEGSKSGEEGEPLIASDDGEVSNGLLE
DPRIEGDEQTTKSDSVTTDDSNSFWVDVWVTQHLSDPEDFEGEHVGDADVEEGIDIDVAL
EIVDKERSGSSSENGKFGIEDGSEVKEKRSKGRKKNKGRSTSENIKLSKAPDGNITVS
SDIVCPSVIEAESSTKENAATSTADENAKMAVSELDVAPSYLSSGAWITIDNLLTIGLA
SKYPALRFSRKIRTVRKL SARITGLHGVMGKPIRSLSDLMNGTDTDIDTNTNIDHGS
YSIKKQIAAIDKARERVELAEAEKVRRRKR SFFGFRVKS DVEIEAAVHKIQKSEDDPTS
DKEKIEKTKVPQKSPEEMEEYQRMERVREIDTLISEGQRQLAELICEKVDLQRRPNPLF
NYTTKETITRTEVSTNDEAVIDGIHQSGSQTDPNATKKVKIQATRKIIFPPDDLVAEYLD
MMLSTRRLTKMNHTQLWREGENAEDDDEESIGDDLFTPSADVHRLYQRSPRSDGNGSKK
GSRNGKGGGGSWLLRQSIGNGPTLGEKIGQAAETAAYKAVTNALMSFLARLISSLHGIN
VMKHSDIRLVLEQSPDLPPVPKDG IIRGDHSNYAEEETIKTVMRQKSRRSKRRSSKRRLSE
TLFVQQEAVTETLLSHVQISAPLLKLFPLAWQRALLGNI IALSCAIISDFVEGLHFQILG
HELFSFRPITEVDMARHFQ MAGGRFNQRRYKAAEFEEAAVQATAEDLKEELKFLDSWHER
ALGSGVLRQTADIARIVLTLTDDVLSGARMDLWSVQAGGPRMLAGLEHRIEERS

>comp11381_c0_seq1; 272 1 1018 LEN=1116; translated
XTGSLLLHRTTPPPSSSLQPAL LAVPHAKTTAVPFRSVPFRFVSRMPQQSYDIDAILAE
EELIPCTTLFEFSLHLAGLDPDGAHHRKQHPQQHEAPEDDAGGSSAYLPENSRIKVP LWAV
ETWATLGFVRLQLPRHYGRRARERYDADPGDANLRRRNERFFLSGRRLVHLIEQSSTQVA
RAIASLPRSRNSSNTMIRHTQALRQVSEEARSLRRTLLQTYAGERLRKVF DWSQSGSSTT
GGSDVDDVDSGYLGQLTEMEQRLYYSGAKAVADLEEWKVYGNRRLWRGPPAAP TNEPHNP
SNPATDSPAGGAQSHKRSVVTPEETRQLEPKEQRRRLG

>comp11381_c0_seq2; 229 1 1075 LEN=1173; translated
XGTKEPRTIPPPPIDSLPQNPPQSGRSTTGSLLLHRTTPPPSSSLQPAL LAVPHANTTAV
SFRGXPPQSYDIDAILAE EELIPCTTLFEFSLHLAGLDPDGAHHRKQHPQQHEAPEDDAG
GSSAYLPENSRIKVP LWAVETWATLGFVRLQLPRHYGRRARERYDADPGDANLRRRNERF
FLSGRRLVHLIEQSSTQVARAIASLPRSRNSSNTMIRHTQALRQVSEEARSLRRTLLQTY
AGERLRKVF DWSQSGSSTTGGSDVDDVDSGYLGQLTEMEQRLYYSGAKAVADLEEWKVY
GNRRLWRGPPAAP TNEPHNPNPATDSPAGGAQSHKRSVVTPEETRQLEPKEQRRRLG

>comp11382_c0_seq1; 680 454 3084 LEN=4047; translated
MPPLVTWTVKSLGHSRLRLSRLERSREEIESLSIPTKRLPLEEKEQHTVPSSNLHSSCAK
TRAVATNHDSQRRKESDDETSIPVQPVLRRDDTSPRRNSETEQSEMIPTYSSSHVRSGL
NSRMTPIVNGSSDGDQPSRHPMKNNANSGLTKSASKSNSFIRISPSPTQTNNAE AAS
LSTKKTSTEPVKKHITQNN TAGKRNICSTTGNNKEDTNLSSVVVLRDFIGGNVIANSS
TTESALVPPTLTPSSSSSSVETKTENETRLALKKDGPPASKTMEAVDKQGRPLPSIRQQ
QLPLQQESAPSKSLNNTDIAPSP TQKNSIVSSLTSEKGPLHLKLQSDNQSLSSSTIKDAIV
VHPTPPVTQAQKVETIRPLKPEVSATKQASSGELPSALPSKLESKPVSSSTKKEAIGPSD
KQSI PSRLIPLAGKPSPTMCPALPAKSIHSAGANKADRSSMSSPSSVAPQPTTNNNFQSK
KNLKTGHPSTPGSKKRKRS GSDSTASTSSKPKGQSSGRWTADEHQAFLEGLAECCREWKK
VAQRIPTRSSAQIRSHAQKYFAKLQRDQETS AATTAVNAVSGSLIQGD LAAAAANCSTT
SFLMTGVPLASGGS LVVVGEGR LSGTIVTGPAALPPSVQRNVERIVANPRAAQREVEDT
MEALRRRYRQLQQRLEERRKQRDEKRRRQQQSTQQQPSVLSSNATESTDDSSSTIASS
HQLPQARQTTTTTPEQQSRSPKQPCNPCRKRALNLP MNRNQPN SKRSNGR SSSPPTG DEN
SSVSSNVSSIAASRTDLGNEEIVALEVLGEALPRGDSVNDLQVLDSRDPFVALRDDTVPS

APEVPIVLGIHQSLVPNSDDNNTKHHQVDPGLKTTK
>comp11383_c0_seq1; 523 91 1668 LEN=1712; translated
MTGTPNTSTSPGTVDESSTTERKGVWLFRCMILLFLDVLLSVLFMSPIIPWVRYQEES
GSSISPNKHSYAFSESLDLLLALSGCRAVAALSAFAVSYLRGNVREKYSFDVLHPNGKKK
TRDELEEEALQQSFGSWLSCYVNRAAFPSELFLCLATTLVAVGKCLVRLNIEIGVLRDAEP
IHPIFWLAFFLSAAVSVTEMVYVDAVCVCLGKKGSTAEKPLLLRHISHLSLPLLANDSL
EGQEESENGRNEEDQPESAAIDENAVGDSGIGGDADYKASWSDLLKLCAPDAFLISIAFV
FLLFAAMMQIYIPKYTGACLDALDAQAYSSNDDGSNDDNESIKDIPGFMSNVKLLIVSVL
GGFFSGVRGSIFTMVGGRVNVRLRLRLMDALLTTEQGFFDVTKTGDITSRLSSD'TTLVGD
QVTLNVNVFLRSLVQVIGVLTFFMFMISWQLSMLAFISVPVITILSRWYGTFFVRSIAKVMQ
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>comp11383_c0_seq2; 723 91 2823 LEN=2876; translated
MTGTPNTSTSPGTVDESSTTERKGVWLFRCMILLFLDVLLSVLFMSPIIPWVRYQEES
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TRDELEEEALQQSFGSWLSCYVNRAAFPSELFLCLATTLVAVGKCLVRLNIEIGVLRDAEP
IHPIFWLAFFLSAAVSVTEMVYVDAVCVCLGKKGSTAEKPLLLRHISHLSLPLLANDSL
EGQEESENGRNEEDQPESAAIDENAVGDSGIGGDADYKASWSDLLKLCAPDAFLISIAFV
FLLFAAMMQIYIPKYTGACLDALDAQAYSSNDDGSNDDNESIKDIPGFMSNVKLLIVSVL
GGFFSGVRGSIFTMVGGRVNVRLRLRLMDALLTTEQGFFDVTKTGDITSRLSSD'TTLVGD
QVTLNVNVFLRSLVQVIGVLTFFMFMISWQLSMLAFISVPVITILSRWYGTFFVRSIAKVMQ
TKLADGNSVSEAALSSMPTVRAFDAGPTEYKEFTTHMDKYLEMTFKSAVAYCGYATVSTS
LPQLVTALVVFYGGLLVRNGSLSSGELVSFLLYLQSLSDAFSSIGYIFSSLTQAVGAADK
VFELMHRDRRVIPTMDSNNNGVTNQSSLVQKVRVTGVEPNECKGEVTLQDVMHYPAR
PNRRVLRGMSLTVPVPGSIVALVGPSSGGKSSIIISLVQNLYSQSSGKVMLDNIDVHEYSR
WLSHHISIVQQEPTLFARSIRRNI MYGLEGT DREPTQEEIERVAMLSNCDDFIRKMPMQY
ETEVEGERGVQLSGGQKQRIAIARALVRKPKILLLDEATSALDAESEHMQSAIDHMIDTA
RSTDGAGMSVMIVAHRLSTIRNADII FVVQDQGVVEQGNHTELIQREDGAYASLVRRQMN
VQNKLESGGD
>comp11383_c0_seq3; 657 91 2990 LEN=3043; translated
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TRDELEEEALQQSFGSWLSCYVNRAAFPSELFLCLATTLVAVGKCLVRLNIEIGVLRDAEP
IHPIFWLAFFLSAAVSVTEMVYVDAVCVCLGKKGSTAEKPLLLRHISHLSLPLLANDSL
EGQEESENGRNEEDQPESAAIDENAVGDSGIGGDADYKASWSDLLKLCAPDAFLISIAFV
FLLFAAMMQIYIPKYTGACLDALDAQAYSSNDDGSNDDNESIKDIPGFMSNVKLLIVSVL
GGFFSGVRGSIFTMVGGRVNVRLRLRLMDALLTTEQGFFDVTKTGDITSRLSSD'TTLVGD
QVTLNVNVFLRSLVQVIGVLTFFMFMISWQLSMLAFISVPVITILSRWYGTFFVRSIAKVMQ
TKLADGNSVSEAALSSMPTVRAFDAGPTEYKEFTTHMDKYLEMTFKSAVAYCGYATVSTS
LPQLVTALVVFYGGLLVRNGSLSSGELVSFLLYLQSLSDAFSSIGYIFSSLTQAVGAADK
VFELMHRDRRVIPTMDSNNNGVTNQSSLVQKVRVTGVEPNECKGEVTLQDVMHYPAR
PNRRVLRGMSLTVPVPGSIVALVGPSSGGKSSIIISLVQNLYSQSSGKVMLDNIDVHEYSR
WLSHHISIVQQEPTLFARSIRRNI MYGLEGT DREPTQEEIERVAMLSNCDDFIRKXELVL
AAEVAMTTQDACFIVEDKNSNISSSEDADAXMRQRLVNEAAAKWWTETKVSHASYQTSSA
YIQKHISESSSRFRIAIARALVRKPKILLLDEATSALDAESEHMQSAIDHMIDTARSTD
GAGMSVMIVAHRLSTIRNADII FVVQDQGVVEQGNHTELIQREDGAYASLVRRQMN
VQNKLESGGD
>comp11384_c0_seq1; 441 192 1079 LEN=1316; translated
MRSKPSQSAPKGGVKGIRKGGKRRKQYRPSFLDCQSLTHVVGFPQNELITTSVASEFVK
EMFFDRFVKEVVKPFQPRKNKESGDGERYNSATPKNDGNTGYHVMVGGKLVKKRNTPOG
NETNDPKESTTQNRNEIDDALARKRQFWKENIVVGSNQCLRVLETASKGLAATPNKKDGD
TGAQAKPSLIVLAKDIYPTICTAI PVLARNLGIPLLLLPGKASLELGKAMNVKRTSVLI
FLSGDDINGENDADKKSTGGGVEDKERRETATAIASFVSFIKEQMSVSGRDKIG
>comp11385_c0_seq1; 354 584 1039 LEN=1190; translated
MYAVQILLMILLGESSSSPSSSFLAGTTIDNAGSHALSRAFRMFQEGREEEIGRDTY
FFPGVFEGVFNRTVRVVVGNINTFN'TTDGSNKPNNDDYVVSIFRSDDDEKEREFRKMGMM
DVAEANDEDDSAELLPLCLVELHRTPDISLL
>comp11385_c0_seq2; 332 428 1058 LEN=1209; translated
MEIPHSMGFGGVYVELGFNPVFTPLTIQDEDDGFLMIDPHTGKLTTKIMAVSPKHPIMY
YAVQILLMILLGESSSSPSSSFLAGTTIDNAGSHALSRAFRMFQEGREEEIGRDTYFF
PGVFEGVFNRTVRVVVGNINTFN'TTDGSNKPNNDDYVVSIFRSDDDEKEREFRKMGMMDV

AEANNEDEDDSAELLPCLVELHRTDPDISLL
>comp11385_c0_seq3; 366 340 1917 LEN=2068; translated
MAKSSVPQRRDRPTTNGMSRGSNLKTNRQQPAMQYPKTQSQQPQRNSPRQKFHSQVRPLK
QGRSTNRRPRINAAGRNTNRYRSRANMSMDTIPEENPKRKKKKYRKKKVLRAWVLPVAVFLS
CLCIIWLEHYIGKLIGLEDFREYVYQDQLIDPLDRLAQDLVDLRAQETSIIIGNPISTRVVA
NISFTPRDGNCPKGQRRMINIHNPMSHSVRGRLIPKIVHQQAKTRCLTMRVDEPRSSGSPS
DGCIKLTVPNLPILRYPVDSGATTSTTKSLEVDCSRGIAGAHRGNXEFPLLKQIISDCF
EKNRERPRYRSLSELWKFLLWVFGGVYVELGFNPVTFPLTIQDEDDGFLMIDPHTGK
LTTKIMAVSPKHPIMYYAVQILLMLLGGSSSSSPSSSFLAGTTIDNAGSHALSRAFRM
FQEGREEEIGRDTYFFPGVFEGVFNRTVRVVVGNNGINTFNTTDGSKPNNDYVVSIFRS
DDEKEREFRKMGMDVAEANNEDEDDSAELLPCLVELHRTDPDISLL
>comp11385_c0_seq4; 354 727 1182 LEN=1333; translated
MYYAVQILLMLLGGSSSSSPSSSFLAGTTIDNAGSHALSRAFRMFQEGREEEIGRDTY
FFPGVFEGVFNRTVRVVVGNNGINTFNTTDGSKPNNDYVVSIFRSDDDEKEREFRKMGMM
DVAEANNEDEDDSAELLPCLVELHRTDPDISLL
>comp11385_c0_seq5; 354 1586 2041 LEN=2192; translated
MYYAVQILLMLLGGSSSSSPSSSFLAGTTIDNAGSHALSRAFRMFQEGREEEIGRDTY
FFPGVFEGVFNRTVRVVVGNNGINTFNTTDGSKPNNDYVVSIFRSDDDEKEREFRKMGMM
DVAEANNEDEDDSAELLPCLVELHRTDPDISLL
>comp11385_c0_seq6; 269 1 915 LEN=1066; translated
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SSSRKCEFPLLKQIISDCFENRERPRYRSLSELWKFLLWVFGGVYVELGFNPVTFPL
LTIQDEDDGFLMIDPHTGKLTTKIMAVSPKHPIMYYAVQILLMLLGGSSSSSPSSSFL
AGTTIDNAGSHALSRAFRMFQEGREEEIGRDTYFFPGVFEGVFNRTVRVVVGNNGINTFNT
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DISLL
>comp11386_c0_seq1; 145 186 869 LEN=1367; translated
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VSIFLPRAGVLLVHVLVHPVAGLTVWPRGREVFCDPFRFLALATIVVGGSTVAYVASGGS
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>comp11387_c0_seq1; 570 97 1650 LEN=2150; translated
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EETITTRIEAKQKEIFEPLPLLLDAIGFGRESFYNEGKHYDNNHNNIDGTNTGKTGPPVLR
RSRSASEMGSADDAFWEVLRDLEPEPVDYESNRQADEFEPLPLHANDSSCIDPDLVLR
TRGYRTNHNNTGDTKKRGRYSLLRRSNSFESAFDRKKTIKNLYGVVPKLRQRPGLIP
SFDDPQASSPAFVADAIHSTMDMIAGMGRGATSGAGVTRHRGMDVVFQKDPSPAGGGYA
LSPKADIVGNRLRVLIDLEKDRVGRVPTVEQHTAASGMVTTVTNDWKGRLLVDRGRFAS
YASLGREEATAAVLCLLVGSPSGGTPAHGATRPAAASGATSSLLSSAPPLPAFLKASNEI
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>comp11388_c0_seq1; 283 102 1958 LEN=2152; minus strand; translated
MWMFGENGVSIPTPDGSEEVKNIPPEKVKNTSSTYNXLNFDSTWYHMQPDAHLCLNSS
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SPRDLDPYPTREEIIVHCSEYSNISASHMDVFSANSPSVPIPTTITMHDNTNMRSYGKLEV
HSSLGDVAYSTVSGQPKLYKIDLAGRSVMEVDVSNVSPKLRRLINLVLLPSRNLSLMLS
SSISLTLNSTEFYGVYDIAYSPKNGHIFARTEVCCTCGFEGADSLECGRYGSRNITISGE
TVEGQCXTSLSRPTDVTGVVIEYDNTDVTVVGSHKFFVGSAPVYAPFSSPDGEHIVMFGLD
GGQTVIEILKVGNTGEMSVRQHLRNGIAFAWFLFDDXTLTHISFNPI SAFINEQEVETTLS
LDFNTTNVEEYGVYNDFAIYQTDENMLFVVSSSSDYKVAIVDMSTPSYDVSYVMLKDVY
EGRRYSRQVEWAEGTNYVVIIGRQDDEAYVIDLESKELIRTFTEVDSRKLKLSVAPYHFMG
MADEYGSYMAANGIGSGGNDDVLSIVALALSCVAIAVAASVFAKKS DPKLEPKESAVP
LTKHKVDDPSLAVPPSVA
>comp11389_c0_seq2; 254 1 364 LEN=432; translated
XQCEPIREQCKENDMSPEECKPLFECKEGLKKEECEDMLHKPEHNPIEHCVGTGMSEED
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K
>comp11390_c0_seq1; 797 161 2299 LEN=2578; translated
MVKFGGHVEAIREGLVDARLYIIPYNEIKSLVYEDKGSNISKSPKHAGSMKTNPASAMN
LAVGNRGEGEKKQADSGDEVTEDEEQFFMRVWVKVALSDAEEDFRGAREEIQWQIFAGITE

READPEMENDPPVRGAHPGNAIKLYVDRLGETEAQELLVVMKEVYRAASINSEGLRKLKLV
KKS DKHRKDRNGLSSKLLPLLYTSSLYTGQNMMDAIGLLRDLICGRSDSNTNGRVYAS
DDSLIGAYNDGHF SKLVKRNSETRHQEAIDIRKMEFDWLKSLVRSIPNDLLPKLVHRG
FHHTKDRNDKRPVENSL SAYEMAWTCGIELCECDIALTKDEKLILAHDENFERLSLDALH
ANSKRKVGDLTFKELIS MPLSNGVRPPLLIDVLR SASAISERSKLVIEIKPGNESSAFAL
ARLLTRHPDLRSNVAMIMSFDAATMHQLRAELDRVVL PDSRGELAADR IPLGGAPLQNSN
THRRVTSYDHF GTLSSGWLAGMGMGAGSSPVPLSSQTRRRDGSIDLSSIGLSISQTNLAA
SPSSQSVTRLGKGFPSGSGQLNGATGEPLATSGSWEKQAVDHYGNSFSMPKLMMLTVADP
PSIPCELQVQYNELHRVDSWLRHEDGFLDGVYLQYEPGMLTPEGAACLRELSQRFLVGIW
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>comp11390_c0_seq2; 721 161 2140 LEN=2861; translated
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READPEMENDPPVRGAHPGNAIKLYVDRLGETEAQELLVVMKEVYRAASINSEGLRKLKLV
KKS DKHRKDRNGLSSKLLPLLYTSSLYTGQNMMDAIGLLRDLICGRSDSNTNGRVYAS
DDSLIGAYNDGHF SKLVKRNSETRHQEAIDIRKMEFDWLKSLVRSIPNDLLPKLVHRG
FHHTKDRNDKRPVENSL SAYEMAWTCGIELCECDIALTKDEKLILAHDENFERLSLDALH
ANSKRKVGDLTFKELIS MPLSNGVRPPLLIDVLR SASAISERSKLVIEIKPGNESSAFAL
ARLLTRHPDLRSNVAMIMSFDAATMHQLRAELDRVVL PDSRGELAADR IPLGGAPLQNSN
THRRVTSYDHF GTLSSGWLAGMGMGAGSSPVPLSSQTRRRDGSIDLSSIGLSISQTNLAA
SPSSQSVTRLGKGFPSGSGQLNGATGEPLATSGSWEKQAVDHYGNSFSMPKLMMLTVADP
PSIPCELQVQYNELHRVDSWLRHEDGFLDGVYLQYEPGMLTPEGAACLRELSQRFLVGIW
>comp11393_c0_seq1; 355 169 2107 LEN=2355; translated
MTQRNKGLLRKDRRRNATPSSRGQNAFASQASTPTPTLPSCPLPPAAVFAVFFLAVQLVA
LNIGVILFEGKGAGNAFSRSGAIPSKRDFLARTQTQQQRQRRAGREAPDGSFNHPIYH
RTRKDVET FVHCVGENYQERLSWKKKSCFKNYFCFDAATKNYVVF DAPENKAIYEHRDR
HPLLD FSQSYL KMAPSEPN SVSLGGINTKWKGDTHRLEWSPEIRTMNADESLSYYELPSS
VVMIPFHS MN GSNPGHLVWDDFLPIFTLLSMFQLKEKSKELMLMRYILKGN GSKDGE GS
RGLWASCDWTDEKKEACR KMYKKFLPLMLGADPVREDPV TTEEFDFRPS SDAGKSS TTLV
CASHGLAGIGALTDHGTEKTHGWDQSDYQLTQNHGRGGTIYEF RNFMLRNMGI PVESHQE
PPFRVVFSESSSRDTRNFDFKKQK EFLKQNFHPSYVSVESYVLSDSLAEQLEISSQAS
IFITSCGGGAVSAMFMPRGSSVIMYYVENG GIVNNKPTGTPARLDWDLFNNMAYLKVHWL
PSSTMNTDADTNALFLLIQHELEGLIREKSYDHF FNYGHLSESGWKIEEYLLCTSYEYWA
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>comp11393_c0_seq2; 355 169 2107 LEN=2380; translated
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RTRKDVET FVHCVGENYQERLSWKKKSCFKNYFCFDAATKNYVVF DAPENKAIYEHRDR
HPLLD FSQSYL KMAPSEPN SVSLGGINTKWKGDTHRLEWSPEIRTMNADESLSYYELPSS
VVMIPFHS MN GSNPGHLVWDDFLPIFTLLSMFQLKEKSKELMLMRYILKGN GSKDGE GS
RGLWASCDWTDEKKEACR KMYKKFLPLMLGADPVREDPV TTEEFDFRPS SDAGKSS TTLV
CASHGLAGIGALTDHGTEKTHGWDQSDYQLTQNHGRGGTIYEF RNFMLRNMGI PVESHQE
PPFRVVFSESSSRDTRNFDFKKQK EFLKQNFHPSYVSVESYVLSDSLAEQLEISSQAS
IFITSCGGGAVSAMFMPRGSSVIMYYVENG GIVNNKPTGTPARLDWDLFNNMAYLKVHWL
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>comp11394_c0_seq1; 256 341 1135 LEN=1249; translated
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STNTFDGSSISSLEDDQIDTDILTDMGVLELNLKDDQEQEIAHSLHKSLSNLPAVNERLR
DETLEDCHAFTDLKREGT LSRGSIITGGEV TLEPLEEIEDEGDPNERTSKIKITNLAEI
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>comp11395_c0_seq1; 379 166 1803 LEN=2731; translated
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TTSFLKASEVSVDEGAPFANGDRENSERKVAETTRHLPRLFIDKGS DNNSNSFVIPLREK
SLVPLTVDQEHYLLDVMRITNAKRWGPRIGGK KRKNNDDEAGAYEKDALDYTGCVRIFNG
VDGEW LARVVVPEEDAGGGTKNKKQRRKRGGKQKTNSNGGEASTSSGTVLECLQRLLPQ
ERAGTHRERQDEAAIVGNRNKHNEIASRLRYLGYLKDKQRRRWVIEKATELGADCITILE
TDFSNNNNP SDPGSYKRKQKEVRWEEDREKHLHAIEAAEQCERLTVPELSDQSWTIDEI

ADRVALPAGGQESDGERDTSIAGHVVMVCRERSESSPPILSALRELSAAPASESAGDTN
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DVGRM

>comp11396_c0_seq1; 735 291 1997 LEN=2204; translated
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DWRSEFRNLAMGDTKDESNNTNNTNNTNLPSPSEKKAREGEERVITENEAVLRTQNEKLA
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AVADADTDAEKGGPVGPDDLEMSHWYGRSSDLVEEQMKKIADKADEEGQIDASTLPEDHA
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DSVQPETARRLTRFATAFREECVAVCVGGPDHQGEPAILVHGISGLEGASEISPGTGIYRG
GLEAAIDGVL DGLYSPLEFRFFVVGCHDYQESMLDVEVMLGKLPVACSRVLPKQCISLP
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>comp11396_c0_seq2; 480 317 1369 LEN=1576; translated
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RPMFAFKLTKDLARVVYLGSYGIDSVQPETARRLTRFATAFREECVAVCVGGPDHQGEPAIL
VHGISGLEGASEISPGTGIYRGGLEAAIDGVL DGLYSPLEFRFFVVGCHDYQESMLDVEVM
LGKLPVACSRVLPKQCISLPKPLWHEVMELCGGGDLPDISVLEMRKHEDVTFQVLEED
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>comp11397_c0_seq1; 269 696 1505 LEN=1865; translated
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MHKAVRSMSKLNRLASKIMTKHNAHAATDVTGFGILGHAQNLMDNQIAECGVELHTLPCI
ANTLKVND EILNFRRLRAGYSAETSGLMISMTESDAIAYCTELRQLEKDSYNYSNGEDL
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>comp11397_c0_seq2; 269 499 1308 LEN=1668; translated
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>comp11398_c0_seq1; 226 1 1103 LEN=1103; translated
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IESHPSECAFSPKPPQVWGSIRELTEGIEHAIPPGRASLFPSWFAPSGRAAPGNPEGSS
STTPPAGRDGSHSNNISNNNNNNKTKNKP NKATVLLARQNQHRSVPAAPTVTTHLARV
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KDGNGNGX

>comp11398_c0_seq2; 151 1 836 LEN=836; translated
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PIRIASLNAYLICGLFNRYRTHPERRASKIRREFLGPHGPDVCFQEVWGSIRELTEG
IEHAIPPGRASLFPSWFAPSGRAAPGNPEGSSSTTPPAGRDGSHSNNISNNNNNNKTKN
PNKATVLLARQNQHRSVPAAPTVTTHLARVLCVCVCFACVCHGFVAVPPVHPCPTPHD
PAMP PPSRKRQQPICFRSLALPLANTEEEKPSKDGNGNGX

>comp11399_c0_seq1; 666 265 2263 LEN=2554; translated
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DFPKSPSWSAPTIVSHSKDWRMWTGTETVTVAGVEYLAEQGFPTIMYNEFQNA GFETLHMI
VGERMFNTTESQELPPINVTYTHPFLSAMTKITPSPDWVFGFSDLRTISYDTETYNRIV
VKS YVWDAGTDEGEAYHSFDRDLDPQIPCMRF CVPTNVGGGEGTKDSNVKHEPDLNR IH
HPTALAGKCPDKDKRTAVPRGGQFLDYTGTYIPYPAEYECVLRVGNGEVYPGNAFHEDQ
IRPALFVPRPDDDFLDGISPYDQPAYDIHVAELNYVEPEEEPEGWNKNLLWLILLLLLLC
CAPFCAFFAM YMMFYRKKKNKDGSGTG GGDGTENGEDGDTNRSLPDEAFLDEATAEHDSN
QEF SNYDYSNIDPSQSDAPYDDDTGYGDVADEIGEDDEYSKFLLESRRVAQDVVYGGDD
SGAGYGESGDAFRTSYRDDEGGGHSSYRDGDVLERECECECECKSGGIGPRACIGLAVVL
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STNNT

>comp11399_c0_seq2; 642 39 1608 LEN=1899; translated
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DPQIPCMRFCVPTNVGGGGEGTKDSNVKHEPDLNRIHHP TALAGKCPDKDKGRTAVPRGG
QFLDYTGTYIIPYPAEYECVLRVGNGEVYPGNAFHEDQIRPALFVPRPDDDFLDGISPYDQ
PAYDIHVAELNYVEPEEEPEGWKNLLWLILLLLLLCCAPFCAFFAMMMFYRKKKNKDG
SGTGGGDGTENGEDGDTNRSLPDEAFLEATAEHDSNQEF SNYDYSNIDPSQSDAPYYDD
DTGYGDVADEIGEDDEYSKFLLESRRVAQDVVYGDDDSGAGYGESGDARTSYRDEGGG
HSSYRDGVDLERECECECECKSGGIGPRACIGLAVVLEGLAEGGHATAVGCPHRETDPRD
GWLEGAGSMHGMFTCSGALVYNRNTKDGNSFLIWLQSTNNT
>comp11401_c0_seq1; 369 585 1559 LEN=1704; translated
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VSLADATVFPISIVFSSFMFPKFDNQGLFLDGDQQRSPIPKKIEDWYQRMIDTDAAFKKT
DEITDALAKWDAGGRWDPIWLAGMRDTEPETLFDKIVNKEIPTSIVKEDEKILAFKDINP
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IAGQEVFHLHVHVLGGKEFGWPPG
>comp11401_c0_seq2; 333 1 1331 LEN=1476; translated
XLFD SQKRPNEREKIERSTVRKKVMLFSVSHSLKKAFAAATTSSWGNLSEFVSTTR
TTAVHSTGSSVGDTSVIENK KATAKNLLFDVPVSNNGGRCRIILYKKKIPSECSV
ELGGFKSEEYLAINPQGVPSLKCQITGRCFAESDTVCRYLLSTYSDLGPSFQPENPLSN
EIARFHDMYLTTIQSCLYRAAPPFGPFWTRKDALNEYSKQLYVISDLMSEQGPYLCGEQ
VSLADATVFPISIVFSSFMFPKFDNQGLFLDGDQQRSPIPKKIEDWYQRMIDTDAAFKKT
DEITDALAKWDAGGRWDPIWLAGMRDTEPETLFDKIVNKEIPTSIVKEDEKILAFKDINP
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IAGQEVFHLHVHVLGGKEFGWPPG
>comp11401_c0_seq3; 338 1 1295 LEN=1676; translated
XLFD SQKRPNEREKIERSTVRKKVMLFSVSHSLKKAFAAATTSSWGNLSEFVSTTR
TTAVHSTGSSVGDTSVIENK KATAKNLLFDVPVSNNGGRCRIILYKKKIPSECSV
ELGGFKSEEYLAINPQGVPSLKCQITGRCFAESDTVCRYLLSTYSDLGPSFQPENPLSN
EIARFHDMYLTTIQSCLYRAAPPFGPFWTRKDALNEYSKQLYVISDLMSEQGPYLCGEQ
VSLADATVFPISIVFSSFMFPKFDNQGLFLDGDQQRSPIPKKIEDWYQRMIDTDAAFKKT
DEITDALAKWDAGGRWDPIWLAGMRDTEPETLFDKIVNKEIPTSIVKEDEKILAFKDINP
AAPAHVLVIPKDRDGLTRLSKATPEHYEILGRLMVAAGEIAKDKSLGFGDGARVVNDGE
IAGQEVFHLHGE
>comp11401_c0_seq4; 374 585 1523 LEN=1904; translated
MELGGFKSEEYLAINPQGVPSLKCQITGRCFAESDTVCRYLLSTYSDLGPSFQPENPLS
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VSLADATVFPISIVFSSFMFPKFDNQGLFLDGDQQRSPIPKKIEDWYQRMIDTDAAFKKT
DEITDALAKWDAGGRWDPIWLAGMRDTEPETLFDKIVNKEIPTSIVKEDEKILAFKDINP
AAPAHVLVIPKDRDGLTRLSKATPEHYEILGRLMVAAGEIAKDKSLGFGDGARVVNDGE
IAGQEVFHLHGE
>comp11401_c0_seq5; 231 1 1461 LEN=1606; translated
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TTAVHSTGSSVGDTSVIENK KATAKNLLFDVPVSNNGGRCRIILYKKKIPSECSV
ELGGFKSEEYLAINPQGVPSLKCQITGRCFAESDTVCRYLLSTYSDLGPSFQPENPLSN
EIARFHDMYLTTIQSCLYRAAPPFGPFWTRKDALNEYSKQLYVISDLMSEQGPYLCGEQ
VSLADATVFPISIVFSSFMFPKFDNQGLFLDGDQQRSPIPKKIEDWYQRMIDTDAAFKKT
DEEVDLSVGITLMHYIGDEPLKADILVVIETTANQKNSTQIDPQITDALAKWDAGGRWD
IWLAGMRDTEPETLFDKIVNKEIPTSIVKEDEKILAFKDINP AAPAHVLVIPKDRDGLTR
LSKATPEHYEILGRLMVAAGEIAKDKSLGFGDGARVVNDGE IAGQEVFHLHVHVLGGKE
FGWPPG
>comp11401_c0_seq6; 272 585 1653 LEN=2034; translated
MELGGFKSEEYLAINPQGVPSLKCQITGRCFAESDTVCRYLLSTYSDLGPSFQPENPLS
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VSLADATVFPISIVFSSFMFPKFDNQGLFLDGDQQRSPIPKKIEDWYQRMIDTDAAFKKT
DEEVDLSVGITLMHYIGDEPLKADILVVIETTANQKNSTQIDPQITDALAKWDAGGRWD
PIWLAGMRDTEPETLFDKIVNKEIPTSIVKEDEKILAFKDINP AAPAHVLVIPKDRDGLTR
LSKATPEHYEILGRLMVAAGEIAKDKSLGFGDGARVVNDGE IAGQEVFHLHGE
>comp11401_c0_seq7; 267 585 1689 LEN=1834; translated

MELGGFKSEEYLAINPQGVPSLKCQITGRCFAESDTVCRYLLSTYSDLGPSFQPENPLS
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VSLADATVFPISIVFSSFMFPKFDNQGLFLDGDQQRSPIPKKIEDWYQRMIDTDAAFKKT
DEEVGDLVSGITLMHYIGDEPLKADILVVIETTANQKNSTQIDPQITDALAKWDAGGRWD
PIWLAGMRDTEPETLFDKIVNKEIPTSIVKEDEKILAFKIDINPAAPAHVLVLPKDRDGLT
RLSKATPEHYEILGRLMVAAGEIAKDKSLGFGDGARVVVNDGEIAGQEVFHLHVHVLGGK
EFGWPPG

>comp11401_c0_seq8; 236 1 1425 LEN=1806; translated
XLFDSSQKRPNEREKIERSTVRKKVMLFSVSHSLKKAFAALATSSWGNLSEFVSTTR
SIS TTAVHSTGSSVGDTSVIENKKATAKNLLFDVPSVSNNGRCRIILYKKKIP
ESECSSVVTPELGGFKSEEYLAINPQGVPSLKCQITGRCFAESDTVCRYLLSTYSDLGPSFQPENPLS
NEIARFHDMYLTTIQSCLYRAAPPFGPFWTRKDALNEYSKQLYVISDLMSEQGPYLCGEQ
VSLADATVFPISIVFSSFMFPKFDNQGLFLDGDQQRSPIPKKIEDWYQRMIDTDAAFKKT
YDEEVGDLVSGITLMHYIGDEPLKADILVVIETTANQKNSTQIDPQITDALAKWDAGGRWD
PIWLAGMRDTEPETLFDKIVNKEIPTSIVKEDEKILAFKIDINPAAPAHVLVLPKDRDGLT
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>comp11402_c0_seq1; 264 69 1173 LEN=1462; translated
MIRFSRVLGSLLYAGTASITGCFRFTGGHIVTAFSSNCFSPPKSRDCGSRAIHLTSLT
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AFDLENFSTLLANTVSVLRELEKSSLVVEVPMAKARLIEEIEAADLGFYHHAQGT
TAKLNTWLRREDIPSKVPEFATHHVGAVVINSKDEILCIRELRRNYHPWKIPTGLADL
GESIHDAAVREVLEETGITATCQSILSFRHTHGVANGRSDLFFVCHLIPKENDDGS
IPTPVPQACEISEAKWVPLSDYRDMVDGLTEESKGHVMTFVMNSIFDKGLRINMTEV
SSVVPGRRPTPLYFPEVPEK

>comp11403_c0_seq1; 497 115 1629 LEN=1918; translated
MKEIICLFLLCFLVENTFALSPVAPKSESTVPKTSNPSSKWIGAECTMREYHAAE
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IFESRSSVVTGEECRFIVEEARETIVQGLIDERQQSDDNEPPEDRRVNAISNSQL
GEARLSRMPKTRAWLKEALQTRFYPLLKNRFVDDIVLYDGLVLGNLAPTMSQPI
HRDASLLTINVALSALDDYEGGGTYIEALDEVLTIDQGHLLCHAGSAMHAGNAI
SKGERWVFLVFLLLGEQHPQLARRCHAEAEIETRRELDEAEAVLQTGLKSIAP
NHDHLLHNTMGRRLHMMKGEHSKAFRSFQNASAYPICQNAMVSMQQLVDRRR
PRAALRRFDTVLERIGDRDLDPGSPSOLSQKSLAYGARDAARCALVCADHLYRS
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>comp11404_c0_seq1; 395 254 1480 LEN=1542; translated
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CALAYALYNVICIKKGSATIHPIILGGVVLECVAAALFGGLALAILLVYQKLSPP
AETNRHQGSSENNQRQDGYIVGEKSSDDTCISVRVEKDGIIWWSIGAGVWGV
AEIISFVVSFGPMGVPVTQSIP IIVGGSVLF AAVLGLSLCKESMVLTHGWF
GVAMLTGIIILVSTAADDEHLYSHSND FEDRREGAPLPSAPL FVWLSLALCC
AMAYAFYINIGIKQGSSSVHP I VGGVILQVVAIIFGLCALGAILVW
NENVRNKGGEARTVLHYDSSGVLWSSLAGVAVGIAELLSFGVSGMGVKATQ
SIP I IIGGSVAFGAVIGIFVLGEGDLQGWVGVLLLVSGIGVVGTDPHSIG

>comp11405_c0_seq1; 1013 1 2291 LEN=2291; translated
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PTLAPHLSSIAQLE GSIARGLTEMSNLDRSRVEEVEHGVDCARHWQPREI
GNASAHADAHNEDLQRTAILLRKFQEELDRLLAEHGRGNRNKNTPSLTLT
ASYERCLERNFAYATLPNGALRLMLRADLWDVPRACLRFRLHLSLEKYYG
DLGLKQPLTIDCLDREERNKCCHHIGGTGTPPKGRSSSK INKNNGGASS
SSSSSRGIYNKKGRGAKKASGSSSKRKSLSLDPMLALKSGSIQVLP
SRDRSGRRVVVFQMPQDTEDLQTQQQTQQQTQQQSKFRAIFYFLCALAGS
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SADLVTSTTEEKACQSS LLLKEYEELVRSIPIRFGAVHLAFDGS
DQTQTEETTANHRVTPHSICEAMVRSFLKDHPYN IARVKLYNRDASND
STKKEKLSPFGIPTHQIPVTHGTIKLKEHNSWVKTEWSRQQQMA
PNHNHKVIECPGTNDVLF SQGGKYWNGVNRFRQGNLEFMEFLET
KIDVYQSTLSWKKKHA ILLACVAEFANQSLPGSNPPRFLETATQIEG
ITAPDGCWVELPLTSPLLMQKIRQTLNLH IRRLEASGKRKPAPTKV
VRAKKTTKKKQQRPEEEACKSSSSNNN

>comp11406_c0_seq1; 482 68 931 LEN=1111; translated
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DLEDEEGRAYHRWDPSYASGASDSGAGGDRDTTGIGIGSYADLLYDENL
DEEDEAYVYKHIRGGIREAVTVRTAPTCKGPGPAAAADGAPVSGGETGT
ARTQRPQQQQQQRVEMYKPRSSDAVLSLCP

CFNIVCMDCQKHRYANQYRAMFVMGIAVDWNHVLVYDEAKRALVSKAPAQGEAGGDPAG
AAKPFVAAGGGEYYAVECAACGTRVAALDMRDEVVYFQGCLESSSAF
>comp11407_c0_seq1; 353 88 768 LEN=985; translated
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ADLSQNVTDLIAGCSLDCATFVPEEEDEDEVSGEPLPPTVAPVEATPSPTYELPAISASK
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>comp11408_c0_seq1; 863 248 2125 LEN=2125; translated
MCRPDKGGSDSNSKTNTAVNGDMASKSRIANATTKPQRLRREKRDKDGEYIILLSDAGLAS
GPPEKSKKKKVKSKALQKHGKDNPSGGLEALVPSLIGVGLVMVMAQRGFRGRASVAGID
LGTNSVICIQRLSKGVGVIDCVEDPLTGSPIVPSVSVYDLHREAGEIKVGPSSKTKTL
LDPHPSRVVGHAAKRIDTHPHQTLYNAKRVLGRPYGDTAVEELRREVEFRVEQEQRD
DDDDTRENLPLESVFRVDSTVALSPQQVGGYVFNFLVGI TRDFLGHNDVKSAVLAVPAKF
DAHQRRRTFEAFQLAGLKVAVLEEPTAAALAYGLHKKEGVEKILVYDFGGGTLDISILH
VSEGYCDVMGSDGDDRLGGADFDVAVAHLLAEKHSSVLENLTAYGDDHSSGKNQDRDEDM
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ALPPLTAATRSSLSEMCDSLFEEMLEVTLEEYNTACQPLFDRSVVPATRLVEDLTLQKE
EIDEIVMVGTTTRMPQIRELVRQAFPGAQLNTHIDPDLTVVCKLRARVQTRRIVFVRFV
LHFMPTTTPFDWLLTRGLEAGVVTG
>comp11408_c0_seq2; 385 263 928 LEN=1066; translated
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DRITDEIPLCSISSFHTLGEKVKIDLSQQQKQKESVQIEEGSIAARTKCLALPPLTAA
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GGTTRMPQIRELVRQAFPGAQLNTHIDPDLTVAYGAASVID
>comp11408_c0_seq3; 944 248 2017 LEN=2155; translated
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GPPEKSKKKKVKSKALQKHGKDNPSGGLEALVPSLIGVGLVMVMAQRGFRGRASVAGID
LGTNSVICIQRLSKGVGVIDCVEDPLTGSPIVPSVSVYDLHREAGEIKVGPSSKTKTL
LDPHPSRVVGHAAKRIDTHPHQTLYNAKRVLGRPYGDTAVEELRREVEFRVEQEQRD
DDDDTRENLPLESVFRVDSTVALSPQQVGGYVFNFLVGI TRDFLGHNDVKSAVLAVPAKF
DAHQRRRTFEAFQLAGLKVAVLEEPTAAALAYGLHKKEGVEKILVYDFGGGTLDISILH
VSEGYCDVMGSDGDDRLGGADFDVAVAHLLAEKHSSVLENLTAYGDDHSSGKNQDRDEDM
AEILASSCDRITDEIPLCSISSFHTLGEKVKIDLSQQQKQKESVQIEEGSIAARTKCL
ALPPLTAATRSSLSEMCDSLFEEMLEVTLEEYNTACQPLFDRSVVPATRLVEDLTLQKE
EIDEIVMVGTTTRMPQIRELVRQAFPGAQLNTHIDPDLTVAYGAASVID
>comp11408_c0_seq4; 344 263 1036 LEN=1036; translated
MGSDGDDRLGGADFDVAVAHLLAEKHSSVLENLTAYGDDHSSGKNQDRDEDMAEILASSC
DRITDEIPLCSISSFHTLGEKVKIDLSQQQKQKESVQIEEGSIAARTKCLALPPLTAA
TRSSSLESMCDSLFEEMLEVTLEEYNTACQPLFDRSVVPATRLVEDLTLQKEEIDEIVM
GGTTRMPQIRELVRQAFPGAQLNTHIDPDLTVVCKLRARVQTRRIVFVRFVGLHFMPTT
PFDWLLTRGLEAGVVTG
>comp11409_c0_seq1; 298 239 1162 LEN=1442; translated
MNCFEALLITSLEFAFRHMNTPD SAAPTGD TAESH AHCSICLPPLVKATVEE LELQRQQ
LEQELSSPNSFPYELYDLLQHVDNRGLGIFISWTIDGKSFR IHDHASFEKTILPIYFKG
MSSYRSFRRQLNNYGIYQDRVSR TYSHKFLVRGKRMLCSKIVRDINHRYRPKANMSGTGK
LPREKQPSQNICSSHSPSNANDCSSSTNIKNSDDALFSENQVTDQTILSPNPVDFESIN
RNRKKNNNYPSNSDYDNNTLQSF LRDQYWANLPGNLLPIDVNEIIVTFSSPEQQRQLT
SSRAEQK
>comp11409_c0_seq3; 298 239 1162 LEN=1632; translated
MNCFEALLITSLEFAFRHMNTPD SAAPTGD TAESH AHCSICLPPLVKATVEE LELQRQQ
LEQELSSPNSFPYELYDLLQHVDNRGLGIFISWTIDGKSFR IHDHASFEKTILPIYFKG
MSSYRSFRRQLNNYGIYQDRVSR TYSHKFLVRGKRMLCSKIVRDINHRYRPKANMSGTGK
LPREKQPSQNICSSHSPSNANDCSSSTNIKNSDDALFSENQVTDQTILSPNPVDFESIN
RNRKKNNNYPSNSDYDNNTLQSF LRDQYWANLPGNLLPIDVNEIIVTFSSPEQQRQLT
SSRAEQK
>comp11410_c0_seq1; 1492 101 4364 LEN=4437; translated
MRYHTKGNNSQSGSNAYSISGRIGR NESNKEDREASSRFSSAPNVRNVRAADRSTKEEGR
QDVII EAQERSDDKEYRILYDEIERINRILQSGSSREAVGTISLTSSFNKDAEISPSMHE
KIMRLIKAMMPNSTPDQKNAFIRDLFDMGIRVQNKQDRSQIQQQSSSYEVGYESMFEES
NSIVESVSGKEQKISTLDEFDDGSNSII EKSGENYLEEDLYASTKGANSSTEVENQWDEL

RSKALNDNSGRISSAAVLSSEIEAALIEDCVATGIDSSPKSRALAGFQKNLIDGECQSV
HHRLTPAYQCPQAE DNSNF SKRRGQPD DTS GHQPMRPRCTHPNRFEIETASETNSILEDN
EIDADDIPSIDEGTSTTSRKKDDGIGLEQPGKGTFFFDVSE PANSFQSEETQLTKKVSQDM
QSFNFKRDNSCKTQRORRAPATSEGTVDRE EENYPKIEVTLHQSSGDKSPSAKTSNLGLV
ESTTRSHPGDISIVDESIGSDMIVGDKPGISSSSSEIDDMMSGSDGENAELCDATTTDSF
RHLTSLIHVKSSLTIGTEFASP KTDQKKA EYSFFQNV DLSVGETNGQSFTDKRQSEAEI
QPSWRLDPSKSLDFELQILSVETGETTSYFVHKHMMAVGPRSSDYMNEAFRCENSSTFQ
VTLDEKTFPLVPKILDFIYHRENEINITTESAVPLRQLGKMLKITHIEVKAATFILNEMD
ISNLAQYVADSCHFND EEVMN AVVERCCANIEAIPITDRLWIVMEPELFLRIISSKSFDR
DTLSKHLSVLLTEYLELHQYEINIDLFATLTSEKI IPTMDRNAAMPLIELCQFYDSSREC
EALQKRCAYTVASYWD TTSQTDRQLFSLLRNLPSSTLVDFLEIVESGSCTTEKRRNELE
TEHTTIVAGIPPKAMSI EDLCENALREGNEKELLSWRMDPQNSYSDWDLHIKSLNHEETQ
VYHVHKHILAVGKHKGSFFAQSFNSEEV SLEQK GCTTILLDCEAASVVPFVLDVFVYLGGD
ELEISNENSVPLHYVARVLGISTLIETTT SFIENDISLDNIVDYIIDAGYKDDKTMTLA
TRKCTQEITSICVDS DILQNI EPEIFEEIVSSEDIKQSEKCHVNVLITKYFSLHDFQGNS
AENLLKCIDVDQVDQFSALTLLNILSGSKNYEGVETFEKMKKSCAFVITENWADLTEDNI
RREEVFSMFP SLNADLLTTMFD AVDC KYRIEYTESMTIQGELVDRYRKQAAEANRLRHEE
VASLRRELEARTTKMLSLQKALEGKLEQVDRALNRRTTRGTAAITSMWPWRKTTKNFDVL
RDEKRTILEALSEQHTVLI SPQSERQESFPDS DKSEDEDNDWYQDEEGDKNKAIEMEKKK
EGVFSPTHSGDFEKT DAGGVQNNISDEQSTVLQKNKSKAA

>comp11411_c0_seq1; 360 215 2400 LEN=2574; minus strand; translated

MTL FQFGWCF FLPVVISK GDSIKNL PKTTIEISP YII LSLVVFSSNVCKSASARYV SFPT
KVIFRSTKLI PVMIVASILNINDNR TYGRSDFLAAALLCAGAAGYSFGEHSLNDDK KDSY
FGILLTGSVLCDAFTPNIQQWLMHPATE SPGQKRKNSLQSLPSSSSLSLTPSLPDI I I
SDSSTGREN ETVVAPRFFSRGPGILKKRGLGLSVSTLMTNAYAVGCIGLLLFMGVTHRLE
DAIVEAMVRPHLFGNLT LIGVSLSVAVFARTRLIKESGAVTAVTVTTLREFVTVLLSYLI
YPKIFSKLHAVSALLVFGGILLSSYSESQTGHEASNGGKRNAVAGS XDSYSNKI IKTGS
VATRPSNYLLQRVGYAAXIVHSFLSQKIITTRLRWPVAHGTGRGLLGIAATPRATGVSTA
GRSATADGHPKREATPRWDPAGNLADHALRGHAREPDHPGSGQRRHEESLAPGNVLESL
DHPDVVHSLGKSHQASAGDAELLSV FQVPAHERAPXPLEDVSPAGQRLQDEPLAAEKAA
RHGPGELHADIDRMGTAQEGP LLAHQ LPPVLVDVEPENLGRKIGPECHGAGGSGWSPVGI
VADEKVLPREHALEALREAPAGRGIDGHVFGHVHHPGLGPQHLVGSEADGDDLGLAPLD
PALGVEIDGQPDHPVLAGVPGRPASAAAPSTTAGLSEEEPERHRAEGRNHGAGRAADAAA
FLPASTEG

>comp11412_c0_seq1; 179 367 600 LEN=749; translated

MTVATPFLDFAQEDHHHRGKAGTESGSSGSSKTATGSEAGAMGPGERTRAVLLRRRANED
RSDCLLRHSFVVKAVVC

>comp11413_c0_seq1; 478 389 2467 LEN=3218; translated

MRAPVSARVAILAMSIYSAVLLLLLVPGPAKASSPYRVPSHRQRRSGTAPRGDPPLSRRR
RRRV DADD CDGSSGESDGDGGEYDVFFPSLDDSDG SFHSPSSP SHFDPDEAVSSSSDEF L
DVEDLGRS NSNGSSAKKRPRSNRRR KLEKAEQILEALEREQELGSRSLRSIKKPKRKP
SSLRKGSSSTRKRRRRKKKTKKRN AKLSNKRSGTGGEVKSDNSLNEKEFGSTNHIAATSS
GESKPMAGAAV SPTMPRASSFASAPKSHPDRTTWEVPSYSHKISTMMKKSHTTSPTKQPQ
TNKPKMATTVPKTT SATTGIVQRPVSAPGSPAFVTPRKT TAAPIPAVG SVARTKQGSPA
TTS GTTSGTTPWVRKFLAGRPKDRLLPLPRDYISDNFNLAQLPPIVERIGYEAMGDNAIS
VAKALQQHRIAKAAEAE SNGTTQSKSASSYVIYRRALHLILKEEGEENDSMVEEDLIIPP
YAVQKAAETLYLMLHARFVVSPRGLEAIRHVMAQDNTVFGK CPRSTCRGTGLLPYGYSND
YTS DATIPTVTSAMRKEHDS CCHRYCPCSGEVWISWESKTDGCAWGPSWCHLFLLAFTQ
VYARELAEAA SRRESLSSYTPPPSVVPSPLSRSFLSRRGSI TNDTSDSSVENDPDAVFSS
RPTPSVFGFR IHPTTAFGRPLNEPTLRGGSYE

>comp11413_c0_seq2; 478 365 2443 LEN=3194; translated

MRAPVSARVAILAMSIYSAVLLLLLVPGPAKASSPYRVPSHRQRRSGTAPRGDPPLSRRR
RRRV DADD CDGSSGESDGDGGEYDVFFPSLDDSDG SFHSPSSP SHFDPDEAVSSSSDEF L
DVEDLGRS NSNGSSAKKRPRSNRRR KLEKAEQILEALEREQELGSRSLRSIKKPKRKP
SSLRKGSSSTRKRRRRKKKTKKRN AKLSNKRSGTGGEVKSDNSLNEKEFGSTNHIAATSS
GESKPMAGAAV SPTMPRASSFASAPKSHPDRTTWEVPSYSHKISTMMKKSHTTSPTKQPQ
TNKPKMATTVPKTT SATTGIVQRPVSAPGSPAFVTPRKT TAAPIPAVG SVARTKQGSPA
TTS GTTSGTTPWVRKFLAGRPKDRLLPLPRDYISDNFNLAQLPPIVERIGYEAMGDNAIS
VAKALQQHRIAKAAEAE SNGTTQSKSASSYVIYRRALHLILKEEGEENDSMVEEDLIIPP
YAVQKAAETLYLMLHARFVVSPRGLEAIRHVMAQDNTVFGK CPRSTCRGTGLLPYGYSND

YTSDATIPTVTSAMRKEHDS CCHRYCPCSCGEVWISWESKTDGCAWGPSWCHLFLLAFTQ
VYARELAEASRRESLSSYTPPPSVVPSPLSRSFLSRRGSI TNDTSDSSVENDPDAVFSS
RPTPSVFGFRIHPTTAFGRPLNEPTLRGGSYE

>comp11414_c0_seq1; 485 121 1479 LEN=1649; translated
MIENATSEDRDGEMIPDTKSFNIVLNALAQGRERESEVRAEELLQRMEVLSLTYDCKPDN
TSFNTVLNGWASSRHRGSAQRAIAILEHMKKRYDAGLTKVHPDESTYNTVLKALAKSRDE
DAINQAESIFEYYLEACESGKLNLSHNAFTYNSMMNCYARSNHPEAAKRSMELFETMKAN
SGKPGWELCFVDVFTYNTLINVISKEESYDASEQAI SLLKEFEQSF AETGDVRF RPNIRL
YTSVVKAI GRSKNTQRAQDIVDRV ESSYIKGLTHWEGKPDVSFYNALINAYGWS DMEGR
SEKCLGVLKHMVSLFESGTLDDAKPDTVSFN SILNACAHETAKGQSKSDS IMKIAVETFD
LLNSSTEYGNPDQNTYVQVLICVATHMAKNDEKRSSMAEATFLQCAARGLVGP NIVAKLF
AAVSNRHF KALMG PASYGGSKLRFDMAKL PSEW

>comp11414_c0_seq2; 704 172 2523 LEN=2585; translated
MRLRLSGATLLAVVSLSRCHAYFAGEQIVRAKPGTASIDVRGWRAATSTRPLGKDSRPVP
TCLFSSSSEAAEAPSGELLAIEIVTL CGADEF GKAIEVLQKESTGAHLKSCYATILKSLAK
REEQVEEQRRRDKASVGIASSQSASEKEPDRHLLAGNILDALLELGDSNDELLPTNEDFN
TVIKMWGSSTYLENASTRCAASVEELWRLYDKKREERYVPLKESYLYTIKACSQRDRSGD
AAKLAERMMSKMKLS SEDYPHLTPDRSIANEVINAWGKSGRKYEQGLRSQSVLEKMIENA
TSEDRDGEMIPDTKSFNIVLNALAQGRERESEVRAEELLQRMEVLSLTYDCKPDNTSFNT
VLNGWASSRHRGSAQRAIAILEHMKKRYDAGLTKVHPDESTYNTVLKALAKSRDEDAINQ
AESIFEYYLEACESGKLNLSHNAFTYNSMMNCYARSNHPEAAKRSMELFETMKANSKPG
WELCFVDVFTYNTLINVISKEESYDASEQAI SLLKEFEQSF AETGDVRF RPNIRLYTSV
KAI GRSKNTQRAQDIVDRV ESSYIKGLTHWEGKPDVSFYNALINAYGWS DMEGRSEKCL
GVLKHMVSLFESGTLDDAKPDTVSFN SILNACAHETAKGQSKSDS IMKIAVETFDLLNS
TEYGNPDQNTYVQVLICVATHMAKNDEKRSSMAEATFLQCAARGLVGP NIVAKLFAAVSN
RHF KALMG PASYGGSKLRFDMAKL PSEW TQNAGSRQRSSRRRQQNFQVTKNVISNSKR
RKQ

>comp11414_c0_seq3; 307 172 1402 LEN=1402; translated
MRLRLSGATLLAVVSLSRCHAYFAGEQIVRAKPGTASIDVRGWRAATSTRPLGKDSRPVP
TCLFSSSSEAAEAPSGELLAIEIVTL CGADEF GKAIEVLQKESTGAHLKSCYATILKSLAK
REEQVEEQRRRDKASVGIASSQSASEKEPDRHLLAGNILDALLELGDSNDELLPTNEDFN
TVIKMWGSSTYLENASTRCAASVEELWRLYDKKREERYVPLKESYLYTIKACSQRDRSGD
AAKLAERMMSKMKLS SEDYPHLTPDRSIANEVINAWGKSGRKYEQGLRSQSVLEKMIENA
TSEDRDGEMIPDTKSFNIVLNALAQGRERESEVRAEELLQRMEVLSLTYDCKPDNTSFNT
VLNGWASSRHRGSAQRAIAILEHMKKRYDAGLTKVHPDESTYNTGXDAVDR

>comp11415_c0_seq1; 759 1 2102 LEN=2362; translated
XRKGFTHPFLKTAFCFSSDRIVVIDQDKVKPNSEAFKYFKRHAGGCGKQGCISIIIGKKV
VSEYACAVCVNRCKQAPGDAVS VVKLP SNLTTDTT HRYGPNTFKLHGLPVPRPGHV LGLL
GTNGTGKSTGLKILAGRLKPNLGIYAGSSEGSPEWSDIVAYYRGS DLQNYFKGLVNDK L
SIAMKPQLEARFTRALKGKTVRHHMEIRDERKMMDRYAKDL DLLHLLDRNVEDLSGGELQ
RFAVACTLCRKADVYMFDEISSFLDVKQRLQATTLIRSLVHEQESQVEEWPGEAHAASK
YVIVVEHDLAILDYMSDFIQCMYGT PGAYGVVTARSVRNGINQFLAGYIATDNMRFRD H
ELTFKVTSMDFNASGNNDGDDEEEKKDEGKKRKDDESSSGNVLRYP SMSHTRS SRKNEKGE
IVSSFTLHVESGSFRDGE CIVLLGENGTGKTTFMELLAGKTREQRGKEAAIGSYDADHYK
GGDHKPSLAALGVSYKVQGMNPKVRKFGGT VQQFLEQE INRSLSDRLFRLLVLRALNLEE
LFDLPVRSLSGGEMQCLAI CVCLGTPALVYLIDEPSAALDCEQRIVA AKVMKRWV VNH LG
RTIFLVEHDFVMASAMADRVI VYQGRPGIEATAGSPTSLADGFNRFL ENLDVTFRKDP IN
CRPRINKNSRIDKIQKQNGEYMF DIVEGGDEDIDDDDI

>comp11415_c0_seq2; 871 165 2270 LEN=2530; translated
MVAKKINRKTGKDEQEEKRIVVIDQDKVKPNSEAFKYFKRHAGGCGKQGCISIIIGKKV
VVSEYACAVCVNRCKQAPGDAVS VVKLP SNLTTDTT HRYGPNTFKLHGLPVPRPGHV LGLL
LGTNGTGKSTGLKILAGRLKPNLGIYAGSSEGSPEWSDIVAYYRGS DLQNYFKGLVNDK L
LSIAMKPQLEARFTRALKGKTVRHHMEIRDERKMMDRYAKDL DLLHLLDRNVEDLSGGEL
QRFAVACTLCRKADVYMFDEISSFLDVKQRLQATTLIRSLVHEQESQVEEWPGEAHAASK
KYVIVVEHDLAILDYMSDFIQCMYGT PGAYGVVTARSVRNGINQFLAGYIATDNMRFRD
HELTFKVTSMDFNASGNNDGDDEEEKKDEGKKRKDDESSSGNVLRYP SMSHTRS SRKNEKGE
EIVSSFTLHVESGSFRDGE CIVLLGENGTGKTTFMELLAGKTREQRGKEAAIGSYDADHY
KGGDHKPSLAALGVSYKVQGMNPKVRKFGGT VQQFLEQE INRSLSDRLFRLLVLRALNLEE
ELFDLPVRSLSGGEMQCLAI CVCLGTPALVYLIDEPSAALDCEQRIVA AKVMKRWV VNH LG
GRTIFLVEHDFVMASAMADRVI VYQGRPGIEATAGSPTSLADGFNRFL ENLDVTFRKDP I

NCRPRINKKNSRIDKIQKQNGEYYMFDIVEGGDEDIDDDDI
>comp11416_c0_seq1; 449 1132 3225 LEN=3713; translated
MSRRRQTKNTGSMAAWKSLLVLCVVLASLVPGCIGQGESKEQIFARLAKDMQDNPRDAS
ARYLMAQFLMMYRGMESGVELLMSSFDANQVDTALGMQNPVQGF IASNFLTRYHQEWHNH
EAKNFFANMAYFLSRQMSGEMDIAEMCTQVHLATMLNSYPLTNEEVDESAAHMEEWSKKL
LDIFDKKHPNAQLDEEFMSQNVLGFAGDPYVHCMLTLFPLSFMYRADVAKLANLNFVGV
RVWPKLLHTAEHVRKYEEEEQKLASRDTNGGLPSQKCIDGKIKLGIVSATLSRGHSVAEDF
GGVIQRLDRNVFDVTFVYIHEKSDPGEDEDFVTANPEDKLIHYQKLDGTDNRDGAWPRRI
GKDI EELKFDMIFYPELTMS SIVRRLGMERLAPVQINSHGHPVTSGHPREIVQHFSWAE
AELPLEQSQTHYTEELQLIPKGKIHQYTPRVETGPKGKRISRMTQMPFDHYTRKDYPEF
SDAIQNSTPEDDDIHLYVCMQKPFKLFPEFDELVCGILQKDPMGHAVLHKEDMKGNTGIF
EKRMRAGCDMDRVHFLPTQPPHKLLALYDTASVIIDSYPAGGCTTTREALELKGAVVTW
PARLLGGRWTLGLYHTIGLDEDARNRLVADSKEDYISKAVELGTNRSLRKSVESSILEAV
PTLFGRYEAVEEWEKILKRVSPVKQCS DGSGGERDEL
>comp11417_c0_seq1; 302 389 1003 LEN=1229; translated
MNQVFDSFLVSSESTYELSTAWFGDISAQILFEEAGSEHHQMARRLTEIDTKTINNVEL
PFGSKNACLKRSFEQEVLSQDCANSIRMLEHTFFLETEM SRQKEAFVSRFLFYNYLYLIF
LLLLARYISARRLNRRRLKRKILETVYANPSIRKQIELEIGETIDYGTKEHTSLVSRRGE
KVIQNKGLLHPKNIVCEGIPVQIV
>comp11417_c0_seq2; 355 159 1076 LEN=1302; translated
MLTMQSYSGNIIFLLL VATNAHASDAIQSQANHDDLELLSHAAYHKVETFCARDVERYCF
PKENPLPIFFLSGDPILDWIFVVSAPSANVPSAPEDHEIDHFMNQVDSFLVSSESTYELS
TAWFGDISAQILFEEAGSEHHQMARRLTEIDTKTINNVELPFGSKNACLKRSFEQEVLS
QDCANSIRMLEHTFFLETEM SRQKEAFVSRFLFYNYLYLIFLLLLARYISARRLNRRRLK
RKILETVYANPSIRKQIELEIGETIDYGTKEHTSLVSRRGEKVIQNKGLLHPKNIVCEGI
PVQIV
>comp11418_c0_seq1; 360 77 1081 LEN=1860; translated
MKS KLALIVAINSVIVISDAL TIVPPTGKNVANPRLSSLLPNQIKASSITDEKESDCTDT
VASGSNLLRLRGDGTPLVPHSKALIREMLAELLGTFLIVFIGTGSVSSAIFTDSLVLGF
QIASVWIIAVTIAICTTASISGAHLNPAVSI AFAMVRPSKSFNWKVLPYSISQCFGAIL
GSWLN FVVYGS SIAVFEAKNEIIRGAASGIASAKAFGEYFAAPVSTMTAFLAESIGTAIL
AFVIFSLTHPKNDTMESNFVPP LIGLTVGGLIAVFAPLTQAGFNPARDFGPRIVAWFAGW
KTVAFRSAWLYIVAPIVGA VLGATLADKVL YAND
>comp11419_c0_seq2; 734 1 2764 LEN=2911; translated
XFV LCLQNQTEPDRHTLAGWFLQ GAYRAFYSYLRNDGMCRVVGIPEDQLKIASLGKARLD
KGYPSAQKVISYGVPRGLATALAPFQRGGVEFVVEKEGRALIADDMGLGKTIQSIASMSV
YHDEWPLLILTPSTARYHWAAEFMNWL GSESSVNOGRAAGAGNGGTADPDNDKAEGEDCA
ITHPPRAPMRLKKESEIHVLVAGKEKVFPTSDVRIVICSYGLATSLIESKIFPGLFKCA
IVDESHMLKNIKTKRTKMLIPILHATNRCVLLSGTPALARPTELWPQLKILSTERD GWW
DEDDFVRKYVQTSSAIRRAELHTMLTGTVMIRRLKHEILKSLPNKQRERAI DVLT PPMR
EDFRRYMELLRQKGVMMAKIAKRNKQNPNTNHPDPNPSNQIEAKREKIALLNIEYNEIY
RKKLQDIEAVVRTVRMTDEEKQHLMGKYETE VKNEVD AWYTERANEIRDAQPAEAENKLN
DRKSILNKMYAMTAEAKTPLIAEMVGKWLDDPTKGKLCVFAHHIKVLDEIINRVGLSNKS
GSKKR FIRIDGSTSPKERQSQIVAFQNDPEVRIAVLGITAAGVAVTLTASSTVWF AELFW
TPALMIQAEDRCHRIGQ NATVRCLYFVASGTL DVLLWDLLEKKFQDLGEFVEGREKMKIV
VKKTYGSI EEFRSIFDRASDDDLDDVKLGENENLTNSEDLSKLENDLRNDIVQLAE EEMR
LVSHGEDEEGTDTKIGGNALQKKSAPAAK SGLGQTEDEAICLSDDEDENPPQNQDASAAV
PSEQAQPNENGFQYSRMRPLKCR IYKQYFEGSTFGIQLLYVDHRLTIARNNVGKIKPSV
GDVLVAVNGNRLPFGCRLDQVCR YMKAQLNHGAVELTFIEDEPFVKYRMSDIKARDLIC
NPKEFHKKPEDDVIELVDDD
>comp11419_c0_seq3; 855 1 3101 LEN=3248; translated
XEFPLPSLPVQPTQSHSQHKHFELSLLN VSEFTITGLPLSLDGRPSSVLGFRKIIKEVSR
GHGKCVFERDHRADRPPSGGRSPPSEGEQ GALGDPQNNPDGKWR IPLGAYRAFYSYLR
NDGMCRVVGIPEDQLKIASLGKARLDKGYPSAQKVISYGVPRGLATALAPFQRGGVEFV
EKEGRALIADDMGLGKTIQSIASMSVYHDEWPLLILTPSTARYHWAAEFMNWL GSESSV
NOGRAAGAGNGGTADPDNDKAEGEDCAITHPPRAPMRLKKESEIHVLVAGKEKVFPTSDV
RIVICSYGLATSLIESKIFPGLFKCAIVDESHMLKNIKTKRTKMLIPILHATNRCVLLSG
TPALARPTELWPQLKILSTERD GWWDEDDFVRKYVQTSSAIRRAELHTMLTGTVMIRRL
KHEILKSLPNKQRERAI DVLT PPMREDFRRYMELLRQKGVMMAKIAKRNKQNPNTNHP
DPNPSNQIEAKREKIALLNIEYNEIYRKKLQDIEAVVRTVRMTDEEKQHLMGKYETE VKN

EVDAWYTERANEIRDAQPAEAEENKNLDRKSILNKMYAMTAEAKTPLIAEMVKGWLDLDDPTK
GKLCVFAHHIKVLDEIINRVGLSNKSGSKRFRIDGSTSPKERQSQIVAFQNDPEVRIA
VLGITAAGVAVTLTASSTVWF AELFWTPALM IQAEXYVDRIINAERSYDEYNLSLVFVRLA
KDRCHRIGQONATVRCLYFVASGTLVDLLWDLLEKKFQDLGEFVEGREKMKIVVKKTYGSI
EEFRSIFDRASDDDLDDVKLGENENLTNSEDLSKLENDLRNDIVQLAEEMRLVSHGEDE
EGTDTKIGGNALQKKSAPAAKSGLGQTEDEAICLSDDDEDENPPQNQDASAAVPSEQAQPN
ENGFQYSRMRPLKCKRIYKQYFEGSTFGIQLLYVDHRLTIARNNVGKIKPSVGDVLVAVN
GNRLPFGCRLDQVCRYMKAQLNHGAVELTFIEDEPFVKYRMSDI IKARDLICNPKEFHNK
KPEDDVIELVDDD

>comp11419_c0_seq4; 641 1 2842 LEN=2989; translated
XFVLCQLQNQTEPDRHTLAGWFLQAYRAFYSYLRNDGMCRRVVGIPEDQLKIASLGKARLD
KGYPSAQKVISYGVPRGLATALAPFQRGGVEFVVEKEGRALIADDMGLGKTIQSIASMSV
YHDEWPLLILTPSTARYHWAAEFMNWLGSSESVNQGRAAGAGNGGTADPDNDKAEGEDCA
ITHPPRAPMRLKKESEIHVLVAGKEKVFPTSDVRIVICSYGLATSLIESKKIFPGLFKCA
IVDESHMLKNIKTKR TKMLIPILHATNRCVLLSGTPALARPTELWPQLKILSTERDGGWWD
DEDDFVRKYVQTSSAIRRAELHTMLTGTVMIRRLKHEILKSLPNKQRERAIVDVLTTPMR
EDFRRYMELLRQKGVMAKIAKKNKQNPNTNHPDPNPSNQIEAKREKIALLNIEYNEIY
RKKLQDIEAVVRTVRMTDEEKQHLMGKYETEVEKNEVD AWYTERANEIRDAQPAEAEENKNL
DRKSILNKMYAMTAEAKTPLIAEMVKGWLDLDDPTK GKLCVFAHHIKVLDEIINRVGLSNKS
GSKRFRIDGSTSPKERQSQIVAFQNDPEVRIA VLGITAAGVAVTLTASSTVWF AELFW
TPALM IQAEXYVDRIINAERSYDEYNLSLVFVRLAKDRCHRIGQONATVRCLYFVASGTLVD
LLWDLLEKKFQDLGEFVEGREKMKIVVKKTYGSI EEFRSIFDRASDDDLDDVKLGENENL
TNSEDLSKLENDLRNDIVQLAEEMRLVSHGEDEEGTDTKIGGNALQKKSAPAAKSGLGQ
TEDEAICLSDDDEDENPPQNQDASAAVPSEQAQPNENGFQYSRMRPLKCKRIYKQYFEGST
FGIQLLYVDHRLTIARNNVGKIKPSVGDVLVAVN GNRLPFGCRLDQVCRYMKAQLNHGAV
ELTFIEDEPFVKYRMSDI IKARDLICNPKEFHNK KPEDDVIELVDDD

>comp11419_c0_seq7; 959 1 3023 LEN=3170; translated
XEFPLPSLPVQPTQSHSQHKHFELSLNVSEFTITGLPLSLDGRPSSVLGFRKIIKEVSR
GHGKCVFERDHRADRPSPGGGRSPSEGEQALGDPQNNPDGGKWR IPLGAYRAFYSYLR
NDGMCRRVVGIPEDQLKIASLGKARLDKGYPSAQKVISYGVPRGLATALAPFQRGGVEFV
EKEGRALIADDMGLGKTIQSIASMSVYHDEWPLLILTPSTARYHWAAEFMNWLGSSESVN
QGRAAGAGNGGTADPDNDKAEGEDCAITHPPRAPMRLKKESEIHVLVAGKEKVFPTSDVR
IVICSYGLATSLIESKKIFPGLFKCAIVDESHMLKNIKTKR TKMLIPILHATNRCVLLSG
TPALARPTELWPQLKILSTERDGGWWDDEDDFVRKYVQTSSAIRRAELHTMLTGTVMIRRL
KHEILKSLPNKQRERAIVDVLTTPMREDFRRYMELLRQKGVMAKIAKKNKQNPNTNHP
DPNPSNQIEAKREKIALLNIEYNEIYRKKLQDIEAVVRTVRMTDEEKQHLMGKYETEVEKN
EVD AWYTERANEIRDAQPAEAEENKNLDRKSILNKMYAMTAEAKTPLIAEMVKGWLDLDDPTK
GKLCVFAHHIKVLDEIINRVGLSNKSGSKRFRIDGSTSPKERQSQIVAFQNDPEVRIA
VLGITAAGVAVTLTASSTVWF AELFWTPALM IQAEDRCHRIGQONATVRCLYFVASGTLVD
LLWDLLEKKFQDLGEFVEGREKMKIVVKKTYGSI EEFRSIFDRASDDDLDDVKLGENENL
TNSEDLSKLENDLRNDIVQLAEEMRLVSHGEDEEGTDTKIGGNALQKKSAPAAKSGLGQ
TEDEAICLSDDDEDENPPQNQDASAAVPSEQAQPNENGFQYSRMRPLKCKRIYKQYFEGST
FGIQLLYVDHRLTIARNNVGKIKPSVGDVLVAVN GNRLPFGCRLDQVCRYMKAQLNHGAV
ELTFIEDEPFVKYRMSDI IKARDLICNPKEFHNK KPEDDVIELVDDD

>comp11420_c0_seq1; 201 2114 2458 LEN=2590; translated
MQISYLEIVTTDVDAACELYATLHSTTFGDADPSLGGARTAQIAGGGLLGVRSPMHAGEK
AVTRAYTLVDDIKVAVATLEAAGAVI AVPPMEIPERGWCAIYFLGGIEAGLWQR

>comp11420_c0_seq2; 480 1949 3430 LEN=4673; minus strand; translated
MEQRSGRKERSQTFKWFSSSTLLYYFCDRMAMYMNHRYYTKLVSSSVVWGKKGSKLIILKL
QRPVLF EFKAGQYAYLRISTINNEWHPF SIASRPDSSNLEFYIEVHEGKTWTKHLWNLFD
DEVTSGSFDVASLKI EVMGPYGSLSRQNYSHTLAIGAGTGVPVILSMYKEHMHKLVS
AQIFCCLRYFTIAFQTCFALVSIFFWNADGILAYVDVVFVVISPFADWYWIEVCSDFQKL
LPSDITLFSILIWYMIGRFWVKAVSPNQSVRYRVTKHVQSSQVDQLKFLWITRSASQVSE
ILPDI LMLWDLVVKWGIENAQKVKITIHVTPNELSCALLRKEYENSEFFRNGGIIFR
RPNLRRVIEDHTIELINSRVNSHSLLAFCGSPSL SNEIEYNKISNDVITAMTGHSSQSHMM
DFVSESYGGKKAASSNKKRKKGD TLSLEIDHDDDEDGVEVQLLTSRKNLSYYSNESCLDCL
SFM DIQKSFEISV

>comp11420_c0_seq3; 504 1949 3575 LEN=4818; minus strand; translated
MEQRSGRKERSQTFKWFSSSTLLYYFCDRMAMYMNHRYYTKLVSSSVVWGKKGSKLIILKL
QRPVLF EFKAGQYAYLRISTINNEWHPF SIASRPDSSNLEFYIEVHEGKTWTKHLWNLFD

DEVTSGSFDVASLKIEMGPGYSSLSRQNYSHSTLAIGAGTGVPILSMYKEHMHKADAN
LQEDDHETIYKSATAATLPIYGSVVLSSLPVLGVALFALMIPGALVSATQIFCCLRYFTI
AFQTCFALVSIFFWNADGILAYVDVVFVVISPFADWYWIEVCSDFQKLLPSDITLFSILI
WYMIGRFWVKAVSPNQSVRYRVTKHVQSSQVDQLKFLWITRSASQVSEILPDILMLWDL
VVKWGIENAQKVCKITIHVTDPNELSCALLRKEYENSEFFRNGGIIFRRPNLRRVIEDHT
IELINSRVNSHLLAFCGSPSLSNEIEYNKISNDVITAMTGHSQSHMMDFVSESYGGKKA
ASSNKKRKKGDTLSLEIDHDDDEDGVEVQLLTSRKNLSYYSNESCLDCLSFMDIQKSFEIS
V

>comp11420_c0_seq4; 504 1949 3575 LEN=4848; minus strand; translated
MEQRSGRKERSQTFKWFSSSTLLYYFCDRMAMYMNHRYYTCLVSSSVVWGKKGSKLIILKL
QRPVLFEFKAGQYAYLRISTINNEWHPFASIARPDSSNLEFYIEVHEGKTWTKHLWNLFD
DEVTSGSFDVASLKIEMGPGYSSLSRQNYSHSTLAIGAGTGVPILSMYKEHMHKADAN
LQEDDHETIYKSATAATLPIYGSVVLSSLPVLGVALFALMIPGALVSATQIFCCLRYFTI
AFQTCFALVSIFFWNADGILAYVDVVFVVISPFADWYWIEVCSDFQKLLPSDITLFSILI
WYMIGRFWVKAVSPNQSVRYRVTKHVQSSQVDQLKFLWITRSASQVSEILPDILMLWDL
VVKWGIENAQKVCKITIHVTDPNELSCALLRKEYENSEFFRNGGIIFRRPNLRRVIEDHT
IELINSRVNSHLLAFCGSPSLSNEIEYNKISNDVITAMTGHSQSHMMDFVSESYGGKKA
ASSNKKRKKGDTLSLEIDHDDDEDGVEVQLLTSRKNLSYYSNESCLDCLSFMDIQKSFEIS
V

>comp11420_c0_seq5; 480 1949 3430 LEN=4703; minus strand; translated
MEQRSGRKERSQTFKWFSSSTLLYYFCDRMAMYMNHRYYTCLVSSSVVWGKKGSKLIILKL
QRPVLFEFKAGQYAYLRISTINNEWHPFASIARPDSSNLEFYIEVHEGKTWTKHLWNLFD
DEVTSGSFDVASLKIEMGPGYSSLSRQNYSHSTLAIGAGTGVPILSMYKEHMHKLVSA
TQIFCCLRYFTIAFQTCFALVSIFFWNADGILAYVDVVFVVISPFADWYWIEVCSDFQKL
LPSDITLFSILIWYMIGRFWVKAVSPNQSVRYRVTKHVQSSQVDQLKFLWITRSASQVSE
ILPDILMLWDLVVKWGIENAQKVCKITIHVTDPNELSCALLRKEYENSEFFRNGGIIFR
RPNLRRVIEDHTIELINSRVNSHLLAFCGSPSLSNEIEYNKISNDVITAMTGHSQSHMM
DFVSESYGGKKAASSNKKRKKGDTLSLEIDHDDDEDGVEVQLLTSRKNLSYYSNESCLDCL
SFMDIQKSFEISV

>comp11420_c0_seq6; 468 1949 3673 LEN=4916; minus strand; translated
MEQRSGRKERSQTFKWFSSSTLLYYFCDRMAMYMNHRYYTCLVSSSVVWGKKGSKLIILKL
QRPVLFEFKAGQYAYLRISTINNEWHPFASIARPDSSNLEFYIEVHEGKTWTKHLWNLFD
DEVTSGSFDVASLKIEMGPGYSSLSRQNYSHSTLAIGAGTGVPILSMYKEHMHKADAN
LQEDDHETIYKSATAATLPIYGSVVLSSLPVLGVALFALXDILEHYPNRNIP IHGDDIKV
SLRTYNLVVCRDRIIYNLVSATQIFCCLRYFTIAFQTCFALVSIFFWNADGILAYVDVVF
VVISPFADWYWIEVCSDFQKLLPSDITLFSILIWYMIGRFWVKAVSPNQSVRYRVTKHVQ
SSQVDQLKFLWITRSASQVSEILPDILMLWDLVVKWGIENAQKVCKITIHVTDPNELSC
ALLRKEYENSEFFRNGGIIFRRPNLRRVIEDHTIELINSRVNSHLLAFCGSPSLSNEIE
YNKISNDVITAMTGHSQSHMMDFVSESYGGKKAASSNKKRKKGDTLSLEIDHDDDEDGVEV
QLLTSRKNLSYYSNESCLDCLSFMDIQKSFEISV

>comp11420_c0_seq7; 468 1949 3673 LEN=4946; minus strand; translated
MEQRSGRKERSQTFKWFSSSTLLYYFCDRMAMYMNHRYYTCLVSSSVVWGKKGSKLIILKL
QRPVLFEFKAGQYAYLRISTINNEWHPFASIARPDSSNLEFYIEVHEGKTWTKHLWNLFD
DEVTSGSFDVASLKIEMGPGYSSLSRQNYSHSTLAIGAGTGVPILSMYKEHMHKADAN
LQEDDHETIYKSATAATLPIYGSVVLSSLPVLGVALFALXDILEHYPNRNIP IHGDDIKV
SLRTYNLVVCRDRIIYNLVSATQIFCCLRYFTIAFQTCFALVSIFFWNADGILAYVDVVF
VVISPFADWYWIEVCSDFQKLLPSDITLFSILIWYMIGRFWVKAVSPNQSVRYRVTKHVQ
SSQVDQLKFLWITRSASQVSEILPDILMLWDLVVKWGIENAQKVCKITIHVTDPNELSC
ALLRKEYENSEFFRNGGIIFRRPNLRRVIEDHTIELINSRVNSHLLAFCGSPSLSNEIE
YNKISNDVITAMTGHSQSHMMDFVSESYGGKKAASSNKKRKKGDTLSLEIDHDDDEDGVEV
QLLTSRKNLSYYSNESCLDCLSFMDIQKSFEISV

>comp11421_c0_seq1; 209 334 1506 LEN=1592; translated
MSILASLQQFRNHPVALSTNRNDENVKNEPRNFTITSNYKSETKIPIFYNLYIGNETDIP
RIRDLMSEQLSMRDPTIHTPVYITIGSEIDDKTLESFVYGSKNEAKADEIVHLRHVESG
NELLSLESLEWEHCSKEENHETSVVYLHSGSYSNTIENTRLRFFLTAGALSQDCAVGLAR
RSARKGMEVSHPRCNVCFSTRFSPLPHPTSGNMWAARCDYIAKLFHPSKFDARMRRFSPP
GSTRACIGRGRWAAEHVHTHTPTVEPCDLYTSNRFLFNYEHLPLNLSAKDVRKVLYGEGN
TNDGSSMMKLQEAPRFDLKTFSSTGICKDTGVGTLDMLRKEARVLYGYTADGSDRKEAGG
TGGKKNQSYNTMPLSWWGKFWNNGSTLV

>comp11422_c0_seq1; 245 51 443 LEN=723; translated

MKIYKSIFLLFALVLSAANAFTMDSQTGSAFLVLSQRARAYDAP TSAAPVRTGVSSLSMGG
KKAKFGIFSPAVYGAKIVLGTDLNKLGRKGISLHSSSTIGDFCQWAGAYHLR TKLIKKAK
TNGDILGFLV
>comp11423_c0_seq1; 257 389 838 LEN=1055; translated
MTSRNNNTQSSRELQKRGIRETIEGRIPKKIRRRSDSNGSAGSQREEEGAIVGNEEALLD
PVAARKALEMFQEVSGEPVLSSEEAKTSIEADERGQRNEPVGRDTENSQEKKKIEEEKAK
QKERMEAGEAIRRKFQPKIVSLQESNCLL
>comp11424_c0_seq1; 111 56 403 LEN=613; translated
MRGMPLAAAAYTRRALAASASSAARRSFALVPPARPASAAAARLIQRRATTGSVSSVFYLK
TLGEGHSGCGTRSRSRNHARKQGEFVETVVFVGLVGLPIGVLGIGGLCKMAGEGRL
>comp11424_c0_seq2; 231 422 987 LEN=1071; minus strand; translated
MPLVSFRPPTDGKNRDREQNNRHTRVATRPEEDLSVPPTARSSVARSVPSRFHTTQRNAT
QRNAMATPFRSVAPSLSQSPVALEPALSGLHAEAPDPQDADREAHQPHKDGLHKLALLPR
VVSASASRSASAPVFAQRLEEKTDETDPVVARWISLAAADAGLAGGTTAKDLLAAEDAD
AARALLV
>comp11425_c0_seq1; 519 231 1082 LEN=1131; translated
MFAASKTSSLLAARSAFRRSYAATQQAESTLVLVRHGESTWNLANKFTGWYDCPLSEAG
HVEAAEGGKLINEAGIKANVAFTSMQKRAIRTLWHVLEQTDRMWIPVTKSWKINERHYGG
LQGLDKQQTVDKYGKDQVLVWRRSYDVPPTVDKTSEHHPANDERYADLEEWPEEFTESL
ATTLDRVVPFWESTIAPELTDGKTVVIAAHGNSLRALVKHLDGIDESEIAELNIPTGTPL
VYELDDDLKPIPQEGAFSPLQGRYLGDDAIRARIEGVKNQTK
>comp11426_c0_seq1; 362 329 1387 LEN=1762; translated
MAKRMGIEENAPSRRANLANRDSASSDLVNDHSNPQEVGTGATKAVLRKKEGANVQNQRSA
LEKSTNSPNDLEERRKLFVGGPLTDITDPEFREFFSQFGELEALVMFNVRTRRSRGGF
VTFVDANVSKSLLQTDGQDGI GRLEIRGKTCEIKAAAPKGRAPTRGEKANRCYRGSHSY
HKAQARQLPPAAHNGQLPVVYPNGTYNLPFHQPHAYASAEYHTHMYHSNTVPHSHGQAY
PQASPYGLVMTADGDHGAADLIGTPYFSPSPVGMNPPPEQFSVLNWFSPAHQIPAHFHQQ
VRGFTPLIPDHLNLVHPVLEDGTSPIEPMEQDIEKMSTGQNVDRPLGLGEE
>comp11427_c0_seq1; 940 112 1830 LEN=2090; translated
MERLAKEQKRIAAKQKDGEDSADSFASKQEASASDMLNFLDRARKGEMVPPDAI IQYAE
FFQDDLTLDNMPRMLINMCKYMSIPPYGSDPFLRFQLRHRIRMLKEDDQRILWEGIDSL
TKMELREACQERGMRSTGLSKEAYKQSLQQLWDL SVHKNVPI SLLIMSRTFFLQEEITSP
GTAVASDETHSVTGLADAI SGMDKEVLNEVILQVATSKELKSDPDVRKIQLEVVKQONEK
IKEEREERDAKKKKDTTEKEEPQTKTAQIGKENIAEGRATQTADVETINKEEILD AIDVK
VDELQADLKTAAAEIEMGEREL SPEEMESISQLLSADPVVKEREHLDRIKQAMREDEPE
TKAEGHDDR IAASPGDTSTLEMYDSDKVASSIIEKLEMEAAKEADKHTSFTTELNTAGR
H PESDRVDIVNGDVAAEEVVNEKPEDPVVARLKKRIESMVDKIEVQLSDVQVKIGDKLHYLD
KDMDGILSREEMASVLSQVLKDL SFEEALEIADEMENDKDGVFTVQELINWIETNKLKVF
ESEGRDAEMDKIMENHSEGH SNEKDETGSNKK
>comp11427_c0_seq2; 1117 385 2721 LEN=3197; translated
MTYHQFLLNHNGSSKYNGSELNHLFPQYEVRAFLSTSPSSGSTTKKLEKSQTKIPGYS
RQAKIPIPKSSPTVSTSMNPLASIDVKAIGKGSVDMTIYVTKALVKFMIKLPGNIVFYAT
HPTERREKTSKIKESIKKEVDHYWIGIKLLMADVKTARALLRRTLQGSTLTRRERKQLLR
TVSDLFR LVPMSMFLIIPFMEFALPFALKIFPNMLPSTFQDSLKNEENMKRELQSR IAMA
EFFQETMERLAKEQKRIAAKQKDGEDSADSFASKQEASASDMLNFLDRARKGEMVPPDA
IIQYAEFFQDDLTLDNMPRMLINMCKYMSIPPYGSDPFLRFQLRHRIRMLKEDDQRILW
EGIDSLTKMELREACQERGMRSTGLSKEAYKQSLQQLWDL SVHKNVPI SLLIMSRTFFLQ
EEITSPGTAVASDETHSVTGLADAI SGMDKEVLNEVILQVATSKELKSDPDVRKIQLEVV
KQONEKIKEEREERDAKKKKDTTEKEEPQTKTAQIGKENIAEGRATQTADVETINKEEIL
DAIDVKVDELQADLKTAAAEIEMGEREL SPEEMESISQLLSADPVVKEREHLDRIKQAMR
EEDEPETKAEGHDDR IAASPGDTSTLEMYDSDKVASSIIEKLEMEAAKEADKHTSFTTEL
NTAGRHPESDRVDIVNGDVAAEEVVNEKPEDPVVARLKKRIESMVDKIEVQLSDVQVKIGD
KLHYLDKDMDGILSREEMASVLSQVLKDL SFEEALEIADEMVSFNILIHESREHMVQF
>comp11427_c0_seq3; 852 229 1827 LEN=2303; translated
MERLAKEQKRIAAKQKDGEDSADSFASKQEASASDMLNFLDRARKGEMVPPDAI IQYAE
FFQDDLTLDNMPRMLINMCKYMSIPPYGSDPFLRFQLRHRIRMLKEDDQRILWEGIDSL
TKMELREACQERGMRSTGLSKEAYKQSLQQLWDL SVHKNVPI SLLIMSRTFFLQEEITSP
GTAVASDETHSVTGLADAI SGMDKEVLNEVILQVATSKELKSDPDVRKIQLEVVKQONEK
IKEEREERDAKKKKDTTEKEEPQTKTAQIGKENIAEGRATQTADVETINKEEILD AIDVK
VDELQADLKTAAAEIEMGEREL SPEEMESISQLLSADPVVKEREHLDRIKQAMREDEPE

TKAEGHDDR IAASPGDTSTLEMYDSK VASSI IEKLEMEAAKEADKHTSFTTELNTAGRH
PESDRVDIVNGDVAAEEVVNEKPEDPVVARLKKRIESMVDKIEVQLSDVQVKIGDKLHYLD
KDMDGILSREEMASVLSQVLKDL SFEEALEIADEMVSFNILIHESREHMVQF
>comp11427_c0_seq4; 1031 385 2936 LEN=3412; translated
MTYHQFLLNHNGSSKYKNGSELNHLFPQYEVRAFLSTSPSSGSTTKKLEKSQTKIPGYS
RQAKIPIPKSSPTVSTSMNPLASIDVKAIGKGSVDMTIYVTKALVKFMIKLPGNIVFYAT
HPTERREKTSKIKESIKKEVDHYWIGIKXEFASYIITQPMYVRHALPFMYVFMKYDEPAA
RRFKLPSPFSETKEQFASXHLTLTYRKMIVGWIKMRTIKTASHGRRQNGSGFIKENATGI
YADTARTKTTPSNRVRLVPVGSVDVSHYPIHGIALPFALKIFPNMLPSTFQDSLKNEEN
MKRELQSR IAMAEEFFQETMERLAKEQKRIA AKQKDGEDESADSFASKQEASASDMLNFLD
RARKGEMVPPDAI IQYAEFFQDDLTLDNMPRMQLINMCKYMSIPPYGSDPFLRFQLRHR I
RMLKEDDQRILWEGIDSLTKMELREACQERGM RSTGLSKEAYKQSLQQWLDLSVHKNVPI
SLLIMSR TFFLQEEITSPGTAVASDETHSVTGLADAI SGMDKEVLNEVILQVATSKELKS
DPDVRKI QLEVVKQQNEKIKEEREERDAKKKKDTTEKEEPQTKTAQIGKENIAEGRATQT
ADVETINKEEILD AIDVKVDELQADLKTAAE IEMGEREL SPEEMESISQLLSADPVVKE
REHLDR IKQAMREED EPETKAEGHDDR IAASPGDTSTLEMYDSK VASSI IEKLEMEAAK
EADKHTSFTTELNTAGRH PESDRVDIVNGDVAAEEVVNEKPEDPVVARLKKRIESMVDKIE
VQLSDVQVKIGDKLHYLDKDMDGILSREEMASVLSQVLKDL SFEEALEIADEMVSFNILI
HESREHMVQF
>comp11427_c0_seq5; 852 112 1710 LEN=2186; translated
MERLAKEQKRIA AKQKDGEDESADSFASKQEASASDMLNFLDRARKGEMVPPDAI IQYAE
FFQDDLTLDNMPRMQLINMCKYMSIPPYGSDPFLRFQLRHRIRMLKEDDQRILWEGIDSL
TKMELREACQERGM RSTGLSKEAYKQSLQQWLDLSVHKNVPI SLLIMSR TFFLQEEITSP
GTAVASDETHSVTGLADAI SGMDKEVLNEVILQVATSKELKSDPDVRKI QLEVVKQQNEK
IKEEREERDAKKKKDTTEKEEPQTKTAQIGKENIAEGRATQTADVETINKEEILD AIDVK
VDELQADLKTAAE IEMGEREL SPEEMESISQLLSADPVV KEREHLDR IKQAMREED EP
TKAEGHDDR IAASPGDTSTLEMYDSK VASSI IEKLEMEAAKEADKHTSFTTELNTAGRH
PESDRVDIVNGDVAAEEVVNEKPEDPVVARLKKRIESMVDKIEVQLSDVQVKIGDKLHYLD
KDMDGILSREEMASVLSQVLKDL SFEEALEIADEMVSFNILIHESREHMVQF
>comp11427_c0_seq6; 940 229 1947 LEN=2207; translated
MERLAKEQKRIA AKQKDGEDESADSFASKQEASASDMLNFLDRARKGEMVPPDAI IQYAE
FFQDDLTLDNMPRMQLINMCKYMSIPPYGSDPFLRFQLRHRIRMLKEDDQRILWEGIDSL
TKMELREACQERGM RSTGLSKEAYKQSLQQWLDLSVHKNVPI SLLIMSR TFFLQEEITSP
GTAVASDETHSVTGLADAI SGMDKEVLNEVILQVATSKELKSDPDVRKI QLEVVKQQNEK
IKEEREERDAKKKKDTTEKEEPQTKTAQIGKENIAEGRATQTADVETINKEEILD AIDVK
VDELQADLKTAAE IEMGEREL SPEEMESISQLLSADPVV KEREHLDR IKQAMREED EP
TKAEGHDDR IAASPGDTSTLEMYDSK VASSI IEKLEMEAAKEADKHTSFTTELNTAGRH
PESDRVDIVNGDVAAEEVVNEKPEDPVVARLKKRIESMVDKIEVQLSDVQVKIGDKLHYLD
KDMDGILSREEMASVLSQVLKDL SFEEALEIADEMVDENKDG VFTVQELINWIETNKLKVKF
ESEGRDAEMDKIMENHSEGH SNEKDETGSNKK
>comp11427_c0_seq7; 1119 385 3056 LEN=3316; translated
MTYHQFLLNHNGSSKYKNGSELNHLFPQYEVRAFLSTSPSSGSTTKKLEKSQTKIPGYS
RQAKIPIPKSSPTVSTSMNPLASIDVKAIGKGSVDMTIYVTKALVKFMIKLPGNIVFYAT
HPTERREKTSKIKESIKKEVDHYWIGIKXEFASYIITQPMYVRHALPFMYVFMKYDEPAA
RRFKLPSPFSETKEQFASXHLTLTYRKMIVGWIKMRTIKTASHGRRQNGSGFIKENATGI
YADTARTKTTPSNRVRLVPVGSVDVSHYPIHGIALPFALKIFPNMLPSTFQDSLKNEEN
MKRELQSR IAMAEEFFQETMERLAKEQKRIA AKQKDGEDESADSFASKQEASASDMLNFLD
RARKGEMVPPDAI IQYAEFFQDDLTLDNMPRMQLINMCKYMSIPPYGSDPFLRFQLRHR I
RMLKEDDQRILWEGIDSLTKMELREACQERGM RSTGLSKEAYKQSLQQWLDLSVHKNVPI
SLLIMSR TFFLQEEITSPGTAVASDETHSVTGLADAI SGMDKEVLNEVILQVATSKELKS
DPDVRKI QLEVVKQQNEKIKEEREERDAKKKKDTTEKEEPQTKTAQIGKENIAEGRATQT
ADVETINKEEILD AIDVKVDELQADLKTAAE IEMGEREL SPEEMESISQLLSADPVVKE
REHLDR IKQAMREED EPETKAEGHDDR IAASPGDTSTLEMYDSK VASSI IEKLEMEAAK
EADKHTSFTTELNTAGRH PESDRVDIVNGDVAAEEVVNEKPEDPVVARLKKRIESMVDKIE
VQLSDVQVKIGDKLHYLDKDMDGILSREEMASVLSQVLKDL SFEEALEIADEMVDENKDG V
FTVQELINWIETNKLKVKF ESEGRDAEMDKIMENHSEGH SNEKDETGSNKK
>comp11427_c0_seq8; 1205 385 2841 LEN=3101; translated
MTYHQFLLNHNGSSKYKNGSELNHLFPQYEVRAFLSTSPSSGSTTKKLEKSQTKIPGYS
RQAKIPIPKSSPTVSTSMNPLASIDVKAIGKGSVDMTIYVTKALVKFMIKLPGNIVFYAT
HPTERREKTSKIKESIKKEVDHYWIGIKLLMADVKTARALLRRTLQGSTLTRRERKQLLR

TVSDLFRLVPMMSFLIIPFMEFALPFALKIFPNMLPSTFQDSLKNEENMKRELQSR IAMA
EFFQETMERLAKEQKRIA AKQK DGEDESADSFASKQEASASDMLNFLDRARKGEMVPPDA
IIQYAEFFQDDLTLDNMPRMQLINMCKYMSIPPYGSDPFLRFQLRHRIRMLKEDDQRI LW
EGIDSLTKMELREACQERGMRSTGLSKEAYKQSLQQWLDLSVHKNVPI SLLIMSRTFFLQ
EETSPTGTAVASDETHSVTGLADAI SGMDKEVLNEVILQVATSKELKSDPDVRKIQLEVV
KQONEKIKEEREERDAKKKKTTEKEEPQTKTAQIGKENIAEGRATQTADVETINKEEIL
DAIDVKVDELQADLKTAAE IEMGERELSP EEMESISQLLSADPVVKEREHLDRIKQAMR
EEDEPETKAEGHDDRIAASPGDTSTLEMYSDSKVASSIIEKLEMEAAKEADKHTSF'TTEL
NTAGRHPESDRVDIVNGDVAEEVVNEKPEDPVVARLKKRIESMVDKIEVQLSDVQVKIGD
KLHYLDKMDGILSREEMASVLSQVLKDL SFEEALEI ADEMENDKDG VFTVQELINWIET
NKLVKFESEGRDAEMDKIMENHSEGH SNEKDETGSNKK

>comp11428_c0_seq1; 346 248 1096 LEN=1482; translated
MKHTIAFSAFTAGFVLC LTL SLLCPVVALIPATPQEQT SRAIRSIKNAIDGRREEGKPV
RLFVDYLVPLPPETKAEDIDPWPGLAQMYPYAE EILSSILKGVVEDPVQQCSSQVISAP
DCCGFFVQESQTS AKNDVAA I LFP GVDQLQ QIEDIDAMVGKERTLIMFNKQFQRPADFGF
GSSDRSKNSIFNKYTQGF AFQEFACRGEDLKLTFEYPNWKSCV ICEEEDGNKEIPVLPDQ
IDRPNYEDLEKKINEVLPEPLWMRKMGEAE EKGFKFQRGSRD

>comp11428_c0_seq2; 231 375 752 LEN=1138; translated
MVGKERTLIMFNKQFQRPADFGFGSSDRSKNSIFNKYTQGF AFQEFACRGEDLKLTFEYP
NWKSCV ICEEEDGNKEIPVLPDQIDRPNYEDLEKKINEVLPEPLWMRKMGEAE EKGFKFQ
RGSRD

>comp11429_c0_seq1; 358 126 878 LEN=1357; translated
MLPPTS YTTLLLDMDGV LAEVSQSYRASIVATCHKY GANSVTLDVIGDCKAKGGCNNDWK
LSLDLINQDPNGQKGLTLDEVTETFE EFYQGTEGTPGLCELES LIPDKKILEELKKRSK
IGIVTGRPISDCEKFLKLHLGLDHLVDCSVC MEDGPAKPD PFPVLECCKRLGV EPSKSVL
VGDT PDDIRA AVAAGCSGVGVATPEAVEELATKGETYEKAKLCIAMKECGVDVIFEPGFE
KLIDYFPEVE

>comp11430_c0_seq1; 564 1 2522 LEN=2709; translated
ESFEFASVLLSTTVSWTGQNDRKLYTGRRSYIKSIDPAKXEKQAENSDCSSPTTSGEMM
RRIGNTCLTRGVSCSKI IERRRLLASSSPSKSRLQPEKITLDRHHGGGEHRDEV RPQNH
PDQRNSKRERSTAI PRDGLSLSDFVHRARHGDSDDLLEAATTASAQRTGGQPVGTFHIKT
YGCQMNVS DSDIVRAV LLENGYVEATLDNAKINSKNTINGNTRKQKKNRPWTPESTADII
LTNTCAIREKAEEKVWQRLRHLRKNKGS HQVVGVLGCMAERLQNQLLEENVADLVVGPDA
YRDLPRLLQQITGAETSATSHGERGNRNETTRSGDENGDDLQELGRQLLSDVPMQSETQQ
HRHHQDAIQGRIELRKPLRSKKEQKPRRPTAINVDLSTSETYDDIMPVRGDEASNPFSAF
VSIQRGCSNRCSFCIVPFTTRGGKERSRPFRSIVDEVSYMVETEDLKEVVLLGQNVNSYHD
RSPPALQERPEQNMLSLSNNGFRSR IRRPNIGGYRFVDLVEAVADISPELRIRYTS PHPK
DYPLELLQLMAERPNI CSQLHMPAQSGSTEMLKRMRG YTREAYIELIDAVRTVIPDVAI
SSDFIAGFCDETEEEHADTSLSLQYVEYEQAFLFAYSMRDKTHASRAMEDNVAADIKQRR
LQELIDVFRKVKHAKNERVEVGRRLRVLVEGPTKKQRADLPEGTATWHGRTDQNKRI LFD
VETNAEIAQT NATVWKEHHALEMLHQHQQQQQYFNLPLEQLATTRRTDLTPGDYAVVSVT
EAKGHTLRGRMLWKTTLSDFARFESNHLPKLQOEDLNNLQENLFRGWNTNFEEAASLRAK

>comp11430_c0_seq2; 134 1 882 LEN=882; translated
ESFEFASVLLSTTVSWTGQNDRKLYTGRRSYIKSIDPAKEKSKKQRTATVPXPPTTSGEMM
RRIGNTCLTRGVSCSKI IERRRLLASSSPSKSRLQPEKITLDRHHGGGEHRDEV RPQNH
PDQRNSKRERSTAI PRDGLSLSDFVHRARHGDSDDLLEAATTASAQRTGGQPVGTFHIKT
YGCQMNVS DSDIVRAV LLENGYVEATLDNAKINSKNTINGNTRKQKKNRPWTPESTADII
LTNTCAIREKAEEKXLA AVAPPEKEQGVSPGRGGTGLHGGAFAKPAIREKVEEKV

>comp11431_c0_seq1; 730 1 1550 LEN=1707; translated
XETPNKHNR CNKYEFKMI AARRIAQQAGVRAYSSTAGAFSAGKVTTVIGAVVDVQFPDK
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>comp11432_c0_seq1; 1203 340 2823 LEN=2897; translated
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>comp11432_c0_seq2; 1233 340 3010 LEN=3275; translated
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>comp11432_c0_seq3; 1203 221 2704 LEN=2778; translated
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>comp11432_c0_seq4; 524 387 1753 LEN=1827; translated
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>comp11432_c0_seq5; 951 340 2367 LEN=2367; translated
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>comp11432_c0_seq6; 951 221 2248 LEN=2248; translated
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>comp11432_c0_seq7; 625 387 1940 LEN=2205; translated
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>comp11432_c0_seq8; 1233 221 2891 LEN=3156; translated
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>comp11433_c0_seq1; 330 457 1814 LEN=2103; minus strand; translated
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>comp11433_c0_seq2; 486 457 2028 LEN=2317; minus strand; translated
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>comp11434_c0_seq1; 969 1 3222 LEN=3327; translated
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>comp11435_c0_seq1; 200 154 798 LEN=1001; translated
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>comp11436_c0_seq1; 601 380 3055 LEN=3118; translated
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>comp11436_c0_seq2; 589 380 2671 LEN=3254; translated
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>comp11438_c0_seq1; 432 216 1832 LEN=2159; translated
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>comp11439_c0_seq1; 922 1 3496 LEN=3700; translated
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>comp11439_c0_seq2; 319 1 1056 LEN=1233; translated
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>comp11440_c0_seq1; 1093 125 3163 LEN=3313; translated
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ILKVRGSTYAKLGVIGKGGCKVYRALS KKSVAIAIKKVKLAGMEKKAIEGYANEISLLK
RLRGNPAIIQMYDSEVDLQRKSI FVVMELGEVDLNVHLQQRALSERSRSLNMFIRLTWQ
QMLSAVHCIEHERIIHSDLK PANFLFVRGALKLIDFGIAKAI VNDTNTNIYRENHIGTLN
YMSPEAILDTGSGEDGPRMKIGRASDVWSLGCILYEMVYKTPFYKLFHQKLQAI VNP
HKIHFPEDEAEAAIHAMKLC LRRNPEERPPIVGKNGLLNDHWFLHSRRHPK
>comp11442_c0_seq1; 358 177 1118 LEN=1225; translated
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SYIPFQVTAYTEDGLERPIDCIIETPKHPKTIAMFN TASQQMPFDAAADDTRMISPYDAL
AKGPDAAHCDVVQGGMIKYYNFDADVESI QVYIRSPEYNMKAKLEITTGPN SVRQTYEV
YCSSGYKTPFYTVIQTPGMQPSTLRVINQNTVEFPFDAYVLPYRVGDAGMGATNENLWGW

EQPRPASNIMQW

>comp11443_c0_seq1; 376 453 1634 LEN=1634; minus strand; translated
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QRGDEASKPQQQRPFVSAAYPRKELTNSIVASRDTNISPAEVYETILRLRKERPGESGVT
ASGSVPPGRPRALDVGAGAGVSTQVIYDQLGYVDIDAIDWSGEAWRINVVEGGYCPPTVN
FYELDDERFVETVWKEEHLEKYDIIITFNFAVNRQKALYFCRNLLKPDGLLLAPVNAQTDY
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>comp11444_c0_seq1; 1465 86 4919 LEN=5107; translated
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KAAKDRDCSHCEGRNKPQLESDAQTPRKPPSPVITPTKAPATKPDERSSEPICALSLRTT
KKRKHLEGDPSSSKSVVTKKCAPDTTIATVQAIKESLSKTLTRWKKTSGMLSETEIAPVQ
NMLQRLDSDLVDTLEVLQTTLIGKVVVKLKKSNTKQRHLELKANALLEKWKSIASAGSNGQ
KISPSSLPSKRQASKKKQTQSQQPQHSFFNPRSVAKPSSATAATNKSAPKTTASSAVTN
PFFAPRRKIPSPADAVLAESKSLKRKLPKAVVDVLAVTGCGNEKDKSRNSATTRKRTAA
TSTEEAENLSPSTTKAIASIFQVKGSTLSSKQILAEQRRRAELAAARENERKKEQERQAKR
AALFRNTQANTKHSHTNDTGTNRPLSVCDDPEPSSRGTTRKKQHVGNKPLPPAAPRF
PVPNHVLRGPRGNGPSSSKPSVTMLPPDHPFRTRAACDVIANTVIEEAQPKPSVWLSSP
SALDTSVVPATRFTRIQHALLIETFSVAPSTVNMKPGALSLLPWSETYGMKDGVLGASS
QEIFRQLVEYIDHWRVARNDSLERAAERHRKLRGKRRSSRKSSAKRKHKQTKKRRHCRD
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TARARSGAALKHAIIEEATQSNSSLDMLKSKNKTINDSGGANFFFASKTSGGSHKKARNKI
IDSDGDSGDETEPPPSDNKSSVTIVLIDEVDILFDDAEGKGDAGFWSALGTLAKATKCP
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CRKKLPVPDWQPVLSITPSKIAMNQHSVLMRLRGKHFGLRPEAFSVEARVRIQPHGNCL
THIVDDETMLVLCPPYVNVVDEEKDCSTFCRLLKRVLSVSIANIGPANGLSNRIVASEE
LVDGTRVYGTNPLMVEYEFTEDLPPNSNENDADELASDVKPEDSEEVVFNIPDGNKPAL
KVREKLTVETEDVGLMQWKNAISEAESSRTSATTKVQKTSKEDLEMVARLDVLSQSAH
NASDASFLEDFGEGLPYLSGACRGFADYTEDCALGSSGRAGGVDMLRMHEKSRPPREEK
LFELGWNDCYFHGDSEYMTLPHISQRRCKEKGHTNPYYCMNQFRGDEDAAGQLACSGM
SNAATSNAISTEELENNFSVEDLDRFAHQQQQESSPSCSGGASFAEDMYLPRGVSPAIL
DLPEILRKASSTSTNSLPSQSFWSIARDNQWLSLETNRAECSQRLLSHAIEYFLPWGND
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>comp11445_c0_seq1; 261 249 1907 LEN=1990; translated
MVGHDQPSEFPTESSSIGCQDPTVHNEGRETVDNNGNQRRRLCLSFGHNKEAKGIMYGGV
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GALVLPFLFGAIIIDYTPYRKSVMGVTAFILTLVTGIQIGTTSKTFWIMAILQAIIFMIYQV
QVMVLFAYYPEVAREVQKRINAYSSTWSFYQFLAQAGVNIIVILGFSVGFKMGTVKTA
SOGVVLAFCLVFLSLCWSMLPSPSKHKLQDGHSLIFASFRQNLKTMKHILTKYKTGLRW
FILSTVFGEAAASAVGTTAVIFLNGNLGLSAIKIGIFFEVSLIGVVVGTGKVMVTKYTN
PKISLMLSNLGLAITVGGGVWAVQDVPIQELSYIWGFTIGVFLGWFYPTENVFYSMCVPM
NQEAEFSGFFGWASQIWFVFPPLVFTVLIQIGISLAWGLTVIGFHFAIAFLLLCLCSKWE
DIVEETSTFTMNFSEDEDTTGNQAIENTENHVNGQKNLSKTTTRNDLEETTTTYYGTLLR
PYHHPVPYKFPS

>comp11445_c0_seq2; 265 249 1541 LEN=2117; translated
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GALVLPFLFGAIIIDYTPYRKSVMGVTAFILTLVTGIQIGTTSKTFWIMAILQAIIFMIYQV
QVMVLFAYYPEVAREVQKRINAYSSTWSFYQFLAQAGVNIIVILGFSVGFKMGTVKTA
SOGVVLAFCLVFLSLCWSMLPSPSKHKLQDGHSLIFASFRQNLKTMKHILTKYKTGLRW
FILSTVFGEAAASAVGTTAVIFLNGNLGLSAIKIGIFFEVSLIGVVVGTGKVMVTKYTN
PKISLMLSNLGLAITVGGGVWAVQDVPIQELSYIWGFTIGVFLGWFYPTENVFYSMCVPM
NQEAEFSGFL

>comp11445_c0_seq3; 209 249 785 LEN=862; translated
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ARGAISMSNVYLANSMIHLACRAAGGFGPDDRQCVNDQLEIYGMKPAALISNIAFVSGIL

GALVLPPLFGAIIIDYTPYRKSVGVGTAFILTLVTGIQIGTTSVSICVLLGHSLRCDEIR
>comp11445_c0_seq4; 157 547 981 LEN=1557; translated
MKHILTKYKTGLRWFILSTVFGEEAASAVGTTAVIFLNGNLGLSAIKIGIFFEVSLIGVV
VGTKVGMVTKYTNPKISLMLSNLGLAITVGGGVWAVQDVPIQELSYIWGFTIGVFLGW
YPTENVFYSMCPMNPQEAFFSGFL
>comp11445_c0_seq5; 153 547 1347 LEN=1430; translated
MKHILTKYKTGLRWFILSTVFGEEAASAVGTTAVIFLNGNLGLSAIKIGIFFEVSLIGVV
VGTKVGMVTKYTNPKISLMLSNLGLAITVGGGVWAVQDVPIQELSYIWGFTIGVFLGW
YPTENVFYSMCPMNPQEAFFSGFFGWASQIWFVFPPLVFTVLIQIGISLAWGLTVIGFHF
AIAFLLCLCSKWEDIVEETSTFTMNFSEDEDTTGNQAIENTENHVNGQKNLSKTRNDL
EETTTVYYGTLRPHYHPVYKFP
>comp11446_c0_seq1; 414 71 1432 LEN=1710; translated
MATSYSIRNVSCVNEAKAGVPILTGIYLDHMIDQWNASHAQVGVGLEVVAKTSQDTTEDE
TKEDGDSKTNPPTDDHADRNQYASGNQVELCTAVGNTLGLLKKVLASTEDTSPTNSRFC
CPLDEALVECQISSTNDATAEDDVATYSLAPYGIYPRNVGRTQIGKLQTFAIESFWRALA
SSSGIAISLKKIRGDNAHHIVESSEFKAFSRALRVFLDPPGIWNQGSNDLEGIALKREGK
IERTTKETSISVHVLVFNSSSEDTLVETGTPFLDKFYTVLAQEANMTLKIIRCKGDLWDDH
HTAEDVSIAGQCLTQALGNKAGLNRMWLSNATSKDATVEVTMDLSNRPHYEHNLHEILG
RNEYVDFDGEIGDSSVDNAALLSCEMLEHCLDSLVMNSRMTVHIVGKEVEETTRVADVCL
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>comp11447_c0_seq1; 527 431 1699 LEN=1813; translated
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LPVSTHTPVMPIHIGYKQVLTGGAGFIGSNVAESLLARGDDVIVDELNDYDYNKIKKAN
LRLLEESYPPEGRVKFYCGDIDQDLMERIFETEKPKWVCHMAARAGVRPSIQDPFVYIH
SNIKGTQMLMELSHKHRVENFVFASSSSVYGGSKSTFFSEEENVDNPNVSPYAASKKACEL
LAYTYHHLKLNISGLRFFTVYGRGRPDMAFFKIDRVSRGVEMQQFGDGSSSRDYTYI
SDIVDGVIRAIARRHKYEVFNLGKGEGLSLKEFIDLQYVYVGGKAIKVLDPQPGDVPYT
CADVAKAHEYLGYKSTISFEEGIRRTAEWYKTAYQKQEIIEICPELQANGLGRAPSMVCLE
GN
>comp11447_c0_seq2; 527 557 1825 LEN=1939; translated
MKNLQSPSMPVLPVPSDDSLNNTSGSEASTSNNNNIATSKTMHRSGSSVTFSEIENSSD
LPVSTHTPVMPIHIGYKQVLTGGAGFIGSNVAESLLARGDDVIVDELNDYDYNKIKKAN
LRLLEESYPPEGRVKFYCGDIDQDLMERIFETEKPKWVCHMAARAGVRPSIQDPFVYIH
SNIKGTQMLMELSHKHRVENFVFASSSSVYGGSKSTFFSEEENVDNPNVSPYAASKKACEL
LAYTYHHLKLNISGLRFFTVYGRGRPDMAFFKIDRVSRGVEMQQFGDGSSSRDYTYI
SDIVDGVIRAIARRHKYEVFNLGKGEGLSLKEFIDLQYVYVGGKAIKVLDPQPGDVPYT
CADVAKAHEYLGYKSTISFEEGIRRTAEWYKTAYQKQEIIEICPELQANGLGRAPSMVCLE
GN
>comp11448_c0_seq1; 330 273 1121 LEN=1389; translated
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RPATTSLRMAPPGSSVLKPAAGPLMDSGKALARSCELLIDFTRTLDLGGALSNAQAQIR
NAGDSLAQAGASCRFKTGLELVIDELREAAACLSEATDKLELATEEASADGDPILLEEKVA
ALVGP SRVCAARLEQAGAGLLMRQGLPEVGAAMVDAAGMGGLSAGIGSLAEARSGDADG
TLSAQRMAYAAERLGRAGTELKGEVDPKPKPEGRAFLKGGGF
>comp11448_c1_seq1; 192 1 1200 LEN=1200; translated
XESNRIAPPERQLWPSAVANRLVAATR TNANADA AHRYAHATDPRHEATRTEATMGTKRL
LIQSTSLALGLLVGVAVRHGFCGGTSKRGNTKDLPGVPGRGPLGA AVEAAWVEDAVCS
PIAYALGGGKIRTSGEASSKAKPTFTTTEGVLPDRRRMVLAVEDPGALPGWIGALSGEWA
GTSGEPLMREVLGRHPMELELIDPPELAPAGDPSETAARLAVASRAVAEAPPDRHTLLLY
VPEGLLPGESGGDGI EWKSFLRTRTQGP GTTTVLVPSVRSPPGGGKTGRGPASLVEDW
MARQHVAEAKRKG PAPPAPT FGGRMTR EMPIEHFLAVLFP LFP LFPVFPFVSFLKEFKRY
RAXPFGQAESSEPIGGAERQPASLARKDGRHNSMNNNSNNX
>comp11450_c0_seq1; 207 425 1054 LEN=1650; translated
MELETGSGNMYQVSYSEANVGMVSKSKIRVTWDFFSNGGRQHVVLAWSKSTGKQQIT
MDGTEVWFGRNKGRSVLDHNNWKTREDESLKHLVLA TCAPP MNEHFRNYELLINGQLFASLP
SCGREDESSFAPLLPSVGTGKLSIIIEILYPNGYTPPLDKDQLRQQKQKQQQQGARLQDLA
PSRSNTSSKLV PYNNTVAHRPIVDLLI
>comp11451_c0_seq1; 828 1 2394 LEN=2467; translated
PEIKKTTKLMIFKSSVFLLLLP GASGFTAPKTTSSTKLDAGRTLYDKIFDDHTVTESD
GSTLLYIDRHLVHEVTSPQAFEGRLRANRGVRRPDCTLLTVDHNVPTEDRTELKDVESFI

TEINSRTQVLELEKNVERFGLKYFGMEDERQGI VHIIGPEQGF TLPGSTCVC GDSHTATH
GAFGALAFGIGTSEVEHV LATS TLPQVKGQNF LIQIDGELDEAVT SKDIILHICGVIGTA
GGTGSVIEFAGSAIESLSMEARMSISNMAIEAGARAGLIAPDEVTFEYLKGRPMSPSDED
WDNAVAYWKSLSRDEDAVYDKTVV IKAEDIAPT VTWGTSPQDVAPINGNVPDPEKAPDAA
RKAAMERSLNYIGLEGNQPLEGVKIDKAFIGSCTNGRIEDIRAVAAIATGRKVAEGVHAY
VVPGSGLVKKQAEDEGLDKILIEAGFDWREPGCSMCLAMNDDKLPQERCASTSNRNFEG
RQGGGGRTHLCS PAMSAAAAIDGALADVRKFPFLGDADKDPKFGVNAKGSRVFTTEQFV
SPGPIIDPPAPYMKENTGDGEVASGLPKFQVLK GKSAPLDIQNIDTDMIIPKEFLKTIKR
AGLGF AFAELRYKNPDQVAALGEDVAESNDDFILNKPEYEGTSIL IAGDNFGCGSSREH
APWSINDMGIRCIISTSFADIFYNNCFNNGMLPLVLRDEVEVLLK DSEDPNNELTV DLP
NQKVIRSNGESFDFEIDAFR KICLLNGLDKIGL TLEKVDQIAEFETKRSASYPWLDGASM
KVDPKVRMHENAPIWAN

>comp11452_c0_seq1; 711 28 1200 LEN=1264; translated
MSHRKFEAPRKG NLF PKKRTKKHSGKIRSFPKDDSSDSPHLTAFRGYKAGMTHVVRGV
DRPGALMHKREVVDAVTVVETPPMVVVGVVGVVETPQGLR LTLTVFAEHLNEEFKRMYK
NWRAKKKAFTKYAKKYTEDGGK DIEAELERISKFC SVVRVIAHTQVKKLNLRLKKAHIM
EIQVNGGDAAAKVAF AKGLFEKEITVDSVFNKDENIDVIGVTKGRGYEGVTTTRWGVTRLP
RKTHRGLRKVACIGSWHPARVSTTVARAGQNGYFHRTELNKKVYRIGKKDDKASCQTEAD
LTEKGVTPMGGFVHYGEVNEDWLMLKGAVVGVKKRPLVLRKSMKHTSRKHLENIDLKFI
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>comp11453_c0_seq1; 339 1 1219 LEN=1243; translated
XMRKNASNWILLWYGFFTSLPWGIVFVFLNDYLSQEKGSVQEATFLVMLFGVGC AIGGL
TGGYLGQLFMRGNRSNLPYMAVSTFLGIFPFL LLLNSEFPNHNGIRSKFY SVLGGCIAS
LPSVNVRPCIINVNPPE SRGAALTAANLFVTLGRGIGPCCITLLGSVFSLSRQSSFN TTL
LVFWTIAAAQMLFLAKTLPEDQDRMEEALARYAATAQGGRTTCEVGDPPQDEETTASPL
GRRAGSDGSLEPITPERRRSVPAGEDDGD EALYSSYSMVSSPPAQYMTIDRKTARQSIQ
FVRLGIQEFQDEITYRNTICRGCDTISPCPSQDDLPTTSVAAAAIAASALLDDHHDEGDD
GASILQEDHDTTIPESXDPAAPRPVEEPAAGAPVANERARGPHKMC

>comp11454_c0_seq1; 222 1 708 LEN=1259; translated
RVPVLEEEWQKLPKQAI VTTTEKDSKMAFGSIFHAQSLSPAICRSTVRR IAPLSRNF SVNK
KLSTEERNEAVRHANKAMKGYTQTRILAKQGLP SKNRPQSQEYQSANA IQFSLFISLGI
AFIISPILGRKIAQDDEFREKYVPDWDYDFRVKPPKSAWTRKELHDQIVDVERDMRERA IK
GDFTP EKLEALKQTLQPRSDLSTEDIAMAKKYGWGAIHPGVDPDDYDEDDDDYEE

>comp11454_c0_seq2; 222 1 708 LEN=1108; translated
RVPVLEEEWQKLPKQAI VTTTEKDSKMAFGSIFHAQSLSPAICRSTVRR IAPLSRNF SVNK
KLSTEERNEAVRHANKAMKGYTQTRILAKQGLP SKNRPQSQEYQSANA IQFSLFISLGI
AFIISPILGRKIAQDDEFREKYVPDWDYDFRVKPPKSAWTRKELHDQIVDVERDMRERA IK
GDFTP EKLEALKQTLQPRSDLSTEDIAMAKKYGWGAIHPGVDPDDYDEDDDDYEE

>comp11455_c0_seq1; 344 1 1349 LEN=2150; translated
XAERFWR LKIERHETGEAAITATGMLGMARRAMSSGRAASSSAPAATKRIRSV EKIAARV
FCRPGTNRSSDDNDSDNDNDTSRGTDDAF PAGAVGGNPVTIFASPETLPKSLQQLAET
CDWESVMVGTKAHG DAGACHRAHGRSDPGDQPSPTMAFFMPSGEEVSFC AHA AIGGATA
MAGKPGGTGTDGSSSWTFRASMTGDAFRVDSTPEGGNRSGEERDARS GDGSCRCCLHV
TSVPFTEEPLTEPASEALEAWS DRLGWSRSPRDGGGAVAPARNASVARPKTLV ELGSDA
VHRAGAPPLPTSGGGDPPSFADACAVMDGSTGVYVYARAPSPENERSYECRQFP PRASGY P
EDPATGIAAAAALASLRF GSTGSAAPAGEYEPTYDIYQGTAMGRPSLIQVVGLESAREEG
SESGGTSTVSVFGLQGLVEIDDRCTIEVG

>comp11456_c0_seq1; 237 271 1441 LEN=2260; translated
MAATSLGVASPAEAPSEDCGRSMGVGGI SEGIHRVGLAAAVANANANAKASTNANASGA
ARATPGPARGAS PSSGMGSSAPQRLPPPPTTTAGLPRSHPYSGSAYGGLARGSGIPGRGG
SSGDIRSRLLSRLGIYGSPPAGDAGGKAAQM QFQKQPLTAAQHRRVRILRGMGVGHNVF
YQSPPDGSATRRPLSGVVP SKEPLKTGIYS DDEIDDDSDCDEESIVVPDSDCDEEQAGS
TSGKTKTKMRRSSSTSKLLRTPTRIAFQDQVEVVP I PTRHEYS DRIKSRIWSNRYELQE
NAERNAVEFASEGNWRNVTEDEGMYICSVSGELVHPAWVGGLP TVDNNNSDNNTPGSVG
TQSQQTNT PAPPAPGGENLAAPGAPAGGN

>comp11456_c0_seq2; 297 271 1503 LEN=2322; translated
MAATSLGVASPAEAPSEDCGRSMGVGGI SEGIHRVGLAAAVANANANAKASTNANASGA
ARATPGPARGAS PSSGMGSSAPQRLPPPPTTTAGLPRSHPYSGSAYGGLARGSGIPGRGG
SSGDIRSRLLSRLGIYGSPPAGDAGGKAAQM QFQKQPLTAAQHRRVRILRGMGVGHNVF
YQSPPDGSATRRPLSGVVP SKEPLKTGIYS DDEIDDDSDCDEESIVVPDSDCDEEHDLQ

HEEGDNGSRTGVSRRRSSAGSTSGKTKTKMRRSSSTSKLLRTPTRIAFQDQVEVVIPT
RHEYSRIKSRIWSNRYELQENAERNAVEFASEGNWRNVTEDEGMYICSVSGELVHPAW
VGGLPVTDNNNSDNTPGSVGTQSQQTNTAPPAPGGENLAAPGAPAGN
>comp11457_c0_seq1; 381 85 1635 LEN=1907; translated
MGNKQTKGKCDNSRHVGTPLKTEALQDNLVKETQSSGYFVTGSLKKDIQIAHLKKYTKT
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GSVLDRLPYGENQVKKIVRQVCSAVSYLHGKNIVHRDIECSNIMYSTKSEDSEVKLVDFG
SACELEMVPNHPGAFKFLKEKTGSLSVMPPEFVVRGKYGPKVDVWSIGVVAYTLLNNGEAP
FKGSSIPELESKILQGAINYRKWEHSEEAKAFCKSTCKINEGMRVTAATLYDPWITSAD
KNTFKTLPELVTSFNFYRNALPLKRIALNVLARRVKSSKYRNVFEHLNKNHTGLMTQEE
FMDGFKHSGNSEAELEYEIKQLDINNNGITYTEFIAATLEGGGELEEGTLREAFDLISS
NGRYITKKDVESIVSESLKDRGTADKAKNMAEYQMRRTFKKHHEEKIHYEDFAQMFEGHF
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>comp11458_c0_seq1; 519 104 1297 LEN=1787; translated
MTSVVRVNPVGPAPVKSNDPASPSPKKSNGKRKSASLPSETVEYLKAWMMSPEHIAHPYP
TEQEKVEIMKATKIELKQLTNWFVNNRKYWKPRVEARLQQQAQAAQAAVQAHNAAVAAV
SATKCATAQKQLMVGVLDSRRTNLLSSPVTGFKLASRTTLP SKVINSPILRFDSITSPP
PTLQQKPFASSPLTLMAQVLDHQSKPFVPIPRSTSTATVTNTESSTAAASVSASEGEMSD
SGNASDDISMDGANVLPPEHKFIHKKMKKSLIKSKISSINPQLTSSQTIQDATSARTSH
ARNVSFCSLDKIPSNAAISISQISAASSVSSNNSKKRANVDNELPLVVATCTTIHTPKRFR
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>comp11459_c0_seq1; 344 156 1331 LEN=1398; translated
MVTLLKLLPFDAHNHIQLGPPPTPPLLASGNINTSIENDNQDYDFENDRASLVSSLSDYLL
QEILGKQLSGMAIMSTHPRDFPTILGLEREIKDAIATFPSSNLVEENMKILPCFGVHPWF
LHELSDNDWALVSSSLDGELVPKW TAGLEELLQKHPHSPVGEIGLDGFHFRSKGDAKEL
TTPMDKQVEAFLLQLKIATRLQRPVSLHCVRALGNMMSDFEMVASENYERLVVEVEKGAW
IPKDIELRVLPPRIYFHAFFGGKASTVTQMIKTLEKPRRIKIPQNTSGDVTNTGRKKFVK
IIPPKVYFGFAPPVNFQSPKTPSVVQAVGLQRLVLETDRDIRAIKPDCCQQAIPWLASVL
EVSEELVRITNTNVQDLYYSWKSPTQTSQT
>comp11460_c0_seq1; 944 425 3475 LEN=3735; translated
MSNKAAEELAEAAALSRVAARKTVGRNLSGTSFGSGATDGSWFSTEQLSVGGDRGARRTIS
QAEAIADDDNESYKSMGSNSGFRSRRSRGKNTAVPLRRKIIDEYKKEAETLQHEL SYAQA
EIAELDQSLNLERESSKAARDACTGAKKELERVQEEKDFLIESVREIEKNLVAKDERVKK
LEQVVDQQLDTEVLLERKLGKTEEELLRVEEELGEALGANEDTNETVPAESGSLPTARMG
SIRKDVVELKGTIGLRKEESRFLQATSEVDSTEEGGNPSKRRELIARSQEKFKSKREK
ELDARERDLLEFEDRLKKE SARIQNERQATNQNDANGIDSQITLNEKSKLMKLELENE
REKLD RVMNMANDGEATVGRKVTMDPSPASEGDGSGAEAAATDTHNEVIRNLTEKVEALG
EECRTRDSDLS DALARVERKNDIQNLREEVAKLSGTPSDDGGS AVHAQAAPVERN
SDLIQNLEEEIEQLRKKVEIKNGDLTDALARVERKDELVQSLKERVEKMGDRCRMKDEDLSDA
MAIVDNKNDLIESLKEQVEKFDKNGGDLGALCLVEKSKQIKGLEEEEVERLEVKCRAKD
GDLSDALALVDTKNEI IKNLKEEVEKANEICRNTE NSDVSDVALVERKTERIKCLEKEV
EQLVEKEYETRNGDVERKDNLITSLKEELEKLEKDEKQNTENDLADALALLERKNDLIKSLK
TEVNKADENSEIERIKSLEEEVKKIAGECHSKDTELSNALALVEKKNELINTLEEEVGLK
KENCQDASGGEDDGKDLLIRELQNLVLESKKQAHHYSSGSYVNKLKHQIKALKENIRGLK
IRLKQEETVTDSTLKKKDDSI RLVEKQMEKLFELERREKREESLGT DGTVDSDSGLNRLI
EDLEEEIVHLKTENTNLKKEME QIEANENLGRDSSRSNGVDIGDDCSLGSIESFTS QLSQ
LSFCSVHSASQLQNPETSGAMQVRVSNLWSKMRKGGEPNPSGQTFPYAIGSLNND
>comp11462_c0_seq1; 213 86 517 LEN=1045; translated
MTEDKYEYVSYKAPKTIVAETVYHFFRGGLYGAAFGMVTPFYEAGTKGAMQEAKTGIFKP
APVFGSLSSVPSNALIFGSL LAVQRFAKSTEF LR GKQDPWNDIAGCFVAYPPYQ TCLK
HAVLHNRVVGILLASIAFANIP
>comp11463_c0_seq1; 576 1 2206 LEN=2520; translated
XEAGTSHSVALDDAGCVWQIGNGEHLIQRVSFLSHRDPPESPSPVSSIASGGSMHFAISR
AVAGSDLATPGPECTMPSMPGLNDLMEAVRAE EGSIQEKNGAGPSSHRSSREDLARRTEE
LFRSPAVMNSL FMDPREIDGMYQTLICGSQTREVRQAMASSIETGMLMGLKSTVDSRLMY
FESVRFLLLYLQCP IWRDETIRESNADDDKENEP AIVFDARGDLLFLLCETILGLPFEGY
KAFLAWSATVYGEELFVPFLVRPLVHQLNHRLVKNITHGVPMIAGVLLWLHTVNERSDSR
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CGLAVYNSVILDVHFP HAIYRKLLGLDLGLEDLIDKDVRKGLQSLLDYDGDGVEHIFCLN
FEVSWMEYQGERKKELKPEGSNIAVTSNDKEEYVMLYVKWLLVDSIASQYNEFERGFNQV
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>comp11464_c0_seq1; 894 579 1940 LEN=1940; translated
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>comp11464_c0_seq2; 1573 281 4318 LEN=4595; translated
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TVFDELKIQTT EAIKILISEQTSMGSDQTRGEKVVPVWELDFESAVTLFANSIPSNIR
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>comp11464_c0_seq3; 1541 281 4498 LEN=4775; translated
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>comp11465_c0_seq1; 956 88 2571 LEN=2786; translated
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DQEREEAAAASKVYTSGLQLYVAENRHSYRDEHGNTLVEADKALRHQWRCLPPKEQERWND
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DFHFRHPITTAGIAMDHGEMESSNFEEKKIDDDQFAATPTEEIAKSSGKSKRKPPTK
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DGYDRDFLETPKPTAGTPVVFYDRLGHRGLGNSSTGCRPIVYCTYARAADGRAFRDSVNF
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>comp11465_c0_seq2; 1067 244 3132 LEN=3347; translated
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LSEPNARILFRSWKGRMELACLPHLIDRIPRPPVWPGKRNQPADDYRAMQGEEDVEYTY
DGGKRRIKKNTKQDYIKGLTSREISMLSQVAWDVLKPKYDHPAPTVTIKWKSPPDAKTFSTR
RKSWEHATKLSKQEVVAIDRNLLGIGASGKLLKEFFPSAKTAIEVGKMRFERDGLWVVGQ
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CMEHYETVMRTVKTRDLSRELADGFDVLRERGHGRFDMELPAFDDPGFDFLTDLTKTPWM
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NGPTEFVLGSHVLGHDGYDRDFLETPKPTAGTPVVFYDRLGHRGLGNSSTGCRPIVYCTY
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PA

>comp11466_c0_seq1; 661 1 2344 LEN=2427; translated
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FTQYWKPAEIAKKHRSIEFYNYLSESF DNVLNLHQLHQEGDMVTNMICKVIGANHACGKI
RSNEIKLRRNNGSINLDDLILSVFAYDQGYIAKTLARKEVNAVAKYMKQSSKVLPRKCN
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NFFKSIGKEKRRKIVLHVGP IGAKTIHNTLTTLSGDGNALQKDNYTLVDIDKNNHFDCGA
DGCKASPTLKSFLSVDGVEKNLIIADDNLDERFVEAFKEAIDETKWDLKVVVGYIRLDQ
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IEQIKKMNMMHRNAYVSSFDNVDFYAYHQRDDLVINFLCNVVPGATHSCKALKVVDAEKA
NTQALAYNYPESDILAVRARELGLLNKKFTRQAVRDAIGRKLQYRQKVL SRICVSGVTKQ
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A

>comp11467_c0_seq1; 317 206 1291 LEN=1376; translated
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KVLGIYYVVEGVIYKPAIRSLMKSNSVRTLDGLAGMASIVFERATQLTVARVARYCSIM
ARHLVVFVFEWYSVRLDITLGAVTDXITGFI SFFGCFDVTGAC SALSVCARYLPSTGYTW
LFNENEDVNKSKNNVDAVDPVVS LMKLNKRMRKRI LDNRKAGERNEAEEEGLRASAAID
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K

>comp11467_c0_seq2; 389 206 1096 LEN=1181; translated

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KVLGIYYVVEGVIYKSPAIRSLMKS NVSRTLDGLAGAC SALSVCARYLPSTGYTWLFNEN
EDVNSKNNVDAVDPVVS LMKLNKRMKRRKILDNRKAGERNEAEEEEGLRASAAIDQILVR
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>comp11468_c0_seq1; 105 1 539 LEN=558; translated
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SSQSGRRALS FVDALQFDGKLSLVQVRIETGRTHQIRVHLQDRHTPIYGDDVYGISDWNK
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>comp11468_c0_seq2; 528 231 1532 LEN=1551; translated
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EAGMTLKVTLPKKERPDEIIAQNIPLKIIYEDEHMVVINKDAGMVVHPAAGNWDGTVVNA
LAYYLANDSPYGTGDFVDGDGKSTLIRNDDDDDDILSLRPGIVHRLDKGTTGILIVSKTVE
ALTKLSEAFASRKVKKTYLAVTVGNPGKRVKIDKPIGRHPIHRQKMRVVPDPHRKNSSGI
SPKDRLRFKNSFQSSSQSGRRALS FVDALQFDGKLSLVQVRIETGRTHQIRVHLQDRHTP
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>comp11469_c0_seq1; 599 160 2597 LEN=2884; translated
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QKDMALAYIDQALAI EPENKEALALRERIKSGGASGGQVKTKERENKFQPQWGTPEANN
PSAMTGKTPEDLYEYGSTLFSRKNYEHCADVFEL SCKRSGYSLGPSCSNAVYCRMMIMDW
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QRFVHEAAGNPKTSKDPDTKEFVPDFEPTDGD SLNKR IHFLPWERNPFDHQARNQDFCNV
MLD SHPYNGHTVAQDALYGGVPIVTRSDGDDMSRVTTSANIVLGLEELNAVGGVHHYED
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>comp11470_c0_seq1; 401 1 1339 LEN=1811; translated
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IQKAAIASSHAEIAKLSSTIDGFRVRFESLASGVTTVKTTTTTTTTKTGEGESSARGGTRI
IWRHDAETTEAKEIGEKQSVDNQIGTVERIVLDRSPPPPSSSIELQMKLRFIDILTKH
QSVWELEREGLRGKICGLEQQLLHQEPREVS GDDHGEHTVEHDVTNRAREGRSTNASE
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>comp11471_c0_seq1; 285 171 851 LEN=982; translated
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RKRL EEELEEQNKEKEKQKTEEEETNKKKMEMEIDGDGDGIDDKKLTSTEDRKGSPNKQQ
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>comp11472_c0_seq1; 157 119 1622 LEN=2044; minus strand; translated
MSIEAWTAKSKIHRQAATAGXRLASFL LLEDLLYGCAGR DARSPAASHIDVPQGGTVDA
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FILTYVQNPEGRANQPEPRKVVRKPGVEVAEAPRREVQGVHAEALLQDQAFQEGGLFHQP
LDLGVGEADAEGQVQDPEARADEPREAAE GKAAGKARPGQARKEAHR LGQAVAVAQAE LL
QGRAPAEAGQAASLSAGECSQTS DLXARRALPERRQQPVAPGAPGEDQVGEVLEPEASAS
DGAALQPDRSQPPRRRTRVEDFQQAPAPAVPRFDALQVEDPQVRKALQQPLQDGPGRGL
GWPGSPLAPEETALAFGHAQVGRRGNEFP HSPGCNREPRIVGQGQVRQENVHRVGI EHV
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>comp11472_c0_seq2; 105 119 1407 LEN=1829; minus strand; translated
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ANQPEPRKVVVRKPGVEVAEAPRREVQGVHAEALLQDQAFQEGGLFHQPLDLGVGEADAEG
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SLSAGECSQTSDLXARRALPERRQQPVAPGAPGEDQVGEVLEPEASASDGAALQPDERSQP
PRRRTRVEDFQQAPAPAVPRFDALQVEDPQVRKALQQPLQDGPGRGLGWPGSPLAPEET
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VAAGDTASP

>comp11473_c0_seq1; 128 1 357 LEN=898; translated
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>comp11474_c0_seq1; 367 191 1543 LEN=2506; translated
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TNMSDVVYNNVLLGNGAFYNHHPNLKYVQVSEKQGGDVPVHLVGFRASTRDIAAGEQLYV
SYGDDLSEAWFENRGLNSQSMTSEAIENMLPFFVSSYCSKIYAGIGQPTWRDNILPILT
SMHYNSSGGAGTILEPSSWMDLTRLAPFDAGLS DARAKVAIRKGAQIEKSLGLVISRNYVR
GTPMGPIAFYWENLKIDHHQHLIDLRRDNKLVLYQGHDTNWESVDRFVGYSEITILPVS
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>comp11475_c0_seq1; 345 63 989 LEN=1307; translated
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TGGGERPCTEVDFTESELLSDWRSRCLLEGSNQPDENDSVLSVITRGIEFPGLKVATSSLI
GVKYVESETESPRYEFVLLSNEQTVSGLAPAVWIFNKLGTGAGENGSGNNSKFKSLTIVTY
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>comp11476_c0_seq1; 710 1 2433 LEN=2598; translated
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FDEQQLNEYAYNEGDHNVGSDHFFDGYDDQSNSSDDGNYAENENIMNKEGDERHTSFPDF
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MMYILNWAKKNPHLIVVIENPRGQMQLNPMIEFARNFGLHKATVDYCVFGRPDKKPTN
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>comp11476_c0_seq2; 632 1 2187 LEN=2712; translated
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PSDGDSDNGVTTKSSPKSKNQSTGDYRVEPQKMPADVEIAKRKEDELKCTSFPDFPVDP
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PISPSPKKKKQKSNNDYNNEHQENSATATGNITAGSQKSAECTDKKRLRDLPHSEHPFSAT
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NILDLMEIKYRDIGFVPDFI WASPPCTTCSPLSGSHHRDCKNGEFEKTKEASDHNLMAQ
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>comp11478_c0_seq1; 264 34 471 LEN=1356; translated
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AHRGLRHWWGIRVRGQHTCSTGRRK

>comp11480_c0_seq2; 377 68 1495 LEN=3067; translated
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>comp11481_c0_seq4; 136 445 705 LEN=705; translated
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>comp11485_c0_seq1; 969 1 3219 LEN=3321; translated
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>comp11485_c0_seq2; 978 1 3063 LEN=3527; translated
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>comp11488_c0_seq1; 186 24 362 LEN=592; translated
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>comp11489_c0_seq1; 541 108 1487 LEN=1678; translated
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GISGLISLTGRGGSTIMFPKLNVLDSLNRNLKTTAALVVD AKNDNVFAEWPMLEELWLSG
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>comp11491_c0_seq2; 138 213 797 LEN=797; translated
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>comp11491_c0_seq3; 177 353 529 LEN=807; translated
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>comp11492_c0_seq1; 212 105 794 LEN=794; translated
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>comp11492_c0_seq2; 212 105 812 LEN=812; translated
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>comp11495_c0_seq2; 752 784 4967 LEN=5071; translated
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>comp11495_c0_seq4; 752 701 4884 LEN=4988; translated
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DDFITKRLYSP ELPDIIFFDQS IDAKLNR SRLK LKKVHTPFLQSAKTHKQLETFVAVEPN
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DLVDLYGSDYDTP EGMSFTVFFVYSAVIGREWQQYQLKRRELENTVLPPPSAEAIPL E
RVAEECESKDPSEFVEQEGEKAVSASQPDYLSDLTMGVC GGVCPPGGERAAGDAMAYISDK
NPCP DFTSDAQAA YDTLSNYVSSLDPTD GCRNSSLLDNDDAFAEYEEAREVSVAQLDLAF
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LSDGLSDSGSEVSTEPVASSVFQMFAPHLKAKTKKKRRRRKKKQLKNIPENLSDR IKKQ
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>comp11496_c0_seq1; 348 1 1361 LEN=1430; translated
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>comp11497_c0_seq1; 673 75 1338 LEN=1338; translated
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>comp11497_c0_seq2; 784 75 1491 LEN=1491; translated
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EVAESKLLTSGEHNQSTLEQIETGNENDYNNNIIEEIDAALLEPEPSSIESQDSGDDFR
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>comp11497_c0_seq3; 391 75 729 LEN=729; translated
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>comp11498_c0_seq1; 1085 237 5258 LEN=5409; translated
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RLNTEKSVSWALSCLLGLQKWLSEERTIHTSNTIESSDLSQDWLEDWKKNFRRRVEL
RKSLVDNTRFFRTSPVLSQRGHNGNRVPLDMVATNLPSAPRSRLCCLIECVSRVLVYSAQ
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DTANEILSGIAVKIHSLLQVMPKEFQVNPLPDFPSSMAAETEIPVQNSQRSGRKRTRSGS
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>comp11499_c0_seq1; 534 1 2499 LEN=2574; translated
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RPKDVNGPQRPDQASRCSLEEEECIDADCANVSGDICIQRTCISEGSLRISLEWTGDD
DLLLTVKTPEDVVISQGSDFDAGSGGRYEGSKQSTFGFHVENVYFPKSGAPSGTYLINVD
SSSVNGVGNDIWTVRIYENGGKLFEEVGFGGSGAFSYKTAAPVPTLAPIAPAVILPTG
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PDSGGIFEGPTQQRISGDDVESIYFPMKGLPLGLTYTYVTNSVASSDETWTVTVSVNGE
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SSDEMCSFDICVKKGAPQFLLSWEGNYDVALAIVTPLGTAISWEYPLDADSGGIFEDHAY
SEENRRIENIYFAPDEGLGVYPYIHSYQTSDDANWTLGIYVDGEEVSTESGKGSSEV
LFFDYKGLVLDGQGGSEEEVCDPLALPEGQCCSSIDCFPNEACTSRTCVDENRPRFTLSW
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>comp11500_c0_seq1; 593 115 1629 LEN=2650; translated
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RKKALVGD SRGNPQPTTAVAKDAVSVLKEVREAQNELASRFEESSKNMDEE IADLIGSL
LDTTREL FNKIERLGSSILVELEKTEEEVRKAWDNYLNSRSDGASSTDES RPKKVTDQWV
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IQSKVLEELTGKEMTRDDMEKAVQTIIDERTSKYKRKTMAADLVSETEDDFADFNLESPL
TSDLCKAKVVLKAEADGDWTL SLAVMSADSFLHMFIDSPRVKLTTSPEVAFTLLAPTL
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>comp11501_c0_seq1; 666 210 2048 LEN=2134; translated
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KTSDCYDCAATTHPYLLPYSSGTTGLPKGVCLSHANLTANILQMEEVEGPPYVGPEDGLFS
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SPLVDQYDLSLRTIMSAASPLGSDTESAVQKRLGCQLKQAWGMSELSPIGTMNASAPDI
PVGSVGPLVSNFTFGKVLDS DGRSLGPNKEGELI IKGPQVMMGYLDEPEKTKECLSSSTGWL
RTGDLAYYDEDEGYFFITDRIKELIKTRGFQVAPAELEDLLLGHEDVNDVAVIQIPDEESG
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ILRDELAEQMKE

>comp11502_c0_seq1; 705 69 4561 LEN=4772; translated
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A I L S C R A I R K K I L W D M G E T K V D E N P A T D N P W K F I F A A C T T L P I P W R D I T H Y L K L S T I T S I
E I P S V H L I G I D D P F K Q S S E R F F D D F N G D D D K K L P V Y F E G G H E I V S T S G S L G R A S Y A A I E W
F S N F N P E W I L P S I G F D D S P L C A I A K E I N G F T V G S S S Q E T L K G T F G Q Y Q L N A I C D R D F D L S
M M R L L E N E E I E H K I A F R A P G K A P M T Y G A L R R F V R G R G N L S T I G C T R G D K V A Y L T P Y G V L G
A V A F V S I S A Q C T A V P L D P E S S A D L V M A F R Q L R P D V L I V F D D L G A D V C E Q A S S T A A N A G V
R V I D A S G D F K E A T F S F A D C E Q N N K D I L E N K G S D T C I L L R T S G T T S E P K I V P L D T W S I L T N
A I A I A N N L G L R D T D V A L N A M P L F H I G G L M T N L L A S F V S G G S S I F L P K F N V S T F A E R L T K S
K G G V V E P T W F S T V P S I L A A L E S Y V S S E E S S L L R S S L R F V R V G A A A I S D D L I I K C Q Q T F G
C R V V P T Y S M T E C M P I S Q P Q Q D A T I V D E R P G S V G R A L A V S I C I V N S N L V P L P Y R K K G H S E S
I I G E V C I S G S T V T K G Y L S N D E A N R S A F F R L A K K S W F R T G D L G Y L D R G G Y L Y L T G R S K D M I
K V N G E Q V S P I E V E E A C M R F P G V E L C I A F S Q P S N N S W G E Q V G I A C V L S A S N F D R G H S S L V D
E T E F Q T E L R R F L K V E Q G L V D W K I P E R I Q I V C E G D L P K T K S G K Y K R A G L D K I L D E A Y P S S A
T N Q P M A D R D Y L A T K M S P L H P A A V G V Q F V L A V A V M Y V H I G N L N V W A I D S P T E G S G T Y Y Y E R
L V D R T G V G A F S E W S N R T W C F H T P L F F F V G G F L L A T G T H S P I L G K S A L L G F Y K V R I L S L H
P M Y L L S V L L C V A I F V A Q C H P E N F I P G F D P T R T P I E G E A F V C Q A A P V E M S W G G T L I S S I V T
Y S L L L Q S W P V A I P F T W F L S Y Y T W F S S V M F C I F V F P W C H K P F F A A K D D R T A L W K L T I S W L
G A L Y V F V G I F S A G L A V S D S E S T L N W F A L S M Y L F P P G W L P C F S L G I G A S F L L E H Y R R K G E V
A R Y A K V S G L L T D F I S L F L L A G W I F Y G T S S S S L A A P S S V V T D I G E R Y W A A Y V S R L V C P L G F
V W F I G L A I G R G V T A R I L S R H T V V C W L A P S S Y N V F L F H Q P I S E L Y F F A T R R T W W A Y P K S F Y
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D H G Q H H P E I K S V A T I V L E T I A R V C H I D P S R L R G E T D L T E I G M S S M T L P V A I S E I N S A L K S
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>comp11502_c0_seq2; 195 954 1694 LEN=1905; translated
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>comp11503_c0_seq1; 242 134 908 LEN=978; translated
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FRTRYIASPVIESEG VVDRGFETSSRAKSSDVQWSVEKPNILQRDNKVKLVVVKRSVEV
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LPTSTVKSQIRLVRPPL

>comp11504_c0_seq1; 338 28 621 LEN=904; translated
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>comp11505_c0_seq1; 693 1 1737 LEN=1737; translated
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IDPIYKNESFWRDNDNNNDNNNGSVLLEGEYEGWSDGGVLWSDPPSDGNWGVCKKVTVV
FGVAICVTQQAWNERSKCDHIANVFYQLLDNDANGIPDDEEVLAEMVQKGYLLI V P A T E Q
EFEQS IDRIPAAASVSQPIWTT EATPNSCQVPTNRGASATDRSTWSSAVNTGGMSCNPQQ
DASVEEILHLISRAASTVYPTKWSSFASEFGSAIKAANGNCGFGYSGNWINPSTNGCSG
HFAYNDATCDEACNVEGIFWASISYIGGMYTMDMAKTTKNEWLMCTPDSNMEVYPSGVR
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>comp11506_c0_seq1; 473 75 1178 LEN=1243; translated
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DDMAIESLTFEYKNTFEELAEQSDDEEATKKTIDILDLCSSWVSHLPVVDATSSSFQYGNVV
GLGMNQEELNANPQLTSSILQNLNIDPKLSSLDDESFDVVAMTVSIDYLIKPLEVIQEI
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>comp11506_c1_seq1; 271 1 527 LEN=881; minus strand; translated
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>comp11507_c0_seq1; 314 1204 3233 LEN=3265; translated
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VTALRRLNSIDLRLRSSEKSSVERVFAAMELSLQVDFLEARDVWLDQPTTATTNYATST
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>comp11507_c0_seq2; 385 1277 3121 LEN=3153; translated
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>comp11507_c0_seq3; 314 1277 3306 LEN=3338; translated
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>comp11507_c0_seq4; 559 1204 3048 LEN=3080; translated
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REAIEKEFLETKNILHAHERAVMTPGLRGDAAKLRENAKDMKKAAKTIIFPYVRGALEL
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>comp11508_c0_seq1; 394 1 1752 LEN=3523; translated
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SGFLAIVVSATAMAFLVLAHCTNCKIFFFDASVSMTIGTRFYSTNNAVLEPIQPITE
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RAEHLGSLVKAKQWPEFHALFATRPPTAQEIEDAVENPLDYFAIARDPTGQSLVWREYQ
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TTTTSSNRDANDSEPLAVGTLQSSKSTNTDTDVVRQQVSVSSTILSMTGESYPGDDYCY
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>comp11509_c0_seq1; 494 76 1383 LEN=1503; translated
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VWMLEPPSSSIPSCVVVFTGGAGLGQFPQVVYNELLTKVSDKLNVCITAPYEVGLDHFS
LAKETGERIRRALLVLDNEDAKPLPTYSLAHS LGCKLQTIYMAATGLESSFDFGIGFMAF
NNFSFAKTITMARSFAQELRGGGMPASGMGGVNPENINSIFDFAEMAVGAIGVDFSPS
PQDTQRQLIQLRYSESMKAKTRLFVFGDDTLDSQEFRDACESGVGVSNLPGGHLTPVYFQ
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>comp11510_c0_seq1; 330 56 628 LEN=1249; translated
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MDKEMGNPFQ

>comp11511_c0_seq1; 482 236 1492 LEN=1612; translated
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ESPLTEAQISVLESVRFAFTTRGEEHWQKSYERLKEYKANHGHLVPRQCEIQGLGDWVT
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>comp11511_c0_seq2; 468 236 1634 LEN=1754; translated
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LQHHFAQLYRIENGNVNVKSTDRKHGDLYSWIVQLRKDYKTRERDPSESPLTEAQISVLE
SVRFAFTTRGEEHWQKSYERLKEYKANHGHLVPRQCEIQGLGDWVTSQRQQYQEYRKR
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>comp11511_c0_seq3; 395 236 1623 LEN=1743; translated
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PKPYTAEELANWNQMFFQLMLYRIENGNVNVKSTDRKHGDLYSWIVQLRKDYKTRERDPS
ESPLTEAQISVLESVRFAFTTRGEEHWQKSYERLKEYKANHGHLVPRQCEIQGLGDWVT
SQRQQYQEYRKRPTPLTKQRKELLDEIGFQFRIRNRPEWGSKYQELLDYKEKHGDTRVP
QHFKENKALGKEKETKGIADHYVYLPACFSRIALII LLTLFLMLPSLNFDFVIVGCKTA
GANKLHKKGKHSFLTPDRLEKLNSIGFVWSVRGESSTSQADKNVTNPLPDEKIEPTAVVA
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>comp11511_c0_seq4; 381 236 1765 LEN=1885; translated
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LQHHFAQLYRIENGNVNVKSTDRKHGDLYSWIVQLRKDYKTRERDPSESPLTEAQISVLE
SVRFAFTTRGEEHWQKSYERLKEYKANHGHLVPRQCEIQGLGDWVTSQRQQYQEYRKR

PTPLTKQRKELLDEIGFQFRIRNRPEWGSKYQELLDYKEKHGDTRVPQHFKENKALGKEK
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LTPDRLEKLNISIGFVSVRGESSTSQADKNVTNPLPDEKIEPTAVVAVDVHMPKTEGEDK
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>comp11512_c0_seq1; 819 195 1835 LEN=2060; translated
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LPQLAPGTTLRVSGQVSCDTRRDPLGVVACIVPFNFPMVPMWTVPIALVMGNTVVLKPS
EKVPLTMHYAADLQAGLPGVFNMQVQTRACVEALVDHPDKAVTFVGSPPVAKIVAQ
RCRALPEPKRCTALGGAKNHLVALEDCEAEGAAADITVSFAGCAGQRCMAASVLLTVDEG
GAGESEPAAGTELVQKIVSTASAIKAGSGPGEMGPVIDKVSYERILSYIDHSIEKGAEVL
LDGRSWKRDNGFWIGPTILKHTNPEEDKTLSEEVFGPVLVSVYVDSWEKAVAIENASPF
NAASIYTTGGNAEWFTRFRASMLGVNIGIPVPREPFSFGGLYGTRSKYGDMDITGDGA
MEFFSNRVKVTSKWPVVRGPLSRKRGRSGDAPVATNGSHNGTHNESYHGSDAATEPRDAA
NFAGQM

>comp11512_c0_seq2; 773 195 2081 LEN=2306; translated
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LPQLAPGTTLRVSGQVSCDTRRDPLGVVACIVPFNFPMVPMWTVPIALVMGNTVVLKPS
EKVPLTMHYAADLQAGLPGVFNMQVQTRACVEALVDHPDKAVTFVGSPPVAKIVAQ
RCRALPEPKRCTALGGAKNHLVALEDCEAEGAAADITVSFAGCAGQRCMAASVLLTVDEG
GAGESEPAAGTELVQKIVSTASAIKAGSGPGEMGPVIDKVSYERILSYIDHSIEKGAEVL
LDGRSWKRDNGFWIGPTILKHTNPEEDKTLSEEVFGPVLVSVYVDSWEKAVAIENASPF
NAASIYTTGGNAEWFTRFRASMLGVNIGCVTPRCLVCSWFGIKSMVGPILVRHVVD
FFQNTNLLLMMNLAIEVICHECVRDSKXSLFFLFFLSLVSNGGVPPNPQRRIPVPREP
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>comp11513_c0_seq1; 192 1116 1892 LEN=2155; translated
MTNSCQGDSSGPMFIPDALDRPDQDLLVGLVSWGYGCSDMFPGVYTRVSYHYDWILDNI
CSVDPEGAPEYVDCNTIINGLVTSPSTYFPTIPVNVQEASIPAVITPDVEAYTPKATNP
PIKRPPKMPNTNPQAMNPPINRPAKLPTNPQADRPKLPNTNPQTKPPAGKEMYDEINCPAV
FPRSGTPCVMVEPYKYKCMYYEMGPDVSCSCRYDSLIICTGNFYTNVDPDISVYSKRG
SKKKDGFLSFLMEWFGGI

>comp11513_c0_seq2; 324 238 924 LEN=2019; translated
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NNDIGLYQLSEDLIDTPYLRMSPVKITELSSMAVIGIGDTKAYLHKTRKKEAPLELKL
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>comp11513_c0_seq3; 305 590 1795 LEN=2058; translated
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VPEYVPHGDAEYIDPDSMICAQKLGDSQGDSSGPMFIPDALDRPDQDLLVGLVSWGYG
CSDMFPGVYTRVSYHYDWILDNICSVDPEGAPEYVDCNTIINGLVTSPSTYFPTIPVNV
QEASIPAVITPDVEAYTPKATNPPIKRPPKMPNTNPQAMNPPINRPAKLPTNPQADRP
KLPNTNPQTKPPAGKEMYDEINCPAVFPRSGTPCVMVEPYKYKCMYYEMGPDVSCSCRY
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>comp11513_c0_seq4; 390 238 1659 LEN=1922; translated
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NNDIGLYQLSEDLIDTPYLRMSPVKITELSSMAVIGIGDTKAYLHKTRKKEAPLELKL
AELDLVGFADCEVPEYVPHGDAEYIDPDSMICAQKLGDSQGDSSGPMFIPDALDRPDQ
DLLVGLVSWGYGCSDMFPGVYTRVSYHYDWILDNICSVDPEGAPEYVDCNTIINGLVT
SPSTYFPTIPVNVQEASIPAVITPDVEAYTPKATNPPIKRPPKMPNTNPQAMNPPINR
PAKLPTNPQADRPKLPNTNPQTKPPAGKEMYDEINCPAVFPRSGTPCVMVEPYKYKCM
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>comp11514_c0_seq1; 305 207 998 LEN=1557; translated
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PRCRGVPGTKALAQSSALGAGLFGGIFGGGGGSAPTGGDEHGNGAVLAEYGVGLPGGD
NALLQQKLESLSFVTKEWAGLFAAGGITLTPVKVSRSGVSAGEGGGVCRLVFEKVDTG
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MSEERILRELRDAIAVWEKESAL

>comp11515_c0_seq1; 907 257 2200 LEN=2339; translated
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RIEEQSKETEVLVGLDVYSDIAKDDDCESVSSSTSSSFMSIYFERTDFLPWENLYAKA
EYAPHVGF AIAAGGFACMHPFMFFAGAVTAMGALRAAGAA YD YATCSLQSVSTEDADGQA
TTSCDWFPAAFSLSYTDNINDEAKRQFSPVRGNMGDVE SVPLLAKTSSSCST SASTTVE
SVENEIKLGKKENASKPVVNDP SMPCLIQSPPKIYHQGTLET LGPVQWVKDTF PSLPTIA
LDNAEFRGLYAQEFFDVFVADDAPFGFP AFHKLRRDKVKYGLWRNGISSEIFESDGS GI
ELPPTLTTKERDVEYHAKTNSFLGPAYAPT KKTQRAYFVSKKMLVVDIKMTLHDIPFSKQ
FYLI ERWIIDGTHSNAKNQPKDLHSRKKKNKNSNSKPSSSHCVYVTVSSKVCFTQEC AFE
STIAKESAKQVCEISKWNIMAQDGLKRTEEARMKRLRQKQLIEEQRARREQQQGVMS SP
LLAQSSGIAKQFENDESIEIEHLDIVLPDHKNESRRNGRNRSCNGSRRNSFPLRQKNDGT
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>comp11516_c0_seq1; 871 292 2469 LEN=2852; translated
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KASKNEEEAAKYLVS SVKDYITPIDQVIALSKDDAANVAIASMKQANVRHLV VADQVDNY
RLTEKSEIIGVVNMQDVM SVVQKDERLSLQSI AKKYPYLSSPLEQMKEELKSSANAAARD
DPEKVKTDIIRAGTAALSFSFLALFFSRSEWLHDHADLAMI AIFVIGYIGIIFEEVFEFN
KAAVALLMSTGLWVTYADYFESTGVASDTVITQLGEQLSEVSDICFFLLAASTIVEV VDA
HQGFKVV TNNIKTTSKKS LFWTIGFLTFFLSAILNNTVTVIMCSLLKLVPNVDDRKL F
GGMVVVAANAGGVWTPIGDVTTMLWINNQLSTVPTVTELF LPSVVCLVVSLAFLVNQVE
EDDSLENSDLAEPSELAPRGLLVFWSG IASLLCVP IFAEFTGLPPYLAMLTGLGAIWTLT
DVIHMGEEGDEDLKV PQALAKLDTAGILFFLGILMSIGVLDKSGLLKELAVFLSDNLP SL
DI IATVIGIASALVDNVPLVAATMGMYDLVDYGTDDKLWQLIALCAGTGG SILVIGSASG
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AMTSM

>comp11517_c0_seq2; 662 170 1810 LEN=1854; translated
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NPLKVI IAGGGVGLALANTLTKNPNMEVTVLERTDQFKRFGGPIQLASNALKILNEMDT
TVYDQIMDKFTFTGDKENGIKDGIRTEWYAKFDL ASPAEARGMPYTGVIERPDLQEIYLN
NLPKGTVRNGDGI STYTTDSETGRVTCEMESGAKITGDV LIGADGIWSAVRSKMHGTPAK
GDDSGASYSGYTVFAGELNYDSPDNGDVGYKVYIGPQQYFVITDIGNGRYQWYAF LARAP
GSVNDPKPEGSSKYLQDLFE GWSPEVHAILKVTQEDEIEQRDLYDRPPSIFKPWTQDHVA
LLGDGIHAMMPNLGQGGCQAI ED AFVIAQELDGAKTRSEVTGKLESYARRRQIRSAAVQG
LSRFASDIIIRGFDTPAKITWEDGKPKFENCNYAGIVTRMLQPILPIFFKVQFNFLYD GW
KNEFGIDVVAALSFLTIGGIMLLLSAGVVGEAGIAASVGLEAFIGAEGVLD FEAINTFVR
ELVSMQ

>comp11518_c0_seq1; 273 164 1057 LEN=1148; translated
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GGVLRHLIYTANSEPKAIKKLI FRTVRCLHCHVGARAGQHPKIDL GTTGGGEDEEKDDSN
NDNDNKTNPPTRIAIHTFHYEWLRRVTE SCGIASVEKCVRIVIDYYQSRIKQALHSDGPE
AASEKELELFGRNRGD DPGFLAALGRSLRETAPANTGSANANAGASGD DPSACSQEDAAR
ALERCQVGRNSASYARARNETEAE TRARREGEMAVENSAATRRAREEIRRALGSPMG

>comp11519_c0_seq1; 390 97 1661 LEN=1802; translated
MSTPPTL TEAFRILGQRRKKT YTENEEGTND AVDILGIVTNI STDTSSSTTVLVPNLSSRR
HFVSRSR IWLVD DSRFN AHGEEFPQH LTSXELFFYGSSEIDRIHQENIKAGDIVRFNRVS
LKEFDPRGLAQFRFSSYDHEPGVNW FRLGHIDKQCFNESSGFHDNNYSPTGIPTMKTS
RGRIVELASWYNKHYHLISRLSTTSNIALPTRRRL LSEIQFTSGVLSNVRVKVTQVDLEP
ARSAAKNISYRVDSSRKKKRSRMTLPPTAF AVFTDESGVLM PFIDTSGRFVEILRSSKNA
DHNSLSLLMTNVST EYQSNLRGLETVTSDIVLVPTRSTSGLLVSDEKNSNPNNGNHTDGI
SDSDVIQTQETMDTDAKREHTVISRLMDLCLNGISLKKNSQSVFSIPSKYLEAILDNRGK
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>comp11520_c0_seq1; 632 27 1780 LEN=2021; translated
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SRLTLEKARADCPNEEDYKFSAHAVTVPGTAMGYEDLLK KHGSGNFTLADLLEPAAKLAE
EGFPVQTTTAAH HKAGMAQIVKWLEKGEAVPLSVDGERGPEPGDIVYNPDMARVLRDLGA
KGAKEGFYEGETGNAIVEAIQKHGGLMSQQDLADTKTSFPDPICVSYRNVKLWEVPPNGQ

GIAGLVALKGIETLEEEACSFEDIGSRSSYHRMIEMMRLGFADARAHVGDLDHMKVKCDN
ILDEERLSKRAEDLFDPLAATIAGVPDPSSCTVSFQVVDKGN AISFVNSNYMGFGTGIV
PKGCGFSLQNRGLGFLIGKSENHPNVLGPSKRPLHTILPGMLTYKHTDDLYATISNLGG
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KIQGNVDGLSRAAFGRAQIIKRDPKTGVLWAGSDGRADGCAMGY
>comp11521_c0_seq1; 511 109 1269 LEN=1371; translated
MPEINLETTVGGIPLSTCVYNASGPRTGASAAALAKIAASSAGAILTKSATVEKQNGNPQP
RIWHSGDDLASMNSEGLPNSGIDYYSKTTIDETMEGCGGAAKPYLVSI SGKTLADNLVM
LDRIAKTMEEEKRIVGVELNLACPNVIGKPIIAYDFDQMRDILETISKKNYGFVLGKLP
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KFTALANVRQMRQLDSGIDVVGVGITTRDAFEFLLCGASAVQVGTCHWKEGPKCFDR
IVGELRELLAEKGYASARDCMGKLRPWSKEGAAKTRAAKRAAKSLEAAGGSSTATATAGN
THQIVQVVLVLAVALLLADKLG TINL
>comp11522_c1_seq1; 330 217 741 LEN=836; translated
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KTMVQKESDGT FIVDDAELYKLRQEGKITTKVPSAMGGRVTDVTDVTKPMLVLKD
>comp11523_c0_seq1; 128 1 507 LEN=612; translated
LFQPKQRTNKATMIFSSITKTTLAASFMTATHGFTAPAVSTKGTFSYFGSTLCMSSEGT
AGEDFSLDPKETA FVFIEYQNEFTTEGGKLHDAVKDVM EKTNMLENSSSLLNTARESGST
IIHAPINFEPGHDEISDTAYGILAGVKEGSAFTRGEWGADFSGT YCTH
>comp11523_c0_seq2; 257 1 961 LEN=1095; translated
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CAFASKFAQRVLSIGSVNRNELRSVHIAIVSLEPCCGNVCVFSRFFILSALLFLIISGT
NLDFLLRQKGAKNVVLGGFLTNCCEVESTMR TAYELGYNVYTLSDCMAATSMEAQEATLAH
NFGMFSIPKTSKEIVDAMN
>comp11523_c0_seq5; 235 661 966 LEN=1100; translated
MMPQEGDLTVK GKSGLCAFAS TNLDFLLRQKGAKNVVLGGFLTNCCEVESTMR TAYELGYN
VYTLSDCMAATSMEAQEATLAHNFGMFSIPKTSKEIVDAMN
>comp11523_c0_seq6; 209 1 998 LEN=1132; translated
LFQPKQRTNKATMIFSSITKTTLAASFMTATHGFTAPAVSTKGTFSYFGSTLCMSSEGT
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SLLNTARESGSTIIHAPINFEPGHDEISDTAYGILAGVKEGSAFTRGEWGADFSANMMPQ
EGDLTVK GKSGLCAFASKFAQRVLSIGSVNRNELRSVHIAIVSLEPCCGNVCVFSRFFI
LSALLFLIISGTNLDFLLRQKGAKNVVLGGFLTNCCEVESTMR TAYELGYNVYTLSDCMAA
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>comp11523_c0_seq7; 287 1 798 LEN=932; translated
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CAFAS TNLDFLLRQKGAKNVVLGGFLTNCCEVESTMR TAYELGYNVYTLSDCMAATSMEAQ
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>comp11523_c0_seq8; 239 1 835 LEN=969; translated
LFQPKQRTNKATMIFSSITKTTLAASFMTATHGFTAPAVSTKGTFSYFGSTLCMSSEGT
AGEDFSLDPKETA FVFIEYQNEFTTEGGKLHDAVKDVM EKTNSKPRQGI VLKIDLLENSS
SLLNTARESGSTIIHAPINFEPGHDEISDTAYGILAGVKEGSAFTRGEWGADFSANMMPQ
EGDLTVK GKSGLCAFAS TNLDFLLRQKGAKNVVLGGFLTNCCEVESTMR TAYELGYNVYTL
SDCMAATSMEAQEATLAHNFGMFSIPKTSKEIVDAMN
>comp11523_c0_seq9; 106 1 544 LEN=649; translated
LFQPKQRTNKATMIFSSITKTTLAASFMTATHGFTAPAVSTKGTFSYFGSTLCMSSEGT
AGEDFSLDPKETA FVFIEYQNEFTTEGGKLHDAVKDVM EKTNSKPRQGI VLKIDLLENSS
SLLNTARESGSTIIHAPINFEPGHDEISDTAYGILAGVKEGSAFTRGEWGADFSGT YCTH
>comp11524_c0_seq1; 588 293 1966 LEN=2190; translated
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VNLAQISDIRLFTAQSETLYPLKDYVAKSGKKPVPPTMTAFQKLFGGMPTMKKVL SHPSK
DQFPRNENLDEL SKLYLPPTHPTDLPWPRGIPKAEVDSLWDASDCVN LAPVVHGGETLAR
KALKKKLKDANWVATFEKPQTSCTSLEPSTTALGPYLSWGCLSPREVWFAIDKAIKSSV

TKVSKPPVSLHGQLLWRDFNNLMAHDANIHHPGSWNHMEGNKYCRQIPWDDDDPKLVEAWK
EGKTGFPWIDAAMRQLAQEGWIHHLGRHAVACFLTRGDLWQSWEEGAKHFQAQLLDADYA
LNGFNWMLSCSGFFYQYFRCYSPISYQQKNDPTAEYIRKYLPELKDVPKYYIYSPWEAP
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>comp11525_c0_seq1; 240 100 948 LEN=992; translated
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VVFECRGLSLQSTFATACTIFHRFCHATSLETDVWSVAMASTLLATKVEDEPKSLKQ
FIEEHAKIYARRLVLADLSRQQSGNNSNSEKTLEDLVQATPQLAFLRSPIEKWRKAEDR
RRVCDTRLPPQQLNKFGVPYKEWYEQITKMESILLRQLGFTFWHISDSHPHKFILNFCQAL
ELHDAKFAQRAWDYCNDSRDLDSLRYLPEIIVSRLCPSPI

>comp11525_c0_seq2; 196 1 630 LEN=1499; translated
XHYHGENLSAKTFRDNTGFTKRSVVTFLRELIXISDALTLDDIYAHVIPASFSIQFAQRA
WDYCNDSRDLDSLRYLPEIIASSSILLAARDFDAALPVEPRPWVEVFGSETTEKGGQV
DAANAILGTSDLGTSDLRSRGTGKDRGVSNEGEDDDDTKYRVSMMLAASKGFLRSLVNTSSN
GDAETSFNDPDSFLWFCQKEIFEKEMKNE

>comp11525_c0_seq3; 162 1 418 LEN=1287; translated
XRSVSFFIAQASSSILLAARDFDAALPVEPRPWVEVFGSETTEKGGQVDAANAILGTS
DLGTSDLRSRGTGKDRGVSNEGEDDDDTKYRVSMMLAASKGFLRSLVNTSSNGDAETSFNDP
SFLWFCQKEIFEKEMKNE

>comp11525_c0_seq4; 337 100 1305 LEN=2174; translated
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VVFECRGLSLQSTFATACTIFHRFCHATSLETDVWSVAMASTLLATKVEDEPKSLKQ
FIEEHAKIYARRLVLADLSRQQSGNNSNSEKTLEDLVQATPQLAFLRSPIEKWRKAEDR
RRVCDTRLPPQQLNKFGVPYKEWYEQITKMESILLRQLGFTFWHISDSHPHKFILNFCQAL
ELHDAKFAQRAWDYCNDSRDLDSLRYLPEIASSSILLAARDFDAALPVEPRPWVEVFG
GSETTEKGGQVDAANAILGTSDLGTSDLRSRGTGKDRGVSNEGEDDDDTKYRVSMMLAASKG
FLRSLVNTSSNGDAETSFNDPDSFLWFCQKEIFEKEMKNE

>comp11526_c0_seq1; 1066 131 4208 LEN=4543; translated
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TGDQPEAIDRLVEQVQRGDKYSVLRGITGTGKTFVMAHTLARCNRPALILCHNKTLAAQL
ARELRSLLQKNQVHLFVSYNHYVPESENEKIGKFTSKSSISKELNALRHLTTRALVEH
SDTVIVASISCIYGLGLPASYLDSAFTEWVGGAQYSEEEIIGMLQGGMYTSKENE
LELSDTTSLEHGEYHMSRSSIDGALSVILWPTEPSAIRVHFVNTKTNKENLSYSIGSID
TICPNDDNTFRMESVTIFPARHSTGSDERFEESLSRIQEELSNQVKNFNAESKFVEA
DRLSRRVSEDLMLLRETRNCNGIENYSRHLALRNEGAAPDTLLDYFGSQNFLLFVDESHV
ALPQLAAMYRGDKARKKMLVKHGYRLPSALDNRPLKEDEFWDRVTQTVFVSATPSKKELD
LISNIHENTPIDMTIRPTFVCDPPIDIRPTGNQLEDLVAEVKKRIERKERSLAMTLTKRD
AEDLSSFLIEQGIPTSTYIHSGLKTRERSDALKSLQLGKIDCLVGVNLLREGLDLPEVSLV
AILNADVEGFLRSETALLQTI GRAARNQNGRAILYADRITDSMEKCVSSTRRRREIQLAY
NKENCKEVRSAKSSFLPIFDLLSDKIKEETALDEESSTSEPMTASAAGYRKGESTVHVL
RNMDLNRLPKPKPGVYFWKDRDSNIIYIGKAKQLRQRIMSIVRPRAKHGSRIKAMLA
KSETVDFLITPSEADALLLEANLINRHKPPYNVLLKDDQSYPICASVGEDELPEFRM
VPRRQVYGDAGTYRYFGPYPDYSIDITALEGIEETYGLRSMRFRKARFGDFDKEAYQAR
FDEAFREVFQTSEGSPMVPLSNMRLKGEAEASIIFDSAYNKS RDVVVVVESDFLNEI
IVLVLQLRQGI VIGSFSYIFEFGKGHIMDRDLSEAIEAVLIERHYRSGEAPLRAGYS
FFPDEILVQHPIRNLKELKDVIKLSRDSVEVERKDAKISVRKPAVSGSKKKVDARVIE
FALQNAKQVARERETRRHGDALLTSVDGTAATELASLLSLEAKPEKIECFDISHLQGEA
AVGSRVVFVNNRPPQPHLYRFRNVNTVADTRDDYANLEEV LARRFLRARSVNSFDP
VDKDDPWAVPDVVVIDGGKGLAAALRGMKARVFPNSLYSNETMYKDVES
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SSHKKRRSNMNL

>comp11527_c0_seq1; 629 168 1682 LEN=1789; translated
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VTMSSVEDQKKTFRPNPVVSAEAEALSHSETTMKLTTPSYDLFQMLTEEGGEAP
ATTGGNAMRDG SVLKGTKIDELQGVQLSMFKGCGKMKIETLPDPFKMVEKELQ
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SDSSTAHSVDIEKEDTEVFEKIGGAAAWQWSGASKINVDGGMITPENHKGSDA
WRKQAQLGQIVEMIHVASLIHDDVLDEADTRRGGEAVHKLYSNKVAVLAGD
YLLARASVLLARLENTAVVQIMATALESVAGEIMQLKAPPELLEMESYLRS
SYKTA SLICYACRSTALLGGHAYGSTVATACEEFGFHMGLAYQ

IQDDILDFTAAASVLGKPALADMDLGLSTAPILYAAQEFPELKPLVMRRFKKKGDKKEKAL
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>comp11527_c0_seq2; 652 455 2053 LEN=2787; translated
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SVLKGTKIDELQGVQLSMFKGCGGKMKIETLPDPFKMVEKELQPFSDSIKELVSTDQPI
LSMAAKHFFEKRHGKFRFRPTIVQLMAKAVAAAASPEHMTSDSSTAHSVDIEKEDTEVF
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DTRRGGEAVHKLYSNKVAVLAGDYLLARASVLLARLENTAVVQIMATALESLVAGEIMQL
KAPPELLEMESYLRSYYKTASLICYACRSTALLGGHAYGSTVATACEEFGFHMGLAYQ
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>comp11527_c0_seq3; 652 224 1822 LEN=2556; translated
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SVLKGTKIDELQGVQLSMFKGCGGKMKIETLPDPFKMVEKELQPFSDSIKELVSTDQPI
LSMAAKHFFEKRHGKFRFRPTIVQLMAKAVAAAASPEHMTSDSSTAHSVDIEKEDTEVF
IGGAAAWQWSGASKINVDGGMITPENHKGSDAWRKQAQLGQIVEMIHVASLIHDDVLDEA
DTRRGGEAVHKLYSNKVAVLAGDYLLARASVLLARLENTAVVQIMATALESLVAGEIMQL
KAPPELLEMESYLRSYYKTASLICYACRSTALLGGHAYGSTVATACEEFGFHMGLAYQ
IQDDILDFTAAASVLGKPALADMDLGLSTAPILYAAQEFPELKPLVMRRFKKKGDKKEKAL
EALYSSDVAMDKAKALANFHAQRAVDALMRLPQTEARDALVRLTHTVITRKK
>comp11527_c0_seq4; 629 224 1738 LEN=1845; translated
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SVLKGTKIDELQGVQLSMFKGCGGKMKIETLPDPFKMVEKELQPFSDSIKELVSTDQPI
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IGGAAAWQWSGASKINVDGGMITPENHKGSDAWRKQAQLGQIVEMIHVASLIHDDVLDEA
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KAPPELLEMESYLRSYYKTASLICYACRSTALLGGHAYGSTVATACEEFGFHMGLAYQ
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EALYSSDVAMDKAKALANFHAQVR
>comp11527_c0_seq5; 629 455 1969 LEN=2076; translated
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DQKKTFRPNPVPVVSAAEAEALSHSETTMKLTSPSYDLFQMLTEEEGGEAPATTGGNAMRDG
SVLKGTKIDELQGVQLSMFKGCGGKMKIETLPDPFKMVEKELQPFSDSIKELVSTDQPI
LSMAAKHFFEKRHGKFRFRPTIVQLMAKAVAAAASPEHMTSDSSTAHSVDIEKEDTEVF
IGGAAAWQWSGASKINVDGGMITPENHKGSDAWRKQAQLGQIVEMIHVASLIHDDVLDEA
DTRRGGEAVHKLYSNKVAVLAGDYLLARASVLLARLENTAVVQIMATALESLVAGEIMQL
KAPPELLEMESYLRSYYKTASLICYACRSTALLGGHAYGSTVATACEEFGFHMGLAYQ
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EALYSSDVAMDKAKALANFHAQVR
>comp11527_c0_seq6; 652 168 1766 LEN=2500; translated
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SVLKGTKIDELQGVQLSMFKGCGGKMKIETLPDPFKMVEKELQPFSDSIKELVSTDQPI
LSMAAKHFFEKRHGKFRFRPTIVQLMAKAVAAAASPEHMTSDSSTAHSVDIEKEDTEVF
IGGAAAWQWSGASKINVDGGMITPENHKGSDAWRKQAQLGQIVEMIHVASLIHDDVLDEA
DTRRGGEAVHKLYSNKVAVLAGDYLLARASVLLARLENTAVVQIMATALESLVAGEIMQL
KAPPELLEMESYLRSYYKTASLICYACRSTALLGGHAYGSTVATACEEFGFHMGLAYQ
IQDDILDFTAAASVLGKPALADMDLGLSTAPILYAAQEFPELKPLVMRRFKKKGDKKEKAL
EALYSSDVAMDKAKALANFHAQRAVDALMRLPQTEARDALVRLTHTVITRKK
>comp11528_c0_seq1; 198 1 2168 LEN=2244; translated
XRQSTLKDSTGRRHLGLTEWMPISIFSSKRTMPPGLDVERHKDTEDMASRTTGQTSPLPADG
RDTGRLGRDRKRRRRRRRKHLPDPNLIIVILAYCDASDYISLLRASESVFVTPPLRFHLC
SADSLSSLRKYPNLSLVGNQGGQQLAVQVLLQSLFGRCPNRNLKHLEISNLRGITGASW
FAGLSKASLVSFDTNLCARLDHGVLLDYLNNCPTTLRHLHLNGCRCVGPAILACIGRRHP
GLLSLGLSQRIGTPDVFALLRVLTSKHLDLQSLVHIHDKESPESEDYFLDLLPDGI
ESLNLGTGKPLRLVSHDVFMTNTYLNRSLEYMHAVQGRVQRVQDNLRALNNEGIANEM
LHGNRHVLDLDFQPDVYIWKNEPSFRLKIRHLVNLGAGSPHSGIFRGTVATFSLGRCLREVH

LAGCEGVSDWEIQALAVNCGETLTCFQMRAGTIGNQALQSLAKYCRVLGEVDVSACFGIG
DDGIIALCHNLRRGERIGGCKGGKEEAPPASKRSRTLRLPSLKILRVASLPRLTNRAIEAV
AELTSLIILDIQQCSKVEPFVHKTIRRLPCLVEVNAKDIAPRSIPLSLWLRNDPGVTRS
LKFVNQRVFFHHSELTEGCQKTGTLKHCCIARSRSQRLSGSVPLAQMYHCLDCNMI PALD
RGFCVECKLRCHEGHKTFLGSFARFSCDCPFVDANNVCLAFRPPLLPPTTEQDSAVEGGN
AK

>comp11529_c0_seq1; 1343 224 4970 LEN=5255; translated
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GQSFFQARIVSTSPRHGFPPSKDPSGQSNRVVALTGLMPGQLPPHQRSQSLSLQQRQE
TLSRFKSAAEKRPIDGILPSGWLEKHAALPSVIVVVAQIHPHQETQQRQDDLLVEALE
NLQHS LAPKRKVDVKVVALVREGVSPILAEQWSQGILGRLPSFLRGDNADNAEHESLVTL
VEEKELRSDDQGDNTNPVDPEDSSSSALPLLHYSIRKSSIRYYKDRSREVKGKLLRLGG
PQAAMTLSPALFPLVIRYCFKAAVFYEFQWKQEKSLKYMLEAYRLVETYYRYLLTVQHDK
EIDAHNGNDDQD TDAGNKHPDANPGPPPLPDI STTLSSASSEQVDFDCGEGVEMSLPSTP
PAVASAPSFSEYYALARTTVVAEDMVHQCRALADWLNFKILQLCLVSHERTGMLAASVQ
WQRHSRAFCCPRRSFLHTEGAPWLDWSYASQQLLVVSQLLERHPPRALGRLGAPGSEEFD
EDLLRCCSWRTEGAAEALLKTGHRIKNSGEMGEPSPKESPETTSRIRYVGGLDHEGFRP
LFQEE SKKNHMEALNLCALRGIALFENEVNQLKRDKTLIPWTRSGARLRYLAGGALLALG
RHSEAI PHLEKAI GLCKGWDY LESLVRLLIECFQNLGDLHTLSAGGDASSRQARTSFLL
DCYFRAHLPADELSSALERLAE TNVLDTVESGVKCKIRWNLGTGNDEMGS SGLPFFFDL
SFPACTHATAGQVKVAVWIKSNLNYALCINLSMLTLLGPLSIPSKDIPVGETGMVVVQ
PYEAEIEFGTEVTLPGDLDPATDGTSTVAGDTNAAVPNSSPVKAVTKPRLKTSGF SAGGG
TRFVTENDVASEACLGKTLRCDGISMLLAPLVPATGSSNSSTTNIELTIKLEPEPPPN
VRRSTFDHNNYLSSAWKRPA CLSMNEGPTCLRVLP SANMIVTNVTDELTKGTALEGTVN
RIVLKLQAPDDEVCTNILVSLNCSSVLKTSEGATKLI VLNESDVDNDDQKDLEDMMNPRV
RNPVLVKNNASKTFMTDFGYILPDGWSAIGAGDGHGNTSDYKIEVSPLNAGEIGYAYFD
IYRPTPDPTTVYGGVPRDMNLYDDYKCKTNIDVSI RYSQEGKVIKEASRDRVKG DYVSL
DHTVSLEWSSPLSVEFSTTAQDAYPSGNRHNSNILPENGS PPKQDLGLPVKETILIDNNR
ILTNGIMHSPASTAGL FVEVEKVQFVENDRDKNNSCFKLLSDNDSNGTIYKGEADHPSIK
QGVGSKISFAWIAEACMEKQYREESFTLPLGTILVQWQPLPFELSKEVQFLQKDSFTGSH
GPLKLHQPGTCRFNGPLCYIESAPFEAKPENLPDSIQVAVP FKMYSIKNNTPLDQELEI
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>comp11529_c0_seq2; 448 224 1368 LEN=1368; translated
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RPDRNGRQSPLLKTLNRMGSKRNMRRNRNSGDFARGGDPASPHQVEIDFPPSFCEALQQ
GQSFFQARIVSTSPRHGFPPSKDPSGQSNRVVALTGLMPGQLPPHQRSQSLSLQQRQE
TLSRFKSAAEKRPIDGILPSGWLEKHAALPSVIVVVAQIHPHQETQQRQDDLLVEALE
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VEEKELRSDDQGDNTNPSPPPX

>comp11530_c0_seq1; 257 323 1255 LEN=1255; translated
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DEASGSAFPVPRAETVPAQQSAEQKREKARRKRAARKARAAERRRAGEEAAERRKCAER
EAAIAIASWFRCLA EHRFRRTRSAVVRLQALS RGVLTRATPTGVGRREHLDAFRRFYRV
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INDDDHVSNNN

>comp11531_c0_seq1; 318 1 701 LEN=846; translated
XDEENV DGEKPSRKELRQKKRQERK KKKNEKDI EPENKDGDDENLLSRKEKKKLNK
RKQKKLRRKEKRAELKSVLKGGEVVAEAQEGEGESGVPEDKENNVASRRRSRRK
LRKQRQKEFQNL EDRSSNVNMEPFAEII TVSDPTRKGNENDSETTLTKQLRRRKRKELR
KKLLEFGTGEVIDHAMTTDLIWDKVAL LQQATNTNSGGLRGTGSDAELNDLF

>comp11531_c0_seq2; 871 1 1332 LEN=1332; translated
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DAGSKETRAKTSRKS NKSEKSEKSHKSEK GAVVVEPKDKGETTSPIRLPAILPTRSPTQS
PTRAPTMSKEEKEK LKKKKRKKRKEKEEENKTEGDKEEKGD TATYAPTLSPTNAPTAS
PTKASTTLP ESSPSSL LDDVPQATPYPTESAFPSGAPNLSLLPSDSLYPLLEDDADIQ

YTLAKDSKFDTKDYKKDKQDKHKKKVDKHKHKKNDKKDESQDEVDKEYEDEDDEDEE
DKNHKEDKKQEDKKHEDKKRKRKEKVDKHKHVKNDHDEKNYRKEKSHDEDDDEEYD
EYEEENEKDEIEYEDEEETDEEX
>comp11531_c0_seq3; 339 1 387 LEN=387; translated
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NPLSDQIDDX
>comp11531_c0_seq4; 755 1 1069 LEN=1069; translated
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EENKTEGDKKEEGDDTATYAPLSPNAPTASPTKASTTLPSSSPPSLLLDVQPATPY
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>comp11532_c0_seq1; 65 2324 2431 LEN=2431; minus strand; translated
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>comp11532_c0_seq2; 268 290 1298 LEN=2543; translated
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GGCSEISTIFLVLCDFDVYFPAQDRGSLWGVIIILFCQVAFTFSFLYRVIQWVQVQVSLW
SDVFFVAKKGSIEDYRPGKRWFLFVFLAMDFVLGSLQVYWFVGFLLPKILELLEADQCWH
GAKLEGMEVKEEIFVAIWNDFHAKYHVSVAASP
>comp11532_c0_seq3; 65 2166 2273 LEN=2273; minus strand; translated
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>comp11532_c0_seq4; 205 290 877 LEN=2701; translated
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FCQNQSDGGENCIRSDLFAKQATS AVVQLYLGGMGFLTWHATKKVDKGIPTPEGRLEFGY
LDEADRLNAAIFVYQTFDFFTSMTVPEHNTTIFLFHFLAAVTSLLSLEYQMVHYAIF
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>comp11533_c0_seq1; 350 118 1890 LEN=2183; translated
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TEAILHVSYS PDGLNLASGGDTSVRFWDVNTSLPKFTCKQHKDHVLC TSWSPDGRFFAS
ADKRGTLILWDPHRKRKRGNRETGEKSLSEPIWIKAKAHKQYISALAWEPLHLNQGRGE
RIVTASDKGTCKIWNVRTKQSLVTLSGHTDSIEAVKWGGEGFIYTASRDRTIKVWTAKEG
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IQFSPDGRYFASASFDDKVKLWNGFSGEFLTTLTGHVGVAVYQVAVSSDSRYLVTASKDST
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>comp11534_c0_seq1; 616 230 2038 LEN=2160; translated
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VLPFP TAVTAVLYVPAVLDPSIGNPIAGLFFVAWFLVLPRIATSGVAKSFAFGWRVVC
LLLLVAVSEYAGAMSAASERFRSRFTHRHEHHVGT TASSLWPMVALSGSLSCCAFACL
GSSLRERLSWWWRIGLNVLGPLLVDATLYVCTTPGAAAFESTPYHDHYGKFFPLLSIRW
LVDFLVEKENDTERFWGLVYVWCVLVASSVPTLA ILSMASPNKTGKTDAQKIQRTTAPK
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FYTAFLLDRKDSGDQVIVSHLFLIVGCAIPLWIGQVLDALIAGAPSADAIAIANADGEAE
NALLLEQHFSVLLLLAEFGVLCIGVGDAMGAVVGKSFGTHKWGRNQRTLEGLAMWSSMV
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YV
>comp11535_c0_seq1; 249 130 906 LEN=963; translated
MAI IHTPRTLISIGRILRRRRRLASANSNIDSADKAVASNFGVFPVPAQTSVGSNVEGNA
SSIDSNTNNTINAHVYNCRANWFWDLDYIGHMNNASYLTHAEYARWEWTAETGALQAMYR
TRTNFIVTSTAVRFRKEIAALRNAFEIHSLLRGIDEKHFVISQTFRNPSDERILAQVMVQ
AVAVRNRTIVPPRTMLDAMGLPGEIVDSL LPSNSDEQERSDFVDGENAMDV LARFMDLD
EAFRHEATADDQWLLTRK
>comp11536_c1_seq1; 353 1 3264 LEN=3306; translated

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EIFFRLHNLIKTRDPLSIKVAIYTAERLREVDFTENVLRMPLVDSKAMDPDQLVQNLHS
MGWLLKGLSCELQLLVGFTGDFASQSEFGRYFEQHPARCNSLLSSLYGSDTGVRNLVES
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ATKWIIEYFNFIANRNCVSHVTNAISVLVDASLYCAEAMSQYHTSLESSEDFSDSWLRSN
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LLQLAALVARIIPASSIGNDTAEAAFRYERTAALGSALALLRSSASLEPGFAAQYRDD
FIGAAHGLSRISGFKVDSKDDSHGIVSVLARGCLASIVLALSPIENESIVGMSVCVSCI
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>comp11539_c0_seq1; 196 215 1104 LEN=1104; translated
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>comp11539_c0_seq2; 299 258 1070 LEN=1116; minus strand; translated
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ANLSKEGKKSMTPERFKLLDELGFKWSSPTPARARRNSKPLAVSAKKNSNSAEATVQKQ
EVKAEQTAGVTATPVVDEKPPDATTVAVDGKVMVTGATDAVVTNGVEGELEDPTKLDAGN
AKDPSHLEAAKQVEI
>comp11558_c0_seq2; 262 199 573 LEN=776; translated
MTPERFKLLDELGFKWSSPTPARARRNSKPLAVSAKKNSNSAEATVQKQEVKAEQTAGVT
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QVEI
>comp11559_c0_seq1; 544 1 1899 LEN=1955; translated
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LVADALMSRSGGSTLAQIIALIETKAYISGERSNERQKIMRLAKMRSSTINTMNSNGDPP
SPASVRASLLTLIQHSIVNVKKRTRSFSTSKKSKHAVTRHKSTYLIEIDIDRARIFPRYP
QFVEYIKKQDETAAILVEEMLVQGRVRTVQAITLTVQIQKQEDDKGETSSSRSDHRY
TSRQAVLESFLRLARNGYIEEVSKVKEMKEDDDEGETEFERPVVTANSNDDGFDHDEDPT
VVSLLRGTGPKNLPKAIWRINTDMFHEQMRAVRLGWLVAERYNHKIQSSGSIVSAALKL
AAHNRFGNTNLKSSSNANNSHGNSSIGAIDFESIHNFTVEKIPRFLPKTIVQNLEKKEG
GVIDNIYKALVELTQESNPVVVEQVEVAPGQPGQCKFQIQTRRLVEYLRDRIVHQI VWDT
HGEI AARIC SILRSNGYMESDQIAAASMNPAKDTLELLYCLYRDNYIDLFNINQKQHN
SSMIYLWGYSRHRCTRTRTAADNVCKALCNMRLRRQHEVEVGSNWIEREKEADATDENDNEA
DKLMKARFWQGLERLDNAAIQLDETLIILKDY
>comp11560_c0_seq1; 284 64 1114 LEN=1267; minus strand; translated
MCAGNGSDRRKPSSEPRSKQTCGGTDSRKARVEAEWTKKRAIAPSVARRIPLAWMHPFGA
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FFFVQFQHETKGNRPLLVEPPVSEVDKLAGPSGDHGDPAAVLLARVSGTTGLCFGKVR
SWEAVGSGLGGGRVPPDPLDDKALDDPEAVVPVEALPHELQKGRRRGRLPGRVPAADG
DPEQPARGGLGVLECGVDTKHSTTTTALSASASAAAVVRGTPAVLLPPARILEGGASGG
VNQRTSAPKKRAASAQLRTSAAAVAPVLPRLRGHGEDEFGGTGLGFMGG
>comp11561_c0_seq1; 502 191 1666 LEN=1705; translated
MNETTSRYAVWSYATAVCLVCAISLNGKSAVVHGFGEKIHHRNPQAVASSLRSSSSPFE
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HTIVIGAKRSDCATCFDSMETRTPVQYTPDNILKKSRLAGVSMVNGPSILRSGAMATE
LILKHGDGRIRATFHHPVWERGVEPGSCPPQGLKFRAMLSREALRPTAPTVEAKDV
PADGNPVFFRPVPPFNWKKWSGTSWTWGPQSGNRGWALDDLETDTSWQGITPVDCWNLR
LPGGIHLQAPRIINDASVVICRLAWLPTDETLRVEAGVSALQPMVMEDDTMVGFEPPAL
SSLRCDMLEKTGELENASRPSRDWNADGEDVETLQSLQNKLSIEALEERNSAQLDSFVD
QNDQWESLEPDERELLSKAEVVKKIEELSNKNTNDIEPPSIDESNKTVKKITKTDDATV
TPATPRDYLSL
>comp11562_c0_seq1; 650 210 1274 LEN=1310; translated
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KTKSARGGRDRRQKQSEQRAIDKERSAKVGTVLEKLEEVLEERTGKVGDI LAVVRELLEI
PSNDNGDLRRLLSGKDRSDYRLAWVGSDDALCHVGTGLHKVPLARMKEVFMNCLGKNKIE

ILEVISILGPPFNVKNLVQGTAKPSSSGSAGSEMQUIVYDTMYDGTGKEIMAGTDDNIRRV
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>comp11563_c0_seq1; 500 355 1563 LEN=1742; translated
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LLKSINTGDREKEEEEIRAELRQVEGQDPDLVYKVELEKLRQKARREGRDEDAMRHSIIASA
ARSILPQYNLEGLWVGKYQHGYEMVNVTYQGDLLVAYKVTGDKNVPRGEITFQADLDPL
HRGANVDSSGDPSTPTVEQLQPIILTDKAARKWGTSQLPRHKGLGQVAEAGFKKNQWMEG
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>comp11563_c0_seq2; 384 355 1707 LEN=1886; translated
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LLKSINTGDREKEEEEIRAELRQVEGQDPDLVYKVELEKLRQKARREGRDEDAMRHSIIASA
ARSILPQYNLEXTMGWKVSLRGNTDDADDDAXNANGMTLTVSHRFSSFIIIWALSKCNYH
NLXLIRYQGHGYEMVNVTYQGDLLVAYKVTGDKNVPRGEITFQADLDPLHRGANVDSSGD
PSTPTVEQLQPIILTDKAARKWGTSQLPRHKGLGQVAEAGFKKNQWMEGQLIIIGQEYFS
FAWVPIEQQIFFGRPSPELALKMLREAGGTGIAPVKSWEPTPTMDADVTVMKDYIHSCK
KTAESDDFLSGDPFSCIFVDGDTEECYLQ
>comp11564_c0_seq1; 447 255 1025 LEN=1593; translated
MARFYLASFIATIVALSLVQAQDQGGYNDYGDYAEYQDYNNDYAQEDSLYYDYAERDE
RKNSPATGGGGVGLKLVATGIASWIMGARFHSGRAVKELKRKHKSEQKKLYSQYYNDVYKL
GDQNNLLQEIEELTALVKSTEAKAELEALQRDYDEFKQPDLDSDDRISRAEFNMYVKDY
LSNYPGLTEKDYPKFEDFDHGDGDGYVSFEEYSQQMAVQAEQAELEELYGKSGNSAAKAQ
AYSIDLARGAGGNKMY
>comp11564_c0_seq2; 438 255 1270 LEN=1838; translated
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RKKYVXFLLICWRVLRWIVNEPVVDSRKRCSLLMLLPSCRFFKIVFQGDSSDWAQSYITL
LIASFLLNNVIRNSLNPLSFAHVRSSPATGGGGVGLKLVATGIASWIMGARFHSGRAVKEL
KRKHKSEQKKLYSQYYNDVYKLGQNNLLQEIEELTALVKSTEAKAELEALQRDYDEFK
QPDLDSDDRISRAEFNMYVKDYLSNYPGLTEKDYPKFEDFDHGDGDGYVSFEEYSQQMAV
AEQAELEELYGKSGNSAAKAQAYSIDLARGAGGNKMY
>comp11565_c0_seq1; 711 105 2756 LEN=3130; translated
MTAAIETNQDGGESSDPKQQHQKMASSTSSRYPVKIKRPTTSDSGDPTDDCLFDAQRI
FRLVEDERYLSANALYQSVRERIQQGEIDGIEFGGRRNNSGTLGSIKGRKMPMPKKKNS
SRKGIIEQRKAAMELLVENEIILNKMEDRCIMFEKAKLNINNDDDWTLAQSLFGVTTFY
RHEQDGSMSIKLEGPVKDCSLFDQVAVLREFDLNHLWAPFCTASMTVAHLGKLDTVGWFL
VGLPHFGLMRDSLFRAGCDSIYEDGSLIIVATGIEDRPEDNNDNKTNSQVQDLPDLSLQ
SSFDNFNAEEERIIDEIRNDPLLKSLDLPPVPTRMGGGRLTLRSFAGQIHLESPTAATTKL
VANIDPNMKLIPQALLDFVMKRMCGVILNKMQRAAKYINDDPITNLHAIRMREDKDFYKT
FLLPKFEGVCKLRGWQMPPIAAFELSDAQLEMADVFMKQKHKSEVTAIKHYGATENNLE
TFLES PRNGEASVANGPRVTRDMHKDLDDMSDI SKTTVATFNPIEHYKRYVEKTNRK
AREIQEARERAARRLQPKALDDDAIVRLNQLQNRQRQKAREPKSRGKTTNSPIGVEPDG
SKSFADNTNRRWKVSLRSHSFFTKVFLVQLMVTFLFCMLYLDSAFQKFAHRNGPYQSER
GRDLATLAYMGMVSLVHAIFCYVAMIYAFGALQLGSIAGKRTRLFYSEYVHYAVVLSAT
MVGFGIVKPGMDRALKWIWNWYSVNLNVLSFLLLEKIPDKGIVALQMALSGILSVIFSTK
TLILESNI FGRCIVHVTKTSVGFGLRTIRRPFETYANSIQQYEDGVDSMPWREDAFLTT
RALLSHSAFFLLVLLFLFDFSAKKARKAIYIDKSRDSGTTASF
>comp11565_c0_seq2; 476 191 2098 LEN=2472; translated
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KLIPQALLDFVMKRMCGVILNKMQRAAKYINDDPITNLHAIRMREDKDFYKTFLLPKFEG
VCKLRGWQMPPIAAFELSDAQLEMADVFMKQKHKSEVTAIKHYGATENNLETFLES PRG
NGEASVANGPRVTRDMHKDLDDMSDI SKTTVATFNPIEHYKRYVEKTNRKAREIQEAR
ERAARRLQPKALDDDAIVRLNQLQNRQRQKAREPKSRGKTTNSPIGVEPDGSKSFADNT
NRRWKVSLRSHSFFTKVFLVQLMVTFLFCMLYLDSAFQKFAHRNGPYQSERGRDLATLA
YMGVSLVHAIFCYVAMIYAFGALQLGSIAGKRTRLFYSEYVHYAVVLSATMVGFGIVK
PGMDRALKWIWNWYSVNLNVLSFLLLEKIPDKGIVALQMALSGILSVIFSTKTLILESNI
FGRCIVHVTKTSVGFGLRTIRRPFETYANSIQQYEDGVDSMPWREDAFLTTTRALLSHSA
FFLLVLLFLFDFSAKKARKAIYIDKSRDSGTTASF

GLTASAESAVVQIAALGPATTLFDSLVTYTYFLAIATTNQLAPGLAEAAATETGAAASAC
GSKNPWRDLRKSASHLLGLAIVFGSLVSAITFVFGRIIEYMGAGSTNMGAAEAGAIVP
LATNYARIRAAVAPVSIILGFVAQSVSTNFCVDLLVAAVVAGRVGVCRGAXHTAFRFDAMR
FDSILFDRVWIDAVFALLIAPVLLIPIFGXGESNESTTNNNDALTVLLVNLDIATPAIAV
AAASVVNVVGDALALSARYGIQGAAVATAMATVTSCAILLRKVRKTTNRWKMKQEDLER
>comp11570_c0_seq1; 701 262 1848 LEN=1892; translated
MTKSSVCGRPFADVPNVKHVGTAKAFASAAPSSDSRETASNHSKRVLGQDASKKYEELMG
ASKLQLAPMMEYTDHRHRLVRLVSRKTLTYTEMVAANALARERDDCMKDYERTAMEDSS
RTSPPSRQEIRENYADHYLQRYLSQGHIEPLEGPSVLQLGGSDPKQLYEAAQTVMDMTDR
GHCDYTALNLCGCPSPKVAGKGCFAALMDEPRLVAELTNALHDGCDGKLPVTVKCRIG
TDTDEPFTMEGYAETDPELEYKNVCQFIETVASNSPVTDFQVHARIAVLRKSFSPADNRK
IPPLKYDIVRRRLATEYPELTFSLNGGIDTLSQAQDQLNQCPENLNGIMIGRGAADPWGFA
MADSLLYESGNEEGFTPRNRLEVLTEYVKHADAEERGDVPIRRFITKAVQTLFTAEPK
AKRYRIALDEIGMPKLLREGKNLADQPPLSELILNAAHTLSEEVLLRTPPEESYERKL
YDERKSALRAGRSSAVTDWQLERIQQQKENGGGTYEAALAGGETSIRD
>comp11571_c0_seq1; 462 82 1959 LEN=2394; translated
MIDITSKDEDGGSREGPQPSKFS DHASRLIFGSCNSQHIEQPFWKIIGERNPAAFWVTGD
SVYADDRPKQSVGGRELHSGNLDASWWWPSLSRVRSRSPGYADATPDYLRRELYRQQLEV
PEYRDLITGGGISIFGALDDHDYGTNNGDKTFPFRTQSGIEFTRFLGLDDRSSAMARRAS
RGAGVYGVQVYDFSSAKGRLLSDADAGLDPDVIIPDATYRDRRNDSGDNNGGSSSNNSDKL
VAVFVLDVRSNKTPWAKGFPERYALNPEGDFLGEDQWKWFETAIGRSNARVNIIVSGIQV
HAPWFYDSNKIENWSGFPAAQHRLYQTVLQPNVRAPILFSGDIHMAQILRKDCRRMASGT
DLGNEGDSGKGSQRHRTLRLPLYEVTSSGMTHSWSSNSGRCGRPKNSRLCSFYFPFNVLVE
IVMTYAHYASPWTALLRGNDDDRGDGSRGAGGSRERRAGAQQRQYTLERNIAEVEVDWE
ESVVTVRILGDRGQTLRQDWSMDRLTGGGEPGIPGAGSLLGDPSFEEGQKRLESSLRRG
FPSDHGEYICVNYRGNIDRVHFAFSVSTIGVFVAIGTYPFLLCLGLVLARWVLRRHGKAS
PPVRRRREAGTGKSTSGKADRPKTD
>comp11571_c0_seq2; 91 1 959 LEN=1394; translated
XFVVRGKCFSGFPAAQHRLYQTVLQPNVRAPILFSGDIHMAQILRKDCRRMASGTDLGNEG
DSGKGSQRHRTLRLPLYEVTSSGMTHSWSSNSGRCGRPKNSRLCSFYFPFNVLVEIVMTYA
HYASPWTALLRGNDDDRGDGSRGAGGSRERRAGAQQRQYTLERNIAEVEVDWEESVTV
RILGDRGQTLRQDWSMDRLTGGGEPGIPGAGSLLGDPSFEEGQKRLESSLRRGFPSDHG
EYICVNYRGNIDRVHFAFSVSTIGVFVAIGTYPFLLCLGLVLARWVLRRHGKASPPVRRR
REAGTGKSTSGKADRPKTD
>comp11571_c0_seq3; 374 82 1023 LEN=1073; translated
MIDITSKDEDGGSREGPQPSKFS DHASRLIFGSCNSQHIEQPFWKIIGERNPAAFWVTGD
SVYADDRPKQSVGGRELHSGNLDASWWWPSLSRVRSRSPGYADATPDYLRRELYRQQLEV
PEYRDLITGGGISIFGALDDHDYGTNNGDKTFPFRTQSGIEFTRFLGLDDRSSAMARRAS
RGAGVYGVQVYDFSSAKGRLLSDADAGLDPDVIIPDATYRDRRNDSGDNNGGSSSNNSDKL
VAVFVLDVRSNKTPWAKGFPERYALNPEGDFLGEDQWKWFETAIGRSNARVNIIVSGIQV
HAPWFYDSNKIENW
>comp11572_c0_seq1; 247 243 797 LEN=946; translated
MKPAWDKLGDEYAASSTVLIADADCTDEAAQQLCQDFGISGCTYFTAGAVFFAFLTAKNF
KSTLTLTFAIFMIDLTXPSYPTFSPTIKYFLDGDKEGSDYQGGDRDFGSLKQFVEDTLEI
KCNVDDGSDCTDKEKGYIEKMKAKGSDERAKQIKRLEGMAGDSMKAELKDWLRKRLHILR
MLER
>comp11572_c0_seq2; 247 243 797 LEN=922; translated
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KSTLTLTFAIFMIDLTXPSYPTFSPTIKYFLDGDKEGSDYQGGDRDFGSLKQFVEDTLEI
KCNVDDGSDCTDKEKGYIEKMKAKGSDERAKQIKRLEGMAGDSMKAELKDWLRKRLHILR
MLER
>comp11572_c0_seq3; 287 243 668 LEN=817; translated
MKPAWDKLGDEYAASSTVLIADADCTDEAAQQLCQDFGISGYPTIKYFLDGDKEGSDYQ
GRDFGSLKQFVEDTLEIKCNVDDGSDCTDKEKGYIEKMKAKGSDERAKQIKRLEGMAGDS
MKAELKDWLRKRLHILRMLER
>comp11572_c0_seq5; 287 243 668 LEN=793; translated
MKPAWDKLGDEYAASSTVLIADADCTDEAAQQLCQDFGISGYPTIKYFLDGDKEGSDYQ
GRDFGSLKQFVEDTLEIKCNVDDGSDCTDKEKGYIEKMKAKGSDERAKQIKRLEGMAGDS
MKAELKDWLRKRLHILRMLER
>comp11573_c0_seq1; 338 107 957 LEN=957; translated

MSKLTDYSKFDHLTEDDSDNDSNDRKLAVEENDKSTAEMAAAASPSPSLPPGVSR IADN
KHGATARPSLGAARRDETSGRYRFEYNGRIVYEFEQSLDEMTIYILPPPYVTRGNQIDC
RISANHFKLGLVGHVSVGNSSGNKDNQRQWFLNEATGGTVDVDESTWTLEDYDGDGNHKG
VTRRKII VVTLIKANRGSAAWAAALKGNPNPSAGGRTAHATGTGTQSSSCGTTMDPFSKEQV
KKDLMLQRFNENPGFDFSGADFNDSVPGAREFMGGKNINSTNX

>comp11574_c0_seq1; 569 123 1726 LEN=2121; translated
MSESTYSIALAKTSRAKCKTCKEPIQK GELKVFVEAPLREGANFAMSASYHVSCFKIPRK
LASAGVDVEQFVGDYLMNDGELLDRREEVLDMLREAASKTKAKTKKAKSSENGSSSTD
LMERLKEAASVDDDGGKAPPKKKAKTNSKSKEEQEFKAMIS IYRKYQKGYTVAKLKDILR
WNQQLLTGTKSFVLFKVIDGELHGRLSICPLCQGD LKLMEGDYDKIYCSGRYDEGWLLCI
FFLTSQRIAGHRKQNSSXLLALCLLFHFFFTPLFNNFFPFSFLQSCETDIGRRI PCSYTV
PLGNAETIRARPFYLEEPSEEEKEAMKQFREDAREGGGGGTKPGDNPVAQELLEKAEALD
GKLDFTTNPGRKHAVGEFVALVKGKVDLPENRNAKMEVGKLV MANCNGKSPKEIMQIIFD
KFGFADVKQEKA AAKEAAAEEAACANPKNAALILAFEECSKY YFAESNRNAALS YKKA IAT
LTELEEA VTE DNALSFSKGKTKLPGIGKATAEKMREFCQTGTFAKLEEKREAHK

>comp11574_c0_seq2; 478 123 1579 LEN=2300; translated
MSESTYSIALAKTSRAKCKTCKEPIQK GELKVFVEAPLREGANFAMSASYHVSCFKIPRK
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LMERLKEAASVDDDGGKAPPKKKAKTNSKSKEEQEFKAMIS IYRKYQKGYTVAKLKDILR
WNQQLLTGTKSFVLFKVIDGELHGRLSICPLCQGD LKLMEGDYDKIYCSGRYDEGWLLCI
FFLTSQRIAGHRKQNSSXLLALCLLFHFFFTPLFNNFFPFSFLQSCETDIGRRI PCSYTV
PLGNAETIRARPFYLEEPSEEEKEAMKQFREDAREGGGGGTKPGDNPVAQELLEKAEALD
GKLDFTTNPGRKHAVGEFVALVKGKVDLPENRNAKMEVGKLV MANCNGKSPKEIMQIIFD
KFGFADVKQEKA AAKEAAAEEAACANPKNAALILAFEECSKVCKRWTESQIRKPGYFLFYR
SLSNG

>comp11574_c0_seq3; 585 123 1568 LEN=1963; translated
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LMERLKEAASVDDDGGKAPPKKKAKTNSKSKEEQEFKAMIS IYRKYQKGYTVAKLKDILR
WNQQLLTGTKSFVLFKVIDGELHGRLSICPLCQGD LKLMEGDYDKIYCSGRYDEDEDIGRRI
PCSYTVPRLGNAETIRARPFYLEEPSEEEKEAMKQFREDAREGGGGGTKPGDNPVAQELL
EKAEALD GKLDFTTNPGRKHAVGEFVALVKGKVDLPENRNAKMEVGKLV MANCNGKSPKE
IMQIIFDKFGFADVKQEKA AAKEAAAEEAACANPKNAALILAFEECSKY YFAESNRNAALS
YKKA IATLTELEEA VTE DNALSFSKGKTKLPGIGKATAEKMREFCQTGTFAKLEEKREAH
K

>comp11574_c0_seq4; 494 123 1421 LEN=2142; translated
MSESTYSIALAKTSRAKCKTCKEPIQK GELKVFVEAPLREGANFAMSASYHVSCFKIPRK
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LMERLKEAASVDDDGGKAPPKKKAKTNSKSKEEQEFKAMIS IYRKYQKGYTVAKLKDILR
WNQQLLTGTKSFVLFKVIDGELHGRLSICPLCQGD LKLMEGDYDKIYCSGRYDEDEDIGRRI
PCSYTVPRLGNAETIRARPFYLEEPSEEEKEAMKQFREDAREGGGGGTKPGDNPVAQELL
EKAEALD GKLDFTTNPGRKHAVGEFVALVKGKVDLPENRNAKMEVGKLV MANCNGKSPKE
IMQIIFDKFGFADVKQEKA AAKEAAAEEAACANPKNAALILAFEECSKVCKRWTESQIRK
PGYFLFYRSLNSG

>comp11574_c0_seq5; 592 296 1606 LEN=2001; translated
MSASYHVSCFKIPRKLASAGVDVEQFVGDYLMNDGELLDRREEVLDMLREAASKTKAK
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KYQKGYTVAKLKDILRWNQQLLTGTKSFVLFKVIDGELHGRLSICPLCQGD LKLMEGDYDK
IYCSGRYDEDEDIGRRI PCSYTVPRLGNAETIRARPFYLEEPSEEEKEAMKQFREDAREGG
GGTKPGDNPVAQELLEKAEALD GKLDFTTNPGRKHAVGEFVALVKGKVDLPENRNAKMEV
GKLV MANCNGKSPKEIMQIIFDKFGFADVKQEKA AAKEAAAEEAACANPKNAALILAFEEC
SKYYFAESNRNAALS YKKA IATLTELEEA VTE DNALSFSKGKTKLPGIGKATAEKMREFC
QTGTFAKLEEKREAHK

>comp11574_c0_seq6; 501 296 1459 LEN=2180; translated
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TKKAKSSENGSSSTDLMERLKEAASVDDDGGKAPPKKKAKTNSKSKEEQEFKAMIS IYR
KYQKGYTVAKLKDILRWNQQLLTGTKSFVLFKVIDGELHGRLSICPLCQGD LKLMEGDYDK
IYCSGRYDEDEDIGRRI PCSYTVPRLGNAETIRARPFYLEEPSEEEKEAMKQFREDAREGG
GGTKPGDNPVAQELLEKAEALD GKLDFTTNPGRKHAVGEFVALVKGKVDLPENRNAKMEV
GKLV MANCNGKSPKEIMQIIFDKFGFADVKQEKA AAKEAAAEEAACANPKNAALILAFEEC

SKVCKRWTESQIRKPGYFLFYRSLNSG
>comp11574_c0_seq7; 485 296 1617 LEN=2338; translated
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TKKAKSSENGSSSTDLMERLKEAASVDDDGGKAPPKKKAKTNSKSKEEQEFKAMISYRK
YQKGYTVAKLKDILRWNQQLLTGTFKSFVLFKVIDGELHGRLSICPLCQGDLLKMEGDYDK
IYCSGRYDEGWLLCIIFFLTSQRIAGHRKQNSSXLLALCLLFHFFFTPLFNNFFPFSFLQSC
ETDIGRRI PCSYTVPRLGNAETIRARPFYLEEPSEEEKEAMKQFREDAREGGGGGTKPGD
NPVAQELLEKAEALDGKLDFTTNPGRKHAVGEFVALVKGVLDLPENRNAKMEVGKLVMAN
CNGKSPKEIMQIIIFDKFGFADVKQEKA AAKEAAEAACANPKNAALILAFEESC KVCKRW
TESQIRKPGYFLFYRSLNSG
>comp11574_c0_seq8; 576 296 1764 LEN=2159; translated
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TKKAKSSENGSSSTDLMERLKEAASVDDDGGKAPPKKKAKTNSKSKEEQEFKAMISYRK
YQKGYTVAKLKDILRWNQQLLTGTFKSFVLFKVIDGELHGRLSICPLCQGDLLKMEGDYDK
IYCSGRYDEGWLLCIIFFLTSQRIAGHRKQNSSXLLALCLLFHFFFTPLFNNFFPFSFLQSC
ETDIGRRI PCSYTVPRLGNAETIRARPFYLEEPSEEEKEAMKQFREDAREGGGGGTKPGD
NPVAQELLEKAEALDGKLDFTTNPGRKHAVGEFVALVKGVLDLPENRNAKMEVGKLVMAN
CNGKSPKEIMQIIIFDKFGFADVKQEKA AAKEAAEAACANPKNAALILAFEESKYYFAE
SNRNAALSYKKA IATL TELEEA VTE DNALSFSK GKTKLPGIGKATAEKMREFCQTGTFAK
LEEKREAHK
>comp11575_c0_seq1; 338 218 808 LEN=821; translated
MALVPLPAEDVKDLLVVGSPSLQYETYWGRTKRETYNRLLESTMVAAIGCFFSYFVSFV
VGSFVATIFGSLFAFWAVLSPDFKARQRNWEFLGGRAIVDPWMLDDANGSVDRNNAGLYG
SMFLGRIEDACVVEDNASIDEFDLEEFQDYKNEEDEQEEITGFYPYLIRLRITDNDGRELQ
IHSRLSEEYLG IQKGI
>comp11575_c0_seq2; 371 218 994 LEN=1507; translated
MALVPLPAEDVKDLLVVGSPSLQYETYWGRTKRETYNRLLESTMVAAIGCFFSYFVSFV
VGSFVATIFGSLFAFWAVLSPDFKARQRNWEFLGGRAIVDPWMLDDANGSVDRNNAGLYG
SMFLGRIEDACVVEDNASIDEFDLEEFQDYKNEEDEQEEITGFYPYLIRLRITDNDGRELQ
IHSRLSEEYLG IQKGMPIAGILLSTYESFSSLSAMSDVYVPDVGCFVGDYPYLNRPGMEE
LLSSDDDLWNTLQSQSRW
>comp11576_c0_seq1; 240 1031 1714 LEN=2239; translated
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TDEHFVFDYIKANAINDLLL LTGIAIILRPKLVGQSPSPFSTNSIGADETERVADVDYSL
LLTESSEDEQGSGGETREEQGERSFEMTTTAVSSGLDSTAMNAAP
>comp11576_c0_seq2; 415 404 1567 LEN=2092; translated
MASSSSPSSSSHLTREQQGLLNFEVVVALWYFILMLWYGYRCRNWKVTTSQFSNSIDST
NTNLEQYGLSPIHWLIASIAAMGLANFLFSVSVLEALDHTSAIGSKVLKLSYINMFFACL
RHPCTLSLGLVAPKVAFGSDRYFYFPSESAVRTDNIKTTAMCLAALVFAQVLRMTENVI
TIFRHGNRDSA AVKLADLFWFVFDGIFLSW MVNVLTYTITMEISRDEYTD RRGFFGSNRWQ
AWWKS RSLFFFWILYTVFVTLSTALILIGLLAFTMGAVDMTDEHFVFDYIKANAINDLLL
LTGIAIILRPKLVGQSPSPFSTNSIGADETERVADVDYSLLLTESSEDEQGSGGETRE
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>comp11577_c0_seq1; 855 184 1695 LEN=1757; translated
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LSTNWGNAVIDQTVELTPARTRDIGTIKKSLSKQLPGRPP IVALEIVYEGRVLDLDDTLVD
ELFEDEDEDEDEDEDEVEEGNEPSRKLTLNILPPVDPKFATELVPKLMSYSGDDDYETD
TAATVGDGDSLTTDELVDAYYLNQVAMMRNAQLLADPNT PSSPFMRMELQDQARELREQ
QSETPVEIWEKCMTEPTKGGSGSQVEWRGQRYRSSKGGVTTQLKTTIQTNLNVNWEEAIK
YSLFLFLGYFGGRNSFSRHL LFWGAPLSFGLQARPVKMLFKTIFYMMSNPPLILL SFLP
APQQA ILSMDLEKSVIALYGEDGAKTICPTV LSETEEADAVTRTVSAEDEDSDSDSDV
EDTDLEDEDEYDSEDQYDDEE
>comp11578_c0_seq1; 369 386 1752 LEN=2264; translated
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TAAKTPAHPIAAVAQLRSTSDKFRNLLDVAHCAGLARSRGASMLFLPECFGFMGESAEQT
LREAEDPSRLEAAGGGGPGGELAAALEAAVRGAAAGTAPGGTTGVSPPPVDSLDDGLRTI
ARASGLWISGGGVHVS GAPPEDGSKEGRPRVYNTHVVL DADGALRAS YQKIHLFDVSI PG
KVDLRESRTTAPGTRLVVCNSPVGRLGVTTTCYDMRFPEVYTELVGTMGAQVLLLLPSAFTV

PTGAAHWHTLLRRAIENQCYVLAQAQYGTQCKKGQLWLSLFGKRNLITWWLHERLPMWY
EHSGSKQHRLVSSSRLPNALTTILCCAHLQAVDPWGKILADAGGYPTAEEAETGQDDRT
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>comp11578_c0_seq2; 388 386 1606 LEN=2118; translated
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ARASGLWISGGGVHVS GAPPEDGSKEGRPRVYNTHVVLDADGALRASQKIHLFDVSIPIG
KVDLRESRTTAPGTRLVVCNSPVGRLGVTTTCYDMRFPEVYTELVGTMGAQVLLLLPSAFTV
PTGAAHWHTLLRRAIENQCYVLAQAQYGRHNARRDSFGHSLAVDPWGKILADAGGYPTA
EEAETGQDDRTTPEPPSIVTAEIDLSDIRQRMPIDLHRSSARF

>comp11578_c0_seq3; 369 386 1752 LEN=2228; translated
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KVDLRESRTTAPGTRLVVCNSPVGRLGVTTTCYDMRFPEVYTELVGTMGAQVLLLLPSAFTV
PTGAAHWHTLLRRAIENQCYVLAQAQYGTQCKKGQLWLSLFGKRNLITWWLHERLPMWY
EHSGSKQHRLVSSSRLPNALTTILCCAHLQAVDPWGKILADAGGYPTAEEAETGQDDRT
TPEPPSIVTAEIDLSDIRQRMPIDLHRSSARF

>comp11578_c0_seq4; 388 386 1606 LEN=2082; translated
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LREAEDPSRLEAAGGGGGPGELEAAALEAAVRGAAAGTAPGGTTGVPSPPVDSLLDGLRTI
ARASGLWISGGGVHVS GAPPEDGSKEGRPRVYNTHVVLDADGALRASQKIHLFDVSIPIG
KVDLRESRTTAPGTRLVVCNSPVGRLGVTTTCYDMRFPEVYTELVGTMGAQVLLLLPSAFTV
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>comp11580_c0_seq1; 216 367 912 LEN=1253; translated
MRELKYHEKLLRGVDLYSWKKEDNLRVAKIMRRYHIQNRDDYTAYVVICGMVTKLSAKL
KTLKHDDPFRVAMTDQLLTKLEDLGLINKATSLKNADDITASAICRRRLPVMMVRLKMAQ
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L

>comp11580_c0_seq2; 216 253 798 LEN=1139; translated
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>comp11581_c0_seq1; 920 113 1594 LEN=1882; translated
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LLEMRTVLDKSRGLDKKRLRYQIDKLLASLTDSSAFATGVGNDGDQSDDEGGVGFDDGQD
DPLRHRPDPKSM LDSDEGDDSGDDDEGDDSGDGGEDSDSDSGDGMDEDDDLAAARATLSMS
RQGKSKKKNKDEDDGDEDDDEEYGAASKYVAPRLTAVPYTHDVADKRLEKEKQR
KLRA TELAQTLRQYGDQPETEDVFGGGNSEVYKQRAASRALAQKEAERIEFEESTMIR
LTTSRKDKKEKRVERMMEGGANLAQIANLGNLVRETEAFGRDDAVNSDDDRHREEAYDA
YLRGDQGGKSAEDTGSRYANGKRRRDPGENISDGAGRRLKMGKPKAKNHLQAALYGS
SGKPSKGKKKSR

>comp11582_c0_seq1; 737 162 1604 LEN=1680; translated
MTKTGKQRRSSTASHLLATITLVSTLAMLLYARTSPLSNGLASDVFGDTGTAPRLRRYNA
AFAPIPDFPALPASRKLQOSTVGDREIHNNNNNNDGAFDALVVELSGVADPIAIQQNW
KAAKANGHPVTRKADMKRVTLVDSSTFGTDWMTWDVAGERDGTQGDTCVAVQRKVP
LAEQVEAADVLLLNKIDLAPDQVEVAAALAKSINKKAVVEEIAFGRVASPKQIVREEAS
ETTKEEAPSQSGCCSNPSCPSNLAKKKQEEEEAKQPRATVSTDDLGIVSFVYKADRPFD
APKLMGLLNTWPIPVKEDLGGLEHFSPEAAADGGEDVGRTSPFFGVLRSKGFCWMAPTN
WATDGTGDPWRHDSAMYWSHAGKHFGISVAGKWWGTLVEEMKEYFANDREEYNRIRTEE
FVTEEWGDRRQELVFIGANIDRGQITEALDACLLENEKMKRYAKGAESYQRESGKSLVVP

>comp11582_c0_seq2; 517 277 1318 LEN=1394; translated
MKNRQSNRIETALSVALDARDVAGERDGTQGDACAGQRKVPPELLAEQVEAADVLLLN
KIDLAGPDQVEVAAALAKSINKKAVVEEIAFGRVASPKQIVREEASETTKEEAPSQSGCC

SNPSCPSNLAKKKQEEEEAKQPRATVSTDDLGIVSFVYKADRPFDAPKLMGLLNTWPIPVKEDLGGLEHFSPEASAAADGGEDVGRTPSPFFGVLRSGKFCWMAPTNWATDGTGDPWRHDSAMYWSHAGKHFGISVAGKWWGTLVEEEMKEYFANDREEYNRIRTEEFVTEEWGDRRQELVFIGANIDRGGQITEALDACLLNEKGMKRYAKGAESYQRESGKSLVVP

>comp11584_c0_seq1; 1144 316 4398 LEN=4640; translated
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KNKKSQRPFKLVVVEVSPSKCQTIKILQKYVKDNDLAYDFVLTSSMGHIRNIPQKKSFKG
QKIAGIDLNNYSPTYEVIKEDMLSKQLQELSAAAQQLILATDDDREGEAMAWHLLQVL
EGEGNPFINTSDAKGKVAEDKQHLRVRFTTEITKKAIVEAIENPETSRLDNLVEAQQARR
ILDRLAGFTVSPVLWKKIAPGLSAGRVQSVGMAMTVQREERERLTFQRTEYWGKANFSAF
DDDDAGQLFETNLISINGQVLASGTSDFDPKQSDQLTPSAKNKLHLTEQSAAEFTNLIQT
KGDQSWKIDKITSKERKQKAPVFFITSSLQQEANRRLGLSVSGSMRSAQQLYEKGFISY
MRTDSTHLSEDAQNAIREEIIKDLGGPDNYVAATENSGKISSKSSKNKKPDPQAAHEAIR
PAVGENGRFLKPELLPLDFDKAAVEVYRLIYQRTVASHMTPQISNQTSSISITGLSGDEDE
TEVLFRTSGSVVVDPGYTRVYPRQADSKAPILPPFEEGQSLSCDSVRGLSHTTQPPARYT
EASFIOLEAQQVGRPSTYAGTVKSLRDRCYIGSPINSDANRRGGVKEVSGPAISAQRAA
GGEDFTGSKNGRGLPVLPSLSAFVVTSLLEKHCEMYVDPTFTAKMEERLDRIANSEVEVSE
NERVSYLSEFYEGEEGLASKIEYIDNNVDADIARRADLPALAWNSTQNSEDIGLFIGPWG
PYVMKTSASKADDDEEKVVKASLPPGMASDISTITGLEGLDAVLKTKEQDGLILGQHPEDG
RNIRLKVGPYGGYLQWGEDGDDEKSTHTLPREYRSFKKPDLEDMDGESGDTLADMIGLSL
EKAIQYVNLPRTVCLMNDLPIVASIGPYGPKYNNFTFMQLKPKDGDVITIDGDLAQLV
TDGIINKKSKFGAGVLAIEGKDEAMITVKRGRFGAYINWNQVNAKLPSEYIDDPSEL
EEAWTLIQQAASSPGKRTKKKTDDIEIPPGPKRPPSSYFLFTAERPEVSAAFSSSLGEV
SKELGRLWSSLSDDDEKKPYVEKAAIAKAAVDVEKAQWQKETKQLRRSCKGNTAARGSSMN
GPKRPRSAIYFFCKKNRDEVSKDFKLGDISKELGRRWNDIDAAKAEYVKMAEDDKHRY
TMEMEEGVGSSGKTGKGVSKTKKRKVKVTKKTSKTGKQKRSPSAYMLFCASHRSQIVDEN
GQKCLKLPETTKILAQMWRECDDETRARFVQEAENQKAVLH

>comp11585_c0_seq1; 1548 422 4344 LEN=4431; translated
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SFGFIHCAERPEEIFFHYSEVTNCHPDDLIDTEVEFKVGVAPSGGGSSDRQKHAASFVAT
LPPGTVVWETEHEGRFYEGLVEKPCGFSSGRGGGSGTGGGPQADGTIRLVVGEEDA
TNEVDGEAEAEAGETSEGATELNENNEDGDVEGKKNKKKQKQKPNGKSGPVVRLRTG
EYTGAGESGGGGSNRLYRGDMVAFRVFLDKRTKQKYARQITLLQSAREKRRLQKEKLL
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LVVTEEQQERQNSGSKSSRDNSVKISARQIHCLPKGSVVFQTLQEGVKGVARAPQPP
SPGSKGDDSRMGFCRVEGLAGDVLHSDVPVGGVFTYQNHNRNSTAAGLWIEGDTLLFDV
VKEVVDGSRVAVPTKHRIGLGGSILAPSNAEEDDAEGAAATPAIRLVLDLSMVGRAE
TMKNDYGFIFHAERPVDVHFKTYDLLPDELQEDVRRAMGIDEPIRLREDTAVRFDICAH
NITATANRGRRRGGGQQQARENIRGQRILLPRSEVTLEKVLATGCKGSIRSVNPQQPY
IGVLDLEPLSEEQGGALKPMSMEERHPLVAKMIDSFLEESSLPNGKKSIVFRDTLGMND
DVTTEMAKLGAGVLECSHIPVPLAPHPGRICIRRVSEENNSEDAENQNSKSPKE
SAKGGKKGKQSPIERSLKNLRFKSSLEAFREDVPPSPGDIVECDVVQYRRTGKIAVRN
LKIVERATTEAPSATVSSGVGVKDVVPRRNFVGFISLLDENNTKNEILFFHLSKDNQLV
GSEVRFDIAMEGTRKTAINVESVPKGTIPSTASKNACMGYILMEPSHTTLKNTPARKTAK
ASGDKVATGRWAEANDDAKTTVVKQDMVEDGCILLLEDKTMGMFQKRRTRRRKRSKSID
TDSMGDVSIDEAKSGESVDGVADEDDGLSDDGDREDDGTVSILSRLSYTNGSIAIHGAG
ASSMDGSTNPKRGISLSSREENGXTVRDIRIVKRETALLQRGTLENIEITKTEDNSNK
GTARFVAATEKQEVYDVLAEVVSVALLEKETSVEGILHEGKIYGLCRTSDLYLTSKL
VVGSGKNRQRPKLNLTVKKDRGGTIMAQSMMAKGPDDTIGFKPGWTTTQSQYTVIDSDES
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>comp11586_c0_seq1; 436 1 1658 LEN=2130; translated
KRSNACILALILVVGVSFQVVHVHVHIAFLAKPKDTTKIQNHHEGTAYSTRQALFRTE
TENPHGGHHRVWKQEPSNEERVHDGSNNKNGGKNNNETMSSLVTHSYGTTDVFDRKLR
EHLRRIENTRRKIENXKRKRKHNHARLLPIEALWLYPGYRNQIMALTVLVLQANHEGH
LLLDLSLWHKDTYGTIEFDPFDFYFDVEAWNHRHACGGDSRDNAYRRCLPRLILYDVEH
WDPTTANYLPSVRNGKPGDATRPYGYTKGSTRLAARYMLYARGNGKFPVPPNQTGTNRDA
TPPRNPAEILMLEGALRHPALQAVVDRSRRQLEVAALASSGGQNSRYMTLHARVEPDM
QKHPVCIEKKVLSLRDIVAMVESKWRVPPVGVVFLPINREYLEKEGTPPGSGSGEPTNQI
AVDNLRELNRLTNHPYDRGANETATTGMWGGRPVVEFGSAALEGTVEHRPSTSGAIL

NYFLGLGADLFGVTEVSSFSHDLAARFYRRAAASAAGVGSNGGTFDYRYLPGVGLREWI
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>comp11588_c0_seq1; 188 173 1207 LEN=2663; translated
MVTALEI IKDNTELDYDPDALLAAWAEIMEPIEVEDGHIFIKEGEVIKNIVFVENGKLVRT
KLSVPEEERAGILEAGLEKIRENSIKIDEVLPGTTPTGVWHSFEADRAAFATVASSGPCK
IWLMPSEKFRAVISRPEFSMVVMAAMANRIRVGSKSIRNLEKVKDGASKDSCENVIKML
SYDSTSWVVENFDAALVKFNEDNKNDLKI EIDYTSERLSSKTAHYACGEKTSIAMELCRS
KSNRPDTSLTFFDRFGFKXGYDVVCLFVNNTANADTIKILRKCEVKMICNRCAGFDRIDT
KAALAYGVSLARVPAYSPYAVAEFAVSLLMGINRKIAKASTRVK
>comp11588_c0_seq2; 282 453 1988 LEN=2612; translated
MEVIKNIVFVENGKLVRTKLSVPEEERAGILEAGLEKIRENSIKIDEVLPGTTPTGVWHS
FEADRAAFATVASSGPCKIWLMPSEKFRAVISRPEFSMVVMAAMANRIRVGSKSIRNLE
KVKDGASKDSCENVIKMLSYDSTSWVVENFDAALVKFNEDNKNDLKI EIDYTSERLSSKT
AHYACGEKTSIAMELCRSKSNRPDTSLTFFDRFGFKXGYDVVCLFVNNTANADTIKILRK
CEVKMICNRCAGFDRIDTKAALAYGVSLARVPAYSPYAVAEFAVSLLMGINRKIAKASTR
VKMSNFSLD SGLMGTDI HGKTVGVMGTGKIGQILCNI IKGFGANLICFDVFEADAVKEMG
GKYVTKGELFAQSDVIFLMMPLLPPTKHTINADMLHLLKPGMLLINSRGGGLVDTKAVLK
GIQDGI IAGYGADVYENESDYFFQDWSAKAVDPDTLVALMGSNVLLTAHQAFFTQEAVD
AIVNTTLSNVKLFTEGKTMYPNNFLPRRN
>comp11588_c0_seq3; 149 453 1361 LEN=2817; translated
MEVIKNIVFVENGKLVRTKLSVPEEERAGILEAGLEKIRENSIKIDEVLPGTTPTGVWHS
FEADRAAFATVASSGPCKIWLMPSEKFRAVISRPEFSMVVMAAMANRIRVGSKSIRNLE
KVKDGASKDSCENVIKMLSYDSTSWVVENFDAALVKFNEDNKNDLKI EIDYTSERLSSKT
AHYACGEKTSIAMELCRSKSNRPDTSLTFFDRFGFKXGYDVVCLFVNNTANADTIKILRK
CEVKMICNRCAGFDRIDTKAALAYGVSLARVPAYSPYAVAEFAVSLLMGINRKIAKASTR
VK
>comp11588_c0_seq4; 204 453 1265 LEN=2721; translated
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FEADRAAFATVASSGPCKIWLMPSEKFRAVISRPEFSMVVMAAMANRIRVGSKSIRNLE
KVKDGASKDSCENVIKMLSYDSTSWVVENFDAALVKFNEDNKNDLKI EIDYTSERLSSKT
AHYACGYDVVCLFVNNTANADTIKILRKCEVKMICNRCAGFDRIDTKAALAYGVSLARVP
AYSPYAVAEFAVSLLMGINRKIAKASTRVK
>comp11588_c0_seq5; 147 186 518 LEN=1142; translated
MLLINSRGGGLVDTKAVLKGIQDGI IAGYGADVYENESDYFFQDWSAKAVDPDTLVALMG
SNVLLTAHQAFFTQEAVDAIVNTTLSNVKLFTEGKTMYPNNFLPRRN
>comp11588_c0_seq6; 321 173 1834 LEN=2458; translated
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IWLMPSEKFRAVISRPEFSMVVMAAMANRIRVGSKSIRNLEKVKDGASKDSCENVIKML
SYDSTSWVVENFDAALVKFNEDNKNDLKI EIDYTSERLSSKTAHYACGEKTSIAMELCRS
KSNRPDTSLTFFDRFGFKXGYDVVCLFVNNTANADTIKILRKCEVKMICNRCAGFDRIDT
KAALAYGVSLARVPAYSPYAVAEFAVSLLMGINRKIAKASTRVKMSNFSLD SGLMGTDI H
GKTVGVMGTGKIGQILCNI IKGFGANLICFDVFEADAVKEMGGKYVTKGELFAQSDVIFL
MMPLLPPTKHTINADMLHLLKPGMLLINSRGGGLVDTKAVLKGIQDGI IAGYGADVYENE
SDYFFQDWSAKAVDPDTLVALMGSNVLLTAHQAFFTQEAVDAIVNTTLSNVKLFTEGK
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>comp11588_c0_seq7; 337 453 1892 LEN=2516; translated
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KVKDGASKDSCENVIKMLSYDSTSWVVENFDAALVKFNEDNKNDLKI EIDYTSERLSSKT
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AYSPYAVAEFAVSLLMGINRKIAKASTRVKMSNFSLD SGLMGTDI HGKTVGVMGTGKIGQ
ILCNI IKGFGANLICFDVFEADAVKEMGGKYVTKGELFAQSDVIFLMMPLLPPTKHTINA
DMLHLLKPGMLLINSRGGGLVDTKAVLKGIQDGI IAGYGADVYENESDYFFQDWSAKAVP
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>comp11588_c0_seq8; 376 173 1738 LEN=2362; translated
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IWLMPSEKFRAVISRPEFSMVVMAAMANRIRVGSKSIRNLEKVKDGASKDSCENVIKML
SYDSTSWVVENFDAALVKFNEDNKNDLKI EIDYTSERLSSKTAHYACGYDVVCLFVNNTA

NADTIKILRKCEVKMICNRCAGFDRIDTKAALAYGVSLARVPAYSPYAVAEFAVSLLMGI
NRKIAKASTRVKMSNFSLD SGLMGTDIHGKT VGVMTGKIGQILCNI IKGFGANLICFDV
FEADAVKEMGGKYVTKGELFAQSDVIFLMMPLLPPTKHTINADMLHLLKPGMLLINSRSG
GLVDTKAVLKG IQDGI IAGYGADVYENESDYFFQDWSAKAVDPPTLVALMGSNVLLTAH
QAFFTQEAVDAIVNTTLSNVKLFTEGKTMYPNNFLPRRN
>comp11588_c0_seq9; 243 173 1111 LEN=2567; translated
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KLSVPEERAGILEAGLEKIRENSIKIDEVLPGTTPTGVVHSEADRAAFATVASSGPCK
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SYDSTSWVVENFDAALVKFNEDKNNDLKIEIDYTSERLSSKTAHYACGYDVVCLFVNDTA
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>comp11589_c0_seq1; 282 268 1008 LEN=1450; translated
MAVEKISQRSRKPKSAGEIRSTTDCIDTNPEHL SRNVSSSLPSQSSFRNNSFPLGCLI
YFSYSMSIAVDSQFLSLYYKSKGFDGATLGMLYSLTPMTTFLTVPIWLSLITARRDTKHPH
RRSGGIRSNANEEVSETALFKTLYFCILLATASQISLAIFSDPIYMMLAVTIAGIFQSPV
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SVWDTIW
>comp11589_c0_seq2; 135 1 678 LEN=1926; translated
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TLYFCILLATASQISLAIFSDPIYMMLAVTIAGIFQSPVKPMLDGIIMDQLKDRTEFGKV
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>comp11589_c0_seq3; 135 1 678 LEN=1120; translated
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TLYFCILLATASQISLAIFSDPIYMMLAVTIAGIFQSPVKPMLDGIIMDQLKDRTEFGKV
RFFSILGSGFGTHLGGRLSSSFQATTDHDPETRDSNEDKSVWDTIW
>comp11589_c0_seq4; 282 268 1008 LEN=2256; translated
MAVEKISQRSRKPKSAGEIRSTTDCIDTNPEHL SRNVSSSLPSQSSFRNNSFPLGCLI
YFSYSMSIAVDSQFLSLYYKSKGFDGATLGMLYSLTPMTTFLTVPIWLSLITARRDTKHPH
RRSGGIRSNANEEVSETALFKTLYFCILLATASQISLAIFSDPIYMMLAVTIAGIFQSPV
KPMLDGIIMDQLKDRTEFGKVRFFSILGSGFGTHLGGRLSSSFQATTDHDPETRDSNEDK
SVWDTIW
>comp11591_c0_seq1; 663 160 2211 LEN=2317; translated
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PLFFRHITPIIMFAIVGT AISAIATALILYGFVQMGLSGGF EPTLAELLTFGALISSTDP
VSTLAVFQVKRVDPRLFYLCFGE SVLNDALAI VLFYFSGKFVSINNEENDIVAALKKFFI
DLFTNFVGS SVLGTFGGCCAAFLFKQIDMRQNLVEISVYVLLVYIPFLISEILHLSGIV
TILFTGVAANRYIVPNLSAITKVN SDMVFR LGAHLAETAIFLELGLSVFGMVGYWNWVFI
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>comp11592_c0_seq1; 815 156 2616 LEN=2772; translated
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KLQTSATKEKTYEEIMGISSTVPKVDESKEESKDPGDM SFMQSARVLDQTTQOKPRRRRL
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>comp11593_c0_seq1; 390 572 1312 LEN=1845; translated
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>comp11593_c0_seq2; 390 572 1312 LEN=1968; translated
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>comp11594_c0_seq1; 114 1 284 LEN=284; translated
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>comp11594_c0_seq2; 204 414 807 LEN=807; translated
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>comp11595_c0_seq4; 368 394 1866 LEN=2282; translated
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>comp11595_c0_seq5; 279 1477 2361 LEN=2777; translated
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>comp11595_c0_seq6; 374 804 2162 LEN=2781; translated

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>comp11595_c0_seq7; 279 1067 1951 LEN=2367; translated
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>comp11595_c0_seq8; 374 394 1752 LEN=2371; translated
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>comp11596_c0_seq1; 1062 134 3568 LEN=3689; translated
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>comp11596_c0_seq2; 1135 134 3472 LEN=3593; translated
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TFPKSPTE SPASPTVSQFP SGSP TTSPTSSPTESSYPSSIPTAMD TTPSNPSIRATGQ
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SESQAYGLLITGTVLASWNTHAGRVNSRRSDVLD SFEGYFNFWIEMSKNSSNKGSNCQ
GGDYCKSSSGSKYVCLPDWRHYKTGGSESTGPAPDADEDAIVGII LAVKAVENDTNKPSW
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>comp11597_c0_seq2; 227 166 579 LEN=960; translated
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>comp11598_c0_seq1; 616 87 2546 LEN=2693; translated
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TEVEARRAMRLLNAVYYLHEEANIVHRDLKPENILCSSPIHVKLADFLAKIIKADGLK
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>comp11599_c0_seq1; 1889 1 6573 LEN=6667; translated
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FNLFDVLDKAKLGD IARNQSEALKLLSLTMTKLVS YEESYKKDKDEILSGLSDILI
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>comp11601_c0_seq2; 334 206 1267 LEN=1969; translated
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>comp11602_c0_seq1; 201 1 605 LEN=1235; translated
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>comp11603_c1_seq1; 31 383 665 LEN=665; minus strand; translated
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>comp11604_c0_seq1; 517 1 1575 LEN=1633; translated
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>comp11605_c0_seq1; 1133 89 3826 LEN=3994; translated
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SILTIQWSADGKYL YAGGEDFEITVISTERWEPVHKIKRDRWVQFISSSQGSTHLAVGGV
TSEVSI LDVQKGDNI INIGLKGFPVLSANWHPDDQYLVLTGQNDRI LAVETTNGRHVSG
HFLRSVYPVASVAFSPDGHQVAIGNEMGVVGFILSGTTFVSAYELVVDCSNLSLIEWSP
NGSYVVI AAVNKVI I VARKETLVGSVPLNTSGFFVAKVIRDLGCVNDISIDSTSRF IAVS
GSRTRVVDADSNFENVLEIDYGGTTLANAWSHDGKWF AAIGKDHNLVIYDTSDAFLSQWR
SVFTVETKAGLALAWGKSSSGGLQY CAYGGEDKQIHIMEIRTKERSWETVLTIPRDEI
FGLDWNSSGGLVAAAISNGT VTVLDLSYLQSGCAVNEMDYNWQRQALT CYTEIRRNGKHS
MKCVRWIP SATESEDFLAIGT DGEVEIVDLSKRDECRGFQSMAS
>comp11606_c0_seq1; 373 162 1642 LEN=1642; minus strand; translated
MTGRRRMLVSHRGASAVHGRGAPVASIGWAKKVPSTNAXGGEEDPDRLLDHQNVHDHGQ
SRVPTNRVPCHRRGHKDRLEEVVHRSPHGADFLHGAFEAEMGVHRDARPFHDDSDRLLPS
NRRDVGVDPCLSHPRFESVDL DLPFGHVPSRRDHGDPRLRFRGIGFGFSFSCWPFVLA
RTDLCPSLRQRKSALRRYPWKNACCDDPDPRGDPFWNF SNPFHGFYLCWGHDFCRHART
SSATDGVLWGPSLNFSPRFLFGEILCLLEXALSLEIPVSLAGSASLSPPRDCIAFSGAGV

SLQIAVSLAGTVFASPSLGGADSSAVFVSLAESAFWSLLCDCNASSSLDGAVSLTVSVSL
SLSTVLPTRLGGSLGAGPGFSPISIGGLSSEAASLSFLAAVRSSFASAFGDFAAFSLARS
VSVSASVFLFFLASSKSLFASSSAGSLGDDVRSRRETPRDSLCSFRSWCFRFRSSDSEV
LREERDRSRSRRSRX

>comp11607_c0_seq1; 428 109 1899 LEN=2389; translated
MVAMSGVVKRRQATPIRSRRRSKIYVCFVLFAAAYVFWWSIDDNLSNDLLHDSPLLVRT
TASGPADAYLNNFPLRLRDSGDNIDKTNGRGLRDETFHSSAHCVGETHNETTAWKHRCK
YVHLCVDFAAKTSDEGSSPEFFVVASRFDQEFSSRFHPSSSNRPSASSDQGRNSENNK
VYYSSTGLGSNVALGAIDPSWERLPDTGGWLPYGYGFDKIRWAPRVYNSMPSKLYYELDS
DVVMVPFHAMAADNVGHLLWDNFLPLYNLLRIFGFDQNDSDNGDSKERFRHLLIRVDLPP
LSATCDLRPKKKEACRKSFEKFLPLFGVDPNTFTTSSQMRLTKHTTTTETATSPNETPATM
HPVCSKHAVAGMGWLSDHGIRESHGWMNHETHSLDVALAKNLGRGPELYAFRNFMRLNM
GLEPIPNDTGGGTLSTTITFRILLSAHSSTYTDRSFGLEEQHKALAEAFPTTEIVSVTL
ADLPLREQLELLSQPKQPREHIIFVSANGGGTMTAYFLEPKGSSMILYNERGGRDYFSNN
KNTGGQAILDWDLMNNGYVVRTHWLPDTSSMNEAEGLDALVYLVRHEMDATMNGLYG

>comp11608_c0_seq2; 320 182 1138 LEN=1751; translated
MKETHRGRCRNLRRRPRRILQSGVDSACTTPLPIKVVIGSIAMFAFAATGTSRFFASSFS
PMPNTNAASVRNDISNDNEKLPNTRSRVWAATPTPTGDARMTIPLNMASSNSDLGAPI
CVYHQVDVPSSETNPVPRQAISVEDLTPTLQALLEESGMMNGLLTVISRHTTTSLTINEW
ESRLADDISETLLKLVPDPERSISPASQKDVYKHNIDLRPFGDCSDEESYNIDSEAN
RCRENGWDVDDPDQLQAWRDQEPINAHSHLLSILAGSASESIPVVDGKMLVGLQWQSVLLL
DLDGPRDRTVGVQLMGYS

>comp11609_c0_seq1; 129 494 1057 LEN=1617; translated
MKNKRSNESPTALSASSLSAPTGGGFFNNGGGEHRNRRRNRSYKIYCDMDGCLVNFEEK
VRMLLKAGSSDIDKRVWEGISRAPQWFENLEWQMDGRRLWSAIKHLNPDILTGVDPDIKS
SRIEKFNWCKRELGLEETDTHHVDMAGDVAALSDHYSVNGNLPRDDKTNIITCWSNNKYK
ECSRSGS

>comp11609_c0_seq2; 189 494 1246 LEN=1425; translated
MKNKRSNESPTALSASSLSAPTGGGFFNNGGGEHRNRRRNRSYKIYCDMDGCLVNFEEK
VRMLLKAGSSDIDKRVWEGISRAPQWFENLEWQMDGRRLWSAIKHLNPDILTGVDPDIKS
SRIEKFNWCKRELGLEETDTHHVDMAGDVAALSDHYSVNGNLPRDDKTNIITCWSNNKYK
ECSRSGSILIDDRIDLKKNWEDAGGIFVHVNTETTIRKLRDLGVISEGGLDNGENDWYW
EGSWRLWKDE

>comp11611_c0_seq1; 267 332 901 LEN=1907; translated
MGNCFGFLFSAVESHTRPPVAAPPARRRKEQPFVTEEVLEIRMLARKYHEKVVECAKNSQ
EAYQKGDKKKAHTLSEKKDWQKKQNDANIKAAKLILEPQSWQTSGEIDLHGLFLQEATN
ATLEFLKYWSKKVWSDAKIVLIITGAGHSHENHKAVIRPHVEQILQEHLQDYKSVHGNGA
FEITLKPRQ

>comp11613_c0_seq1; 195 205 852 LEN=1801; translated
MGLLTILKKVKEEEREIRILVLGLDNAGKTTIVRRLCDRPIDEIEPTLGFSIQTLDYDLA
DQIYDDENEYCSNNCKVDDDGSSSYKHLHWDIGGQSTIRAYWRNYFEKTDGIVWVDSGD
RLRLNLVREELAKVLQQERLAGASLLILANKSDLEGALTKEKIAEGLRLEDDLKMGQHT
RHWTIRGCSAVTAEGLSDSMEWLVRDITDRIYFAA

>comp11613_c0_seq3; 168 123 785 LEN=1734; translated
MLAFATIIPPIIPQVKEEEREIRILVLGLDNAGKTTIVRRLCDRPIDEIEPTLGFSIQTL
DYDLADQIYDDENEYCSNNCKVDDDGSSSYKHLHWDIGGQSTIRAYWRNYFEKTDGIVWV
VDSGDRRLNLVREELAKVLQQERLAGASLLILANKSDLEGALTKEKIAEGLRLEDDLKMG
QHTRHWTIRGCSAVTAEGLSDSMEWLVRDITDRIYFAA

>comp11614_c0_seq1; 261 121 738 LEN=876; translated
MAENQARVVADADPGIYATAAVLPATNWSAQHPAEWACPRCSLLNPARKLYCIACFHRH
QDLTPPLLDAREVRSDEEDGNEDYDADASEDPPFPIDEPGILATPLESSFAAEDIP
MAQGEEDPYHKKIRRRVRRKRMIAAGVAGGVAGAVLIGPAMLVAGAVGGVVGTRIVSKQ
RERSKDERLARERYAMASGATVSQG

>comp11615_c1_seq1; 1932 1 5061 LEN=5454; translated
PPPPPTRRKVVQMARKKEPAPSTFRSSELSDMNFEAKPMDSAPKKQRVVRMAQKEEPAPS
TFRQSDLSDFSFEAKLEALTKTRLVQMEQKEQQTGKTTTPVASSMFQPRDFRSNSGTTSD
GMTFFDYQAPSPKKQRIVKMAEAQEPAPSTFSSAGGSDMSFEAKKDVAPPTKRRVVRMAEK
EYSPSTFESTTSEMSFEPKAEIIPPTKRQVQMAEKKEFAPSTFESTTNEMSFEAKAEI
LPPTKKRTVQMAEKKAFAPSTFESRGSDISFEARPVLPKKQRIVSMAETVASPPAPST
EETKSTEAESAESQIIVPTTTERFAQQAKQNESASLAYESIGSKMFEARVAEPPSPAQDIPG

ATDKEEPAPPTGDSEPLAETQPVADAPKKPRIVQMAENKEAAPSTFRKSDLSDMSFEAK
PMSDASKKKRIGRMTEKAQPAPSTFKNDESGMMYEAAPGLMFEEAIVETTKPSAPAEK
KNEIEPSRVAPEETSPLAQQDEEERKPEPDEAPTSVASPPQDEETVQVESAAATPLKTEEE
EEPLVEPKATTAPPDQEYEPAPGLMFEEAKVEEAETPATPSPSLEREETLQPPVVQKAPT
TPEKEERAEPPLIVPEEIEEMKKKEISGPEQPTVVESATAGTSLETETEVVNNPPKKRVVP
PSTTSMFRSVTPATDKPPSRMTMFQSKQPVKDEAPPSTMTMFQIRKPFKETPAPSRMTMFEH
KKSDKEKPPSKTMTNKTPEKEKPPSKTMTFANRIPEKEKPPSRMTMFERKTSAKEKPP
PSTAMFRRKVSESSFDTRAEASVVTAPSNSSESTESTTAELTESEGAQQQVEPKSAVKSE
DSPPTKVPRSDNVETSFETKKSPTTEEKAVRSPEEKESPPSSKAIQSKNNDMSFEVKKPA
PKEQVKRIVKMAEKNEAPPKLFQSDSGMMFEARRRSAPSTVQGGSMFGARTTKPAANK
LEPFKNLVKGGGALISSMFRPRTTAGPSAEEREKASLAEAAARQQEKARVAEQMRLAEQRR
LEEEARQKEARVAEQIRLAEQERVQEEARLAEARLSEAEKARLAKVAEEIRLAEEHKMA
QEAQLDKKARLDALVDEEEKKLTETAQLVEEARENEEKGLFEDARAAEQKRETPRVAKA
SQLAEDVQEKTPMIKVPRTASSKKIKRKDTGIGVEISLGSPPARRLVKMTEKKDLPLQKA
VRGTESSKPREIIQNI SKTPEKKVAPSPKAFQGSNDSMSFTVQPARTRVVKASERKEVAV
SESNP SNGSKAKVTDANNSALFQRGSKEATFDSGDSQFVYQSTKEKRLFLAQKVAQMFK
AQESAPATLESDDGMNMVITGRKPTRKVRKATDDSI SGNRSNTDGD LASKNLPQDIPGN
SDNDSMKMASFIANNLSKQAPAFGSIQSKMDVGSAKIATTDVQKFAK FVSDGLQMVNAE
SQKKKKVVTTLEEARRERKERKRKKIFGFEIGPSEEEIAAQLMEGGKHLAVEGGKQLAKFT
SDGLNMVYRAAEKQTKKEYISSSVVKSASKSDSSHAKKNKHVSNEVNPALFFATSDDTSMK
KKAETQKSSAVAPSESSAAHGGKKGENDAKTKKASSAIDTPKPF FAVSTSENNAPKTEK
AFKESVSSSHVSVSIGQNTTEEP IKDASTSSLLRS GGRMFVKFVGDGLQMVQKVATTKEKQ
YRRPRK

>comp11617_c0_seq1; 82 1 502 LEN=1337; translated
LGEWVSFPNDHFFEKSEHDTLNSSSLLCRLHGLSMCQLNIENFRESPPTEEEWVEDVGAP
DTIDVYPEVNDGTDGDSSSKVVVNARVSSQHKKFHNCGYETWVRAREEWKQQT VETVPEK
PALVERAQLMKGIRKATSQRTFELHRNVALPDMIRIYTDIWDGESR

>comp11617_c0_seq2; 211 166 735 LEN=1570; translated
MRRRKSQSPSSSSDSSPKASNNRTFFGSKHKRIRLNKDSTVTEASSLSSRGSVQTD SAP
WRVENFRESPPTEEEWVEDVGAPDTIDVYPEVNDGTDGDSSSKVVVNARVSSQHKKFHNC
GYETWVRAREEWKQQT VETVPEK PALVERAQLMKGIRKATSQRTFELHRNVALPDMIRIY
TDIWDGESR

>comp11618_c0_seq1; 254 458 1240 LEN=1662; translated
MVKLSGKPVLFDP SLATPSTSSADNQRPSLVPKVAVHKLKGEVVTENDPHGRPSLIE
RLKQSGVGRSRQGGKRKRQQRQMHLP IGRLDMPTEGLILVTNDGGFAREMELPSSKIHR
VYRVRVHGRLLTTHKLDQVRRGGVTYENVRYPSMQVSLEKPKRARSMSNNWLRVTCTEGK
NRQIRNVFAALGVSVTRLIRISYGDYKLESIPPGMAIPLPYKPVNQKAKGPLASQIRKK
KKRKRSEDMASPVKVVTSIQ

>comp11619_c0_seq1; 383 418 1443 LEN=1811; translated
MTTISIDSGDL DVVEKYAATGLVTDATTNPLFVSQAGANGDKRYEDMVSDAIMYAKKQMG
GGDSTMPDFEPEVNLAMDKLSVNLGAKLSTLVTGRVSTEVDIRLSYDTEASVERARNI IK
MYKEMGIPSDRILIKLAGTWEGIQAAKILEKEGIQCNITLIFSFLQAAAAAQANAYLVSP
FPGRILDWHKSKGANANSNGSFHPTADPGVLVIKRIYSYFKHYGYKTICMPASWRPSRGA
DVEGSDIDEILALAGVDEMTIPPAFLES LMVVDGDSVTRQCDPETSAAVCCDPDYKLDEA
TYKAYMESEACATAKLEEGIEAFTQNTMELRKILYDKFAEA

>comp11620_c0_seq1; 390 614 1473 LEN=1473; translated
MVR EAGPNVALQVRIQWWW DALSR IYDDPQQEQPSKKVNDSDYAPFSVSN TLAESYFKNP
IVRVMNHAVHEKQLTRRFLERLSEARESDLH SKQPETTDMIEHADSIFSSLLYLTLETL
DVRDESVDIVAQHAGIGLVTALRGIRFRLIREECSIPKDFLPKDFPYDKLIFTNNSII
ADESDDEENATERAKHMENLLDEEERQLLRDAVEQVCILAYSHLSQAQQLQSNVPKHART
CFLPVI PAMHYLSKLQKADYDIFDEK LLEHDNMTILALLGRTWLTGV

>comp11621_c0_seq1; 277 98 628 LEN=744; translated
MALRLTCNRFMRAASGQSKRVGLRSFGAAADAAPAVGAPAPSVFDKIVSLTIVDPSGARR
KINGVVGKSLYEACESNEVELGPMSIGGPSEIVHSETWTEPVFGTGPTSGYDHVIVTGAG
VNTATPKTDAETRMIEDYWDFDEVFPESRLASMITVTKQMDGMIVYVPPRVDDSNP

>comp11621_c0_seq2; 199 684 965 LEN=1081; translated
MSIGGPSEIVHSETWTEPVFGTGPTSGYDHVIVTGAGVNTATPKTDAETRMIEDYWDFDE
VFPE SRLASMITVTKQMDGMIVYVPPRVDDSNP

>comp11622_c0_seq1; 280 566 1378 LEN=1601; translated
MNRRLQSQWKRAPLASAVALLALVLSG SWLGAVDCWSSHTTETTTTPPPAGSNAPLSSHFI

AQSLSRRSILSTAACGVLLGEAALAANPNQALAEDEGEPSTTTTTTAPFIYERKQTVLNK
KELSYQISIPSSMKEGSKPVKTHLDEVNFVSDSVKRYQYGITVDPVRISSLKEFGTPEEV
AARVVTAEVNRDGI FEVTLLEDPFQTTSDGTDAYILKYL SVGKRGRKVYTNKIVVSPNQL
LYVLT AQCKEDDFPEQEKEIKSTVDSFQTF
>comp11622_c1_seq1; 141 432 1271 LEN=1413; translated
MRSFCLLLCGLLLAGVAESFAPHSLFYNGVATGRRRAEKCLFNSAGDNDDETYVEGDQDPD
SIARRDLIYNVIGAGLIGASGVASYSLSFQSNVYTPSGMQRLPRTQFIAALGDP SASEGII
AESGQWGLWPVDPGPRGVWLKDYKADILQSSTGKYKAPAGWTFDPQNNWLEEHGLIMEAP
DFPLKEGKYLVTGGRMVTTLTIEKGRWKLDEGTLYDVTHLPCRSARYQPIQGGDEGAG
TPTAANPRDFPVIPGAIMPSVPGARQQDYAVLFVVGKAA
>comp11623_c0_seq1; 222 130 816 LEN=1018; translated
MSTDEEKPPREYVETLMRKGSYKSSNQSTLEGYVDAQATGEGDYFFEANKALLKIYQFLP
KAADPNKVALVLLLAMLEYSPNTDWLALSYLIPERLQKTEPVSPVLRCKALDACKFSE
FWDLFGTLKGDKYMVVCVGRSTETVQKGILEAMALTYRTASLEKVLANLNMDASAAAKLN
GVPCVESVSSDTVTFVASSDNTKRSRVFQAGVSYSIAIANMCMNMTSSE
>comp11624_c0_seq1; 103 326 1246 LEN=1463; translated
MGAISPKNSTSDGQRITNHQKQAVVLLVLSAIIYTACKLDATLNMVPSPEATEGPKPGT
EIKMIALLGERNSTRTWSSHLEECFSHAIEVRTKLTRYKHWFPASYRYPHETLVITQ
FRNPYDWLKAMQHVPHPADHLQFRQDDRWMFLTSTWTMERVGTDKINNTRRCQEHFEY
KDIISCETEPLRSSYKLDYSRHQPFYEMMNDGSGRPYENIMEMRTDKIRNFLSIKNYD
GIADVWAVQY EYLLTKGTQELLDEVTRWTGIEPNCTARPPQRRNRPVVEREMADFIREHL
NWTVEAW
>comp11625_c0_seq1; 435 217 1470 LEN=1744; translated
MNL TGLQDIEMGGVKCKKILLKARQSMVGMSNASSKMELKNWLAATPAGLIAESSGSIPF
RKNILREWNIIDEDTVLPDVASKDRKGVGVLRFPASLLPDELKENGKILDDSECLAVDF
GKVDWKVFSPEVPIIILFHGGGMNIGGPNDTILVEDMSRLIQNCPSQSSRDIITVSVSDYS
LAPEDPFPLGVMDALSVVDYFLRENSIRKGVHITGTSAGANLSLVCGFESFRFPGRILS
IQSQAPMLDPSSASMSYMNQRSYPSVSWLRWSWQAYLGLEKIEYKDDGDNETPLEKLLR
KDSNHTSWKKWKTETYPSEALHRLVNPLLGIPDGLNIDNCNDEGTTKPTIIVRYQGD
LYSDGKAAETALKPKTGSNANFY EELGLHCGILGPYNPDAPQEFWTVWSEALFHGGD
>comp11626_c0_seq1; 428 380 1237 LEN=1528; translated
MFRKKKKNKADLVAEIDTLGHQEDNVANARVIKAKKSPRGGFKSPKAADNMGGLKSLTTS
ADGTLTEEWDPYLP RPPSMKHIDPADLV DENAEQVAVFNANTHEGSTMVRVLSEKGLRVV
AAVRVFTSRNTKALIKLKGVTVKVADWNESSLKVASGCSRAFLVTKYWERFDSKIEEQ
MAVNILRACAHADPP IKHLVLATFEDTRELISRNRKSQLVPTTEGKIYPRFEGKPIDDK
AKEWKVQITHMNTSYMDDGPNKRKSLILIRGDTGRILVQPHIVGA
>comp11627_c0_seq1; 306 219 966 LEN=1144; translated
MIGLIASF EIIHRRKSVSWHTAKNRRSKISPAGFMQSVFGRSNSGASNESGHSD EEP TTP
SQLKLVDATKDSINYGAPY PELQICPRKKQOTEVDDHNNIGGGPLKQSSAMSFQLDIPLH
HIRRIESIDTLTIV IYAKDVHAVDEKKAGTEKEAARVSFQSSDDRDAASLDLKM LVEW NK
HRQPDIEEELPVDGIRNRAQKAAHFAKREIEMREKKRDRERRKAGHMSNM TSGGLKYTAM
AMANQGV T
>comp11627_c0_seq2; 341 201 845 LEN=1023; translated
MQSVFGRSNSGASNESGHSD EEP TTPSQLKLVDATKDSINYGAPY PELQICPRKKQOTEV
DDHNNIGGGPLKQSSAMSFQLDIPLHHIRRIESIDTLTIV IYAKDVHAVDEKKAGTEKEA
ARVSFQSSDDRDAASLDLKM LVEW NKHRQPDIEEELPVDGIRNRAQKAAHFAKREIEMRE
KKRDRERRKAGHMSNM TSGGLKYTAMAMANQGV T
>comp11627_c0_seq3; 251 201 804 LEN=1161; translated
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DDHNNIGGGPLKQSSAMSFQLDIPLHHIRRIESIDTLTIV IYAKDVHAVDEKKAGTEKEA
ARVSFQSSDDRDAASLDLKM LVEW NKHRQPDIEEELPVDGIRNRAQKAAHFAKREIEMRE
KKRDRERRKAGHMSNM HRED
>comp11627_c0_seq4; 216 219 925 LEN=1282; translated
MIGLIASF EIIHRRKSVSWHTAKNRRSKISPAGFMQSVFGRSNSGASNESGHSD EEP TTP
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HIRRIESIDTLTIV IYAKDVHAVDEKKAGTEKEAARVSFQSSDDRDAASLDLKM LVEW NK
HRQPDIEEELPVDGIRNRAQKAAHFAKREIEMREKKRDRERRKAGHMSNM HRED
>comp11628_c0_seq1; 558 285 2966 LEN=3679; translated
MVCMDSPDPFDWIDERQTNINNDCEGRRDKTPCNASKSTWPQKEESEQK GKAKLQRKRKK
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ENKLPENFQPCFKFDVIYDCQORMANTHEGNQMLRELVWNNAPKYLAAKTRPLRGPIIQAIL
DEIRTRSTTG VGFVRYSEEADRWFVAVGDVVRVDKIGHALRYECSRRSSGRGQERRGKTVK
KVALGTVHKKRPSIPASKDISWMKSGIILRQKKHPNAAGLRVASRTSSSIVSTNSSAQS
QLTVGRTRGAIITNGPNEKHKLQLDDTGSPTASTHSSSLLSTDVSRVTKRRRASASPPDN
TVP SCHLQNHQHQSHPLSDSDSQGRNSNSGCHDSDDDQNRHSHSHGYPHHHTTAKTRRLHS
DRMQPQVTKLGHTSQSPSDNTSHSYHLENECQQSHRPESNRQSSRSNGCHDCNNHLIHK
HSDGHLHHHTMARIRSQHSNRMQPHDAFESNHPPSVGGRAGMTLAKETIVKTKSVAGTP
DRALPASARSPSPIARSRHNCTTGISSCTDAAVTDSLVSGLTDNSFQISNGNDLMFPVRE
ITVPIPLKTKNINTNIRSCPVPNNQETNSIDSNISSSNAGLSLHSSLPLGLAAPNQPKQ
VVQASNHRSPHRHCSQTGGDEGSNYGQQQVKHHNGHSALPSSPLFGRDKKVSEQYQSLN
ALNAFFDGPQEDGQTTDQLKKYQHQCQPAQPSPPVSPPHGQLHDPHYNPNLNGSRDEYR
YLQRMSELLHAPLGGNDPTIQHKRQQHQLADEQKTFSLCSYGEVEEPKQRRGNEDFLRQQ
ERVAEPEEVSTTSSISLEAQQEPQFLAIHHQEYADSEDEDEDYIYSNQYSSFI
>comp11628_c0_seq2; 470 941 3232 LEN=3945; translated
MCFAIRYNTPRKFTTRTEGNQMLRELVWNNAPKYLAAKTRPLRGPIIQAILDEIRTRSTTG
VGFVRYSEEADRWFVAVGDVVRVDKIGHALRYECSRRSSGRGQERRGKTVKKVALGTVHKK
RKPSIPASKDISWMKSGIILRQKKHPNAAGLRVASRTSSSIVSTNSSAQSQLTVGRTRGA
ITNGPNEKHKLQLDDTGSPTASTHSSSLLSTDVSRVTKRRRASASPPDNTVPSCHLQNH
HQQSHPLSDSDSQGRNSNSGCHDSDDDQNRHSHSHGYPHHHTTAKTRRLHSDRMQPQVTKL
GHTSQSPSDNTSHSYHLENECQQSHRPESNRQSSRSNGCHDCNNHLIHKHSDGHLHHH
TMARIRSQHSNRMQPHDAFESNHPPSVGGRAGMTLAKETIVKTKSVAGTPDRALPASARS
PSP IARSRHNCTTGISSCTDAAVTDSLVSGLTDNSFQISNGNDLMFPVREITVPIPLKTK
NINTNIRSCPVPNNQETNSIDSNISSSNAGLSLHSSLPLGLAAPNQPKQVVQASNHRSP
PHRHCSQTGGDEGSNYGQQQVKHHNGHSALPSSPLFGRDKKVSEQYQSLNALNAFFDGPQ
EDGQTTDQLKKYQHQCQPAQPSPPVSPPHGQLHDPHYNPNLNGSRDEYRYLQRMSELLHA
PLGGRNDPTIQHKRQQHQLADEQKTFSLCSYGEVEEPKQRRGNEDFLRQQERVAEPEEVS
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>comp11629_c0_seq1; 794 400 3612 LEN=4305; translated
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PEYSDSFSSNETIQALS IWDFMGKSENLC EIQKMFFTPQTLYIVVWDMAAKSVAPTKCE
FATASSTPVVLT PNDNRNNGIHDNNTCRNDCTRPLPSDANAFQLGYDESDNSDYDDIDTF
NQKELRRTRRMLERDIDKKVQSWIDRIQAITPGATILPIATHMDCFMPHNHPNSKDGEER
TSMGT YAAEFCTEDLERKEIKNRCRLLKERIAFNEARKVEAYERIRCSRNDSESTSSV
ESVPRPIFHFGNVQKDGQVLP HAI SVGFHSSDKKDDDDMSLGLHSHKKERDSKEGVLDG
TVREFVIRIACMIASTRETLD DENIGYSESSSLSLSLATDMLRGTCQKMAGR SKILQTE
YLTKKCSMGDLSLRVPTDSEYSIDENCYNDNYVFPALNSMHCLGELCYFGSNSSSPSKM
CRGYDLQVLSDFVVDPTWLVESIDFILQYAREFVEKITSFSNATIESSNSLKRQRLTNC
PTIEKEKVRSLWKNRLSTKQGLRFAEQYFQFQFCSENVKNDINLADKVFEFIQCLLVRHE
VFIPLSYQKSDSRHFFLPGLLGHKVGSDFKTRISSQNSLSGALSSSSSSILMPIDENCEK
SKVYADFAESNAAYHGLIFDDTAPQSLMERIIVHTIKSLSDILNANDGNKIFAKEIYCWK
DSFRLKLEVDIGDKNKVQTV EINS LILEGATGDTCSRMTTCETILATYFRGHHDENCKIW
MHTCSSRLAVQKALDEM QIEYREGAICPECLRKKPVSEIGTWTFGKIRSAMNDKEAFIR
CRHGHR IEMRLDGLYQLVGDIEQSLGKCDTTGKRSLSTSDGIASTLKPRLSSRKLSTS
TSGSILTSTASSAKRYSFRSSKNMPLDESLSTPAIDNCSNQIETKGDSSRICSSSKSRE
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>comp11629_c0_seq2; 909 400 4109 LEN=4193; translated
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PEYSDSFSSNETIQALS IWDFMGKSENLC EIQKMFFTPQTLYIVVWDMAAKSVAPTKCE
FATASSTPVVLT PNDNRNNGIHDNNTCRNDCTRPLPSDANAFQLGYDESDNSDYDDIDTF
NQKELRRTRRMLERDIDKKVQSWIDRIQAITPGATILPIATHMDCFMPHNHPNSKDGEER
TSMGT YAAEFCTEDLERKEIKNRCRLLKERIAFNEARKVEAYERIRCSRNDSESTSSV
ESVPRPIFHFGNVQKDGQVLP HAI SVGFHSSDKKDDDDMSLGLHSHKKERDSKEGVLDG
TVREFVIRIACMIASTRETLD DENIGYSESSSLSLSLATDMLRGTCQKMAGR SKILQTE
YLTKKCSMGDLSLRVPTDSEYSIDENCYNDNYVFPALNSMHCLGELCYFGSNSSSPSKM
CRGYDLQVLSDFVVDPTWLVESIDFILQYAREFVEKITSFSNATIESSNSLKRQRLTNC
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VFIPLSYQKSDSRHFFLPGLLGHKVGSDFKTRISSQNSLSGALSSSSSSILMPIDENCEK
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DSFRLKLEVDIGDKNKVQTV EINSLILEGATGDTCSRMTTCETILATYFRGHHDENCKIW
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CRHGHRIEMRLDGLFLYQVLVDIEQSLGKCDTTGKRSLSTSDGIASSTLKPRSSRKLSTS
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LSLENLNLTECQIPVKDLNDPKFGRHLQSLSLAHNMFETIPKSLVYCLPNLRSMNLSHCF
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>comp11630_c0_seq3; 608 195 1994 LEN=2052; translated
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VLQKQPMQGHSA SSVVYPPSLLRLSDRAFSQLQCLSPSTKSPVEAGNNVHSRLFALEKNT
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CATTILVSKSHNQFNLLVGTDRSRVWILSIASDAANLTVSIKRLEPRFLSLNVGKKASTT
KSSSAYVSNHHSRKKGSLGLPANERNQEATWKVTDLAASSDGTWWTASAVKTGKTKNNSD
SDGTSGLIVTWHASSGMVTARRETREAIHAIRLEQE QPPPHGADGIGCSSTLLYSAGNEA
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>comp11630_c1_seq1; 120 178 610 LEN=610; translated
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>comp11631_c1_seq2; 379 129 995 LEN=1104; translated
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SVTNDADRISRHFTLAANDREQKELKRI FHRRSKEDAAFDKAVSQSLESNKKRDEDNRK
DSEVLERAISLSLLNEEKQKEKKKEEEEK LQEVIELSKRESILQSIDEEDQIRKAKEISK
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>comp11632_c0_seq1; 200 1 1027 LEN=1027; translated
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GGGGQVALVLGSAAWDVIWPAEWQGP TFRRHLSAVRSLVERLLGGTIGGGISNHSNHYN
NLTVVWKLPIAHLQAANPGLCFSGPEEAPDRGSCSGALRYATTERFRKVYRAQKKLLEQ
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>comp11633_c0_seq1; 332 1 1631 LEN=1834; translated
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IDRAMVLKRRFPNARFLEFGVHEGKDLVRMAAFLRSIEERDRGRKKTKTNNNNNNNNK DQ
SKPGANQNRDHPAYTTFFHGFDSEFGLPEDWINGQIGEDDQPFHKKGAFCTGGKAPVDH L
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LAYECFAYHXAPPGEKTQALRVPVGGRRGHEQPRALSGAQRKTTERKATEGAQAAPNAK
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EIG

>comp11634_c0_seq1; 533 115 2222 LEN=2603; translated
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KENDTSRYMNYIPILRRFQNLARSVNEGIMLELQAARSLLAHVPILETTKAALVRSCSFR
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DAAYSNSLACIELLTSKGAQIDAKANS GATPLCFAAQEDASDSARLLLLERGADLSSRCAG
PPPDDGAQYHNPLPNPHSRFSGYTPLHYCAHYNAQRASQVLLSHPKAKSAMEVPDL SGR
LP IHVAVARGSSDVL RALLHAGARIDI PPNGSPTSVARPSPTTP IHFGLLPAVAARQQIV
PAEPGSPNRSHASSATSTSPVTSPI LRSMIPSQPINSKPNWCLSQQAIDECRELI LKSE
QSWSPDRHLLFTPNDRKAVMELLRVGKRLEQNGTGIFIDLWPTILGFCGRGWFFETDVC EM
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>comp11640_c0_seq3; 146 84 1240 LEN=1700; translated
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>comp11640_c0_seq4; 204 84 1142 LEN=1602; translated
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QLIAHDREVFDLAFARGKDV FASVGADGSVRMFDLRSLVNSTIIYESPDLEPLLRLLEW NK
QDPNYMATFMVDSRRTVILDIRVPSLPVAELGGHLGCVNALAWAPHSSCHICTAGDDSQA
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>comp11641_c0_seq1; 773 753 2759 LEN=2987; translated
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KNFQSR LDQMEKRYIMQLETRLDRCMSSTRVWNESTRERLLDLQSDVEAEAKINDSFRNG
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DSESQRGI
>comp11642_c0_seq1; 1098 123 2255 LEN=2414; translated
MLTSWTKGPEEPPLYSDWKVSFTAHR TVEEPNDGPSKDDQDTHSVSTASTTSADGEDSVD
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HAFDAVVEAFRILLDHCYHAGARAGNP KALNVLEKQLGGEHNEKATIVAVFCLSRFFEMD
SQLCQKVHEFVSTDLTPD TVAAYYAVVKCLRSSWSSSSLPVLD FNPIMDMIILLCHRIP
SVLSPDSDL SRIADLSLWLSIGSLLARDNDYNETGDSNIVDGDGAAAANKASATAPSGND
DNESKVDPTGESPTRNSKA WSENLYFFD TYHQQESVVDLRDSFRTLTAESVLPEVSEKV
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VEIQEPSPENENA AVARRLTGLQERICALCESNWAGDENEVKDFAPGKLASITTPAVLE
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NKVKEESEKRKAAEEI AKSVESRVADEKKALRKVSEVLEA QLEAAEKVKKSLEKRLRVLE
KERSKTESDRELYEHSVRET IKRLDGITNPFVEDDWCLKSCGGFTPLITMMSTVNDHREC
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>comp11643_c0_seq1; 222 124 747 LEN=1002; translated
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TRHRRQRLISFIGEALNTIRRAPADDN
>comp11643_c0_seq2; 222 124 747 LEN=1043; translated
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TRHRRQRLISFIGEALNTIRRAPADDN
>comp11644_c0_seq1; 381 62 1039 LEN=1183; translated
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AQIEARIRPDDEEYFIASAT FEGWKFYDVFTTKNGATGYWDGMDSVKKERGE SMPEKKS
GRLPSASPGVQTNETK DASVTNKPKKKRKKKGGPTIVHDPNNPMEQVQAILERRNQKLMG
MITADHDLPSGW EAAKDPSTGKSYFFHRASGDRTWEKPKMSTGSTKDQGNNTETLPAGWK
SAVDQVSGKTYHHSTGKTTWTKPR
>comp11646_c0_seq1; 201 237 734 LEN=1821; translated

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>comp11646_c0_seq2; 359 237 1058 LEN=1639; translated
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IAFFLYSVLFHWLGFGLIIATAGREMANRHLDTKSNSHVRQSVEWLYAFDIHCNAFFPV
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>comp11647_c0_seq1; 542 382 1857 LEN=3482; translated
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LKRCKYDRIELLQKKLKGDWDHP IVVASDDCDGNDGSRSQERSTPTPTLSEAEQALRKAT
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>comp11648_c0_seq2; 509 188 1719 LEN=1761; translated
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GLKAIDL SFKNVKG EGLRAI IRVLGALQSLDSIDL SRNENIGPSFDFLEFVSTKQPIFPG
LVLDLDSGCRLDTSSCTTLLQAMQPI EDEDGQEKQTSERTSRNLVLKLN SNNFSDPLQVK
DMMNVLSQGSLSVQLYISACQIGDDGMEHMIN ECCKSGVNN DATNFQSLHTLDVSNNDLS
SIASLANRLHQ SANGNSHYFSNLKSLNLSN NPLGANLLSSIGSNVQWISSLEELDLSNTT
CEIPGAVELICRSNSQSASLKKLNLFGNKL GSDGFLELAKVLRGGHASLEYLDLGGNGAT
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>comp11648_c0_seq4; 509 163 1694 LEN=1736; translated
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GLKAIDL SFKNVKG EGLRAI IRVLGALQSLDSIDL SRNENIGPSFDFLEFVSTKQPIFPG
LVLDLDSGCRLDTSSCTTLLQAMQPI EDEDGQEKQTSERTSRNLVLKLN SNNFSDPLQVK
DMMNVLSQGSLSVQLYISACQIGDDGMEHMIN ECCKSGVNN DATNFQSLHTLDVSNNDLS
SIASLANRLHQ SANGNSHYFSNLKSLNLSN NPLGANLLSSIGSNVQWISSLEELDLSNTT
CEIPGAVELICRSNSQSASLKKLNLFGNKL GSDGFLELAKVLRGGHASLEYLDLGGNGAT
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>comp11650_c0_seq1; 378 309 995 LEN=1598; translated
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KVTNNGKDPALAA LAKQLVQTRKQREKIMTAKAHIGAVGMNATSMATQVAAAAAIGNVSQ
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AELGVEMDSK MVGLDAPTMQPVGEQLSTEEQEALDSMLPDLKSRLDAL
>comp11651_c0_seq1; 712 1 1540 LEN=1912; translated
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NLP SNGFTGSI PSFANASGVLGHVSFRSNAL TGSVPEELALLESLDALFLEDNDLEGLVP
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REDPIDLALNSTAAPVDAATVADGATAEEASDAASNATVDAMVDATVDATSDAAADDTVD
VTVDVTSEAAAEASDATADATANPVSDVTVD ETVTDAADATAEESMVAEVP TDEA
DKATNSSAPETGNCE SIEVGFPCYNPGWSIDFELSHGGCGILPTEEYDFVAVYLSGREDT
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>comp11654_c0_seq1; 399 690 2099 LEN=2436; translated
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WASVFC AHTE DMNLF SINY LHAGAPKVWYAVAEGEDSRRFEHF MESNYVHAKKQCSEYLR
HKRSLVSPAVLKKAGIPYTM TVQYPGDAIITFP GSYHSGFNTGFNVAEATNFATPEWIPY
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YGSNPKKLNNTDDSKTIGKNSKAKDFWVEVMQTTAPKKS KSKSRKLNGLIEEKEVWHLA
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>comp11654_c0_seq2; 470 182 2011 LEN=2348; translated
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>comp11655_c0_seq1; 30 1 360 LEN=360; translated
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>comp11656_c0_seq1; 743 667 2670 LEN=2670; translated
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>comp11657_c0_seq1; 749 222 2812 LEN=2999; translated
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FESRLEEVEEHRKRISQLQKDYGR LQEE SDESLEALTRIARVSHNHEREKGRRHALER
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>comp11658_c0_seq1; 662 2181 5240 LEN=5434; translated
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LVAENSI EETMFLLLEGNDHDPDGDSSRATGVLKFRSTAKDQKNSEYQQAQVHYLLNSLK
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>comp11658_c0_seq2; 952 232 5016 LEN=5210; translated
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DFRGDGDGDFSPSCCFLVLEKQKTSREPMEQQLPNMTLKSTVTGEEKHQYTGNDQKNQ
QSTHTQEFPPRYDGTVHDI SCSLCGEGLSSQSKHKSRSASLLGLALASQDYGHIVVQS
IKVGIYSRKSQTSETEHRANYQHRTHYRKRKARLLIAFACQELFGHHAKQKHRTSLSPKH
LQTNRRRFFVDSKTTKSLPAATQLVLSIMSSDWREYDKLLDDGLLNSTSLVRRRKERTR
ALSFFPSRMNLEDVFLRIGGVSSSPSSARWSAPAVSPRRSNDRQTEGATAKQLLLSMPSD
VLCHHIGGYLRARSLAALRGTC LHLHWTLRAVVPGLRLDLYSHQIESLQWMRERESKPIIT
EDDLLMEHRPPAKSIQTAQQQLYSDNTQPKPVSSNEEQIQTKKQKQPLGGLTASQWSAS
NRRTKWDGDAHRAATGGGTVVLCPRLLQQLHDHDCAGDGGAIRISQSDCCEVVHGGQGT
LGGDPLSRKVARGLLCDDPGLGKTITVISLILQTMGLTTEKETGPNDCKPKIDSAAQQD
TQTI SIDDQSASVDES DTKTSPGTTALSPDERIFEEYWNEQI IPEFRGRALTKLSTFL
RSSSEVNLFFDHYWRKALQQVDTKNTLPRPLSLKEIRRRIGRSVYDADSLQAFVSDVESC
FEAAIVSSSEASVSTETSSTIREAALRLLTVFRSRI VAFKTSQVEVATKSF SRASSRPS
IVAVLVQKTNSEKLNALLPSSATLLVPAVLVDHWMEQFKLNVDISYCTGKIPLVFNVT
GSNSSALKIEEILLKCRDKKTHFFIFVDRTSTKKIPPSFIALFKIVITTNRFSSEWK
NGSFEDEMRRNHSKSTRNSGTSRFADFRDELATSEEACPLLKVNWLRMIVDEGHSMGRGR
DNSSISFASWINAERRWAMTGTPTPQTSTQSGLTNVFNLMQYLQHEFFTRRHGDVTWNQ
LIVRSWNRGFLSSFFRLRSLLSLLMIRHVKSDITELPLP IFKINTLSMGFEVSTYNTLV
CAIQSNLVITSMKGKTSQAQDSSLHKSQTKHAREAINLRLVCAGGTQVRPTLSDEYHTE
FHQDFENCNSDPIQRKIREFISRATTGRQSKDCCSVMLSTLLVFPCHLVCTECVSDSD
TTSCIVCDKEFDVDAFQRLQPGFKYDWLHNVEEEAKERANCRIEPTAQDEGGALPLPGGH
GVLIPSNQRQRRARTRKFGDGHTCQYDPKRS DGKCVLCFAEHEPCYLVGERRCVVCYRSA
ENCPTSESKITHIIEKLLNLYHRKVEAERSAAHSGRNRVWGEKFLPTGGRRPPKVIIVFSQ
FRKVLNITGDRLLRRFGSGCIAEYWGKYRKKELQKFVRDEKCLCMLLGKDGSEGLDLSFV
THIVFLEQVWDKSLNQVVARAWRMGARGSVETLVAENSI EETMFLLLEGNDHDPDGD
SSRATGVLKFRSTAKDQKNSEYQQAQVHYLLNSLKLIADNTTVVGIGGGSNDDSHKETT
GSPGPD TGKKRQLSDTGGPQKGEQTKRHRVSFQV
>comp11660_c0_seq1; 332 353 1741 LEN=2454; translated
MNRDDVLKVAHKEVASMMASELNSITSEERARILDDVHVGQISPEEGLN LVIRDKLNEM
EAVLRSISIKPAFDEAQR LCRGTPHGLVNNPSFRLKFLRAERFNVDAAQRMINNLELIL
ETFGECLVRPIQLGDMMLDRDNHGSDFLFSGNFFQIMPFRDRSGRRVVVRTGRKVFRN
DDIDMETRLKALLYVCQELANDVEQCQMGVVLIGFPLTKCTGDPILSGPVKKIYSVFAQK
VVPVRLAAVHL CIADNPWFRLASTLLLQAFSKEFRLRSRVHIGSIEECSYKLMTYGIPGD
QIPIKSSGVIKCADHKKFIAFCQEREDAI FRNGGEFKGIFCPASKDILVGRGPRIKSHIG
NETYRMLLQSKYDEYNVATMTRKKQILFDIVEQVHVYGG RFLVPTKNCWMETDDETARNK
VSVAFRDVRKNMNAKKNLEYTDSVAEGLSMAMRVDAMDFGCM
>comp11660_c0_seq2; 175 637 1149 LEN=1862; translated
MTYGIPGDQIPIKSSGVIKCADHKKFIAFCQEREDAI FRNGGEFKGIFCPASKDILVGRG
PRIKSHIGNETYRMLLQSKYDEYNVATMTRKKQILFDIVEQVHVYGG RFLVPTKNCWMET
DDETARNKVSVAFRDVRKNMNAKKNLEYTDSVAEGLSMAMRVDAMDFGCM
>comp11660_c0_seq3; 314 353 1917 LEN=2630; translated
MNRDDVLKVAHKEVASMMASELNSITSEERARILDDVHVGQISPEEGLN LVIRDKLNEM
EAVLRSISIKPAFDEAQR LCRGTPHGLVNNPSFRLKFLRAERFNVDAAQRMINNLELIL
ETFGECLVRPIQLGDMMLDRDNHGSDFLFSGNFFQIMPFRDRSGRRVVVRTGRKVFRN
DDIDMETRLKALLYVCQELANDVEQCQMGVVLIGFPLTKCTGDPILSGPVKKIYSVFAQK
VVPVRLAAVHL CIADNPWFRLASTLLLQAFSKEFRLRSRVHIGEIPQAVYSSNSLNWYRK
KCLLDSTLCNIWANRSXLHIGTSAHSFASRNTLSHESRFNEGSIEECSYKLMTYGIPGDQ
IPIKSSGVIKCADHKKFIAFCQEREDAI FRNGGEFKGIFCPASKDILVGRGPRIKSHIGN
ETYRMLLQSKYDEYNVATMTRKKQILFDIVEQVHVYGG RFLVPTKNCWMETDDETARNKV
SVAFRDVRKNMNAKKNLEYTDSVAEGLSMAMRVDAMDFGCM
>comp11660_c0_seq4; 175 461 973 LEN=1686; translated
MTYGIPGDQIPIKSSGVIKCADHKKFIAFCQEREDAI FRNGGEFKGIFCPASKDILVGRG
PRIKSHIGNETYRMLLQSKYDEYNVATMTRKKQILFDIVEQVHVYGG RFLVPTKNCWMET
DDETARNKVSVAFRDVRKNMNAKKNLEYTDSVAEGLSMAMRVDAMDFGCM

>comp11661_c0_seq1; 678 1 2156 LEN=2250; translated
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SLLQARVMNLTAAAAAIGGMFGFPLAGGIFVMELPHRMGLQYFEALSPATIASIVAVLIN
RIVIDNDVTGMFQYPFLSESLPSYIFKDAIIYGVFGGALGIFYTLNVKGIKKIVCHLLDF
CDNPPVSYDNDTRTVDDLGELTPFVTPMNTTRSKPQSPFAGLIPNKATRAALTSTIAGI
AVGITGIFLPHVMFWGEAQLQTMIDKRKTPLPIFGQGDDPTADLVALGQCMIDHGQESFL
NIRCSVAIVLAKIFVTGLSLGTGIVGGHFWAPLFBVAAAASQFFTESISIASKWLGVSTSL
TQYPCVALLCIMGATHVVTFRAHMAIILILTLTIDAFVPEDYALRNLKVAGDYSAVFPLL
TVAVFVALQISRHSTFYEKQRSRDIQALPEALCEPGKEGKPLVMDYEGKLLHALDDSDYE
YETDYDSDDDFSESLKTNEISVTLSQDDIEANFQEKKNYNAPSQSSTTSLPSLPSDSKEK
SSTFTGTSPRISQIAKTESKRKKRIQVLDQLLNGPIETTSKRKTHRRTRSEPLLLLEINE
RKNSMFSSAESTVWKKPVLKRVDSYGEIDQGPQLMDQARRRAASVAKADNGTKKKY
>comp11662_c0_seq1; 401 118 1767 LEN=1845; translated
MAENLSSRESARRWRVLLTGESLKPKLAKSRSRKRRRTPSTTSSASHQPVEDPFDNCNSIR
VLPTHDIVESTLHQYLEKWKELDDRKVNQKTTTANISNKTQDASTAVRTPASNFVAQPM
NTNNNGGWAMEDRLSLPEGFDFNTKSDSHQKDPPIDDGFSGERVISMTNPTETLSYHR
ELWKLFDSPHRELEEQARGGHSVTNMQRIYAETHNLTGVTSDGSASSRLRMPERHGLP
QSSALYSRDDQKGTTELQRKHAYNSHFSTVVFWRQPKRGASSDCHRMLIEFLDSQTL
WDVHMLLEQMVEDDLWMTTGDHEGSGDNDRISIDNSSLPYDDETQTKTRKPENYDPSGCF
FIENFYKTPVDYVTCICDWIDGNNPSSHISPLRKRYLGIDPTVDISYHKTMKETKLSQI
PFRLNIRYYHACHGDVETAVILVDRKFISTKTGENSSSESVYPLIHDVWTPARFRLPATPI
CDACEIYQSVFQTSLDCKTTDGGPRSLCIECCRDRLLENEKESVKLHRVWRDQANLSIR
IARDHGLSF
>comp11663_c0_seq1; 1242 1 4123 LEN=4243; translated
XGALASTLCGESDSDTRGYSSFFVSSALFSLRQHCFYSPKLAI RPHSALYDKAGRIPRVR
DGLFSASGAGGTSSVVNVSQPDAYNALSILNSSTKLQQLVLSILVIEGEHHIQIQNADEM
FFKMGMIPTPLWAKNRKDAKEAKKVVILAALPGIQHVVSALLDSLGIQNELLGMPGMSVN
HSDCDETKFSNPDNCTKQRNAIAWAKSQTILSAFVGENGRKTDVIAAAPAFSGANDGA
GVEGADMIISLDTDWSRRDDFIIDTLVRRLCARNKFSGKDDTLIRLVCADSVEEQVFFDV
DGENEACDWPLDTNGFFTLDPDSEEEILRCYKDPKNTSPFPATGILRKRGDLENVLSQ
SGSLPSFFGFSVAKFLPKRIPVNGYKGMADAETIGELQFLRYFLRSEERGAVPVVASTVA
KRMVTSEIIPVGLTSRQDLPIESRLFLEKCLHANTLLGSSAEDNSSLHVQOPHVSLLAG
GQAAEESFVPKIDENPSALLFYEPGPGSPKNTNKASQGRYNAFAKVFSSKSWNGVSVRDGN
QGCEPLVFFPPLFPLLEESSKKARIEYLSTPKANEIGLNNNEENSTALKRKRDRDFETEN
DVKGDRKRPKTQSSAAHITNGHADVVSSSGIFVKESSAEPKTSAVDQLEKKNKNADLTKN
KKEFKDSGAKDSRFLPEDDFGLLGTGAFARPIDIVSSSARDPRPNCSSLSHSNEYDCVS
YQMPCDAAEANKSAMDMDEGMNSVILFVKKRPRSSQSPYKNGQGLSNITPLSINSRITG
DES GKMRKKGSGQNAISTPTAFTRLPKASSANNQMLSRVSSSTASKQVKGDFRHRLLAS
LKATGVTFLFDSIPYKAGLRVEERISKRLIILMWKSTLAMDLGPGLPIQLAEKLYSIDKD
QNNGLDGWASIIQQPKDGASTGDLAISQSSMQRQAFKRSLVSPRCVDFGVFEVGYLGS
GMTAISAAHSRVGVSPLPMGVKVMQPTEDQIKHSTWKVGDDKILQHTANKFGMNWLLVASA
MSGFERAIINTNSSGEDQIVPSIPKSARQCRDRWQLLVKRQPSLANEVRRKEVLFHQAL
SRFWAVERFDDLKVKVETQMLSTQGVSVFCKSSDFLNPTETIQSIADTDMSGVDQKDLAK
VSSDVPTKSSSIDSPRSTVDKDKDEIPNKDITGHVLQDVGMTDAFPKPKSEPKRRTFSAI
KMARSRRQVFPITIPGIDMGGNQAGHPVPSHPSHMQSVQMSVTAHLASGRTEMWPLQILD
LADRQRNSAARAMHPTAHSNHPRHHQSGPSYQHRPQHPSPKSGAVRTSVGYSPGLANNVVS
RSVNPSVPPRHQHRSPSVAAVTAQAYVPPQTNSNMATAKKNNDKLLSSKANPKNG
>comp11664_c0_seq1; 315 1 1071 LEN=1087; translated
ARINRHSKRMMASALLSRSRQAFSRSSRI PRPKLHPASSPALIAVANPRSSCSIRHTST
YYDSQSGHLPLVHDEKEIRLFLDVTNGFNBSGAGDGEKLPFLPHRMSKDRFEAEVLEKL
HHLIQQGIHGVLPPIKFPRDVRNLQTL SVVAPPNFALLSDSNGEENLNDGKTNAVEDG
ILKPQENPSDPAIFSKILNYTGGEESQNSLQRCVQKGIHTTISVKEDAYAGDNNEDIKPI
ALANNIATMIDTTGGCDYLWISSNTRSEVYTSNISDATIVEVCEELIYLDVAGASIKSRL
VDSLNNMLEDILFAGANKYVIADKAQGEMVEDAAEQQKSLLRITDTKMKDFKYY
>comp11665_c0_seq1; 263 1 918 LEN=950; translated
GSSVSYQRPPYQRLVSATRISVPIMDMVSTKGVRCAIWQLFFACCGISLTLNDDVSISC
GCSALTTAATADTRKDTYFRLHPRWQQESKLNVMGDAQGEYYGEASGSYMKELSLIEEL
EQIVQLASQPIPERPDGIVVVVKFSSASRAECRATEAEFERFARNNPASIFMRCMEEYED
ADLLEQVNVRSWPTTDIFYQGNRVARIEGPDLEGELEKVLNMYQFMNSDLDFSEGASKK

WGDGKAKDMTKTPRTTARFIPAYDFDTPDKGFFDEQGDKAQQNFEDTFGNWLPDIEDDED
NERKS

>comp11665_c0_seq2; 199 358 612 LEN=644; translated
MYQFMNSDLDFSEGASKKWGDGKAKDMTKTPRTTARFIPAYDFDTPDKGFFDEQGDKAQQ
NFEDTFGNWLPDIEDDEDNERKS

>comp11666_c0_seq1; 280 1 1717 LEN=1791; translated
XTETCVVADPAAQPNDLWESRGLVVQVYKSLDTAQPPVSIIDIASTLGAGSDLPLAIRK
ACRFWFDPSIKTKGDVSRYLNSVSRNGFKISTLSNSKQGLDRRAQLVCSRGMVARKPRG
KRATVQTTTTTRPISNEQKCPFSFTVYECRRSARWYFRKFGNGSRMHCGHCKLLPQQVGIR
QFQNLTERNGENWSEDQTKSVPVNAVSPKEGNADRETCLAKRTPKVASDVNKAIDAFTA
HAQQGGSATFASSVANVVRDQFLERMNGADNRISHANKASVHVNEMVLEPNDLSHFLSRK
KIDWSGNIHQQIRGINNYRKNREYSSMLEKEISHYSGFASRKKIKEDELERIENHLNT
INDKSFILDQAEIHRNYLAESKCKSPISIKEXNMNRNQNLAASYCNHDAQNMANMVIQQLS
AAEPGRSNQLVDSMNMQKTWNTQYNAMNANSNTANQIQKSSLIHGSNAYGGFTKNI IQEP
SGGRCAGTNFSNFTMGNMNTTERMAGIRKDNVSILRPTEIYDSPTNPEAGATNSKPD
MVA SVENSTGSKNCFVEEDIVTQFLVQMHAHPEIV

>comp11666_c0_seq2; 324 1 2028 LEN=2102; translated
ERLIAVSNIQENKDAIYSNIPPLAPLHTETCVVADPAAQPNDLWESRGLVVQVYKSLD
TAQPPVSIIDIASTLGAGSDLPLAIRKACRFWFDPSIKTKGDVSRYLNSVSRNGFKISTL
SNSKQGLDRRAQLVCSRGMVARKPRGKRATVQTTTTTRPISNEQKCPFSFTVYECRRSARW
YFRKFGNGSRMHCGHCKLLPQQVGIRQFQNLTERNGENWSEDQTKSVPVNAVSPKEGNAD
RETCLAKRTPKVASDVNKAIDAFTAHAQQGGSATFASSVANVVRDQFLERMNGADNRIS
HANKASVHVNEMVLEPNDLSHFLSRKKIDWSGNIHQQIRGINNYRKNREYSSMLEKEI
SHYSGFASRKKIKEDELERIENHLNTINDKSFILDQAEIHRNYLAESKCKSPISIKKEIK
NIIAKETGKAGKYCGNXKATDDASNYI PHFFLTFEFDNRNSKQTLANMPQTNTIGNMTRSNT
NRFVEHRTPNARLLTNMNRNQNLAASYCNHDAQNMANMVIQQLSAAEPGRSNQLVDSMNMQ
KTWNTQYNAMNANSNTANQIQKSSLIHGSNAYGGFTKNI IQEPSSGGRCAGTNFSNFTMG
NMNTTERMAGIRKDNVSILRPTEIYDSPTNPEAGATNSKPD MVASVENSTGSKNCFVEED
IVTQFLVQMHAHPEIV

>comp11666_c0_seq3; 346 1 1930 LEN=2004; translated
ERLIAVSNIQENKDAIYSNIPPLAPLHTETCVVADPAAQPNDLWESRGLVVQVYKSLD
TAQPPVSIIDIASTLGAGSDLPLAIRKACRFWFDPSIKTKGDVSRYLNSVSRNGFKISTL
SNSKQGLDRRAQLVCSRGMVARKPRGKRATVQTTTTTRPISNEQKCPFSFTVYECRRSARW
YFRKFGNGSRMHCGHCKLLPQQVGIRQFQNLTERNGENWSEDQTKSVPVNAVSPKEGNAD
RETCLAKRTPKVASDVNKAIDAFTAHAQQGGSATFASSVANVVRDQFLERMNGADNRIS
HANKASVHVNEMVLEPNDLSHFLSRKKIDWSGNIHQQIRGINNYRKNREYSSMLEKEI
SHYSGFASRKKIKEDELERIENHLNTINDKSFILDQAEIHRNYLAESKCKSPISIKKEIK
NIIAKETGKAANMPQTNTIGNMTRSNTNRFVEHRTPNARLLTNMNRNQNLAASYCNHDAQ
NMANMVIQQLSAAEPGRSNQLVDSMNMQKTWNTQYNAMNANSNTANQIQKSSLIHGSNAYG
GFTKNI IQEPSSGGRCAGTNFSNFTMGNMNTTERMAGIRKDNVSILRPTEIYDSPTNPEAG
ATNSKPD MVASVENSTGSKNCFVEEDIVTQFLVQMHAHPEIV

>comp11667_c0_seq1; 199 1 699 LEN=3448; translated
KPSGSGSSVGTSTSTGGSSKWGSSSTSSSYRPIKSNGGGYAKTNGFGKYPNGGYGTGFM
TGYFLSSSHYRHGHYRNKYRNSDTYPEEDLKYDEYFDRIENGCQVGVDSYRAFDNNS
SNSMWTGCSEEWRYDMRVLKDLTPFVSPPLEFYACDLGDTCATCQDELRGQNF DALTLEK
FDFDNKTYLVDCYLPKNKTLVNETFDCINDECIFLSEKYASPSASTVTSILHW

>comp11668_c0_seq1; 162 1 837 LEN=1248; translated
VQKHSRHPCTLIMHFGSEENWYLYLYRYDETIRNTRNPHSHNSSYSYLPNLQMTVFGIN
GFKVVSFLTILAVAALLSTLSSISAFSLTPDGRGLPPMRSSTGTRLKASSSTEHN
GSDTK AEEVVRKYFDGVNKKDPEQLRSCFGESATIRDVCALDATERTVQSDVLVDR
CMEFVTAHP DCLVRFHYGPNEHRQREDEDQDGVVVVAHWYIEGTWLGESCGIPSPDPP
RPMTC EGQTRFRVAGADSDPKIQEFVVTRTFTEWENAMIAKRNKEAQLK

>comp11668_c0_seq2; 247 104 781 LEN=1192; translated
MTVFGINGFKVVSFLTILAVAALLSTLSSISAFSLTPDGRGLPPMRSSTGTRLKASS
STEHN GSDTKAEEVVRKYFDGVNKKDPEQLRSCFGESATIRDVCALDATERTVQSDVL
VDRCM EFVTAHPDCLVRFHYGPNEHRQREDEDQDGVVVVAHWYIEGTWLGESCGIPSPD
PPRPMTC EGQTRFRVAGADSDPKIQEFVVTRTFTEWENAMIAKRNKEAQLK

>comp11669_c0_seq1; 701 119 2026 LEN=2521; translated
MTIDDAFPPTPWPGHDAFGSMNTNANTNIDDDINS MIDGLELFYKGNFYFEDNICTSTV
VAENKSHNINLGIVSDLDLLET SRNKIKDSIANTSTNMIISTVVVDVNSTQTKPLLVSST

ISDDIQTPITADAAKTKCFVTNDTADKAFAPDKIAVGASADKAHQNISAPASAASAKGHE
TLQSLVDNGTSKPTDLFHTTTCYSNSSSNCINISINTSTDSQSRTEKNIDDRKIDRSND
PRMSFQTVLEQQRATIERNQQIIEAQONELHKQKQNTQLQQKALELPQKSKTKDQAKGSF
VQQIQPTEKCLKHYQFAAIKQRATTVVSPMAAPLPTPVKSCIASSEVI SRENSSDNNSTINE
TCSSSSNRWKLSPAGDTEQKILGNNDCCGNGIGINNNSNTSSNENVSDRNRHNAGIPAST
KTANVCNHHQHKNVVRDANPQTVAMTNMRTSGNKHNLSMVDLEVRRENRKHKAKSRLR
KKSLTSDLEQSLLEWLRNENAKFRACIEDHIARKKEQNESNEQPTNNNKYSIEGLLEERR
IRSHDRFVCCILGEANQVASNGNRKTKTKGNRNRRIKNNSTNQPSLRKMPHGRGASVNEK
TLKVLRLGLSKALLASRTSQQNRQMFANQSMPLTE

>comp11669_c0_seq2; 692 119 2128 LEN=2623; translated
MTIDDAFPPTPWPGHDAFGSMNTNANTNIDDDINSMDGLELFYKGNFYFEDNICTSTV
VAENKSHNINLGI VSDLDLLET SRNKIKDSIANTSTNMIISTVVVDVNCSDKIVYIKKG
LSRDATSNDIAPTTIRTTLTPPIATQTKPLLVSTISDDIQTPITADAAKTKCFVTNDTAD
KAFAPDKIAVGASADKAHQNISAPASAASAKGHETLQSLVDNGTSKPTDLFHTTTCYSNS
SSNVCINISINTSTDSQSRTEKNIDDRKIDRSNDPRMSFQTVLEQQRATIERNQQIIEAQ
QNELHKQKQNTQLQQKALELPQKSKTKDQAKGSFVQQIQPTEKCLKHYQFAAIKQRATTVV
SPMAAPLPTPVKSCIASSEVI SRENSSDNNSTINETCSSSSNRWKLSPAGDTEQKILGNND
CCGNGIGINNNSNTSSNENVSDRNRHNAGIPASTKTANVCNHHQHKNVVRDANPQTVAM
TNMRTSGNKHNLSMVDLEVRRENRKHKAKSRLRKKSLTSDLEQSLLEWLRNENAKFRACI
EDHIARKKEQNESNEQPTNNNKYSIEGLLEERRIRSHDRFVCCILGEANQVASNGNRKTK
TKTKGNRNRRIKNNSTNQPSLRKMPHGRGASVNEKTLKVLRLGLSKALLASRTSQQNRQMF
ANQSMPLTE

>comp11670_c0_seq1; 146 1 832 LEN=969; minus strand; translated
XPRKNEAKTHYLLSCYCGTTSTVKTDEEFCEGESTDDAKFNGCLADLNHRFEYRFGYGGN
NDAPVYKVISPPKFQMMGCATLTDSYPVPIDVYVASETSIGDEQNAQECNNRCHAENYSH
FLLSCP YFDDAGPSYYTQCYCRNTVSN TDKTCPEGEDKDTRSGSGLCNIELSHSAEYQFSY
GSDAHTAPAYKVIDPNKRRLTAKFSTNTADLLQRHLQQE SNNADTIGSFSGTEIRLSKED
NTDAVFGNLAAPAADTSPVPSTAMAAGAVVAAAAALI

>comp11670_c0_seq2; 146 1 832 LEN=905; minus strand; translated
XPRKNEAKTHYLLSCYCGTTSTVKTDEEFCEGESTDDAKFNGCLADLNHRFEYRFGYGGN
NDAPVYKVISPPKFQMMGCATLTDSYPVPIDVYVASETSIGDEQNAQECNNRCHAENYSH
FLLSCP YFDDAGPSYYTQCYCRNTVSN TDKTCPEGEDKDTRSGSGLCNIELSHSAEYQFSY
GSDAHTAPAYKVIDPNKRRLTAKFSTNTADLLQRHLQQE SNNADTIGSFSGTEIRLSKED
NTDAVFGNLAAPAADTSPVPSTAMAAGAVVAAAAALI

>comp11670_c0_seq4; 146 1 832 LEN=970; minus strand; translated
XPRKNEAKTHYLLSCYCGTTSTVKTDEEFCEGESTDDAKFNGCLADLNHRFEYRFGYGGN
NDAPVYKVISPPKFQMMGCATLTDSYPVPIDVYVASETSIGDEQNAQECNNRCHAENYSH
FLLSCP YFDDAGPSYYTQCYCRNTVSN TDKTCPEGEDKDTRSGSGLCNIELSHSAEYQFSY
GSDAHTAPAYKVIDPNKRRLTAKFSTNTADLLQRHLQQE SNNADTIGSFSGTEIRLSKED
NTDAVFGNLAAPAADTSPVPSTAMAAGAVVAAAAALI

>comp11671_c0_seq1; 249 1 862 LEN=1438; translated
XDRRARNAQSRARAALRERIAIEEQKPNQERNEEEMQIFAQYESRRKRKNDRSRERAL
EKKEEIDRILAKPEKKRSKIEKQFLDNALS AKKRKNEGDRLRRLQRLKEMGLAAKGAAMKA
AAMARAARHGYPYPPPPYGYGGPPMSPMPMGYQHPHMQSPGGFGSPPPGMYPSPQHGG
RPGGPPGTPQGGMPYMPPREAYEQHPGNSPSQYPNPHGPGVVPGRVEQRRHADGMSMSISI
GGGAGGEGGPEGGGGDPNMADVSHLLMYDNAEGGDGPPGGAGGEGK

>comp11672_c0_seq1; 314 136 1083 LEN=2340; translated
MQKVGLALLFVVQKTSLVCGFASPQIVAERQHEAAFRHQHAFRLSSSGASSTSEIRSDY
SYDTLFD FADSEK GADAVSKFDRIDDAIMGGISTSSLRLKSCTEANGTDDSSYASWSGVC
RLDGGGFCGTRTLPFVDGKPLEVGADKEGLFLVVKLASDDEPERRVWKVTTTRNLNARSE
QLYQAEFQIQKKEGGKSDSGWETIRVPFSSFVQVRGPRVIENGPPLDPTGGLFQIGMSLS
KFQIASNTTELPNFRPGYFELQIREIGLYGTASSKAAQATT SNIQTTLTKKEAEQQRPAAL
KILLPLLKLFSEQR

>comp11672_c0_seq3; 331 136 1368 LEN=1991; translated
MQKVGLALLFVVQKTSLVCGFASPQIVAERQHEAAFRHQHAFRLSSSGASSTSEIRSDY
SYDTLFD FADSEK GADAVSKFDRIDDAIMGGISTSSLRLKSCTEANGTDDSSYASWSGVC
RLDGGGFCGTRTLPFVDGKPLEVGADKEGLFLVVKLASDDEPERRVWKVTTTRNLNARSE
QLYQAEFQIQKKEGGKSDSGWETIRVPFSSFVQVRGPRVIENGPPLDPTGGLFQIGMSLS
KFQIASNTTELPNFRPGYFELQIREIGLYGTASSKAAQATT SNIQTTLTKKEAEQQRPAAL
KILLPLLKLFSEQRNRQKSATRLLKARGLNQLIEIAVFGIRRKATSKGMVLALADFFMRL

SSTTVRLSLFWTLKLALFYPLVTRTKIARKLAAVFSKKPTAQGSDALGSE
>comp11672_c0_seq4; 467 1054 3421 LEN=4236; minus strand; translated
MFSNALKVVLLFGIVFAGAQLPLSTIDVVFQSGEISASSANVMARCNDSTSTSVGIVFEC
SDESCPEPQDATVDADTDFTHTFQIKDLDSFSLYKYTVSCSNSTGTPGTGSFKTAPANDQE
VPIKFWAADLAGQGYGRNPDFEVTMVDGTTVKGQYVVFDTMEGLEPDFALFQGDMIYAD
DSIPPSKAYTNGTETLGVWVWVNNPSKPFVAVTLEDFRYNWKYNFGDDKMQSFLSKIPVVFVQ
WDDHEVTNTGGPVRWFLSVVNCDLAIAFXETLTELLELLLCFRITGEIMTGSSLYEEGLEV
DTLYENSLKAFYEYNPILDGQSIYRSQKFGKHLEIFFPDYRSFRDPNPDNTNEDIAGMMG
PEQTEWLKNSLKASTATWKVVISSHDPFGIVTGSSEGFDSYGNSDPKILGRELEFKELLSF
IEKEGITGIVSLTSDVHFTAHVNLHPDRAEGNFTNFRPMDEFVIGPIHAGSFGPNYMDTS
FGAEYQYGGCSVKDCCERYDDLTVISPNIRNFVPHFLVDAIVRDGPSYGLRKVVKPP
PEVHELQSFYGAEVSEDSSELSVQLVNIDGSIMFSKTLKAGETVQGDKDCQTICKIKAND
LYKVGGRMKSHVEPNHSLSCCVSSPFFSSSFLAGSVSQPNMFVXNDDFTILCDLFTEMAD
PSLRVEDMESFTLFAPTNAAFDGMDFLKAIPAGTIVSYHATSPGSIVRAKDLKCTGL
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PNFVDNVF

>comp11673_c0_seq1; 733 1 3170 LEN=3281; translated
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AVKVTEVQGDSTDGETNTILKPSHASYSTGGSSIFVVAPGGDYDTPKYQHIGAGGTEGNG
DSCVTIGTGTSAAPVVGVALMLEANPGLTWRDVRYYIAKTSNPIDNDSNDYTFGLN
SAGVGYSDLTDLXLIDAAEAVAMAEDWKIKDVHVPPPELGTASSGPVNLQIVDDPTATAT
STIMVNPNLNSQTEDDALESVSVYKLLHYPNIGQLRITLTSPLGTTSLSPGGRSHHNQL
EDDEWLEFLTLRSWGEVVPYGEWKLSITDTKPGNGGVTFCNRPINVAPEFANLDLPLTCME
FKSSGFCSNGSMNDDLNVNEQQELYQKLLDEGSGDGVVSAKESCCCEGGGKIFGDDEFFTG
QLKEWKLILGDGTPITGTNR IANYDPFLPEVTSFEFMRCRGETVYGHKLDCCNGLIEDICD
LRVNEVLFATLHNVLNRFDSGNVYVNLKELEIERALEAGYRAFELDVCNCAGDFYFCYGN
CNEAPRRDVVNTMAHFKEFLDLNPTEVVVFFFQLQSNVGREVNLEFYFDLMQIRGLTNM
IYTHDPSSTWPTLRQLTDRNYDKVRLIYHFNPLCLYVQYNGICSQYPSKILSATAVLV
TSLFLAYQMFHKNPNCNEDPGACPNQLLYKYDYVSDNTDREFRLPSEIEDRESSCAL
QRPDNYNENTLVGLSNYVSPANFKLYGKVNARHAEQLNQYAIKDYVDTCSDIQGTDIN
FVYNDWWGIGELIRLTQDHNSARALGDWYIPPTPAPTYNDEITEAPTFFPTFLPTFDVTM
FQPTISPQPTNAPSDRPTQTIDPCSVFDGNCKGCKKNNEECLWCVSSNTCYDRGVFENIF
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>comp11673_c0_seq2; 739 1 3040 LEN=3151; translated
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DSCVTIGTGTSAAPVVGVALMLEANPGLTWRDVRYYIAKTSNPIDNDSNDYTFGLN
SAGVGYSDLTDLXLIDAAEAVAMAEDWKIKDVHVPPPELGTASSGPVNLQIVDDPTATAT
STIMVNPNLNSQTEDDALESVSVYKLLHYPNIGQLRITLTSPLGTTSLSPGGRSHHNQL
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FKSSGFCSNGSMNDDLNVNEQQELYQKLLDEGSGDGVVSAKESCCCEGGGKIFGDDEFFTG
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LRVNEVLFATLHNVLNRFDSGNVYVNLKELEIERALEAGYRAFELDVCNCAGDFYFCYGN
CNEAPRRDVVNTMAHFKEFLDLNPTEVVVFFFQLQSNVGREVNLEFYFDLMQIRGLTNM
IYTHDPSSTWPTLRQLTDRNYDKRIIMFHKNPNCNEDPGACPNQLLYKYDYVSDNTDR
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KDYVDTCSDIQGTDINFWYNDWWGIGELIRLTQDHNSARALGDWYIPPTPAPTYNDEIT
EAPTFFPTFLPTFDVTMFQPTISPQPTNAPSDRPTQTIDPCSVFDGNCKGCKKNNEECLW
CVSSNTCYDRGVFENIFDLDDDEVIPCAGEDILDSFDTTCKAPSRDQSSVYDDDFEISDSS
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>comp11674_c0_seq1; 354 1 846 LEN=1204; minus strand; translated
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YSRWREIEEFIAQDDSFQVVEEQDRSAPRELFEIFVDNWDSIYRLERSFLLQLLRPPGKP
DIVISAGIGFDLFFKILIEEAAYSSEIQDETSRIINRKDYVSSAQVLYNELTAQKSRDLR
QGSSRRGSTNDDSEDEGEIEEIGEITDNNEQSGDNDNKPE

>comp11674_c0_seq2; 308 1 739 LEN=1097; minus strand; translated

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HELTDSDRRLYFADFI AELKKA EDEKRRRIQDERRRAEKAQRDKYRELLRELAVQGKILP
YSRWREIEEFIAQDDSFQQVEEQDRSAPRELFEIFVDNWDSIYRLERSFLLQLLRPPGKP
DIVISAGIGFDFSKKSAQKSRDLRQGSRRGSTNDDSSSEDEGEIEEAGEITDNNEQSGDN
DNKPE

>comp11674_c0_seq3; 324 1 814 LEN=1172; minus strand; translated
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IAQDDSFQQVEEQDRSAPRELFEIFVDNWDSIYRLERSFLLQLLRPPGKPDIVISAGIGF
DLFKKILIEEAAYSSEIQDETSRIINRKDYVSSAQVLYNELTAQKSRDLRQGSRRGSTN
DDSSSEDEGEIEEAGEITDNNEQSGDNDNKPE

>comp11674_c0_seq4; 338 1 836 LEN=1194; minus strand; translated
XWDSFENILSMGERRQALAEYQTKRTNELRNEQRQERIRANKAFGELLADILPSVPGFSA
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RIQDERRRAEKAQRDKYRELLRELAVQGKILPYSRWREIEEFIAQDDSFQQVEEQDRSA
PRELFEIFVDNWDSIYRLERSFLLQLLRPPGKPDIVISAGIGFDFSKKSAQKSRDLRQGS
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>comp11674_c0_seq5; 384 1 943 LEN=1301; minus strand; translated
XWDSFENILSMGERRQALAEYQTKRTNELRNEQRQERIRANKAFGELLADILPSVPGFSA
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RIQDERRRAEKAQRDKYRELLRELAVQGKILPYSRWREIEEFIAQDDSFQQVEEQDRSA
PRELFEIFVDNWDSIYRLERSFLLQLLRPPGKPDIVISAGIGFDFSKKILIEEAAYSSEI
QDETSRIINRKDYVSSAQVLYNELTAQKSRDLRQGSRRGSTNDDSSSEDEGEIEEAGEIT
DNNEQSGDNDNKPE

>comp11674_c0_seq6; 294 1 717 LEN=1075; minus strand; translated
DFKKRDERNKRNRKREIQKSFVSVFLQEKEGKGTLSYNSTWESFLPTLFEEEEKLDSEFVTS
HELTDSDRRLYFADFIAYSRWREIEEFIAQDDSFQQVEEQDRSAPRELFEIFVDNWDSIY
RLERSFLLQLLRPPGKPDIVISAGIGFDFSKKILIEEAAYSSEIQDETSRIINRKDYVSS
AQVLYNELTAQKSRDLRQGSRRGSTNDDSSSEDEGEIEEAGEITDNNEQSGDNDNKPE

>comp11674_c0_seq7; 248 1 610 LEN=968; minus strand; translated
DFKKRDERNKRNRKREIQKSFVSVFLQEKEGKGTLSYNSTWESFLPTLFEEEEKLDSEFVTS
HELTDSDRRLYFADFIAYSRWREIEEFIAQDDSFQQVEEQDRSAPRELFEIFVDNWDSIY
RLERSFLLQLLRPPGKPDIVISAGIGFDFSKKSAQKSRDLRQGSRRGSTNDDSSSEDEGE
IEEAGEITDNNEQSGDNDNKPE

>comp11674_c0_seq8; 278 1 707 LEN=1065; minus strand; translated
XWDSFENILSMGERRQALAEYQTKRTNELRNEQRQERIRANKAFGELLADILPSVPGFSA
RTSRFTDIKDALAKDDRFFAIEDDSTRESLFFDFCDDSDRRLYFADFIAYSRWREIEEF
IAQDDSFQQVEEQDRSAPRELFEIFVDNWDSIYRLERSFLLQLLRPPGKPDIVISAGIGF
DFSKKSAQKSRDLRQGSRRGSTNDDSSSEDEGEIEEAGEITDNNEQSGDNDNKPE

>comp11675_c0_seq1; 253 1 1489 LEN=1549; translated
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PLVSAYRPGGSNLPDGSNANANGNARINARTSANPRAMRGAWRSRGSSHRDLVDQLVKR
GIIETDSVRWAMAADRGNARGSGSEPSGAPDPYADRPLPIGLGQTI SAPMHAYAMEE
LVPALAAARQQQQGRNRRGLRVLDVGTGSGYLTA CLGRWLSQPPQESAGGKSKNNSSEN
SESSNSSSENENEASLPPGRVFGIDVRRSLVEAAERNLRRADGDL DTRAVTLAVGDGWE
GLPEEAPFD AIHVGAAAESLPLALAAQLAVGGVLLVVP IGPEGEAQVLC IRRVGGT PFGQ
AEVANGRLPEALFCGDDFEAXEAAGGEV RPAGQEKGGFPPLAGHGSSWTLEQRQRNDRDL
VFRSCRIDKTEHAITI

>comp11676_c0_seq1; 488 117 1460 LEN=1758; translated
MPSENDNPANKTGVQLGFVSEFDDDDHRMMAGHNLPLWQDWDGGQIGGKPSWLNPKDIPK
HHLVCKCEDPLVFCQLYCPCDDINPNAFHRSFYVFACPNIECAKETTGTIRVIRTQLP
AINPYLPEEDDDECWAMHIPKAWDVNLCKVCGQRGNGKCPVQGEYFCGRHHQKEYKYYAF
DVRKDTSTEGSDSCFMPSVLTSSELVVEEPP IGNDDKSDAKARNTMFKAGNIEDNDSDE
EFDRNLEQGDLNDMTGAGPETVTKDVTVMNFFDRINKITNVNTQCLRYLRWPDEERSRET
ASPLWIRSDYTPNEENISPECKGADRRFEFQLMPQMLHYLLKDHQRKNKEKSQNLISKK
DTEAVRAASNILEQAPPEQVPPDLATTTEKAMEAARAKIMEESNKVPSWGCVAVYTCTAS
CDVMDATEDDELGAYIEEFTWKQPSLD

>comp11677_c0_seq1; 1125 182 2079 LEN=2079; translated
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IDKSCSSSYTDASYDDAVSSNLPPSDFDMGYSYRHSRDDDAIDPKDIELECRKLI AVVHP
GLEDESETMLHGCDLQNLNLYNLKHQYYHILRHNTPNSTNVEMVDYDYDDDDHEHEFTDES
ELSEMDDVANRPVQRESPIYNDTSLPKDAASANPKTVKVEKWLERNKDDPEDYEYACRL
LCHAMYGEDDPEHDI ESMLSRSSHVDLYRYLKQYWYLAHTNQLSTTRNGDNDNDIASKQ
DGMPADDGFVKKSKRQRIDSNEGNSTNNKDLDTSSDNTGKQPTKTRVHALASLYAARSKE
HAEQDQRLVSEGGGGGRAKEKEKGLVHNKSSCTVENNDESDNKNAETNVESEGPSLQPS
EQQQENLSLEDENSHLSSHEEVLLRQDGTSAQSQLMDTNDGSVSHISSDNHRSSQIRGEE
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DKPPKNELEDLEEFESREQQQGDGMMHIEEDDX

>comp11678_c0_seq1; 351 33 1319 LEN=1863; translated
MQMFNLWTSTAQFEAKLEASERKLEISKRYTTLSADSLELTTFDYIPRSVAVPCLKPAE
TSEDEKLIHCVRATSKESGNESTALPLVNLHGYNAGAYFYRNL SGLSSYFQNIYAVDM
LGWGLSSRPSFDEVKANETVQSAEDFFVESLEAWRSMNEIDQMILSGHSFGGYVAVAYAE
RYPERVDRILLSPGLVPDEKDPNIQRKMDWMQSSLRGKFFVGVFQTMFEWTTTPGAVIRT
FTEHRGTMARSYVEKRLPEIFDDDESEALSDFYLSAVLPPSGEYFLRSILNSSFLAKE
PLLFRVFNKVKSVNFLYGTTDWMDISGGMYTQALSHRLSKI QHKSPMSSAVFTTPDVKV
YLVFNAGHLLILQNPVFNACMIRIAGGNIPNCEMPTLMDLNETEELNELWLEHTRKIRM
KRTNSSSP

>comp11679_c0_seq1; 146 64 405 LEN=1372; translated
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VWSTGIKNPPTVRVRLSRKRTEDADENLYTLAQLVEVSSFKGLQ TENIIE

>comp11679_c0_seq2; 146 64 405 LEN=1046; translated
MVSAPKQDLVTRDYTIHLSKKTTHKAQHRRAPRAIKAIRQFAQKAMGTQDVRI DAGLNKY
VWSTGIKNPPTVRVRLSRKRTEDADENLYTLAQLVEVSSFKGLQ TENIIE

>comp11680_c0_seq1; 1095 321 3230 LEN=4265; translated
MASTMGSTMESTMGSTMESTMASTMTSTTTPTTSHRAIDRRNDIPTSTKKTMYIKQ
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KPNVPSTVDLQRRRSATT SRLRDRRPSKKSASSATSKDRHKTSSNSSSSSEDNILLED
LKKGDNDGDASISLISMTEMAADLCQMKNCFFENIGPDISAQTTKSKTTTNDKNRKMK
SSSSGNASNKNSNSDSNIVFDMVNALDFNNFQLRTSSKNTANKSWL FNKRSKAKSWHYN
SGSNSSYTSPPPASTPETRSLNSGSFLPTPPRNRSRTRGTVRVDSAMEDDQSSIETSSIS
EITPTGCAGFERGMGVSPRSRSPNYRPPSKEHRQPEELSLGQLFLSGMLSQC FPHGPVAG
TEPQVTSTHHHNTLNNLNFHSTANAEAILKDGKTNGNSSGLLHQSNPVANNKSNKNT
EAINNKNNGGAYQKNLEEEACSYIGNNCTDSYHQAIDVSI AKPNNINPPVFADNTERYNQ
LVVGYVEDDEAKKQQPHRKYSRWF RSKREVQKRLSNTKIVVPPQQPSPNTRKSGDHPAS
IAARRNMKAKSKDQQORAKMDENHHNNVEVIWKKS SFREHQMKNKAQ LLLCSNPHKAK
MEEACPEKDSGAIGRLEPSSLASQRFALKPWF RPAGPRGKSKERKCS EKROQDSKETALQ
LKSNSKQLPSVLT MVVCDTNRANHHKENENHAKHRRDLLHCTSSNKRSDTNQKQQEQ LQF
EYDDEEDNGDGDYRVL SIVGHHHQNDLRPTT PFFDDES DSTYGF TTTTSSSKHEAPV
ESPLSVGTNSGNRIRAVETDVENDADDEDNSERDDDSRSSTDA AIDVPNWDGNDAVVYNV
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PRLRRLV

>comp11681_c0_seq1; 440 1175 2777 LEN=2896; translated
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AGNGPRYCP SLYKKVQRF PDRNSHNC FLEPEGLNTDIVYPNGMSGPYPEEVQLKILRS MK
GLENVEIIRPGYDVEYDFVNPISLSHTLETERITGLYLAGQICGTTGYEEAAAQGVVAGA
NAGRVASATSAGLSTPKPFIIGRDEGYIGVLIDDLVTRGTSEPYRMFTSRAEYRISLRAD
NADLR LTKGKDFLGRVDEERISALEARGYLIDDRVQKLR SFDLKVTEWAERGGTELMGG
SRMGKKTGNKSAEEV LQMPHVTLRNVEDIMIAVDRESRKNVSDNDEVTE SFELTCS PA
SVYDSVEAIVKYRSYVDRQH QDMESWRKAQGMRI PPDIVYEHLDFP SFSKEELEKLAEAR
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>comp11681_c0_seq2; 612 268 2485 LEN=2604; translated
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GPRAQMDRDLYKASMQQTLKEYPNLDLIEASVEDLLIEPSNLIHINSNPKQIRGVLTE
QNGVKGELTSNAVVI TTGTFLRGVLMGHDRYSGRHLRDSEKVEPPSIGLAKTLARYEF
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ATNEETHKLV MKYESTLPIYDGM DGAGNGPRYCP SLYKKVQRF PDRNSHNC FLEPEGLNT

DIVYPNGMSGPYPEEVQLKILRSMKGLENVEIIRPGYDVEYDFVNPISLSHTLETERITGLYLAGQICGTTGYEEAAAQGVVAGANAGRVASATSAGLSTPKPFIIGRDEGYIGVLIDDLVTRGTSEPYRMFTSRAEYRISLRADNADLRLTKKGKDFGLVRDEERISALEARGYLIDDRVQKLRSFDLKVTEWAERGGTELMGGSRMGKKTGNKKSAAEVLQMPHVTLRNVEDIMIAVDRESRKKNVSDNDEVTESEFELTCSPASVYDSVEAIVKYRSYVDRQHQMESWRKAQGMRIIPDIVYEHDLFPSPFSKEELEKLAEARPDTFAEASKISGVTPQSLVYLSIMSPEGTANEIGEKKQQQEKSEALNLWKSFK

>comp11681_c0_seq3; 498 268 2346 LEN=2412; translated
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GPRYVQKMETCPDDXILHLFKWNLKCRITYIIASSLKLISPHFYDKSDLMQHLQAQMDR
DLYKASMQOTLKEYPNLDLIEASVEDLLIEEPSNLIHINSNSKQPQIRGVLTEQNGVKGEL
TNAVVITTTGTFLRGVLMGLHGDYSGGRHLRDSEKVEPPSIGLAKTLARYEFELGRLKTGT
TPARIDGKTIDWDILLPQPSEIPATPFSHLLQFNDEQPPLVDQKVVTCRQTATNEETHK
LVMKYESTLPIYDGMGAGNGPRYCPSPYKQVQRFDPDRNSHNCFLPEPEGLNTDIVYPNGM
SGPYPEEVQLKILRSMKGLENVEIIRPGYDVEYDFVNPISLSHTLETERITGLYLAGQIC
GTTGYEEAAAQGVVAGANAGRVASATSAGLSTPKPFIIGRDEGYIGVLIDDLVTRGTSE
YRMFTSRAEYRISLRADNADLRLTKKGKDFGLVRDEERISALEARGYLIDDRVQKLRSFD
LKVTEWAERGGTELMGGSRMGKKTGNKKSAAEVLQMPHVTLRNVEDIMIAVDRESRKKNV
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>comp11681_c0_seq4; 537 257 2610 LEN=2729; translated
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LVTQRLDTVGELSCNPSIGGIGKGLVREIDALDGLIGKVADEAGIHYRVLNRRKGPVAVR
GPRAQMDRDLYKASMQOTLKEYPNLDLIEASVEDLLIEEPSNLIHINSNSKQPQIRGVLTE
QNGVKGELTNAVVITTTGTFLRGGMHGNLNEMYHGKXSSALPFCLESPLVFTIFFTSPF
FKIITYALSIDAGHGDYSGGRHLRDSEKVEPPSIGLAKTLARYEFELGRLKTGTTPARIDG
KTIDWDILLPQPSEIPATPFSHLLQFNDEQPPLVDQKVVTCRQTATNEETHKLVMMKYES
TLPYDGMGAGNGPRYCPSPYKQVQRFDPDRNSHNCFLPEPEGLNTDIVYPNGMSGPYPEE
VQLKILRSMKGLENVEIIRPGYDVEYDFVNPISLSHTLETERITGLYLAGQICGTTGYEE
AAAQGVVAGANAGRVASATSAGLSTPKPFIIGRDEGYIGVLIDDLVTRGTSEPYRMFTSR
AEYRISLRADNADLRLTKKGKDFGLVRDEERISALEARGYLIDDRVQKLRSFDLKVTEWA
ERGGTELMGGSRMGKKTGNKKSAAEVLQMPHVTLRNVEDIMIAVDRESRKKNVSDNDEVTE
SEFELTCSPASVYDSVEAIVKYRSYVDRQHQMESWRKAQGMRIIPDIVYEHDLFPSPFSK
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SKF

>comp11681_c0_seq5; 486 268 2326 LEN=2392; translated
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GPRAQMDRDLYKASMQOTLKEYPNLDLIEASVEDLLIEEPSNLIHINSNSKQPQIRGVLTE
QNGVKGELTNAVVITTTGTFLRGGMHGNLNEMYHGKXSSALPFCLESPLVFTIFFTSPF
FKIITYALSIDAGHGDYSGGRHLRDSEKVEPPSIGLAKTLARYEFELGRLKTGTTPARIDG
KTIDWDILLPQPSEIPATPFSHLLQFNDEQPPLVDQKVVTCRQTATNEETHKLVMMKYES
TLPYDGMGAGNGPRYCPSPYKQVQRFDPDRNSHNCFLPEPEGLNTDIVYPNGMSGPYPEE
VQLKILRSMKGLENVEIIRPGYDVEYDFVNPISLSHTLETERITGLYLAGQICGTTGYEE
AAAQGVVAGANAGRVASATSAGLSTPKPFIIGRDEGYIGVLIDDLVTRGTSEPYRMFTSR
AEYRISLRADNADLRLTKKGKDFGLVRDEERISALEARGYLIDDRVQKLRSFDLKVTEWA
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>comp11681_c0_seq6; 389 1164 2471 LEN=2537; translated
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GLENVEIIRPGYDVEYDFVNPISLSHTLETERITGLYLAGQICGTTGYEEAAAQGVVAGA
NAGRVASATSAGLSTPKPFIIGRDEGYIGVLIDDLVTRGTSEPYRMFTSRAEYRISLRAD
NADLRLTKKGKDFGLVRDEERISALEARGYLIDDRVQKLRSFDLKVTEWAERGGTELMGG
SRMGKKTGNKKSAAEVLQMPHVTLRNVEDIMIAVDRESRKKNVSDNDEVTESEFELTCSPA
SVYDSVEAIVKYRST

>comp11681_c0_seq7; 440 1164 2766 LEN=2885; translated
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AGNGPRYCPSLYKKVQRFDPDRNSHNCFLPEPEGLNTDIVYPNGMSGPYPEEVQLKILRSMK
GLENVEIIRPGYDVEYDFVNPISLSHTLETERITGLYLAGQICGTTGYEEAAAQGVVAGA
NAGRVASATSAGLSTPKPFIIGRDEGYIGVLIDDLVTRGTSEPYRMFTSRAEYRISLRAD
NADLRLTKKGGKDFGLVRDEERISALEARGYLIDDRVQKLRSFDLKVTEWAERGGTELMGG
SRMGKKTGNKKSAAEVLQMPHVTLRNVEDIMIADVRESRKNVSDNDEVTESEFELTCSPA
SVYDSVEAIVKYRSYVDRQHQDMESWRKAQGMRIIPDIVYEHDLFSPFSKEELEKLAEAR
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>comp11681_c0_seq8; 549 257 2630 LEN=2749; translated
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TNAVVITTTGTFLRGVLMGLGHDYSGGRHLRDSEKVEPPSIGLAKTLARYEFELGRLKTG
TPARIDGKTIDWDILLPQPSEIPATPFSHLLQFNDEQPPLVDQGVVTCRQTATNEETHK
LVMKYESTLPIYDGMGAGNGPRYCPSLYKKVQRFDPDRNSHNCFLPEPEGLNTDIVYPNGM
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>comp11681_c0_seq10; 498 257 2335 LEN=2401; translated
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>comp11681_c0_seq13; 549 268 2641 LEN=2760; translated
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>comp11681_c0_seq14; 537 268 2621 LEN=2740; translated
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>comp11681_c0_seq15; 486 257 2315 LEN=2381; translated
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>comp11681_c0_seq16; 561 257 2179 LEN=2245; translated
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>comp11682_c0_seq1; 816 149 1369 LEN=1426; translated
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>comp11683_c0_seq1; 393 164 820 LEN=898; translated
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>comp11683_c1_seq1; 284 1 781 LEN=850; translated
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>comp11684_c0_seq1; 595 162 1784 LEN=2176; translated
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>comp11684_c0_seq2; 595 150 1772 LEN=2164; translated
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>comp11684_c0_seq3; 378 162 1154 LEN=2275; translated
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>comp11684_c0_seq4; 378 150 1142 LEN=2263; translated
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>comp11685_c0_seq1; 260 1 609 LEN=1161; translated
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>comp11685_c0_seq2; 331 54 1121 LEN=1121; translated
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EESEG VVGDCVLT LRSSPD SGASQRLLELT SKQNGVDQ TDAENVI AKLCRTTNLACQEL
LSQEDRYRRQSPLNKGDRINMSTKPSSTNTFVSLEYSRKKWKKPFCFRINQIHYKKLKDR
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>comp11685_c0_seq3; 367 18 686 LEN=1238; translated
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>comp11686_c0_seq1; 670 1 2721 LEN=2815; translated
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WIALDH

>comp11687_c0_seq1; 264 61 1693 LEN=2130; translated
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VIRR

>comp11687_c0_seq2; 250 83 1665 LEN=2256; translated
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FPAALSSSSDFWRVAVIGSMAASLGEADVAVFNTAYRIMWIALIFVVS IAGAAA INMSIR
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>comp11687_c0_seq3; 352 61 1524 LEN=1961; translated
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PIVTTTSVTYVQLLFMVIVFVYIQKLHEPCWPGFKASEITWDRIKTFVELYFPAALSSSSD
FWRVAVIGSMAASLGEADVAVFNTAYRIMWIALIFVVS IAGAAA INMSIRLGKRDPYGAR
QAGHVSIGMVVIMLCILGFFILLKNRWFGLIFTNDEEFLSLFQQCSVPFTISLIFMNL SVA
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>comp11687_c0_seq4; 276 61 1753 LEN=2017; translated

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HVSIGMVVIMLCILGFFILLKNRWFGLIFTNDEEFLSLFQQCSVPFTISLIFMNLVAIE
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>comp11687_c0_seq5; 364 61 1584 LEN=1848; translated
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>comp11687_c0_seq6; 228 61 1522 LEN=2113; translated
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>comp11687_c0_seq7; 228 61 1522 LEN=2226; translated
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RIPYSMG

>comp11687_c0_seq8; 286 883 1836 LEN=2273; translated
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>comp11687_c0_seq9; 288 510 1496 LEN=2200; translated
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>comp11687_c0_seq10; 336 510 1727 LEN=1991; translated
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QQCSVPFTISLIFMNL SVAIERIPYSMGR TKEVFWMGFVASWGGQVPAVFILTTYWRNDL
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>comp11687_c0_seq11; 324 510 1667 LEN=2104; translated
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>comp11687_c0_seq12; 250 883 1665 LEN=2369; translated
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ISLIFMNL SVAIERIPYSM
>comp11687_c0_seq14; 288 510 1496 LEN=2087; translated
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>comp11687_c0_seq15; 316 61 1353 LEN=1944; translated
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PIVTT SVTYVQLLFMVIVFVYIQKLHEPCWPGFKASEITWDR IKTFVELYFPAALSSSSD
FWRVAVIGSMAASLGEADVAVFNTAYRIMWIALIFVVS IAGAAA INMSIRLGKRDPYGAR
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>comp11687_c0_seq16; 316 61 1353 LEN=2057; translated
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PIVTT SVTYVQLLFMVIVFVYIQKLHEPCWPGFKASEITWDR IKTFVELYFPAALSSSSD
FWRVAVIGSMAASLGEADVAVFNTAYRIMWIALIFVVS IAGAAA INMSIRLGKRDPYGAR
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>comp11687_c0_seq17; 298 883 1896 LEN=2160; translated
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>comp11688_c0_seq1; 745 385 2390 LEN=2390; translated
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VPTTRERGEAHFFSFLKERLPELSARINSSEFKGDEQNGMELGGRGAETQQIYGM PLEPM
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NKQQQQQQX

>comp11689_c0_seq1; 855 131 3194 LEN=3316; translated
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KDIVGEDEKNAKQRDANGGYDHASNRSAQRSRVKQPSKSRQGI PNDDRAVI SDKNSQEEV
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DVDPNLQEDLKDWTTPSIPPETALAQVKLAVDAVKT SWRNKAKAKSKSGKAKKANADP
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SEAXTAPAATENQAGPVAQAKKSATAPGTAPPTKNGNGPRHQEHGVGARPLRERKPETGG
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S

>comp11689_c0_seq2; 565 82 1406 LEN=1406; translated
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>comp11690_c0_seq1; 413 748 1752 LEN=1893; translated
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LYSIIITALGFLTFGSVSNGLILNNYSTQDLLMSFSRVAVGLSVTGSYPLLF DGT RDGLLD
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>comp11690_c0_seq2; 659 121 1557 LEN=1698; translated
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IAVMGVISAYTFALIGRVCQKTN TMSYADAWDET VGKSTSWIIAMSCFIDCWFGNLSYS
MILADTISNLLASIGIAATRTQSL LGVTGVVLLPLCLMKNLASLAPFSLIGIIGMLYTT
LAMAIRYFSGAYAPGGKFVATALA AFAFGTAGAAAALS AKTLILTSMLSNA YIAHFNAP
KYLAELKNNTMGRFTQVIAWSFGSSVALYSIIITALGFLTFGSVSNGLILNNYSTQD
LLMSFSRVAVGLSVTGSYPLLF DGT RDGLLDL FKVPEKRTNSL FNKVT LGVLAGT
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>comp11691_c0_seq1; 911 138 1580 LEN=1837; translated
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PPPLNDVLP PPSMPPDL MNMGYSPSAPSAPMFEDLHTQQQELHPPPLPPPMEAPPPPE
LDIDASILNALEPAEREAFL EQRKILEQIEKEKANNEASGAAARAMAFDQRSTSAVANV
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GEQQSSEESQSWYDWLTG SQAPAPAPATRSSPSRASSSGSRTLVSQAQTGEEGLTYASGF
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>comp11691_c0_seq2; 815 209 1408 LEN=1665; translated
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QRKILEQIEKEKANNEASGAAARAMAFDQRSTSAVANVAASYERGGRPPAGS GEELDA
ETAQMIADAELA EKLQKEEYSKSQERRNRVRSNGNQTQQQRGEQQSSEESQSWYDWLTG
SQA

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>comp11692_c0_seq1; 993 177 3871 LEN=3871; translated
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>comp11692_c0_seq2; 1316 177 4875 LEN=4875; translated
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>comp11693_c0_seq1; 264 51 804 LEN=850; translated
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>comp11693_c0_seq2; 327 306 1197 LEN=1243; translated
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>comp11693_c0_seq3; 315 306 1026 LEN=1072; translated
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>comp11693_c0_seq4; 315 237 957 LEN=1003; translated
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>comp11693_c0_seq5; 222 237 1109 LEN=1155; translated
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>comp11693_c0_seq6; 234 237 1280 LEN=1326; translated
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>comp11693_c0_seq7; 222 306 1178 LEN=1224; translated
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>comp11693_c0_seq8; 327 237 1128 LEN=1174; translated
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>comp11693_c0_seq9; 234 306 1349 LEN=1395; translated
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SIQAFSSFRCPSPFATPQEFVCPGKLRVYANNSNYKDDSIIRREVCLGTAVVEELKRI
VRTSAINSVDDDEEWEEPTAKGGRRWELEIKIGNEHICFGCAEITSLADIRDSSDPRGLTI
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>comp11694_c0_seq1; 142 1 1082 LEN=1209; translated
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GGCSLHEVFLAGDGDGDFGILAPLDPIERFHSVKGVRCREVELPLVGRVVVLEATA
DAQEELVDECLELEEEKTENKPTRIAEGDPYGAWLWPAAWAVSNYILSESTLRNNLPSLS
ILELGTGTGLVSI SIAMGGAKRVVATDYEPLALALTRYAADTINNSNKI IETELLDMCA
LEQKLPISLPEGNTSKIDIVVAADIMYEPKTGIAMAHRAVEALRQNCRVIIGDSPGRPGR
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>comp11695_c0_seq1; 410 108 1637 LEN=1776; translated
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TAYLGVRLSESDAAFYPAGDNSDRLLWVSRIFLYTGLSFGAATTLFAWLLGTCVRPTAP
RWRILSVLAACSAVFQIPIFLVFEVDNCFDVFQSKLIGAYLNVVSVVWIVMTIWW
QCLRAPRWDEELDAWRVNRNGNHRASSSCASSGGEAPAVQTVNNTANTNASEAASSPHHA
LEAPWAPPGCHSRAHRYGRGGDLGGCDDGANDEESQRPLGGGPRPLHESPHRRAEAST
ATSGTGRFRADTSGATSEAVHATKHSTEAQTRDDNASGSPRRRPPSPGFHVSCVYADG

TQQDAHFPVSVANCCGLMGVPTTEDEATNFKTFRDDFRVIEYTESADDNPPANQSESPDYLF
FRKLQTEEKAAIARRAERDRVPVEYVTSVGVGNRGGSHYHHHTPGGGIATDDVSEMTRGSG
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>comp11696_c0_seq1; 395 132 1544 LEN=1985; translated
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PNLRWAAFAGNPFLEDAKKKANHFADQNNNTALPVLDDPVLNDNSWPVLRGAGGVTRKV
PWKGQDVAVKTFSGALTSDGSPQDEKDISKLVVTSASSAGGAKEAALIDLLGETKVGAL
VMEFLEGYKALAGPPSMTTCSRVDVYSEDRALDGFPLWKIALDTLRVLAKLHRLGISHA
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>comp11697_c0_seq1; 1444 1 5406 LEN=5741; translated
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LVDSRSCNDLSYLQEESSDNFLTANGRVYNIDNPSLSITDIELLTSLTLOSTKIVSEMM
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SRGAEIFQMVGEIKPRGVRVTKAISDNTKRLVIRDFVGRGNSDFLLVKKRPGYELATLF
HDDKGLSQNDVVHVFSLATGHLYERFLKIMMLSVTKRTSAKVKFWLFFENFLSPTFKA
TSIAMAKRIGCEVEFVYKWPPEWLRGQSEKQRIIWGYKILFLDVLVPLNVKKIYVDADQ
VIRGDLKELWNMDLKGAPYGYTPMCSSNESTLGFQFQFNQGFWKNHLRGKPYHISALYVVD
LEKFRKDRVGDTLRAQYQALSADPGSLANLDQDLPNYVQFQVPIFSLPQEWLWCESWCSI
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Q

>comp11698_c0_seq2; 1510 1 4191 LEN=4728; translated
SNSNSNSNYGKDRNRETETEKPRLGMPMSPATPSVTSVAPATPEDESIPYKNVNTKGGD
SALSSWWSDFQFRLGKSQSSYAPIPMSTPPPSNAGMKTTSDAASKGSSDPKRPLLPFSG
LTVITDTRNNDDDEAEAEADDICDNIDDSRYTRSLHSMPLVEEVTEDEESPKHHTLPTLD
SESELESPPSQEGSHRSTYASNTTNNHNRGAKVSNRDGSSRNDEAAEAATWLELRPSP
SATAATMTPRRITNDGDSASYKADGSDSSSTNNRVHDHQLGIEIELLEGEPEAEADGMKDASTK
SPPEDETNALEEKCEKSTSKRNDVVPVSLWNSIRTRLGMINQPESSDQDMASNPVVVVGSKK
TIPPGDTHLEGNSEEIFEVLVLSPPSQKSTQKHSMPYENSSSNPVAKLPI SLHVE
TVSTTSSQNGSEHSGLHHLGSLVVDNYHQSRDCDASDEDLESGKRNGNSHGNNSNRRRRR
CGSGRGLRRDHLAILGVLVGVLFVAAFFVLHKITRVGRDGSMDTNTDDDFYYSYEAKD
NKNQDSTFGIAGDGSSFPGRITNVGFADRESTTEEERTQEWLNEAGLWFDVSDSDSSSV
SQPSSSTNDPPIVSEEGNANANDLDNESVGDWTFDELFAGENVDDNQNPIINMGDDA
LDSASDGLSSLSSNNSNVENANNQTMRVSLSPGAPVEMDSVFDDSIITSSPTLSPTL
SPQTYRTSSPSSEGQADAVIQDGSAYDYVGNQTTSSSLSPSEAPFASALLSTNTPTTSS
PTASMLSLTSLPTASPTSSPTAMPVMPPTASPTVPRTPPPIFPISVIEDMDAINDVLKRA
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TLFLTASHCSSFDWSFMTALEGVTDXVDMTNPENGLDKPIDALLPVVQEFEGQGLSRTD
VWMLSALVASELALPFENSDDLFPMHWIGRQTCELQFAKVAATGVAAPCGVDFFGSPTEC
SAKRGPHVDQPHGLIGTKSIQKLFEEFEGFDAQQATALMGAHSVGKMARENVEFRGAWDL
SISLDSGYWLNLVGDPDYFIETVDNQDLNIPTRHQWRGILPSHDGSGGGEQRTVAML
NVDVSLVKNLPMMDASGSVGCAGPGFGLLKDCPPTNDEDKATPFLPFVKKYNSDARGFLT
DFRDVLNLLIDHGHNLKPRPNTLCPKDRVCTFRPRSEGASHFAVEDHTPPSPSPSRAP
PKPYQEPPDGQTKIWVDKMCYDSVGETLVVTYDHSVHEGWTDITIRLYAAEDVDENEPSF
VIDEDVVDSPLEESLSCGSSTCHTWTSTRGGFQMPTQNLAGRGSYAVVLFKTDQNDSTP
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>comp11698_c0_seq3; 1538 1 4032 LEN=4569; translated
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SALSSWWSDFQFRLGKSQSSYAPIPMSTPPPSNAGMKTTTSDAASKGSSDPKRPLLPFSG
LTVITDTRNNDDEAEAEADDICDNIDDSRYTRSLHSMPLVEEVTEDEESPKHHTLPTLD
SESELESPPSQEGSHRSTYSASNTTTNHNHRGAKVSNRDGSSRNDEAAEAAATWLELRPSP
SATATMTPRRNDGDSASYKADGSDSSTNNRVHDHQLGIEIELLEGEPEAEADGMKDASTK
SPPEDETNALEEKECSTSKRNDVAVVPSLWNSIRTRLGMNQPESSQDMASNPVVVVGSKK
TIPPGDTHLEGDNSEEIFEVLVLSPPSQKSTQKHSMPYENSSNSPVAKLPISLHVE
TVSTTSSQNGSEHSDGLHHLGSVVDNYHQSRDCDASDEDLESGKRNGNSHGNNSNRRRR
CGSGRGLRRDHLAILGVLVGVLFVAAFFVLHKITRVGRDGSMDTNTDDDFYYSYEAKD
NKNQDSTFGIAGDGSSFPGRNTNVGFADRESTTEEERTQEWLNEAGLWFDDVSDSDSSSV
SQPSSSTNDPIVSEEGNANANDLDNESVGDWTFDELFAGENVVDDNQNPIVMVGDDA
LDSASDGSLSSLSNNSNVENANNQTMRVSLSPSGAPVEMDSVFDDSIITSSPTLSPTL
SPQTYRTSSPSSEGQADAVIQDGSAYDYVGNQTTSSSLSPSEAPFASALLSTNTPTTSS
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RRQIELMIFDDDDLIGKFLRLVFDHCVGGCNGCVDMTNPENGLDKPIDALLPVVQEFEG
QGLSRTDVWMLSALVASELALPFENSDDLFPMHWIGRQTCELQFAKVAATGVAAPCGVDF
FGSPTECSAKRGPHVDQPHGLIGTKSIQKLFEEFEGFDAQQATALMGAHSVGKMARENVE
FRGAWDLSISLDSGYWLNLVGDPDYFIETVDNQDLNIPTRHQWRGILPSHDGSGGGE
QRTVAMLNVDVSLVKNLPMMDASGSVGCAGPGFGLLKDCPPTNDEDKATPFLPFVKKYNS
DARGFLTDFRDVLNLLIDHGHNLKPRPNTLCPKDRVCTFRPRSEGASHFAVEDHTPPSP
PSPSRAPPKPYQEPPDGQTKIWVDKMCYDSVGETLVVTYDHSVHEGWTDITIRLYAAEDVD
ENEPSFVIDEDVVDSPLEESLSCGSSTCHTWTSTRGGFQMPTQNLAGRGSYAVVLFKTD
QNDSTPLKPLAADSFRLEGCDL

>comp11699_c0_seq1; 351 102 1001 LEN=1139; translated
MIRGPGLRRHRKLTQTLRKRFPVLPFASRELSALPNPSPSGGNQNDNDGSSVLLYR
RDTARNALPRASFLASSANSVYWLWYVDFVPAVNASPIEALHANPIYGFGLGLSILIQ
TAFTLYPLSLVSKIEYKTSQPAAATSPSRKGSTPQMQRDILVWKHTLPLMSVSPVPLVI
PLGGITMDKASDDARAILEELGGDVGKFEHGLGLYRVPEKKAKGSESSLTINFPLLAEIR
SPSEVYDSEMMLQTLLSGKFKYRHGGGKKSRSSEDESHRQRGKNQRKYGHRKRNRAKGR

>comp11699_c0_seq2; 387 102 1031 LEN=1169; translated
MIRGPGLRRHRKLTQTLRKRFPVLPFASRELSALPNPSPSGGNQNDNDGSSVLLYR
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TAFTLYPLSLVSKIEYKTSQPAAIPDGGSGAAAATSPSRKGSTPQMQRDILVWKHTLPLM
LSVSPVPLVIPLGGITMDKASDDARAILEELGGDVGKFEHGLGLYRVPEKKAKGSESSLT
INFPLLAEIRSPSEVYDSEMMLQTLLSGKFKYRHGGGKKSRSSEDESHRQRGKNQRKYGH
RRKRNRAKGR

>comp11700_c0_seq1; 323 76 1112 LEN=1180; translated
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GVVDCNTSFVAVPFEEDSKNASVFYLDHNYLENMLAMFRKVNAKERVVGFYSTGPQIRQND
LRIHDIVKRFLPSKTTIPVFCIIDIRPDRQSLPTTAYKVVEEVSTRDQREVKLNFAHV
PTEMGAI EAEEVGVHELLRDINDPTVSTVASLIXGKISGLATLAEKLVCKDYLEACVRG
DQKTNPDIVANLQNILNLLPNLNTPEMVR SILIKTNDMQLAIYLSALIRSVIALHDLINN
RIRYGENGTIDIEEKEETEKEKSTTDDDDKDKSGSDSKEKTEEEK

>comp11701_c0_seq1; 242 198 1138 LEN=1366; translated
MDCCGKYSSTFAQLSNTVLECDYDKNVTNLYKAIENESWGSVKCFFETEKWSYMHFMKDI
HSPTEQARTWVTRSDPNGKVRWSQLPLHAAIIFQAPNDVIEKLIELYPLGVRCTDDQQML
PLHLAFRVGADDSVMNLLISTFPEAVVTPNQCGLPYAIINGKESRKDYNEAIQQIAYQVS
RNVVLSQEKMSTEKIEKLEDAVGVQTSVETLQKDNEILENQLSDAKNEINKLKDMCFMM
QKTLAFSNRPPVPIRTAGYHPRKTMVQNSESVCTDASLCPNTNDSLFQTNESTISSVNAQF
DPIPKTIKALKDE

>comp11702_c0_seq1; 205 226 936 LEN=1444; translated
MTIIPIASMSRSTSYMTVFAIVTCLVILFPQIIDAAYVVSVPKDEECFIIASPGAAGG
LLYGNFNDHLLDDSSISSEPLAVVVIDAKEEHVLFRRRRATEGSFRVNLKANQKVNLCQNG
LVTAGRGRKSPTARSHDGGKPRTVGFAYTVEATDENQHIHTQHDRNKRAAGELVRSMANLM
THHQYMRARENTHREVVEQFTFTQLMWWWVLESVVVVAIAGAQIMYFRNFLERRRYM
>comp11703_c0_seq1; 164 108 956 LEN=956; translated
MNSTDTKQAFIERLRRCPKLECNFWSRLNPSIRCGGEVSDKTYENGDFGRKGNSSLLFLA
AKRFENNLFDNSQSSEHITTELYDEDRLVPSFSDIETPLSSTSGIKQYTEPKYNIPSYND
VAVDETTNSGAEYNRIPNLRPIREKNCTEPEIDRNCHDDISADETRDYGDPAVDRIPNL
SPIHQNRYTEPKFDRPCHENTSPDETIDYGHYPAYHRIPNLSPIHKNEYKPKCDNHCEYQ
ISVGETRDYGDPKYDRIPNLDPHESNDSLSSSSTRTISTGGS
>comp11704_c0_seq1; 389 320 1102 LEN=1130; translated
MGMFSGNSTPAPEDVTPEYLLLESFGGSDDLGVNSIPEAMHALYEADAVCFDVDSTVINEE
GIDVLADFLGKGDEVAKLTAAMEGGMKFEDALKARLDLLEPSRKEILDCEAHPLELTP
GIQTLVETLHAKNVDVFLVSGGFRIMIEPLAEILSIPIENIVANTINFEYGTGKYAGFD
SNEPTSQDMGKPKALEQLKEKHSYEKMVMVGDGATDAQAKPPAKAFVGFVGGVVEREAVKN
QSDWFKDFSDMTKIVAMRQ
>comp11705_c0_seq1; 121 235 851 LEN=878; translated
MSADAESTTDHQGRQDVPVPPQVPGGPRRRDLPPPPGGPDPADPAVFRPHRRRWGFGPGR
KKGAAAPGRPADRHPPEDPPGNEVAHGAAGTGGGWLRFVSLRCGHNSALSMSALSMALA
LVRLAAARRGKAPRGQRPPPLGGNEAGRRPRCGAALCYAVQFNATERAPNRKRRTDRLATA
RAEQASLPPPTGCAVVLRMESINK
>comp11705_c0_seq2; 121 169 785 LEN=812; translated
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RAEQASLPPPTGCAVVLRMESINK
>comp11706_c0_seq1; 790 69 2387 LEN=2601; translated
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KSGDLAAVKEISKEYTNDSTFQREMDAFLHIKKAGGHPNICGMKEHFDEGPFYLVLDLV
QGGEMFDHLIKDGAYSEADAARLVREVGSAFLHGI GLVHSDLKPENLMLSSENASDAV
MKVVDFGCAEIIDKNSPYSPDGKDCFGNTPGYSPPEMIDGARASTHLEPSVDMFMSGVI
IYIMLTGIHPFDITGRSTDQQMNRRLRNMMPLRNSPLTAHLSSSAIDLIEKLIIDWDPK
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SEHMKNVYLPAGHEIFSEGDEGDTMYFINSGRVEITTKDGYRTTTGQGDFFGEGVLLHED
NKR SATIRCITPLHAIEIGRDYFEKYLNGFETEIALLERDRLRRQNRKAILSLQENLI
EDIIEEGDYVYEQWEEGDDIFLLEDGAVDINVNGHSVYTVREGELLGEYATIFGRPRNTS
ARCASDKCKLQVMHPKDFANMMR SNPVRDGLRDVVYRRELKKAIVFETHKSFPATEEEL
KEVFEAVDKDGSGEIDLAEIDDLRKMMDKFTFTDEDISNILSSVDLEGDGTIEW
>comp11706_c0_seq2; 749 69 2482 LEN=2696; translated
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KSGDLAAVKEISKEYTNDSTFQREMDAFLHIKKAGGHPNICGMKEHFDEGPFYLVLDLV
QGGEMFDHLIKDGAYSEADAARLVREVGSAFLHGI GLVHSDLKPENLYVNSSEMGSXP
YDFLVSSHTFYFLIGKHQILSMLSSENASDAVMKVDFGCAEIIDKNSPYSPDGKDCFG
NTPGYSPPEMIDGARASTHLEPSVDMFMSGVI IYIMLTGIHPFDITGRSTDQQMNRRLRN
MMPLRNSPLTAHLSSSAIDLIEKLIIDWDPKTRMTALEMLNHPVVKGETASKGKIENSD
KRLKGFYKSGIAAQVFQNMVLGSDNSEADDATRKMSLIQQSFQKIDSENNGYITTKDL
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NSGRVEITTKDGYRTTTGQGDFFGEGVLLHEDNKR SATIRCITPLHAIEIGRDYFEKYL
NGFETEIALLERDRLRRQNRKAILSLQENLIEDIIEEGDYVYEQWEEGDDIFLLEDGAV
DINVNGHSVYTVREGELLGEYATIFGRPRNTSARCASDKCKLQVMHPKDFANMMR SNPVR
RDGLRDVVYRRELKKAIVFETHKSFPATEEELKEVFEAVDKDGSGEIDLAEIDDLRKM
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>comp11707_c0_seq1; 236 149 831 LEN=1116; translated
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LIEKHVEGALQGTCSIVGSDGKQLCSYEIFILNEETGTIGSVVATGSVMMTLNNTKNVLI I

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>comp11707_c0_seq2; 240 149 840 LEN=1139; translated
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LGIEQSIGQNNQQRRTQEQDAMKFFSVYDEF GPKFGTMGD TAGLRGMVYDLKAKTNG
LIEKHVEGALQGTCSIVGSDGKQLCSYEIFILNEETGTIGSVVATGSVMMTLNNTKNVLI
EATGDDFVGYKXGDGDDDDLYCDWGADRDGPGPRVPSIGRDWHGQDNSWLT
>comp11709_c0_seq1; 227 1 1111 LEN=1203; translated
XDWTPKFHFCHLVAYDNHCSLDMNSAEAMMRLTASLLVTCLFLRLSSAFVAENGSHVNRE
RTRRTVPSSRRRKIAKPLSTGTTTQCWKGKYGRNTPKRTRIDTDDILSYERTLITDRGYSY
ILGSDESGRSGIAGPVVAATCCILTL SNNGEVIDP SCLPTVDLLPLPDRSSRSKNKLIQD
SKQLSPEDREQIYETIVNNPQVYAFSVAQRSNTEIDRTNNILTSSMEAFRESIEDLTRDK
LFPHIFSSQQNAGKSGNNDNEDVQIEIPDEWGNCGCYGIVDGKKAPKLSTIPSPFCRPMV
KADQQVYTVALASIIAKVTLDRMTEEWKSYPSYGFQDNKGYATKDHIEAIEHEHGPCPLH
RMTFKSLKGR
>comp11710_c0_seq1; 763 86 1363 LEN=1481; translated
MDRLIALSLLSTAGAFAPAGVHQQQHAQLSSSSLLVASTPVVETPPSPLTEWGSKISNIR
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MKEQDGFQQFYNAIEMKICQDPLQSV SARPTADGKKDSPVYEAVNKE SRKNFFIGMHNEF
VGTRAPRAAAFVCFKAAEEGGEF LIADGRRIFRDLSDLVDELYDRSIRYSVMELPFFGW
IDNLPDPIQGPVMAGMKGVVSAAINAKVDFD VDM LWEGGGYDNTRMLQARSPGQPAIVNH
PVTGEP TWF CNVHSHSSKLRKDRESVYGAERFEDGASQINKSDMYFGDDGIITDEQLKQM
DDVTVKNIRYVKMTEGDVVL LDNYKCMHGRNVFEGTRKHAVAWFEGWEGENEMKKVSSSL
ESVSA
>comp11710_c0_seq2; 591 86 1066 LEN=1660; translated
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MKEQDGFQQFYNAIEMKICQDPLQSV SARPTADGKKDSPVYEAVNKE SRKNFFIGMHNEF
VGTRAPRAAAFVCFKAAEEGGEF LIADGRRIFRDLSDLVDELYDRSIRYSVMELPFFGW
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PVTGEP TWF CNVHSHSSKLRKDRESV
>comp11711_c0_seq1; 356 73 417 LEN=1220; translated
MDALTKDKKQYATAFAILSLYDGGAEVTSEQISALLEATGNTDVEAFYPIIFAQFLNDP
KKIGEMIAAPGGGGGGGGGAAAAEEVVEEEEEEEEEAEAPAGGGGLFGDDGDGDY
>comp11712_c0_seq2; 77 1 147 LEN=1040; translated
GDDDDGNGNTGDEDF TILRFPVPSLDTSRTLYPIGAGDAVAAGMVGAW
>comp11713_c0_seq1; 456 156 1343 LEN=1862; translated
MSESGQFRDKFALHLAVELLGHDKVIKYL DKGDKQVPLYWRSKLMVSDPLKILRHFGE DM
DCIRGRVLFVDVTFEFVKKQEQEQEVKSSINCDPPWRAQQPTSSCVILAALGFFLLLP
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RQGPPCTDNKVEKMDRTGQLTAKYV ESSKANEENGLKNSGNLVPKACDSLHSLPKKFDL
RVDIPYKSIGNVNGTLLHSSGDGT VTKYDKNALRFLYWDLSTNANHCHPLQKSDEPAVT
AARQVVEDAFNRWRTQIIPNTVSGDCATDKSKNNIRNLQINLTGDNISQPTTVNSHTG
NNSNKKRKRKVF RGASILPSARRKRNRGLVYDKNRG
>comp11714_c0_seq1; 187 1 537 LEN=599; translated
VSTCIFKPTQVSIWFIIVCGLGMFNYQGLYYDMIGISKYGEFDPIDEAELKELQLSGMTV
GQLFADAKEFPYDWNYGVMIIYITFLSFTFAGTIVLEGVTTSIMAQATPPKLN TCFVNSGL
LATLIGTLGRVLSDSMITMAALLDIHV FIDFVNATFFPLIILTAGCLILVYKYD KLV
>comp11714_c0_seq2; 754 157 2841 LEN=2903; translated
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>comp11716_c0_seq1; 671 317 2167 LEN=2236; translated
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>comp11722_c0_seq2; 644 114 950 LEN=1200; translated

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>comp11723_c0_seq1; 259 69 1019 LEN=1290; translated
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>comp11724_c0_seq2; 123 1 474 LEN=2234; minus strand; translated
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>comp11724_c0_seq3; 123 1 474 LEN=2169; minus strand; translated
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>comp11724_c0_seq4; 123 1 474 LEN=2156; minus strand; translated
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>comp11724_c0_seq5; 123 1 474 LEN=2247; minus strand; translated
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>comp11724_c0_seq6; 123 1 474 LEN=2315; minus strand; translated
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>comp11725_c0_seq1; 415 459 2060 LEN=2511; translated
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>comp11725_c0_seq2; 267 221 1081 LEN=1532; translated
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>comp11726_c0_seq1; 672 99 2341 LEN=2414; translated
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>comp11726_c0_seq2; 595 1 2136 LEN=2209; translated
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>comp11726_c0_seq4; 606 99 2448 LEN=2521; translated
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>comp11726_c0_seq5; 514 1 2359 LEN=2432; translated
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>comp11726_c0_seq6; 687 99 2225 LEN=2298; translated
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>comp11727_c0_seq1; 149 655 1290 LEN=1423; translated
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>comp11728_c0_seq1; 705 594 2531 LEN=2907; translated
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DKQSHATDSISALSSSHRLLASQREAQNMLLYGNSMNSNGSNRSNGSPTLNSGFFDPMQH
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>comp11728_c0_seq2; 705 241 2178 LEN=2554; translated
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PPSIIAGARDALQRYPSAMQFPGSNNGGNVASAMASSRNHPMSENDLTPQQVMDGGSSNF
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HSVDHFGDKRRRMMTEAALREELQKRHLDTTANFSAAAGLKPTYGGRVSSLYPPNEILLG
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>comp11728_c0_seq3; 705 474 2411 LEN=2787; translated
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HSVDHFGDKRRRMMTEAALREELQKRHLDTTANFSAAAGLKPTYGGRVSSLYPPNEILLG
DKQSHATDSISALSSSHRLLASQREAQNMLLYGNSMNSNGSNRSNGSPTLNSGFFDPMQH
DRKLPKQRLSKNFVPEADTVVLGKGNIPKTNFGNLKLGKLVMDSLMEYANGERRKIA
VISKIIRWVTSRNYQTTGFVKFEDDTWEMTERDARVKITALFRDCLHDQYRSSSSSKVK
RRQELRKREITGGGSPTGSTSENDKEKEGIGIDKSKQTLTEENG
>comp11729_c0_seq1; 181 356 904 LEN=989; translated
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YCYDEDGDTIEHERWFENHEWEKKGICAGVSDADAFFDLVCNISRAPLALMTSVRNQ
QSSDKSLDPFVEALESAGYPVFSTDNLFKQILLSACASEDGKWILADASEFSAKCG
PRNSNDVVSQ
>comp11729_c0_seq2; 173 586 1043 LEN=1128; translated
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VSDADAFFDLVCNISRAPLALMTSVRNQSSDKSLDPFVEALESAGYPVFSTDNLFKQ
ILLSACASEDGKWILADASEFSAKCGPRNSNDVVSQ
>comp11731_c0_seq1; 96 1 298 LEN=1049; minus strand; translated
XYDPVTGMYTVDPIVVYDPLEGAENNNVARSCFAWSSIRWVFAQSYMTLSSAAEQNA
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>comp11732_c0_seq1; 973 88 1380 LEN=1475; translated
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DSVVENMALPDGTIFGLPVVFDTDDDELQPGTTILLKQGLAIATIEFTDKFTPNK
VKETKECYGTSELEHPGTLMVATERGKFYMGKVTGLNSPVRDFPCKTPAEVRAEL
PDDKDVVAFQCRNPVHRAHYELFTRALDDPLIGEDGIVLVHPTCGPTQADDIPGV
VRYKTYEVLKEETKNDRVFEYLPYSMHMAGPREAIQHMMIRKNFGCTHFIIGRDM
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KDLSLKKLSGTFKFRQMLRGGEDIPEWFAFKSVVEVLRENQ
>comp11733_c0_seq1; 416 97 1902 LEN=2038; translated
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DNEYKLTGTPEVELLHRHVLLIRDVTVLSAWGAVGEVHGNSPSSSEIGVVSLSM
SIYSELESKTDQPILVIDSDELAQDPKGLDLCLERLSIDYSDSMLSWAEGEHKCD
GPWAKWVYHSHVHKSTGWNSSPKKYRTLNPGLQISMPAYLFLSHLTPYQKRGPPA
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IMSLDKHLRRLFRSAKALGFENVHTKEEVTEAIFQTLAANGMRNDAHMLRTL
SRGEKYTSSMNPVFNVYGTTLIILPEWKPTEGATTYDNTKGISLISASQRNSP
STCDSKIHHNNMINNILPKIQANLAGCADAIMLDMDGYVSETNATNIFMVDD
EGLLTPHGDHCLPGVTRGTVLVLAKELGIPHEVRRVSLAEFHAAEEVFTTGT
MGELTPVTNIDGRVIGTGVRGPITKQLQDAYKALPAKPEWSTEIPPFTE
S
>comp11733_c0_seq2; 307 97 1136 LEN=1136; translated
MKTITVHCWSAPRSRSTALLYSFALGDDKIPFDEPLYREYLEAKKESLTRPYLED
LI

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QPILVIDSDELAADPKGSLDLCLERLSIDYSDSMLSWAEGEHKCDGPWAKWVYHSHVHKST
GWNSSPKKRYRTLNPPELMQGLQISMPAYLFLSHLTPPYQKRGPASQLYEDPRNEHLLVW
IGAPGYGRLLPRSQAGVSPWDSVQGGDGCWEGIRGTLAEFFCYITX
>comp11733_c0_seq3; 179 72 854 LEN=990; translated
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MNPVFNVYGTTLIILPEWKPTGATTYDNTKGISLISASQRRNSPSTCDSKIHNNMINN
ILPKIQANLAGCADAIMLDMDGYVSETNATNIFMVDDEGVLLTPHGDHCLPGVTRGTVLV
LAKELGIPHEVRRVSLAEFHAAEEVFTTGTMGELTPVTNIDGRVIGTGVRGPITKQLQDA
YKALPAKPEWSTEIPPFTES
>comp11734_c0_seq1; 358 1 1077 LEN=1530; translated
XDDXEVQNNVTLKEMKMNKSRIQCLLLSLATVKLKGAFATAIPSLNTRIVTFGVTNNDNDV
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KRYLSIIASAIIVAGTFPSQVTAQLATNGIPSVNSAPKISRTVSETHFVQDLSSDNHMF
DGFDTTEGLASHDDEFAIDAEDFRFARPAVEDVSQTLAAEASHPLETDLMLVNDIMVKKGL
RNIAVVGTVGAVSLTLLKKNANASSLISGEESKIDDGRPQNVGEETILPDREERTGAIALS
EVKSSILPLGGKKYVEARAQPKSPLKEAELAARYAAISSVEERAYQILIDLGMIEVTN
>comp11734_c1_seq1; 419 1 746 LEN=1126; translated
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GAARSEANAAKADEQARKKREKAALLAAEEEEALGNNGKAKKVPVTLSSKKGKKKNDLSLLE
DALVSGAEKKQKAKKKAELAKAQKLTNEAKQKLEKDKPMDPLLANTEDMMQGATDDIVG
RAANKALDEEHALSGINAALDQMTLGSQSNMSTKGLFKAYETRMMPPEVKHDYPGLKLSQ
YKEKIFQMW
>comp11735_c0_seq1; 464 231 2057 LEN=2117; translated
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DFGTPIHWTQQEREERLQYPHMEVSVQRQEKTWNDMYQNLQSSGTRLMKDMFDDFLWGC
ECARSRAFSGGYTGSFPNPLVYVFTLVLTAYVGLNLGTLEQAANGAGLVFCSSVLRDFV
LPKFFKNKKYVICPVIDMANHDSMRRTANVAYEFFANAYSLSTTAAVPSNSEVVISYGR
SNDQLLQYYGGIDRKNYATSCEDRRDFVCDFAFAEFSSFCGDIQVAQSFSAVCKFSGFVEQ
DNPHDITYVMPPLREWDIESLEKACGGTFFPLDRLQKLDRAGLLGLISLNDLADSSPADDD
ESKEEGVTSEGNPRGGVLSRAVGIDPAVFQALRALVSNAQEWEASGEAVGNFAAEVSPE
NEQRARTAARTAIEMEIASKPTTLEEDRELLKRLKASKNGLQEPDELMAIMFRIEKKKLL
KETLDRLQ
>comp11735_c0_seq2; 513 231 1919 LEN=1979; translated
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SNLKDWSKNEAGIQVASVLEIEQSKTTGGIGLVTSGTASSTDENSVVVTVPSSLALSVEL
PTGGPDDRSVIKELVEDRQAFRSLPWFAQFSAYLYKLDKISPRKLEGDVLQPWLDLPR
DFGTPIHWTQQEREERLQYPHMEVSVQRQEKTWNDMYQNLQSSGTRLMKDMFDDFLWGC
ECARSRAFSGGYTGSFPNPLVYVFTLVLTAYVGLNLGTLEQAANGAGLVFCSSVLRDFV
LPKFFKNKKYVICPVIDMANHDSMRRTANVAYEFFANAYSLSTTAAVPSNSEVVISYGR
SNDQLLQYYGFVEQDNPHDITYVMPPLREWDIESLEKACGGTFFPLDRLQKLDRAGLLGLIS
LNDLADSSPADDDSKKEEGVTSEGNPRGGVLSRAVGIDPAVFQALRALVSNAQEWEAS
GEAVGNFAAEVSPENEQRARTAARTAIEMEIASKPTTLEEDRELLKRLKASKNGLQEPDE
LMAIMFRIEKKKLLKETLDRLQ
>comp11736_c0_seq1; 518 105 1333 LEN=1372; translated
MSSLGSI FGVDSEKDTPNQNLFEKTEALPERPQHKPVAAPKRKSKRGEENTENEIKNE
LTNGQEESSEKRRKRRKSHSNDSESAENQNEADTGENQAETTTDGAESKNKPGKEEE
ERTIFVGNLPLTTTRKGLAALFRECGPVASSRIRSVPTGIKLPKDQAGNQNMMRKVCVN
TNQIDKSLTDSVQGYVVFKEELADVEKALEMNNKIELGGMKIRVDRATPTVDPSSRSVFGN
LPYAAKESTLKEHFEEGCLLEPEDVLGVRIVRDKXNLSVQGFVCPISGKNSVPTALKLH
GSTYMKKKIRVMVCGKRFKGGKGEASQOKQKSKEIEKVTVGAFRRIIAKQQKEALGTNKR
KRGEKKKNATPIKAGAGNISKRAALDKKVDKVRKQLQKRVAKGMGKNKR
>comp11737_c0_seq1; 289 109 1110 LEN=1565; translated
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QRDLFVDHRIESAADNVIVCQVDLVSFKLALQSVVGGGGGANKQKQNGNNSERNLTLHS
IHQNEVVVLKLAKRNRMPCLCLEGKHAQSDSANHDVEIHQAIPTILRRAEMQNHLPPQI
NMPQVQLELPADRPIRPLLDRLKAMGQYVFLEGNMKGDLTIRLHHEGASMACYNDLVPR

VSSAGKNNLX

>comp11740_c0_seq1; 410 124 1455 LEN=1746; translated
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NSGSKINNSENDVDEYAVNMNNVNSGRRSWASSLPLPENAIDEETANRARAAMEGPNPPA
LEGRCAVNLNFNILPSASGSASEGNSSCGVQWLHVDPVLI VDDFLTEEEECQNVLQLTSQ
QLPPDAGR VIRLES RVNSNGQASNRRSTTWYVRYGCKALAPLFHGLEGLLPTVRRNRIEE
VQLVRYAGPGQGF AWHEDALDEKIAMP SIGGQRVATV LVYLDDVVDVDETKEDGPGGSLSSL
PSSGR TMFRDLVGPGEYLAVAPRRGRALLFFPAITGRTELSDAASAADERSPGAPEGRK
ATFGETHSFDDTRPDHRTMHAGEPPAPGEERGAKGPVSTKHIAQLWIHSSDHSPVVFPG
GLNKHSDAQKHIDELRVQATTSN

>comp11741_c0_seq1; 449 94 942 LEN=1305; translated
MTGSTRNEKDHRINPEIDANSVAKSKKELRLERKAAKAAAAAVKAKENADSEKNEKE
GGHDRLDKEEYLALKKQRRRAELRKEQEAMRNQLREEKKLRKRKKNRELNAKGGAE
NAK
KKKQKTANAGANDAASNNDNNNNKKNKKSKEERDANMNAFRSVFHGGSSSENGGMVTRL
GVQYKDTVVG TGKATREGVPI TVKYELTGGKFGAVL DSSKFTFRLGMGEVIRGWDIGLE
GMREGRRKLI VPPKAGYGGKDIGAGPGAPLNF DITLLSCGR

>comp11742_c0_seq1; 189 368 1303 LEN=1303; minus strand; translated
MIATIASGSAMVSRPPTAAELELEVLQLEFLVRPEMNL SVVPGLVVDAGDRQVVAGNHPVD
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DPGLLRGVLLLDPGQPQLVAPRGLVLP HLLFPLVEVQRVLVVDVLGVQE QRAAERVQPG
GGLAPALSSVRVREGGFMPGLLRDGLLGVGLDELQAQLVLRVQLHLDLALVAVDHREG
GQAPARAAADQKEGGATKFS SHSEASQTVLCGAFGRRAENEFPLGGAWFPALASGSSSL
LIDSKRFAQKRX

>comp11743_c0_seq1; 428 1 1284 LEN=1468; translated
XQQQQQQRLN LNLNLNTEMDTNQYHNDNTIALVYSQQQQSQQQEQRQQQHONYFDQTN
Y
QHQPFFHHYEQSWNNKVPVAPSGERFHIFNCDDPSFHITNDDNAVAKLSESTIHEDVEPL
TITIPETPMDNTSTICRSKSDNHINGLVMGTRVSELIEQRARKRSNSSRAKTKSIE TKV
IEGAKSNLYRVENPSKYDILCGQSRICANHMGNQRFQAVLDDFAPRYDVATSKQDKMTMT
KEIVATIHNLGGFRFLKYKDEMWEEISTVAARDKVSHALRTKVASWKRQEQRLQQAGSGN
EASPSGSGRRGSRNSKSKQCTTSRRRRSSASSASTGASDI IAGLSFDRIMGSSTPSESK
INDMYRYQQDIFEAMTIPRLLNSEASMGYKAETFTVLIPIYNIYKGDNPPRILADRVC
Q
FETGGRQ

>comp11744_c0_seq1; 194 197 717 LEN=717; translated
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QRSRKIVLEILGPDVDENAADSDSLSLEGTGKRKPSRSGSTFMGDTGYFLEEEETNESLQR
RRGTLQRSTEARNFIDL SSELKDDDLVVVRIKPRRGRWGINRDPEDSDDDDDX

>comp11747_c0_seq1; 523 394 2762 LEN=2777; translated
MDSCSKHSPSCSELNDVVITANS DPGMPKDV SIDRGSEGLTAGSDPSFSRPRCVRDAS
YSSTDEDGT VGGGSSRNDSDCETVATVTT SNSNYKYSR ISTATGSVC SHGSASVCS
CSSS
KIRNKLDNMNETNAGEIDRMMIKELQGLSVVDRGLVQEEIHGVSSCAVVENELKISDGLK
RLEEEIRAIRREVLVSPTQVSR LGNTYNEAIWSYLAVEEECSSPSATTVNARTRLLYSYI
FHDEFRLKFLRADLYDAEKA AHRYLRCEV LLLKYFGSYALQRPLMYDDL GKECQDAKAG
YVQILPSRDRSGRLVVVSQPFPAQDVTTSMGTIIKLF TYIFSVVSEDVETQKRGVIFIFS
TNDEALQHLEDPNDKLEYSLYREGSPVRRSCTHFCLPENNP KMFIRAVMMLA IPEKNGF
EHAFTWKVSQVIIICESTLVTNKRHTVVR IEIPT YFFPPDCEHYLQTLPI SGLT IETQYK
LMTFGIPVSELPITSTGGIKTKHHLQWTRTRKALDTARMKSLEG CYNEKMLQQQMEEKQQ
TGSSVTS PRNCCMYPTYEDYLQYHGKEPIIHPMINDVLF SKGGKNVTHYGNIEFTDLMKR
SLMQYVTGTPLQNRKMRAIRQAI VDEVQNRGGRF LTLDRKLRGGYCWTEIQEGPDLHDR
IATSLYDHKRRLAAKLKIQKDRCGTAMFTTLDNSKRRKVVTTDDGQTD PDDTTAVLELFDKH
GTSENQIILNETTSNSPARKQMSLRMDEXILNIQARQLLDEDPVLQECTISVSCYIPNFE
YYWMNNDI

>comp11747_c0_seq2; 627 394 2628 LEN=2643; translated
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YSSTDEDGT VGGGSSRNDSDCETVATVTT SNSNYKYSR ISTATGSVC SHGSASVCS
CSSS
KIRNKLDNMNETNAGEIDRMMIKELQGLSVVDRGLVQEEIHGVSSCAVVENELKISDGLK
RLEEEIRAIRREVLVSPTQVSR LGNTYNEAIWSYLAVEEECSSPSATTVNARTRLLYSYI
FHDEFRLKFLRADLYDAEKA AHRYLRCEV LLLKYFGSYALQRPLMYDDL GKECQDAKAG
YVQILPSRDRSGRLVVVSQPFPAQDVTTSMGTIIKLF TYIFSVVSEDVETQKRGVIFIFS
TNDEALQHLEDPNDKLEYSLYREGSPVRRSCTHFCLPENNP KMFIRAVMMLA MSREERL
RTRIHMEGLT IETQYKLM TFGIPVSELPITSTGGIKTKHHLQWTRTRKALDTARMKSLEG

CYNEKMLQQQMEEKQQTGSSVTSRNCCTMYPTYEDYLQYHGKEPIIHPMINDVLFSGGGK
NVTHYGNIEFTDLMKRSLMQYVTGTPLQNRKMRRAIRQAI VDEVQNRGGRFLLDRKLRG
GYCWTEIQEGPDLHDRIATSLYDHKRRLLAAKLKIQKDRCGTAMFTTLDNSKRRKVVTDG
QTDPDTTAVLELFDKHGTSNQIILNETTNSPARKQMSLRMDEXILNIQARQLLDEDPV
LQECTISVSCYIPNFEEYWMNNDI
>comp11748_c0_seq1; 137 558 1121 LEN=1163; minus strand; translated
MDPQPLLEEDRSAHLDP LRRGRHPVQVSDGDVEAPRAAHPPLQCPRRAAVDDAPHTAPI
DRTGAHHTGLCRRVQGPRLPGVLEEFPAEEGNLGVSCAVVGGRRSPAFSDGRRCRVVC
PCDHGSSGVGKDRSKGHASTIDRFLGFSGGFYQVFLVVLVLSQAALDDDGGVCFLLRRPGTAS
SFTRHPT
>comp11749_c0_seq1; 104 1 435 LEN=838; translated
ATLWSGGVYALEWDPTSGYIRSWVFRRGEI PRNLQQALAGSGNPRPDPSSWPTPYAYFAI
GEGSGCPSEHFRHRLVINLAFCGAVAGNRFARDPCALYERYNVRNDSVATCNAYLESDE
ARALLDEEAYWKIGGVHLYQREHA
>comp11749_c0_seq2; 483 430 1872 LEN=2275; translated
MAPRESDSLPPYDDNKKPALVGHLSIASRGCNGPEDPARGEDTEQAKQLPAWFGTAKSL
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PYALVERHTGKSFFDHDFADGPD SIGSAGYNTYVGRHRAGELGLARVVQGGNDSGSDSD
EYVVLSSRSGTTFDENGNYRESVRLEGKRRIDHGLILLDVEKMPTGCGVWPAFWSTDEA
HWPDYGEIDIVEPINNQVAKTALHTSEGCDMAHVPRWNWTGHWDSATGLPDTFTGEPN
FDTEVQADNCWTMPHQWANQGCVAIHDKNGTIGEPMNQNGGGVYALEWDPTSGYIRSW
FRRGEI PRNLQQALAGSGNPRPDPSSWPTPYAYFAI GEGSGCPSEHFRHRLVINLAFCG
AVAGNRFARDPCALYERYNVRNDSVATCNAYLESDEARALLDEEAYWKIGGVHLYQREHA
>comp11750_c0_seq1; 762 1 2583 LEN=2698; translated
RISNNSNIDKIQGLTSLICTAMINNIGQESANLHMSLTPLRHRLERCKMANSRGSEESQS
ESKLDDETRRLVMDVLDLLKSSSGSAILNNKDLPRNDTKKTSKLITKIAKQSETESYCQE
SESPSTSTTSSFSSSSSSKAKLLKLSPPTRRVKRTKTSPPSSRMERVLQLSPI TRRGRT
VSPSPSRWIEKETTEDVKGIMKSSFSRRKERTISTSPTRRKERTISTSPTRRKERTRHM
LSSSPGQRKERTAISSSLTRRRDERTAMSSSPTRRRKERTSLSSSPEVRQEVIEEKKQ
TKSPDKSGKRRGRKPKSDRVDQRNGKLDLKLKSKTSTFDGNRIFAKTTSGSLGDLRMHE
MNYRYQNTDESQDIHSCGHLSSRSASSINNIVLNHCNDTDDINEYIASLGRTKTRSATSQ
FSKAEDRESNSSPKSPLRRSIATLGLKKTPSHQGTTRTETHNALEVPVSAPRSRSPNR
MVRRSKSDTSTIQR TAILSSPHPRNSVKISIEGSKSSSPSSSVKKSTIGKTKSDASLI
ANASSACESLRKERSIPSPPLCTSLRKERTSNLLRRERSILSSSPPKSAALRKEKSISK
PKTPPPPPLLLDDSSHLSLFLDEEEDEDSNGLLAHWSRAESSHCNKINSSKPI TDNNQ
STENLSGEECAK PQSSSSFASSSSNF SAGGKVRNIRTHEVYTGFFLLSEEGNGKPVNLK
HGYGRTKFPDGRVFEFTYDRGTMMEGKMTYPADPSSRSRNGEERPTYVGKFDKQGFRCG
KGIYTTSATTYLGDFFRDEM HSGGIL IYHNLTENSKYGRSSDES KNSKGRRFVGHWKDG
LKHGVGKEVRVDGTIQREGVW
>comp11751_c0_seq1; 1641 571 7359 LEN=7506; translated
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LDADTDVPFDDPLTRMPMHKAVSVALDAYRMTITHPAMGKSSSKAAACEQALLCIEQLVVR
EYVSGRAGGKDDDSASGSAALAAARSRNQHPQEEHTDTKQAPSTMHRLLEALHECSNVAQ
KLPAILSHVARCTKAVMTSPRCGIHEASMLFGIRIAFHSYLVTDYEPCKRASKAALLDIV
DYVVQRLESCHESNVSKSLWYTDCCYMLRSFVKLSSKEIDGLDEKSSTTKAPKSYFWSWES
ADTVDSLHLNKLILSLELQLQAFECAGPKFCNGDKFIQLVQSQNGSIALFKNCMSQCTQV
AYVSQQLF IILAYKFKNHIKDEIEAFMTNVFFRVLESENSSYTQKAVALSRLSLCNDPF
LLSQIFLNYDCDFDSMNLYKDVVFHFLAQLCARSTIASFTSAAGGRSKQKEAEKQAELSLA
GSEVLVTIILQTFLLKATVENTNDEE I IDTAGKIRKDLHIEEVMISPTRRAANFAKYRQKN
LDFKTSALSPHSLKQDVENGTSAIGDESGENSLSSDYQNVENPTAIENDTRRQSESKTADP
EDLTGTILGFFEKKRNAEQNLELGVVFTMDVKKGLKFFIDNGFVTC DANDIAQFFLVNK
DRLDKTQMGEVLRGEPDAPFIKGQPDLDPEKGGPGFFCRILHHYTMCLDFTDMFFAEAIR
LFLSGFRLPGEAQKIDRIMEKFAERYTFQNPDVFAADTAFILAFSVIMLNTDLHNPSIK
PERRMTIESFLRNNRGIGANGTDLDPEFLTAIFDRIKEKPFSLKEDDVAREKAAEAPTQL
LGDNGLLGAGLIGGTTAEERKKAKFKKEREDMIMATELLIRRKKGRSAKAESLTDVDP
ALVVKPMFDVTWGAAILGTL SQVMEISNDDRAIAVSLNGFVYAIRVSAHNNMSLARDTFLG
SLAKFTYLGSVKELKGKNI EIRTLINVAVT DGEYLGESWGPVLQCISQIARMRMSASGL
DNDETFQLQDSTHSGSSRSKKEQSSRSLSFSRESKMDVMKETETANSRVLNTIGEQLIDQV
FSSSVKLSAPSLALFIEQLIAVANSEIEGDSKSGITGVSTTGSSSNHGESGPSIFSMQRL

VEVADYNMHVRPRLVWAEIWSLMAGFFTTNGSHSNPMVSVFAVDALKQLSLKFLEKPEAS
EFHFQKLFLEPFLVMKNKATRPEVILACVDQMINTRVNNIKSGWRIFFDILAVGAG
NPNKKVFNHLSILQGTLDKHLDRLRIFAEEEDSQGNQSSYFEDFLAMCKASLSFIDLK
SKSSHPIGVSMRALCHTAIYADLIASKRISPPNLDQFEDPEMLGYTYKGLSEKEASEMM
LWRPLFEGLSKGVRATRSREGDIGNLVQSGSVLAVRAILLRHGSSFTDHQLEAILNDTI
IPTFQMAVENDKSPVTSIASESPSISDLDFLAGPLPIPPDSDDAGLLKFERVVQQLDNS
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ILSRSRIFA EKAVKNEDLAHAFQEAMFSEWGISNDMGEEALENVARLNNTKGSAMFFLTQ
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>comp11751_c0_seq2; 1812 571 7265 LEN=7412; translated
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VEVADYNMHVRPRLVWAEIWSLMAGFFTTNGSHSNPMVSVFAVDALKQLSLKFLEKPEAS
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RAFAGQYLLKIKEDIFRKFTESDAKEGHKVDQNVWRNTTESGKVAIYCTSFASVVVGLLK
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>comp11753_c0_seq1; 219 1 1107 LEN=1570; translated
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VQGDGATYVVPLESNIQRVQILITSEKNPINARIEILEGPNNVKQVMEI STEDGKARPF
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NNSPFLLS

>comp11753_c0_seq2; 219 1 1107 LEN=1466; translated
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VQGDGATYVVPLESNIQRVQILITSEKNPINARIEILEGPNNVKQVMEI STEDGKARPF
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NNSPFLLS

>comp11754_c0_seq1; 292 1 1680 LEN=1802; translated
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DRKSNTRSTERKLRDGLNFYLSRQHQKEQRQHQKEQGTDRSNFPTDPRSKHSNFRMHELRL
ILGAVLSPEFMDNTEEGIARGQPHRVDWNRFSATQRTYVYRLLLLPGIAPNQNHGKPSDG
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THDFSAPFRGLRCQRSSPIVSMASVDVSLHGLGFGVPDDPSTAPRLVTISFVANSFLYRQV
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SVLTGNEGTANTTHDRRVLE

>comp11755_c0_seq1; 333 77 1054 LEN=2161; translated
MAEEATKPTVVMVTGGSGLVGQGIKDYVTENDNKNKTKAGETWIFLSSKDGDLTDRKATEA
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IFPDKTTPIDETMIHNGPPHHSNEGAYAKRMIDTMNRAYASEYGCNFTSIIPTNIYGK
HDNFSIEKGHVIPGLIHKCYKAKADDTPFICIWGSQTPLRQFIYSRDLAELTVVWVREYNE
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>comp11756_c0_seq1; 348 425 3203 LEN=3238; translated
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LDQTSHGFMNKAPLTTQSVKRSSCYFSALTSYGFIER TAMKPDRIEAFYFYSNGMTLSLGI
LFFAINVIVGAHAASQFTPFGGFVTDSDILRVTLPIARAGGRLVTFNCALLLLTGCKYMC
TLIRTYVVPVPIPIGFPMDDIMPKYHRFVGLCIIVSGCILHTIPQAINYATGKIWLKNGG
KIWTFNGIAQTQLLITGSLLLAIFVTFLLTTLKGFRTAAGFRWFVFSXTGGVALAYPL
LIHGTYKGSPLFLYCAFIPLVIYLLDVILRRSKITKAEVLLWKTHSDKGHNLTTELVLKC
PQNFVYTPGQYVELKFP TLSNHEWHPF TIASAPNSVIRDCGDTRVLVFFIKATGRWTQAL
FNYASAFKLSKATQSQEMIIRGPHGAPIVNFSEYKHIMLVGAGVGVTPLLSVWQHLLGEG
RSKIEAYHREPSFRYTFQEEDEKTSKFRSMCHRIEHVLESLTASICLLCISVIGETAVI
TGTLFGYYWEANMIGSILASGLVLFHSGTILVSI VAYDGGIYQYFFRKCWLESGIVLVDA
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NHC SVQGI FVNRSYKGMRF AFEQLLQPLEEGLSGAFSLQFYATQEKDKKTKTKMSLKR
GVDASFHGRKLASDWDTSTDNFYCFREGRPDWELIFRKSILKAHF SCTSGDSVGVVFCGN
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>comp11757_c0_seq1; 258 79 399 LEN=1168; translated
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>comp11757_c0_seq2; 366 79 651 LEN=905; translated
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GKRMLFQLVTAADYLDIKPLLNLT TYKMFSDMNGKSFKEMSDYLGLESETESPDSSMDSA
RQRKRTRTES

>comp11759_c0_seq1; 208 1 759 LEN=1030; translated
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QRSLAPSPGGDERAYMYHARRASPACASLLVSPLLFDLGAASF EWKNAGSRYADATANL
KNSPVVAMPSPTPASVSNLSADGIYLLDTCFNAYVIVEEGAECGDQGS DGLSQELEEKIH

TTKKGLSQSDSSDRATIDYGDSGNRSLKFPVLRVRCNGDTNFSKIDADTNYNECGSTPIEL
EVERLATVLYRNV
>comp11763_c1_seq1; 153 1 294 LEN=424; translated
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EGKPKYKGRSRRPASNSSSSRRSSGPRSVSQRRSGSESE
>comp11764_c0_seq1; 651 157 1137 LEN=1291; translated
MTSSSFFFVLTSTLLVAHTGAFAPHASTYRLQPTTTAGSSTSTALQMGILSRFRRKKKVL
LDPIEMGAPIPNVDVQILSDEEIVPIGLHEALGNETSILIGMPGAFTTTCTKTHLPGYIE
HADTLKTDYGVETIAVVTTNDKFVNNAWAKEVGLVSDTVADSDESTDEVDEGSEEGSGNE
TVSPPVTILADGSELVKELGLVEDMGFGVGIRSKRFALVIENGVAKHLETDEGMDDCSN
TSAENLLKVLTPLAKEEDETALDEMEIDENAGYVLAGVAFLVLWAYASAGDGGSAATAS
AVAPASVAAAGSGAVDTGMSLLNTYR
>comp11765_c0_seq1; 302 139 792 LEN=1084; translated
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FNNYAMDWLDVWEADKSLKDYGNGLDISGGLEGVRFW
>comp11765_c0_seq2; 281 463 1302 LEN=1594; translated
MTQDPLVTPITQSDSPTGHTILQKPTSLIRTPPITYSIPPLPKKVSILMNF SRPRMI
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QNNWLHLDDDDMEFTTEAMNDLIAEYGRNPKRIVGRFGRNFKEGNSFNNGYNSVDTHKNSE
VILTKLMLMERDTCSAFFDYAHLVWADTVLQNGDGPLWNGEDIFMSLVANQVYDKNRDGS
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>comp11766_c0_seq1; 331 405 2460 LEN=4510; translated
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ALDRGSDAGAAGARGVRAVLVSPGLKHVFDLSREAGQLPSSIAVIECGAGCELDPWTETR
RFAFHGRQAQPKSKASGWDGTCLYIYTSGTTGFEXEGQQDEPHADMDDGLRRQEALPAAVR
RPALLPPPAAPLQRPWARPGGLPPERLHDGGAPKVFGAAVFSXTLRRTDARVGT LFGCRF
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CGIVPLGFGWIYPIGIFRYD TDTGELLRDATTGLCVPASPNEPGELLGLIKSSDPTRRFD
GYTNHSATR SKIVSNVCRKGD RYFRSGDLLRQDRRGFLYFCDRVGETFRWKGENVSTSEV
ARALLECRGNGVGSNTQAAGATEAKGDTAWFAEAVVYGVEVEGY PGRAGMATVVMNEGAS
SNKWQDSLWRS LQAELPRYAQPLFLRIATEIEKTSTQKYKKKKLQDESFFDCGGDAVYFR
DDAANRFVPMDETIH HGILSGNRRV
>comp11766_c0_seq2; 331 405 2460 LEN=3824; translated
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ALDRGSDAGAAGARGVRAVLVSPGLKHVFDLSREAGQLPSSIAVIECGAGCELDPWTETR
RFAFHGRQAQPKSKASGWDGTCLYIYTSGTTGFEXEGQQDEPHADMDDGLRRQEALPAAVR
RPALLPPPAAPLQRPWARPGGLPPERLHDGGAPKVFGAAVFSXTLRRTDARVGT LFGCRF
LVTVSFHAVPRHTLACAKCLMLGSLDGVSPQLLSPYDVCLSCAMKLGVQYI GEMARYLVS
APPSPFSDVRLRFALGNMPQEIWLFPQKRYNIDL VNEFYASTE GNVNVFN GTGVAPGA
CGIVPLGFGWIYPIGIFRYD TDTGELLRDATTGLCVPASPNEPGELLGLIKSSDPTRRFD
GYTNHSATR SKIVSNVCRKGD RYFRSGDLLRQDRRGFLYFCDRVGETFRWKGENVSTSEV
ARALLECRGNGVGSNTQAAGATEAKGDTAWFAEAVVYGVEVEGY PGRAGMATVVMNEGAS
SNKWQDSLWRS LQAELPRYAQPLFLRIATEIEKTSTQKYKKKKLQDESFFDCGGDAVYFR
DDAANRFVPMDETIH HGILSGNRRV
>comp11766_c0_seq3; 338 405 2294 LEN=3658; translated
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ALDRGSDAGAAGARGVRAVLVSPGLKHVFDLSREAGQLPSSIAVIECGAGCELDPWTETR
RFAFHGRQAQPKSKASGWDGTCLYIYTSGTTGF PKASKMNHMRIWMMGCAGKKLCRLRSG
DRLYCPLPLHSSGLGLGLGACLQSGCTTVVRPKFSVRQFSRDIATHRCTGVQYI GEMAR
YLVSAPPSPFSDVRLRFALGNMPQEIWLFPQKRYNIDL VNEFYASTE GNVNVFN GTGV
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TRRFDGYTNHSATR SKIVSNVCRKGD RYFRSGDLLRQDRRGFLYFCDRVGETFRWKGENV
TSEVARALLECRGNGVGSNTQAAGATEAKGDTAWFAEAVVYGVEVEGY PGRAGMATVVM
EGASSNKWQDSLWRS LQAELPRYAQPLFLRIATEIEKTSTQKYKKKKLQDESFFDCGGDA

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>comp11766_c0_seq4; 338 405 2294 LEN=4344; translated
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ALDRGSDAGAAGARGVRAVLVSPGLKHVFDLSREAGQLPSSIAVIECGAGCELDPWETR
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DRLYCPLPLHHSSGLGLGLGACLQSGCTTVVRPKFSVRQFSRDIATHRCTGVQYIGEMAR
YLVSAAPPSPFSDVRLRFALGNMGPQEIWLFPQKRYNIDL VNEFYASTEGNVNVFNGTGV
APGACGIVPLGFGWIYPIGIFRYD TDTGELLRDATTGLCVPASPNEPGELLGLIKSSDPT
RRFDGYTNHSATR SKIVSNVCRKGDYFRSGDLLRQDRRGFLYFCDRVGETFRWKGENVS
TSEVARALLECRNGVGSNTQAAGATEAKGDTAWFAEAVVYGVVEVEGYPPGRAGMATVVMN
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VYFRDDAANRFVPMDETIHHGILSGNRRV
>comp11767_c0_seq2; 239 249 653 LEN=1013; translated
MLVPAHRAAKAVAIASGAGRLLGQRQRAAVVPPGRKGLGGGAARAAAGTRTGKSASRNH
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LLSGLAVFLWSWTA
>comp11768_c0_seq1; 636 1 1626 LEN=2008; translated
HQQLYESRQISRYQMANLLKTCCLVATIQTIIQTSEAFQNIVCIVDRTSNKSNFGH SVI
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ERQTEEF SARSANALEKQKAEYTVRIDKLSKLESKEKETKEMIDNFEEKDKEKSDVIDG
LRSDLAKAKAMQNNIETKEHSEKEQSHAKESELRAIEIETLKAEHKEYVEKVRNEESERA
AGEIEKLKAEHLQIVEKIRNEESKRAARDIEILKAEQQWVAKDIQNQASKKAACKIESLE
AEHKQAIEDIRQKESKRVKDEIEKDVKVIKEIEELKAQHEKVVEDYALQLDKINKERDML
SAKLDISLGNEEQVEIAAAAVKAGEKREKRIRKESDDFAQQLKQTRLQVKIMRWAMNGV
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>comp11769_c0_seq1; 1239 95 3043 LEN=3210; translated
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NSED SASSSEDDGTEEEKEPDHVDVADTYRPSIGEDIYGNNEIESESSGDKKPSKYVPPH
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KNAKDACITSPFMVGLIPVYTACITGVHIQTGDTVQVGENILENVVVELLGR LKASRER
DPDEIDNNRKEIESKQISNLMLFLGYLYNYGIVHCSFIYDVIRHLIENFSESDVECLLII
LRHCGRSLRSDPTALKEIVLLVQKKKVENDKQVPSRTEYMISAIMDLKNNRRKKEDTV
FTEKVSFRKVLGRIKASAAKAGLSKSSSEASLRISLDDILNAGTKGRWVKV GASWVGNQ
YRFSEGESKQDGKPKESHKSLTSTLEDGDEELKLASKFRMNTDRKRAIFCIIMGGTDC E
DTFEKLCRSSMLQNRSERDAVRVLMCECCGNEKSYNKFYGH LAARMCEYQPQSKFSLQLAF
WDIFKQFDSIGARKVANLAKLLFHLVTHHALKLFV I KALDLSAEDMDENTMIFLTIL
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>comp11770_c0_seq1; 417 1 1363 LEN=1496; minus strand; translated
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RHRGAGRPGAPRFYTRVSTTVSASRIPSVATELVVRCMPRRSKELVLAIALAFVSI FSKA
DWKQIQAPVLWNKPLIDALFAKPILEFLFVSTILFLGGTLPVTSFVVCDLAMDSFVSSAL
LQHRMITGAANADVAILVIAAVTGEFEAGFTGGGQTKHEIMLARGLGVTQIIVAVNKLDV
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>comp11771_c0_seq1; 333 1 1269 LEN=1513; translated
SPSPPGQHPHPNHEPDPVSPSEFLPGNGQNQTADSEAYRIDKTRTG RFELLEVPVHDSNA
FTQGLEILSVAKIELMERYRQQPQQQPQQQD SPAGETPQWPGRNDTNTNIAGGLPLATFP
NASAGPLPAASPEGYVLESTGQYGASTLRIVELGTGKVVDELELGDEVFGEGCTYYYHHDH
GPALSPGEEEGERNGVVRVVIITWTSGRGYVYERPVPSSGETWGDAPGLARVGEFRFSSE

TTSGEGWGIAYLPARNQFVVS DGTEYLHFWELTETEATGSSNDRSFAFDLADRVAVRELR
REEDPPGDS PGDARWTRVDDLNELEWDPYSYGGNTILANVWQTTEVLRIWVGAGDPRLIA
GTVSHAYDLS DLEDRADPRRRGAVLNGIAVAYGSSPARSAGGFVWTGKYWPEMYRIRLLD
GG

>comp11772_c0_seq1; 382 842 1831 LEN=2141; translated
MIRVARRLFSSDAPKLASAALDPITHFIFGANTDIGKTVLTAALLRASYPGSISSSSTH
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LHVLENASATATNEKGASSSSSSGGGNRSSIWIETAGGVLS P S S S S P H N S A P Y H A R N D D S
LGGWGWVTQADLYKSYRDRSSIVLVGDGRLGGISATLASLEATLNRNRYRVGGILLRDN
SSEEDTNKEALQEYVESRASLPSLVDDALRPRTMQSGLFANPEKSIVSLPKLPPEPEPLD
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>comp11773_c0_seq1; 699 93 1933 LEN=2551; translated
MTIKTKRSPEVAFETGDNKRQRTPSKDYEVSRRIDVQNLDDLKHSDPVLQIPLKNNNAI
PDISPSSDLLQDLLFPLSPDDFKSCCFRRKAVHISSNRKDRVYDISTNYMFGLD SKRIF
EETSSDRIFLWIPSNDRKEVSSLDLSNGQKSLQSIDIEDPNTAHILHTHSNYASYCRAP
PELEQLLVSKMLRNVLGLGQYDPTGXVSFLQMIHFFTFNASLSYFLK KLFINWSAVGSK
LTTLGRGEVETFIGTKDHLTGWHTDFQENFTIQLSGRKKWSLKQGTVKHPMRGTTPHYKS
PADVIENQIKAARLSNPDYQFGKQDL DGNFGTEVDIILDAGDVLYFPAGMWHK VETLEE
GVSINISLMGTTYASFCCRTLEHLLLEKEEWREVICSDKETGYDAVEK LKALIKDLP AVV
EKIGSNSIAEGMLPPALRTPPAFEFYSNGDEGGKECEDENDKGIGTNEALGDQEVAAEVD
EEDFSDDGDEDIIDINEFEMPETFKSITLSRENCWKRNP L ASLIKMT EIKSFFKKSEEQN
YEDNKHLFVLNSNFAGNEMHESAVRVVLRDRSGELDR L CSLRGKELEDAIENLKAPPSAL
IYFGYIIVSQHTS

>comp11773_c0_seq2; 433 1 1216 LEN=1834; translated
GSKLTTLGRGEVETFIGTKDHLTGWHTDFQGDASSTIAHDAFDDIRRVNLLNALVVLKEN
FTIQLSGRKKWSLKQGTVKHPMRGTTPHYKSPADVIENQIKAARLSNPDYQFGKQDL DGN
GFGTEVDIILDAGDVLYFPAGMWHK VETLEEGVSINISLMGTTYASFCCRTLEHLLLEKE
EWREVICSDKETGYDAVEK LKALIKDLP AVVEKIGSNSIAEGMLPPALRTPPAFEFYSNG
DEGGKECEDENDKGIGTNEALGDQEVAAEVD EEDFSDDGDEDIIDINEFEMPETFKSITL
SRENCWKRNP L ASLIKMT EIKSFFKKSEEQNYEDNKHLFVLNSNFAGNEMHESAVRVVLR
DRSGELDR L CSLRGKELEDAIENLKAPPSALIYFGYIIVSQHTS

>comp11773_c0_seq3; 725 93 1838 LEN=2456; translated
MTIKTKRSPEVAFETGDNKRQRTPSKDYEVSRRIDVQNLDDLKHSDPVLQIPLKNNNAI
PDISPSSDLLQDLLFPLSPDDFKSCCFRRKAVHISSNRKDRVYDISTNYMFGLD SKRIF
EETSSDRIFLWIPSNDRKEVSSLDLSNGQKSLQSIDIEDPNTAHILHTHSNYASYCRAP
PELEQLLVSKMLRNVLGLGQYDPTGSKLTTLGRGEVETFIGTKDHLTGWHTDFQENFTI
QLSGRKKWSLKQGTVKHPMRGTTPHYKSPADVIENQIKAARLSNPDYQFGKQDL DGNFGF
TEVDIILDAGDVLYFPAGMWHK VETLEEGVSINISLMGTTYASFCCRTLEHLLLEKEEWR
EVICSDKETGYDAVEK LKALIKDLP AVVEKIGSNSIAEGMLPPALRTPPAFEFYSNGDEG
GKECEDENDKGIGTNEALGDQEVAAEVD EEDFSDDGDEDIIDINEFEMPETFKSITLSRE
NCWKRNP L ASLIKMT EIKSFFKKSEEQNYEDNKHLFVLNSNFAGNEMHESAVRVVLRDRS
GELDR L CSLRGKELEDAIENLKAPPSALIYFGYIIVSQHTS

>comp11774_c0_seq1; 293 100 1356 LEN=1546; translated
MEAEELKKLDQEHVWHPYAPMPNSVPCFPVKSASGCDIHLMDGR TLT DGMSSWWACI HG Y
NHPVLNKA AEDQIKNMSHMMF GGLTHEPAVN LAKTLTQAISP NQSCSNQEERLDKVFYCD
SGSVSIEVAMKMALQYHYNLHTSDNNIDISSTSTGSTRAPKSKFLTIRGGYHGDTFEA
MSVCDPVNGMHMFQSVLPKQIFCDRPKTFMGQPWDESDIEEVS RVMEERHDEIAAVILE
PIVQGAGMRFYSPKYLQRLRGLCNKYNILLIFDEIATGFGR TGKMFAMEHAPGVMPDIL
CVGKALSGGFLSFAATITSNKIATAFSQGPAGVLMHGPTFMGNPLACAVSLASLHILKSY
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>comp11775_c0_seq1; 905 150 2432 LEN=2566; translated
MSSIESEEPMKKLARLLKKAASELIAEGDPWAKHKMEK VPAERVIRHMYQPDTQ TWKQDQ
TIVKMEKEPFTNGAMRFCYRMKKRSPPPQSSNHRFH DYGWTRASN FVAKAYLDDKGEID
TSEEAKQNRNDILLQYEASHWASRFNDKSPPKRIIFIRAYAI EFPDREGQPWFAVERFI
FGNDMYGAGFTKHNTNSGYVDDLRITPQVFAFSFYESEGNRLVADIQGVGNMFTDPQ
VLS DYRF GDGLGPRGMALFFKTFRHNTVATAMGIPVFP LSKNELKHQSKYEEDEYSAS
EDDPSLLDTL KGLNRF EKMDINRSRRQSVLHMPPKAI VSDDLQATERRSNMVKHDKPKPV
KDVKKSQNFARLKR TTSEVDEVQLCLNI AKEDFEFNMKTYLRNESGELM QKVDRRKGLAK
RSSLIIRSVSAPIEICDSTKLN LGRVHYQLAILHGIGRFP EIVPSN DSEDAPSHDVF SVL
FHLAHAASLRCPACLALGRILAGLGT SVSDLLDSFVPVDFEAAKDLLKRAMESEFPNA

PKVAAGCVLYQLYLDEISVARQGIKNDTEDDGQDQPFQTKQSVASDLVLINLLKGILELIA
ARDDERESNRQFKDRKATSTHTFRVGDQVQDYCLEGNYYPGVVDSVSEDGTMVNVTYDD
DGTTESLPKEHVRMIIPPTATQTESGGPLTDEEAGFGIGGDETVTIATYQLRADLAELLA
SSGDKIQASELYEEAAREAIEAKMKIASEWSLKAELLDD
>comp11775_c0_seq2; 258 150 749 LEN=942; translated
MSSIESEEPMKKLARLLKKAASELIAEGDPWAKHKMEKVPAAERVIRHMYQPDTQTKWQDQ
TIVKMEKEPFTNGAMRFCYRMKKRSPPPQSSSNHRFHFDYGWTRASNFVAKAYLDDKGEID
TSEEAKQNVNRNDILLQYEASHWASRFNDKSPPKRIIFIRAYAIEFPDREGQPWFAVERFI
FGNGVFSKPVRLVSITFCYW
>comp11776_c0_seq1; 492 1 1495 LEN=1597; translated
XAKYLS DAGHEPVVYEARDVLGGKVS AWQDADGDWVETGLHIFFGAYPNMMNLFEEELDIE
DRLQWKEHQMTFAMQELPGKFTSFKFPPGVPAPFNMAAAILTNTMELSLEEKVRMVPGLL
PMLLEGQSFIDAQDELSVSEFMEKYGMPKRINEEIFIAMGKALDFTDPEKLSMSVILTAM
NRFINEADGSQTAFIDGNQPDRLCKPMVDHITARGGQVLTGKPIASIEVNSDDNSVKSLK
LADGSNVEADMYVSAMPVDI IKRLV PKAWSSMPYFEQLSELEGIPVINIQIWFDTKLTSTV
DGLCF SRSPLLSVYADMSTCC E EYASETSSM LELVFAPATEAVGADR NWIGASDEE IIDA
TMLELERLFPTEIGPKAPNGGAQITKSTVVRVPRSVYATTPGRNKYRPSQESPISNFMVA
GDFALQKYLGSMEGAVLSGKLA AEVICDKATGRPTNGVKDVHSSIVKGSEKAPIGVRGDF
PIAFGGGQQGTGPNPGHP
>comp11777_c0_seq1; 524 31 1182 LEN=1232; translated
MPPKDDTHNLLIADPEATTIVGMEGQKRIGIFS QLFPPRRSRELRTTTKNMGHKGDTLDE
DQIDTDDDESS FSSSSSSSSFDI IDNIIGPLDANETFGPDASHLGTATYDEVPGSSIHLC
ELLSSKDPDLIRVGLQRLMLLTKGRTLSGLYHSEEVASHVLVFGGPLGTIEELLRYIFAT
LICDSPHQDHREKYLTGTGVA DFDKDALFDWILDYDPLTGIDGNGKHISYD DDDHSC
SDSEDTERQPLHPQ GKANGIFHNHALRVLANALGKVASTTTKSLNDTEQQALRDP LWN
MIRSLIENIETNRNTDATGYSKILRLLLSVDPETIEPLLYSLFDRLVFFAEYKGFYRY
PMIYTEASELLNRITQHSEESNV
>comp11778_c0_seq1; 502 241 2001 LEN=2227; translated
MAILSVLAATVRQSRGFLPTEQLRRAAVTIPSVVRRSNSLQLSKALTRCRSTSALFGSDD
ILGTPATTTDDGKRPFQITTP IYYVNDKPHIGHAYTSTACDVLARFMRLSGREVVFFLSGT
DEHGQKVEQSAEKRGIPPEFVDEVSVSFTLELDLLEITNDK FIRTTEDAHKESVQHLWK
SLVDKGYIYKGTYSGWYSVRDECFYNESELVDGKAPTGA E VEWAKEESYFFKLSAFEK
LMEYYDANPDFIAPKTRRNEVTA FVEGGLRDL SISRSTFSWGVVPDDDEHIMYVWMDAL
TNYISALGYPNTDAESEYSKYWPAALHVVGKDILRFHAVYWP AFLMAADLPLPKRIFAHG
WWTKDGEKISKSLGNVIDPVDLVEKYGVDQTRFFLMAETNFGSDGDFSDNSMILKVNNL
ANELGNLCQRTLSMVFKNCGKASPTPGDFTEEDEALLASARGLHERCAA AVSEQKIQGYA
NELIQMVWDANKYIDTMAPWVLRKTDEERMATVLYVIMEVLRHVAILYQPIIPGSAGKIL
DLLSVPEDQRSFEHLEGDEYKIKPETPISKPOGVFPRIEVP ELVES
>comp11779_c0_seq1; 540 85 1269 LEN=1379; translated
MSDSATKTKDPLLTAYATIAI VWGASQFVLVPYVVHLLVLTAILYVACHSSLV LREEV
PKEGEEGYDPDAPAKETLNTEDAMQFP IMGSCSLFGLYLAFKFLGEDLVNLLIGGYFALV
GVGALALTFSPVLDNIAPKSMNEYKMGFRKKI PHPLPAWILSEDFEIGLELTATDTVSIL
LAAGVVFLYFQKKY WALNNVLGICFCLOGIERLSLGT YKIGAILLVGLFFYDIFVWVFGTD
VMVTVAKNLDGPIKLLFPRSLPLDDTGKIELSLLGLGDIVIPGFFLSLLLRFDAENAKM
PTDKVDVYEA FPKPYFYSAMIA YVMGLGVTLFVMIYFQAAQPALLYLVPA CLGSSFLCAI
VRGEVSLLLAYSEEEEEPEEGETSKTEEDK KKKD
>comp11781_c0_seq1; 140 231 470 LEN=741; translated
MGGGWFFYVPKVWTPYGGWVWVNPQWKRNTAMGGLAIATIMTCLFKVSASRERRPIAPYK
KIPSQSWCKFAKEDDPRLR
>comp11782_c0_seq1; 724 124 2479 LEN=2479; translated
MTRYHPNDVTE SREGDEVCRGDKWNYEKQDRDGPNGMSGPERLYSCGRENENKYRWQADS
ESSDDAIEFTKERYNVRKHRCYESSTASISTTTTANPLARPRFRRYANQKAEQKVNIEDV
ASDLSLGFQQLNFSRSLSSSYISLAGESESDDDCGVSSSKSIEPSGENINNREKETSEIE
TAFFQLLSWDERQNPEISSDSIEGDKTGVDRSYDAGDEHSTFTRKFENSEDKNFMKDTEP
TFFQLLSWDEEKVSENSD L LNRVSKSDSNLRRHMSEEDTLNLSIPSRNQEYSDCLCRA
EERTEPSIDAATLGRNEAEVDVPAESFWTSGTNDSPRCQKDGETNGVVSNSGKSMNEEI
TSTSVSLTNQEH LIQSNKAEERTKLAVHVSQPSLLSQTSESKTLDGVEKFSSVARSR IHT
KNDSP LCKGVQFFSSCHIPNIQS QDSEYSHSKTMTTYSSHEESQIISIHRYSDDLTEGND
TITTEVDGDKRFKSLASKWKGRKNM TSNAPLSIDKSMKEKYNQSVRRVTD SNNSIERKD
ALSFKMESDKRIQTLASKWTEGGERMSSAMPLLIETSMIESTKQSERRADNAREGRSPDP

KSI AVYSDTELT SNKQQLG TKNKNEKLS PDEKINGR DSTSLIRQDTIGKQDFAKTRDNV
GKVRTKSARTNKQKEQLFGIDCVVHQSF CPSDEEPNDVENVETVEKSTSDKNEGVVEYSP
KYDESITKATIASCSTTKKTKAPAIKELMKRIDACGSNDQYIDNLLSNIDCIVHRLIKEG
KLPGN

>comp11783_c0_seq1; 509 232 1992 LEN=2441; translated
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INEEMHGVLN LAP EESPEMIASAVHRLSLDIAAIEHKPAFDRSQKWN YLSAPGGIDFSWK
VSSYNK KSLATGMLSTYVNTLDFRLRFLRAELFDTKKA AVRIVKYLEMKMDLYDNNEELL
RRPVLLSD LNSKEEKEYIKLGNHQ LLPFRDRSGRRV VSMIPDVSGNAPSVRFRVCFPRFE
CNRTDIIFRIVMFVPI DSYXFLINLEIIDFCKSFGITLILDLFFSQGKIFLYLWVWASDN
EETQKRGVV LVIW PQIPEESPRRKP YVPPSEGP AWLNFIESVPVRILAFHFCNNRAAGN
VLKLVFHYVGSVL IKQRIRMKIHTGDRTEISYQLLGYGIPVDLLPLTVSGNIKTKNLLQW
LKVRKVMEDSKYIDENGVGMPVPNSFFNDNIECPGLNDVIFRSGKNHMSHPGNVMFQGLI
ESRHDEHSVAHQDDKAVITWWVMEQVELKGRFLEWNNQGMWSQIPDRTHIRSKVSSSFRTFR
RKLNAFKNSQLNESSTSKFEQQDGNKRRKVEDGAF CNPTEMMF

>comp11783_c0_seq2; 609 232 1833 LEN=2282; translated
MPFAFDSL RQMAPPDIVGSKGSSKKGFGFGG AIDL SGKEKHLDDLIAQDFNELSFHDRNA
INEEMHGVLN LAP EESPEMIASAVHRLSLDIAAIEHKPAFDRSQKWN YLSAPGGIDFSWK
VSSYNK KSLATGMLSTYVNTLDFRLRFLRAELFDTKKA AVRIVKYLEMKMDLYDNNEELL
RRPVLLSD LNSKEEKEYIKLGNHQ LLPFRDRSGRRV VSMIPDVSGNAPSVRFRGKIFLYL
WVWASDNEETQKRGVV LVIW PQIPEESPRRKP YVPPSEGP AWLNFIESVPVRILAFHFC
NNRAAGNVLKLVFHYVGSVL IKQRIRMKIHTGDRTEISYQLLGYGIPVDLLPLTVSGNIK
TKNLLQWLKVRKVMEDSKYIDENGVGMPVPNSFFNDNIECPGLNDVIFRSGKNHMSHPGN
VMFQGLIESRHDEHSVAHQDDKAVITWWVMEQVELKGRFLEWNNQGMWSQIPDRTHIRSK
VSSSFRTFRRKLNAFKNSQLNESSTSKFEQQDGNKRRKVEDGAF CNPTEMMF

>comp11783_c0_seq3; 457 232 2116 LEN=2565; translated
MPFAFDSL RQMAPPDIVGSKGSSKKGFGFGG AIDL SGKEKHLDDLIAQDFNELSFHDRNA
INEEMHGVLN LAP EESPEMIASAVHRLSLDIAAIEHKPAFDRSQKWN YLSAPGGIDFSWK
VSSYNK KSLATGMLSTYVNTLDFRLRFLRAELFDTKKA AVRIVKYLEMKMDLYDNNEELL
RRPVLLSD LNSKEEKEYIKLGNHQ LLPFRDRSGRRV VSMIPDVSGNAPSVRFRVCFPRFE
CNRTDIIFRIVMFVPI DSYXFLINLEIIDFCKSFGITLILDLFFSQGKIFLYLWVWASDN
EETQKRGVV LVIW PQIPEESPRRKP YVPPSEGP AWLNFIESVPVRILAFHFCNNRAAGN
VLKLVFHYVGSVL IKQRIRMKIHTGMHFFPRDNLD CYSLVAEAFASNLTRLILISCCIAV
VCRFTGDRTEISYQLLGYGIPVDLLPLTVSGNIKTKNLLQWLKVRKVMEDSKYIDENGVG
MPVPNSFFNDNIECPGLNDVIFRSGKNHMSHPGNVMFQGLIESRHDEHSVAHQDDKAVIT
WWVMEQVELKGRFLEWNNQGMWSQIPDRTHIRSKVSSSFRTFRRKLNAFKNSQLNESST
SKFEQQDGNKRRKVEDGAF CNPTEMMF

>comp11783_c0_seq4; 557 232 1957 LEN=2406; translated
MPFAFDSL RQMAPPDIVGSKGSSKKGFGFGG AIDL SGKEKHLDDLIAQDFNELSFHDRNA
INEEMHGVLN LAP EESPEMIASAVHRLSLDIAAIEHKPAFDRSQKWN YLSAPGGIDFSWK
VSSYNK KSLATGMLSTYVNTLDFRLRFLRAELFDTKKA AVRIVKYLEMKMDLYDNNEELL
RRPVLLSD LNSKEEKEYIKLGNHQ LLPFRDRSGRRV VSMIPDVSGNAPSVRFRGKIFLYL
WVWASDNEETQKRGVV LVIW PQIPEESPRRKP YVPPSEGP AWLNFIESVPVRILAFHFC
NNRAAGNVLKLVFHYVGSVL IKQRIRMKIHTGMHFFPRDNLD CYSLVAEAFASNLTRLIL
ISCCIAVVCRFTGDRTEISYQLLGYGIPVDLLPLTVSGNIKTKNLLQWLKVRKVMEDSKY
IDENGVGMPVPNSFFNDNIECPGLNDVIFRSGKNHMSHPGNVMFQGLIESRHDEHSVAHQ
DDKAVITWWVMEQVELKGRFLEWNNQGMWSQIPDRTHIRSKVSSSFRTFRRKLNAFKNS
QLNESSTSKFEQQDGNKRRKVEDGAF CNPTEMMF

>comp11785_c0_seq1; 352 608 1324 LEN=1324; translated
MSTLTVSMLS NKYGYPLLP LLSERGHQNDTSSDGD DDDVDDGD DDDYDGSNYIYNRQRDA
IVGNTPKSPALIPNTSDTATAAGAGASND DGNDEGRAGNSGSNISTFEPTSQIRHSVRF S
TAEYRYYPITIGDNPSVTRGVPTIGWHFWKEATQVVPVETLASENDEEDDHDHDFDFHYEN
NCDCDCDDWDDDDYDDDDDDRDNFDDDDDDGSSYSGDSSTVSDVGQNRSTSNSASASASA

>comp11786_c0_seq1; 191 153 692 LEN=747; translated
MIKGIIIVNNHGK PRLVKFYQAVESEQVQQSVIRR VFSQVTSRPDTFCNYLEGVVPEWGE
NVKLIYRNYATLYFIFA VDAQESDLGILD LIQVFVEALDKCFENVCELDLIFHSDRIHYV
LDEIVMGMVLETNISSVLQSIKDQGR LAVDSLKTTDDNETQNRKIREQLGDKAFNYNW

>comp11786_c0_seq2; 149 153 587 LEN=857; translated
MIKGIIIVNNHGK PRLVKFYQAVESEQVQQSVIRR VFSQVTSRPDTFCNYLEGVVPEWGE
NVKLIYRNYATLYFIFA VDAQESDLGILD LIQVFVEALDKCFENVCELDLIFHSDRIHYV

LDEIVMGGMVLETNISSVLQSIKE

>comp11787_c0_seq1; 216 135 665 LEN=709; translated
MRFRSLRIDYRAEAEI EVLREERQLRQQRKQERRRDNDGNKRCDDSSISISHQSRPRKKRR
VIRIFHEALEPKPEQRWHKPEQERDRNDNKKEAVLRPLPFWISTQVNNNSDKDSLAVSDTK
TDTNHYPKKINDNDYEHNEYEHDDDTTMVNVNRDNCVKFCPTIRNYNDDCAVSACFI

>comp11787_c0_seq2; 1077 135 3881 LEN=4240; translated
MRFRSLRIDYRAEAEI EVLREERQLRQQRKQERRRDNDGNKRCDDSSISISHQSRPRKKRR
VIRIFHEALEPKPEQRWHKPEQERDRNDNKKEAVLRPLPFWISTQVNNNSDKDSLAVSDTK
TDTNHYPKKINDNDYEHNEYEHDDDTTMVNVNRDNCVKFCPTIRNYNDDCATSDIDNLSIK
NNQKEDRPYVVGTTGNTYATSITAATSIGKSHYPHPVQHKINYRIFYNTPWLLSLVSSIRR
QANRRRIASYPAGDDDDNRRSYLYPRHRCRRSMEYESLTNESFFNFYRRIQQWTIDRSIL
LTSYERNTKLFDKKLSIRSRLHTFCERHSTRPGSSSSSSCRYSGAILLPPNINNALKNGSH
AYTIGSKRPRWEDWKQELGVVTTFRNTIAGSETLDGVSVPGEDNCDGGNLCSNWRYLNSR
REQNPLVTKMNSSSPLLSPSPHPSPPELWKTAMMTVQAICTYQKQVLQKHALHRRREES
PNTHAAFSEAEGTRHRTPLIHKVPASTGSENI SAREQTTLRLSPNGNRGRRGECKQQQLQ
TMVQWKQIDRTDCTINDEKRSPSPLGKWEEQITTPATVAPTIAWKWPFDNSILFLSAPN
WQENVVFGDRNCHEEEKKTREPAVALNFSDDVEYIDSDDYEQNGGKNSKPNAAEGLLD
EKPLVMGEKYTERRPRTSSSEHYQGFTNNSTTENSACIACNGDEKEELSNIQEHHTVKAK
EKELTLLQRFGLVAENNIGGNYSATKNETTIARKPSPKHNTAVDDRINDDADNNANAHCQ
TPRCNKDMEIPPSDFNDETS PFEPVCSQYEEEDDRDENIASSKRGRLEHHSSSPTLE
RTSRRDPEIKNRQKRRKRRRTKEEKKMLRKEKRAEKRRNKGEKNSKPQHKHMRQDVAKK
SSEKLGKNGLMKANKREDSEIEIEELET PKKLEDITPEQITARQRNPEHVLDGNTLYKDN
NFTSPLRKTQFSDLQGATGKNSKLFRT PQMGLNGDNSDKDITGDASNDPFYVSP EIEH
ITESCDINDRMGISNSDITEVAANNNSPVRVLCSETFFENFGEVIAELARGIFDGIQSM
NMP IHFTDTYLMDCGVDIETPFRGAI VVSTLSQIQTS GPNGLLQNF LPKIVELVSTSR
YRHITIFLCIDTKLDTDTSQDILRLQTAFLCDAEYSAERTTTSIQLT SRACLAACIAKNIV
WNRSRFDSNSHF SAMSMDH WLS DQRACQRLKFLMNI IPTLSVTGALHW

>comp11787_c0_seq3; 1008 135 3716 LEN=4075; translated
MRFRSLRIDYRAEAEI EVLREERQLRQQRKQERRRDNDGNKRCDDSSISISHQSRPRKKRR
VIRIFHEALEPKPEQRWHKPEQERDRNDNKKEAVLRPLPFWISTQVNNNSDKDSLATS
DIDNLSIKNNQKEDRPYVVGTTGNTYATSITAATSIGKSHYPHPVQHKINYRIFYNTPWLLSLV
SSIRRQANRRRIASYPAGDDDDNRRSYLYPRHRCRRSMEYESLTNESFFNFYRRIQQWTI
DRSILLTSYERNTKLFDKKLSIRSRLHTFCERHSTRPGSSSSSSCRYSGAILLPPNINNAL
KNGSHAYTIGSKRPRWEDWKQELGVVTTFRNTIAGSETLDGVSVPGEDNCDGGNLCSNWR
YLNSRREQNPLVTKMNSSSPLLSPSPHPSPPELWKTAMMTVQAICTYQKQVLQKHALHRR
EESESPNTHAAFSEAEGTRHRTPLIHKVPASTGSENI SAREQTTLRLSPNGNRGRRGECK
QQQLQNTMVQWKQIDRTDCTINDEKRSPSPLGKWEEQITTPATVAPTIAWKWPFDNSILF
LSAPNWQENVVFGDRNCHEEEKKTREPAVALNFSDDVEYIDSDDYEQNGGKNSKPNAAE
EGLLDEKPLVMGEKYTERRPRTSSSEHYQGFTNNSTTENSACIACNGDEKEELSNIQEHHT
TVKAKEKELTLLQRFGLVAENNIGGNYSATKNETTIARKPSPKHNTAVDDRINDDADNNA
NAHCQTPRCNKDMEIPPSDFNDETS PFEPVCSQYEEEDDRDENIASSKRGRLEHHSS
SPTLERTSRRDPEIKNRQKRRKRRRTKEEKKMLRKEKRAEKRRNKGEKNSKPQHKHMRQ
DVAKKSSEKLGKNGLMKANKREDSEIEIEELET PKKLEDITPEQITARQRNPEHVLDGNT
LYKDNFTSPLRKTQFSDLQGATGKNSKLFRT PQMGLNGDNSDKDITGDASNDPFYVSP
EIEHITESCDINDRMGISNSDITEVAANNNSPVRVLCSETFFENFGEVIAELARGIFDGI
IQSMENMP IHFTDTYLMDCGVDIETPFRGAI VVSTLSQIQTS GPNGLLQNF LPKIVELV
STSRYRHITIFLCIDTKLDTDTSQDILRLQTAFLCDAEYSAERTTTSIQLT SRACLAACI
AKNIVWNRSRFDSNSHF SAMSMDH WLS DQRACQRLKFLMNI IPTLSVTGALHW

>comp11788_c0_seq1; 207 292 801 LEN=1172; translated
MALSCSAAPIVRPLLAGAARGTLFRASAPVFRWAGRAAAPSANPPAGFAPGQWPQTARS
FASFLPPDPKGSSSLCPKKVTARLNEFQDLFVEARL CIDDAKDSVGT VYFEEDSEEAREAV
EAAIECFETLVGEISDADEKNRVLRSNGLKVEQLRGELEMTLGEHDDHH

>comp11788_c0_seq2; 221 312 821 LEN=1192; translated
MALSCSAAPIVRPLLAGAARWTLFRASAPVFRWAGRAAAPSANPPAGFAPGQWPQTARS
FASFLPPDPKGSSSLCPKKVTARLNEFQDLFVEARL CIDDAKDSVGT VYFEEDSEEAREAV
EAAIECFETLVGEISDADEKNRVLRSNGLKVEQLRGELEMTLGEHDDHH

>comp11789_c0_seq2; 197 579 1152 LEN=1152; minus strand; translated
MWRLSAGRITVATASGAGARVVGRCR SRARVFSATGTEASALRDRRRSSGPHRSFHGTH
HRLFAIDPTVATRGVADPEPDDIPDLLDHRFRSLDDGYDDDYGYDYERQQQEEDERERE
AYRLRQEGINDELDRKVGPRWPDPWEISEDQWTATDTGPD SIPDWSPSFVSR IAQERLRV

RINWRQDGGHHPKEI ILETLMPNISWLNDDSQRWKEIKLAIARDFHMKRNRNDKPLEI
PTDIVLPKETRQLGERVRRKKLYEPVKRTEVFSERASSKQEEGIRQQEGDLPIDSKTFAG
KEISNYSKQDCLDKIIQTKQQYQKTELRSVSGAVSEQMHTNEDKKQQSLKRKRDPQIHT
KASFEIASQTISEQHHFEIEEELQQRNLKRPRSLNFKATIGTKSDTLSQSANSRPNDLR
SSFSKVSNQNKYSIDGSDSLQSTVKISQNTGRVSPEGTTTEKMRIEQKQRSYIECHRIN
SDNKYGTNNEDEMIRILKESSVRTTSLEISVNTIGSSNESGPSTRTRFRKLHKKWGYSGV
TLRVAPSDPSNPWEARCGRPQVVSGLGSAVIGRFKSREEAARAVDAALRQYGGVKDLQFL
NFPTPEELRLMKSNTPNHCEGARQS IETLRQNLVKYKVKGMRYCKSETERDVTKGRDEI
LRTDVGTDGIVQLNDIAKGTKQNKNRKHNKILTSVETTSIAGVDSRKKTQRENSKQKEN
KILNSPLITSVGTVVTGLSRKQNR IENIKPTEKIVSSTKEKKNKTVSSAGTAIIGTPRKG
SPLSTQNDKQVTSAAATSNIGSIAGPSREHAQKGNVQIEKKPHSISGTAIVGATEDDSSQ
EQNQIGNSRQKDRSMSATNASIEEGSARKQTQNKASRPENKPLPSTRSTSSAVSQADSY
RKSTTAKPGKSI STVTAGDRIAFEFNSGVYFGEIKECDTNHGCRSKWRWQVLFDDGEVYE
FDVNDMRKSI ALHKRILEKEVNNWKYNVGNLCVGDRIAYMFGNGVHFGAIAKACKASDKPE
KKRAWTVLFDGDVEEFDYKMKKSMAVCNEIRATEQFTNESNKDLNQNSHCRDSSHGEE
KNTVNDKREEKLLKLLKDFMAQKEKIERQLPERVKKRFFKVGFAQWEQRYLPVLFPGPY
DISPGAIRKQWLRTFNRAIEDDIPQIVFWFGSDVDDGFSILPEAYCLSFKAAKTKGLVA
MKGNGSLARDYNKSLANLFAALKKPIGPGRLPFKKLEKHER

>comp11796_c0_seq1; 474 302 1393 LEN=1585; translated
MMHGRLGRYLLLAIAFSTTVLFGCITTTDASSSSSSSIPRSTDRVGHLHGHPWNPS
SNIDENGFLLPKYHRVSGEWEKEVKLRKKDRISLHNSPATIRQVPGDGNCLFHSISVAWA
HATNGTHLEMTSPDTMEWLYRNSAKLRQLAVDCEERRKLLFLQGHEYLKATDLVEAAAA
QYGISGCEYCDLMRQESYWGGEPEIVALCNVLRPIHVYELHVPEDKEDKQNHRSRKAR
ARSFYGKGYCDSPSSSFVLRMACFGSPKFDRA PALHILSADSRFPDVRPGEQLESNHF
LAIFPELLPEKRKSLTEEEEEEEKQLIRGGGGSTNREQSRPLDADTVSSSRPGWFRKP
STR

>comp11797_c0_seq1; 465 448 2337 LEN=2693; translated
MAFDVAHPQQRSHSRLAALSCGTKICQSQYRFKPTIKPFPIDGHSNTKTTGKSISTRFL
SDCASFNQDPEDVQNSENEEMESHNDYSVTITKDGQAICISSFCRNLCGDGRESSEDSWE
FASSLLWVNDPQYIHTSSGQRLRTLQYSRGFEILRARLLFVDTDSDSFDGADCADSSSTS
LHPAPPRGSMHSRGGLYDIASDCLEKTKDKGRTLVLQLEWNYGEESIFDLVWLDHARNNC
LGQDISSKSKSAIKTIQVRSESRKRPCERFSLSTAVSKEIAIGAMDNPRSTPVSSFYDYE
ILENDEVLFEGMQDVFEAGVILIRNAPDLVKTKNERRTGYSSEDEVESSRMSESIVGNLG
RRFSGGTL SHGSLYGDIFHVQSKHDPENIAYTNVALPPHQDLTYYESKPFLLHLCATNS
RDDSNYIVGGESILIDGLAAAEELRRICPEIFDVLLKTEATFVKERHDADMVSPKPHVV
DPTYGQVVEVNWSPPEFEGPLQMNPRVAVEDYILAYQAFERIVDDNHGDTNSHSSLLSQPL
ERVLGDYAKEYTWEYAMREGEILVFNNQRMHLGRRSFRSVGTVQRHLIGCYTDALETSSR
YRQLLRDRERKNGGGYGRNRTGSGCRWM

>comp11798_c0_seq1; 269 127 624 LEN=771; translated
MNFFKKNLLSILFVFSITFFYPNGVDAQSSSKSDDVDPKKILEKVVSTAREQYNGLPDQG
KFATGAVVGFTTSKVVVNSAVKFKVAGAAFVATEVLEAVGVLDNRNTAESESESTENLKRK
AISKIGEIRTSIRRRLDGKNIKRWMETDRMGLGAAAGAFVGFLL

>comp11798_c1_seq1; 468 281 1516 LEN=1754; translated
MTGSKRKRRTVGN SIDDEDVSAEAGHKAENEESTSKLKADTEQGVDREDESGMKPVKLEQ
VSEENGTQNEEDSIKPEQPLWKRKRKKKEFLVDEEEEAAPT YTRRTEKGGYSHTNLSKS
RISKANKGNKPWNFGKRRSSADRAKIAAGVRARNRTILLQKHLKHLGMTEEEYLIKKEIK
YLRERVRAKLANGKHLDKKIEQKLQEAIDATNLKNIVLSDENGTNAKNTNKTGQETKSD
SQNSEVKEESGEGNKEKEIGGIFSKEIWRPFSFENNSSYDQACPEGGPGGLICSSCS
IKFNKLLTRTSEDIETYRMNKEAEVETETLNFLEKKTVLKEAVNSAKMKVPPLPPGSG
RLGLRQDAASSSRMNGNRRTNIKFNPE SHGGWNLTS SIDLGF TGGFASV

>comp11799_c0_seq2; 185 1 649 LEN=842; translated
XNNNNNNKHKKVQVQVQKQKQKQPTDMVRYPNQFDIHIEDLTMSRHDL LFS SCVKNGL
RGLVLRVVKDRGIRSN SIRITSIDILPNGKISCTGEAKTHFASAPPVNFVRSGISYSNR
GHVLTFFPGLVSLNSDIGLFPVHPTLDLDVGHNTKFRSIVIDGRKKRVKIAASVTITPD
RTRLMTQDYVQTSEAFAAIFFYDVGQWLTRLGRFSK

>comp11800_c0_seq1; 304 97 973 LEN=1067; translated
MWLSTNKKSKTGKNSSLISNGASGGDWRTTLPLDWTRMKRDRQGFDDGAGMGRHRGST
RPRGSDNNGSGDGDGNSDAGRKIEGRAIFCLHDNDPDWIQGYFVAKGSTKPGMLVTR
EVDDCMACCAGGYRRLSLTVYNRHRKGGAI GRKRKRP GPESSGSEEDNNENLSGAKREK
PLRIRGVEWTGGDMMALYHPDYVDMKGELLLTGKRALPVLHRYFQNL IHRLEKEFCVEEC

SSVLDWLPDVAIVTGPMSLALHQNEIPKELTAQDPVLTINSINDYPLLYMV
>comp11800_c0_seq2; 260 97 843 LEN=1196; translated
MWLSTNKKSKTGKNSSLISNGASGGDWRITLPLDWTRMKRDRQGFDDGAGMGRHRGST
RPRGSPDNNGSGDGDGNSDAGRKIEGRAIFCLHDNDPDWIQGYFVAKGSTKPGWMLVTRE
EVDDCMACCAGGYRRLSLTVYNRHRKGGAIKRKRKRPPESSGSEEDNENLSGAKREK
PLRIRGVEWTGGDMMALYHPDYVDMKGELLLTVRRTTIVCLFVMIGQIAWNARCIAGLEV
TNAKFSS

>comp11801_c0_seq1; 600 244 1902 LEN=1902; translated
MAVVEPSSPSTAFSWRQEKTLPTPKKSHGIPPAKFHLKQHQEGHAIDSHGNGDESSSLRD
MKETSVPWEKERTERNLLIQEQKSFKELEDMRKGFRRITQLKTWPLQDMAMDHLDHLLG
INASYQFHGGDYLSAESSSSVSSVESKPRKTTTTMIKTLTTSTSDNPTADDSNKKTQSQ
EIRGGYHDFGEQSASDAVEESIDNQKQQRSPWSLEPRIFATEKGAGKRKYLVGQFGRIA
DWYWRKTEPTSRHLYEVIREGTPCRLYFDLEFSRAHNPSVPTTQLLHELEDELATELQMH
YGTFFLPRLKSSQIVNLDSSNEKKFSRHWIVHLFQEPGEGKHKSTTYKQEEEEFLFKDAPT
VGRFIKRMVGRRLADDIGVEGGDFSKRPPALYKYL FVMNKDEGKRTCFIDLGVYTRNRLFR
CFGSSKKGKTSTLQAVLSERVEPNVEYVAKDVEGSNKLTDTATERHYFPLSIPPKKEVSA
SQSSRIQSFDDFIVANDWEPHAQALADSLVPLKQGPQLLASTIGEDNSNNLIKILDVEE
GSYGSTSVSGFLD

>comp11802_c0_seq1; 1299 1 3138 LEN=3275; translated
KKYIFVLVGTVVVYFTEQSEGLIELYNMEQPQRNLSKQHGNLLLLAVAVLALASTTNV
QAFSTPSWTKKAATTSRLHSSVGVTSNDASLSSAVGISERAFRRELGSQENLMLPRQYGV
NADVVFPSMNHVSCATLTKDSAIPSAALKHAISKVMEAHPLLRATVEGDGEPDERIDLF
KMVRKGDNPCTFAANESDLEACDVLRLINVEGGADELEASWRASFESDLDDGSTWCNVQ
GKSTPLWKLELHRSSGDGGAALLS FNHAISDQSSASKLTDQILALASDYDQNKSEVSKT
PAKQAI PPSLEESVLGTGNRFKDIQAGGFLGTIRYIAGKALEEAKAPVILPDDAFNSQG
GGLMGALTTISGNAAGDDSKSGERTSALAFRSLSKETTEQLLGACRKNVTITNALSAA
STLVATDFVGNESNKERNYKVLQSLDMRRFGARLDKGEVSGCLAGSMDLMHGPLPDGSG
RALLLDPSSSEKLDLRFWELAREGKQQTENFVSDSDGPVHAVRVDFAMTISDLNNLVHLTAQ
SKDSQGRAYSAGFTNAGVYERLDAFELEEEGTAKTSTQHGYKIDDIYYAASNARSGSLY
RFSCITVNGEMKFTFHPATP IVSEETNQKFADALLDVLRVVS GSDEELVSKTATANDSSP
SGGDNNGNGDGPLGFLPKNSLVAAAAIGSVAVLSHAGAYADFYSSI QEMKANVEDPADF
SAALNFWIFFAVGHPI LQPI LWISDVLHGSPGPMVGD LVPLTFILGNVVAIAAIT YIAEI
RNAVNVA AVFAFFAYI GAGLDGQAGMGDFNLQIDDSYKQGI VKGCPAYEEVRQPSMNFDF
LEKYQGLWYEQKFHDWTQFKEVYD TTDIKLTDGGRGWIDDFAVKGPAPDSAPLSWDKSP
VANGAHYFLFGRVDPNDPKGILREKGFVFEFNYIVDVKKDPETGEYKEA IQFQCLERGG
VRVFEGINFMSRNPTMTDSELDAMHKRAEQAGMYPYGASPEQMHRVATRPIDAPPIDNSW
QAMWRFIGVDKLELLELLETSIEDGGR

>comp11803_c0_seq1; 1372 192 4589 LEN=4830; translated
MTTQANALDKTFHLLVESSIHDVSEDDNSVYSYDYAENRQISAAERQALCEQLLAEKLT
TQSREPKRHSSAQNNRSDSTLENDNRSIRDLFPNTKVYD LPSVLNPLLNDRVDTECLL
PGTQDETANEEILSESTKAAFSLTLP SMQAGRLYAHLLNRP GALGSGLVLDLEPLTALLAL
VRRWTV ECCGREQFALVSSSGSSSTFDSMTYSPSKSPPQKR SRRGSRSNRMMKSRHDNFE
DGENNSEEQQIHNVLAMGTLVAAEICQIPQQEPEFASWSSESREVLIEATLVSIGTVAALL
GKKRNTIDTSFDDKRDNNRDNLLQKMIISQGOQAFEQCLV VNEKEDQENDDPQRQQQHQ
QQCHETAIIILRGLMHLQLKVVLPNGERGKIEAFTAASKIMSSLMRKC NLAWVASKEKC
DSSLKNKTPSRVRRSSIGGV LKIQT PRSTISKSRRKSLDGGSTPMVSPVLK KKHNNEN
RGLPSGTINGVSKVNDKPRGIQAI FLGLLQKLT TGRVGL EKAALRRSTVDTIQSCMKWLP
HAERSHFLEYIIKICHSKVSVHRLVACEIMGNVLFQDWIAEHENDLI SKDDYDDRSFYDT
NEEKETGDKNTGIQLPQALWKALQGR LMDRIA AAVRASAANSLENVMTEIQKNDKISVCYN
KGESLLIALRKRAIKDETSTVRKAAVLA LTKVLLAQKEYISSYYISAICDL CQDSSLLTR
RAAAEALTTLLKACISPHQNDASIDLTEDLYDVGLIEEAWSTCVLPMVLEETSITARNA
FHKVVILP IVEEDDINGTQKKQVAWRILANVGNLTCRQGASKGAFQALQTALSHL GREDP
NLIHIELFEIVTYMASSTLSQSDHHSEVNAVGVWSLLEALLCIDYNGTRKSFRTSKIDL
SFCLSAWKVMI EKHSMPKSAPHRSTL KSSLVLSKIANTFASTDSDDILLTLNQHLLGF
QFPDALGPAISAMTELTKR TKSGENSNE SWIKGIFSESEKEIKRFVQDANADSSVTEFR
KPKLLRALFSVGEASMI GFKLD DDGSSPTPLFLKPSKRLKELVQIIVSGHLP GAAKPRIS
SAIRAHAF TVLGKFLRDEDLARQSLT LFARELHPSLPNPSQVSQSNALLVMGDL CVRYT
NMTDRYLPTMASCLQNGCTSDI SVLERS SVVRKHAVL LLSLLLQDYIKWRGLLFHRFLV
ACSDDEEVAVLAESVLSGPLMVRNPKIFFNHFVESIFVLNRCVAHP IYVSATRQGDGGS
GIAVGF DGINLDGKEGEARRRNM YNFFLLSKLTDEEKIGVTARLAKEVLGEAVGNEGDL SQ

VCKRLSPPESSSPRLKSAWNVLSDTLYVLTNKS IKVGRVQDEVDGGIDDPNQVVPNSRQ
VNVAKTRLLSKISLKHMV EIVLPILCNLKVKLQASRSPLKELMAYLLEIFRNHKKVEVKE
FLANDPTLLQEI EYDSRKHASNSEV
>comp11804_c0_seq1; 246 143 622 LEN=712; translated
MVSPA VTCCE DNGGTYQIVNASDGLGICSKDGIHTK DITFMEENCPSPTASPSTESSQK
ARYAVYAVNNCDAEVRADFVLKRS AHGGTRTSHVEVKEGEC SYVGPTDQETVHYTSEGSY
VSGGND SCKIIGDSQNSDCKLLGIATNACVINLCAKQYN
>comp11805_c0_seq1; 389 1 1836 LEN=1843; translated
RSVSTALLLAIGSNARNHRVFPAAQTESYNPENIPPV LGLVYSNNITFAVSI SSGSGSNRY
SKKRPTVSTAEIEDFLHPAILRFK KSLTRFPDFKEDYIVNPLDLPLLPQPVEIIVESPD
VKLYNGVPEDYNISITTASSR IYGSNDRYVVVTLKTSTVFGVLR ALETGQLIEFGWMD
DSQHSEALSNDISGGDTTAHGVFCIKDIPLFIFDKPSFPYRGLMIDTSRHYLPLNLILEN
LDAMEMNKLNVLHWHISDTQSFYAPKTMPELAEKGAYHPKRIYTLRDVQTI IREAYLRG
IRVIPEIDMPGHNTNAIAKSHPEVMSHC PHPSEP INPTVPE TFDVFKAVYEDLNEVFPDDF
IHLGGDEVQLSEHCWLKDP SIVKWMKD HGMNRNRTVELYEYFETRL FQTI AKLSKTPIVWQ
EVFNLNLTIPQNTIIDVWKGF DKYTIQ NATNQNRVILSGCWYLDH LGDSWLTY YKCDPR
NFTGANKDLMIGGHAS MWGEHVDASNFVSRVWPRASAVAERLWHGNVTQSGAVDTIADRI
HDFRCRMVLQGFAAGPTGPGVCPT EVAYRSHLDECSFDS SRRNCLKGAANLSSV FSSIET
KNHRMRREERR
>comp11805_c0_seq2; 324 1 1422 LEN=1422; translated
RSVSTALLLAIGSNARNHRVFPAAQTESYNPENIPPV LGLVYSNNITFAVSI SSGSGSNRY
SKKRPTVSTAEIEDFLHPAILRFK KSLTRFPDFKEDYIVNPLDLPLLPQPVEIIVESPD
VKLYNGVPEDYNISITTASSR IYGSNDRYVVVTLKTSTVFGVLR ALETGQLIEFGWMD
DSQHSEALSNDISGGDTTAHGVFCIKDIPLFIFDKPSFPYRGLMIDTSRHYLPLNLILEN
LDAMEMNKLNVLHWHISDTQSFYAPKTMPELAEKGAYHPKRIYTLRDVQTI IREAYLRG
IRVIPEIDMPGHNTNAIAKSHPEVMSHC PHPSEP INPTVPE TFDVFKAVYEDLNEVFPDDF
IHLGGDEVQLSEHCWLKDP SIVKWMKD HGMNRNRTVELYEYFETRL FQTI AKLSKTPIVWQ
EVFNLNLTIPQNTIIDVWKGF DKYTIQ NATNQNRVILSGCWYLDH LGDSWLTY
>comp11806_c0_seq1; 502 282 1379 LEN=1720; minus strand; translated
MTTGTGIGPRRRTIRNNRLRFLGVVIVV GALGPF FARPVLPVRAFSSSSSSPSSITSRT
DSNGFGGAINAGNDIDNAKPTIRVVPMAVSAPDHDSSG SNDGGDPPVLT KDVAGLADLRY
DEWSSSMRPPPSRYAFRMATAEIAAERAEAGAVTFLARQHTRARESGGAI VGAAELSPI
EFEGTQPCRGEADPRPNDQNHVSLYVTDVVTSSKHRRMGIANRLMDALEHYAYETFASGK
GKESENE NDTSVVTLYLHVKPDNPSARSFYANPERGYGEP PSTLPFD TALLEDNAGIETG
KQILLCKTLTRATHREAAVRLERQLASSPRGNGSETTTTTSAQGF GGGFGGSNHKAKKKP
KRKKR
>comp11807_c0_seq1; 482 51 1250 LEN=1273; translated
MASINVSRNLLAPGIKSF RSFVQSELNLRQTPILLISSEVGASSPNLKP VADSCQWVRF
TLGQQFGMRTVPTTISSAFPTKDSL DQTELMQRTGASSVSVSGAAMD LAKAVATTVQ
ADQEKEIPLILIPGTYGGLLSAGASHSLFLDGD EDTLVPLPHRHQKITATVDGTNDNSSK
CAATVATLDSQK YMEHLDEEKFDVLLHAVSAIILDAGSRKSMQP SLPNLLQATIDLIALR
NSPEWDKKGKLM EAI PSLSSLLYQSAGLISYGLSDGFEEEDRSITIALGSSLIPTLFPE
THPLSFLASLVPGLCHYYSLQDENATTGGNDRVRANFR TLVQQ LQERPSPLETKDES LQ
GFSVPDMAVSQIQANQTVWKP SDVSDVLLQVLQHSLEH
>comp11808_c0_seq1; 323 1 1265 LEN=1265; translated
TTAKTRYLEEAMSADSQLGQS QKDNDVAISSDVAEE EYWPAPPLLTGHKIHTIRFGGSGA
SRHGNVAGNQRDQDHGRVLR YKSMSEALTP LDMTYSDGNDALGDDEFYDGTGNLMWMAA
VCFGHLVAKNAEPLRNYLPRTRHGSEKAYGDRQHRTRQRQRHRVCELGC GTGGAGISLLL
FSNPSQNGVNGMEESDSRETTVGTNQIAVEKSDDGDIDGCCHV VFTDNDRESLELCKSN
CELNGLDERDYSHRL LWWGPQDQNNQENREEEESPLQSTPLEQHSFDTVLATDVVYDLKM
IAPLFQTVEFLLRKPV RQGC DKPSAEGSGGHLILSHVPRFCIPRQDRDEAGVEPGNES
GDGDGDSDEPGEAFLELERFIRSEAGKVGLSLVETIRPHTVLS EDDLAAAGTGCDGTRDD
DX
>comp11809_c0_seq1; 391 1 1297 LEN=1860; translated
XVNTTSTTTKMGTSRRSRNVHHQSRHLPDENKSR TKVTSSTIIDTAQANLDFNTALQEVD
GDGKQITIVLLI VIPVILALVLGIAAGMTISIH YFENQNPTALFGGM RINSRESTLLY
SRTSDVHQKVTTSDPMIASSNVVQRDGNLDL GKVV TATA TGQLNVLVVVDEVAPLRSDQP
LQNSHDNANDQRYNEQFFQGA KIKAGNSLTMEQAELIAPGYGQWEASQPKIELREPSIL
PSLCS DGETLGFDSWTTLR AAVHEANSISADR FMKWNEYFATNSFTAFQDDRLYYEEDIV
FSICPGATLRGRKGGIFINAENNVLE CERGCVIDVGGTHLAFGANAKNV LVRGITFRRAS

TSSLTFYHDGAEATFEDCSWVNDSGISNYYGSIANVNSTSI VNFYRCEI IGLGKKQIAMGT
TSASTNSLSIRV
>comp11809_c0_seq2; 391 1 1297 LEN=1629; translated
XVNTTSTTTKMGTSRRSRNVHHSRHLDPDENKSRKVTSSSTIIDTAQANLDFNTALQEVD
GDGKKQITIVLLVIVIPVILALVLGIAAGMTISIH YFENQNPTALFGGMRINSRESTLLY
SRTSDVHQVTTSDPMIASSNVVQRDGNLDL GKVV TATATGQLNVLVVVDEVAPLRSDQP
LQNSHDNANDQRYNEQFFQGAKKIKAGNSLTMEQAELIAPGYGQWEASQPKIELREPSIL
PSLCS DGETLGFDSWTTLRAAVHEANSISADR FMKWNEYFATNSFTAFQDDRLYYEEDIV
FSICPGATLRGRKGGIFINAENVVLE CERGCVIDVGGTHLAFGANAKNVLVRGITFRRAS
TSSLTFYHDGAEATFEDCSWVNDSGISNYYGSIANVNSTSI VNFYRCEI IGLGKKQIAMGT
TSASTNSLSIRV
>comp11810_c0_seq1; 660 151 1626 LEN=1660; translated
MRFL LAT TLLFALLEQSNALNSAVPKASQTRAPVVLSAVSTELEVSPKATAGNDDIDAG
GVEFPPLSPMDRTKRAATFYSTIVPIIANYFGLIGNLKI QEVLGTERFSEQDIEDLWNN
QHEDGAKKVSEVITELKGFYVKTAQII STRQDLFPKEYTDALNGFTDSLDPMDASLAKAV
VIKELLHKDEKFSDFVSEFDDEPLGSASVAQVHRAVLSEKYGGREVAIKIQRPSIESKLL
GDVANLKAVSKALRAYLPLDY YTVFSELESQLADEFDFVAEAVSMDRIYQSLTRSADGSE
LTEPPIVLRPVQGLVSKRVLVMDYLKGVPLSRAREEMAKRGIDPESPE SKLFG RKL LKA
LTYSFGRNILETGFFHADPHPGNIFVLENGDIGLIDFGQVKQISGRSRET LAKVMIALDE
RIGDDRPEDLEKIGNLAL ELGVALNDDAQDEAAA AVAMWLF D GATEVLPGGYDKGELSPN
SPVKELESFPQ
>comp11810_c0_seq2; 673 151 1944 LEN=2145; translated
MRFL LAT TLLFALLEQSNALNSAVPKASQTRAPVVLSAVSTELEVSPKATAGNDDIDAG
GVEFPPLSPMDRTKRAATFYSTIVPIIANYFGLIGNLKI QEVLGTERFSEQDIEDLWNN
QHEDGAKKVSEVITELKGFYVKTAQII STRQDLFPKEYTDALNGFTDSLDPMDASLAKAV
VIKELLHKDEKFSDFVSEFDDEPLGSASVAQVHRAVLSEKYGGREVAIKIQRPSIESKLL
GDVANLKAVSKALRAYLPLDY YTVFSELESQLADEFDFVAEAVSMDRIYQSLTRSADGSE
LTEPPIVLRPVQGLVSKRVLVMDYLKGVPLSRAREEMAKRGIDPESPE SKLFG RKL LKA
LTYSFGRNILETGFFHADPHPGNIFVLENGDIGLIDFGQVKQISGRSRET LAKVMIALDE
RIGDDRPEDLEKIGNLAL ELGVALNDDAQDEAAA AVAMWLF D GATEVLPGGYDKGELSPN
SPVKELESFPQDLVLVGRSSILIKGISDR LNV PWSLAKEWAPIARDVLYGSASKSQAAS T
PTDDRVRFKSVLSTLKKWSKGR TKKFATKLPSP I RTRLAAYLVRREERLSRKKLTGR
>comp11810_c0_seq3; 385 151 1285 LEN=1285; translated
MRFL LAT TLLFALLEQSNALNSAVPKASQTRAPVVLSAVSTELEVSPKATAGNDDIDAG
GVEFPPLSPMDRTKRAATFYSTIVPIIANYFGLIGNLKI QEVLGTERFSEQDIEDLWNN
QHEDGAKKVSEVITELKGFYVKTAQII STRQDLFPKEYTDALNGFTDSLDPMDASLAKAV
VIKELLHKDEKFSDFVSEFDDEPLGSASVAQVHRAVLSEKYGGREVAIKIQRPSIESKLL
GDVANLKAVSKALRAYLPLDY YTVFSELESQLADEFDFVAEAVSMDRIYQSLTRSADGSE
LTEPPIVLRPVQGLVSKRVLVMDYLKGVPLSRAREEMAKRGIDPESPE SKLFG RKL LKA
LTYSFGRYVIFEF GQPQPX
>comp11811_c0_seq1; 1032 172 3113 LEN=3158; translated
MRMGKPEKVRGDTPTQVGADGKKPKHAARGSVVGKLS PDVISVYFSP EMKQEL LKXLE
KYAEELMQYEDATKAFAEARQQTEVEIDTNGEQQLPVEPI PKAPIFKSEYWLNELE EML
KETSDFHQTNGGKWSHARAARFERIMDERYGR LRPILKQYPELET LVKSVQRKYATGYF
SPFRQ GK PPIPKSTAVIILFMMQRGNLRWEITVLSVLFVGLQPWALVVLVAGIQTLMD
NRKRRPLKPMKAYIPSTSPYYAVEENDEEQQESNIDEEAEAEKERQKKIDILKQPVGTEI
GDQAFDSATHPYDTILLGSGPSSLYTAALLSRTGRKVLVLTGRE DASGCYSPPGSDIPFD
IESSNVSRISKTQENLAPALASSTDFQGGIRFAQIGSAADGHAFQILSVPGMGAESSGEN
SVPFVLRADGMRS LAEDAALSLGDGWPGIEAQDAGNSASAAYIQACRSLNASSTEYFVSK
ILPDS TNSLRKDKLYQEATIRYAASFLDSGFQLNAHARSLLAAVGM PGENIKPSQASMGV
HVSNVCSAMSGEGMHYP IGGPRALCHAFQKVI EENGCCVLTGVP IGRLLFEDTEDGSSKP
EDTKKPSGEKEAGSGPAPPRCIGIQLLDKREIKFDLKKFENG GYKPAVVSMLGFISTFIR
LLPNEVRDKYNTPVGLPALAERRPVIKILFSLKGSARDLDVTGADFYRLPNASLARDEM D
SSTGQVKLGTIGGNDDDDAANEKIDQDEAAGLTDTE T NTKPKKSSRNKFEQGKSWMQIS
FPSAKDPSFESRHGKITTCVVTIEADDDFVTPYETKPKLYAIQKKGSTHG DYQLLMERV
RNDLLENYPQLKGI LHNEMYGPLYMGLSQT PVRYAAKGVRAESPYPGLFTGGSDLTVD D
SFTASLYGGLLAANAVAGYTPLDIMYLEKNILT DISSYLELPDEMEDDLAVDYTHEEED
ASKIAEKGEANDPPELQTEK
>comp11812_c0_seq1; 969 147 1652 LEN=1838; translated
MQLSSIALTVFAASAASIAYAFAPMPASYRSTVASSSSNSGTSLSYISSWGKAGMGLEIQD

EVSIPEDLNPDNTNIQSYLDEPDIIDQRDNLDTCLVSGYVNSKERSDQFVFDLLNHEENA
FAFEKIVAFVNDKSAKKRLLSRSARYTGLLDKLDKDFKEAAAAPGALPVPAQLEGVRSWVAQ
IESDNDLVSQVKAVADLAKDAKDIDNVSVIVTNAAGEVIPAADRAAAVQALKDSGKEYTLL
LVVGTCLKDHDEGKTFYKYAEFDESEDEDALLPDAIFSRAESMRMITETLQLDAGSCKAL
TFSEVYDNTTTEAKLIKGLREAGYVRCQEIDHVLDRDGFKNYQKELDEYDELNPGWREGVK
MTDAWWEDPEFLRQLDEAKMKDRGGRPEEVKVEEETKDERTLVEKIMATEWKGKREFFSRS
MAGTVDQQLTQAEFIESVWDRALFEGDLKYRQLNGEEDPDVEAELLDFKAQQRKQQAALK
KAKAELQEIFDEEDLDGVDVGV

>comp11813_c0_seq1; 538 38 1045 LEN=1270; translated
MLASPSYFCVAVAAALHSAFAFAPAALQNPVSPSSALFLSSNDEAVGRRDALAQAAQLVA
GVAMTSVASSVPVAFADGDAPAAKVVVAGATGQTGRRVLERLAGAGNLQVVGVRNPE
KAADALGESSTVVRGAMIQKVASVDTSAVALKRLDVVKDSVDDLASAMAGAESLVIATGF
IPGNPLKMNAAAHEVDNVGTIKLIDAAKKTGTVKKIIVLVSSILTNGRNWGQEKSPGFVIT
NAFGNVLDEKLVAENYLKSSGIDYTIIVRPGGLKAKPPTGALIVSGEDSLNSGEISRDLVA
DVCVASLTDAKAANKVLEIIEDEGTTPPKVFNGLNM

>comp11814_c0_seq1; 355 1 1289 LEN=1333; translated
XAFTEWQIATHFCFLESRFHSGTVARPLRPEILGMSDARGWARKGKLPPTYVLPQEERI
RSLLLPLRGTGGSDGNRDNDQHDHGHANRTSGAATNDAPPAGRRKLVICYFRDHNGE
NVVNTLLSLGVDVLFVDFPNFALDMPGNPNRYGAKWIIHDDIRDRERTRLSRMEGVESAEA
GADADTTNGFQERRRVSENADLPNDDGLNATSAVISAANDIARQFKVQGHQDGPVKVIR
VTDRSLFVPLMHVADGVASSAGSQLMSECIYSRMPLLAMYKEKDNEQRLNVELSQHADAP
CHRPLVYGTSEFDELESTIKSNAALGSTKQPAIRNTHGGSAKRIPIPESFYFVREVRSSS
VSDTYRNAHVLGGSASHPAERPSKAKGEEGTADHLDPDNLLEEDPFQSLPDAAAIIVE
IVKQVIQKG

>comp11815_c0_seq1; 154 478 780 LEN=1423; translated
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RKQASRLRRNDFRTIEHKIRHGKQIKLLQMPGVVTFKSW

>comp11816_c0_seq1; 373 118 1257 LEN=1626; translated
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KNNCPVCREDMFSSRQSPQDLPCGHAIHAHCFRKLAFDYRCPICKKTVVVSQQSMAAAWE
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>comp11817_c0_seq1; 554 1 1797 LEN=1825; translated
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LDDPPPVLKEYLQHFWDWVPSDMEAAALKFRTAKLPFKLINVPEVLAATQTWTDDYLADQF
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ADRFGISPHLPHYWQSGVPRDERYQHPKTFTFVSRDLPSFASTEANFVQWVPDAQKGIQ
CRFGERGITAANHYDSGRNMIAMITGAKRYILSPPRECKKLGIVSSKGHSSFRHSMLNYG
HMAALLDDRKDPNAREMPPEEAAWEMAGTAEAVSTVVKEGEIILYVPTGWFHYITSLQKSA
QCNVRSRGPDTSGDPYFGGARDIRENASRTSRARQGRAGFGTDTQAQRDAMESQHRRTHR
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>comp11818_c0_seq1; 727 341 2500 LEN=2730; translated
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PPSEDNNGKENKAPSQAVMPFRVNVYCDTGTGTGTSRVIDGKVRQTFRRNITSLDVVERLL
RQPEGPVEIGPSLIGMTDSIEDSSHMNGNKDWTKSDYLGVELADVGFCLDGEREKLEK
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VKGVAATNGRGTVFLYGNGGVAYTPAIPKALYQKLRQLRSSYSRRPCYVALGTRDRYFVS
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>comp11819_c0_seq1; 1012 237 4601 LEN=4617; translated

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>comp11819_c0_seq2; 1090 237 4463 LEN=4479; translated
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ATSLPKIKLKL GASGGDKPKIKIKQPAARATGATISRGTKPPTGAVGVASRGKTSPTSAT
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SLKTSAGSGGSRGKELPKGVTPSTGKALPKGVTVPSTAETNNKAATGTSSGSYKVTKAT
KTSKSKPTGAKASIQKATTPKSTIRATAATTSSNKPKTSTTKGKPKGSKAKSVNKKKKNK
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VPFFEEYDQHQDQSLAEVMKEHKATFERQRNELVTMOKSTQVIGQSVYNRMLQSARAREW
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>comp11819_c0_seq3; 273 77 958 LEN=974; translated
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VEGSLRVRSSIRLSINRRQSDTDFEVPFFEEYDQHQDQSLAEVMKEHKATFERQRNELVT
MOKSTQVIGQSVYNRMLQSARAREWISDEQSRLGIMHSTPMVATAKQAPAAAITS PVDA
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>comp11820_c0_seq1; 174 45 579 LEN=2220; translated
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SRVVISARKDAIQLKIPGFPTECLKKFEFEDVDLRNTQGEDGLSLKNI FRLFRDNEETI
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>comp11820_c0_seq2; 209 45 482 LEN=2123; translated
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VDLRNTQGEDGLSLKNIFRLFRDNEETIKGVLNISDKLKQMMRDMIEYFENQSDSSWKS
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>comp11820_c0_seq3; 337 45 1394 LEN=2039; translated
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NYMIYITGHSLLGALACLAFNLGACSEKWIPKPVTCVTLAAPRVGTMGFRKAFQOLEKD
GFLRHLRITYNKDVVPALPSFSFGLLGFSLRFWWMFPKQMKHVGINICARNSIDPPVHP
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>comp11820_c0_seq4; 302 45 1491 LEN=2136; translated
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KGVLNISDKLKQMMRDMIEYFENQSDSSWKS ENLFLEVWRAYEQNVSCVYGVFKDKKKNK
VITVTFRGSQFAPCTAVGITRDWRTNLTNWHRANATPDLAREKLGQLKNGVVFVHKGFYS
YLFDNKFRQNKQTFQMKDDVKSLIEDGNPENYMIYITGHSLLGALACLAFNLGACSE
KWIPKPVTCVTLAAPRVGTMGFRKAFQOLEKDGFLRHLRITYNKDVVPALPSFSFGLLGF
SLRFWWMFPKQMKHVGINICARNSIDPPVHPAGLGFWSSVKNVAVRNFSLFRPFWAVSRY
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A

>comp11821_c0_seq1; 638 1 1114 LEN=1181; translated
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DDRESSRESTFLTEENQKSFFPKTLSTKSEESMYRVEPRGTVEQKSESSQEEEEESAYF
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AREQEEREARE

>comp11822_c0_seq1; 576 178 1545 LEN=1786; translated
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SFGYVGNILFDRMAGASIHCTPGEYGRGTGSNGLIDLNDLESRGGEESKQTKVYKIPV
GGSNGLGTWGYIEAVDEFVNQLDNEKVDHVVFACGSGGTAAGIGLGLSLAYLEKKNVEST
PKIHAVGVCDYDPDYFGTITDIANEMGLEMSSIFPGSQTGATNDASIEAFVRDHVTVHQG
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>comp11822_c0_seq2; 473 738 1640 LEN=1881; translated
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SGGTAAGIGLGLSLAYLEKKNVESTPKIHAVGVCDYDPDYFGTITDIANEMGLEMSSIFP
GSQTGATNDASIEAFVRDHVTVHQGKGLGYASSTSEELDFIVNFALETGISLDPVYSGKA
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>comp11823_c0_seq1; 785 292 2646 LEN=2835; translated
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TSAPGSTSAASRLALASSGITDLNSSLASLGAGSNLSNLMHLEQIVRKQQLQEIHQSIQ
REKLEALQRLSSSTQDVLHDNALLELVLRQQQKNALSSIGGNNTAALEAQIKALRNQQQ
QMHLQANAGQKADNIDKQHRQLSKEESAVANFMRKNSANKNNSGLASLSTAQIQQMIA
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PVCRRRGRSVYFPRAVEGFYQAAQNMNSTHLQTECPLMGDALRREFANLIATRGVSTGA
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ESTD

>comp11824_c0_seq1; 1166 1 3392 LEN=3504; translated
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LRPETMYGQTNCFVLPDGEYGAYTVDATDEIFIMSPRSARGLSCQVFKDNVGYTKFEFGKI
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DYPEGCSIAEEKLKSMDERFRYWYPMTLRVSADKLIIPNHLTMALFNHAAIWDEEPEIWP
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AIVSLSNEETWIVETLESSDLRSGADLNFMDKILINDTDRLITACGDFAAMQFREGLOK
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>comp11825_c0_seq1; 292 467 1171 LEN=1788; translated
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RRLGFDDVMVDRMFGFQKDKYDPYLTLEELQNSELEHEFLKALPPFCIYQGTDDKTVPFE
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>comp11825_c0_seq2; 255 467 1265 LEN=1882; translated
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KSNGEWMTSHIKGFAAVSSPLNLGSPLTKSFRLGFDDVMVDRMFGFQKDKYDPYLTLEE
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>comp11825_c0_seq3; 292 268 972 LEN=1589; translated
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RRLGFDDVMVDRMFGFQKDKYDPYLTLEELQNSELEHEFLKALPPFCIYQGTDDKTVPFE
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>comp11825_c0_seq4; 255 268 1066 LEN=1683; translated
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KSNGEWMTSHIKGFAAVSSPLNLGSPLTKSFRLGFDDVMVDRMFGFQKDKYDPYLTLEE
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>comp11826_c0_seq2; 166 395 1210 LEN=1339; translated
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>comp11828_c0_seq1; 1545 81 5936 LEN=7928; translated
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RVG AIGGRNDLVASAARFIHGPLGASYGGDTGAAIVTNVNGISYSAARAVNDGARHGL
KLLRW AGHPRKGDLEELFVRVACFATKLWRTINGEPIEITDVTGTFHKGSVGCATD
GQLRCTL LALWQWLWPKGCFAVMQVQIRKPTQWSGNCKELGVDNVMKTSTEEMEA
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>comp11829_c0_seq1; 181 233 466 LEN=1193; translated
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>comp11830_c0_seq1; 680 176 1414 LEN=1866; translated
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RHLQRELLRAKEEIRRIQSVPLVIGQFNEMIDANYGIVSSTAGSNYYVRILSTLDRELLK
PNTSIALHRHSHSLVDILPPESDSTVKLMTEKPNVTKYKDIGGLDMQKQEVREAIELPLIQ
HHLYQQIGIDPPRGVLLYGPPGTGKTMMAKAVAGATKATFISMVGSEFVQKYLGE
GPRMV RDVFRLARENSPCIVFIDEVDAIATKRFDQAQTGADREVQRILLELLNQMDG
FDQTTNIKV IMATNRADTLDPALLRPGRDLRKEIFPNPDRRQKRMVFAATAKMNLS
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>comp11831_c0_seq1; 609 121 1275 LEN=1331; translated
MSAEREDVVGSGNDKEDTDTAAEVPLVLRDLRGLKRDGRPSSLFDMSVMATPVAAIKA
LLGVVERS NATMMELQAEKQAREIVMQDFLDRQQEPRQHSSSGRSGGARNMIALASGC
DLFLKYATRTFLEHGDFAAARNQVLERGQRFAGISLAARDRIAHVAADFIOEGQTVLTHG
WSRVVASILLKAAETKHFDIIVLEGRPDAAGAKAARAYASHESKIPTTVVLD
SAMGHVME IVDVVLVGAEAVVENGGFVNKMGTALATCAKAHGKPFYVASESYK
FARLYPLSQDLPAMGNNSPIGFVDTTIASTSKDGEEKDQIEEQPQGHSVTPVDLP
DNVRVENSPCDFTPAKFITLLFTDLGVLTPSAVSDDELIRLYS

>comp11832_c0_seq1; 393 285 1235 LEN=1296; translated
MGMGMGATSSKKKKGKKNKSKGRGLSSSSKSTPFDVNASIIRLEKKYDELQLSAAKDL
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HEGASDEIVQTAISVYCRELSFLAAEGSRVFTIARNEIQYSVESIDSFHKFVYDE
VIEGKANKSPDQAMTKAEARKTLGLSENADEITKSDIRKAYRNLSFELHPDRFEGT
PEECEEATNQFRVNLAYDTLSSGVREEGKSWYESLGGKERTGFVGPVNLLPLGAAQ
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>comp11833_c0_seq1; 220 334 751 LEN=751; translated
MMKIQLLCLIVLSIASLASGAGLRGTGTAAADFEEAAGLSEQDIDERAEFDPE
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>comp11834_c0_seq1; 281 268 1654 LEN=2002; translated
MTTWNVAVGWDEGWEQKLVWLRVSDRQLXLLPQAMIFPVFIDSLFLVWFRSLIQG
FRTSLLRRGXVKLALAHGVLSGRPLEERSDEGSSDHEERLATSSELLVRSGETSS
PSPGPDQLNQYSPPCGRGDLRVSIKYYERFYGYDGVGPEPDTVTTLGATEALAS
ALRTLKGPKDKCVIFEPFHELYPSQCKLFYLEPVYVTLRPSAAGGGPEPTTWTYD
PGELEDAVRDATILVLTNTPHNPTGKVFSTRRELAHIVSLCQKYDVYLVTD
DDIYEHMICYDRHRHIVVPHEFPPEMADRLLCNSLGKSASATGWRLGWCV
HPPHLRNTYRGIHQDLAVMSPHPMQYATLSYMGLPDRYFADLSA

RYGRRVARLGSALASLGFVPPQAYYLFVEYTTVPALKGMASGDAAMHLLLEHVGACV
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>comp11834_c0_seq2; 739 170 1588 LEN=1833; translated
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GYTSLTYQAVQVGASRDDAVAAELKHRHANPDLGVWNCRVGLGTNENSGKGGNSNSGSDH
DPLVDSLLAKLAQTSSSSSSSTPPPPVYCLTVDLSDETTVEPTLSALQAALVRHLIEH
PPPAETKSEAVRTTSLYDLQTVQFGLAPDEPQAERSIEEARNARVGLMVCVAVVSSSDAR
TADESSEAAYKKKQARALVVYHLRKFACSIHAALCFVERPGERKDSSPNTDASDEKTGED
AATGSGSSESNAQRSVSYDKLSQLWRDMANGIQVWNAEAATSSAVPAPESASAAAAAALY
GPGRQQEDLIESVLLRNANYPGHWDAAKDSLWVALPSEPHGGQAAEGAGAPAAGDDGWL
QLRDSIASALPVASAEQTDKNKAAAGKDGADKPKKDAVSSFFESLLKDS
>comp11834_c0_seq3; 290 118 1401 LEN=1749; translated
MTETNANNATNAVQESQIRKMTRLAIEYGAVNLSQGFPNESPPWCVKLALAHGVLVSGRPL
EERSDEGSSDHEERLATSLSSELLVRSGETSSPGPGDQLNQYSPPCGRGDLRVSIKYYER
FYGYDGVGPEPDTVTTLGATEALASALRTLKPGDKCVIFEPFHELPSQCKLFYLEPVYV
TLRPSPAAGGGPEPTTWTYDPGELEDAVRDATILVLNTPHNPTGKVFSSREELAHIVSLCQ
KYDVYLVTDIIEHMCYDRHRHIVVPHEFPSATGWRLGWCVHPPHLRNTYRGIHDQLAVM
SPHPMQYATLSYMGLPDRYFADLSARYGRRVARLGSALASLGFVPPQAYYLFVEYTT
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LLEGLG
>comp11834_c0_seq4; 301 118 1449 LEN=1797; translated
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FYGYDGVGPEPDTVTTLGATEALASALRTLKPGDKCVIFEPFHELPSQCKLFYLEPVYV
TLRPSPAAGGGPEPTTWTYDPGELEDAVRDATILVLNTPHNPTGKVFSSREELAHIVSLCQ
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HLRNTYRGIHDQLAVMSPHPMQYATLSYMGLPDRYFADLSARYGRRVARLGSALASLGF
VPPQAYYLFVEYTTVPALKGMASGDAAMHLLLEHVGACVPGDNFYGKKGDATTENRYL
RFAACRSDDDLDEAIRLLEGLG
>comp11834_c0_seq5; 270 268 1606 LEN=1954; translated
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RRGXVKLALAHGVLVSGRPLEERSDEGSSDHEERLATSLSSELLVRSGETSSPGPGDQLNQY
SPPCGRGDLRVSIKYYERFYGYDGVGPEPDTVTTLGATEALASALRTLKPGDKCVIFEP
FHELPSQCKLFYLEPVYVTLRPSPAAGGGPEPTTWTYDPGELEDAVRDATILVLNTPHN
PTGKVFSSREELAHIVSLCQKYDVYLVTDIIEHMCYDRHRHIVVPHEFPSATGWRLGWCV
HPPHLRNTYRGIHDQLAVMSPHPMQYATLSYMGLPDRYFADLSARYGRRVARLGSALASL
GFGVPPQAYYLFVEYTTVPALKGMASGDAAMHLLLEHVGACVPGDNFYGKKGDATTEN
RYLRFAACRSDDDLDEAIRLLEGLG
>comp11836_c0_seq1; 378 33 1166 LEN=1332; translated
MEEYGM AAPSSSSSCASVFLITGASKGLGKAIATVASNYYSRAVSKPRSVDESNDPCN
SNGQRNGLCCPSMPTVRFVLVARSSKGLEETKQEVLSRQRWIHNAASAGRNEHDIICRP
MDLSDLDRNLNANIDILLDDVDRLCSLDNAPCTENHENRDRHGEQQQHKVVFINNAGSLGH
LGPCISSPSLEDMRRTIDFNVTSSLWLSVRFARHLKEHQESERNRMTAATVVNLSSLVAV
SDEFGLMGIYSAGKAARERYHTLLAKEEWNHDHNQRQGSVPANTKATVNSAPSQFASSTLK
ILNYAPGPLETKMTKEIRGSDALDSELQADFEKPLDPRDSALKLIRLLEEGEYFDWESG
AHVDYYDLPDSNDKENE
>comp11837_c0_seq1; 249 1 1583 LEN=2103; translated
XPLPPYPVYRGVRKLSVLI ALEFALGRNHQLNYKHDFLFGNTANIIDS VARGKGLPSSEL
EEVRTYATMSEQYQAYTNTASQPIDFGAYPPCLVAWPINILDTLCDRYLGGLCSRWRALL
PEHLASEDSSSWFSVTHKMTKTPNEYLPGLLSYQDFVEGDDEAPFSMGSMKRFAFATSST
SLASVLSLTSLLVVLVFCIRVLKANIQPAFSSIARSYCRKTHGPDWEKEKANADRIYK
FGEYVFRLCFHTMISIVGIWLFHDKPWWSSVSEFLVGGSGDDATTPMGTKSLYINFPFQ
PVEPGMIWYYLVQAYNAEAMISLLKISLKVLELQPIRCEHHCNKTKQQPQKWQLPIKIEW
SETCRGDFREMFVHHVFTNLLVIGSSFYRFHYIGSMVFI IHDISDIPVDLSKLANFLKWK
TTTTICFVAMCITWLLTRLCVLPFIVWRSIIYESWLVCASGYIPPMYYNMFQPIFVGLLG
VLILLHIYWFSLVFRMGYVLIRKGEAHDLSEHKNGEKQNGTESKKSQ
>comp11838_c0_seq1; 1483 23 3112 LEN=3200; translated
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ALERQNGIPANVKTAEEAIEAELVDDVPAHTEKAVPAEDVVF DAYATTDLGESKERDTPA
EPSQQKDPRTQQVDDAKARALATMQKPADKAEKPRSKQGSKPSVDFAVEAAKKAQA

RSRNAGTDNEHDKSRTSESAAHTVDFAVAAARKAVELRKKKQKQPSPTESKKAPPRRANN
RKVRGDPEAISSEIKTSLKTEKGPSMPVPEGWKPRDYFKKQRAFSGTISPPKKVKARAK
RKALSVAKKLATASSKRSTRAQAQAKIATQSNDTAANANTPADTSDIKESIDKRRLNAKL
VDGSKPGDTDDDADTMNSLLEEATSDDRSIPSKKEIEKEIMKAAQTALDEIEAQGSEMTS
EEMLKDILKFDEEKKKEEQPGSGFVSGALEEAKKLMKDRHRQIKERQKQKEQNKVGFKEF
DKPDSNSFPKYPNSMDPSSNEKERKLTPEEELKAMFAAGQKIADGKIDSNIADRADVGGK
TGTTEEDVDRLIAEETVSKYARILDDELAELVRINTSPGEELDGPMENPLFDPMMSGPE
VYNPNVELDAVNYPGALPGTADVCLPKELNEAIKQAEFAASVLMKMEAKEEKDEKTGETT
TKYFSGGKELTAKQVENLQKVVSEASKSGIIDNPVEVMAESSRLQIILLKELWDQPEERFR
EIASNYKDLLSERFVGLIRDRLTAMADRDLALRRDDESLREPHEKEREILGQLVVYAQ
ALLKETRALGAELEAHQLEIVRSICKVAMDPAAHTTEETANALSDAVRDMRPLDDTFVA
YLKYAVAEAAKLARAGLLDDPDYNQWLFVLNIVQQGVYAEIAKGINRYIEHIWYVIRME
SPQQRRRLLESIDDMPTMDVRFVQVVDNIVGSLGDGVNGNFDGVVPLGEMTNTLLQLQ
HDVQELLPPIERIAEKARDADEWAARQKRRMMEQRKIGQQRLEAAKEVGHMENDVEAMFGS
EGEVLDLRFD

>comp11839_c0_seq1; 548 233 2302 LEN=3687; translated
MVVGDDPTASRSDLFQKMQDPKTRTLFEESDDESTSERATGGDSLDDLSNSNSSTESNG
DWDDIATSHGNGSAKTPTPQSRARSSVNECDVLLASDLNKLFAEREMINDEIHGIGVER
EYSIRHGVVEETPAMLEESFRALAELEKLRQGGHAPAFDRCQQLLREEAAAQNETPNE
KKKKTCTKPTPCYVNEQDFRILFLRCERFDIAKAARRLCAYMDFTRDLFGDKVLRRLRRL
SDMTDSEIDHIEKGYTQLVPGDRDRAGRRVYVHTATDNDMDNTEFTRAEHMASRMRICVFM
IMALLEGDVKSQQLGIVCLFFFHYARIDEEEFWTWRSKSKQKCVAVIPLRVGAAHYCFPTE
EYSDLSLIMKKVQSETRSRVRVHTGTSAECMRILQSFGIPTANIPLNTSTGELDLTNHKK
WVEFCRTKEAKYLGDFGVSLRQRIIECPKHSDILFGRGQVVMKHPGNVMFRNLVQSKLAE
YSSIKTKKESTNLTWEIVRILKNQYGARFLKEELMESDGLCWVEATNEVARRKVRIAFRD
ARSRQNKLNNSCSKQVIDGGGTKSNKKQIQHPKQKAGGTNNKSTGRWEQNKGDWGVNNT
GAAAPSTTNTISALDPNLLPSPVPCFRPFVQAMDELSEDFVFKPQQQQPDLSSLAGPQAV
HSMGPMISSCNANHNHNYLNLDNLHGGFPE

>comp11839_c0_seq2; 267 227 1126 LEN=2511; translated
MRILQSGFIPTANIPLNTSTGELDLTNHKKWVEFCRTKEAKYLGDFGVSLRQRIIECPKH
SDILFGRGQVVMKHPGNVMFRNLVQSKLAEYSSIKTKKESTNLTWEIVRILKNQYGARFL
KEELMESDGLCWVEATNEVARRKVRIAFRDARSRQNKLNNSCSKQVIDGGGTKSNKKQIQ
HPKQKAGGTNNKSTGRWEQNKGDWGVNNTGAAAPSTTNTISALDPNLLPSPVPCFRPFV
QAMDELSEDFVFKPQQQQPDLSSLAGPQAVHSMGPMISSCNANHNHNYLNLDNLHGGFPE

>comp11840_c0_seq1; 1030 1 1853 LEN=1909; translated
XLNWMHHSPIYNPAVSSVSLWHRQPSHCKPTTPTGYHQPIDRSTMSLSNGSMAYNSA
AGLGGMLKDGHEHFADDDGGGAVVARSISAACELSRMLSSSLGPGQRNKLIVNHLGKHIV
TSDCASILKEIEVEHPAAKLLLELAVQQQETECGDGTNLALTFGGELLTSTLGLMKIMGWK
HKTDIMEGFHLASTKLLNELLVTPKDGDNNGCVVAKIPHPASSEALKELKEKVLPLVGL
SKQYGGSEGILSDLIVQACQIVLNEGETNQVLQPSIRTVKILGGSVQGSACVQGFVAQRG
VETTRTASEKNAKIVVYASGIEASSTEAKGTVMKNADDLKNYNKTEETKMEI IQGIAQ
SGVKVVVTGGNISDMALHFI EKYEIALKLSKWE LRRLCQATGATALVRLGAPTAEMG
SATTTQKIVGGRTVTVFENDEEDGKSKIATLVLRASGSLVNDLERAVGDGIHAVQMACKD
GRIVYGGGACEMECVQLDRLADQNPGLQYAIRAFKSLQCVGRTLAENAGWDVAVQVVA
DMRAAHVNGNADVGVDVEDDPGSTSMKGT PASPGGIYDLMYVKRSALKLAIEAATTILKV
DQIIMSKRAGGPKMPGQ

>comp11841_c0_seq1; 308 1 1045 LEN=1154; translated
XGASAGGAARYTWEVVCWLDSELSRYRCHSIGPRHLKGVEMFTIGDCQSILLKLSNERC
KELRAELNRATAIQIEAEAAMKEEGETFDGMMTDAEMTYLTSMEEVKSI SQKLVLAEKSF
GLVRDRIEKLVAKYEALLVHFENETDSVAPSSVFSYESSCYSEDYSFAAAQKREDELLAR
RARRAELRAELEARESRMAPGDSQSVVLEQERVLDLQKARISDLRSESSAAFTDRDRSVV
LARAIRRGPPAAGSGDASGKGTGRSKIDDIKQFRDRSAAKSQVGSASGSASGGPNQ
PSAPGGRSGSSGNRTDANHFQRTVGEEMFQHLDFYERSLKAVEGHRYH

>comp11842_c0_seq1; 1443 206 3358 LEN=3562; translated
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RDSRNNQHREEAKRRMEEARKKKEDEASEKTKWMEDYKKKKEKELREEEERKRKAEERER
KRRERLLREEEERKRREEEERKREQQQREQEERERREQKQREEEERKRIEQELREKEER
RNRKKEEERKRKEQQRREEEERKQKEQERREEEERQKQREEEERKRKEEERERKRR
KEEERERKQKELQEKELRKKQE QEEQKQKQEEADKREVQERKKQQQEEQKRRFDQRKQE

DPSFVERIPKRSALLAIGGKALEDYEKKRSAKALALWKNEGGASNNSWTIPTGQTFDGLF
ACEDPDAIEQTEVLVDAESLGGAI EAFKADPETYLAMLYPNNSNQSNKIPVTVYVLRAGTP
VFRPLDVRNDGTGAFCLWQHVVYQRLVFPFGENKLPDARDADHTDSMTYMGQKLHSETGDLQ
RLPLLPGRGMGLADAPSTKLVGLTSPVEEDCIAEPNDIVQGSIGDCWLLSAIACLADFDW
AVQRLFRKTQTAQHLGELPTDGSDDTPSGNSYTVTLWDLTTWEEVDVVVDERLP IRLSNP
NELLGARPSRDGKLVWPYLEKAI IHC GG YDKLEGGNCTHAWPMLTGSRNQYI IQRNPKS
NNSDGNDTVTYSCSARYDSYKEEWS PHANSPHDYKDGSAIWSVPWPRV GSTSESDSGCRD
ITADELFDKIVAWDETNYLVGAGTSGQSDDEKTDGIVDNHAYSVIDSRQNI GGTGIDLLL
VRNPWGKGGGLEHGEFMADGPGWKYPKVRYELNPI PEDMGLFWLTKDEFFKYFPSIYLC
KFNMTRLREKDYTNDLQDEFKRTKKAQT TTKKQPTNEPLAPLEPWIVDKESDPNSSYKI
VEQSYDGGVYFDELNKR VVKGCIVDGVKEFRSNPEKYLA IHYQNSIADGGWPVEVHQYT
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>comp11842_c0_seq2; 1402 206 3506 LEN=3710; translated
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RDSRNNQHREEAKRRMEEARKKKEDEASEKTKWMEDYK KKKKEKELREEEERKRKA EEEEE
KRRERLLREEEERKRREEEEEKRREQQQREQEERERREQKQREEEERKRIEQELREKEEE
RNRKKEEEKRKEQQRREEEERKQKEQERREEEERQRKEQQLREEEERKRKEEEEEER
KEEEERKQKELQEKEELRKKQE QEEQQRKQEEADKREVQERKKQQQEEQKKRFDQRKQE
DPSFVERIPKRSALLAIGGKALEDYEKKRSAKALALWKNEGGASNNSWTIPTGQTFDGLF
ACEDPDAIEQTEVLVDAESLGGAI EAFKADPETYLAMLYPNNSNQSNKIPVTVYVLRAGTP
VFRPLDVRNDGTGAFCLWQHVVYQRLVFPFGENKLPDARDADHTDSMTYMGQKLHSETGDLQ
RLPLLPGRGMGLADAPSTKLVGLTSPVEEDCIAEPNDIVQGSIGDCWLLSAIACLADFDW
AVQRLFRKTQTAQHLGELPTDGSDDTPSGNSYTVTLWDLTTWEEVDVVVDERLP IRLSNP
NELLGARPSRDGKLVWPYLEKAI IHC GG YDKLEGGNCTHAWPMLTGSRNQYI IQRNPKS
NNSDGNDTVTYSCSARYDSYKEEWS PHANSPHDYKDGSAIWSVPWPRV GSTSESDSGCRD
ITADELFDKIVAWDETNYLVGAGTSGQSDDEKTDGIVDNHAYSVIDSRQNI GGTGIDLLL
VRNPWGKGGGLEHKGKYGDDWFSFTNVSCLHILLFNIFLFLRYECFLTNTVPTIYTLCD
MQGEFMADGPGWKYPKVRYELNPI PEDMGLFWLTKDEFFKYFPSIYLCCKFNMTRLREK
YTNDLQDEFKRTKKAQT TTKKQPTNEPLAPLEPWIVDKESDPNSSYKIVEQSYDGGVYF
DELNKR VVKGCIVDGVKEFRSNPEKYLA IHYQNSIADGGWPVEVHQYT LIFREGTEGLD
VDEVENNSGKRTLLTNVLR

>comp11842_c0_seq3; 1352 206 3817 LEN=4021; translated
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RDSRNNQHREEAKRRMEEARKKKEDEASEKTKWMEDYK KKKKEKELREEEERKRKA EEEEE
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KEEEERKQKELQEKEELRKKQE QEEQQRKQEEADKREVQERKKQQQEEQKKRFDQRKQE
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VFRPLDVRNDGTGAFCLWQHVVYQRLVFPFGENKLPDARDADHTDSMTYMGQKLHSETGDLQ
RLPLLPGRGMGLADAPSTKLVGLTSPVEEDCIAEPNDIVQGSIGDCWLLSAIACLADFDW
AVQRLFRKTQTAQHLGELPTDGSDDTPSGNSYTVTLWDLTTWEEVDVVVDERLP IRLSNP
NELLGARPSRDGKLVWPYLEKAI IHC GG YDKLEGXVRANLN XERKTGLCIAELRCAVLC
YTAAEYIAFCFGLFYSPWFNNSNISLSCSNASSMSAFLFLAIRIFTATR TNAYDYARTNL
TTTTIGDRSNI EQCAKSVGGNCTHAWPMLTGSRNQYI IQRNPKSNNSDGNDTVTYSCSAR
YDSYKEEWS PHANSPHDYKDGSAIWSVPWPRV GSTSESDSGCRDITADELFDKIVAWDET
NYLVGAGTSGQSDDEKTDGIVDNHAYSVIDSRQNI GGTGIDLLLVRNPWGKGGGLEHGY
KGGDDWFSFTNVSCLHILLFNIFLFLRYECFLTNTVPTIYTLCDAMQGEFMADGPGWKYP
KVRYELNPI PEDMGLFWLTKDEFFKYFPSIYLCCKFNMTRLREKDYTNDLQDEFKRTKKA
QT TTKKQPTNEPLAPLEPWIVDKESDPNSSYKIVEQSYDGGVYFDELNKR VVKGCIVD
GVKEFRSNPEKYLA IHYQNSIADGGWPVEVHQYT LIFREGTEGLDVDEVENNSGKRTLLTN
VLR

>comp11842_c0_seq4; 1393 206 3669 LEN=3873; translated
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RDSRNNQHREEAKRRMEEARKKKEDEASEKTKWMEDYK KKKKEKELREEEERKRKA EEEEE
KRRERLLREEEERKRREEEEEKRREQQQREQEERERREQKQREEEERKRIEQELREKEEE
RNRKKEEEKRKEQQRREEEERKQKEQERREEEERQRKEQQLREEEERKRKEEEEEER

KEEEERKQKELQEKEELRKKQE QEEQQRKQEEADKREVQERKKQQEEQKKRFDQRKQE
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ACEDPDAIEQTEVLVDAESLGGAI EAFKADPETYLAMLYPNNSNQSNKIPVTVYVLRAGTP
VFRPLDVRNDGTGAFCLWQHVVYQRLVFPFGENKLPDARDAHTDSMTYMGQKLHSETGDLQ
RLPLLPGRGMGLADAPSTKLVGLTSPVEEDCIAEPNDIVQSIGDCWLLSAIACLADFDW
AVQRLFRKTQTAQHLGELPTDGSDDTPSGNSYTVTLWDLTTWEEVDVVVDERLP IRLSNP
NELLGARPSRDGKLVVPYLEKAI AIHCGGYDKLEGXVRANLN XERKTGLCIAELRCVLC
YTA AEYIAFCFLFYSPWFNNSNISLSCSNASSMSAFLFLAIRIFTATR TNAYDYARTNL
TTTTIGDRSNI EQCAKSVGGNCTHAWPMLTGSRNQYIIQRNPKSNNSDGN DTVTYSCSAR
YDSYKEEWSPHANS PHDYKDGSAIWSVPWPRV GSTSESDGCRDITADELFDKIVAWDET
NYLVGAGTSGQSDDEKTDGIVDNHAYSVIDSRQNI GGTDLLLVLRNPWGKGGGLEHGEF
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QDEFKRTKKAQTTKKKQPTNEPLAPLEPWIVDKESDPNSSYKIVEQSYDGGVYFDELNK
RVVKGKCIVDGVKEFRSNPEKYLAIHYQNSIADGGWPVEVHQYT LIFREGTEGLDVDEVE
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>comp11844_c0_seq1; 453 77 1258 LEN=1315; translated
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ATLAALGTVAATATATAAGLDRASVRDGLAGYNGCLVGCASAVFGPPSVLAATTATLIGA
SATPFVAAALKEAMGGVPQWTLAFNAVALNAFLRSRPLLPDAAEGGAAAEAAAASSGGSVF
VDVLLSPLTGISQIFVVSALSQVGVVVLGGIGSYSPMLAVHALGGSTVGTLVGALGGAPLE
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PFCVTMSACYLLQRQVPALVLAKDPHSPEKNET

>comp11845_c0_seq1; 205 1 991 LEN=1379; translated
LIFPQSNPREGDKDASETDLDTIHFMI AKERVSEFESFHQIKSLKNASAYENIPRPSTPP
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SLAQAISSYSSLLIRLERSDSLHFQRSLIIAGLSSDLFTHTHC IHGIGTYWNETEEPRIYK
FGVPYEE MYNSMTKTREDEEFFTRNTVLHL CRRGAAVKRAPQRWQDMPSDLISEHDV VIA
FEERIYDAVVEDLQIREPTENFAPIHVICLDTKDNPEEAQLQGQVALDLCWRLEAS EDLV
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>comp11845_c0_seq2; 223 1 823 LEN=1211; translated
LIFPQSNPREGDKDASETDLDTIHFMI AKERVSEFESFHQIKSLKNASAYENIPRPSTPP
GLPPPE SHHAPSKLSFGVVCSSNINRSMEAHVVLGNAGLRVESYGTGTQVRLPGRTAMEP
RIYKFGVPYEE MYNSMTKTREDEEFFTRNTVLHL CRRGAAVKRAPQRWQDMPSDLISEHD
VVIAFEERIYDAVVEDLQIREPTENFAPIHVICLDTKDNPEEAQLQGQVALDLCWRLEAS
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>comp11845_c0_seq3; 269 705 1121 LEN=1509; translated
MTKTREDEEFFTRNTVLHL CRRGAAVKRAPQRWQDMPSDLISEHDV VIAFEERIYDAVVE
DLQIREPTENFAPIHVICLDTKDNPEEAQLQGQVALDLCWRLEAS EDLVTEAPEILDEFE
REKMTHTPIKVLYQLCYL

>comp11845_c0_seq4; 223 483 953 LEN=1341; translated
MEPRIYKFGVPYEE MYNSMTKTREDEEFFTRNTVLHL CRRGAAVKRAPQRWQDMPSDLIS
EHDV VIAFEERIYDAVVEDLQIREPTENFAPIHVICLDTKDNPEEAQLQGQVALDLCWRLE
EASEDLVTEAPEILDEFEREKMTHTPIKVLYQLCYL

>comp11846_c0_seq1; 359 1 741 LEN=943; translated
SNHSDHTDPATKMMFKSLTAVMALMCASGASAFAPVITSKASVTSLDMASGNSEDASKKL
AASVLAATFILGNVVAVEPAQAMDDSYFGSSQVIAARSGGRAGGRSSAARAPSRPASSSS
RSSSSSTTVINRTYVTPAAPVYSSPSVIVAPPVYNPMPGLGLSLGLNAV NQIGNDMRDYR
QREIQDTRAE LQSSRMREAE MEARLRQLEAGQGQMSQAQQLQFQQQMMMQQQAAAANAAA
AAAAAK

>comp11847_c0_seq1; 276 253 606 LEN=861; translated
MQSTTPIMVVFLSVLVLALVNTGESFQAQIQVGNRSRSTQMELFGKRARI AKKVKKILGKD
NGNTIAVVEPEANFPTEKKIKLSNGRAKDLAKKYKDIDDVGERAFQILLDLNMVGRA

>comp11848_c0_seq1; 479 234 2606 LEN=2634; translated
MPFSLSHEKRSKQGT LWGIAFSPEIVVDGGSTYQYFATCGQHAFMYEYHRHEFRPFQRY
KSSNTEEDFYAITFAHRRFSHYNEAQLQHFDVQETKRIICVAGAGGDILVIDVDENRIDG
TLEGSVSSVFDLKAIDCELNGVRHLLCSSTKDEVRLWNLDTFANVCLFAGWPDGHFGDV
LSVAWHP TGSWIVSGGDEPSEKNAIPEGSKMKDFQICVWNVLDSPR IREAIQASSDLPK
FATERSQFHAHTERFAASVHNDVHSYIVDCVEWLG NLI LSKSVHSEILLWKPLVHDDGDY
RKSSIVPIK KFPYKKG DVYFVRFALSLNDPDSKSSFLAVGNSVGEISVWDLK LKTLDDK

PVKMASKILRTRKSKTTKPNLSLTPIKRSLAFSPDGEALAGCDEGGSVFLWETNKFRKQKS
ACTAAPKPALETA VAPKARDSLVPSETDMSPTNRAVSVFKTGSLLTVNATEIVAPSPRR
SSSVAGTSRGLKEWKVNPVTPKPTVNCEPSANIDTIDSAKFNDAKARSVVDSSEDPNVGT
SDNTKPNGGQOTISVAKANPSMIVDTSGNGKLSAGARFVAKSTSSSTMDTEKSTIPNSAG
AKFIADAKRSTKPTDPARTNSVSKSSSSLNENSKSTKPTPVRVGLLLDKHQSSSGADATK
SAANSSENTKSAVSILGAAPWIDLTEATAPSPGTKSNVFASLPKASPCIDLTTETSSNP
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KPECPIIDLS

>comp11849_c0_seq1; 285 179 1042 LEN=1257; translated
MGSVFGKETVKEPAFKTVLQRSIVPTPYQIREYGTFRVGENFARLVATERGMLCISTGG
FLTTLCFPLVGLFGFSLCCVNGNGTKRIESNEIEXQNPAEVEYAGGDKNTGTPFRALAR
YIGVFGTAENEGGEAMAMTAPVAMEQRKGTMPAMTAPVAMEGTTEGAGRKRKMFFLPEEY
DALEKIPKPTNPDKITELPPQVGVVHRYSGSLTEKLHDDKARALSAQLREDGIDRMTED
YVLQHYQFWGYNPPFTLPMFRRNEVWLELTREEVEVLREKFGTGEMN

>comp11849_c0_seq2; 341 179 862 LEN=1077; translated
MGSVFGKETVKEPAFKTVLQRSIVPTPYQIREYGTFRVVAEVEYAGGDKNTGTPFRALAR
YIGVFGTAENEGGEAMAMTAPVAMEQRKGTMPAMTAPVAMEGTTEGAGRKRKMFFLPEEY
DALEKIPKPTNPDKITELPPQVGVVHRYSGSLTEKLHDDKARALSAQLREDGIDRMTED
YVLQHYQFWGYNPPFTLPMFRRNEVWLELTREEVEVLREKFGTGEMN

>comp11850_c0_seq1; 416 61 1391 LEN=1471; translated
MLSLESIKTSTKKNSSYYYGRDLNITKYKKGEDGVRRRITLTKIGDDCDDQDGDDESKGIAV
ESSELWSNYDQGCTIRLLCPHKHNDVIQSLSTLEVEFHCVMXANAYLTPPRSSQGFAPH
YDDIDAFCLQLEGSKRWKVYEPKVKLPRTSSEDFTSEDLGEMKQVLDITLEEGDLLYMPR
GWIHQACTLKDQKSHLHLTVSSMQQWAWADLMDIVVPEALAAASESETSSNLREGLPAG
FMDYMGVQYEETEVDKLPESLKKSAEEMAADKKVQIRSLREQFREEAKERIMEIAKTA
CEMLDASCDEMAKRYISERQPPALTTSEVALTAQGETADDRPLLPNSMVRLVVRPGIARL
VIEDDKAVVYHCADNSREYQGNPLSPLFEMDDGPALEQLLTTVEPRWIFVNDLHFHDTVE
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>comp11851_c0_seq1; 594 171 2189 LEN=2998; translated
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GGRYQFCGRLVAPTSPTFLSELNEMLQSSTTDARRPDQRRGSGIRCHSTGLSATSTESKL
MILPNVFNAGELCIELKPKSSLGPFNGSSNKSTVTRYHGTMKQQTCRYCMHQAWKEHCG
KIPRQRNRGNLYCPIDLFSNDEGRMKMAIRALLNEPQNNLRLFPDQGEVTKKVTKAATS
SESERVLGMEVEEIVDVVVAGLRQSRVLEDLHRAHELDSDIEGMWHLRKLDSLENFDE
NTTIMDSMDQSCNFDHQKQEQQRREQDPKTHRLLQAMGCEVDDSLQVVRVSRVYQQMLE
KFLLAATLKDCSILISMRKIQSDQSHNRNRSERFVEMEYIEKCNNGNIYYVLISIVDLDMKP
SSRLSKYFNLDQDIVHHYSEMSGLHKKYCFGPTIPEKTPDSTIDESMVQIKGNMMCRILY
PNPVCLLTVYDRMTMHTANVMTITWLTPIDNSGTFVCSINKRRYTAELLHVSSIFVLNVPT
QDMEETVLGIGSCSGREIDKFQKFGLETCCPGHPSQNASDDDRTKHAVALQECVAHTLCI
VKEKQDQAVVWQ

>comp11851_c0_seq2; 603 171 2201 LEN=3047; translated
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GGRYQFCGRLVAPTSPTFLSELNEMLQSSTTDARRPDQRRGSGIRCHSTGLSATSTESKL
MILPNVFNAGELCIELKPKSSLGPFNGSSNKSTVTRYHGTMKQQTCRYCMHQAWKEHCG
KIPRQRNRGNLYCPIDLFSNDEGRMKMAIRALLNEPQNNLRLFPDQGEVTKKVTKAATS
SESERVLGMEVEEIVDVVVAGLRQSRVLEDLHRAHELDSDIEGMWHLRKLDSLENFDE
NTTIMDSMDQSCNFDHQKQEQQRREQDPKTHRLLQAMGCEVDDSLQVVRVSRVYQQMLE
KFLLAATLKDCSILISMRKIQSDQSHNRNRSERFVEMEYIEKCNNGNIYYVLISIVDLDMKP
SSRLSKYFNLDQDIVHHYSEMSGLHKKYCFGPTIPEKTPDSTIDESMVQIKGNMMCRILY
PNPVCLLTVYDRMTMHTANVMTITWLTPIDNSGTFVCSINKRRYTAELLHVSSIFVLNVPT
QDMEETVLGIGSCSGREIDKFQKFGLETCCPGHPSQNASDDDRTKHAVALQECVAHTLCI
VKEKQDQGSKTFGSVV

>comp11851_c0_seq3; 625 171 2321 LEN=3167; translated
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GGRYQFCGRLVAPTSPTFLSELNEMLQSSTTDARRPDQRRGSGIRCHSTGLSATSTESKL
MILPNVFNAGELCIELKPKSSLGPFNGSSNKSTVTRYHGTMKQQTCRYCMHQAWKEHCG
KIPRQRNRGNLYCPIDLFSNDEGRMKMAIRALLNEPQNNLRLFPDQGEVTKKVTKAATS

SESERVLGMEVEEIVDVVVVAGLRQSRVLEDLHRAHELDSLIDIEGMWHLRKILDSLENFDE
NTTIMDSMDQSCNFDHQKQEQKRREQDPKTHRLQLQAMGCEVDDSLQVVR SRYQQMLE
KFLLAATLKDCSILISMRKIQSDQSHNRN SERFVEMEYEIKCNGNIYYVLISIVDLDMKP
SSRLSKYFNLDQDIVHHYSEMSGLHKKYCFGPTIPEKTPDSTIDESMVQIKGNMCRILY
PNPVCLLTVYDRMTANVMTITWLTPI DNSGTFVCSINKRRTAELLHVSSIFVLNVPT
QDMEETVLGIGSCSGREIDKFQKFGLETCCPGHPSQNASDDDRTKHAVALQECVAHTLCI
VKEKQDQGHVLFVCAQQLAWSRKYFEDGKRFRSSSESLSPYLTFGLGSKTFGSVV
>comp11852_c0_seq1; 818 89 2422 LEN=2576; translated
MNRLRGVWPLLLL SLSVAQGEDALSGSNKHQSLNEPFQSSFHNLKHSPCTTLYNREGRTG
CGTVDREIQSGPIFYFDGSSVPAAGEDYVAVIEEYMTAEVINKLVSYNTEGNLKGIMV
LNGTDTNDSNDFPSPGPKYPLGYGTPSEGISYGDNSFAWNSNGDGLVHSDLYGVPMVYID
EYESSYIRSAAKDENKASDIYTEFNFMGPDGINSKDC LAWVDTESQNWNPKCAPLGGV
SVWGFAGSPPPSSDDSNANNNAKPAVVVGTSDVSTSMFHDLVPGSNEGASNVLATIMAA
YLLGQSVDDATLDQLPNRIVFGFFEGEAYGYLGSRGFIDDVYFNFCMDQYKVR SKANDEN
SDMACLYPMRPSLKFKDIGEIAAMLTVDQVGVPSGDGNLYVHNSGETDMGAFLAKVMKYS
GTSYYTAVASAANNNGDYPYPTPLNSLLSVTGGNVDGAVLTGYDYHFTKRPPYQSHLQ
WIKDQNMNLKAIASSATIMARTALAAAYDDGEYDYESASTYAKNAIPELSYENDVLDLA
NCLFVNGNCKLLKHKASMEEAANDKDKTGFNIGTGQSLGMPNYYVGIYHMNTGQPFVKVG
SKWYGSYDGADYKSKGDSFGMQPKMLQALRNMLHSFLGKGSMSVDENGVDLSPKKCSS
AGACKGISYCGADADSAMCSADNVCVKRGFYHIALDEALVPTPNKNTGFFDISSSDAGV
SPLWTEPYWSPNVGNLYRQSDTTAGWYVLAGGALFTAFCFFVVLLKVG MKKEKLY
>comp11853_c0_seq1; 741 168 2108 LEN=2416; translated
MPLGLAKDSMLNLAELASKTEGEPNAELED F SQNNLSEVENKASF TKVMVSDDEYEEWQI
DHNDSDNDFADNGKSNIEEGEASEEEMNHGEKIPISLNI SASPSVDMDTNGKPSRLDPK
VQQYAGFQADYHDFENYTSYGYQGNVSLSGTTVHDKVDKKDEAPWWQCIFPWSAVDDK
DEKDDSI EAGGLAQMHRS AKTNDVGKDYDDEISMISAESDNALGEKLSQKDRQAVLARLR
LAQPDGAEGGDSVVDGLSEFRKRSILKHASKNRDYYGLSTRSNASKESDSSRNLKGNRR
SLFPAYEPKVKKNLHTSFSPMARVLAIKSSKEMDEEEKGNIWWQKADYDEFRKTGRMIS
KVMLQGGSEIWLATNQSWQLPNQGAATLRR AIEINKEEASDKWWHNFHGSRRGLEHIAS
IDEGRQRQANVKTSVRAVLTEQRRQKVFHREDPQKLRMCSLQYTSWAKDLALASGASDAD
AVSKNFDDSRKSREFYLLKFSRAGKLNSTTIPQSGGPQTGGKQVVP AFMKPMMSIALKS
NRLDANTTSRLQFEKKEVAKT SKAHRVTS DVQPTLP GKNNRGNGSIKSIPIHDPKMKLV
GGESLASKAAGFANGEEAVNMSAVLTGMGAI AKNTDSTTRARPVLA
>comp11853_c0_seq2; 687 168 2060 LEN=2552; translated
MPLGLAKDSMLNLAELASKTEGEPNAELED F SQNNLSEVENKASF TKVMVSDDEYEEWQI
DHNDSDNDFADNGKSNIEEGEASEEEMNHGEKIPISLNI SASPSVDMDTNGKPSRLDPK
VQQYAGFQADYHDFENYTSYGYQGNVSLSGTTVHDKVDKKDEAPWWQCIFPWSAVDDK
DEKDDSI EAGGLAQMHRS AKTNDVGKDYDDEISMISAESDNALGEKLSQKDRQAVLARLR
LAQPDGAEGGDSVVDGLSEFRKRSILKHASKNRDYYGLSTRSNASKESDSSRNLKGNRR
SLFPAYEPKVKKNLHTSFSPMARVLAIKSSKEMDEEEKGNIWWQKADYDEFRKTGRMIS
KVMLQGGSEIWLATNQSWQLPNQGAATLRR AIEINKEEASDKWWHNFHGSRRGLEHIAS
IDEGRQRQANVKTSVRAVLTEQRRQKVFHREDPQKLRMCSLQYTSWAKDLALASGASDAD
AVSKNFDDSRKSREFYLLKFSRAGKLNSTTIPQSGGPQTGGKQVVP AFMKPMMSIALKS
NRLDANTTSRLQFEKKEVAKT SKAHRVTS DVQPTLP GKNNRGNGSIKSIPIHDPKMKLV
GGESLASKGESGHFERFVSVSCGCSVSDPW
>comp11854_c0_seq1; 375 65 820 LEN=1039; translated
MDERTRMLNTKSAVLSFFVSAIGWTLSEGFTTTPFLQH QYHPQRCAAGFCSTVFAYDDGS
YNQGSYEEGTYDDGSYSDGGYAENNDLLLIREFLQNNYPDFYITILDKNEE IWKAI GDTEE
GNEPGFTVFPVSVEALQNM DVEKQNQLLDERNLETIQKIAAYHVIGEPVTSEALFEAGGV
LTVGGVPIERSVTGGFFGFGGTEDGGVTLSAKILRSASVGGQLVHEVDNLVSPS IMWR
YMDQLRIPGSS
>comp11855_c0_seq1; 116 362 571 LEN=967; translated
MTAAMDYREHTIDDHTDLPRKAALRN LKVKLRDVRQLIQSDANIGRVNIDNHIQHDFFLM
EYKRAK AIR
>comp11856_c0_seq1; 294 48 953 LEN=1196; translated
MTKLQVAFLLAGAMAFPCYAFQSGGTLRNQHLLGDCANAAGRASAVACSASRRDVSQFLF
VPATLASVALLAPAEQPAFAANDEDLTAKMFNADGSLKEGVESEVKFRDVSFKWDQSDAF
AMNEDGTVNQETKSGSYELSYQYPMRWS DGKGDPIYFDRSEGINRKA AKRITV FQAPG
SVTPDRLEKATTIGVAKAIDAPQELSRLYKADVSGRTVEKGNQKYFEFDMASAPDTCGD
SKENLGLGFCPYDDLFLLSATVVNDRLYCMVVECDSTKVVKQESKELKRARSTFFVDEAT

XETKRNETRYRGSNHHAHGVPRVHEQPQGVSI PARNPSRGGPVFGPLAVALAVALAFANP
GVGSSGAEKPPARGNGQEVARGGGTGASAAWGSVATLSSVAAF DANGNGNANANANAATN
AFGDVLFDFLGPSQREGTYVARFEPEKAGAGLLPPLVREAMDTVVVEAEPVDEGPGARV
IWILSGAAGGLVLLGLGAAAAFRGPAGSPLGSRKGLVAAEPEDPPPASVARASGAGSPG
DGLFVDEYA

>comp11859_c0_seq5; 210 1 983 LEN=1052; translated
XETKRNETRYRGSNHHAHGVPRVHEQPQGVSI PARNPSRGGPVFGPLAVALAVALAFANP
GVGSSGAEKPPARGNGQEVARGGGTGASAAWGSVATLSSVAAF DANGNGNANANANAAGN
PRAPERNPPLYGVTADNTEDSSGEAETETE IPTGFYKISDLRDMDVVIYSLETETETETT
TGEGRDTPAALCLGALQEDGTLSPLSAWTDEPAFGDSIECLVDEEDRFVLAGATEEQRRR
EEGDGADGFGEARGGEMAGSTKLTGPVLRVHLLSEDEVSYGSRQCPRGPHNPHGEESEL
LYYVSQERVLDRFGVAPALKPDLEILW

>comp11860_c0_seq1; 163 176 1282 LEN=1968; translated
MPTDRGDANEKASDANSMDPNKKTTSADDHKNDVVQPLEPTGMPPWHSMTFLATMLSVTIP
FLPSSEELDDLSTVETWTHRVPGLVSLKGLALIRLGTAFVALGLTFYLACINEGWDVHP
NYKPHTKLRRDVCVRLQIGIGTLCPFTSWCWTMFGVGFTRGLVALAACLVEEGGDVLGFA
PDEAQRALLEKHVLQNRALLRTTMVLWEMSAPLAMLVSCVVKYSIWPQVVKGGKPHNLAG
IRNQLQHNCNSIFSLLEVTVLGGIPVVFSLHSMATFMGVVYILFTWTMATAYFGDSDHDKG
PQYIYWFMDPTLGNASTAALAVLAFVMTFFYALFAVLTGAFLDATNPGIVANTLVLLLGS
LAVCRFRD

>comp11861_c0_seq1; 285 78 1073 LEN=1363; translated
MITLLDARCDSLTTLTWEAIPGAKRYILELKTNDDEGFRQLSSNLIQPQARKKNLISEKNH
KFRVAPVFSNEETE VGSWISHDNAFRTLSKEEDEKSMEAPTTSIAGNQALMVSWKPASS
NDENKYELOMRENKGGEAWKTIAASLTGTGAKKKNLSSELGYQFRVRPVGPSLSVSFSPP
SEPSVAKGLSKALKQRWFSTLQNGTLLKNGTSAVVPLADALGGKEFVLFYVSAHWCPPCR
KFTPMLANWYKTVGKNFVEVFLSADHDEGFRSYFQASHPWMAIDFEDDTRERLMATLK
VSGIPRLVVIDANTGNIVEDNAV GKPLDLNQW

>comp11862_c0_seq1; 698 235 1554 LEN=1774; translated
MWLASSSKSSRSLRHSITPLKKGMMLLALVLFTE SVTLTKAVRSVEAFGGSAGGSGAA
RAQHESCAETSASSSSSSCAASGAQASLPPIVGRAGGSGGP IVAECCAEFRACRTRTKPE
GAMEECLALSRRGSLAATEAVGAAASAAAGTAVATPLGIPLYGWKILFQAFLTTINVCW
LVPLRSKSFGENKLALSLANAFSGGIFLSLAFGHMIECVHEYAASAVGDYNEATPYMLV
LSGYLLIFFVEKVAFDAHEIMHEMEQGGQSDDGNAVSKSSGSDATTTKNTGRSAMILLAA
LGVHSILEMMALGLSDSFSDSA ILLTSLIALHQPAESIALLVAF LKSGMPKDIITFLSVF
SAMGPIGVALGMVNEFAAPIVDAIMLAVVAGTFVYV GATEVIPEEWEDSEHKWKKFFAL
MGGIVSIFAITQYTM TLGV

>comp11863_c0_seq1; 310 1 896 LEN=1023; translated
XRRKSGCYRNQGRPVPSLEPTIEIFDGFEGEVEWRSASFGLDIAGAGANANATASPVPL
LPPNPDPSPPPEPTPSGEVVFVGVASESIMGPGGVFFGMIRDTDARIRPSFLGQTDAS
AFRIDLASRPTLTLRSRTALLGAAPDRIPTD LLLRRRYGDPVGHYTARAKSVVVDGVPLA
ETASGKGTKIFVIFDGTGVMVSRGLFDERYLQARRQSKTLFGRVELAFETEGGREVT
LAANKPLTTPFDPERTWKRFPKRREGRKANVHIIVMGLAFLDDRVLTVDIDEQRLWVA

>comp11864_c0_seq1; 423 66 842 LEN=1245; translated
MPDFSSEGF DIDASGGNTDDVIFEIGGGSTVVPKVEEAEAPTSQAPS DTPPSLLDQAEW
KQRGNEEFKKNYLEAYDMYTNAIEVCPCPVTVD DILRQRDEFDEMEREKMLRMEETR
QRRRDSSKKPTNNDPKEENTKTQSSAENTEGPRTFELEPQEHSEKLAIFLNNRSASLIQ
LERFENAILDADVA ILLNPTYVKAYIRRSSAYEKTERTEALRDMKRALELEPSNATVRR
SMMRLQKME DERLEKLKV

>comp11864_c0_seq2; 441 66 971 LEN=1142; translated
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KQRGNEEFKKNYLEAYDMYTNAIEVCPCPVTVD DILRQRDEFDEMEREKMLRMEETR
QRRRDSSKKPTNNDPKEENTKTQSSAENTEGPRTFELEPQEHSEKLAIFLNNRSASLIQ
LERFENAILDADVA ILLNPTYVKAYIRRSSAYEKTERTEALRDMKRALELEPSNATVRR
SMMRLQKME DERLEKLKEETMSKLDLGN SLLGNFGLSLDNFQTVQDPNTG SYSISFNQN
K

>comp11866_c0_seq1; 469 190 1212 LEN=1245; translated
MTTYTHSSGHRPQFLTAVAMYLLATTFSLAMFGHTITPALASSPPMPSSGSTRPLDEN
RFVRLAKKH YQKARELALIEQQVEDHNARWIASSKNRAEATSKRRLICLPLDERFDPPMG
MFSHGHTQTGDKISLPPCFMTTIKENKA EVPWLFKVS RVDECGSSGDKLTTGERVNIDVV
EKGFAAQPD LKEIVGGPLDCRAPANYCFMPWMMRALGLKPLDLVDVQLITTVPPGSMK

FRPHSAAFAKDISNPQAVMETELRHYSSTLTKGSSIAFDYNGKRYWFDVEELRAAPKGEKV
SMVKVQDCDLATDFLVSKDVVKEKKRLEEARRARLEAEE
>comp11867_c0_seq2; 512 145 1572 LEN=1763; translated
MAALIRPKSATYEVHENVTVDTLDNEDHTFCGIMFPIKCKDLLPIDHLVITSVAVRGLG
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PCPRGHYTELVFDEPVRLKPGEMRAFYIHSTLPGDQAIYVDNSYYGDSGRRYNDKLSIL
TGRAHVSTTCFGQDPIWGWGNAWRDRREFVGRLAYGTVYKLNPEVSPKFGTRFQDGT
RALLCQRRWESPVSALEAIYYILNMCPWDWFEDESTNTMKDRRKLERARKRLILAQQQYD
QEQQKAVASTTAFASKSDDGDAKPCMTGGVCTRTIHNQAAGTTGVAHGGKSTGLEDSEED
ADESYDMKDSDEEDNDVDDHSMDDREMNTDEDVDDDEDESFSDSSDDDDHYHNANRR
VFGFHYVSDDEENDGQEHDPHSPRTHWLRRIARVHVLRALASMEDQAFEHSL
>comp11868_c0_seq1; 715 223 2133 LEN=2539; translated
MLRTFLSLTVGMAAVKITVSSSSSRLSSFFYNKYDHYPPYCSNPSEMESRKIPPLRDYIG
TSNSKHANANGNGNHSDDTNNSTTTSTPLIGETRLAHVTSVVRHGARTPWSSEMKCWD
GFWDSPRTGVWDCGDLTTFMATPSRDGFFYNTGNSESGIGNDPAFFLFEKRYDALEFPED
GLANVLNGTCEMGQLLEQGYEQEIQNGKILRDAYTYTKGEYDHDERMRLLDLSLDDENDL
PWEYPHHLYFRADDYQRTVMMSGQILLRGLFDPEMTKIQSTTNKNIVIPLHIADEDRDIVD
PNKYVCPRLQAIEDKAVQSPDYQAFENSRNSKEIRDYMQDKVKMDDASVLDMMCTICT
DRPLPNAADDYDGTTKNWFTKMTEYKIQKYTKVMKYNNAEFAKLGMPPLWYEIMKNINRV
LAEEDGAPKLALFAGHDTTLMPLLASLGPDLWKDTEWAPYASMLIEIHELIDGRSDTISI
YTSKFAFRLLYNGKILTPKVDGCHEDCELCDIVHLKTIILDP IARRDIDCSAPITKEVTQD
LEQDVLSSSLDIESDEEPSHLLSLSSTTTGMAIFVILVMSGGLGSAITYLIMRKKFTHSF
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>comp11869_c0_seq1; 847 1 2743 LEN=3067; translated
XESLNFVIVKIPSLAVQHFFILFEILRSLYADVDDVKSGAELLDKCLKDVIVVAMNTGQ
FTAECVVPVAFARFVYMNNKDTKRLTLTWLQELTEKLI GAPILEFLHLFLTGFIDMIADPQ
PAIKQSALAFQLSVLPKLLDNHVVEAIDDFQTAGIKVDFDKILQSLVTTMEHPDPFVRK
IAMYWMSRIVKAHIGVEKKGQRDAGVSSSKSEADDDVFQGLEDENKKQKKQQQKKKQE
GSSKGGDDTAAPLSAATISVRNALPHVLPGILLSIGDNSHRKVT SREYFLPDTTHTLAD
QTNAQLQAVRKDGKAYVQHLSDFIVALREELDSPGGVNARNPPAIERRPYRMDVKYDGS
GIESQGWFRASDDTKEANEDSMMSRLCALHWIIVLYESVVPDVLKADYAREFIPIIHQ
LVDDPPEKIIYKSLEVLAKITIPVKGEHSGKRSANKSLSGLALSSPSWVAPT VGENRDES
PYPMNDSSIGFALDLLDKQRSLLRSRDREVFSAIQLYSCNLHLIGDLSRVISYMCRLQP
PEFVYVSFAVELDNFVRRQTRNKKRKDVSHHLSQDYQFVSAFIQQMCLVLLNSKEASEL
RNVLKDCIGYGREAEERDRRRSRLFHILLHSF SHNLVATTSLCLWGGACRTASXISQEDR
SLDISLVFLELDKLVEMIERPLFRNLHVRMLETDKNPLAEGSGTMLFQVLKSILMLLPQ
SACYNILRDRLVMSRFRQSVIANDSHDDEQNL SKETE VFSRVLSVRRMHCR TVWETIR
AESLESIPSRGPKSSAETKDEEGQSRPEGSRRDRLWLGYSVVEEATAKAKYKQQLNMVA
GSEGEVEIEITGSYKEFFTFFPSDAFTE LAPNDEPAPVSFEQQSNPNAASTEDAKESKEE
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>comp11870_c0_seq1; 562 439 2007 LEN=2097; translated
MKEATDMVKG NLPNEDSDHSVENSSDAIWK SAMDPASGKIYYDTITRKTQWKKPAKL
KELEKRKKKERRRIAKEFFNEMEKNILDSLRSRGEVIPGIPIHKTKAEGPPKELLPKSHVR
TISAMHGVLLEELGVNPNNTLTKESNETPKYQKATQRNSASMSGRPPLPEFRRSVQDVEK
TSTQRNSVSSEKLSRQKMGEKITDET NQKPVCDLAGEKILDAPINDKLYELRHDQIDVST
RPLMGHTRRNTGGTIYLNQSMANPDVKATIKCVCGVYRAHIGQSKKHAHACRNNNAKSIS
KFGVFDNFGSRKRRGSTQVPSLTEIVEFYEA FYERSQMEHDTIIFSLIYIERLIKSTNG
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SESRRDRRSKSMDDGIFDTISNKDLLSGDPVLNDSVCLEQLVN
>comp11871_c0_seq1; 270 1 1119 LEN=1898; translated
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CIPSDIAVVTPIYAAQARLIRRMTRRLTQNSNQGYIEVSSVDGFQGREKQAVVFSAVRSND
YGAIGFAGDWRVNSFTRARRALIVIGNDQTLRRGDPDTWMPWLA WADAHGLNMDKPGV
PRGRYDPEQLRRVRGGTTAAEMLKDVLERQQAQLKIAEKQLQKA EKNAAGHIIGKDDDEE
GSGEAGNAANGQGLSLEEDLARLTNTDGNWDDSDDEDDCNMHHSTSQPTLSSVDRADESC
SENDS PVDVWDL
>comp11872_c0_seq1; 577 227 1387 LEN=1587; translated
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AQRDQERSRQELLSKIARLTDSLKEAQENIKFEKDKRKKKEKSLKLAKEKLRNLQREQ
DEDRFEELEEKRYLEHHWVLAQKELDQEKALHAKLHEDTEKEYDQGMKEEKSKYERMSK
ENETRLADLKKAHIEQCEQLGREAWKANLEADRLHEELIARGLDVPRRTLANEERPAVRD
QSRLQLIILYFSIISSIIYAYLGNDIKEIFSRKGICAPLIPGTTLDDNAYGVFEAPWWAP
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IKVNYIEFWKRNYSDEVPVDWLPKS

>comp11872_c0_seq2; 299 272 931 LEN=1131; translated
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NAYGVFEAPWWAPAVFKEQMFTAICTEGGFNSALSKTFTSTPSSIEWARDGKNNRLVVSTQ
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>comp11872_c0_seq3; 299 272 931 LEN=1318; translated
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RTLANEERPAVRDQSRLQLIILYFSIISSIIYAYLGNDIKEIFSRKGICAPLIPGTTLDD
NAYGVFEAPWWAPAVFKEQMFTAICTEGGFNSALSKTFTSTPSSIEWARDGKNNRLVVSTQ
GKAVLKRSTAKAQIKVNYIEFWKRNYSDEVPVDWLPKS

>comp11872_c0_seq4; 577 227 1387 LEN=1774; translated
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DEDRFEELEEKRYLEHHWVLAQKELDQEKALHAKLHEDTEKEYDQGMKEEKSKYERMSK
ENETRLADLKKAHIEQCEQLGREAWKANLEADRLHEELIARGLDVPRRTLANEERPAVRD
QSRLQLIILYFSIISSIIYAYLGNDIKEIFSRKGICAPLIPGTTLDDNAYGVFEAPWWAP
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>comp11873_c0_seq1; 701 1 2012 LEN=2076; translated
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GWHEHDPMEIWRITVDCIKAVIEAMDKEVKKHNNKFLSGYSIAAIGITNQRETTVAWNAV
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KDLVKEVCEPHNVPLTALPEIKASSEIYAILQKDSTGIDKLQGVPSAILGDQQAALFGQ
VAFEPGEAKNTYGTGMFLMMNTGTKLVPSTHGLTTIAYKISDEVVYALEGSVSHSGSTI
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IIRAALAAAYQAREVFEEI EADSVELKALKVDGGGSHNKLMMQFQADMINAPVVIPQV
QETTAMGAFAAGLAVEFWKDKQEI KSLWNQAGLFTPLMSEQQRESNWEWKKAIKRSLD
WVETEEDDKFVDAREGTDSSVIRENDDKSTSKNNTKSDASGKSMRAFISLVLGATVAGG
AGFLLGRRKR

>comp11874_c0_seq1; 350 372 1463 LEN=2327; translated
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LLVWKKGVDTTAFHPIHRDREMRERMIGTHGNPDDFLIVHVGRLAKEKRLKDLRGVLEEI
NTRRNWNRNRTCPTIRLCIVGSGPEEEELRRYFEGTPTVFLGRLDGKELGQAFASGDVFC
MPSDSETLGFVLESMA SGVPCVAARAGGPIDLI EDNVTGYLVPTGDVSAFADRIEAMMN
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KTS

>comp11875_c0_seq1; 284 87 2509 LEN=2719; translated
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SRTIEPMLDKAVLHEGGWF EAQNPSPERKDDAFASLVVQFP SVYSGGELVMKHGGRKVT
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GLVPLLSWALEKIGXTGPIGFELGSWNRLNNGMKS LINGPELEVVKSLLFHNKYLP PGAN
LYVELIIVLQRIDDKVAIRCVDLDGGSKEAAYSDTITVIDSKSKGAADLNSLEWVGKI
PASEDPYCSRFGSGSNALS KTVYKKNLVVFPARHEFQQLMKCRKFESAARWLLNSIRSL
KIPCEKANS LPARFVLD RYDWDLHWEPLISAYSSNHIYGAFTLLFDIVTQSKRRDHAARL
LSICENLQTNEISQSSILNFIGCFGWDSFKSSLPRLILRNHRTLDIASTLLRASVVPKD
DDLITTISSDWE SFLSFGLDGTDEEVNIRPLWFFLSALNKPDERRVAIELNARKRFATG
IFRFLQIHLEDAI IDPNEKAFVLTLLDGLFRDLRDMVRVAEEADAGVETNIQE QI WNC
LEDKDAVLDDLYEYKFR LDPILKVLWKL FENMRD DERLAVLSDLVVERYTDLHHTRLLEI
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LADPIPDPTPDLEHPTKRVKREAGNPL

>comp11876_c0_seq1; 877 75 2840 LEN=2990; translated
MSARIILRRNALGNCVHGRSRTALVLDSSSRRLASASSSLRRRPLPKTQDAALTAIRVED
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FENFFPKEKEGDADLSASGTSKSSGKASSNEHANHNENNDKQATLKSAGDGKQRKRQR
RSGIPPPEDNEPQNI PAMIALLLLI SAANNFFKSEDDENEGGRNGGEITFVDFRNHLDDT
GQVDKIVVVNNSLARVILHPGSKGMPSNSQSSSSSTISAARTSSGHETNPAGLESQSSDD
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QYVNEINILQEFIKLTPMLAMLGILFYYSRGLMGGGAAGGIGGGGGGGPGGIFQVGSNA
KKVNPETVNVSFKDVAGCEQAKLEVMEFVQFLSSPEHFTRLGAKTPKGALLCGPPGTGKT
LLAKAVAGEAGVPFYSISGSDFIEMFVGVGPSRVRDLFKEARANTPCIIIFIDEIDAVGRQ
RGRGGFSGGNDERENTLNQLLVEMDGFSPPTGVVVLGAGTNRVDILDQALTRPGRFDRQIT
VDRPDLQGRKEIFGVHLEGLNLEGEVEEYAGRLAGLTPGFAGADIANLNCNEAAIIVAARRK
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PRASGALGFAQYLPKEVFLRTQEQIMDIVCKTLAGRAAEVFFGRVTTGASDDLKRVTQM
VYSTIQTYGMNSRVGLAYPQSDDGMPGDKPYSDESTAEAMDDEARAMVDEAYKRTIELII
ERKHEVEKVANLLEKETITHTDDMIDLIGERPFDDGASDASYQYVSRSSQLGQETTDKSRCD
QKEDISQDKQDNEGLAPGLA

>comp11877_c0_seq1; 314 1 1158 LEN=1158; translated
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EGARASARDSKRWLLVNLQRDSEFSCHALNRDVWRDELVENLIGDGFVFWQEFDTTPEGS
QYADRYKVYDYPHIGIIDPRTRRLMWKKEGWTQVNPLTAERFAEYAMDFCSRHSLDRPPQ
AIRPPGAASRAAKRPMHEMSEDEQLQAAMRASLQDSTGGGSDDDDDDVVIVDSSGQQLDD
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QSVKHVYAFVAVRCVAFCFVFLFRGIGX

>comp11877_c0_seq2; 249 1 869 LEN=1151; translated
XLNMRNVWYFFDLGSELAKADNTLLTLLFGLDLARFRTPHQQFDTTPEGSQYADRYKV
YDYPHIGIIDPRTRRLMWKKEGWTQVNPLTAERFAEYAMDFCSRHSLDRPPQAIRPPGAA
SRAAKRPMHEMSEDEQLQAAMRASLQDSTGGGSDDDDDDVVIVDSSGQQLDDDDSKPRAVE
PSAAAAAPPAAPPMSMLEELVPFDVGPPEPEKGARIQFRMPDGKRKIRRFDP
QSVKHVYAFVAVRCVAFCFVFLFRGIGX

>comp11877_c0_seq3; 399 1 1253 LEN=1535; translated
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ETGSGNAEEDEDDDSYAGSGSHADGDDPMGSESSSSGGGGGLADLFSPPVHLICNAGGF
EGARASARDSKRWLLVNLQRDSEFSCHALNRDVWRDELVENLIGDGFVFWQEFDTTPEGS
QYADRYKVYDYPHIGIIDPRTRRLMWKKEGWTQVNPLTAERFAEYAMDFCSRHSLDRPPQ
AIRPPGAASRAAKRPMHEMSEDEQLQAAMRASLQDSTGGGSDDDDDDVVIVDSSGQQLDD
DSKPRAVEPSAAAAAPPAAPPMSMLEELVPFDVGPPEPEKGARIQFRMPDGKRKIRRFDP
QSVKHVYAFVAVRCVAFCFVFLFRGIGX

>comp11877_c0_seq4; 164 1 774 LEN=774; translated
XLNMRNVWYFFDLGSELAKADNTLLTLLFGLDLARFRTPHQQFDTTPEGSQYADRYKV
YDYPHIGIIDPRTRRLMWKKEGWTQVNPLTAERFAEYAMDFCSRHSLDRPPQAIRPPGAA
SRAAKRPMHEMSEDEQLQAAMRASLQDSTGGGSDDDDDDVVIVDSSGQQLDDDDSKPRAVE
PSAAAAAPPAAPPMSMLEELVPFDVGPPEPEKGARIQFRMPDGKRKIRRFDP
QSVKHVYAFVAVRCVAFCFVFLFRGIGX

>comp11878_c0_seq3; 363 131 676 LEN=742; translated
MVKTTLFI A AATVA AVGAFSPNMPQTESPATARRDFFKDTAAV VAGAALVSM PQVASAAV
EVPEQVTQYSFPENWGLTLKYEEDA AKVREHMYTATTLGKGADRME EYGKNMKKEMIDFV
SYRRFPKIAGKPSFSTLYTSINVLAGHYTSYGYKYPLPEKRRKRLYQEYSEIAKSLKRG
R

>comp11879_c0_seq1; 856 363 2597 LEN=2823; translated
MFRWLTQYPDI INNRLEEGLAEDVSVDNFYLDMNGI IHPCTHGNNDEL VYLDETAMFK
KIFLYVDRLYKMQPNQVLYLAVDGTAPRAKMNQQR SRRFRSAKEAEQLAADLAARENFK
GKELKIEKDKQRFDSNCITPGTDFMLKLSLALQKWVDYK LKTDPFWMNGATVIVSGPDVP
GEGEHKVMDFIRESQOEYRKTGESTDLYGPGWTHVLYGLDADLIMLGLVTHE SNFMLLRE
KMSVVMAGRGRNKYRKKKDMMEYTRHDFELLE LASLRKLLAIQFRKFS DQLEGDYSLDRI
VDDFVFMCLVGNDFLSHCPHLEINGGAI SLMMTTYIDL LPDWGGYLT DREKIAPERFEE
FIYHLSVYEEHFKKRGYEENE PGWKLES DNEHDENDFY GIFYSGNPTPSCAVAA NVKGS
EPPPSRKVKKVPKTSAEVASEEEMKKVDE DNEYPHVVGPKGNRAFRRRH PDSQARSYRDF
YYESKLGWPTEDREKTLFHRRAHARDYLEGLHWNLNY YHNGCCDWDWYFPHLYSPLATDM

VNLDEFYHDDPDDAEFKSFPFELGTPFPPLAQLLSVLPQSANLLPTALGELMLHPSSPL
IEYYPSDFTSDPNGKRQAWAEIVQIPFIESELLLDTVNQILEKDDGDNKILTPSERRRNR
PGKIHFKPTGDGEKVDKNTNGSNVSSKRSARGKKSNNVRGGQAKRTSPTSSVAGSKKKP
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>comp11879_c0_seq3; 387 1 1113 LEN=1339; translated
LFRSEENEPGWKLESDNEHDENDFYGIFYSGNPTPSCAVAAANVKGSEPPPSRKKVKKVPKT
SAEVASEEEMKKVDEDNEYPHVVGPKGNRAFRRRHPDSQARSYRDFYYESKLGWPTEDRE
KTLFHRRAHARDYLEGLHWNLNYYHNGCCDWDWYFPHLYSPLATDMVNLDEFYHDDPDDA
EFKSFPFELGTPFPPLAQLLSVLPQSANLLPTALGELMLHPSSPLIEYYPSDFTSDPNG
KRQAWAEIVQIPFIESELLLDTVNQILEKDDGDNKILTPSERRRNRPGKIHFKPTGDGE
KVDKNTNGSNVSSKRSARGKKSNNVRGGQAKRTSPTSSVAGSKKKPSPKKARKTKVPSK
ARKTKVSSEK

>comp11880_c0_seq1; 335 52 890 LEN=890; translated
MNLSHYVLTALIVSGVASANDSQGCCSLDYKDCISWCGSTYDSCVNCGGSEGWLPNGAAS
PTCGKRWTGCEENNGAGHSGCCPGLTCQSNNGGKWSCLPGNNSPVDPTPSPVAPPTSPPT
PSPVSPVSSPVSSPTGGGGNNPTPGKATFYDGNPSGGACGYNDLPQVTFPMGFVSAIG
GEEFDNGYGCACYEVTVCVGGYGDNPNCCLCGDSGQNTVIVQATDLCPCGCTTHFDLNTNA
FTEIVKDQSSMADTCGVLETQFRRVSCFENDNIKIRSKX

>comp11880_c1_seq1; 128 1 364 LEN=406; translated
XIKIRSKSGTSGWWYGLHIDDVAGYGAIQSIKLRALREVGQDSFDIVCDKSMGASYWF
CNRPDGRVLEAPLDVHLTDSAGRTLQKNNVITNLDGDQEFDFKTNFGPIDGSNPSYLRGR
A

>comp11881_c0_seq1; 234 1 837 LEN=1015; translated
XVSGNNEVLLRLDQREMPPLKFGIFQCGRKQLNSPRFFSGNLLTGKIPESFFGLDNL
VVLGLDDNALESPIAPFGNLTKEKLYLEDNLTIGEITEETIGGWQNMVDLDSVNRLEG
PLPENLWSMGKLEVVDLSGNDFIGQIPKIGAVQDNLVFLALHDNNLEWRIPETISNFVNL
KHLDISANRMTIPFPSTMSKLTNLVSIYTGINGFGDHPLPSFLQSMPLREISMKQNQIT
GTIPTFLGNMTDLQVLDLDFNKIKGTIPSVSRTRIFPA

>comp11881_c0_seq2; 734 259 2256 LEN=2434; translated
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GEDDNVHDQLPTVDDYKATVSFKNKGATSLADGASNMVKSRAGLFHFGLSIPVHCPHYG
VSICTVGCQFCVHFFICRVIKRNKPLKTFGLGADEIRFSDKIFYPLAGFLIVVFSIA
VPLAMKNQGGKSEVAAVEADTGSGSYASGSKIITATPISSPTRAPTAVPTKSRDYAIF
DYLNVYDFAKRSDLLEEGTAVGLATKWIAEEDKFEMPIPTATSGNRFIERWALAVFWFST
NGHLWTFPLNFMRPIDHCQWHSFFQDPTGEIIQMGVTKCVEDFDGERVSSIEMSNLIG
SIPTEIRYLVDLKMWITPFAALNEGVDLAPFLEMGKSLSHLELQYCSVTGTIPEELGKL
KKLEFLGLGNLLTGKIPESFFGLDNLVVLGLDDNALESPIAPFGNLTKEKLYLEDNLI
TGEITEETIGGWQNMVDLDSVNRLEGPLPENLWSMGKLEVVDLSGNDFIGQIPKIGAVQ
DNLVFLALHDNNLEWRIPETISNFVNLKHLDISANRMTIPFPSTMSKLTNLVSIYTGING
FGDHPLPSFLQSMPLREISMKQNQITGTIPTFLGNMTDLQVLDLDFNKIKGTIPSVSRT
RIFPA

>comp11881_c0_seq3; 784 259 2626 LEN=3318; translated
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IAVPLAMKNQGGKSEVAAVEADTGSGSYASGSKIITATPISSPTRAPTAVPTKSRDYA
IFDYLNVYDFAKRSDLLEEGTAVGLATKWIAEEDKFEMPIPTATSGNRFIERWALAVFWF
STNGHLWTFPLNFMRPIDHCQWHSFFQDPTGEIIQMGVTKCVEDFDGERVSSIEMCKYFL
LEFVVTEFEILPIAATISNITHTRTSTTKTSLKWIANNLIGSIPTEIRYLVDLKMWITP
FNAALNEGVDLAPFLEMGKSLSHLELQYCSVTGTIPEELGKLKKLEFLGLGNLLTGKIP
ESFFGLDNLVVLGLDDNALESPIAPFGNLTKEKLYLEDNLTIGEITEETIGGWQNMVDL
DSVNRLEGPLPENLWSMGKLEVVDLSGNDFIGQIPKIGAVQDNLVFLALHDNNLEWRIP
ETISNFVNLKHLDISANRMTIPFPSTMSKLTNLVSIYTGINGFGDHPLPSFLQSMPLRE
ISMKQNQITGTIPTFLGNMTDLQVLDLDFNKIKGTIPSELGRLTGLDTLMLNRNFLQGTI
PASFSNLIDLVDLILDANNITGSADPICVNTAKLTFSSDCGGLESEVNCSCCTVCCND
NNATCENNFDWRVNLDGIWEYDYQRLVYSFSQELLPSSAKMNYTNEKLEADSNIASSGNST
RNSTGARE

>comp11881_c0_seq4; 801 259 2082 LEN=2260; translated
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GEDDNVHDQLPTVDDYKATVSFKNKGATSLADGASNMVKSRAGLFTFLGLFLFTALITA
IAVPLAMKNQGGKSEVAAVEADTGSGSYASGSKIITATPISSPTRAPTAVPTKSRDYA

IFDYLVNYDFAKRSDLLEEGTAVGLATKWIAEEDKFEMP IPTATSGNRFIERWALAVFWF
STNGHLWTFPLNFMRPIDHCQWHSFFQDPTGEEIQMGVTKCVEDFDGERVSSIEMSNNNL
IGSIPTEIRYLVDLKMWITPFFNAALNEGDVLAFFLEMGKSLSHLELQYCSVTGTIPEELG
KLKLEFLGLGNLLTGKIPESFFGLDNLVVLGLDDNALESPIAPFGNLTKEKLYLEDN
LITGEITEETIGGWQNMVDLDSLVRNLEGLPENLWSMGKLEVVDLGNDFIGQIPKIGA
VQDNLVFLALHDNNLEWRIPETISNFVNLKHLDISANRMTIPFPSTMSKLTNLVSIYTGI
NGFGDHPLPSFLQSMPLREISMKQNQITGTIPTFLGNMTDLQVLDLDFNKIKGTIPSVS
RTRIFPA

>comp11881_c0_seq6; 277 1 1260 LEN=1952; translated
XVSGNNEVLLRLDQREMPPLKFGIFQCGRKQLNSPRFFSGNLLTGKIPESFFGLDNL
VVLGLDDNALESPIAPFGNLTKEKLYLEDNLITGEITEETIGGWQNMVDLDSLVRNLEGL
PLPENLWSMGKLEVVDLGNDFIGQIPKIGAVQDNLVFLALHDNNLEWRIPETISNFVNL
KHLDISANRMTIPFPSTMSKLTNLVSIYTGINGFGDHPLPSFLQSMPLREISMKQNQIT
GTIPTFLGNMTDLQVLDLDFNKIKGTIPSELGRLTGLDTLMLNRNLFQGTIPASFSNLID
LDVLIILDANNITGSADPICVNNTAKLTFLLSSDCGGLESEVNCSCCTVCCNDNATCENNFD
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>comp11881_c0_seq7; 844 259 2505 LEN=3197; translated
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IAVPLAMKNQGGKSEVAAVEADTGSGSYASGSKIITATP ISSPTRAPT PVAVPTKSRIDA
IFDYLVNYDFAKRSDLLEEGTAVGLATKWIAEEDKFEMP IPTATSGNRFIERWALAVFWF
STNGHLWTFPLNFMRPIDHCQWHSFFQDPTGEEIQMGVTKCVEDFDGERVSSIEMSNNNL
IGSIPTEIRYLVDLKMWITPFFNAALNEGDVLAFFLEMGKSLSHLELQYCSVTGTIPEELG
KLKLEFLGLGNLLTGKIPESFFGLDNLVVLGLDDNALESPIAPFGNLTKEKLYLEDN
LITGEITEETIGGWQNMVDLDSLVRNLEGLPENLWSMGKLEVVDLGNDFIGQIPKIGA
VQDNLVFLALHDNNLEWRIPETISNFVNLKHLDISANRMTIPFPSTMSKLTNLVSIYTGI
NGFGDHPLPSFLQSMPLREISMKQNQITGTIPTFLGNMTDLQVLDLDFNKIKGTIPSEL
GRLTGLDTLMLNRNLFQGTIPASFSNLIDLDVLIILDANNITGSADPICVNNTAKLTFLLSS
DCGGLESEVNCSCCTVCCNDNATCENNFDWRVNL DGIWEYDYQRLVYSFSQELLPSSAKM
NYTNEKLEADSNIASSGNSTRNSTGARE

>comp11881_c0_seq8; 741 259 2203 LEN=2381; translated
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GEDDNVHDQLPTVDDYKATVSFKNKGGATSLADGASN MVKSRAGLFTFLGLFLFTALITA
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IFDYLVNYDFAKRSDLLEEGTAVGLATKWIAEEDKFEMP IPTATSGNRFIERWALAVFWF
STNGHLWTFPLNFMRPIDHCQWHSFFQDPTGEEIQMGVTKCVEDFDGERVSSIEMCKYFL
LEFVVTEFEILPIAATISNITHTRTSTTKTSKLWIANNNLIGSIPTEIRYLVDLKMWITP
FNAALNEGDVLAFFLEMGKSLSHLELQYCSVTGTIPEELGKLKLEFLGLGNLLTGKIP
ESFFGLDNLVVLGLDDNALESPIAPFGNLTKEKLYLEDNLITGEITEETIGGWQNMVDL
DSLVRNLEGLPENLWSMGKLEVVDLGNDFIGQIPKIGAVQDNLVFLALHDNNLEWRIP
ETISNFVNLKHLDISANRMTIPFPSTMSKLTNLVSIYTGINGFGDHPLPSFLQSMPLRE
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>comp11881_c0_seq9; 674 259 2377 LEN=2555; translated
MTTDLEQDTSQDYIEDNSTLQPPPSDDDFMDVNPADVENQDGMADGNAFSDVAVDNPGD
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VSICTVGCQFCVHFFICRVIFFPKRKNPPLKTFLGADEIRFSDKFYPLAGFLIVVFSIA
VPLAMKNQGGKSEVAAVEADTGSGSYASGSKIITATP ISSPTRAPT PVAVPTKSRIDAIF
DYLVNYDFAKRSDLLEEGTAVGLATKWIAEEDKFEMP IPTATSGNRFIERWALAVFWFST
NGHLWTFPLNFMRPIDHCQWHSFFQDPTGEEIQMGVTKCVEDFDGERVSSIEMCKYFLE
FVVTEFEILPIAATISNITHTRTSTTKTSKLWIANNNLIGSIPTEIRYLVDLKMWITPFFN
AALNEGDVLAFFLEMGKSLSHLELQYCSVTGTIPEELGKLKLEFLGLGNLLTGKIPES
FFGLDNLVVLGLDDNALESPIAPFGNLTKEKLYLEDNLITGEITEETIGGWQNMVDLDSL
SVNRLEGLPENLWSMGKLEVVDLGNDFIGQIPKIGAVQDNLVFLALHDNNLEWRIPET
ISNFVNLKHLDISANRMTIPFPSTMSKLTNLVSIYTGINGFGDHPLPSFLQSMPLREIS
MKQNQITGTIPTFLGNMTDLQVLDLDFNKIKGTIPSVSRTRIFPA

>comp11881_c0_seq10; 777 259 2679 LEN=3371; translated
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GEDDNVHDQLPTVDDYKATVSFKNKGGATSLADGASN MVKSRAGL FHF LGSIPVHCPHYG
VSICTVGCQFCVHFFICRVIFFPKRKNPPLKTFLGADEIRFSDKFYPLAGFLIVVFSIA
VPLAMKNQGGKSEVAAVEADTGSGSYASGSKIITATP ISSPTRAPT PVAVPTKSRIDAIF

DYLVNYDFAKRSDLLEEGTAVGLATKWIAEEDKFEMP IPTATSGNRFIERWALAVFWFST
NGHLWTFPLNFMRPIDHCQWHSFFQDPTGEIIQMGVTKCVEDFDGERVSSSIEMSNLIG
SIPTEIRYLVDLKMWITPFNAALNEGVDLAPFLEMGKSLSHLELQYCSVTGTIPEELGKL
KKLEFLGLGNLLTGKIPESFFGLDNLVVLGLDDNALESPIAPFGNLTKLEKLYLEDNLI
TGEITEETIGGWQNMVDLDSVNRLEGPLPENLWSMGKLEVVDLSGNDFIGQIPKIGAVQ
DNLVFLALHDNNLEWRIPETISNFVNLKHLDISANRMTIPFPSTMSKLTNLVSIYTGING
FGDHPLPSFLQSMPLREISMKQNQITGTIPTFLGNMTDLQVLDLDFNKIKGTIPSELGR
LTGLDTLMLNRNRLQGTIPASFNLIDLVDLILDANNITGSADPICVNNTAKLTFLLSSDC
GGLESEVNCSCCTVCCNDNATCNDFWRVNL DGIWEYDYQRLVYSFSQELLPSSAKMNY
TNEKLEADSNIASSGNSTRNSTGARE

>comp11881_c0_seq1; 717 259 2800 LEN=3492; translated
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GEDDNVHDQLPTVDDYKATVSFKNKGGATSLADGASNVMKSRAGLFHFLGSIPVHCPHYG
VSICTVGCQFCVHFFICRVIFFPKRKNPPLKTFGLGADEIRFDSDFYPLAGFLIVVFSIA
VPLAMKNQGGKSEVAAVEADTSGSGSYASGSKIITATPISSPTRAPTVAVPTKSRYDAIF
DYLVNYDFAKRSDLLEEGTAVGLATKWIAEEDKFEMP IPTATSGNRFIERWALAVFWFST
NGHLWTFPLNFMRPIDHCQWHSFFQDPTGEIIQMGVTKCVEDFDGERVSSSIEMCKYFLE
FVVTEFEILPIAATISNITHTRTSTTKT SKLWIANNLIGSIPTEIRYLVDLKMWITPFN
AALNEGVDLAPFLEMGKSLSHLELQYCSVTGTIPEELGKLKKLEFLGLGNLLTGKIPES
FFGLDNLVVLGLDDNALESPIAPFGNLTKLEKLYLEDNLI TGEITEETIGGWQNMVDL
SVNRLEGPLPENLWSMGKLEVVDLSGNDFIGQIPKIGAVQDNLVFLALHDNNLEWRIPET
ISNFVNLKHLDISANRMTIPFPSTMSKLTNLVSIYTGINGFGDHPLPSFLQSMPLREIS
MKQNQITGTIPTFLGNMTDLQVLDLDFNKIKGTIPSELGRLTGLDTLMLNRNRLQGTIPA
SFSNLIDLVDLILDANNITGSADPICVNNTAKLTFLLSSDCGGLESEVNCSCCTVCCNDN
ATCNDFWRVNL DGIWEYDYQRLVYSFSQELLPSSAKMNYTNEKLEADSNIASSGNSTRN
STGARE

>comp11882_c0_seq1; 892 108 1820 LEN=1927; translated
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GNEVGQGPQSDAEQFQDRTLSSWKDLAEVGLVDDFDYKHTKPITGGGQYFTNNAMNAS
KKEIGAMLDARSMDVRDEIVQFVDRQLDSIALTSDCMDDEIAQMLFGDFEEGAFFELNDE
FVLDAAKEPEPEGEDDEEAFDYASHIQGLIAKAKMONEGLGEMATIEHAGRKDQEFFANAK
RVDKGYNDSDDDSGYFDEHDL EIVGVPGVVPKLTAEAEQALCDKFNMALEYSDDMGE
YDDDDVIGDLPLEGDAQIEAALDDFLTEKKDEIFMQGTRHYMDGNKNGSGFAALVGT
KMPAKEIVESETNNRDIKPI SDVLGEADTLRAPNAAPPTEEIFIDGKSYFSERMKNPWDC
ESILSTYSNLDNNPMTIGSSRRRRRPPKPKGRGMDGNGSTVPIEEHKTQLSEKTGLPL
GVLPSGRAVDYGDSEYFDGADTYMSVNGEKERSKNETAEKLRKLTVKKERQLARMQKK
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>comp11884_c0_seq1; 1892 283 3281 LEN=3281; translated
MEDPTPLAPLSSNAFDGNPSAGILMKSIDDNDALSDSSSVSSESSVSSDSSLSTEGSN
DSDSTEETHPVLSSSNSTVSMDEADNP SLVATNEKEPLHPGDQELPPP KPKTL P
APDLQV SKKKTVPARVSYVEGMENLQSLHEKVRQSKIKMDSLKLHHRVRSKEQLS
QKTVLERDQ LLTELQSKTSLLAQAKEEALLWKQKHNDLAASRASASGADAQTDKED
PVWKERFETAQSE LLEGRNKAKEASERADKSEAELEELNRRFEEARAEWETERASA
ERSAEASMEETISAKDA ELAALKQDHEALRTEWEASRSKAEAAEAEERCKAEKIR
LLEEKTEGLRLEASQSQD QKDAGQELTDSLRAEQAQKAMDSKDRIEKELSELQET
CDAQAQKVKSLTEENEQLQKQ AADGASEKQDRLEEAIAAAVSELQEKLDASER
SAESLKEQNEELEKKVAEGVSKHEDAAT EAESLREQERLQNELSVKTNHEDLAG
KLESLTKENERLQNVLSENKRLQNELSEIQSK KSVDDASSQEALKELEKFEAAN
SRLEQLTKQNEELQTELDGNAKRDELEHSIETKDN EMEALQEEFQERTDEALS
WKKEKFEASEQRQKLESELESAGTTDNAEQDKIKELAAEN EELKANETLKADQ
AEETSKLEAKIKDKERAMTRLRKSIVLERKLVESAKENKLLASQV EKGSGETE
EKHLAALSCLKKEKDELMEKYEKLEGRHEDATQKSSERSQESSKLREDLQK
ALKQNEELALQIEGEKKDSAAQSNITAELSELQREKEELHGNLKKLEKEREDAR
QSEGHQQECLKLRDLQKALEQNKELSVQVEKGETASKAGDGRSSLEGSGRRISS
WLPASS PSALLRESSMISSYLSPEQTLLQMPVSELEATPETKEEAAREKEER
FARAKAEAL AKAKEMAAAKAKAEAEAKAKEEEFARAKAEAIKAKKEGA

>comp11886_c0_seq1; 226 138 599 LEN=945; translated
MIRFFLLQNRQKTRLKWKYIPPTTTSTGTSTTLEAEKSRIEAEVHRLVTARDK
KYTNF IEYNNYKVIYRRYAGLFFTTIAVDVQDNELSYLETIHLFVELLDAYFRN
VCEL DIVFNFNK VYSILDEFMLAGEMQETSQEIILDRVKFMEKME

>comp11886_c0_seq2; 204 267 675 LEN=1021; translated

MVHPTDDDDATGTSTTLEAEKSRIEAEVHRLVTARDKKYTNFIEYNNYKVIYRRYAGLFF
TIAVDVQDNELSYLETIHLFVELLDAYFRNVCEL DIVFNFKVYSILDEFMLAGEMQETS
KQEILDRVKFMEKME

>comp11888_c0_seq1; 404 1 1939 LEN=1939; translated
EPYIKETPTSRMAEQIAIAAPDNLPVTIPTKVTGPTDLQTRRPARSRVANVLKRLRKQNP
RNALRRFSRTDTETTLDRLDEKAPSEISELTDIFHDDDLTLDNGKIPIKEDEKQTKNADP
LEPSQCRAPSSMASLSARSSTLKDYTLSESLGAWLESFACLAKSSEMDSFLNSSNALAAS
ATQSTIDVAKNVGGLVVHTALLPVTLPIQATATATDLLFNKGSNVLHYFCDNVVPLVVSQ
TVKIPKNPLIMTKDPTTPKIHEYKLSRIKKTSESTITDTNINIDEDDFLERLRDLHSDS
VQCAGQRSKERHYTRSSASEAVYSVDTDFWATQTTKTKFSILLRVEDIQLTMKPQEASE
SESESHIVCVLDHEDFSDEQLVSDALALLSVRSIEIESSNEAVSDLSPSANREEPAQKMS
IQIDWKALGQTKKDYKRLKLNSESEFYDALCSRVLTWSGKYLGPKYGSENPFYARGIV
NGEPEDVNLNLLWDSKRTNEYNKHCVSREDKFSIFDYENNTTNGFYGAKIIIESETKIPMTK
MSVRLSALMCAKFLGESPEDGYVIFSRSLSCGEAGNHLVDSGKLCQNGNNEVIIGINIMR
PVPGRPGLSDLISISQVDASILPPFLKARVGIMAAEDFFKNARKALX

>comp11888_c0_seq2; 363 1 1586 LEN=1586; translated
XREYILVRKKGHAQYAKLETRSRLIFFHYFRSTCLLVE SFACLAKSSEMDSFLNSSNAL
AASATQSTIDVAKNVGGLVVHTALLPVTLPIQATATATDLLFNKGSNVLHYFCDNVVPLV
VSQTVKIPKNPLIMTKDPTTPKIHEYKLSRIKKTSESTITDTNINIDEDDFLERLRDLH
SDSVQCAGQRSKERHYTRSSASEAVYSVDTDFWATQTTKTKFSILLRVEDIQLTMKPQE
ASESESESHIVCVLDHEDFSDEQLVSDALALLSVRSIEIESSNEAVSDLSPSANREEPAQ
KMSIQIDWKALGQTKKDYKRLKLNSESEFYDALCSRVLTWSGKYLGPKYGSENPFYAR
GIVNGEPEDVNLNLLWDSKRTNEYNKHCVSREDKFSIFDYENNTTNGFYGAKIIIESETKIP
MTKMSVRLSALMCAKFLGESPEDGYVIFSRSLSCGEAGNHLVDSGKLCQNGNNEVIIGIN
IMRPVPGRPGLSDLISISQVDASILPPFLKARVGIMAAEDFFKNARKALX

>comp11889_c0_seq1; 381 355 1098 LEN=1326; translated
MIQPHNEISATPPTVAINDSSRIGKRRLS FVVGSCDDSEAMIITKQRKLDALSIDDTFEAL
DIESSHKVVVSPHESMPTSEQEIEFEWMESVINGAVSENATGMPEAASSSTTTQMENN
SEFNSSGKDTFDSFLVMNKS DPCYEEMISLLADDGKIVVDDHNKKENDNIFKNLRESFA
SDRLPKDISLRTEQLASTKKNSKATRSSRISIREGLEQLVNASRLSAKTRTMLLACTINL
CKVKDQQ

>comp11890_c0_seq1; 310 1 986 LEN=1165; translated
XLLLEQQQKQEVKAPQLLVSLLPFRSSIVYFPTIYTRSVVAAEKNPLAESPRHTRRTIRG
RAAPKTQADGGNCSGSSPPRSPAPSVQESTGSCPSESASRSPSPSPEPTKRATAAARGRRG
RPPLAERKTGNHQENKHRATARKRPEPVVELENEGVKKKPRGRPPRAASRNKVL SYAEV
DSATDEETDCESESSADEDFGGSKKARNQKSKTKIPGIARKKRRKPPAKGLPPRGPRRAS
PSSLALFDKTNTRGQSPSTKRYAATPPSVNRNTPSSKRKRKAKSSSATPTQSTIGVVVGLT
PIQDSVSKVWKSEG DWRDHGGIDY GDFY

>comp11890_c0_seq2; 363 216 1127 LEN=1306; translated
MPRRSSRSTKTRSVVAAEKNPLAESPRHTRRTIRGRAAPKTQADGGNCSGSSPPRSPAP
VQESTGSCPSESASRSPSPSPEPTKRATAAARGRRGRPPPLAERKTGNHQENKHRATARKR
PEPVVELENEGVKKKPRGRPPRAASRNKVL SYAEVDSATDEETDCESESSADEDFGGSK
ARNQKSKTKIPGIARKKRRKPPAKGLPPRGPRRAS PSSLALFDKTNTRGQSPSTKRYAAT
PPSVNRNTPSSKRKRKAKSSSATPTQSTIGVVVGLTPIQDSVSKVWKSEG DWRDHGGIDY
DFY

>comp11891_c0_seq1; 326 1 989 LEN=1097; translated
XPSNPGLSNKEMAATKVLASTTWLTKAVFVLCISGLGHAYSFILVPRGSSKLHHGAYLW
GPGISLSTALRSSPDEINENSSNGDFAFFDEATIYVRAGSGGQSSSTYKAKKANGANGIPD
GGSGGLGNNVVKLKLDP SLNLAGLSKRTL RPNAFGGGGAAASSKRMGDKKQGVGTNVQAN
NFVARERLYSFRAEDGKAGGRMYDNGKGGEDCEVLVPPGTVVQLEVETEPEEPQEDGEAA
TTTMTVDNDKQYELVEVGTVSYEKPTLVVAKGGKGGEGTATLKGGKKGATRRGPEGGERC
RLRLTLKIVADIALVGVNAGKVS MFAWF

>comp11891_c0_seq2; 560 33 1619 LEN=2056; translated
MAATKVLASTTWLTKAVFVLCISGLGHAYSFILVPRGSSKLHHGAYLWGPGISLSTALR
SSPDEINENSSNGDFAFFDEATIYVRAGSGGQSSSTYKAKKANGANGIPDGGSGGLGNNV
LKLDP SLNLAGLSKRTL RPNAFGGGGAAASSKRMGDKKQGVGTNVQANNFVARERLYSF
RAEDGKAGGRMYDNGKGGEDCEVLVPPGTVVQLEVETEPEEPQEDGEAA TTTMTVDNDKQ
YELVEVGTVSYEKPTLVVAKGGKGGEGTATLKGGKKGATRRGPEGGERCRLRLTLKIVAD
IALVGVNAGKSTFLAAVTRAKPRIADYPTTVPNLGTWIPPEDKNDSNHYSNFKDGT
KKNERANRAAGSSGLVLC DVPGLIAGASEGVGLGHAF LRHI ERVILHLVDATSSDDPVG

DLAMVNDKRYGSGSLARKPQVVIIVNKIDAAFTGEEEEELMNDMRAELASRMKLEMGH
TRLMWVSAKERDGVNDLMTRMASYVGKMKEDAEDEQKIKATGATTVE
>comp11891_c0_seq3; 549 1 1619 LEN=1936; translated
XPSNPGLSNKEMAATKVLASTTWLTKAVFVLCISGLGHHAYSFILVPRGSSKLLHHGAYLW
GPGISLSTALRSPDEINENSSNGDFAFFDEATIYVRAGSGGQSSSTYKAKKGGANGIPD
GGSGGLGNNVVLKLDPSLNTLAGLSKRTLRLPNAFGGGGAAASSKRMGDKKQGVGTNVQAN
NFVARERLYSFRAEDGKAGGRMYDNGKGGEDCEVLVPPGTVVQLEVEETEPEEPQEDGEAA
TTTMTVDNDKQYELVEVGTVSYEKPTLVVAKGGKGGEGTATLKGKKKGATRGGPEGGERC
RLRLTLKIVADIALVGVNAGKSTFLAAVTRAKPRIADYPTTTPVNLGTWIPPEDKNS
NHYSNFKDGTGKNERANRAAGSSGLVLCVPLIAGASEGVGLGHAFLRHIERCVRILH
LVDATSDDPVGD LAMVNDKRYGSGSLARKPQVVIIVNKIDAAFTGEEEEELMNDMRAE
LASRMKLEMGHTRLMWVSAKERDGVNDLMTRMASYVGKMKEDAEDEQKIKATGATTVE
>comp11892_c0_seq1; 355 1 768 LEN=768; translated
XTLRLKPRKMARTIERKLSGSTRLGVCRGDVSGKATLAETPAQSQLDPIAPTYVAPSAI
PQAPAVDPGEEAKQQLVMKQKLERDKLLKEARKKEERDRRAKEELRMKKEEKQLEEQRK
KELEERKRTALEERRREEQLRKEEAERKRREQENELQRQKEEALARMIAAEETRARAEEE
ARKRKELEEKERKEDEERRRLELELRLAEKRRKQLEEQEMIRRQEEERRREALRLQREE
KRKREAEQKANEWQX
>comp11893_c0_seq1; 531 1 1469 LEN=1595; translated
XALPISFRKRRLSLTNLRQLAEESGDDKNSSSETLEASESELOQDEQDKAHTFRKRRLSL
TQKVNEEIDSPCRSKRPRLAADVSASGLGSALNQSLSLDTNLQSKILHATEIFSPASPSNE
SSLPKFYQKSARHQLQSEDEYDHKTPKWKKRHIRSHAEDDKSLPFSRDLVGTFSCHGVPE
IYEDDEFYRFLDDEDGSTDNPSSFSRKRATVAAKINQDRGGVAFVPGNCSKTALFSVYDG
HGQGGELVSQYSLHEIQRLLEKHPDFNGNIEKAFKETFLRVDSLKEECLIDPTYAGSTA
CVALLRDKTLVLSNAGDSRAVLGRKTERQREICWEAIDVTEQNPDLPAEQERIERMGGY
VTPAPEPGLSSRVWLDKECSQIGLAMARSIGDHAVKSIGVIAEPVVSFHNVCENDEFLIL
ATDGVWEFISSESQVLAEHLHKGATKACQILIETAAAKWHDEEGDYRDDITALVIRLQ
HLLLEPTTNK
>comp11893_c0_seq2; 521 123 1307 LEN=1910; translated
MAITDGEKPVNNDTAILVEADVKGKTFKRRLSLTNLRQLAEESGDDKNSSSETLEAS
ESELQDEQDKAHTFRKRRLSLTQKVNEEIDSPCRSKRPRLAADVSASGLGSALNQSLSL
TNLQSKILHATEIFSPASPSNESSLPKFYQKSARHQLQSEDEYDHKTPKWKKRHIRSHAE
DDKSLPFSRDLVGTFSCHGVPEIYEDDEFYRFLDDEDGSTDNPSSFSRKRATVAAKINQD
RGGVAFVPGNCSKTALFSVYDGHGQGGELVSQYSLHEIQRLLEKHPDFNGNIEKAFKET
LRVDSLKEECLIDPTYAGSTACVALLRDKTLVLSNAGDSRAVLGRKTERQREICWEAID
VTEQNPDLPAEQERIERMGGYVTPAPEPGLSSR
>comp11893_c0_seq3; 413 1 1118 LEN=1721; translated
XALPISFRKRRLSLTNLRQLAEESGDDKNSSSETLEASESELOQDEQDKAHTFRKRRLSL
TQKVNEEIDSPCRSKRPRLAADVSASGLGSALNQSLSLDTNLQSKILHATEIFSPASPSNE
SSLPKFYQKSARHQLQSEDEYDHKTPKWKKRHIRSHAEDDKSLPFSRDLVGTFSCHGVPE
IYEDDEFYRFLDDEDGSTDNPSSFSRKRATVAAKINQDRGGVAFVPGNCSKTALFSVYDG
HGQGGELVSQYSLHEIQRLLEKHPDFNGNIEKAFKETFLRVDSLKEECLIDPTYAGSTA
CVALLRDKTLVLSNAGDSRAVLGRKTERQREICWEAIDVTEQNPDLPAEQERIERMGGY
VTPAPEPGLSSR
>comp11893_c0_seq4; 639 123 1658 LEN=1784; translated
MAITDGEKPVNNDTAILVEADVKGKTFKRRLSLTNLRQLAEESGDDKNSSSETLEAS
ESELQDEQDKAHTFRKRRLSLTQKVNEEIDSPCRSKRPRLAADVSASGLGSALNQSLSL
TNLQSKILHATEIFSPASPSNESSLPKFYQKSARHQLQSEDEYDHKTPKWKKRHIRSHAE
DDKSLPFSRDLVGTFSCHGVPEIYEDDEFYRFLDDEDGSTDNPSSFSRKRATVAAKINQD
RGGVAFVPGNCSKTALFSVYDGHGQGGELVSQYSLHEIQRLLEKHPDFNGNIEKAFKET
LRVDSLKEECLIDPTYAGSTACVALLRDKTLVLSNAGDSRAVLGRKTERQREICWEAID
VTEQNPDLPAEQERIERMGGYVTPAPEPGLSSRVWLDKECSQIGLAMARSIGDHAVKSI
GVIAEPVVSFHNVCENDEFLILATDGVWEFISSESQVLAEHLHKGATKACQILIETAA
AKWHDEEGDYRDDITALVIRLQHLLLEPTTNK
>comp11894_c0_seq1; 625 261 1659 LEN=4294; translated
MTAEINDNSNGSSPGTPTGWIGWKERGKQAYLRGDFSVLQAYSQALHHQRSSASLGG
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SGSDGIGSSYSNDACNSLQRALQLDPGNPTARDMLVRELRSRDHGRRSGDNGHQCQSER
TPQPSAPPQHMDNCSSSRGTTRTTGDSSSNTNHRNPGDRRPPQDSRSSSNGNGNRNRHN
ADNDIDDAGSMSWNERFHFQCQRAKFWYLSQSEDVQSLKVALAVVVLVYAFGGRFGLEY

LFQKSSGNNNINRRGGGGDVYEEFYRSRNNNRYNDHYNDRDSYGDRYSSYYGSSGGGYDR
HGYGSSSSSSWSSWRSRGTGSSSSVSPEWNYYSRTLLAVVLTYYVAQRWFGIGPYQAMIL
ETCSSGDGGAGECTIFQEGEEVDGAGCLVGTSGFTDREECGDETS
>comp11894_c0_seq2; 485 3219 4499 LEN=4597; translated
MEEEEKTTSPSLQQAENESAGELEQQASVEMQDNTYDNDSEKSNLIVAHGEGRKEETSET
AIEPEPDTRAELGKNTATESGTAEEASRSLQSSSLSSSSLLSDQDLAVFGTLNTQLADAL
AEKIEAAISKGVDSLPLLDGDCYRSGTARQSTGSDGGNGSGHPKSPKERLWETLRYRFVR
NVDVLEAYCAQHLLTLRKHPARRKRIVAVLRYGPGALEPLSEAAASEDLPQEKYPSLSE
LSSEEERTKVSVDIARLEADIEKARSRRNELLAALSTRRAGDRLAGVTETISGASLASV
KQEVSGLVEGGRALGPLNDEARDLLGTLEGIKRDRSSQETNDSGDETFDFEQDDPLSRG
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LPTKPS
>comp11895_c0_seq1; 442 129 1307 LEN=1361; translated
MGKSSKAASRSKTTKDEASTPVERKAEDSPPASRKVVVDVATEHLPPIFLVFTTMACSGFL
FVYAFRDVFATGRNIGGVHDEAYLFTTNSIAFFNNEKGWKSQQGGLSSISQVTTDANNMG
GLFVRKVGGAACLAVQLQKLMPLLFHPANAQWKRGHFRPLFATSIVANLVLVAFYGI AIR
EELAAVGADGLPTMFVGVLLFETIVMLGYLATSRYTKGPAVALQQGKTPTS SVVSRIVART
NFLVSGMICVIAGRDLFSPGTILGFIPRDDIYLEWTGAFHLSPPEGSPEAETQGTERDFF
VGEKYLSQLALNMLILCLYKFVAAFVVRNRNDGGGCIQARMIWKAQAVGSALVLYLFRL
FSPAASTASLDFRWHLMLLAYETLILGLYGFL
>comp11895_c0_seq2; 351 517 1496 LEN=1550; translated
MLVQLFDXPAPKRNTKQFTTNSIAFFNNEKGWKSQQGGLSSISQVTTDANNMGGLFVRK
VGGAAACLAVQLQKLMPLLFHPANAQWKRGHFRPLFATSIVANLVLVAFYGI AIREELA AV
GADGLPTMFVGVLLFETIVMLGYLATSRYTKGPAVALQQGKTPTS SVVSRIVARTNFLVSG
MICVIAGRDLFSPGTILGFIPRDDIYLEWTGAFHLSPPEGSPEAETQGTERDFFVGEKYL
SQFLALNMLILCLYKFVAAFVVRNRNDGGGCIQARMIWKAQAVGSALVLYLFRLFSPAAS
TASLDFRWHLMLLAYETLILGLYGFL
>comp11896_c0_seq1; 180 1 255 LEN=563; translated
QQQQQQQQPSMAPVPPVAAAAARQELQSMPIRAYLDQTVVPILLDGMALVKERPANI Q
YLASYLMRHD PARAGTAPAAGIKK
>comp11896_c1_seq1; 230 201 680 LEN=680; translated
MSFPQGNSTPKLVGSNSINDPLAAALAAAAALARNGGTFLHEPFSGTVPVGVGAIVPVSVP
VSVPTSPSNVCAHSLSSSSASAPASASVSASTFGSVGGRKTPKKSEPF DANSNGNNSGN
NSGNSNGDDKDCDQGHSSGNAAKTRNDITLNL SRNISRN I
>comp11896_c2_seq1; 1616 1 4385 LEN=4385; translated
XISHNISHIASAKPSQNDVEQEEDHEHEAERRMARSERNREHARRTRRRKKAQLEALQA
KLRLCLQSKNKTLTQSLED CR IASILVGFVSGDGD DR DATIQSLLEEAIEIGEREIFKRLL
RSKRTRFVSDADILHGGNV DASASVHNSNSNSNDRNNASNPNAQSLNDSALSQATALTRN
VTGGQSARTRPLSPSRAGLDDPREYQQRKRRVAGEDAGASNTSNSTEGNGNENGNDEHR
DNENIQSQNATERFAPSSRGRSYANEMPMDERMEYEDEL RALALCDDYDGSQGMDFCD
SALKAMNEICAGATGSGSGAAAGGGLSSTPKPKLKLGERH SVHNGASGVVEQTAIEVEYV
EPMYKGRRFKDDDGANHASPKRKKALLRAMTKRARDEFKSKTHSSTKPPKNKEDATSDGE
QGATNASDDNIYATFSSIEKRKFLKLINGGV SPLDATNTILKDR TTS GNNDQDNDEKSHD
SDDSDYYPGIPDDDEDEEEQEEDQAAVVGDSPHSRAGKKGINKLAFWKRS SGGSTSGS
TLVSASARVPPARVSPERDYNGYEQQRQNEEEGSDGSVSSCEQVGEDEIKTFLRAEREKV
KKAKKATNTKSKSRKSNKPSAGATEIIGDLQENENYPYDTGRDANTNANANNSNKEAE
DHQFERSGINYYDAVRKDRSGETYETDDFSESGASSKKHRKLIKIPKSIKGLSKLAQRTN
NRPTVPDEAEDGDRDEAETERIATRATSTTGVDKQMIESHASIPSPTKETLRIVGAAE
GDEPDGFMQQASIPQTMRESLDDDEGEVHPPYHLRQEAMERELARDDSKEDSLDMDAYL
SETVSVQVGGGSSSHNNRSFDGVSVSGRSHRTAGTNHTTQSTRSRRPGQAKVRLEQKKEA
LNI SGVSSKSHGWQESI EVAALKVGVWDP SHGWKDYVDPNSTEIP TDDFFDESMALAAQ
QPADAKSVSTAPSEAGTASNEQPLSPGQSI AKLPKSPRSPLSRSGRKG RPQKVPTVTS PK
GDKPRGWAETMRAAAARLDIGGKKWDPVKGWVGLSEEDSTIVAGVSERRDALDNVGITAE
SDLQDFGTVAHLDAIANKQDKSMQFLSEDEEPSNEANNNYMEEEE TTFDGDQSSEMKTG
ATKSI SNNSGRYVQIAETGSVQSHYRRTKADPN SKRMVNVKRENLNQGELDMFQESAERR
KSGSPVDLDSLYEEEEHVDVSFGPGSGAKVVS GPNANAIYQSIYESQSNGSFDGEDFSWDA
DDAVNESVDSHGRKPAPRLKIKIRD TASVSSRPNSAKSATKSQSEASFDSGSSP I PKLAA
PKRDTSPIRAKPAKTNAALVSKKIAPALSSSSHAQDDDSPFKTDDAFRNTLTSTQNESDE
DGDNHDAAVSSVIEKITPTALS NPRTKTPPKISELHKLWEAKTAKRDNENPSSKRKDTQN
PEWKSFLGKKVDAESAAAAGMDX

>comp11896_c2_seq2; 1592 51 4281 LEN=4281; translated
MVARRTTSIVPDDEPGAIELMEDDQPFVVKANSLLDDGSDGYGHRRRRRGRATVTRARA
RVAATATATAKATSKEEEEEGDLPALSSSLNSSHNSNSNSNDRNNASNPNAQSLNDSALS
QATALTRNVTGGQSARTRPLSPPSRAGLDDPREYQQRKRVRAGEDAGASNTSNSTEGNGN
ENGNDHRDNEI IQSQNATERFAPSSRGRSYANEMPMDERMEYEDELRALALCDDYDGS
QGMPDFCDSALKAMNEICAGATGSGSGAAAGGLSSTPKPKLKLGERHVSVHNGASGVEEQ
TAIEVEYVEPMYKGRFRKDDDDGANHASPKRKKALLRAMTKRARDEFKSKTHSSTKPPKNK
EDATSDGEQGATNASDDNIYATFSSIEKRKFLKLINGVVSPLDATNTILKDRTTSGNNDQ
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>comp11898_c0_seq1; 513 1 2898 LEN=2898; translated
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>comp11899_c0_seq1; 1066 360 3991 LEN=4417; translated
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>comp11900_c0_seq1; 1298 455 3526 LEN=3673; translated
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PALDQVWDDDTFASCSTDKTVHICRVGEDVPLKTYTGHTEVNAVWDPGCLLASCS
DCTAKVWVDRNDRKDPYDFKDHQOEIYTVKWAPTGP GSMNPKKPLLATASFDGSRVRLW
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EVAW

>comp11901_c0_seq1; 546 103 834 LEN=1140; translated
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AALANVRKAMVPKTGEAVAPATIDSLDAQQS FVNQALMPYGEKLLMAADQNVLPYALY
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MWA

>comp11901_c0_seq2; 701 55 1260 LEN=1566; translated
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VKVAGTASLFAGGVALGAGVLGDLTGEKPVSIPEAKIGMAFFGALSNAELMKRISERLAP
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GSCLVVYGPVGVDSFGSIGTVNRRGRAKGGSCCGSAAAALANVRKAMVPKTGEAVAPA
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>comp11902_c0_seq1; 327 317 1090 LEN=1537; translated
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ICRDGLALSDFHAKKVVYDIDYELLIRQRENQRRGIRRRKRVSKLDYWRREMLNRV
GSYSNADLSRMQCELNQEA VSEFLQEGCADDGPHLELEYEDESIELEQVCNTNEDSSCI
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>comp11903_c0_seq1; 378 178 1320 LEN=1498; translated
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THDDQLASMLMLHILPNEKVKRADLQCDSTFVMANGDETKVTCITNNKNETVVSIVGPN
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DIVCEMDDMTIMCGFLRGENA AVGVEDDHTDLWTLFAPTDSGFEYIQDVLDGLEPKTLDD
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>comp11904_c0_seq2; 623 339 1199 LEN=1199; translated
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AEEDRLLRSKQKQREEEEEERERRRQQSQREAREKEALLLREKEEEDRLMLRREQQERELR
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>comp11905_c0_seq1; 564 445 2304 LEN=2597; translated
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PDRMLTYIDEDKQLLYGKLEERFQLAREPLRVCTGCHQQLQPVQEELRTTNSNAMRFNH
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KFDEFLLTGEDLDLQCKDECATITPNFSLDGVRIPARLLEEAKGVAVLTVAKGGFGLAG
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NLQLGADVGVALGPVGRALADFAASPGAFAPIYTYSLSKGMYAGISLDGKMIVTRNRVN
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>comp11905_c0_seq2; 456 445 2722 LEN=3015; translated
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QPVQEELRTTNSNAMRFNHIDPTDPKRFLNSPLAFTLGHEVRKAAYTLNMLPMPKRMGS
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HVFLMTDAAVELMFHNDGNLQLGADVGVALGPVGRALADFAASPGAFAPIYTYSLSKG
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>comp11906_c0_seq1; 335 266 1178 LEN=1536; translated
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SDLKYRFAMPDGYQQKQCGEGKCDSSCCEDFGFSCKEPAISPDKGLCYAYDYPNQNTTQY
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KEE

>comp11906_c0_seq2; 453 192 1403 LEN=1761; translated
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GKCDSSCCEDFGFSCKEPAISPDKGLCYAYDYPNQNTTQYLYQTYPSVISPLEHLVNEHF
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>comp11906_c0_seq3; 335 783 1695 LEN=2053; translated
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SDLKYRFAMPDGYQQKQCGEGKCDSSCCEDFGFSCKEPAISPDKGLCYAYDYPNQNTTQY
LYQTYPSVISPLEHLVNEHFVWVRVAATPNFKKLYGYFEETIPAGTKLEFDVNMNYVVE
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KEE

>comp11907_c0_seq1; 673 356 1942 LEN=2155; translated
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LFVVQDGETNTVDQRLLEFALWETHGIPVVRSLTKLDAELSAENGALVLESTGSEVAV
VYFRAGYAPTDPDGGIEWRARLTLENSRATKCPCLGYHLAGTKKVQELARPGVLER
FFPEDAGKVAAMRACFAGLYSLGDDAVGEDLKAVEEVLGDGHAGYVLKPQREGGYNFYG
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>comp11907_c0_seq2; 722 329 3634 LEN=3864; translated
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DGYKDIAASLKLITKGSLSFCPIVMGYGGEEQQRFEYYDYDLYEAWGFHNGTGESSFGKG
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GEVRYVGNRTHTCIKRDPEEVYWLKNGGGHIECDPEDEWVPPFRDDEYLYSEECDEYRWMN
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LLFVSYDYCVRQEFDSKEKLLLEAKRRFVRFVSHEVRTPLNTVCMGLTLLQNDLETSLS
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LGLNIARGIVLEHGGTLTCS SQGLGKGSTFTLCTTLYSDNNPTPLATAHKVSKMKNNSSN
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EAACDGDEAVRMVKESLETGKFYDCILLDYEMPVMNGPNACQMMRKMGCSSYIAGVTGNV
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>comp11907_c0_seq3; 336 254 2397 LEN=2627; translated
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WMTLSGQVFQONADVAVGVLSDLLNYDKIQMGNLSLELSLINLWSALEKTIEEFQVSAKE
LVILELDLSPLLSLPSLSDSIEHESAKTTANPPKPVCKASELPDKVQNCVKIGDKIRLI
QVFRNLISNGLKFSKEHDHMTVRVSFDLLPERKQKQEKISLHKGPLADVTKIGSVSVEVI
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STFTLCTTLYSDNNPTPLATAHKVSKMKNNSSNGTVSKLSSTGEMAQFMDTDEENALES
EFSIPNFRVLVVDSDVTNRKLCQRLLERNGHTTEAACDGDEAVRMVKESLETGKFYDCIL
LDYEMPVMNGPNACQMMRKMGCSSYIAGVTGNVMSEDVDHFRNCGANWVLPKPFQLVLE
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>comp11908_c0_seq1; 225 220 636 LEN=858; translated
MPRRALPPPTSIIYLGLVLLSFDYLAVADTRVHRRDEVTHGHIPSTHEEILSRREEHDI
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ELLNEMTKARIKRTGEL

>comp11909_c0_seq1; 276 94 571 LEN=571; translated
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>comp11910_c0_seq1; 369 73 1434 LEN=1597; translated
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SLDDPTYEAIKEGTTGHREAVLVVYDPRVVS YGDI LKVYDERLAVTAPEYFRLLDFAEED
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>comp11911_c0_seq1; 270 1 1419 LEN=1736; translated
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KVGIMQAWKPGSVSPNDRKLELYAYHKVAVSGDAPPSIPSSASAADRKYNAWRSKSGKT
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GSALPSSPTPRGLAAIPLLCAAAAESREAYLRRLSQT SVETAWWIRQEPLCAPVGD L AAL
PESALLAVARFLEHVTLTTPCRNLVASF CWPLHKSFLVLWMLVILYVTVLGSSRNILAIL
VWGSRRRTGLSLHREWGEILPMAAQSVSVMCEPHQPLTGRVLVGLVLLPGSSVGLLDKTGL
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>comp11913_c0_seq1; 331 104 904 LEN=1172; translated
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DSSKPIYLYINSPGGSVISGLAIIDCMQHIKSEVITINLGLAASMASFILAAGSKGKRLA
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LSAYEAEDYGLIDRVLDYNKESDTQL

>comp11914_c0_seq1; 670 1 3258 LEN=3771; translated
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VDRDGNMVCVVMFSPNNIQSTDNALEYLQSIIRSATSSSIPCLLPAFDPREGLIALQH
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DSLGLIS SVKSIDNNTPLDIFARESKNTLIKFWSGAVGRAHSSGNPVWSFNKNVFS
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GGLDKVEPHKTV DGDVWKDCTPADLGEMAADVEMHQHFMIKKRPIGAISTEMESQEK
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SVVDMQPVHRHVP TNSNGSKRAHVFFQPSQIMYAQIAQE QPKDQNESSENQVHGALPA
VSTHLPLPQPFRLPNQV VQPTINEYPGATTPHQSLQEPIQRFAFTHQSHNQTIDNVNPN
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>comp11914_c0_seq2; 354 550 1724 LEN=1760; translated
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>comp11914_c0_seq3; 694 550 3569 LEN=4082; translated
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>comp11914_c0_seq5; 572 1 2525 LEN=3987; translated
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>comp11914_c0_seq6; 559 1 2994 LEN=3893; translated
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>comp11914_c0_seq7; 330 1 1413 LEN=1449; translated
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>comp11918_c0_seq4; 198 1 1040 LEN=1672; translated
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>comp11919_c0_seq1; 239 51 287 LEN=424; translated
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>comp11920_c0_seq2; 301 72 948 LEN=948; translated
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>comp11921_c0_seq1; 328 345 1115 LEN=1115; translated
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>comp11921_c0_seq2; 726 345 1811 LEN=1873; translated
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>comp11922_c0_seq1; 319 253 969 LEN=1221; translated
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DRIDSTNVTDAEEDSSSVMTTRSYP RGVVVPPTADRETSALGNVAVFVSSEAYNQW

>comp11923_c0_seq2; 258 467 1360 LEN=1995; translated
MASNLNDVQNPSIADDQPWHCDLVINVS NLDAGQETTRPMQNI PGPYLVNLSRYFIDGKE
FEFPPYFTGLKFESILITSLKMASAKAGFVLVKKNSKSKTLMAKTGTFFQFYTTLCCQQHR
LYEKSKNNKGERKRTTSRPTSS ENCCNYVFHLRMNAMDSQFN PGRWTISPSRGNVGT HNG
HRRMKPEERQDLISGIRAAANDAVAQC NQLSFIDPIAETDEMYQQRIISM THEGLHLVEN
DNDLRKHYEDKLQELMNNLQQMASDKQKDQRDND CRMQP VVGTVGSKQRGKRKRIDI

>comp11924_c0_seq1; 714 158 1504 LEN=1534; translated
MARNSTTTTILMIAFAAVSGFQVAFAPSAARNTAARAASYVAFSRLQKPQAMTHHTSR
LSMSTATDETSSLATPEEVPKKKPV RPDRVLSGVQPTGSLHLGNLGAIVQWVDFQNKDQ
YND DGEVVPVENFFCVVDLHAITMPHDPKELKESTLSSAALYIAAGIDPAKSKIFVQSHV
PAHSELAWLLNCITPMNWLERMIQYKEKSKKQGESVGVGLFTYPILMAADIMLYQSTKVP
VGEDQRQHLELTRDIVRRFNDLFC KGNQYKKRCKAAGVASRPFVVEPDAIILKEGARVMS
LTDGTSKMSKSDPSDASRINVLDDPKTIRDKIKRCKTDSFEGIEWDNPERPEATNLLNIY
AAVQPTKRSKEDILAEVGDMSWGEFKPV LAEAIVNHLKPIQDRYHEVRS DPAALEAILKE
GANAA NEVASRTLFNTKVAMGFVTPPAE

>comp11925_c0_seq2; 202 1 596 LEN=629; translated
XPELHLYHFGLGTIMRSSSASP AVSDKEAKNVFVTGTRFDKLVRLSTSKVALEWMERH
GFSSLTIQYGRGEKPELPPSSSLKIKTYDFRPSLIEDMAEADLIVSHAGAGTVMEVLR LKK
RLVVVINTDLMDNHQTELAGAMADRGC LFMVDNPEKLNDSQ TWESFVDFVPVPHQGGDPN
DMPRLNSFLGFPAKID

>comp11926_c0_seq1; 317 132 1103 LEN=1186; translated
MVTQNA AIAALSSTALISLAPNVLLFLFPHFASGEGRSSKFLSLGQALAAGGLLGDVFLH
VVPHSGGSHDVGLWILLGFSLFL L TDMLLRSMGNSHGHHHHDKTKSPEKSTSTVLLNLT
ADSLHNFTDGLAIGTSFANFTGNVGN SVLNLVQSRGGLATLSILFHEIPHELGDFAILV
KSGFSKREIFAQFGTAVSAMLGC VVGLEAADLAGDSLIFITSGGFVYLATVNILPDILD
ETASLRFRLTQLLFFSFGVAFLYAVCLLEEMNGEHGSHGHHDHHDHDEARHLHEDHGHGH
HGHHGHGHGHHDHNNHHHFVEL

>comp11926_c0_seq2; 205 132 1272 LEN=1355; translated
MVTQNA AIAALSSTALISLAPNVLLFLFPHFASGEGRSSKFLSLGQALAAGGLLGDVFLH
VVPHSGGSHDVGLWILLGFSLFL L TDXALAVNGREFARPSPPRQDQITGKQNL DGI VESN
SGFTPQRELI FNTNWTYDRLQCFPDKMMKGVPRVLIPTNFY CILMFSKSIANNVGMCFCS
NLSSXDGLAIGTSFANFTGNVGN SVLNLVQSRGGLATLSILFHEIPHELGDFAILVKSG
FSKREIFAQFGTAVSAMLGC VVGLEAADLAGDSLIFITSGGFVYLATVNILPDILDETA
SLRFRLTQLLFFSFGVAFLYAVCLLEEMNGEHGSHGHHDHHDHDEARHLHEDHGHGH
HHGHGHGHGHHDHNNHHHFVEL

>comp11927_c0_seq2; 316 105 1304 LEN=1469; translated
MMPSTSNKERTALQNDPGL EHMGNPPKKEPQAPGSSFTSTPSAQQSHSRSKQQDSPPST
KASMPSSSVRLNPNYHDHSETNDGIP PPICLVSTCEEMNPSRRSSFEDCSIYAPSGTWGCP
DANMAMLA VADGHGGRDIVEFLEDALLFHVSAELQIDPPENNVAGSGSSASTSTGGREKR

TTTHGDSIPARLERAFLLITDIHSKTMGLMSSGATVAMCLVTRGCGNNMYKTNTGDTDQNH
HGKISESNPENVTIYAANVGDARIVLGHGKKAHRLTKDHRDDEEVRIEDSGGFIFK
GRVLGILAVTRSLGDHCMKEYVIAKPYTSENSITVAPETDVSFIILACDGLWDVIKDQEA
VDFVLDRIAEEKELVAKYLVEEALKRSTDNITVSVAFFT
>comp11927_c0_seq3; 277 105 1114 LEN=1114; translated
MMPSTSNKERTALQNDPGLHEHMPGNPPKKEPQAPGSSFTSTPSAQQSHSRKQQDSPPST
KAMPSSSVRLNPNYHDHSETNDGIPPPICLVSTCEEMNPSRRSSFEDCSIYAPSGTWGCP
DANMAMLA VADGHGGRDIVEFLEDALLFHVSAELQIDPPENNVAGSGSSASTSTGGREKR
TTTHGDSIPARLERAFLLITDIHSKTMGLMSSGATVAMCLVTRGCGNNMYKTNTGDTDQNH
HGKISESNPENVTIYAANVGDARIVLGHGKKAHRLTKDHRDDEEVRIEDSGGFIFK
GRVLGILAVTRSLGDHCMKEYVSPRQNEKMERATDGX
>comp11927_c0_seq5; 257 105 1142 LEN=1671; translated
MMPSTSNKERTALQNDPGLHEHMPGNPPKKEPQAPGSSFTSTPSAQQSHSRKQQDSPPST
KAMPSSSVRLNPNYHDHSETNDGIPPPICLVSTCEEMNPSRRSSFEDCSIYAPSGTWGCP
DANMAMLA VADGHGGRDIVEFLEDALLFHVSAELQIDPPENNVAGSGSSASTSTGGREKR
TTTHGDSIPARLERAFLLITDIHSKTMGLMSSGATVAMCLVTRGCGNNMYKTNTGDTDQNH
HGKISESNPENVTIYAANVGDARIVLGHGKKAHRLTKDHRDDEEVRIEDSGGFIFK
GRVLGILAVTRSLGDHCMKEYVIAKPYTSENSITVAPETDVSFIM
>comp11928_c0_seq1; 572 111 1439 LEN=1535; translated
MEDSVPGDFSSRNGIEAPFLFFSIRSPCYRCPERALDTHIYQAWKDPDSRIGFFKDACN
NKQAILNLEREFQPVIVGEWSLATDNCAMWLNFGFNDNLPGFPRSPCKYIPCSPPYMGEY
QPGTPTMPMQGPYGTGMSGPSFGMCPVGRDWIKEKNPLTGRDWVEAPPKAPSHYDDT
DSVMTLLAYKKISAYSGVGHGFYFWNFRDDEPHWSYLLALEKGWIPQGSFNDPKIQNA
CRSEDE MAYTCQVKRDMPDNSLLKAVKYILEQKNGTETDLEKSVVDMTGKELSDAANDMI
MEFFDKNKLSGVTCDFFGGVAMLLLENRTVTDDDFVDWDVAYFGTVTNVSGPTWWELAGI
ITFGILVGSALGFI LGMRFNKGFNHYFQKTAIGRRITQSNNVGLKKTLSITALDEAFDFDD
VDYEDDQVKYGSIEDSPLLRRR
>comp11928_c0_seq3; 390 189 1325 LEN=1457; translated
MRMATGQLLLFATALAASIGWSSATESKVP EGGTQYPHFIAMNETMTCVEDKHSTPFNT
QVRGVNLGGWVLEPWITPSLFYQFLGRTNESEIGMDTYTFCQVLGPKEANRQLRRHWET
WVTEEIEKLANSGINSLRPLVGDYMYKPYGYPYVDGCFDGDALDYVDTLLDWAYSYGLSVL
IDIHTMKDSQNGFDNSGQSMGFQWTTALNREYTDHTFEHWPIRDARWIGTFDQETASYS
SINYDNIRHSLEVI ERIVDRYKTHPTVQGI EPVNEPWQYTP IEVLKRFYWEGYLIVKKN
PYWKYVMHDSFRLDASVWGGFMAGC PERALDTHIYQAWKDPDSRIGFFKDACN NKQAILN
LEREFQPVIVGEWSLATE
>comp11928_c0_seq5; 759 189 2396 LEN=2492; translated
MRMATGQLLLFATALAASIGWSSATESKVP EGGTQYPHFIAMNETMTCVEDKHSTPFNT
QVRGVNLGGWVLEPWITPSLFYQFLGRTNESEIGMDTYTFCQVLGPKEANRQLRRHWET
WVTEEIEKLANSGINSLRPLVGDYMYKPYGYPYVDGCFDGDALDYVDTLLDWAYSYGLSVL
IDIHTMKDSQNGFDNSGQSMGFQWTTALNREYTDHTFEHWPIRDARWIGTFDQETASYS
SINYDNIRHSLEVI ERIVDRYKTHPTVQGI EPVNEPWQYTP IEVLKRFYWEGYLIVKKN
PYWKYVMHDSFRLDASVWGGFMAGC PERALDTHIYQAWKDPDSRIGFFKDACN NKQAILN
LEREFQPVIVGEWSLATDNCAMWLNFGFNDNLPGFPRSPCKYIPCSPPYMGEYQPGTPT
MPMQGPYGTGMSGPSFGMCPVGRDWIKEKNPLTGRDWVEAPPKAPSHYDDTDSVMTLL
AYKKISAYSGVGHGFYFWNFRDDEPHWSYLLALEKGWIPQGSFNDPKIQNACRSEDEM
AYTCQVKRDMPDNSLLKAVKYILEQKNGTETDLEKSVVDMTGKELSDAANDMIMEFFDKN
KLSGVTCDFFGGVAMLLLENRTVTDDDFVDWDVAYFGTVTNVSGPTWWELAGIITFGILV
GSALGFI LGMRFNKGFNHYFQKTAIGRRITQSNNVGLKKTLSITALDEAFDFDDVDYEDDQ
VKYGSIEDSPLLRRR
>comp11928_c0_seq6; 668 64 1716 LEN=1812; translated
MKDSQNGFDNSGQSMGFQWTTALNREYTDHTFEHWPIRDARWIGTFDQETASYSSINYD
NIRHSLEVI ERIVDRYKTHPTVQGI EPVNEPWQYTP IEVLKRFYWEGYLIVKKNAPYWKY
VMHDSFRLDASVWGGFMAGC PERALDTHIYQAWKDPDSRIGFFKDACN NKQAILNLEREF
GPVIVGEWSLATDNCAMWLNFGFNDNLPGFPRSPCKYIPCSPPYMGEYQPGTPTMPM
QGPYGTGMSGPSFGMCPVGRDWIKEKNPLTGRDWVEAPPKAPSHYDDTDSVMTLLAYKKI
SAYSGVGHGFYFWNFRDDEPHWSYLLALEKGWIPQGSFNDPKIQNACRSEDE MAYTCQ
VKRDMPDNSLLKAVKYILEQKNGTETDLEKSVVDMTGKELSDAANDMIMEFFDKNKLSG
VTCDFFGGVAMLLLENRTVTDDDFVDWDVAYFGTVTNVSGPTWWELAGIITFGILVGSAL
GFI LGMRFNKGFNHYFQKTAIGRRITQSNNVGLKKTLSITALDEAFDFDDVDYEDDQVKY
GSIEDSPLLRRR

>comp11929_c0_seq1; 167 193 573 LEN=1023; translated
MTSAGLSTEVCVDVGETEMQCTREVLQTRARYDDTTINVGVTQRIDGSDSEKQAVRDVLR
HMDNYFFHEVLALPEY EYARSRCKNSNELCAFWSSVGECSNRVFMLSNCPAACRFCLLL
HSGLAS

>comp11929_c0_seq2; 161 193 468 LEN=1337; translated
MTSAGLSTEVCVDVGETEMQCTREVLQTRARYDDTTINVGVTQRIDGSDSEKQAVRDVLR
HMDNYFFHEVLALPEY EYARSRWYGYKFVLK

>comp11929_c0_seq3; 218 193 576 LEN=1188; translated
MTSAGLSTEVCVDVGETEMQCTREVLQTRARYDDTTINVGVTQRIDGSDSEKQAVRDVLR
HMDNYFFHEVLALPEY EYARSRCKNSNELCAFWSSVKGKCKYFYGKRRMRSIVLYQR III
SVNTVSF

>comp11929_c0_seq4; 161 193 468 LEN=678; translated
MTSAGLSTEVCVDVGETEMQCTREVLQTRARYDDTTINVGVTQRIDGSDSEKQAVRDVLR
HMDNYFFHEVLALPEY EYARSRWYGYKFVLK

>comp11929_c0_seq5; 161 193 468 LEN=1172; translated
MTSAGLSTEVCVDVGETEMQCTREVLQTRARYDDTTINVGVTQRIDGSDSEKQAVRDVLR
HMDNYFFHEVLALPEY EYARSRWYGYKFVLK

>comp11930_c0_seq1; 208 75 587 LEN=803; translated
MAFFSQISSLATILLASWLLFAAPPTAEAF LPTAPRTASATQTSSSLGMGLFDGIAKAFS
NEEYGPDPKVRATARHILVESEGEAKVIMKMISSGEKTFQDCAREFSTCPSANQGGSLG
SFSPGTMVPEFDKAI FNPDRVGDVMPVLTNFGHHI I VVEKRTGGGDWY

>comp11931_c0_seq2; 1363 73 3435 LEN=3480; translated
MADDLDDIFGAIDGDGDDDAVESGAE EPMEDSDDDGGDSMAEPEEGGEDEGESKDGGE SA
GAKPPKPPTS AETAKLYNSIMHAPT TSHLRETQQKEASELLRPTEAVQKQKEQAEQHAA
SNAVNTGTSHDKSVRSYSAYPKNLPEGMELPKPKKSDKPAKVYPFKLDPFQAQAVEYIEK
EESVLVA AHTSAGKTAVAEYAI AKSLNNGQRVVYTSP IKALSNQKFRELQEEFGDVGLMT
GDITINPTATCLVMTTEILRSM LYGSEL MREVAWVIYDEVHYMRD SERGVVWEESI ILL
PHRVRFVFLSATIPNAAQFADWICEIHHQPCHVLYTNYRPTPLQHYIFPDGDGGLHLVVD
ERKGFREANFQKAMASLQASVDVAGADALLSSGN AKKRKRSAGGKKGDDQMTGLQRI I K
LIMARNLNPV I IFSFKKDCERFALALNRE DYTDDVEKDLINQVYTNAIDSLGEDDQKLP
QVLALLPLLKRGIGVHHGGLLPILKEVVEILFAEGLIKTLFATETFAIGINMPAKTVVFT
NTRKFDGLDFRWVTSGEYIQMSGRAGRRGKDDRGLVIQMLDEKMEPAICKGILYGD PDP
NSSYRISYNMLLNLMRVEDVEPEYLLRAS FHQFQREKEAPALLAQADDFMTQAENVDLGS
EEESALAKEYYKMDQQLLLTKRKVASIAQKPEYIVKFLQVAGRFLDVSIDGEQYGWVLT
SFKKRGGGSAGEAGKLASLSNRPTYTIEVLLRCVDRHFDSVDEKAMKEDRSNATLLWRGT
SKSCRPPKPGDDEKLISMRVFTIGLEHIDRVSAVRIFTPTAIQSP EARKKVSM AVKEVKK
RFPDGIPLLDPIKDLKIKDSNFTTLMERADALSKRLAAHKL TTEFPEETRVRLIKAYEDR
MDLKERSRVL RQEAKSFQTMAMKDDLKMKRVLKKLGHVDANGVIQTKGR TACEINTADE
LVVTELI FTGVFKTLTVEQCVALLSAMTFGEPMKDDEATQGMKS FLLNPFYKLOEVAKTV
VQMQISCNLDVDEDEFLNKFN PAMMEAVFQWCKGVKFLDVQKLTG SFEGTTIRTLRLEE
LVRQICTAAKAIGDHELEAKFE EGSKLLKRDIVFCSSLYL

>comp11932_c0_seq1; 244 332 556 LEN=1027; translated
MSSDGDVMLLVGESFFD TSEEDATEYCEAEVERMLEVLEKMEEEE EATIVEEQEALKKVL
YGRFGKSIQLEEKV

>comp11932_c0_seq2; 297 224 586 LEN=1057; translated
MEVRREDQNNINKFARLNARVREL RDERK I IKQSLDRLEDASTELMMSSDGDVMLLVGE
SFFDTSEEDATEYCEAEVERMLEVLEKMEEEE EATIVEEQEALKKVLYGRFGKSIQLEEKV

>comp11933_c0_seq1; 375 213 1322 LEN=1427; translated
MSNQESKPVIKADPTKGVKVDVGDVSKPFRNEIKQKVAALKKEGIESPLL VGLLANKDPA
ARKYAEWTGKACRADGLRYELRILDDPIEVESALIDANDDPRVHGIIVYYP IFGQQESFS
GESQDDYLRDTVSHKCDVEGLCHLYRTNLYRNVRFLDYPTNNQKCLLPCTALSTLKIIEA
CPGTYDMTKPVGRKLEGKTVTI INRSEIVGRPLAAMLANDGAVVYSIDINSIYMFRDGR L
HPCGDDVNPESEVRKSSIVVTGVPTKNYKLPTEWINPNTTVVNVASFKNVDEEEL LKIPG
VVYVPLVGKVTVAMLLRNL MRLYEQFHSPNSVKTNTPNESTSTFWTIGLQAYS AVVLT A
VLAMQLLKK

>comp11933_c0_seq2; 302 213 1506 LEN=1611; translated
MSNQESKPVIKADPTKGVKVDVGDVSKPFRNEIKQKVAALKKEGIGELMSWNGTHR LSF
IYGSRNKNYSVHSF IGLSYFPYKIRTNGSIRVAILSLVIAHFVNSESPLLVGLLANKDP
AARKYAEWTGKACRADGLRYELRILDDPIEVESALIDANDDPRVHGIIVYYP IFGQQESF
SGESQDDYLRDTVSHKCDVEGLCHLYRTNLYRNVRFLDYPTNNQKCLLPCTALSTLKIIEA

ACPGTYDMTKPVGRKLEGGKTVTIINRSEIVGRPLAAMLANDGAVVYSIDINSIYMFRDGR
LHPCGDDVNPESCVRKSSIVVTGVPKTKNYKLPTEWINPNTTVVNVASFKNVDEEELLKIP
GVVYVPLVGKVTVAMLLRNLMLRYEQFHSPNSVKTNTNPNESTSTFWTIGLQAYSAVVLT
AVLAMQLLKK

>comp11934_c0_seq1; 217 469 1776 LEN=2375; translated
MKFALDKQEASPLRRYVEIGFNVGFVCFVLIIEIIFNYMVCVTRNSGPSSSYNAVARELA
ESTNFEYPDTPPEEVAQYRRHFNDKMMVRRRREARDAEQRHRMRSHSRCCDANGKCSGNK
IPAVSHNTATGKTASTGHVADVVELDQVPSNSNADVTLRKKARQNQPKKDSKQPGGHDGNA
NNTHTRSWFMFMAPDEWGFCTKSNQPKPPRSHYDHVSKSLVMCLDHYCPWFMNAIGYFNRY
YFLNFLIYVCVAMLYGAFISYRPFINSTGSVYRDQLLRKRYKTGVWMIHPYTPMPSEKGP
LTLGFMLCLAVGIAVACLGSFHVYLTLSGQTTIEFHGNFINRAKAKRRGEKYRNPYDMGW
KRNWQQIYGDYGNLTLMSVMAMVIPSRREPHFLPLPLGGEAGKRKHLRARDQDDGDEMTPK
ILGSTSNLSDAGNIV

>comp11934_c0_seq2; 174 469 1056 LEN=1233; translated
MKFALDKQEASPLRRYVEIGFNVGFVCFVLIIEIIFNYMVCVTRNSGPSSSYNAVARELA
ESTNFEYPDTPPEEVAQYRRHFNDKMMVRRRREARDAEQRHRMRSHSRCCDANGKCSGNK
IPAVSHNTATGKTASTGHVADVVELDQVPSNSNADVTLRKKARQNQPKKDSKQPGGHDGNA
NNTHTRSWFMFMAPDEW

>comp11935_c0_seq1; 847 529 2752 LEN=3282; minus strand; translated
MSQDNPTSDLENGGNTFAIEDDDECVIEDDDDEEFDDDEEARRTAIKEILGGTEDSADDY
SHDQLPSVEEVKASRAYLPTAILLAKNHRKLYMAMAGAAVVAVLLSVIISVGVSSKSSK
SSKAMPINQEDFENRLQEIINTLAPSVSKLPEMMHPESPQYHAAQFLAVGDEKHLDFNGK
DGWRTTQRYILAVLFYSMNGMSWDDSFNFMSTRDHCDWNKEFNTPRGRILKGVQCDGRS
VVDLDLCEFLSKKVTGXLDATSLGLFLFLIAPFIPASNNPXNTSFLFSRSSIFPANNNLV
GKQIPEEITFLSDLERLHLHANTIGGAMPQLNSFRKLKSLGLHDLHLHGSIPSIGDMTG
LTTLAFSQNKLTGSIPTSFQKQTLDRILGLDGNFLDGKIFPLLKLNKLEALYLEDNNLSG
EIIYQCDWPSMRELDLSNINLDGRIPERIFDNKHLVYVFDINRNMFFGDFPQQIQQNDKLEY
LSVYGNLSLGSVSDHIGFLPNLRHLDLASNSFSGLTLPDTIQLLTLNLVSLSTSGMNFDAKE
LQININFPLLTNLQDLSMKGNLMLGTLPDHFDLALLSNLRMLDLGNDLSGTISTYYGTMSL
AILQLNRNELTGTIPSELQYMPKLIKLLLDGNNLYGKTNIDICAANGSTMAHFTTDCYPGL
NNKAPEVDCRCCTLCCNDENTDCNNKDWTANYDPKSRYGYIRPAYEFSLDTAKEGEWFKK
LLEATNGDLSSLPSQTHIVSF

>comp11936_c0_seq1; 423 227 1517 LEN=1655; translated
MVPESPASPENGARNDAPSMSDRDELAARDALSSGLNARSVVGKGMERFSALVNDNIV
AARYGVFATVALLTVSPTNIDVLI VDSISLFLLPASADKTLTYVDCTVSKAYGISNTPLF
FRYRNVAEIPKSFFIGRRRLYCRVVGVRDLNPNYHATGGLEDSSIQITVRHLSPIGMLLP
TSWFESLMRISPSRGLTRDLTKGSGKAEVSKNETLRLQIAGVLAPPVVFRESYDPAQVLE
RLAKDRTLVSQCQLLGREVLKPIKERNKSVFSESNQQSSSSVSESNGAISFDDTFAPNNEV
PSVLDYHQVALCRISYRPQILQVFPTDLAEALVKAGSASVASDLFRSSPSTIQNSKKEIV
DTSHRIQDIRQDLKYLDRLAVSEFESAQKSSGMWSVQEVREIKKIDITDEVHVFQANASLIR
KIWRRIRGE

>comp11936_c0_seq2; 452 227 1408 LEN=1546; translated
MVPESPASPENGARNDAPSMSDRDELAARDALSSGLNARSVVGKGMERFSALVNDNIV
AARYGVFATVALLTAYGISNTPLFFRYRNVAEIPKSFFIGRRRLYCRVVGVRDLNPNYHA
TGLEDSSIQITVRHLSPIGMLLP TSWFESLMRISPSRGLTRDLTKGSGKAEVSKNETL
RLQIAGVLAPPVVFRESYDPAQVLERLAKDRTLVSQCQLLGREVLKPIKERNKSVFSESNQQ
SSSSVSESNGAISFDDTFAPNNEVPSVLDYHQVALCRISYRPQILQVFPTDLAEALVKAG
SASVASDLFRSSPSTIQNSKKEIVDTSHRIQDIRQDLKYLDRLAVSEFESAQKSSGMWSV
QEVREIKKIDITDEVHVFQANASLIRKIWRRIRGE

>comp11938_c0_seq1; 422 197 1141 LEN=1185; translated
MMNRHIFSAASKKFRGKLSAQARSVTMLSSVSGSSVANGACAIDQRASFAAKHNSSKD
NATALVRSFSSMSLRRPPAKHSQGRGNGNGKDRKQKWRSHAVSLDFGNYQDDFADDQDD
EYYYSNTDAALASPARGGGSSSSWHEEESQLAENVQEIQRQEDERRKRWLENKPPVRR
PIIDERGRAYGRGGRKTASARVWIQPGFGTVVVKKDFVEYFDRMTDRELILEPLAATET
LGRFDVTVTVEGGGLTGAGAIRHGLARALNHYNPDEYRPPLKRLGYLTRDPRKVERKKI
GHLKARKKPQWVKR

>comp11939_c0_seq1; 362 95 724 LEN=1709; translated
MNRYLITASIQAALLACLALSFESNAVVSASFNTAIARRKRTSSIVVSFEPAISYSAT
ATLLKSSSEDAIAIATADDSEEEGEEVNYEVPEDAVINIKPKAMKRLRELREKQKNPDSY
MVLRMGVRNGGCSGLSYVMDFSTEEDIQEDDEIDDYPAEMLKCVVDAKSMLYLYGLELDY

SEELIGGGFKFFNPNAEESCGCGSSFGV

>comp11940_c0_seq1; 197 289 795 LEN=919; translated
MRFSSKESEGQGAKEVKKKEEIERVTWNPLRLMVLKLGFTPEPRFTSPLNYVKKDGVFSCA
YCGHELFESSGKYDSGSGWPSFWRSIKDGSIGYKKEWDGRLECTCGRCDSHLGHVFLDGP
LPGKVDKTLLETAPSSDPRGRKVDGYLPRFCVNGASLTFETKEDGSKD

>comp11941_c0_seq1; 504 134 1396 LEN=1426; translated
MWTVPELSEIQOTLRNASSPIGMRMRAAYAKQLFVDLQKEEKGEENDGGIKDSSNQAER
SRKMNDIVTVLCDQVFVEEHGSLLRHEFAYVLGQMKTEDACTALENLLSREGDCVMVRHE
AAEALGAIASPQSRVLESTRIKYQGVLELSDTCLLALNRIDHEIRKKSJGDGNNDNSPV
VGCACMLAPFNSVDPVEVDPAHVSLSTEELGEILLNTNGRTSDETSEKSTRGRGDLIERY
RAMFSLRNRGGEECVKQLCRALVEDTSSPLLREHFAVFLGQLQHPSSISALEESLSRLDE
HAMVRHESAEALGAIEGTFEDWQRIESMLTRYQKDFDPAVAESCIVALDAADYWGHDKTD
PNSEHASNEDDMEQLDLQETSTAKAMGGAFGKQKHDSTLVESCEIRKQILSQHFNVVQTA

>comp11942_c0_seq1; 319 1 1030 LEN=1238; translated
XNCIRVTQSDVTSTYSAFRTIDQETGAMKTSPLPFLILGCWTTACAFAPSRWDMSSGLGVR
NGRYLESTSSSDGEATSRVEELKTELLEKIAILNRLQEEDGKIAVDFGVKGGIDEKSR
PRKLDFTVTSERVGKAADAI FEAVGELSKVNPTETPTTEGLGDTTFTGTPPLDGPWNLLFS
TAADANFSKDSKRGDAKAAANIVDARRGKITNVIRFAPANDKGNPKPKAVDELVRVLAAT
AEGPNRVAIVFKYVAVRFRFFFLPLRWTLYIPVPAPTIGKIVIALSNAKNFLLRKKTEP
RKIPKGFDFVFLDKELRVHKTGENNLFVQARPDWTTAWDTVG

>comp11943_c0_seq1; 172 41 379 LEN=694; translated
MGDSRWTRVGRHSYNTRQHGARPVRTPGGKLAQRVYKTTNGPKCSDCGTSLQGIKHVKS
SQYASLKKRERTVSRAYGGSACAGCVKKRIMRAFLLEEQKAVKKVLAERAGK

>comp11944_c0_seq1; 249 168 1379 LEN=1905; translated
MVSCSISPISALTAVASVLVMTTSEAFSSQKLTTVPRTVPRFMSTTEEGKTQITAESS
SQPNFDATNDLPSIPFLTKSIESDWKSNPNSGDVAAILGEDAGVFDDIQKEEWGELGERGW
TFSAAVATIMTAVVVLWVYPATGYSDDLHWIEGFTGGNPHLVTLFFGILFPIVHSGLAS
ARPYGEQIVGARTWRVIFAFPSLCLAYSWITYFISHAHDGLQFYDLSHNPTAHTVAWTVN
FLSFFFLYPSVFNLKEVAAVEPPTLHLWETGIIRITRHPQFIGQSMWSAAHLAMVGTST
ALTMALLVGHAFACWNGDRRYRDKFGDELWTTVVKERTSIVPFQAVLEGRQVLPKDFYK
ELLRGPYFVIAVGTLAGAYLAHPYMQGGAALAKNTGWVPPGGIIG

>comp11944_c0_seq2; 249 168 1379 LEN=2017; translated
MVSCSISPISALTAVASVLVMTTSEAFSSQKLTTVPRTVPRFMSTTEEGKTQITAESS
SQPNFDATNDLPSIPFLTKSIESDWKSNPNSGDVAAILGEDAGVFDDIQKEEWGELGERGW
TFSAAVATIMTAVVVLWVYPATGYSDDLHWIEGFTGGNPHLVTLFFGILFPIVHSGLAS
ARPYGEQIVGARTWRVIFAFPSLCLAYSWITYFISHAHDGLQFYDLSHNPTAHTVAWTVN
FLSFFFLYPSVFNLKEVAAVEPPTLHLWETGIIRITRHPQFIGQSMWSAAHLAMVGTST
ALTMALLVGHAFACWNGDRRYRDKFGDELWTTVVKERTSIVPFQAVLEGRQVLPKDFYK
ELLRGPYFVIAVGTLAGAYLAHPYMQGGAALAKNTGWVPPGGIIG

>comp11946_c0_seq1; 301 345 1451 LEN=1616; minus strand; translated
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WLREDIPSKVPEFATHHVGVGAVVINSKDEILCIRELRRNYHPWKIPTGLADLGEIHD
AVREVLEETGITATCQSILSFRHTHGVANGRSDDLFFVCHLIPKENDDGS IPTVPVQACEI
SEAKWVPLSDYRDMVDGLTEESKGHVMTFVMNSIFDKGLRINMTEVSSVVPGRRPTPLY
FPEVPFEK

>comp11946_c0_seq2; 301 463 1569 LEN=1734; minus strand; translated
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DLENFSTLLANTVSVLRELEKSSLWVEVPMAKARLIEEIEAADLGFYHHAQGTAKLNT
WLREDIPSKVPEFATHHVGVGAVVINSKDEILCIRELRRNYHPWKIPTGLADLGEIHD
AVREVLEETGITATCQSILSFRHTHGVANGRSDDLFFVCHLIPKENDDGS IPTVPVQACEI
SEAKWVPLSDYRDMVDGLTEESKGHVMTFVMNSIFDKGLRINMTEVSSVVPGRRPTPLY
FPEVPFEK

>comp11947_c0_seq1; 1012 147 3694 LEN=3694; translated
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KENTRNVSSGNDGARWVSHVGSNNINTLGASKRRMVKNPFIEAKKRKQTAANAIDKNAAPD
QSSNTVLSEARGSRKKAKRIRKETNTVHTEKNYNRGSALSKVISSEPTNPLYTSSWQSSR

DKVPQRWIGNATHSTTIDVLAQGRNQRGQTSQPPPTTKDEMNRMPPEALSSPSSKSQEV
ASLAHTVAADRETRRAIGSEAASTSAISSDASSRPKLGLSLSKKITKGRSSISSSTPTS
FRTTTAEISLAVCATANGHSLLSRTQGENEKADVSQGEDQRVLPSPPEKVVHRTNLLSADTT
ENNATRLGNISSDAGRNPKKKASFRKNINDNFVRLNMKNAGACRGARKKSTKFSKERRT
WCFQPPSGGRQDPYDSNTVANDGVTAPILAFDSTLPPLSLSPKKIDEETKDSKEEKNVGT
RVNPPSSKSNATSYSVSRMSGLDPLDEFVDGTFHASKRRTLKDKSNTTLGPATGSTVNGTTC
VVAGIVEPAVAPKCARHQRPCKLIKVRKNTSGNKGREFYACSMRGEQCDHFQWADDTVE
AARATLAKNSSYSSFVTRQVVAHVDRFRTLTPVELKRETSRRGLNKNKGKQQLLTRLAIW
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ELFDGKNKLKESNYTDDDSEEDLSVESNDESPNTTLAAAKDIQGDDEGFLSASLREIFGH
DSFRTGQEWAIQRCLLEEKRSLLVAPTGFGLSLCYALPAALLDGVCIIVSPLISLIQDQLR
SLPPRIPAATLSGSVSAAKTAAIILDDIVRRLKVLVSPERLISPAFRRLFNFRWNPDTK
TKERKFEISLLCIDEAHCVSQWAHNFRCFLRFKGLKVMKPKSVLAI TATAGPRVIKD
IGETLGVDISETLTEDSSESPDSECESEIKIVRKRDNIDVMTKFMSSNEEERLAAVAGIL
TPSAGKYESQKESYAGKLATGSVIVYVWRQRDTEVVAESLVAAGVSGGVVVMYHGGMDANA
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>comp11947_c0_seq2; 1339 147 5018 LEN=5062; translated
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KENTRVSSGNDGARWSHVGSNNINTLGASKRRMVKNPFIKAKRQTAANAIDKNAAPD
QSSNTVLSEARGSRKKAKRIRKETNTVHTEKNYNRGSALSKEVISSEPTNPLYTSSWQSSR
DKVPQRWIGNATHSTTIDVLAQGRNQRGQTSQPPPTTKDEMNRMPPEALSSPSSKSQEV
ASLAHTVAADRETRRAIGSEAASTSAISSDASSRPKLGLSLSKKITKGRSSISSSTPTS
FRTTTAEISLAVCATANGHSLLSRTQGENEKADVSQGEDQRVLPSPPEKVVHRTNLLSADTT
ENNATRLGNISSDAGRNPKKKASFRKNINDNFVRLNMKNAGACRGARKKSTKFSKERRT
WCFQPPSGGRQDPYDSNTVANDGVTAPILAFDSTLPPLSLSPKKIDEETKDSKEEKNVGT
RVNPPSSKSNATSYSVSRMSGLDPLDEFVDGTFHASKRRTLKDKSNTTLGPATGSTVNGTTC
VVAGIVEPAVAPKCARHQRPCKLIKVRKNTSGNKGREFYACSMRGEQCDHFQWADDTVE
AARATLAKNSSYSSFVTRQVVAHVDRFRTLTPVELKRETSRRGLNKNKGKQQLLTRLAIW
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DSFRTGQEWAIQRCLLEEKRSLLVAPTGFGLSLCYALPAALLDGVCIIVSPLISLIQDQLR
SLPPRIPAATLSGSVSAAKTAAIILDDIVRRLKVLVSPERLISPAFRRLFNFRWNPDTK
TKERKFEISLLCIDEAHCVSQWAHNFRCFLRFKGLKVMKPKSVLAI TATAGPRVIKD
IGETLGVDISETLTEDSSESPDSECESEIKIVRKRDNIDVMTKFMSSNEEERLAAVAGIL
TPSAGKYESQKESYAGKLATGSVIVYVWRQRDTEVVAESLVAAGVSGGVVVMYHGGMDANA
RAKSQSKFMRGKARVCVATVAFGLGIDKADIVGIVHLYVSN SPEHYLQEI GRAGRDRSA
IAIALP LLEVP I RHALVFSNLVAKSQIRSLRLIKRMLSVVIVTGIENPTLARTFHIA
LPVQSTVRACDCKPETIETFLSLIERIGGDNPLLOIEGYNDNATIALKKRTLKKLAEKE
PVADSIQAVSQCIDAPLLEAGVEGDKDGNPAIPKSFQRQFLAYSKGSYSFSISHCANRLG
PTAEPRHVFAALRRLQAFNELEFVLDTSEMGRVFLKISEEGFKMFRDDYGNMEEDLVE
TIYESFSCSANSASKVLDMHYILDQVALSSASCIDENEDWSARNKSPSLVRFQEMTKTY
FGGLEAERTAVKDLLPASFSKIREKELEIDALSLRNLPLQFQQQSNIMPEYLELGQP
SVTDYALAITKFLYGMTPRTPIFTFRQYPLFGKWKGANFGLVHRAIVGLFEANLARKS
ITY

>comp11948_c0_seq1; 100 1 553 LEN=728; translated
XQQQHGRTIYNCLVNWYTPDHTIGLHSDNESEMDT SWPIVSVSWGGPRRFLLRPKPPN
SSSTNHKNKPPPKIAVHEFWLGDGDLVMGGRCQE EFRHEVPRVRTTKDGVVGNRISW
TLRKMRRKERSASHSSRTSRDPNQYSSAEGSGERKRNPEFPRNTTGDGKKRAIYNPYTH
NTRR

>comp11948_c0_seq2; 100 1 553 LEN=711; translated
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SSSTNHKNKPPPKIAVHEFWLGDGDLVMGGRCQE EFRHEVPRVRTTKDGVVGNRISW
TLRKMRRKERSASHSSRTSRDPNQYSSAEGSGERKRNPEFPRNTTGDGKKRAIYNPYTH
NTRR

>comp11949_c0_seq1; 387 51 1178 LEN=1277; translated
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KTFLQDYRAGKVEQMETEPGWEKSYVTRTKTPNPFYWSTHNPELDTIRSSSEKSRYYEI
ELSKRIMEVFDETSSKNQKSIFLDVGGNVGWFSLLAAAHGASEVFI FEPNPANNVRTCES
MVLNGWTDYDHNNAIFNLIPKGVGKKNATLDFFKTSSINPGTYSFNRKFEGINNIKRLKE

LRRKVPPEKIVGKFDVVTLDDFARSRGWQSKPSIGFFKLDVESFELDVLEGAKELLRS
IIETYEVEVDQTKADVVKMMDIIFTSGYELVKHGGWQPHKIVEKKYQSGKELADDIND
KVYQENLLFRRRSNY

>comp11949_c1_seq1; 888 156 2615 LEN=2741; translated
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EGENLTLPLGRIPTVDVPGGKCTQAVAAKLLRSSPTSSSISKCFFIGQMGLDSAGNML
RSAL EEQGVDCSHCGYHSDLPSGRGYVFLQANTGSVSAIVSGGSNALGWDDWERAWKKRQ
ERQSDGRPIKRTELEEKLG TIL EEEGVRCVLLQREVPEFVNLLVASCVNDYNKKIEDDQS
GSKKVVVFQDAGGEDRPI SGQMLKLCDFIVPNESEAKRLIESSPPIGKSAEEDAMYANE
LQKMGSKNVLVTMGSSGSL LAKQTDDVEEESGDAFGSNTVFS PAIPCLEGRVVDETGAGD
CFRAAFVAHAIEGCDHTTALRFANAAGSCSVQVQGAVPSAPYRKDIEKRINSETGVRSE
DGGISPSLASSGALRGGDKKGFVSLERAKTTHPQAFMVQKNASNGSIDDQDGFVLRGGD
SEESYSSDAFPFLIGSRLNSMKDRPELWQGKPLETPRDYV KRQGTINGLTCVDFNYPQH
GPSAWSSFDEVKQSLKDEGLVAGAVCLRYPSKFARGAMNHPDLAMRKEALELTKEAAEVA
TALGCDEVVIWSAFDGYDYPFQVAYDEKWDQLVVAFAQELCDSFPNIKFSLEYKPTDENTR
FFTVP TTGAALLLVEEIDRPNMGLTLDVGHMLMAGENPGQSIAMVGRKGKLFGIQLNDGF
TRLAAEDGLMFGSVHPSVALEIMYQLYKTNFRGHFYFDTFPQRTDPVREAEYNIRRVKRF
WQAASEGIDESLLRKINDEHDAVGALELVDASLWDDRSS

>comp11950_c0_seq1; 396 90 1368 LEN=1890; translated
MEPSLSLPANGAAEKTTEQEPPIPKRRSGS AKLVSFAEDALSRDRKGDGTGVVVEEEQGV
FVGPLLGRVSLPTRGGGNHRGPPAVSFGGLPERETSGSGGGGVEFENLAVRMGLLKCGRH
YRLVIPVPDHRNNTTKTANQGGGGSSCTDSSTTVRIIEDSLDDDLTGEIERKECLSPSSL
PSTTTSDNGCDPAGDRKDS SSSSTLSCRQH QYFLKITLAPSRRGYPYRGRFALESVWRGSD
HDPPRERPRQTGDRCESDNGSSKNGAGGNDESESNGDAGAPMAEGQHPAPLSPVRKCV
SVQVDATVMGKDTGTPKLRNGVCLGKVAGYDSDENTEWQGFYGYQRAAGGPREPGKAA
KQPFRLPHGMLPTPKKLRDWFVPMQTTVHHDLSARCGRAGIFRRPTAGTRKRPSAAAVLA
PPPPP

>comp11950_c0_seq2; 396 70 1348 LEN=1870; translated
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FVGPLLGRVSLPTRGGGNHRGPPAVSFGGLPERETSGSGGGGVEFENLAVRMGLLKCGRH
YRLVIPVPDHRNNTTKTANQGGGGSSCTDSSTTVRIIEDSLDDDLTGEIERKECLSPSSL
PSTTTSDNGCDPAGDRKDS SSSSTLSCRQH QYFLKITLAPSRRGYPYRGRFALESVWRGSD
HDPPRERPRQTGDRCESDNGSSKNGAGGNDESESNGDAGAPMAEGQHPAPLSPVRKCV
SVQVDATVMGKDTGTPKLRNGVCLGKVAGYDSDENTEWQGFYGYQRAAGGPREPGKAA
KQPFRLPHGMLPTPKKLRDWFVPMQTTVHHDLSARCGRAGIFRRPTAGTRKRPSAAAVLA
PPPPP

>comp11951_c0_seq1; 382 440 2825 LEN=3548; translated
MDHAEPLNDCTVPIAVEHRNHDDL PNTSASLSMSSFSAGATSHDEGA IPTSAAQYYEGEG
LHADVGEDETEVVALRREYGMVTPSPIHHHEPEIDYGG LALVFLAPALGGFLYGYDIGAT
SFVLSMMRADRHDHWHHNF SKVQQGLYV SCLALGALIGSHIVLTF LANTVGRRKEIRIA
ATLYIVGAMNLVMSGTILAT TGVFQWPPR WYAKNGDGS DKYYSYEYTSIGFGWGF TSLIA
GRLLYGAGVGFIMHGAPTYMAEMSPSNVRGALVSAKETVIVFGIVVGM LMGDLQSDYPSN
WTGGISLDYVDCDEWVMSDFGCGLFLCATCAMYYL CXAGMNCFAVQICCKELAFXTLICS
NLSKSTLYRELHCCVLYVFC DNDNRLIRVLDTFRRSYAAADLQDSSKQAVVAHEGYHEEA
RESMQFVYKGNVEDEF EKMAETIQSLCCNHGRTVSSSHLNVDCDDSVTGGNSIHK SVGTA
ERHGGQGGDEGNPNDEGGNDDDPNSMWSLKYRRVMSIGMGLLLAQQFSGQPCVLAYS RV
LFEAAGWGGNTSVVTVTIMGIVSSFTVTQVDRLGRKKLLAAGSATMLLAVSLLAFGFWG
DDNSNDKLSDFKKQLVLSMFIFISGYQIGFGPISWTVLSEIYPT EIRGIAMALSVEVNF
FAKFLTQLFFPVIQDALGWGTTFIVFALTIFSGLAFVLFKVPETKGMTLEEIQIKLKTED
TCDTAEILKSLGLDRFMDGEDSKALGPSNDSFEYANMESVDKASVTLRERRNSSVASFSS
AVEPGCNPNLTPIV

>comp11951_c0_seq2; 529 440 2578 LEN=3301; translated
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LHADVGEDETEVVALRREYGMVTPSPIHHHEPEIDYGG LALVFLAPALGGFLYGYDIGAT
SFVLSMMRADRHDHWHHNF SKVQQGLYV SCLALGALIGSHIVLTF LANTVGRRKEIRIA
ATLYIVGAMNLVMSGTILAT TGVFQWPPR WYAKNGDGS DKYYSYEYTSIGFGWGF TSLIA
GRLLYGAGVGFIMHGAPTYMAEMSPSNVRGALVSAKETVIVFGIVVGM LMGDLQSDYPSN
WTDLYGYSILFAVPM LLLTFKIPRSKRWLLMKGYHEEARESMQFVYKGNVEDEF EKMAET
IQSLCCNHGRTVSSSHLNVDCDDSVTGGNSIHK SVGTAERHGGQGGDEGNPNDEGGNDD
DPNSMWSLKYRRVMSIGMGLLLAQQFSGQPCVLAYS RVLFEAAGWGGNTSVVTVTIMGIV

SSFTVTQVDRLLGRKKLLAAGSATMLLAVSLLAFGFVWDDNSNDKLSDFKKQLVLWSMFI
FISGYQIGFGPISWTVLSEIYPTEIRGIAMALSVEVNFFAKFLTQLFFPVIQDALGWGTT
FIVFALTIFSGLAFVLFKVPETKGMTLEEIQIKLKTEDTCDTAEILKSLGLDRFMDGEDS
KALGPSNDSFEYANMESVDKASVTLRERRNSSVASFSSAVEPGCNPNTPIV
>comp11952_c0_seq1; 231 253 651 LEN=789; translated
MSLRAIISLPKRSILSNHSQKIDVHRFWTGNATLLGRSHSLPSGYSEKVQTKGKNPTEYI
EAFKEVKLDYCSSSATISWYISDDENIDTASRELLSVGNLMKESFRDVAMTRPFFVLDGR
GRRIALLSLLQQ
>comp11952_c0_seq2; 231 149 547 LEN=685; translated
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EAFKEVKLDYCSSSATISWYISDDENIDTASRELLSVGNLMKESFRDVAMTRPFFVLDGR
GRRIALLSLLQQ
>comp11953_c0_seq1; 288 1 693 LEN=1250; translated
IPFREIDNRPLHINNI IQPQRM TKMKT Y T L L L V A A L F G G V D A F S T Q S P L K A R S C L Q A T A
T D D A D T I P T N L P S D C G M D Y V P L A T M L A T G N F E D A D Q F T R D A L I E I S G A K E K G R D F V Y F T D
V K R I P T T D L A T I E R L W Y K F S K G K F G Y S V Q K R Q M R L A K G D F E K F C Q K I G W T T Q D G D V E R K K
R W F G A S E F T Y D L K K A Q K G H L P L T S A L R G T S L I K N L L E H P T F D N D D W M K E P
>comp11954_c0_seq1; 892 36 2977 LEN=3232; translated
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N A T T V I P G S I V A R P A T A V T V A D A V L F P W F V Q F L G C L T V F V L S R F N L P V P F A A V M F I F G A L
M G Y G A V T N Q A L E D P T N D V R K A L L D S I T L W I N I D S A T L L L I F L P G L I F K D A V D I P I N L F V V
A A V Q I W I L A F P M V L V G T I L T G V V G K Y C L P Y E S A D P D S F G W W A V V L G A I L A S T D P I A V A S
V L K T A G A S P R L V M H I S G E S L M N D G S S Y V F F Q I A V Q L W Y A S V G L P V Q Q E L G T W T A G F T Y F F
R M S L G G T V V G T V F G F L L G V L W E L D R R M E R E F D I I Q V V F G L T T A Y L C Y F V C D Q I I T M S G V
I S T V A C G L V V N Q F G R G L I H D K D M M S S Y L A L A D F L L N T L L F A L G G V I W A A I S F S N Q Q S A A V
Q P I D W A Y L I V F Y I L C M V I R F V Q V G M F Y P I L S R I G L K S N W K E G V F L A Y G G L H G S V G V A L G L
S L I Q Y V F Q K T E D E S I R K A A T I L Q F L G G G A T L L T L T I N G T S A G A I L K I L G L V K P P V S A E H V
K H V F E G A A K D F V Y T E M S K L F Q E K R F Q K V D F I L K D N V L F V N K E P P K L H I E G P E V E N T H H E
E T V R X I P S S G G K G K P Y I S L L N A T K R A T E R H F I D P T E S E E Y K S E L L V E M R Q I F L Q L L Q E A
Y K V E E E M G E L D Q K Q D N G Y L F D V L L Q S A D L A I N E V I Y D K K P I E D W K H T E I F F R W D T M K K A E
R P S S E R T S S V G S R I Q P R A L G E E L P S M N S E A V V A D T I V S K P S V S Q A S F A S S L K S I V S F D G S
D S T T R K K T H M V D V K R I R L D V L R A L A F I H A H K M A E A K L R L Y V D R F D E D L D E S L Q A R H S V T D
N A L E I V L A E S H K Q V C F A H E K L D K E V S D K D L D I V L S Y L C A Q I L L R R L L K F T E E K S E E G M I G
K Q E T R A Y T R R M K D C L D E S D A D A I Q Q L T E L R L N D D T R D D C K R G P S S I L R S I V E D S D D A S A A
F D D N N H Q L P V R H R L L S Y Y K R
>comp11955_c0_seq1; 642 454 2271 LEN=2517; translated
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LYMGSGVLSVMGTSFTFLPIYEIAIDQMKRDGLDGGVAYGKMLGTSMVCCLLELFLSILP
HKRIMKIFPPIVTSISVILIGVALTGTGMKYWGGGVVCAEMGWKTHAQIVSQEDLSFPPP
FPTCANGETSEFYGAPQYIGLGFVMTFLVFIELFGSVFMKNCNVILALLFGYMVAGLSS
LDGNSYVDTSAIKNADPITFLWVETFPIGFYWPAVIPLLIAYIVTTIETVGDINAVFEAS
ELETGSEYNTSIQGGTADAIN SILASLFTSMPNTTFSQNNGVIALTKCASRRAGYACG
GWLIFLGVFSKVAGVITSIPDCVLGGMTIFLFANVLASGINLTKLVDLESRRNRFIMAFS
LALGVGVTVWPYAFLDRRASPYTAAFWKCEDCS DAMKGLRNGVSI FLSTGYCIGSVTAML
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LVQEA
>comp11955_c0_seq2; 634 454 2435 LEN=2681; translated
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LYMGSGVLSVMGTSFTFLPIYEIAIDQMKRDGLDGGVAYGKMLGTSMVCCLLELFLSILP
HKRIMKIFPPIVTSISVILIGVALTGTGMKYWGGGVVCAEMGWKTHAQIVSQEDLSFPPP
FPTCANGETSEFYGAPQYIGLGFVMTFLVFIELFGSVFMKNCNVILALLFGYMVAGLSS
LDGNSYVDTSAIKNADPITFLWVETFPIGFYWPAVIPLLIAYIVTTIETVGDINGGFVDV
FAVVALLGFHVCLYPVRLIALQLADTSRFAILNPIVLTKRSSLPLYTAVFEASELETGS
EEYNTSIQGGTADAIN SILASLFTSMPNTTFSQNNGVIALTKCASRRAGYACGGWLIFL
GVFSKVAGVITSIPDCVLGGMTIFLFANVLASGINLTKLVDLESRRNRFIMAFSLALGVG
VTVWPYAFLDRRASPYTAAFWKCEDCS DAMKGLRNGVSI FLSTGYCIGSVTAMLLNSILP
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>comp11955_c0_seq3; 642 438 2255 LEN=2501; translated

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LYMGSGVLSVMGTSFTFLPIYEIAIDQMKRDGLDGGVAYGKMLGTSMVCCLLELFLSILP
HKRIMKIFPPIVTSISVILIGVALTGTGMKYWGGGVVCAEMGWKTHAQIVSQEDLSFPPP
FPTCANGETSEFYGAPQYIGLGFVMTFLVFIELFGSVFMKNCNVILALLFGYMVAGLSS
LDGNSYVDTSAIKNADPITFLWVETFPIGFYWPAVIPLLIAYIVTTIETVGDINAVFEAS
ELETGSEYNTSIQGGLTADAIN SILASLFTSMPNTTFSQNNGVIALTKCASRRAGYACG
GWLIFLGVFSKVAGVITSIPDCVLGGMTIFLFANVLASGINLTKLVDLESRRNRFIMAFS
LALGVGTVWPYAFLDRRASPYTAAFWKCEDCSDAMKGLRNGVSIFLSTGYCIGSVTAML
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LVQEA

>comp11955_c0_seq4; 531 376 1827 LEN=2073; translated
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TCANGETSEFYGAPQYIGLGFVMTFLVFIELFGSVFMKNCNVILALLFGYMVAGLSSLD
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ETGSEYNTSIQGGLTADAIN SILASLFTSMPNTTFSQNNGVIALTKCASRRAGYACGGW
LIFLGVFSKVAGVITSIPDCVLGGMTIFLFANVLASGINLTKLVDLESRRNRFIMAFSLA
LGVGTVWPYAFLDRRASPYTAAFWKCEDCSDAMKGLRNGVSIFLSTGYCIGSVTAMLLN
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QEA

>comp11955_c0_seq6; 634 438 2419 LEN=2665; translated
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LYMGSGVLSVMGTSFTFLPIYEIAIDQMKRDGLDGGVAYGKMLGTSMVCCLLELFLSILP
HKRIMKIFPPIVTSISVILIGVALTGTGMKYWGGGVVCAEMGWKTHAQIVSQEDLSFPPP
FPTCANGETSEFYGAPQYIGLGFVMTFLVFIELFGSVFMKNCNVILALLFGYMVAGLSS
LDGNSYVDTSAIKNADPITFLWVETFPIGFYWPAVIPLLIAYIVTTIETVGDINGGFVDV
FAVVALLG FHVCLYPVRLIALQLADTSRFAILNPIVLTKRSSLPLYTAVFEASELETGS
EEYNTSIQGGLTADAIN SILASLFTSMPNTTFSQNNGVIALTKCASRRAGYACGGWLI
FLGVFSKVAGVITSIPDCVLGGMTIFLFANVLASGINLTKLVDLESRRNRFIMAFSLALGV
VTVWPYAFLDRRASPYTAAFWKCEDCSDAMKGLRNGVSIFLSTGYCIGSVTAMLLNSILP
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>comp11955_c0_seq7; 523 376 1991 LEN=2237; translated
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VVALLG FHVCLYPVRLIALQLADTSRFAILNPIVLTKRSSLPLYTAVFEASELETGSEE
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>comp11956_c0_seq1; 478 45 1349 LEN=2601; translated
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>comp11956_c0_seq2; 499 45 1421 LEN=2433; translated
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>comp11958_c0_seq1; 1016 235 2397 LEN=3322; translated
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>comp11959_c0_seq1; 2185 1 9086 LEN=9190; translated
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>comp11962_c0_seq1; 712 1 976 LEN=1312; translated
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>comp11963_c0_seq1; 422 57 2264 LEN=2659; translated
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TTSVFPTNVSPHDGAMLDSEFFQMLATLLSLVLSFFASCKVFNNLIADRDAVIASNIQNAV
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>comp11983_c0_seq2; 543 2251 3909 LEN=4041; translated
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>comp11983_c0_seq3; 543 2150 3808 LEN=3940; translated
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LNLFEPRWLKIDRLLLSNQKQKLT'TNRVAVDPATKASASGEQRIIGCVTCRNKFYSAI
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>comp11983_c0_seq4; 543 2126 3784 LEN=3916; translated
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TTLFmLkSkQLIRKRWTFpATEMEDECAHKEAPGNPNKLASSGIPLFTLKNALeQDAVRN
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NVAEASRGfVEGRYADVIFRRRGRfGHlINVTEGSRPSGARKVRAEILGKETFDLSSPTD
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KNASKCQSKIER

>comp11985_c0_seq1; 353 1 798 LEN=1100; translated
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>comp11987_c0_seq1; 538 193 1212 LEN=1341; translated
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VfGFELNRIpKYMENMkGLPAKfKDRHYVLNGAVDDDRGTHSRQIHGVHEGSMIERGFIM
LVNGLIFCKGESKGNsmRKILeRDLYkYLHRVDDAIPEEPPAQGTsRAKARTQYRSgART
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>comp11989_c0_seq1; 162 780 2456 LEN=3147; translated
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RLSDFDEEEKLLIRKGMiQLLPFRDRSGRRVLAGVATMGIRNnPLMVYKILfYfFLSVAGE
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FQVLRsVfVMTLGGsRLsRLKfHSGEPVELRYQISGYGIPVDLLPLTPTGNVKVSYLRHW
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>comp11989_c0_seq2; 394 553 2229 LEN=2920; translated
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RLSDFDEEEKLLIRKGMiQLLPFRDRSGRRVLAGVATMGIRNnPLMVYKILfYfFLSVAGE
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FQVLRsVfVMTLGGsRLsRLKfHSGEPVELRYQISGYGIPVDLLPLTPTGNVKVSYLRHW
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NKKRKRtTTCSQGAfCFV

>comp11989_c0_seq3; 162 780 2456 LEN=3083; translated
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SRPSSCPsCYVNTKEfRLKfLRCELFDAQKAALRMVGYLELMVDWLFPTSSHPEILRRPV
RLSDFDEEEKLLIRKGMiQLLPFRDRSGRRVLAGVATMGIRNnPLMVYKILfYfFLSVAGE
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FQVLRsVfVMTLGGsRLsRLKfHSGEPVELRYQISGYGIPVDLLPLTPTGNVKVSYLRHW
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PVMNHpgNVAFRSLIEsMSKTHEtATQTKKSTIVKGVVDEIKTKGGRFLVWDEKHGCWTA
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>comp11989_c0_seq4; 215 553 1323 LEN=3262; translated

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SRPSSCPSCYVNTKEFRLKFLRCELFDAQKAALRMVGYLELMVDWLFPTSSHPEILRRPV
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GMWYMGSGWFVALFV

>comp11989_c0_seq5; 394 553 2229 LEN=2856; translated
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DTESEQQKGVVFLWPNDIAEKIQLRFPPIHGGGKLCAMVFRWAPIRIVAYHLCTPANVPF
FQVLR.SVFVMTLGGSRSLRKLKFSGEPVELRYQISGYGIPVDLLPLTPTGNVKVSYLRHW
IRLRATVEEADLDAPCPQNRHQGEHEHEHASNGTNSYKTRGVFTMI ECPGSLDVVFRPGR
PVMNHPGNVAFRSLIESMSKTHEATATQTKKSTIVKGVVDEIKTKGGRFLVWDEKHGCWTA
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NKKRKRRTTTC SQGAF CFV

>comp11989_c0_seq6; 215 553 1323 LEN=3326; translated
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SRPSSCPSCYVNTKEFRLKFLRCELFDAQKAALRMVGYLELMVDWLFPTSSHPEILRRPV
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>comp11989_c0_seq7; 215 780 1550 LEN=3553; translated
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SRPSSCPSCYVNTKEFRLKFLRCELFDAQKAALRMVGYLELMVDWLFPTSSHPEILRRPV
RLSDFDEEEKLLIRKGMIOQLLPFRDRSGRRVLAGVATMGIRNNPLMVVSIVCFVLRVVC
GMWYMGSGWFVALFV

>comp11989_c0_seq8; 215 780 1550 LEN=3489; translated
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SRPSSCPSCYVNTKEFRLKFLRCELFDAQKAALRMVGYLELMVDWLFPTSSHPEILRRPV
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>comp11990_c0_seq1; 487 40 1284 LEN=1390; translated
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FQDNFR TNGRNNHYDGDNYFFPERIYYDNTEDYEHDWEVFKTFASNYGSGNELSVLLNC
PDVHSADRYANVVIPDEESFKLMNKVYHSTMAKYRTNESKYDTFPT EYRSQMTLSTEVRI
APVVGRGIFATEDIPEGSVWVKSTNTAEFRSGNAYRKFIIGLSMYDKDLACDAILWSYIV
KASPTEFAACIDMDAGSMFNDAMGVTRD TDVGGIDRDTKYGCTGRSLYATRNIQANTELH
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>comp11991_c0_seq1; 256 1 1292 LEN=1582; translated
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RPHRLSVETYGLV L VFFSAAFYALAGAFVKLAHARGGLPSTELVFARGIFQGLVVLGLC
LCRDAKGQRLIAHPFGRSAEAQRLVWMRGVVIGGAGFLLDYHCVLPLGDAMTLM SLYPF
VTIVLARIFLGE EIQALHMLTTVASVSGAVF IGQPTFLFGGGAESPTLGYVTGLLGSCC
LASILILIRKAGKIGVHTFQLLLSWALFGVVF SVVLGPYEGKKGWPSGPAAWGCVLGVCV
VGAGAHFV LNYAGRLAPAGLVSVVRASDIVFAYGF EILLFAQRPNAWTWIGVALV LGS LV
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VVSSQSFKDE

>comp11992_c0_seq1; 205 203 514 LEN=563; minus strand; translated
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ASGSSTA EDEFVSDVSAVSDKLVHGKSGRNHCVVCDVSPFFWV

>comp11992_c0_seq2; 635 89 1504 LEN=1562; translated
MIASRFAMDKLVRNSANVANKLILGRGAARSMSTVVEFEHGRGAWKTYGDIDNIEQQKYQ
IKTFNKISPVGLSRFHQDQYDVRSGDAANAHA ILLRSHKLQEEDVPKTVRAIARCGAGTN
NIPVPRMTELGI PVFNTPGANANAVKELVLCGMLLGSRRIVDGINHMKDLGAQGLARERV
EKDKAMFGGQEIKGKTLAVIGLGHIGAMTARDAEQ LGMKVKGYDPGLSVQSAMKLP RDMN
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KEFLDSGDGKYVTFDPEDLLWDHKNCIVLPHLGASTEAEAEDAAASMAADTIREYLENGTI
VNSVNFDPDTHLDARPEDTVRFVTVNKNVPGALAAITEAISNEGLNIVQQINHSRGDIAYN
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>comp11993_c0_seq1; 916 352 3273 LEN=3329; translated
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SSGKPCLRMAMQTR EQHIRRDKATSNICTAQALLANMAAAAYAIYHGPEGLAEIGGRVHAL
ARVAARELIADGFKLAHNEAGEFFDTIAVDVSSKGLTAAEVQAGAVEAGANVRIIDENTV
GISMGEGVTRDDL YALLCHA FRLDAPDVTAEDDSLTSIPSKYARDGEILTHPIFHQHRSE
TQMLRYLKSLENKDLSLNHSMISLG SCTMKLNATSEMI PVTWPEFCNIHPFAPHDQVEGY
HELIEDLNTDLAEITGF AAVSAQPN SGATGEYAGLLAIKDYLESKGEGHRDICI LIPKSAH
GTNPASAVMAGMKVVVVNNDKGNIDMEDLTAKIEKHRDNLA AFMVTYPSTFGVFEEGIK
EIIIGSIHEAGGQVYMDGANMNAQVGLTSPGLIGADVCHLNLHKTFCIPHGGGGPGVGSIG
VAAHLAPFLPGHVS GPEASGKLCGNELCVPKETGAIAGAPFGSAAILPISWMIKMLGEP
GLKLATGQAILNANYMAARLNGAYDVL FVGKNGQCAHEFILD LRPLKSSTGVTEEDVAKR
LQDYGFHSPTMSWPVAGTLMVEPTES EDLQELDRFC DAMLSIRKEIDDIGSGRIAYEDSP
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EAYEDEEEMKKVA
>comp11993_c0_seq2; 916 337 3258 LEN=3314; translated
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SSGKPCLRMAMQTR EQHIRRDKATSNICTAQALLANMAAAAYAIYHGPEGLAEIGGRVHAL
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GISMGEGVTRDDL YALLCHA FRLDAPDVTAEDDSLTSIPSKYARDGEILTHPIFHQHRSE
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HELIEDLNTDLAEITGF AAVSAQPN SGATGEYAGLLAIKDYLESKGEGHRDICI LIPKSAH
GTNPASAVMAGMKVVVVNNDKGNIDMEDLTAKIEKHRDNLA AFMVTYPSTFGVFEEGIK
EIIIGSIHEAGGQVYMDGANMNAQVGLTSPGLIGADVCHLNLHKTFCIPHGGGGPGVGSIG
VAAHLAPFLPGHVS GPEASGKLCGNELCVPKETGAIAGAPFGSAAILPISWMIKMLGEP
GLKLATGQAILNANYMAARLNGAYDVL FVGKNGQCAHEFILD LRPLKSSTGVTEEDVAKR
LQDYGFHSPTMSWPVAGTLMVEPTES EDLQELDRFC DAMLSIRKEIDDIGSGRIAYEDSP
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EAYEDEEEMKKVA
>comp11993_c0_seq3; 933 1 3232 LEN=3288; translated
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TIGFESFDELVKSTVPADIMTDKPLVLEDPMSESEALNQIRKFA DRNKVMKSYIGQGYD
TQVPAVILRNVLENPGWYTAYTPYQAEISQGRLEMLLNQTLVVDLTGLPMAVASLLDES
SAAAEAMQMC FALKGGRGK KKKKKNKFFISNDVHPQTIGLIETRASAIGIEVVKGNHSDVDF
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DI AVGSAQRFGVPMGFGGPHAGFLSTSDKYSRKMPGRIIGVTVDSSGKPCLRMAMQTR EQ
HIRRDKATSNICTAQALLANMAAAAYAIYHGPEGLAEIGGRVHALARVAARELIADGFKLA
HNEAGEFFDTIAVDVSSKGLTAAEVQAGAVEAGANVRIIDENTVGISMGEGVTRDDL YAL
LCHA FRLDAPDVTAEDDSLTSIPSKYARDGEILTHPIFHQHRSETQMLRYLKSLENKDLS
LNHSMISLG SCTMKLNATSEMI PVTWPEFCNIHPFAPHDQVEGYHELIEDLNTDLAEITG
FAAVSAQPN SGATGEYAGLLAIKDYLESKGEGHRDICI LIPKSAHGTNPASAVMAGMKVVV
VNNDDKGNIDMEDLTAKIEKHRDNLA AFMVTYPSTFGVFEEGIKEIIGSIHEAGGQVYMD
GANMNAQVGLTSPGLIGADVCHLNLHKTFCIPHGGGGPGVGSIGVAAHLAPFLPGHVS GP
EASGKLCGNELCVPKETGAIAGAPFGSAAILPISWMIKMLGEPGLKLATGQAILNANYM
AARLNGAYDVL FVGKNGQCAHEFILD LRPLKSSTGVTEEDVAKRLQDYGFHSPTMSWPVA
GTLMVEPTES EDLQELDRFC DAMLSIRKEIDDIGSGRIAYEDSPLHNAPHTLDDLMSDKW
DRPYTREAA CY PAPIKSNKFWPTCGRVDNVYGDRNLVCTCPPLEAYEDEEEMKKVA
>comp11994_c0_seq1; 511 602 2137 LEN=2532; translated
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DASPKRSPTNQIDRADITAEAYHKNGGGGGTASANEKGCYSILQTSERLVPFVVLDMELC
GDNKDHRQYEGPSSGVEKYALADVQLARESDLGANDEILSCVTHLGNLIQPGDVVLGYDL
VSTASNLNTTIHKASSAKKGSFSGASSVVGLEEVLSNVVLQDVVLVKKISAKEQKQRE
LAEDMATRQINHDHEMDATLNDGGGKDTARRSGKMSKKKLRQKRDKKRRELEESAARM
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>comp11995_c0_seq1; 359 1 1231 LEN=1321; translated
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LKHPRLFPRNTGRSGILLFGPPGTGKTLVAKAVANECGLPFLSVKGPPELLGSYVGESEAN
IRRVFASARLAASNPLPIAASILFFDEMDSLAPRRGETDHGGVMERVVASLLAELDGGS
SGSPQNGRVFVLGATNRPDLLDPSLLRPGRLDRLVYMGIPDTHGERTRVLASQLRKMKL
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>comp11996_c0_seq1; 228 42 1204 LEN=1204; translated
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AVTLLDIRPRGIGIACCGSSAGQLCGWMKRKSTTIRFFDLSQCGEIVTMRDLGKSDVKEG
LVLESTLSRSLGPIISFPASPMLGVIGVAPAGEDDPIGTIPAGKHGGNLDNKANCIGSTI
YFPVNHGALLSMGDMHASQGDGEISGTGIEIGGDVLLRCEVLKQEDVYGDDESSREDQR
LEYPVTEETHWITHGVAVCDFPETTSIACREAAKILVGQWGFSPPEESFLFLSVKGDLMG
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>comp11997_c0_seq1; 653 1 1777 LEN=2071; translated
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REILPLVAAGAVVFIGRYSWKALNRMDDEDWEDYLWELKQYERARVQAKADATITIGVDLG
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SSTMVMDIGGLASTISLVRDDKVVASVSLDGIGGENFVQQLVDRILVETGDETMGKEPMT
LTMIQTNARSSALELVNKTQSKIHIPFLYMGRRPDDPHLETTISRRAVLEQAVQDGSKSI
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>comp11998_c0_seq1; 217 1 233 LEN=818; translated
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>comp11999_c0_seq1; 233 248 1678 LEN=2220; translated
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LLDFVWENRNDWVKVSHGRALGYFVFGKNFNHDQRNQVINEYTLRSGFRSTSYRETWGES
DYRLYFPQKRKEVSTKFRERFGSSLASIYARVLGVDPGFIVLGDGTGLAKQERMGFPAVK
IVFPSLFWHFNPNHTDNYLYQMDIIDGRQCDKDRQRTFLIPLTEPPGAGLYYWFGDGTR
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>comp11999_c0_seq2; 196 248 1051 LEN=2423; translated
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>comp12000_c0_seq2; 123 1 626 LEN=626; translated
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>comp12000_c0_seq3; 125 1 614 LEN=614; translated
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>comp12000_c0_seq4; 365 1 1203 LEN=1288; translated
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YYGDWTDCEGVRSEKCWWDKGYEPGAWYEGRDHVCYCNHNGEWEDCEGVRSEKCWNNK
GFNSGKWHHEMNEKCYCDDDDGDWVDCDVKDVRDKCWNNKGFDSGSWHEVHNEKCYCTRDG
EWDVCDLHHGGDNCKTISEIACGRDNLVSLCDALHRADLYDTLDDLRTFTLFPNDKA
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>comp12001_c0_seq1; 349 168 1341 LEN=1378; translated
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RSMLIQSKGITSIERSRDILTELLMVSDSNLVNPATSQYRARNWLDNVDAIVCPDNT
DRILQRYKLALLYELGGSEWTS CRAEEDIANSEEEEECPGKPFLLSEYNECEWGGMFCGG
NYDSVTAEWLDAFYPLELMNLQSNLKGELYDEFYEFYFTSLKEIFLNNNNLAGTIDNKIGS
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>comp12003_c0_seq1; 425 115 1842 LEN=3218; translated
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>comp12003_c0_seq2; 412 115 1939 LEN=3038; translated
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LVLLIHFALQLPADRYLVKDASGNKVATKKNDFVSVRGKRVGPLDTLSLSCLPVSESTK
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AENNLGAALKQYERIQAPETRALVRLARFGSPYQYNQPLLKDRIGKKLWTANVLMRVLFN
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QVLTTFMP

>comp12003_c0_seq3; 425 115 1842 LEN=2941; translated
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GINAGLMDAVKLECLANTSPDKKSATLAENNLGAALKQYERIQAPETRALVRLARFGSP
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>comp12003_c0_seq4; 412 115 1939 LEN=3315; translated
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NNHNRVKGISYEHGVQCLNVHPCAHEHNSVSVVTKNKGDKGKKTTLRAELVIGADGIDSKV
RECLKQRSGLFQSWNYNKNKFKMRKWI SPATGLKLVGLFIDLAAFPVKLDLTLFLKRLIV
LVLLIHFALQLPADRYLVKDASGNKVATKKNDFVSVRGKRVGPLDTLSLSCLPVSESTK

IRPGNCITRPNHVLWTMKNNGKEVKAWFKDNYPRLLDDDIISDDEWQRFAEADGLTFPPCQ
YSPGLMASSRDNRGIVLLGDAAHSFSPDIGQGINAGLMDAVKLECLANTSPDKKSATL
AENNLGAALKQYERIQAPETRALVRLARFGSPYQYNQPLKDRIGKKLWTANVLMRVLFN
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QVLTFFMP

>comp12004_c0_seq1; 529 25 1512 LEN=1811; translated
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FVVGGVNLATYQVEHPPFQLYEDFDIGSYVVDGPRTMSWKQLVGIRNGLERPSLSWYVDK
VARKRWFREQGIYPQPETYLAKYKDELSDTGRKEDETKAILAHLPTHEHGFCAPKPTHMSMT
MGNWLVDIPPNRSGAGADAPKYTNRAQRLAASGQGGAYDPRVCADSLAEGLOREATEIE
SWALKNVRPGIVIEELYSAGEDRDLPPHEFCMFVVWGRVYAGQWNLVGEDRYMGGFFYRD
GSAAPGCPLDRLPDWVPWNEIVEIAESLSQHKDMFRVDMFVGVPRYSGEDEGVRIAVSES
EVHPTTFMFCNPFIAEEMARLWVAGYRIGSYEVIPNDEVFVGFYGKSVPGGTPGGLHRKKA
SSSGRRATTESGYVP

>comp12005_c0_seq1; 1391 334 5043 LEN=5266; translated
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EAAARLEWSTKMMGDNADLRSYAPKIKWVSPLASALSLSPPIDNSAVHSTSTVTIEEIT
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FHQVELMDWESNIDWQGFKEPSHNKSLASMNNDNTGANKATPHPSSTSNASTTTIDATAT
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RQMAKDKTNRVKDAMGTLSSLGRGRGRTITSSLMGPGGTERTGRPARHVGASSHEHEYIE
QLEMITNHTLVKNPSKIMLREYNRPKLPGTIVQTSLSWQFCIRYNGPSAADKQKPKETNS
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ITDVGKAPKRSKDDRKNERENYNIPEGVTEILHQKAHGPFIGEIEEGQSVTGLISNLF
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KNTQIWTAKRIGQDDYPGVEALGKQLSPEGVVAWEVADSARQRMNDLGIHQLYAGSHATA
SVGVTMFYLAGQMISIEKLANVANLRDFTFKSNKAVKPLQRKYEEAANELEIMSNSLKQ
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GDAQSDGEEAAQKKEAAKDDSDSDDDDFLKGLEQDLIVQSKANQLVAGQSGGDASLG
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EDDFEFTTRGSRSQGTRKRKVGRRGRAAGRTKKKDLQFGKLSKVTKEQRIKKRREDE
MEVYSSFQRRQGTSNRKERGSIRDRRPHVIFANKLESIRGAAESRPSASAFHKPVSRRAY
PTYEMISHPMMATIKSKIEKYEYRSAESLLKDFDLIKSNAIKFNAAHSLAVEASAIY
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LDDLSDSD

>comp12007_c0_seq1; 135 733 1206 LEN=1475; translated
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>comp12007_c0_seq2; 135 973 1446 LEN=1715; translated
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>comp12007_c0_seq3; 135 570 1043 LEN=1312; translated
MAHNLARHQGERMSSSVFFSILGILSLLDIPSGGLLYLFTPAVQLVGQLPNSRTQSEAD
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HMHDGERCRAFRQKLIYTTSTNMPQQFHGSDGKPCWK

>comp12007_c0_seq4; 154 1 1283 LEN=1552; translated
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RHHKQHIPNYVYLLGGLPVVGGIFLYVRFQDVVPLTGRRRWLATQPETEKRIGDENYRQL
LSQYGNNVLPKQHPTTLMIERVGRRIFLAARKFAIENELRWFDAKHATFTVVNSHQANVF

VLPGNHVFFLTGMLEHARTEDEIGGILGHEMAHNLARHQGERMSSSVFFSILGILSLIID
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DGKPCWK

>comp12008_c0_seq1; 963 374 4168 LEN=4233; translated
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GIATQRHTPQTLGKEDLDVPLNYDHSSLSNELDQTEKTKETIKEKPLSSIIATNLDQDT
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SGAETMVDSFGNHLDEAADAKSASNLIIDTSGPSQEAELQVMEVSSSLDRSSSDQKGLSCF
HDSHYNKVNSNSVAKEPGTQPLAQPPQHPSSSTWGMGNRHQEKHYLLMSLPIDSLHSIA
SFLTPIEWRDFGQCSSGNTKISKEIFRRVRMHGFRCAFEVVTALKCGQHADAKELCALYV
SAGVPIYPHSLGHSYHTLIWRLSIEVKQLQEQQTKNSINSVDISTPPNAPGAPRAADETI
PVDFYNERDDMRMREELILGSGRVGLTYLEEKAMHKLNSKYTESHADRIIRSVNWRRRST
NARGLPQVPFMPFPPTASGRRETHADWHAAGRCASSRGQLSRSNSFSGSRFRTPSTIL
KVHRHLLDQHLLGRSGVDDGEGSMPTPPVSLSDAFFHPPFFSFLSTEETMRNRSNGSDSMG
RTTTGNTSLLPAYYQPVSGRNLESEDTNDARRAGSMGSNYTDDSDSDFEAEMHPRPDI
MEPLRLRNADEIVAAGAAMQPPAMVPPVPMVSLGTRPTSASASIISEMRKSSHQLTVQS
GILSNIELDVYSTSSKSLKIGDDSKAGRQLSHYLNKGRFAAYHRCLERHISKNDNDGFEEC
ILDFWDEFPLQATANIHYDYKHTAVPRISRLDEFLLTKPCPKAVGIIQCEIERVKLGSKNSM
KGRFFPTYEYRLFIRHRPADPMSDLFDSQGLIDGIERRDTVLMMAKNRGRKHTESSMQAS
KKGSNYYLSLPLQDDLDLHRSVNRLEETKKPSPNGAGLRTCSSDLGQLGRLQSNFVG
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SNNDGRWTFSEPPQPHSSPLALLRPRSGDATPGRNRKVSAAESFESKQYIAETQPLFYE
QEDGAIITYANLLGSRPRIMDVCIPRVNHDGVEWVKRYLENCKDHDGSSKDRLLNHLKQ
LQQNGQMDHEGRLINPASDDPEVIATGEQEYSPPGDFGLMTLQNRPPWWNVELGSLVNF
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ISFG

>comp12009_c0_seq1; 234 1 670 LEN=1023; translated
XLPSDGPMEPSAVPSFSPSVVPSDWPSMEPSTIPTSTPSTSPSASPSALPSDGPSTLEPT
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>comp12009_c0_seq2; 234 1 670 LEN=1052; translated
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TVPSSSPSVYPSDGPMEPSTEPTIFYEMEPQNCATNFTLVLTDKYPKETSWSLTYEAN
GMVIGEGSKYKNDFEEHEESVCIRYDACYMFQINDKWDDGICCSNGQGSYSGYLDKEGME
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>comp12010_c0_seq1; 347 140 2069 LEN=2249; translated
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SDVVVEPYNSLLTMKRLTLNADAVVLDNSALNRIAVDRLRIQNPSVDHINSLVATIMAA
STTTLRYPGYMNDWIGLLASLIPTPRYAPYAMAAPPLRVFGLSVGTESGISTPCAQES
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PGAMDSSVGDLSANDNRMKQHEQGQNTGIRKTTVLDVMRRLTQPKNIMVSNANMRGRGSG
CYISILNIQGNINPTQIHKALQRIREKRHYGHAHGDIPFIPWGPASIQVAMARKSPYL
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>comp12010_c0_seq2; 379 140 1867 LEN=2047; translated
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SDVVVEPYNSLLTMKRLTLNADAVVLDNSALNRIAVDRLRIQNPSVDHINSLVATIMAA
STTTLRYPGYMNDWIGLLASLIPTPRCHFLMTGYTPLVLPPEASTGSAGSRNVPGAMDSS
SVGDLSANDNRMKQHEQGQNTGIRKTTVLDVMRRLTQPKNIMVSNANMRGRGSGCYISILN
IIQGNINPTQIHKALQRIREKRHYGHAHGDIPFIPWGPASIQVAMARKSPYLQHRHKVS
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>comp12011_c0_seq1; 253 99 848 LEN=1342; translated
MTIDKRSNDEHHTSPRSVRARCFHLYDHSKNYQISSILKTNQMRFRTRSPPMRDQYYEPL
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QRNSVRFHSHKVLVMRIPSRSQYTESMKRNMWCSLSGIARSAQRNTIEFTSEGWDWRNAVE
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TDHTLPAHE

>comp12012_c0_seq1; 365 123 1007 LEN=1140; translated
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ARNQSGDFGSGASSDKLLLEDLADLVFDMIDTRSGQISKEELRAHFDAVTSKLSGDVAA
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>comp12013_c0_seq1; 457 276 1442 LEN=1783; translated
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DFYRDWRRKMWERNCDAVMNLVGCVRAEPTTLADVAKYEEEEVSDIMWQISGNLRGWA
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>comp12014_c0_seq1; 20 1 522 LEN=522; translated
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DESIEHNQHRELSLETLLNQINAFVGRPTTYPVPLAPTLAPDATHYPTRAPVVTNPPTTR
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>comp12015_c0_seq1; 1484 1 3895 LEN=4090; translated
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IAERLFFKCYLESIDIPEGVISIGDKAFRECSLISIQIPEDVTTIGEQVFKECSRLLI
VAVPSGLQDIDPSAFDGCKILCSVEVSEGAPNEAKNVGIQTIADQLKIRFKDLPLHEACY
HANLKGIESSLKENSRAEKQDKYNLNLPHILAINPNATGEMIRLVADNHPDAMANSNA
LRMCPIHLASRNLGKKALDVISIFTDEKILKRLMCTVLDKDSNTPTILSIRHNFANLDM
QRHLFKFQPCDESNFLKQHHRERVTELETWYVTDWITSDFKNLDAHAQNGWVGFVSNAS
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GPPIHKSDTCIVVGAFFMESDDFYKKMYEKARGAQSEVSKGSLREFLKNHNMNQWCEQI
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KNETNTEIELAEFYVGQKFFSSGILPPEMIFHVKTEEQMVKFNDFYFKHTEVLELKKIMCKK
STESLKFVCVKTFNKETIKKKDIAGNAEIEIEIKKGLPYAPVEATEAIDLWSFGTIMYFL
CTKRSLFTVDVNDLVDGDAMEQLYSWNDEKKIKRLDDDVEDPSAKELLRKVLSKPKPEDR
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LKGYP IEITSPIDIVPQLLPCLOHTVTAIT IYNGVAGIFKMF GIPKVPSPGAKDALEKTAD
FLSESSSVKWKVHNATKDVGSTYRFVVRGASLCELEKFFENNDSDKNYRGLHRILDYDG
YACWTAVEGAKRDPFLKRRQSMRRAAENRELELLKLLKKEGGSDAVRQSSHQDAAESPDP
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>comp12017_c0_seq1; 556 344 991 LEN=1101; translated
MMFKTGKSNRYLTLCLLVLMVLVASLNNVVVAEEAVE TD TSAEDAAAAAKAAEEAAAAKA
AEEAAAAAKAAEEAAAAAKAAEEAAAAAKAAEEAAAAAKAAEEAAAAAKAAEEAAAAAKAAE
EAAAAKAAEEAAAAAKAAEEAAAAAKAAEEAAAAAKAAEEAAAAAKAAEEAAAAAKAAE
LVDSAKSMTNKQKKQAVAFVAAAGFGTAFVAGKAK

>comp12017_c0_seq2; 529 344 964 LEN=1074; translated
MMFKTGKSNRYLTLCLLVLMVLVASLNNVVVAEEAVE TD TSAEDAAAAAKAAEEAAAAKA
AEEAAAAKAAEEAAAAAKAAEEAAAAKAAEEAAAAKAAEEAAAAKAAEEAAAAKAAE
EAAAAKAAEEAAAAAKAAEEAAAAAKAAEEAAAAKAAEEAAAAKAAEEAAAAKAAE
NKQKKQAVAFVAAAGFGTAFVAGKAK

>comp12018_c0_seq1; 171 323 928 LEN=1007; translated
MTTAMATVANNIFVALNWVAFVGGWIFVTYGLQSVYPSWDVAHLMPVMLLEGICILEVV
RIFMGNLKGNFVLGVVLHAIRLITILETMVRLPNHWTGPFILGSWATTEVFRYPMYMLPG

NNFCRSIRMVVPLLTFFVGFSEAYGAYIVFVDSKTPLGLKIALSAVLFVNGVLPPTMAY
PALLKKGLPVLGLCRKREKKE
>comp12019_c0_seq1; 296 88 669 LEN=820; translated
MPASTKLRRISNVNLKGPEELVTITNPDVEVTLPEFPYGYRTSEATWDELVQIIIEVEYDI
PKLSRSRDQQHHYEVFRHHMKQQYDSSRDFILISKFGFDAVPSNAKEDGSEIPNDQTTNN
GIPSEQLKAHPCLEVDVTPKIVLVQNDFFPYMEDNVVHVVLWKIKEPITEEEIKEAREE
LQSEKIKALGIIQW
>comp12020_c0_seq1; 51 1 597 LEN=1202; translated
QTSSFCPSCIFGSPKPKMVRHKNRWLLVKIELADDIRNKKKEPPIGLPSALFSPKKEFTT
RLRRTIAWCFGIAGEGPACNTQIRFCDAAETQLALIRVSRREDCDMVRSSLTLLLRKQLLS
LGEKAEGQPWTSSDYASVSVHGSARTAKIATFRKLRELYRLKLQKNRSMFSTDEGFET
KICRGLQERLTLIQNNVS
>comp12021_c0_seq1; 537 152 1711 LEN=1797; translated
MGRQTLQRTVEIAQSTVGLEVIYGDTSIMINTRISDTNALSTVRKLGEQVKKEVNKLYR
TLELEIDGIFRTMLLLKKKKYAAVTIEQNRNGEIKVGREEKGLDLVRRDWCVQSKDTGHY
VLDQILSTEQEKEVTLISKILDNLEQLAQNMREGKLPLEKYVITKGLSKHPKDYDPGRALP
HVHVAKMMIKNNRRLTVGDHIPYVICEPLETEEANNNDNNKSKSVAERARHPDEIIRSGG
VLKPDVEWYLTQQILPPVSRLECEIEGLSQGLIAERLGLNASKYTQRRSFGDGEMNDEL
VNYVPESYKTDKERFGDVEKLSLTCSACGVRSEFRGLLYLRKSQGDGTGLCTGFKCSNP
DCEAQYLGDA SPFECMARIMNSMEMLMRGHIQAYHEGVLCDDPACGLETRQLSVC GGVC
LSRGCNGRMKPLVSERSLQKQKLYFECLFDVGHVTKQLVASKTNFGSNENQLASMISKTD
RKMADELFSVAKENTGECAYNWITPSFWKEVFGGIQAKQ
>comp12021_c0_seq2; 883 1 3547 LEN=3633; translated
XEHKMSYLDFFYMDAAERRNGDVLFFGKVALPDQTSEKKFVSCCAVVKGNLRNLFVLPKK
VTGDDGEEYVGVWQVHQLKGIQPCIPKVGASWAGKVVQRKYAFDDPDVPREETS
MKVVYDAKYPSPSEEICTGGGKECVAKILNGKASILETFLLKRKLMGPCWIRIAEPDPSE
HSVSWCALELQVGNPKQVKRLDSLVAAGTPPRPAPPVSVTLKLTVLNPKTAKNEIVSV
SAVCHKKVQLDGTQSPQLMTQVSLIRPIHLDSGPGTIQRGMKFRDMDKELRAKMPQ
LKKMPNERALLSYLVTQIGNWDPDLVGHHAAGHDIQVLLTRCVEHKVVMWSKFGQRKT
ELPSKTYFSSGKDWAISEAISGRLLCDTYLSAQEHLNETTYSLTNLAKTQLRTDRQIEP
MDTPQYFHKSETIVALARHTLNDLQVQRLMFKLQILPLTKQLTNIAGNLWSQTMKSNRA
GRTEYLLLEHFHRLKYLVPKHKGKEDAGKAKYAGGLVLDPKKGLYDTFILLDFNSLY
PSLIQEYNLCFTTVDGWAAFHKQIEAAKEQTSNPNSNATEVALPPLPDESQETGVLARV
IKNLVQRRRQVKGMMKKNREKYDELDIKQKAFKLTANS MYGCLGFSNSRFYAQPIAAL
VTSMGRQTLQRTVEIAQSTVGLEVIYGDTSIMINTRISDTNALSTVRKLGEQVKKEVNK
LYRTLELEIDGIFRTMLLLKKKKYAAVTIEQNRNGEIKVGREEKGLDLVRRDWCVQSKDT
GHYVLDQILSTEQEKEVTLISKILDNLEQLAQNMREGKLPLEKYVITKGLSKHPKDYDPGR
ALPHVHVAKMMIKNNRRLTVGDHIPYVICEPLETEEANNNDNNKSKSVAERARHPDEIIR
SGGVLPDVEWYLTQQILPPVSRLECEIEGLSQGLIAERLGLNASKYTQRRSFGDGEMND
DELVNYVPESYKTDKERFGDVEKLSLTCSACGVRSEFRGLLYLRKSQGDGTGLCTGFKC
SNPDCEAQYLGDA SPFECMARIMNSMEMLMRGHIQAYHEGVLCDDPACGLETRQLSVC G
GVCLSRGCNGRMKPLVSERSLQKQKLYFECLFDVGHVTKQLVASKTNFGSNENQLASMIS
KTDRKMADELFSVAKENTGECAYNWITPSFWKEVFGGIQAKQ
>comp12022_c0_seq1; 349 174 1565 LEN=1694; translated
MPQPPETHPHRKRNRGEPHEPDPEGGLPPVLLRGPTGEGPSGGGAFVPAVHRDRYGD
SGGVGKDHRSLLRAIARAFEEYQAVYLPGYAGGGSPGTPHPLCWEELGSVYERLGDADK
ESLCIEHRFAEEQNQNSGRDAGTPAAASRFLCSKADPRASGYCSFTVQNDTKALSEMLER
LPVKDPVAEAEPTLPSAPAPAPAGDKGAAGWSYEPCLWIFFGRNRANAGANADLEGRPEH
TDQISHDGTWHYQLSGTKRWWRPTPQLLRWEKERKGPKRRRAGGSSESGGASEGENEG
PGDEDRGLPEPLSIDCREGDVLVNTLRLWKHRTVLPTQPGPSVSYARDFWTREREAPGAS
KGGTGAMTNVDGLYAADDIEENTVVFTEETMPGCELHRAGTREANCFVAELEDGTQAVV
SSRFIAAGEFFCVPESSDSDSGWGDHDESEDDSESSEEQCI VVP
>comp12023_c0_seq1; 275 1 1194 LEN=1372; translated
XLVAYTLHIYLNTHYINRFQLQTDKRKSNQEKKNPKFGRSMITSRLFGLVPGAEQSN
LNLPWSCAIYSIVNWMVAFCDVEGIQILCLKVLVPLENEQHRMTAQHAGLADIVLRDMV
MFSESAELHIAAFHTIVLLARPHGGREGMMFRTSMTAGGIFRGIYQQHGKSGIAVMLDSM
RRFQDNATLSAMSCWALVNIALVSDQKAVLVKLGGIQAITNAMYRHPYSAELQFRALFAL
INLVIPSENVENNDNGVNTNVSENNAAVPSVPELGDLETTEREI IDELVGDIA SLVI
RVMKNFCSSEAILNRACLVLHNLSTDDYHAILLWTPHCYQMLEWCIANFRDLDLILQQSA
TGTLHRLQSTLALDEQMRSRFTKSLQAQQHHINLKR

>comp12023_c0_seq2; 1269 258 3912 LEN=4090; translated
MDDHQSGCPGGPYHSLPPNRNDASNVEMSRSSSTGREATDGNTSENFRLSLPGFSLKVVH
HDEERMPQRNHKHGVVPATNHRESPDTGTASSNGEFDQRMASKKADSDNVVTAATTQN
SSSSSEYHDANQTTTAVATTTSSSGSGGDDDDRGECSSSTIDGGANAMNKGSEKSNRGEID
IANHDPQIKKIDKIVSTGIRDGVSHRKKLHHQEQDATKHKKSWRSSTMNINKPSTDDGGS
SLQVPGDDGSHRIVAMDTEGGVPVKPATVVASHLFPKASNSSSSSFAGSAIKSKTESQRI
TQNQHLLLLPPHREPGYHKIRNTLYRFQKSEGIYGNSHRMKRCCKRRRRGGATDGSSTEEN
IESDALKKPPVYTHRQHCRVDRSSSSSSKIIDAANKHKRSKKRSRNRSSADTETTFDHA
RSMKAKDSTSALPNPSSLDDQTAGNSSSGSGTDGTEDEGYAGSVSSNENFSGNHQLGSASPS
PSVTSSECEQKQEDRRDNDNDNDKHKSSHDPDSSEIADFSSSGSSETMDEEDVEGRRCN
SSQKPVVKTFSSTPSSPSFSSSHYTDSDGLESSLAKRDADAEHERMVKMFARKRKLK
EVKKPLATQRMSSKRLTVKNLDDGRPPILAMGCDIMAHILTFLHPPEILDVLTMPLSLYW
RKNFTLQPELWRVLCLEVPFKANMDDPLSPPKSKIRSSDASDDSVIKGAGERLLDKYRL
LYTSFVRCMKYVTQIRDDAVNGRSPAYIDYIGSALHEEPARYQFNFNGTNRNSSGPPP
PAALGSRNLQLFLAQARNIVLNSNSDANNAGDEAKAEDTSENRIPIILTPARVGT
HKKTDKRSNGQEKNGPKFGRSMITSRFLGLVPGAEQSNLNLPSCAIYSIVNWMVAF
DVEGIQILCLKVLVPLENEQHRMTAQHAGLADIVLRDMVMFSESAELHIAAFHTIVLLA
RPHGGREGMMFRTSMTAGGIFRGIYQQHGKSGIAVMLDSMRRFQDNATLSAMSCWALVNI
ALVSDQKAVLVKGGIQAITNAMYRHPYSAELQFRALFALINLVIPSENVENNDNGNVTN
NVSENNAAVPSVPELGDNETTEREIIDELVGDIASLVIRVMKNFCSSEAILNRACLVL
HNLSTDDYHAILLWTPHCYQMLEWCIANFRDTLILQQSATGTLHRLQSTLALDEQMRSR
FTKSLQAQQHHINLKR

>comp12024_c0_seq1; 311 117 1037 LEN=1069; translated
MRSRVMTSVHQHQRNNATSNAFSAIAGNSHSSVTPPSNYARNLHLQRNILLVLCILS
IIILSHWKSFSVAMYSLSHPSGAAKDDSSCEISLGEYLGVPVYHSVESGTIGEPKCLLNS
KWMQVSLHTVKFPGSDATYDDMMWIDYYDRINVLVEDERKVGGSSEEPFLVVFQQT
LEGRKSMVAVGGIIEVGEDPESAAARVEVEEMDGLACENFHFLLGRHRSDVNRGIGWLN
LATNCTHSGSTKNVHSLANEIGAADTEKQKLSISLSELRQALAQGKFIQVQWTATVAQA
LLRFYS

>comp12025_c0_seq1; 449 67 1242 LEN=1506; translated
MAVLP IQHRNLSRFFSLAFFSLWELSQITAAAFAMRSATSISAAARQSCCNDKGAIP
ETNVAPSLVPSNSTDGSSPILFLHGLDSSAQWTKGVLDLQADYRAVALDQRCGRSPL
GDPTEFSPGALVEDIYAFLGTHPYFRAPVEPGGDENPAPPTIRPFVLVGHSMGGRVAM
AATHPELVLALVVEDMDIRSRPLSERVQSKDHASTLSFDRALGRRGIQTKDEILKLFCE
REGYPSSQVEKWLTPQDERIEGVGTGECYSQVHPAFRLLCYQQFFETDHGKVVWEAL
GGGASSPFIHLLVADPTATICDDASLAAMATAMGTTVADADAPVLSPPSRRLAIRRYR
ATHSIHNSRPDEFLLDLRAIVERAATRSEA

>comp12026_c0_seq1; 334 171 953 LEN=1006; translated
MPQHEHMERHKKLHGVRMDHEERMKKEARLVHKRSEFSQKVHGIRAKLYQKRRFKEKAT
MRKTIAMHNERTNTHKNDEAVAEGAVPAYLLDREGVSRKAVLSNTVKQKRKEKAGKWEVP
IPKVKPVADDEMFVKMKSGRKRGKAWKRVTFTGAEAFTRKNPKYERFIRPSGLMRKR
ANVTHPELKTTFQLDILGVKKNPSSQIYTNLGVMTKGTIEVNVSELGLVTTSGKVAWGK
MAQVTNNPELDGCVNAVLLV

>comp12026_c0_seq2; 81 42 794 LEN=794; translated
DIKGTNTSTVNVNDNDNDNNKKNNSQVNSLEYSWSFDQTRSSADKGRRIIPSNQAMDHY
NALRSTEAAKEPDGDNYIVYRACCGLGHRLLRNAAAVRYAREKKARFLWVEWTKKEHV
PKTACGFERREVGYLDELSEYFFGPGPIVLLNETEDEAYENKYLPLPKTYDPKVLETR
DAWQKHSRKKPDLCLNGASNYTARCFGWQNHRAAGKEDERYWRQIRSLYRFNHRARSFA
EHNRFSERIVL

>comp12026_c0_seq3; 167 1 719 LEN=719; translated
XNNDNDNDNNKKNNSQVNSLEYSWSFDQTRSSADKGRRIIPSNQAMDHYNALRSTEA
PDGDNYIVYRACCGLGHRLLRNAAAVRYAREKKARFLWVEWTKKEHVMPKTACGFERRE
VGYLDELSEYFFGPGPIVLLNETEDEAYENKYLPLPKTYDPKVLETRRFYDAWQKHSR
PDLCLNGASNYTARCFGWQNHRAAGKEDERYWRQIRSLYRFNHRARSFAEHNRFSERIVL

>comp12026_c1_seq1; 77 419 1163 LEN=1163; minus strand; translated
MEHLLRRHEQPVLVLRPVLVVVAPDRVPFLRGLAEEAVGEPHRSIADLSRLVAGNRTEQ
VPLLDLGLDFGRASLWDLAPQVRVEDRHEGNHGCKGGVPGDYRIGGPHQDHVEDLSVP
ALPALLDGVPTRSVADPRPLGQSDLGEAHRDHAVGFHGLLQQREDRHVVGHKDQWGQLV
EIVAAALVAPDCFWASRILAAICSSVLXEVFDVAIEAYARHPPALLGVEPRLVVPDPEVD
PQDDPLREX

>comp12027_c0_seq1; 387 454 1276 LEN=1276; translated
MRLPPKSITDHETSHRFAKDRRPPAPIEPRVPVAVASLSFDESSLASSASAREDFLLVLVS
SVSGSVVQTKNQNRALTMVEACGIQPEVLDA SDPANALVRDEL FEMSGIRGVFPQFFLVQ
GDRTSFFAD FSELEHMNDEGTLAEWLGME LPTVGPAGVANGDAAASEDAEDSNADQPARS
APADPDGSI SKEF SMRDTGVAGNEMDC EHRYAASSSTEDLFNVDSVSKVLNAMSPAPVTP
RERTDSSQKDRDDESESEFENESNFESYDDDDDDX
>comp12028_c0_seq1; 549 130 1500 LEN=1805; translated
MASIYSSGLVIAAGTYDGVLAGWFEFGEKSKDSTATTEGSSLTLSFATAVHDGSIRSLCIA
GNANKNQPGALLSCGYDESLKTHDWSKRQTSSGEV RTPNGFGTPMCSMFAPPTGHSTHCI
VGF SSEGKIC IYKKRDWSIQHVLNGHEGGIGSLAVHPTGKLAVSGGVTDGKLLKLDLTKG
RLAMVNKINPRSTLGGRRARYDPI TSVIWSKEGDFYALSHGSHITVREVATGKALLDVEMP
SKVNQVALMSGPEGLFVVAACNDGSLPVLAVEDSDDENRKA IMAIEPVDSLHAREERFKC
IQSVRGYFIVTSNSAGVVSLMNLQGA VNMMSPPQQEGENSRSDSDGSEDEESDDSDMEL
AVDIVESVRLGTGARITCLAAWCKTEESQIEEVEQKHVSEVKKEKKKNESIEKPLKRKME
SRVDDSMDSDAVKKARSLVKKAKKLSKKEKKKAKK
>comp12029_c0_seq2; 331 53 763 LEN=1291; translated
MTIRVEREALLSVISTSPSLKPNATTTSDASKPCNPCIQDDNEYVIVDSVPTKSFLIRKS
GDDDAASVCTLTSTSSVSSCDSSTD DISSIDRRVSFASQLVTDVWTRERTLPEDVSNLYYSS
LETQTFRQEYRLEKKLISELSIDPETFPV DDEDLSNLVAATTCANSSGRHRISRVCVVYN
DKLETFCNP TDFEMNGATQK LATLSNSQNSNCTENGDI PSDFFDND SFWSGSLTWY
>comp12030_c0_seq1; 711 105 3503 LEN=3503; translated
MMGMEVEMKLGKETEMETDTSYYSYWPEPFMDYQVESGQPGLEFYAFVAAAYTLLAFILI
GPIVLWIRNQKQREFV DTSREFNKENS NKVYKDQENENRKHL PRAEVPQEPRKPPRNALDN
HWSLDMVTRKSTERNDSSTQETTTTRRTGSDRDTIRNEQPKNSVRSQMPSSSDEHGERFS
SRLSSSSSIGIDKRGSSRTSTSSSKSRSPSIRNALQRQFHQSYPDQDPDFQNHIAHLFSQ
QPLNHGIQSQIKQKSSSNVVRKQRQQQHEHQAFQPTASNQPSSSSRNHHPNRTNEVSSS
VPSAATTSKLYQHGGNPSNKGFSRRVLDVGGRRWKNRRP IGRVDVIKRNSSSIAESQNNR
LSNLNLNSTNLNTLP IVPQEQRARRVMSDVASTILSEQHHQLHHPQIQLDISMMKQFN
LERLQLQQQLYQQYNLPQGEHRHMLAIQQYEPRYNMGRSSRSSSASALSSIVDDISPND
ADAMPDGRGNHFTETDEKYLSPDMSGGPKVQSRVCAPIEGFLSLATPDFEKWNLVVK
SVPLTLGACSEALFRLITIAFISQKLGTESMIAYLLVGLFVRLTSEELAGAIIDALSSFV
QASMDRTDVEAKDRSYMAGQYIQLGFIVQVMLNIPLLLVWAI FMPQFVMWLVNREIANI
AGSYASIVVASYMVQALSRTLTVVFQIRGHQHFEVIDLVA AVIQVVAIACILVLVDGVN
LNTVAYIQV LITVSSAIMKITYPQARGWMQPYHKGIFQNVALWNYKFGIFHLFKAVVPLF
IGGVLEYGEWEILTL CIRSLGPAEVATWALLGLLWDFFEALIEGLAEAAANKICYLLSAG
QVDRAKNLSYSAIYMAVIQSVMTSTLYMTGQYLAVLFTSDPAMQHIMNNTIAMIGVANI
IMAYSRI SWSVVGSGQGRYQLATFVVFFSRWFVTMPCALVSI FVFRFDLNAVAGSLVVGYA
TACSALTVVVLSDDWDRLVRLRQAMNLPAPMDFDAGDPKRPGE GAGSDGDGMVNPALV
MNLDDFDDSDSDGDFGLGDYTNANEDDSAPTEAASKKSDARRAKGXAGRTGKKGFRTAV
AEFDASLPLKRIRANGVSFVTIEVGNKNNRTTPPNQVSVLLAQNGITDLESYKVX
>comp12030_c0_seq2; 181 1 1048 LEN=1555; translated
XPIEQIQRPKPSIAAPNRP IPSKLHTNFDYSMSATQQASSPWLYFLLGNILPTIAYFAYK
HTSPGKAAREETEYDSDDDSEYEHDDGARGGSSAAGEWGIADAPYKMVLVNVNHELGMGK
GKIAAQCGHASVGCYKRAARLCPAGLRAWELTGC AKIAVKCPT EEMRGI CEAAAGRGLP
LYLVEDAGR TQIAAGSRTVLGILGP ARVFEGLTSHLKL LERERETRAGSDAMRRRRGPWF
GGPDANRSIDRSGMPHDDNDDDRKNPN GADRRLDRVSLAVVGSVSPAIXAVKKSATPWIP
LAACVLPFRSPIGPSAFRFYPLHPWWQETDSDHNNKAQVLFDTYRTTK
>comp12030_c0_seq3; 276 273 950 LEN=1109; translated
MAVIQSVMTSTLYMTGQYLAVLFTSDPAMQHIMNNTIAMIGVANI IMAYSRI SWSVVG
QGRYQLATFVVFFSRWFVTMPCALVSI FVFRFDLNAVAGSLVVG YATAC SALTVVVLSDD
WDRLVRLRQAMNLPAPMDFDAGDPKRPGE GAGSDGDGMVNPALV MNLDDFDDSDSD
GFLGDYTNANEDDSAPTEAASKKSDARRAKGVQDAPERKGSERR
>comp12031_c0_seq1; 1144 77 4252 LEN=4292; translated
MKNLVLLGEIRKKLDAQASAPASEAEDIVSLCEVLP HNYESESSTVVLTENGIVTKVTEDG
DVLWTCNIEEATEDVGGGWFDVSFVDPELVCLSRGAI VTLDP TTGEAELVGVFDQGLEA
AAWSPDKEVLLMVT SIEEDEDEDTDQNKDPEINSHLMTMNSSFEVLAEIRIPKYVPSSTS
PESKISVAWRPDGSLCAVSSVDAEDSMRNVRIYKRETL EVHAIGRSEDASGALVKNLQNA
SIGWAGTGCSQLLAAVQRKGGKTQQV VFFESNGLRHREFV LREAPSTAVSSLNWNSTSDI
LAVSLREEDGSEKVLWHRCNYHWY LKQELRFC SRQLR LVRF SKENPHELLILLSSLEWR
KYEVRWDPSTVLT FEEKSMAFVVDGSSLNLTAFQKALIPPPMCANSYVMDFPITDIAFCK

EHHRLGTSLVRI SNGDLVLEHTRGTVSSFSQTKVLWGNTKIDIDHYSLSRVFI IGAEGNN
LHLVAFQSASCNERNDKIVEITVTGLDTQEPRSDVVGSYFLEGRVQRAVQWSDAMDGCIL
QLHDGSLVEYDRSRHTRVMP SDMEPLLELCPWISAIKDVTPFCDSEYSRSGFVFGLSKSKS
RLYLNDVMLADSASSFFLTLNHEFLSYVTTGSRQCTRFLPLKEVHAFDALMGPEQNYVLE
GYEPRNVEQGARVVAAILPQQPQMILQMPRGNLES IYPRALVLQFLMSKITAGAYVEAFRM
MRKHKVDLNLIVDLHPKDFLGRGIASFVKKVDTIDYLNLFISTLQNYDVTQARFPVPTWI
QSSDEKVKESSEFDFSTKVNSICRKARSVMIDIEMAGEKPNGYLLPVLSTFAKENPPKL
DQALSLIKDNALRLNKTTPSANPLFSETAQNSIKYLAFLAEYELLFETALGMYDFE IARA
VARNSQMDPKVYLPLLKRFTLPMYFSRHEVDMRLKRYDLALKNLYESNARNETLDCFPQ
YEVLEGNSFEACMKLINERKLHKLGLELFSSTDEKTKIVLMALGKSLMGESRPSTALAVY
LSTEPDIEGAMNAARSAHDWKTYFSLLESKDNEEPKQDEFRIERRQTAREIANE IKA
SAFSPQTVRQANLDASRLLLDYGDDLIGAVDCLTTAQSWSEAYRVATLHSRKDLMKRCVD
SSIAFAHMSIDNFIDRVEEFNKTNLKYFEVLKLRKQNVLLQGPEPAGSVGDETGSLFSLA
SNASNTSLRSSASTSSTSSVGSNVSSVISIKTANTFSMTGGKDGDRHRSKFNKGKSKKQ
GRKKKPRKPGSVEELQGLVGLTKSSCPDSDYSATITGTIQFLVIVQNLALAKELFDAYN
RLQESIEKSQSERLENAVAKDKKEAEGLTRSHGVEHDLNHILIDLPIEKEVDALACAPLAS
SISDFFDFLPH

>comp12032_c0_seq1; 533 144 1589 LEN=2145; translated
MAAEVVRQHQNLSNGEEIGE AQRPKRNALPKKRLPVAQTNNCS DGAVSNTSII DRKLEA
EKVNHNANKSGKKIKKRRNQEIFSIESMLLEPKPRNIDQRPRKKVLTMSKSKKRSVMTD
IEVKQEVQTVQGEDSPVLVSLLPDSVSLTSTNIRCPDLLVTSEDDHCLPRKIEGPFDP
KFTTGIASFDPKNERKVDEVPFYVTDIFQRLFDAEEITKPSASYMTDIQSRINSKMRAML
VDWLVAVHKKFRLQPETLYLCVNIIDRYLSLARILREHLQLLGVTALFVASKYEEQYPPE
VKDCVYITDRAYTPQQVLDMEFEIVMVLDFKMTVPTSYPFLQRFHLITNSPDIVRDLASF
YTERMLQEYCMLNFRPSLLASAAVCLAWNNPGVRENIEITGIPDGELPRVLEIIINYTG
FCEREIRHTANVICNKIQEDDDVVQNNPCIKPLNQVISKYHDERYSEAACFPMPDVSHLDS
Y

>comp12032_c0_seq3; 535 144 1690 LEN=2246; translated
MAAEVVRQHQNLSNGEEIGE AQRPKRNALPKKRLPVAQTNNCS DGAVSNTSII DRKLEA
EKVNHNANKSGKKIKKRRNQEIFSIESMLLEPKPRNIDQRPRKKVLTMSKSKKRSVMTD
IEVKQEVQTVQGEDSPVLVSLLPDSVSLTSTNIRCPDLLVTSEDDHCLPRKIEGPFDP
KFTTGIASFDPKNERKVDEVPFYVTDIFQRLFDAEEITKPSASYMTDIQSRINSKMRAML
VDWLVAVHKKFRLQPETLYLCVNIIDRYLSLARILREHLQLLGVTALFVASKYEEQYPPE
VKDCVYITDRAYTPQQVLDMEFEIVMVLDFKMTVPTSYPFLQRFHLITNSPDIVRDLASF
YTERMLQEYCMLNFRPSLLASAAVCLAWNNPGVRENIEITGIPDGGTPESGTYEILVSEI
ELFVRSFFSACLNLTFQISFLVMKLEIIINYTGFCEREIRHTANVICNKIQEDDDVVQNN
PCIKPLNQVISKYHDERYSEAACFPMPDVSHLDSY

>comp12032_c0_seq4; 642 203 1882 LEN=2438; translated
MKSKRSTIPLLEVPKDREDQRMEDGLITNKPRKSRRALGDVSNKSSRVEESQTNGNKEA
VPIDNGKQPLRRSRRLSKMAAEVVRQHQNLSNGEEIGE AQRPKRNALPKKRLPVAQTNN
CSDGAVSNTSII DRKLEAEKVNHNANKSGKKIKKRRNQEIFSIESMLLEPKPRNIDQRPR
KKVLTMSKSKKRSVMTDIEVKQEVQTVQGEDSPVLVSLLPDSVSLTSTNIRCPDLLVT
SEDDHCLPRKIEGPFDPKFTTGIASFDPKNERKVDEVPFYVTDIFQRLFDAEEITKPSA
SYMPTDIQSRINSKMRAMLVDWLVAVHKKFRLQPETLYLCVNIIDRYLSLARILREHLQLL
GVTALFVASKYEEQYPPEVKDCVYITDRAYTPQQVLDMEFEIVMVLDFKMTVPTSYPFLQ
RFLHITNSPDIVRDLASFYTERMLQEYCMLNFRPSLLASAAVCLAWNNPGVRENIEITGI
PDGELPRVLEIIINYTGFCEREIRHTANVICNKIQEDDDVVQNNPCIKPLNQVISKYHDE
RYSEAACFPMPDVSHLDSY

>comp12032_c0_seq5; 644 203 1983 LEN=2539; translated
MKSKRSTIPLLEVPKDREDQRMEDGLITNKPRKSRRALGDVSNKSSRVEESQTNGNKEA
VPIDNGKQPLRRSRRLSKMAAEVVRQHQNLSNGEEIGE AQRPKRNALPKKRLPVAQTNN
CSDGAVSNTSII DRKLEAEKVNHNANKSGKKIKKRRNQEIFSIESMLLEPKPRNIDQRPR
KKVLTMSKSKKRSVMTDIEVKQEVQTVQGEDSPVLVSLLPDSVSLTSTNIRCPDLLVT
SEDDHCLPRKIEGPFDPKFTTGIASFDPKNERKVDEVPFYVTDIFQRLFDAEEITKPSA
SYMPTDIQSRINSKMRAMLVDWLVAVHKKFRLQPETLYLCVNIIDRYLSLARILREHLQLL
GVTALFVASKYEEQYPPEVKDCVYITDRAYTPQQVLDMEFEIVMVLDFKMTVPTSYPFLQ
RFLHITNSPDIVRDLASFYTERMLQEYCMLNFRPSLLASAAVCLAWNNPGVRENIEITGI
PDGTPESGTYEILVSEIELFVRSFFSACLNLTFQISFLVMKLEIIINYTGFCEREIRHT
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>comp12033_c0_seq1; 222 64 714 LEN=1049; translated

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>comp12034_c0_seq1; 253 1100 2272 LEN=2474; translated
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>comp12034_c0_seq2; 253 1242 2414 LEN=2616; translated
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>comp12034_c0_seq3; 253 1209 2381 LEN=2583; translated
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>comp12034_c0_seq4; 253 1067 2239 LEN=2441; translated
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>comp12035_c0_seq1; 466 98 1582 LEN=2448; translated
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>comp12036_c0_seq2; 439 157 843 LEN=1054; translated
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>comp12037_c0_seq1; 698 94 2680 LEN=2927; translated
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>comp12038_c0_seq1; 435 332 1405 LEN=1654; translated
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>comp12039_c0_seq1; 176 30 281 LEN=1601; translated
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>comp12039_c0_seq2; 275 30 599 LEN=1325; translated
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>comp12040_c0_seq1; 286 552 1202 LEN=2154; translated
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>comp12040_c0_seq2; 222 257 685 LEN=1130; translated
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>comp12040_c0_seq3; 86 1800 1988 LEN=1988; minus strand; translated
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KTA
>comp12040_c0_seq4; 541 698 2452 LEN=2898; translated
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>comp12040_c0_seq5; 86 1689 1877 LEN=1877; minus strand; translated
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>comp12042_c0_seq1; 280 1 873 LEN=1432; translated
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>comp12043_c0_seq1; 866 1 3881 LEN=4280; translated
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>comp12043_c0_seq2; 867 1 3917 LEN=4176; translated

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>comp12044_c0_seq1; 960 469 3868 LEN=4342; translated

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>comp12044_c0_seq2; 856 469 3957 LEN=4431; translated
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>comp12044_c0_seq3; 786 469 4070 LEN=4544; translated
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>comp12044_c0_seq4; 925 469 3720 LEN=4194; translated
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>comp12044_c0_seq5; 821 469 4218 LEN=4692; translated
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>comp12054_c0_seq1; 378 231 1175 LEN=1628; translated
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SIDMWAAVQRGKGAYHADHVHEGALVSGVYYASVPPGSAPLVLRRPGADDIHGTNGEDFR
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>comp12055_c0_seq1; 238 1 273 LEN=273; translated
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>comp12056_c0_seq1; 693 1 2782 LEN=3167; translated
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DLEVQQQCVEAENNESNINESDNTNNFDEPNRSIRGTQRLLAIAAPQVIYLYVGCITLLI
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REIRVDTFLSILKQDIGFFDCQTSGELASRLNSDCGEMAGDLTWFFRFSIESVVRVTGIT
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QGILTSEILLAFMLYQGLQONEMNLFNSYSSLVKSTGAGDKIFELDRKPPPPGIGSQQ
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>comp12056_c0_seq2; 552 1 2429 LEN=3280; translated
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>comp12056_c0_seq3; 276 1 1315 LEN=1315; translated
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DLEVQQQCVEAENNESNINESDNTNNFDEPNRSIRGTQRLLAIAAPQVIYLYVGCITLLI
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>comp12056_c0_seq4; 642 1 2581 LEN=2966; translated
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>comp12056_c0_seq5; 379 1 1765 LEN=1765; translated
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DLEVQQQCVEAENNESNINESDNTNNFDEPNSRIRGTQRLLAIAAPQVIYLYVGCITLLI
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>comp12057_c0_seq2; 524 149 1540 LEN=1743; translated
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RLDKLSTTVLKNALKFTGTVMIVPEAKEIAEQPGQHQPGLVAVYDQDNIACLDPLDGG
NADASICTGTVFVFEKAKSVDENIETDEDALLEAVLQPGRMRAAGYCLYSSATVLVFT
LGSSVYGF TLDPQIQEFVLTHDKLTI PRRGVNYSCNEANSEGWPD SWKEYLKNLKLGE
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>comp12058_c0_seq2; 444 124 1701 LEN=2179; translated
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IAVLPKWEVTEELYGSKPVVGLLENCKKFRTOQFDPVDASIGTAGMFNTGTNPLAMYISNN
CKLPRNKNDKAGGTRWQVPWGKHAPASRKWTNTAGHDHKVNKTNVMPIVVVRDPYSWMQS
MCKHNYEARWPHSIFCPNLAKPELLPNGKPDIVPIKVYNPPANYTSLAHYWAQWYKEYL
EADYPRLIVRFEDIQFHAKELVETVCQCAGAVPREDDALFRYVVD SAKWGA AHKSHTNMV
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>comp12060_c0_seq1; 305 179 1087 LEN=1212; translated
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FIQESAEISRGRFAAVVETNLQGTFLMMREAFNQYMRDHGGSVVNITIGNRNGMPGMMHS
AAARAGIENMTASLCTEWIESNVRINCVRPGIIFTESGFENYGPAGEYFIGKIMKSLPSR
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KL

>comp12061_c0_seq1; 1680 1 4826 LEN=5085; translated
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DDETNPSNADSSSNDNANA IMDADDE INVNNLSLFGDDYEEHYDNEIRGNNTQEGVEKI
VCDSVIPIQADMILFNGAKQAMRKQASAKFGNLLGRGGEGCVNTTTPATATLACGKTRV
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LSIPNAQNEKTTSPKSLGSNNESGIDDSLVTISPGVGERRQPLSGNLMLSPTPASGVTGD
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SRKDKIVTELQRRVQSSERAHQQSMEALSNAQELKHSQEDCERILISKRHVERSMQSQH
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MKIRIHTEQEKASSCSQLEATQKTNQQLKGERNNFKKKNESLSKEVARLCRGGRSMDI
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>comp12062_c0_seq1; 536 228 2000 LEN=2465; translated
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KALVGTNTNEGGIVQDEQDKNLLWSEFLTMMQTKANQPDLLTQGLKDAVQKEHTNQLASA
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>comp12063_c0_seq1; 88 1 840 LEN=840; translated
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ALLTAVAAGIGTGIGTRIVALQCNAWRGVSQRIRAGLIGQSRNAGALYCGGGQSKQGTQL
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>comp12063_c0_seq2; 122 1 690 LEN=855; translated
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ALLTAVAAGIGTGIGTRIVALQCVAWRGVSQRTIAQRIRAGLVGQSRNAGALYCGGGQSK
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>comp12064_c0_seq1; 283 422 1722 LEN=1750; translated
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VFSSNVCKSASARYXKLSNQGDFS I HEADTRHDRGVILNINDNRTYGRSDFLAAALLCAG
AAGYSFGEHSLNDDKKDSYFGI LLLTGSVLCDAFTPNIQQLMHPATESPGQKRKNSLQS
LPSSSSLSLSTPLSDPIIISDSSTGRENETVVAPRFFSRGPGILKRRGLGLSVSTLMTNA
YAVGCIGLLLFMGVTHRLEDAIVEAMVRPHLFGNLTIGVSLSVAVFARTRLIKESGAVT
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NAVAGSAIPTRIK
>comp12065_c0_seq2; 377 1 828 LEN=930; translated
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TRALLPAGTSSLPLISALTVVAATSFPAFFSALSETGTALGVIFVQMFFACSGAAGSIKM
VFEKAPALFAFSALQIGVHFATLVAVGRGIFRLPSRELYLASNANVGGPTTAAAMAQAKE
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>comp12065_c0_seq3; 475 1 1329 LEN=1431; translated
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VPLAVPLLLYDSDLRRVVRTGTLLAAFCVGFSTVLATLVAFPVPLRSLGPDAGWRVA
CALAARHIGGAINFVAVAETLGIGGDAVAAAIAADNVVVALYFAFLFSIAKAGEEGETAD
PADSGGEGAAISELAVEDETAPSTITLPSLAISLSVASSLVTAGSFLTRALLPAGTSSLP
LISALTVVAATSFPAFFSALSETGTALGVIFVQMFFACSGAAGSIKMVFEKAPALFAFSA
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>comp12065_c0_seq4; 413 1 1275 LEN=1275; translated
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VPLAVPLLLYDSLRRVVRDTGTLAAFCVGFSTVLATLVAFVPLRSLGPDAGWRVA
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PADSGGEGAAISELAVEDEETAPSTITLPSLAIISLVASSLVTAGSFLTRALLPAGTSSLP
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FLAAW

>comp12067_c0_seq2; 719 232 3482 LEN=3600; translated
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>comp12067_c0_seq3; 543 232 2943 LEN=3142; translated
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>comp12067_c0_seq4; 610 232 2806 LEN=3005; translated
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>comp12067_c0_seq5; 768 232 3330 LEN=3603; translated
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YDVLIIEKIFTKSAFSTPMLLFTTASYDESPFMNVLTDILKDRTMLDSRANPAVPLVFAVT
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VQPVDETPVPTMDNGSRHPGSRFLLQKYALRASTAAPT VFKPVLMMGGEMYCDGGIVASNP
SAIAIHEARTVFPVPIELVVSIGTGGFKEQKSEPKIGWDGIIGQIINSATDGEQIHHILED
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>comp12067_c0_seq7; 786 232 3345 LEN=3463; translated
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TQETNAKNENAVTEDKLPPLSRPEHYDRRIGRDMRHLSVSIASCIDSVEEWQLFCQQT
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YDVLIIEKIFTKSAFSTPMLLFTTASYDESPFMNVLTDILKDRTMLDSRANPAVPLVFAVT
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>comp12067_c0_seq8; 701 232 3467 LEN=3740; translated
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S
TPMLLFTTASYDESPFMNVLTDILKDRTMLDSRANPAVPLVFAVTSKMSSNPETHVALFRN
YNYSGGELPDPFMINPDEARENLDLPLGNEAKIIRMSNYRKKEEHVQPVDETPVPTMDNGSR
HPGSRFLLQKYALRASTAAPT VFKPVLMMGGEMYCDGGIVASNP
SAIAIHEARTVFPVPIELVVSIGTGGFKEQKSEPKIGWDGIIGQIINSATDGEQIHHILED
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>comp12068_c0_seq2; 179 1 708 LEN=843; translated
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LVRKLEVTAPAQAALKDSRFVAEEMDQTLRETLTVLKDLRKRLAQCGQDLETEFHCIRQI
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>comp12069_c0_seq2; 267 114 755 LEN=997; translated
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>comp12070_c0_seq1; 355 308 1592 LEN=1814; translated
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LMGRFFGAAGAWSPFRDSANRSTLCLERSCPRSARILIXLPSPLVSLTTHLLNDLNAVRO
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ANFSIFKH
>comp12070_c0_seq2; 264 308 1579 LEN=1801; translated
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WNHRVPFGSPGALLHCQKAGCVAHDRRLSQTALPTISSCRCTLI FRKQYCVVSQASATA
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IFKH
>comp12070_c0_seq3; 179 308 1180 LEN=1402; translated
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NEYKKRITNDGEKPMTPMLGLFGGMSAGCFSTIGNNPFVVKTRMQGTQATRYKNTMDCF
VQVLRNEGIGAFYAGVIPRLGRVVPQGIIIFMSFESIQTSLVANFSIFKH
>comp12070_c0_seq4; 375 308 1377 LEN=1599; translated
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ALLVVAPVETVKTRVIELNMPFLGGLKHIVRSEIGGVYKGASATAMKQGSNQGLRFMWF
NEYKKRITNDGEKPMTPMLGLFGGMSAGCFSTIGNNPFVVKVSPEIILMGRFFGAAGAW
SPFRDSANRSTLCLERSCPRSARILIXLPSPLVSLTTHLLNDLNAVROTRMQGTQATRYK
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>comp12070_c0_seq5; 325 308 1395 LEN=1617; translated
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QGSNQGLRFMWFNEYKKRITNDGEKPMTPMLGLFGGMSAGCFSTIGNNPFVVKTRMQGT
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KH
>comp12070_c0_seq6; 284 308 1364 LEN=1586; translated
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RNEPRAAAASTAASRRPSWGASRRPGSGSAXNSLIKEKLRGEDGKLTPAKNFVAGLGAGV
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WFNEYKKRITNDGEKPMTPMLGLFGGMSAGCFSTIGNNPFVVKTRMQGTQATRYKNTMD
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>comp12070_c0_seq7; 314 308 1561 LEN=1783; translated
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SEALLVVAPVETVKTRVIELNMPFLGGLKHIVRSEGIGGVYKGASATAMKQGSNQGLRFM
WFNEYKKRITNDGEKPMTPMLGFLGGMSAGCFSTIGNNPFVVKVSPEIILMGRFFGAAG
AWSPPFRDSANRSTLCLERSCPRSARILIXLPSPLVSLTTHLLNDLNAVROTRMQGTQATR
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>comp12070_c0_seq8; 294 308 1776 LEN=1998; translated
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RNEPRAAAASTAASRRPSWGASRRPGSGSAXNSLIKEKLRGEDGKLTPAKNFVAGLGAGV
SEALLVVAPVETVKTRVIELNMPFLGGLKHIVRSEGIGGVYKGVRFTEENTXLARALRPFR
WNHRVPFGSPGALLHCQKAGCVAHDRRLSQTALPTISSCRCTLIIFRKQYCVVSQASATA
MKQGSNQGLRFMWFNEYKKRITNDGEKPMTPMLGFLGGMSAGCFSTIGNNPFVVKVSPE
IILMGRFFGAAGAWSPPFRDSANRSTLCLERSCPRSARILIXLPSPLVSLTTHLLNDLNAV
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LVANFSIFKH
>comp12072_c0_seq1; 380 1 957 LEN=1088; translated
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TTKEPTESPTTGEPASPTACTGNEMKVSKEYCYTQAEIITVSLTNCQADRDDWVGLYRLD
ETFNSMDLTNPDIWSWACGTRNCREPVTSQVIPLGTIHAGNGQWPLQVGTYYVAIIARNSA
QPPIAFVSDAFVVSETC
>comp12072_c0_seq2; 390 1 852 LEN=983; translated
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PTSMIVRFTPQPSATEPPTASPTLSPPTTKEPTESPTTGEPASPTACTGNEMKVSKEYCYT
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>comp12072_c0_seq3; 466 1 958 LEN=1089; translated
XLVGGLPMDFGNIPDLEILDLDLADNQLTGKIPYSIVDVETLLEIYLDNFNNLSGDIPWEIGN
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KQGCECCTECSATEAPTLSPPTLPPTGVPTVSPTVHPTSMIVRFTPQPSATEPPTASPTLS
PTTKEPTESPTTGEPASPTACTGNEMKVSKEYCYTQAEIITVSLTNCQADRDDWVGLYRL
DETFSMDLTNPDIWSWACGTRNCREPVTSQVIPLGTIHAGNGQWPLQVGTYYVAIIARNS
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>comp12073_c0_seq1; 396 1 1058 LEN=1451; translated
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QQQQQSPPEPNRSGNAGESDDYVLYRPELDPYSEPSQNETGTNHHATRENDNPPTEEEPI
TTECRGSSPTELRGRYYGDRRLRIHAGDGYKLLPKIPDGSLSAILITFPDPFPKESVDY
RLVQQQTLVECHRLLNRNDSGGSSHGRFLATDHDGYHEWCHKTMAEANNNNNGDGGADD
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>comp12074_c0_seq1; 355 1 1394 LEN=1394; translated
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RDRIEVDKTIALVTTDRQSGFDRQLALVPYKGA VLNLTSAFWFEQTKDI IKNHIVAI PH
PYVTIARKCQFPPIEFVVR SYMTGSDTDSIWKNY SNGVRNYCGHEL PDGMVKNQKLAKNL
LTPPTKEEEHDRPISAEI IAEKWMTQEDWDVCAEAALKV FALGQKIADEHGLILVDTKY
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KEKVLPEPPRELVLLELSRRYITL FEMITWDHFD FPTDGE EGIASA
>comp12075_c0_seq1; 239 177 833 LEN=1210; translated
MSHLFSIIVLLLRRLRVAKNAQGISVKTHELYLLVVFVTRYLDLFTTFYSAYNSIMKVYVIA
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>comp12075_c0_seq2; 215 445 942 LEN=1319; translated
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NMELLWTFSIYLECITIMPQLVVLQRYREVENLTGNYVFFMGAYRALYILNWIYRAKNE
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>comp12076_c0_seq1; 803 132 2000 LEN=2127; translated

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LHAAGWFPSGTWVAVPRGTEPGGLSGSSTDAYADAQYNTPVAGTTGPILGGRVEFLDPNL
RSGGGGTRGAPLPSRVVETVANRFAVEERGEAPGVAAPRKIPRQDRLQKERERGAKLERR
IAVLEEQSKAGKQNKKKKTSQVLRMLVKSRATGDKNLKQQDRLYCQCLVIIVDGENAGND
NDNDVDNENPTGTSAEAENSGSSKEYRYFSPQDTFAKIANFQNPSEKKNLFGEVLCRRPA
ANAKDPQTQSLIHRRFPVTMRVYEAIREGYLSLSKSNANYLDDMLIVRWYKDREDATLIDL
QHDNETIASSEDENDVVATTKSESVATEPVTVPMDVEEETTSSPDGADADATTTLEDALLT
DAIQKMEVLNNKGGKKTASTKKASAAALKVRQMKMKSKSKGNKKNLIDERFFFLEVVSI
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>comp12076_c0_seq2; 803 129 1997 LEN=2124; translated
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RSGGGGTRGAPLPSRVVETVANRFAVEERGEAPGVAAPRKIPRQDRLQKERERGAKLERR
IAVLEEQSKAGKQNKKKKTSQVLRMLVKSRATGDKNLKQQDRLYCQCLVIIVDGENAGND
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ANAKDPQTQSLIHRRFPVTMRVYEAIREGYLSLSKSNANYLDDMLIVRWYKDREDATLIDL
QHDNETIASSEDENDVVATTKSESVATEPVTVPMDVEEETTSSPDGADADATTTLEDALLT
DAIQKMEVLNNKGGKKTASTKKASAAALKVRQMKMKSKSKGNKKNLIDERFFFLEVVSI
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EKGIVKSFDRLLILCPRPQTNQN

>comp12077_c0_seq1; 374 317 1519 LEN=1668; translated
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DNTRVSSKSIITVRTWELNERHYGELQGLSKTNPPELVTLYGEEQMRWRRELKARPP
EMDEVHPYQPPPAPLTESLYDCQKRVLRVWHGTIVPTMLLKEQTILISAHANTIRSLIAY
LD EVPDDEVPHIHIPNSVPCFTFKIDPTTGRALKQDFSSLSKSKGNWLLSAENQERLVEK
LGI DSESFARSVFGAWDLNGDGVLDKEEVGNGLFRWKKDSNPAINALAGKLLLEEFNIS
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>comp12077_c0_seq2; 297 317 1018 LEN=1772; translated
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DNTRVSSKSIITVRTWELNERHYGELQGLSKTNPPELVTLYGEEQMRWRRELKARPP
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>comp12078_c0_seq1; 451 250 1992 LEN=2165; translated
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AVLAACFHDCIYYHVDGGLTSVQAKLLKGSYKVEGLNLEVQDDLSDYITKHSIYKFFASE
ERSANTENSVLLLNMVESIFGYIPGQSI SITNDGLNEFLSALVAVRMLSDHLPLEILAQI
ACCIESTIPFRKIDEKTGKTHMQRLYDNMKETRDFNLKLSDEDLVVSVQRSCLLSNSDV
GNFSTDRHWFLDNTWSLLPETNESLRNEYVYVVEHFHTALYKMYKFFGFLOPEVVFHEF
QGVDPDLPMTQECSSNLEFGRTYVYVAKLVAMSLLSAVAVLTDGDAPISLFTGDLRAA
KRRGSGLVTKDPSMMQRAQMMQRTSGLPFSKVRVSDFLRQPLHCCEDPPEESLKQCNE
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>comp12078_c2_seq1; 437 1 1735 LEN=1784; translated
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RPA GTVSGAASNGDXVQGALLERCARGSAAGRRDSPRTAGFCSGTDNAQQQQRQQRHQQQ
VPLTETDGPENELQGPVDAVHRARDRGG SARHNAPLAVCRRLCSEPASQSVRAPPQPLP
DPRSPQISDGFHPRPVARYGSFVAFAAAFLAVVLPAGAGHHERDPVEWIEFYAPDEA
SGEARAPVFLHGLLGSKRNFATCATMLARQIDKRRRIGVDLRNHGDTQPWSENMSYPS
MAQDVVQFLQSQNIENAILVGHSMGGKVAQALALLHPEYVAGLVVLDIAPVTYTRDADPH
WRAVEDILRTVHGVIEDIAEATGEEP NKREIDRSLRKSIPDPALRAFVL TNYSRNNQWKV
PIGTMVKELEQIAGFDLTPDSEALVVNEPSSLSSTYEGDVFINGGQSRFVRHAYMDQI
ASYFPNHMLTTIRGSGHWVHAEAPDDLVALLKRYLDR

>comp12078_c2_seq2; 267 176 760 LEN=809; translated
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EPNKREIDRSLRKSIPDPALRAFLVLTNYDSRNNQWKVPIGTMVKELEQIAGFDLTPDSEA
LVVNEPSSLSSTYEGDVFI INGGQSRFVRHAYMDQIASYFPNHMLTTIRGSGHWVHAEA
PDDLVALLKRYLDR

>comp12078_c2_seq3; 406 1 2027 LEN=2076; translated
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TVSGAASNGDXVQGALLERCARGSAAGRRDSPRTAGFCSTDNAQQQQRQQRHQQQVPV
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DPRSPQISDGFDPVARYGSFVAFVAFLELAVVLPAGAGHHERDPVEWIEFYAPDEA
SGEARAPVFLHGLLGSKRNFATCATMLARQIDKKRRIIGVDLRNHGDTQPWSENSKFFVL
PVEKNESIDNGGRPDAAFPALQCEHADALFLSSNEFVSVSSRVLVLSHIXLCMAFSFALI
VSYPMAQDVVQFLQSQNIENAILLDITYVNFCHSSCDPGPRLRQSLFVLMPLFSRTLQQS
MGGKVAQALALLHPEYVAGLVVLDIAPVTYTRDADPHWRAVEDILRTVHGVI EDAEATGE
EPNKREIDRSLRKSIPDPALRAFLVLTNYDSRNNQWKVPIGTMVKELEQIAGFDLTPDSEA
LVVNEPSSLSSTYEGDVFI INGGQSRFVRHAYMDQIASYFPNHMLTTIRGSGHWVHAEA
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>comp12078_c2_seq4; 439 1 1930 LEN=1979; translated
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DADPHWRAVEDILRTVHGVI EDAEATGEEPNKREIDRSLRKSIPDPALRAFLVLTNYDSRN
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>comp12078_c2_seq5; 200 1 1183 LEN=1381; translated
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DPRSPQISDGFDPVARYGSFVAFVAFLELAVVLPAGAGHHERDPVEWIEFYAPDEA
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>comp12078_c2_seq6; 146 1 1186 LEN=1186; translated
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>comp12078_c2_seq7; 301 1 663 LEN=712; translated
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>comp12078_c2_seq8; 404 1 1832 LEN=1881; translated
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>comp12079_c0_seq1; 408 1 845 LEN=1678; translated
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>comp12079_c0_seq2; 441 1 875 LEN=1708; translated
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>comp12079_c0_seq3; 469 613 2565 LEN=4405; minus strand; translated
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>comp12080_c0_seq1; 240 1 1188 LEN=1235; translated
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KIKLSLQERGLKVICVGETLQEYENLLSSVNSQLKEALNGVTKDDIVASISAADSIR
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>comp12081_c0_seq1; 745 147 1694 LEN=1842; translated
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IVACNLTAMAAI LYFLEEPGGGEGE GDSVRHDEKAERTKSSSSAVLCSLLSVDVLVPM
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ANMLCGGLV LSTVAYVLYALWIKDSTAWN FYLPVLLGASSFPYLAATTTRITFLAVNAK
PALKDYHGSMAVLSMAASVAGFVTPGIVAAYCLRHPGDVAASIDGRELAPAALFAPVLS
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>comp12081_c0_seq2; 362 147 778 LEN=778; translated
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>comp12082_c0_seq1; 322 102 614 LEN=910; translated
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>comp12083_c0_seq1; 284 261 1088 LEN=1461; translated
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>comp12085_c0_seq1; 433 184 912 LEN=1065; translated
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>comp12086_c0_seq1; 439 516 2260 LEN=4382; minus strand; translated
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>comp12086_c0_seq2; 439 662 2406 LEN=4528; minus strand; translated
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>comp12086_c0_seq3; 439 780 2524 LEN=4646; minus strand; translated
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>comp12086_c0_seq4; 439 666 2410 LEN=4532; minus strand; translated
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>comp12086_c0_seq7; 439 926 2670 LEN=4792; minus strand; translated
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>comp12087_c0_seq1; 122 276 1539 LEN=1569; translated

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>comp12088_c0_seq1; 1616 1 5485 LEN=5945; translated
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>comp12089_c0_seq4; 1007 592 2625 LEN=3018; translated
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>comp12090_c0_seq1; 535 75 1232 LEN=1900; translated
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>comp12091_c0_seq1; 268 1784 2740 LEN=3054; translated
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>comp12091_c0_seq2; 437 1411 2403 LEN=2717; translated
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>comp12092_c0_seq1; 175 574 1011 LEN=1396; translated
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>comp12093_c0_seq1; 336 107 673 LEN=742; translated
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>comp12093_c0_seq2; 183 210 980 LEN=2964; translated
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>comp12093_c0_seq3; 590 107 2136 LEN=3395; translated
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>comp12095_c0_seq1; 436 132 1216 LEN=1547; translated
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>comp12095_c0_seq2; 739 468 4286 LEN=4890; translated
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>comp12095_c0_seq3; 300 338 1421 LEN=1433; translated
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>comp12095_c0_seq4; 739 468 4286 LEN=6602; translated
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>comp12095_c0_seq5; 381 167 838 LEN=1049; translated
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>comp12095_c0_seq6; 300 209 1292 LEN=1304; translated
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>comp12095_c0_seq8; 314 1 709 LEN=920; translated
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>comp12101_c0_seq1; 631 75 1616 LEN=1875; translated
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DNKTDVDSFSSNATKTNIAEDSTLVPVPVDVKSELFLLEDQGDGTGQDGI VLRPNQALEN

GEYFCSPSKRYMIVMMDDLAIVDVSSELVWSANVTGAAQMLLQEDGDLVIQDEAGEVIW
STGFPVPEPTGLYDLQMVFMEGDEAAIAVQQAPTSGLTSLASNFWMGDVPSFEYCEDCEKV
NLAFFVVRGTFYLPTYDGTTELAWRDENGRPAHFPMQGYSSSDPEVARSHVEGMEYGNID
LAISSWEGQGTNFRDRSRMTMLLEETKRQNGGLKWTVYHESEQTNRPSPEAIASDLDYLLK
WFAHDWANIDGKPVIFVNNEGGCDVAERWTTGAAADWYVVLRRFNGFETCEFQPDSDWH
ERRVNPFFANGVDVQQGLYYNLAPGEWEPGRRRRLDRLSAREWCNNVQNMVDSNEQWQLI
VSFNDARDGTAIEPSVEWRSSSPYGSFLDCLHDPQLF

>comp12107_c0_seq1; 212 177 561 LEN=624; translated
MWLDGNDIYGTIPTEIGLLSGLASFMANATITGTIPTQIGNLSQLRRLWLFNNQLTGTI
PGALNNLELLELVVELHGNDLKGSMPEGVCLSVEKSDYEFKSLTSDCVKEVNATKIVAQSA
SDSFVAR

>comp12107_c0_seq2; 693 80 1610 LEN=1673; translated
MTDAENMMNDLQLEDVEDYSADYPVSDGGYPNAGANMAPAGNIEQESTGKSPKYRRAAVI
ALIRNNKWSFAVLGVVVVILIAIIASTAGGKKPIAAAVPTMKIDDAHAGFPPVKQYIEDV
DKDVLIEFKTMLDNTFTRHNLDTSVLDTEGSPAQQAMIWCKDKKVNMSMEHTEKLQRYVL
AVFFYSTNMVPSMHVENPLAWKNADNWMNTNAHSCEWMGVECNEDKFIVAIYLEKNRLSGK
IPVEIAIIANNIESLDFTDNIMHMRESDFDAFLSLKLLHTLLMDDNYLYNNDGLPSQMG
MTSMEKMRLSYNVFEGELNKNVLDLSDMKGLTHLEIESNYFTGGIPNAILEMENLTYLYLR
RNNMEFNLNFKENRFTENIFAMWLDGNDIYGTIPTEIGLLSGLASFMANATITGTIPT
QIGNLSQLRRLWLFNNQLTGTIPGALNNLELLELVVELHGNDLKGSMPEGVCLSVEKSDY
FKSLTSDCVKEVNATKIVAQASDSFVAR

>comp12108_c0_seq1; 357 663 2403 LEN=3431; minus strand; translated
MGPLPTTSFLSKSKREEEKDQDEVDEFKNIKLRNQSCRQWLVSSESIKIAFLLSFGVLLQ
WKIMKQVDVTEDELSFQPFVSGHRALKTLNAPLGEKNDNPKYRNCPPFRDSPIVESIYVYPH
PGSPEWKGDILSNYTRIQTNSSEDFIVYPWIDNDRCKAAGVGPYDGTSQLVQYNTTELL
VRDIITHPDSCLRTNDPEKATLFFVYPIGILEKTERFRSHSCLQORTHARIMASKIETRKF
PFSTSQFQTHSPIVISNELSKTFIDMYPLCARKNILVYPNTNGRWFNGALDNEAVAMMT
EHSGIRKLSSEPGAIOSEIDLAKQSELKETSNGSNSTPPRLLGYYSGGNHGTCVDLRKS
MKDEFRCSPSGKMKVKKYKALNNYAHGYRQSTFCPCPGGDSPSAKRNFDSVFAGCIPVIL
SEDFVWPFTESEFDRSSNSGSESGIVALNPYDFSIRLNAKDHWHKFDSPKNCNPKINTGE
GHNETDHRSLQSVLEAVPSKELARLRQGLARAAEVYSYRKRPDLPDEPLREGLLPDGG
AHMLVRLAERASGALWNACRQEMKGDISKDSVKKFKC

>comp12108_c0_seq2; 357 1245 2985 LEN=4013; minus strand; translated
MGPLPTTSFLSKSKREEEKDQDEVDEFKNIKLRNQSCRQWLVSSESIKIAFLLSFGVLLQ
WKIMKQVDVTEDELSFQPFVSGHRALKTLNAPLGEKNDNPKYRNCPPFRDSPIVESIYVYPH
PGSPEWKGDILSNYTRIQTNSSEDFIVYPWIDNDRCKAAGVGPYDGTSQLVQYNTTELL
VRDIITHPDSCLRTNDPEKATLFFVYPIGILEKTERFRSHSCLQORTHARIMASKIETRKF
PFSTSQFQTHSPIVISNELSKTFIDMYPLCARKNILVYPNTNGRWFNGALDNEAVAMMT
EHSGIRKLSSEPGAIOSEIDLAKQSELKETSNGSNSTPPRLLGYYSGGNHGTCVDLRKS
MKDEFRCSPSGKMKVKKYKALNNYAHGYRQSTFCPCPGGDSPSAKRNFDSVFAGCIPVIL
SEDFVWPFTESEFDRSSNSGSESGIVALNPYDFSIRLNAKDHWHKFDSPKNCNPKINTGE
GHNETDHRSLQSVLEAVPSKELARLRQGLARAAEVYSYRKRPDLPDEPLREGLLPDGG
AHMLVRLAERASGALWNACRQEMKGDISKDSVKKFKC

>comp12109_c0_seq1; 238 192 1403 LEN=1826; translated
MTGTDILTPEFDS PARKSTIIVAGFNLTATIMGGGILSIPYAFSKTGILLGPFLMLIAAI
TTERS MYLLCLCSRLTGAKSYGEVGEAAFGKKMEYFISCI LCF LMF AII GY MV LAKDIW
TSILIVVEKLETVPNEEFVLSIIILIVPFLVQKSLHALRFNVCYGVFVSVSTLCVALVRN
AWAAA VWP DV I W W ST NT ED I L I A F P I I S L S F L G I F N V L P I Q N A L V K P S R L R I L L V D G A I
SAVLA FGVV F L A G Y L L A G L N T S G N I L K N C D T T H D L N L L L G Q L G C G T M V V L A I P M M L P C
R S C L L E V L D V L V N G P H I T P V E I E E S E K L P L I T A D A T F T R N N Y N S T N K A Q E E Q K S V R E D E K
V V D Q N R I G K V N I T E S I F I H Y A S T F F I F A T C Y M V A I R V P G V A V V W

>comp12110_c0_seq1; 325 99 890 LEN=1221; translated
MYSSIVRKS VGRSL LTRV VQH HQ QTR SVV SVK KALVKAGETEE PEDVPALAKRMEAMSE
KDGLMVFDSGTNLPDPVLPENKAEVAALDASYKTSVRMPDGRERMVVIKQLRARPNQNPL
NPEKYWKISFDDDGAVGERWKNSLMNWNSTADTYGCDPLYFKNAQDAVYFAEKRGWKYL
VQEPVVRKMRHDDAQYQDNFLPQAIAGKVKREGIQCDHWQRKAAGASNYFRPLKFGDGT
VRQHGANEETMPATESYKIR

>comp12111_c0_seq1; 664 387 2263 LEN=2562; translated
MIGGMGLPQNQAAMSRPKPEDAASHITVSDPVQHSEGVNKYTSYRVDVRPPNSDMATT
QVFSAVLRRYSDFLWLYERLQGERPGAIVPPLEKQPVGRFNPAFLEIRRRELERFLRA

AVHPELQGCACLDNFLKADDMTFQAAKNSKAGPGGVVLQQSGMMGGMGMGSMGHSVMMP
PPQMSSTPKKEGFKRWFAETKTSISGDLVRAERLGCDPRGVLLSPFSFGVRLAAVFAAWL
GWFTIHDTHLLVLLLLSCVVLSCVLVCCVASYPPFLFCIVVLVSHGLAGXVGQVRSPPDE
LFEEVQRYIHGLDTQMKNVSTQASGLVRKKGEMANGLFEFGLAFNLLGQSEADALGDALC
RLGETADQLSVLSAEHADLESSQFEDPLVDMIKMIHAVKLALHKRHEKRLTYSTCLQEVE
YKNSQLNKIRSQGLMGMEAKAYSAEMSLRRAQENAEIARDQFATVSQRVLREVDRLFRET
TEDMRLTVLEYIRMQVEYNKRMEQIWANLIPQLEKQVQLDPNANVIGDASAAGQGPQPPQ
PVVQGGQAPGPQILSPHHQQPVASSGNPNPQQAQMPPAAGPQGSTILGTFAPGSLPSQQQP
QVFGGQPQDPGMLSVQYREPPKNVF

>comp12111_c0_seq2; 652 387 2009 LEN=2308; translated
MIGGMGLPQNQAAMSRPKPEDAASHITVSDPVQHSEGVNKYTSYRVDVDRPPNSDMATT
QVFSAVLRRYSDFLWLYERLQGERPGAIVPPLPEKQPVGRFNPAFLEIRRRELERFLRRA
AVHPELQGCACLDNFLKADDMTFQAAKNSKAGPGGVVLQQSGMMGGMGMGSMGHSVMMP
PPQMSSTPKKEGFKRWFAETKTSISGDLVRSPPDELFEVQRYIHGLDTQMKNVSTQASG
LVRKKGEMANGLFEFGLAFNLLGQSEADALGDALCRLGETADQLSVLSAEHADLESSQFE
DPLVDMIKMIHAVKLALHKRHEKRLTYSTCLQEVEYKNSQLNKIRSQGLMGMEAKAYSAE
MSLRRAQENAEIARDQFATVSQRVLREVDRLFRETTEDEMRLTVLEYIRMQVEYNKRMEQI
WANLIPQLEKQVQLDPNANVIGDASAAGQGPQPPQPVVQGGQAPGPQILSPHHQQPVASSG
NPNPQQAQMPPAAGPQGSTILGTFAPGSLPSQQQPQVFGGQPQDPGMLSVQYREPPKNVF

>comp12111_c0_seq3; 657 387 2237 LEN=2536; translated
MIGGMGLPQNQAAMSRPKPEDAASHITVSDPVQHSEGVNKYTSYRVDVDRPPNSDMATT
QVFSAVLRRYSDFLWLYERLQGERPGAIVPPLPEKQPVGRFNPAFLEIRRRELERFLRRA
AVHPELQGCACLDNFLKADDMTFQAAKNSKAGPGGVVLQQSGMMGGMGMGSMGHSVMMP
PPQMSSTPKKEGFKRWFAETKTSISGDLVRAERLGCDPRGVLLSPFSFGVPRMVHDSRHS
PLGFFAVLCCLVLSVVLCCILSFPVVLHCGPCVAVACRCVGVQVRSPPDELFEVQRYI
HGLDTQMKNVSTQASGLVRKKGEMANGLFEFGLAFNLLGQSEADALGDALCRLGETADQL
SVLSAEHADLESSQFEDPLVDMIKMIHAVKLALHKRHEKRLTYSTCLQEVEYKNSQLNKI
RSQGLMGMEAKAYSAEMSLRRAQENAEIARDQFATVSQRVLREVDRLFRETTEDEMRLTVL
EYIRMQVEYNKRMEQIWANLIPQLEKQVQLDPNANVIGDASAAGQGPQPPQPVVQGGQAPG
PQILSPHHQQPVASSGNPNPQQAQMPPAAGPQGSTILGTFAPGSLPSQQQPQVFGGQPQD
PGMLSVQYREPPKNVF

>comp12112_c0_seq1; 449 64 1211 LEN=1229; translated
MGKVFFSKKQKAQMRERRRKKKLSQEKNSNDCTSPNDRVDQISLIVNNEGSHVENV
AKSTNKKRQRVDDGDVVTEIATSVDSDGKKRPIELTTRKIARTLYVLLPSDMSAKAAK
KFRKDARREIRQSKQINYNEDDYDDIDFVTQEDMPSIVQPSKKKKKQNFPSIKDLLKQK
HQLLEEIQKEESKLQEKLNAIPEVVREKYVALDCEMVGIGTDGKKSALARVSIVDWNLEVI
LDTYVQVPVRVDFRTHVSGVEAKHIKSNAMPVKECRDKVAKILKGKILVGHALTNDF
KALMTSHPKDRFXDTAKYRPFQRYGNAKWRARKLRDLVKENLKGKFNQEGEHDSVQDAK
ATMELFQVVFSSQWEKELESKKR

>comp12113_c0_seq1; 453 126 1523 LEN=1691; translated
MSPSENPVDEDEDIELDMAGELLYLSNSIEQDTTASDDTKECRTRAPSLSVVQSYGNPLPE
EEANKAVPVGSDGLIRHAIIVVPDKFCVDGKLI SGLNERDFDVERGVIKPRRPTLPITRKD
LMSSLTKVNSDGGVRYIFNGVLNGWPSLQHFELIGLEKKRSLPGRVQPPTYLMEYTGKAW
VPHWRAEKEGKEGIPPEFTEPGKIYRATLRGASWTSLGWSAESPGFIFWYEAHNRQGPV
LYGSDTISKVEDDICKMVHMI SHRYAVNRESPKDKLTYHSLVFLWENSPYCTIMEGAFL
NGVSGYKGCNWDKDEEVTALYEILPEMISPWLTRAAELRCYDVKAKNLDELKEYIE
KYNTRFLDPQYTFSHPARLSYRSRNSIAHYLVNYISRNSSYSEIARNQCQTFADLCSFL
AGKKDIVPYHPINRIEYHNRSFLFLYDSSMYKAKKSESLMGKVAW

>comp12113_c0_seq2; 325 126 1112 LEN=1912; translated
MSPSENPVDEDEDIELDMAGELLYLSNSIEQDTTASDDTKECRTRAPSLSVVQSYGNPLPE
EEANKAVPVGSDGLIRHAIIVVPDKFCVDGKLI SGLNERDFDVERGVIKPRRPTLPITRKD
LMSSLTKVNSDGGVRYIFNGVLNGWPSLQHFELIGLEKKRSLPGRVQPPTYLMEYTGKAW
VPHWRAEKEGKEGIPPEFTEPGKIYRATLRGASWTSLGWSAESPGFIFWYEAHNRQGPV
LYGSDTISKVEDDICKMVHMI SHRYAVNRESPKDKLTYHSLVFLWENSPYCTIMEGAFL
NGVSGYKGNKRRFSRFFVLLVDYHSR

>comp12114_c0_seq1; 262 380 796 LEN=796; translated
MRFAIAVSALVALGSARNEENSGRSLKTSHPQRDSINHGLSDIKSLGKESNTRLLSQN
QSTDHGSARTRLEKDLFFPDLGIINQHGTSSSHISVETRYRVNDCKQKEHLGDSSMQNEN
ESFDDTIVDPIVDPIVDPI

>comp12115_c0_seq2; 191 145 831 LEN=969; translated

MSSRGFSGKGNKTAEDAGIPNETAQYMKSLQDPEVIERVRCVIKDAHVFKLPPRAQAGGWR
GADWRDEVWQGTVKVVERGEMTLVLLVDRKSGDIFAVCPKEGAVDRCDVSSRYFVLRIE
NENGRHMFVGMFNERNDADFNTSLEDSRREHEAAKEPLKQFSALPSKDYRIKEGEKIR
VNIKSMRGDSSKNLRSKNGILKPKSSKSKPKGGGFLKPKSSKDTPRRS
>comp12116_c0_seq1; 162 1 988 LEN=1142; translated
PVPPSSGVQFYSSSRSKRMIHHHRLLSNTRHRYRVGLSGEGVRSTLGYGGYGALDIVHR
CLSTTIATTDANVTDLYPYDIQQARRTQARGRHFLRAKSIIRQPTLRSLSSSPLHQQLQF
RYFAFDSRKARKPKKRKDPFRVLKIPKESLYKDVKTKFLKIAMSHPDTHGDDLSDDEEKD
AMRDKFIEARMAFEMLAEDEDDGTAILVEEKEDRESNFDWFRNETGLKNPFDVDIDPET
MKEVAEMTEKLGGSQGMDRDGGMWALARMVTSAVKSGGDAQSILRLESGDVKGPGQIPSG
SQDDPGNGSRSDENYLLLYEPGLGAMN
>comp12116_c0_seq2; 214 1 819 LEN=1298; translated
PVPPSSGVQFYSSSRSKRMIHHHRLLSNTRHRYRVGLSGEGVRSTLGYGGYGALDIVHR
CLSTTIATTDANVTDLYPYDIQQARRTQARGRHFLRAKSIIRQPTLRSLSSSPLHQQLQF
RYFAFDSRKARKPKKRKDPFRVLKIPKESLYKDVKTKFLKIAMSHPDTHGDDLSDDEEKD
AMRDKFIEARMAFEMLAEDEDDGTAILVEEKEDRESNFDWFRNETGLKNPFDVDIDPET
MKEVAEMTEKLGGSQGMDRDGGSKSFVFSGDN
>comp12116_c0_seq3; 162 1 988 LEN=1169; translated
PVPPSSGVQFYSSSRSKRMIHHHRLLSNTRHRYRVGLSGEGVRSTLGYGGYGALDIVHR
CLSTTIATTDANVTDLYPYDIQQARRTQARGRHFLRAKSIIRQPTLRSLSSSPLHQQLQF
RYFAFDSRKARKPKKRKDPFRVLKIPKESLYKDVKTKFLKIAMSHPDTHGDDLSDDEEKD
AMRDKFIEARMAFEMLAEDEDDGTAILVEEKEDRESNFDWFRNETGLKNPFDVDIDPET
MKEVAEMTEKLGGSQGMDRDGGMWALARMVTSAVKSGGDAQSILRLESGDVKGPGQIPSG
SQDDPGNGSRSDENYLLLYEPGLGAMN
>comp12116_c0_seq4; 214 1 819 LEN=1325; translated
PVPPSSGVQFYSSSRSKRMIHHHRLLSNTRHRYRVGLSGEGVRSTLGYGGYGALDIVHR
CLSTTIATTDANVTDLYPYDIQQARRTQARGRHFLRAKSIIRQPTLRSLSSSPLHQQLQF
RYFAFDSRKARKPKKRKDPFRVLKIPKESLYKDVKTKFLKIAMSHPDTHGDDLSDDEEKD
AMRDKFIEARMAFEMLAEDEDDGTAILVEEKEDRESNFDWFRNETGLKNPFDVDIDPET
MKEVAEMTEKLGGSQGMDRDGGSKSFVFSGDN
>comp12117_c0_seq2; 880 182 2656 LEN=2922; translated
MPDAFPRSLRAASKRGRHGEQRSRDSSQTSSLVTAPSRSNGMISPPLETPRVLTRSAITG
LTHGLDASDVLECYSLVRSAPLHGVSANSTITVQKMTIGIRFRPTAADLKNPYNTKTPMEL
TLEYGPARGPLLSDEAMPTVQGNKSSSYLVWDNIGKVYFTQKIDAGNYINSNYMASMT
GAVLNKLLHEAVGYTEKRKIYQPFVSDKGRMLRSSSSMDFAWYVWVSHLARLGVEIEP
ILSPSMYEARLYAKSANKVFPDPASTRAAASFYEHLYGICLESIASRSVWSSGKSSQLPGD
NVEENGVKARDKPKSSSSGANNSDGARRGNRRLEDRNDGPDWETREDGNGDYDDDDGDTI
DHDDDDVDVTALDTDEEGYDDNGDDNGEIEENEKDLQDDVRISSSYDEARESGETTSTQVEP
KRLPSNELPNRNDPTPGPSETTYPTALPTEGIHDVEKAQNAAMDAQKADEAMIAAQTEG
ETKAADAAQAADAALVAADATSSAAAQAAMNLLSGDGALMSSIVSTCFNSPTYGISST
DSNGTATTEFYLFDRDPSTYYKLELVSPYLEIAKLDRTIPNAATLLSGMSAGGDALDWTALA
LSILFIMFLMVLLICQQMGKHYIEAIFRCQRWFFNPRKYDYEGSTISGVQSGSHFFFGKR
GIPISMGRRSPYAEDIVATDGEPIYRDNAGDEMDNDKRLTMSPEMPRKLHRNPSMELEMT
GFSSPQHEHHPLTPRNISSKQSWRLDHSNSDHSSTGSSEEGFEKIPTRLLRNPDVEMPS
LKSKSKVAIPVSSSSNGKNNQHASNANATAYRASPSFEEGIASI
>comp12118_c0_seq1; 224 1 1024 LEN=1245; minus strand; translated
XGARLEKTIAPSHAFLEYMDLPHGLPLLMRKDDNDERNETHRGGKRTTTLWQDFLISCR
TKQFCALCNQWQREKEHKLGNSDIPRAQITAKQIEAFHFIFGRGLMAACRGELVQASNPW
PLEHVNITSKEVLELLIKHGANPLEKDIRGTTLLHWAAGSGNAEAFETLLPYFPDRLLEK
TERDGATPLHWACAGATSGEFGTGGHFHLCQHILSECRLKDSLKDEIVTSAKELVNQ
QTKDGN SPLMWAASGSLDVTVKLMVRYRAKWDL SNRNGCTVAHWAASGGNLEVCRYLFEV
VGVDFFVPNYGGNTPLTHAVAFSRIDVVEWLQGTFFVQSGD
>comp12118_c0_seq2; 228 1 1078 LEN=2037; minus strand; translated
XGARLEKTIAPSHAFLEYMDLPHGLPLLMRKDDNDERNETHRGGKRTTTLWQDFLISCR
TKQFCALCNQWQREKEHKLGNSDIPRAQITAKQIEAFHFIFGRGLMAACRGELVQASNPW
PLEHVNITSKEVLELLIKHGANPLEKDIRGTTLLHWAAGSGNAEAFETLLPYFPDRLLEK
TERDGATPLHWACAGATSGEFGTGGHFHLCQHILSECRLKDSLKDEIVTSAKELVNQ
QTKDGN SPLMWAASGSLDVTVKLMVRYRAKWDL SNRNGCTVAHWAASGGNLEVCRYLFEV
VGVDFFVPNYGGNTPLTHAVAFSRIDVVEWLQEIAPTEDDGDILMAKQLVSLFSGYCILW
>comp12119_c0_seq1; 886 1 2522 LEN=2595; translated

XTIQTARIQLQTGINNETS IMAQWHHYRMIGVRFLVLFSLMNPTSNAFYSTRQHQTVPRTVSVLLTEDSQIGIEVQGDHPPVRRFQGRMTKSLADNAKSEEQSSTNMRVDGQDISVVVNDGINLSVGGIKPSARLKRPTTFMDFLELIGPSVGATRSESIGNAAI AVPADVSTTLKEERAIEDRKRIYDATKANAKAQEKENAKDFKTASNNIDEKKVSGAKAKEASKNKVGEKKQFEAPSLLEKKAKQEKEHQAAEKSQTAMKVMETAVKTVKQEKRSVVEAETAEEKKAEEAKKRLDVKAKI SVEKTEKNENSQQLDSKAQSSAAKKAELRAKTLEKADQLRAAAMKKAEEELK PVEVPKAMVNASKNALETKKKLLQIKARADGVTQKKEAQEQEKQQKARVNVVPEKETEKKGKHPEAKSEAAAKEAGKHNEQLAKKVAKENMKSLSESKAKEESDKLEVLQMLIQKRKKQQL ELDKIETELLHKTNEIKKKKKELLLQIEAENKMEIPAADTQRKA EYTPKEYRSLSLQQKE RLKAERANARVIHDEKQDSGRSNPDDAKVTNDNEPHPILGP IVIDLGYKRVHSVSSGQLGTIP IWKQRIYRSDRARRMADEKADQMNLGFPGIICLYEDAAGKLFVIDGQHRVGMQAL REERNKTKKQKVNQSEAWKDQEFYFRNVLVEVYSELSKSDATNSSSFAEQVYTEINKAEP LMLVDMPGVASKSERKII SDAVKILHHQYNVMFSPSQRCRSPNVNIDNIRNNIFGSNILK RHKELTTGKKLANWLMIQNAALGERYERDTNTQEFVSPKAWKKASKYGFYLGLENSWLYK

>comp12120_c0_seq1; 297 375 1263 LEN=1263; minus strand; translated
MHSNPVVPFFLEKINACLLLLLLLLCGSLQNSRRFVLFRRFRTCPARVASLLRQVGEFRQQL
VGPLGVEPDRPGPVLEGDPDVPGVVVQEEGRPSGDGLGRAATRTPVASALAVAGVVLV
PPGLELLHRAGHVGLLAVAAPGPVPPGAVPAPDRDPPGGVDKVAPRRLYRQPEAGEGFG
VHGPA GPVKVEKDVVKDAPDEEGLGGEGHHGDLDSPGQGGPYQLGVDGADVREELLEGA
LPDPPGVDAQDRLVEVQGQKVDPYLVPEVLDHLLDHGGVAVGSGVVVPAFAPVAVVX

>comp12120_c0_seq2; 183 1 849 LEN=900; translated
XNNGDRGKGGDHNSRAYRHPAMIQKVI EHLRDEVGINFLALDFDQTILGIHTRGVWKGSL
EELFPHVRPVYAQLIRAALAGGIEVAVVTFTSQTFFVVRGVL DHVFFDFGDAGGGAMDAKT
LSGLGLAVQTAGGHFVDTTRRIPIRGGDRSWRYHGTGSRDGKQPHMASAVEELEARRDED
HSRERNGERGSNGGACCGPPEPITRR'TLLD'DDARNIRVALQNGTRAVWFDPKRPDKLL
PELANXVVARTPREQKCGNETKRIKTRIDSA'TAVLQGTAE

>comp12120_c0_seq3; 297 485 1373 LEN=1373; minus strand; translated
MHSNPVVPFFLEKINACLLLLLLLLCGSLQNSRRFVLFRRFRTCPARVASLLRQVGEFRQQL
VGPLGVEPDRPGPVLEGDPDVPGVVVQEEGRPSGDGLGRAATRTPVASALAVAGVVLV
PPGLELLHRAGHVGLLAVAAPGPVPPGAVPAPDRDPPGGVDKVAPRRLYRQPEAGEGFG
VHGPA GPVKVEKDVVKDAPDEEGLGGEGHHGDLDSPGQGGPYQLGVDGADVREELLEGA
LPDPPGVDAQDRLVEVQGQKVDPYLVPEVLDHLLDHGGVAVGSGVVVPAFAPVAVVX

>comp12121_c0_seq1; 814 117 3191 LEN=3865; translated
MSQHHSPLFRYDRHPDEERGRCLIASTDLRKDRLIFVERPVIAMQSTGMHEGALVCSYC
MAFCGSPGQNLKVISDPSFLEEMATSNNNQRCVNEKDDDDVNNYALNGPHALYCCRHNCG
HIYCSLECQQDDWKWGGHRELCTGMIPDPDECTSRQYQQKELGANTLTAVADEKEQDDLS
NTSPSSNVDSFIDPLLEFKVYARNTNEIFLLVATWLVRI IKHNLPHYHEDDDLNTHPYTD
QMNTWWDVKANEEAILKKEKEDPEEKANKSNVEGGSLIEDILKQLCEDSHSYLSRTLKNR
LEQSQDSPWLTPIGMARLIGSLEQNCLGIRRKHALQRNLMQDTNLRQEFHTELIQCLEGA
GMIEDNNDKCDNTCPDVDGCGNDRELEKGPREGLSKYSRDDIATFLASLTQDF'TNGC
VFDEWDEIIRPLDGI SHYSIATKMNHSCNPNVILVYKTRGWGRDHPLVAYIVALKDIKEG
EELTISYIDSEDPYEERQTALANYGFICTCSKCISEKDEIGQRKNEEDDDANSLNDDLFG
DDESIDDDDLFGNNDGDGEQANGVAENTDSAENEDGNDYNEEPRGAQSLLDVLKQLDTI
SNKSNHAAIPVEYLAPASNYVVKQASSLISDFQNAEGFKGDGQKIENLLKKIKAAIRERD
FSACRLVGSGLLELYLSLLESNGSWTTPMYRASYWCSAITASIGYAHEGSFLLSIKYLDK
AII LGQDRSLIEDYFGYVELHASQMAAAPCP IAVDCKVPDYRCPKLKELVASRTLPKPIQ
IPVKELISDEKSNKASIMASYNQSQTCVIRHLASEWAAVEKWRYLDRLAWEF'GHRLVPIE
IGSMTTRMKEAVVTFRSFVANYMSSASRDFWSFEDATDGKSQIAYLAQHPFLDQVSDLC
KDIDMNPYGVQPTNINIWMTGGTRT'PLHFDSYDNL'LIQLVGAKYVRLYEKENS'DR'LYVR
QDKSYGSQGNMSELDCQE'DFEKHPLAKDCNYKEVLL'FPGDCLFIPSRQWHYVRSLS'TSV
SVNYW

>comp12123_c0_seq3; 515 113 1479 LEN=1479; translated
MSPSPPSLSPTLTTHRALEFLNLTKYAGQRKVP ILEWLLAWTTVVVFGIRYLIDYARLR
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VDNGDSGSIDASTECSGNSASIS'TLGGSSVIEGAARKSHRKKKPKAASLIVQMTKEWT
DDDWITIVRSDLVRR'EASLYMH'TLSKSLSSPRKNGLGALVVL'SKL'RRLWPQ'FLQLPESI
LEQSSSSSSDNEHDL'SLIVPMYKEKVTDI SYTLNKA'F'DNC'SGDPKRIQV'VVVHVQSSPTD
ENDDDGNSLLRQQLLQEQEQQKEPPQPS'ENNSNEDERPSLTSSW'GELKVV'TIPYQGGGR
GKTLNVGAKHATASIL'TFLHADTMVPAGWDEQIKKALTWNNN'ISSNGSGRDNGNSFFPH
ACAFTMAIDVDSYKTN'GASSPLSSHRKEPAGLLGA

>comp12124_c0_seq1; 305 30 470 LEN=941; translated
MSDKDPKRRCFHCVFTNSKGTNGSLGIITPELLASLFAKPLRNSRRKKRYSSHEGHSHQ
RNRKACIGTTRVGVQSVSTANNNNNDDDDINNHDMEKHRVQQVSTNEQHVVTPSPLLNPE
TANPKPVEEKPIKKEEEDQNSTIEVA

>comp12124_c0_seq2; 403 1 880 LEN=1351; translated
XSSGKSSERSSETSTDDNASRNSPGSGDASDKAGNSSAESQSDDAGSGTFRSGSSGASSG
AKGSEPPAARTTPSATIVTDTNEKGGGKTGGGKHARKDAVPVPMRLLNFTAMTLPCLDY
PAIKKWNKVAAETNSPTIPPLHVTVTLMMSDKDPKRRCFHCVFTNSKGTNGSLGIITPELL
ASLFAKPLRNSRRKKRYSSHEGHSHQRNKRACIGTTRVGVQSVSTANNNNNDDDDINNHD
DMEKHRVQQVSTNEQHVVTPSPLLNPETANPKPVEEKPIKKEEEDQNSTIEVA

>comp12125_c0_seq1; 437 355 1641 LEN=1871; translated
MYHRHSTSSTGSTGSGAPPQHHQQSYPFQRRARSAGSRHGSQMNPNYDSYVSHNNNNNNKS
YSSLPDTDQHYGDHSNNNVSYDSGYGNDDDKYSKRGNGSAYTSMSSPTFIVWRIVPFLV
LVLLPWIPNQFVRSQVKSRLHIESLLEQKQLVENLDQTTARINELKRDVEILHKDNE
SFQELKRNGKSPRNLAAGEEDLGDVRTTAADMESEGYETMEEEEEILVRRIDRLEKSIQS
SAVKRLTEKYNGQYRFKVNVRDQRDRQFFVIETAMLAEMPHAI DHFFRMIENKLWDGL
PLIHEPHSLIVSATPTLTDGSHAWGGQRFVDANITHMAFTEHSPTYPPPHRLTYVAFSG
RPGGPGFYISLDNELEYAREQESTFGVVMEDRDVLYQFFLQKDMGMRKILTIESIEILPT
KRPKEEAS

>comp12125_c0_seq2; 424 1 659 LEN=886; translated
XKNDIPTMLFRSAVFAALAAAYASAETMIPDLNIPTTSTMGRILSKARRLEQNNNQNEQ
NDQDASWLAGYSIKYDSCASLIQVREEGGGDDEGILYTQNLVKFVVCPGNTGSCSDCGSG
IAQYVVMQEFVEAYVEMKEQQKEQACETIAEYCYCDNANDDQACENQCYVDQGMESCIE
VEGQEEFNLAEYMECKEMEGAEGNNNNNNNKYGNNDNSK

>comp12127_c0_seq1; 312 92 544 LEN=544; translated
MPDSQNDPKYDFKPPEDNIKKWPKINNQFQGVSPFDFA MRQKNEEKRRKEKERETKSKL
YSYQAKGVSTLVEENAKALNAAESARKEEARKNVEDAKRVNMAAAGFGAEQAARNADFER
EKAYKEAQRNEKETQKNVNMAAAGFGVEQAA

>comp12128_c0_seq1; 475 369 1529 LEN=1718; translated
MATYYASKASELTETVRERVADLQRLKARNELNARVRMLREELHHLQEPGSYVGEVVKQ
MGQNKVLVKINPEGKYVVDLDSQVDIKDLVPNTRVALRND SYTLHKILPTKVDPLVSLM
KVEAVPDSTYDMIGGLEKQVMEIKEVIELPIKHPPELFESLGVAQPKGVLLYGPPTGKTL
LARAVAHHTDCTFIRVSGAELVQKYIGEGSRMVRELFVMAREAAPSIIFMDEIDSIGSAR
GGGGDSEVQRTMLELLNQLDGFEPAQNIKVV MATNRIDILDSALLRPGRIDRKIEFPNP
NVDNRMAIMKIHSRKMNLNRNIDLK VIAEKMPNASGAECKAVCTEAGMFALRERRVHVTQ
EDFEMAVAKVMKKDGD SNISLQRLWK

>comp12129_c0_seq1; 295 738 1124 LEN=1580; translated
MADAMKSTAKAMHKMNKAVDVPAINKMMQDFERENAKTEIMQEIMGDTIDDALGGEENE
EEDAVVNQVLDEIGISFGEDLPSAAPTAPVGVSEAA SPGKVAMSASGGGGMDPQLSELE
ARLNNLKR

>comp12129_c0_seq2; 342 126 806 LEN=1262; translated
MGNILGKEKPLKEVLRENKRMINRAIRELDREKNGLEREEKRLTLEIKKAAKEGQMGPVN
IMAKDLVRTRQYITKFIEMRSHLQGCALKLQTVKSHHAMADAMKSTAKAMHKMNKAVDVP
AINKMMQDFERENAKTEIMQEIMGDTIDDALGGEENE EEDAVVNQVLDEIGISFGEDLPS
AAPTAPVGVSEAA SPGKVAMSASGGGGMDPQLSELEARLNNLKR

>comp12130_c0_seq1; 559 248 2083 LEN=2213; translated
MSIDFNGDSKDNKTQSAIGEHSIHVEEVGGVCHLVEPLIPRVSNPSSSRTESNVSARSC
NNENCNLVAIEQEEHAYYELLEDGNSLDPAFFDGRNDYYS LDPHRFFILAI FCLNLLG
SAVWITFAPIEDAVEAKFRQFDHFFHENDATI SNQDVNWLSMVSMAVYAPGTALCAWAIP
KYGFRETAISSSFVMAIGCFRWMSSLITL NEDASNADWLSAMPYFILLGQALVSLG
QTVFLNAPARVAASWFQTTKPIGAINLFSNFGIILGQSLSPLCVVEETGEHLDQLLAGQ
AIAMGICALFTGFCFRDEEPLPPSAAEAARREREQQQLPRASSSSSESQEATSPDTSVS
KDVKILLTNPQYIVL LLAGLIEYGLNSAIITLMQPWVASSGFPGDKIAGLCGSLTTGGI
LGTSAATLLDQTNFNQAIRWSFLVMFLAGIGQVAALHPECPTWLLATTTFFITGMTQMP
LLTICLDAAAHAHTYPVPEELSSAGLQLVGCYLG MFLVDMVYLMETPSGNDDGENHDQKH
SFAAEVNVAYLTLGLSSILACCYKSEDPRS NAGNSGEI IHSDSTRAPSSIEVLNIDDN
EGMIHENLAVN

>comp12131_c0_seq1; 224 1 598 LEN=825; translated
XDSDDDDDEDEETDGVGDKLSNDDATSDSDDFRQKLLANWNDPSGTAAKEITYTAAAPSEP
ESATEDSAVRISRYPRIASLFGNARVIEGPDMP SVVVGAVRANALPADDEDNIVILNARG

NDEMVAVRALATKYGTQKKIILVNCQFRPVPKELLGAETVYSVLPLAGKKKGEDTSASGS
GGDETPAPKIVVLRYPKDW

>comp12131_c1_seq1; 257 274 1194 LEN=1652; translated
MKLISVCFHVVVSRIGTSAFQVLSRNTCRRQYASTSILCAKAKSKKKASKRAGDFWEAR
MDVWRPDVNDVERISWGPAPAKKGTGSRGVPHRLNLDERFLFDNARKKGFLETEGSGWRS
QRREAPLLNTYRSLCDARGQASIVLHKGSTGVDELVCDSLPLRNPATFDEVAQKCLELRE
GGEVVFQSGTDEVSSSEDEHEDLSMTLQIVDEATTSETTSSGNQNNGSNSSSDEETS
GPWETRPIYQLPPYCI SWELQRSEAKALGKALAKHFLTMEGKNKQSKKPIGVKAGKGRRH
GGYGIG

>comp12132_c0_seq1; 268 306 1056 LEN=1056; translated
MANTTNQTRGRRSGSTLRSAAAGGAAARLATVVAIGLPTPVRSVLPPALSAATSEPGNAFS
RSLSTGDFGAVNELFENARILVPEEFVSEVAFADLDLTI RNICYDMSLGGIAVDHER
TSDTSFLVTGVSGLDVTCEMNYEYSYGILSGDGWLKIETENSQASSVSFSGTDFDRAR
PPTGSAVQGCESDVGIREMDFEEDLASEVLEVFQGLVRNAAERAIGDVACEELS VAGT SV
LGNLVGEAAGX

>comp12132_c1_seq1; 1557 1 6500 LEN=6707; translated
XGRLEPYLGHLEAATDPLHLETGLVLPDDLEALDLQDTNGYVGRTVSEILGYLDAHLGA
SAPGSPGQDRQDLVNSLLRSFVLEEDGSLPMDPASMPSLADQILFEGHDLRLETF SVTLN
EIRLFGLD S ITRLNSFRIRIGKHTLQNELTWDLSLFEFDLTLDMKPSTLEDAILVDPTSPG
IREDFTIGFALENIDVEVSLLLVLDGDAMGSMELGPLFHTE NLLPCVLSVVDHARISGLD
VDPAYVTDGPTLSGFVSSGLDRFVSDSIGAAFSVYEASLRTAVPNLFRTEVREGINAFLS
SARASSGGVPGCPEAPSFDEGVLDREFLDPESSGSGYGLV PAMKKMLDEELIATGDETG
RPRINEALVAPFTGAQSGTRGT VVFPFDLFRFAAPNTVSQRFGMESLELRLFDPKIENID
TIQNP IRLFEPNATSGQILDNYATLGVPQRKLRIGVKGRIDAEGDPALATTNEIDLSVEL
SGAEAWVSLMARIDAGSLFRFPLRDVANPECWLN TLESPA AIGEGQSTGFALAGALLDTS
AMGFNVSCASCTGAGPSVFPMMGSLGAAGVSEVLGGRLVRLVLDLLRS DSTQAYINHRL
MDAALRCPHSPEYVGPSASSRDDL EQEFP SLDHGSLETLVFAAAVAEMATVVVARAHES
YDLET SFPLSAQHDLGAKDDARLVDFTALEESVGEKASSGIAGFLAFLHRGADDPGGNGS
LGVNSILRASLLDKNGEFSVSFEGPEATNDETGISL KELKIFGLDTISELKVFDAVGAQT
LQNKIRWDEIRIQLVLSLGHKGDASAAKSEITVSVGLSGVDLSLALFLEM DLRLEALE
LWSIMETTKILPCLVSGAREARFTELELSIGSFAEVSIDGFDSSEIGSAA SESTKLFLEQ
YGEVASSMPKFFDSTVRSLLNWLKHYTGELASDMCKHSPSRGSGFV DLRDLLQTA AIA
THLGGTGLSGYGD TFR TALGFVRDLFKTDESTGLSGFNTV VIEPLTASN DGGAGAIHYPD
DLFHSEEKIKIGALDTSVQFRAYDAKVENLNTV GAPLEL FVG IPEEPYLLNNTITAGVGE
QPLRFSSTVLLSLQGDDEIRNEIDLNLELTDANIIVSTMTKIAENR LFGFPLRDVFDL
NCWLATIPAPELDPRGVRVHDSEVTVSLSLSSSVGALAVSAK CANCSSPRMVEFVDLIS
SPDARNETTDVANALLEYVTQLMGGNLFQVQMDRILNDAARKCPHSPSYDPNAIPLVYEA
FEAPDTSYSMGLILLGALALAAVIVFLMIIILVRCIVQRRH SKWLFKLP PHQMKKLAQQ
QKSEMDLEKLNRTTSSMFLSRDIPCIVRFVVPVVIISNVAFFLSGHL SLGATVNI EAEV
AGETFTIENFFEF SMARSTIDIWKAGGWELAILILFSGIWPYTKLLMTLWLWFSHP SKV
SISRGSILT WLDWLAKWSMIDIFVLVISIAAFRISIESPNAAYLP SDFYAIEMMVIPLW
GLYANMIAQLLSQVTSHIIHYHRQIVTRGTSRLNENHLPDVVVPASLDARAQSQPHEQE
DLQNMQLHSLNAGQERSHSAEALDEIFIESSSVPTPKAATENKMSLS SYQFSRPHRGE
NEKLVVRRYVNMILPLCGCSLVICIALGCILP SFSLELLGIVGVAVEFGQDFE EATVYHS
AFSVIKLLFDQASYLGTLRDYLGLIVLSILFVSTILFIP I IQSITLLRQWFSSTTITEKR
KISVRIEILQAWQYLEVYLVALFVSSWQLG SVSDFMINEYCKNLEDTF AQMVYFVGLKEE
DAQCF SVTSHIEMTSFFLVAGAVMLSFLSSFVSKGTFQYLRDETNVAQRLEGRGDLTINS
GDGSQQYDDGNERDDIGVVANIRQVPVLF TDTFRWLLSSIAQTGYAESGDSHWSLPEATV
VADGLPND SRLIKGTYVSNL GSEKEVDQVANGSFQEKGRYPERGKSITSASSFKSYHHS L
KGRKLIHDDDGDEKRHHKYS PKQQQRREARRYLSSSHGQNSVNSQMESV GSTSEGEHFED
ISYNSMQFPLSSKKPPPSEYRLSKNSLKP PPSYSSPIENKPTILT KMPSSSSLPSSPRS
TSRMDDCTHTTINKEYDDDTVF TGEDEYSRVK S ISDIIVEMDNDANTLHFDDG SFSQQSS
SRHQFT

>comp12133_c0_seq1; 90 241 455 LEN=455; translated
MKHRADGGDASSKLYGSFPAAEDPGANLSADAPAGPAGAGSFRGGANPSPPP NARPPSY
RKIERGSGDGSG

>comp12133_c0_seq2; 292 283 1178 LEN=1178; translated
MDVENTSETDVNVQLISKEGDKFPVPTAVANMSELVKSMMDDNDDDDDERVCRICLEEDS
PETMIAPXPLQGLEQVGP RPVGRVADQRERPCLFQVHGVPLRVPPGARLRGGERERERQ
RQRERERRLRTDRRVL RP AEAPPVLLLLDGVQGR LHRDPSAAARGRPPGSNRQGVRRGPA

ASGAGFAVSRGTRKRAAPSYWYYYYYGFGWLAFLIATGVCGLVVLCTNGCNLKRAIPRVGPP
SEADGEAADAGREREREQSRHERSDFRRTGNFYHSGTNYNYTRVDSENDYFYPQQQQX
>comp12133_c0_seq3; 138 1 868 LEN=868; minus strand; translated
XLLLLLLGKVVVLAIDSCIVVIRARVIKVSATEIRPFVAALFSFSFSSRVRCLSVRFWR
RPDPGDGSFQVAPIRAQDDQSTDAGGDQKGPAAESVVIIPIRRGRASFRERRRNQLRKP
PVPVARLDDCSQEDDHELLQKDPGADVPGHHPVEEAPAALLPAAAPADRSAAVVPALVVV
VVLALVLPPEGLQVVLEALRAPGKGTVSLVGPPLVQALAVDPPARALAAAGCNHGFGA
VFLQADPAHPFVVVVVVVAAAIAAAPFNLSIGGGPRVRRRARVGPPEAEGS
>comp12133_c0_seq4; 236 283 482 LEN=482; translated
MDVENTSETDENVQLISKEGDKFPVPTAVANMSELVKSMMDDNDDDDDDDDDEKKTTE
IPLPNVX
>comp12134_c0_seq1; 226 353 1315 LEN=1723; translated
MGNQPSNGGVPGGHHGQSPSDDQRRHHNNNRGGSASYSYNGGAYPQSTGPNAGGAVGGQ
HQHQHQTSSQHKNMMSRSSSDASMSGVGGGDADHTVKSNGNPAVENWLDLDDTVPTVFRW
EHGGRQVYITGTFNGWSRQIPMHRSGNDFTYIHNLRGKHAFAKFIVDDEWRFAPDQPTVA
DIEGRINNFIDVTDFKPYTGDREFEKEKAAAEYGFIADEDETSEAHDDDGPRDGEIFSQ
TMPDLDEYTKEPPLPPLRHIILNKPPQLQDTAALPVPQHVALNHLYCTAIKDNMMVLG
ITQRYKTKFVTTVYYSPEAK
>comp12134_c0_seq2; 179 353 1175 LEN=1946; translated
MGNQPSNGGVPGGHHGQSPSDDQRRHHNNNRGGSASYSYNGGAYPQSTGPNAGGAVGGQ
HQHQHQTSSQHKNMMSRSSSDASMSGVGGGDADHTVKSNGNPAVENWLDLDDTVPTVFRW
EHGGRQVYITGTFNGWSRQIPMHRSGNDFTYIHNLRGKHAFAKFIVDDEWRFAPDQPTVA
DIEGRINNFIDVTDFKPYTGDREFEKEKAAAEYGFIADEDETSEAHDDDGPRDGEIFSQ
TMPDLDEYTKVGLYCSVPAASNSVGPSNKLAAVW
>comp12135_c0_seq1; 390 145 1227 LEN=1781; translated
MKFFSKRCIVLAPIFVVSVSDGAEVFRKASRTVPAKNSIHRSKNTITEHPFVSTGSRR
LDVRGGGRTNEKEKASISSSVFNLVNNVAGAGILTLSNGVAIGTGGIPAIIVISAALGALS
AHCFSIIGQACEMTGQSDFKGLWEKTIGKNTAYLVDTMIAIMCLASSVIYSGILGDVFTP
LLKQVGFDPDAWNFRSNIIAITTFLLLPLSLIKDLSKLAFTSMLGFTAILYTVCFIVFRA
LDGSYNVPAGKFLQDGLITSPSFEKSSMLKIGFASLVLSNFGLAYIGHYNAPNYRSLR
HTNSKRFRFMTNSAYTTFLFLYTTAMIAGYATFGDVCQGNILLNYHPDDLSTFGRVATG
>comp12135_c0_seq2; 447 145 1608 LEN=1657; translated
MKFFSKRCIVLAPIFVVSVSDGAEVFRKASRTVPAKNSIHRSKNTITEHPFVSTGSRR
LDVRGGGRTNEKEKASISSSVFNLVNNVAGAGILTLSNGVAIGTGGIPAIIVISAALGALS
AHCFSIIGQACEMTGQSDFKGLWEKTIGKNTAYLVDTMIAIMCLASSVIYSGILGDVFTP
LLKQVGFDPDAWNFRSNIIAITTFLLLPLSLIKDLSKLAFTSMLGFTAILYTVCFIVFRA
LDGSYNVPAGKFLQDGLITSPSFEKSSMLKIGFASLVLSNFGLAYIGHYNAPNYRSLR
HTNSKRFRFMTNSAYTTFLFLYTTAMIAGYATFGDVCQGNILLNYHPDDLSTFGRVATG
FSILFGFPLVVFAGAREAIIGLASNFGNAGLGSEKNFNLVAGILTFVTIISCTVRDVSIV
VGLTGAALGSALVYICPPLLYTKAVALRYGNDSVASKRAKMNALVPPFGVICIGILGCFMT
MKEASLK
>comp12136_c0_seq1; 1443 165 2534 LEN=2548; translated
MTHSIYFARALLLAACFIQDASSFSQVSRGSSNVVRSKPTFMSAVADESGTSSAEERMKA
AMAAEEMNSPKSAADTSNFEFGLGGRPFPLSMIVGQDNKQSLLLASINNRMGVVIS
GGKGTAKSVMARALHQLLPPIEVIKGSQFNVDPEGEFGMDDYLKLDIANGGVPLAERETE
VIPCFVQVPLNVMEDRLLGSADLEESVKTGKTVFSPGLLAKAHRGVLYVDDINLLDEET
ANILLNIVTDGYVLIEREGLSLRYPCLLIATFNPEEGELRDHLLDRIAVSLSADAQPL
DNEERVAAVKSVLEFSGSGAQSSEAEALAEAIENEDDLKTAIVFAREYIKDLKVAPSQ
IQYLCEEAIRAGCQGHRAEIFACEVARAAALEGRQVNSDDLRLAVKLAIAPRGTFVNT
MDEDEMMAPPPPPPPPQMDQDQNEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE
FMFDADATPIDPDLIAFTSRERNKGKGGGMIFSQDRGRYIKPMLPKGVIRLAVDATLR
ASAPYQKARRERAVGTYKESRGVHIESGDVRIKMARKAGSLIIFIVDASGSMALNRMNA
AKGAAISLLMEAYQSRDQICLIPFQGECAADVLLPPTKSI SMARNRLEQMPCGGGSPADA
LQMAVLTGLNAQSSGDVGKVVCMVLSGRANVPLCVSKGEEFDPEADED SKDGKPSRKYL
KDEVLCAKQLGATPGFNLLCIDTENKFI STGLAKEIANAAGGKYHQISKADGNAIASVT
NAALNELKQ
>comp12136_c0_seq2; 1152 165 2637 LEN=2651; translated
MTHSIYFARALLLAACFIQDASSFSQVSRGSSNVVRSKPTFMSAVADESGTSSAEERMKA
AMAAEEMNSPKSAADTSNFEFGLGGRPFPLSMIVGQDNKQSLLLASINNRMGVVIS
GGKGTAKSVMARALHQLLPPIEVIKGSQFNVDPEGEFGMDDYLKLDIANGGVPLAERETE

VIPCPFVQVPLNVMEDRLLGSADLEESVKTGKTVFSPGLLAKAHRGVLYVDDINLLDEET
ANILLNIVTDGYVLIEREGLSLRYPICRPLLIATFNPEEGELRDHLLDRIAVSLSADAQPL
DNEERVAAVKSVLEFSGSGAQSSEAESALAEAIENEDDLKTAIVFAREYIKDLKVAPSQ
IQYLCEEAIRAGCQGHRAEIFACEVARAAAALRQVNSDDLRLAVKLAIAAPRGTFVNT
MDEDEMMAPPPPPPPPQMDQQNEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE
FMFDADATPIDPDLIAFTSRERNKGGGRGMIFSQDRGRYIKPMLPKGKVIRLAGGVPRI
RPTVSSATSIFQPNFLYTVCFCDFVVDATLRASAPYQKARRERAVGTYEARGVHIE
SGDVR IKKMARKAGSLIFIVDASGSMALNRMNAAKGAAISLLMEAYQSRDQICLIPFQG
ECADVLLPPTKSI SMARNRLEQMPCGGGSPADALQMAVLTGLNAQSSGDVGVVCMVLS
DGRANVPLCVSKGEEFDEADEDSKDGKPSRKYLKDEVLACAKQLGATPGFNLLCIDTEN
KFISTGLAKEIANAAGGKYHQISKADGNAIASVTNAALNELKQ

>comp12137_c0_seq1; 555 602 2088 LEN=2088; translated
MASATPSLPLSMIEDAKSSDSEIDAYAARVLKAMSPDTSIFDDSLGPYVASMIRCADIR
AKEEVKSLAEFDSILELLEDQCSMDREKAADCVLIRITDAVVTHVLPFSERTAATVGVRR
RCNSFPLYTQHGGALDSFRSMSSALPESMAALAEETGETEAQAQTPSKSFGPADTANAFSL
GGPSPLRLDNLIPDLMGELDDPSPAYSSPSALASVLLAPKIGLRAAPTTLAQTRTQSQS
HRYATSFEPKQSPQTSASLAAVHGQRNNEFPPLGTSPEAFPPPLGARVEKPKKVKIRSSK
SSDGKIQHSDKDLAATLFRPARPRQNSIESEEAASRSRGSSNASASMLAMSATGTIDEE
SAVCGNGMSNNIYFQQQLDSCVEILLSMNPDLSEEAAGLMAGTDFNLAQYIIDS AIR
APPICRHMLHDGCYRS DCTFSHDVEGHTCLFWRGRGCGKGSACKFLHGFHEKLLDGDIMS
GYRSQQQPNSNNNSX

>comp12137_c0_seq2; 575 1 1957 LEN=1957; translated
XASENQFHESLHRIASLLPVAFLFPHSHQQEQPQLRTRTTIDAASTTPKQNTVKARTTPA
NRPTPKDIDIRSTKQORLETTSTRPCDDIRRFQICQTLTNSIQFESDWRLEFSAHPTAE
QSGDDWLRGCGKGAQNFVPVNLAPRKE SRAMETATMASATPSLPLSMIEDAKSSDSEI
DAYAARVLKAMSPDTSIFDDSLGPYVASMIRCADIRAKEEVKSLAEFDSILELLEDQCS
MDREKAADCVLIRITDAVVTHVLPFSERTAATVGVRRTRCNSFPLYTQHGGALDSFRSMSS
ALPESMAALAEETGETEAQAQTPSKSFGPADTANAFSLGGPSPLRLDNLIPDLMGELDDP
SPAYSSPSALASVLLAPKIGLRAAPTTLAQTRTQSQSHRYATSFEPKQSPQTSASLAAVH
GQRNNEFPPLGTSPEAFPPPLGARVEKPKKVKIRSSKSSDGKIQHSDKDLAATLFRPAR
PRQNSIESEEAASRSRGSSNASASMLAMSATGTIDEE SAVCGNGMSNNIYFQQQLDSCVE
ILLSMNPDLSEEAAGLMAGTDFNLAQYIIDS AIRAPPICRHMLHDGCYRS DCTFSHD
VEGHTCLFWRGRGCGKGSACKFLHGFHEKLLDGDIMSGYRSQQQPNSNNNSX

>comp12138_c0_seq1; 639 1 1393 LEN=1665; translated
XQQQQQQQTATVDCAIKILNLDHVDSNLSEIRLEVQSMRLSSHPNVLSCFAAFVVRSTDW
LVTQLMRKSSSLHCLQGARRIAAARKRREAAAAQTEPSTEVPLPMEHHILYIMHETLLGL
QYIHEHNGQIHRDIKAGNILIDHNGDVRIADFGVSGWLVNAGTQQEKAKTFVGTFCWMAP
EVMEQINGYDYKADIWSLGITAMELAKGYAPYAKFPPMKVLILTIQEDPPSLDITYDEEDG
DVSEEWLESYDDEEFKSFVDSCLQKNPVKRPATSDLLDSKPLSGYKDPVYRERRKA
AFVEEVCNLVRDVGSIAGTAAAE SNAARAEGPDASSSDRENMPGCSPVSI FL SKEESNRP
AGTTWVFADGSQVLSSSLTNDLSVDDVLD EIDQFGLQTGGEHYSRGDDHSLQQQQRQQQ
NEAAAIEAQTTP EDEGDDLNAFMDEFEMNTQGENFRRPSRQVE

>comp12138_c0_seq2; 639 1 1393 LEN=1649; translated
XQQQQQQQTATVDCAIKILNLDHVDSNLSEIRLEVQSMRLSSHPNVLSCFAAFVVRSTDW
LVTQLMRKSSSLHCLQGARRIAAARKRREAAAAQTEPSTEVPLPMEHHILYIMHETLLGL
QYIHEHNGQIHRDIKAGNILIDHNGDVRIADFGVSGWLVNAGTQQEKAKTFVGTFCWMAP
EVMEQINGYDYKADIWSLGITAMELAKGYAPYAKFPPMKVLILTIQEDPPSLDITYDEEDG
DVSEEWLESYDDEEFKSFVDSCLQKNPVKRPATSDLLDSKPLSGYKDPVYRERRKA
AFVEEVCNLVRDVGSIAGTAAAE SNAARAEGPDASSSDRENMPGCSPVSI FL SKEESNRP
AGTTWVFADGSQVLSSSLTNDLSVDDVLD EIDQFGLQTGGEHYSRGDDHSLQQQQRQQQ
NEAAAIEAQTTP EDEGDDLNAFMDEFEMNTQGENFRRPSRQVE

>comp12138_c0_seq3; 622 1 1668 LEN=1924; translated
XQQQQQQQTATVDCAIKILNLDHVDSNLSEIRLEVQSMRLSSHPNVLSCFAAFVVRSTDW
LVTQLMRKSSSLHCLQGARRIAAARKRREAAAAQTEPSTEVPLPMEHHILYIMHETLLGL
QYIHEHNGQIHRDIKAGNILIDHNGDVRIADFGVSGWLVNAGTQQEKAKTFVEPRAGWYV
SHRTASHRIVSHCLVSSVLPVCDVCACRLLLLDISSAIVVLDVDGGPCLVDLYLPLSRSI
SYHAAFPILLVFI PPYSSFRAIPFHATQAPEVMEQINGYDYKADIWSLGITAMELAKGY
APYAKFPPMKVLILTIQEDPPSLDITYDEEDGDVSEEWLESYDDEEFKSFVDSCLQK
NPVKRPATSDLLDSKPLSGYKDPVYRERRKA AFVEEVCNLVRDVGSIAGTAAAE SNAARA
EGPDASSSDRENMPGCSPVSI FL SKEESNRPAGTTWVFADGSQVLSSSLTNDLSVDDVLD

EIDQFGLQTGGEHYSRGDDHSLQQQQRQQQNEAAAIEAQTTPPEDEGDDLNAFMDEFEM
NTQGENFRRPSRQVE

>comp12138_c0_seq4; 622 1 1668 LEN=1940; translated
XQQQQQQQTATVDCAIKILNLDHVDNLSEIRLEVQSMRLSSHPNVLSCFAAFVVRSTDWL
LVTQLMRKSSSLHCLQGARRIAAARKRREAAAAQTTEPSTEVPLPMEHHILYIMHETLLGL
QYIHEHNGQIHRDIKAGNILIDHNGDVRIADFGVSGWLVNAGTQQEKAKTFVEPRAGWYV
SHRTASHRIVSHCLVSSVLPVCDVCACRLLLLDISSAIVVLDVDGGPCLVDLYLPLSRSI
SYHAAFPILLVFIPPFYSSFRAIPFHATQAPEVMEQINGYDYKADIWSLGITAMELAKGY
APYAKFPPMKVLILTIQEDPPSLDTYDEEDGDVSEEWLESYDDEEFKSKSFRSFVDSCLQK
NPVKRPATSDLLDSKPLSGYKDPVYRERRKAAFVEEVCNLRVDVGSIAGTAAAE SNAARA
EGPDASSSDRENMPGCSPVSIPLSKEESNRPA GTTWVFADGSQVLSSSLTNDLSVDDVLD
EIDQFGLQTGGEHYSRGDDHSLQQQQRQQQNEAAAIEAQTTPPEDEGDDLNAFMDEFEM
NTQGENFRRPSRQVE

>comp12139_c0_seq1; 263 402 956 LEN=1187; translated
MHRSIIPSDQQPDDERVFIEVQPYASRRDDAWFALTLDDHEEIFAPSVYNETMSTLLKLR
LKVPPKLQKKDFQFVIDVAGEGVSFVGPVAVCDGNRSFSRQHDDHVLLKIESADAFRETV
AADGPQEHRSREPPSRPIGNIDL VAGWAAGYDAVKLTPKMIVRRRN VETETKAATGYDDSI
DGEL

>comp12140_c0_seq1; 411 370 1590 LEN=1824; translated
MSLSLPSNDNDGDSSRLQIKPLTGGLSNHLLLASNNSKTVLVRIHPDTKGETASEFSVVD
REREPKFAAWLASHKEKLAPTIYGRFANGRVEEFYTNTRPLAWGEMKYYAPWIAERMASF
HSLDAPPSDVLPRPTKAVTATIYDTIGSWLNEARSTIQKRKA EHDSEAKNEGEELFLSQL
SSEAWLENELRRLPPP NHARAEADKSTVAEALTFIRRIAVTHMDCQPLNILIGNDDDE
NNAATANFAQGANTLRLIDFEYAGWNPIAADIANTFCEYCEATNLCADWDKEYPTPAQQD
TFFWNYLLHSDPQRAKKFSSYPRRQQDPNHYAADDAEWNLF CATLQKEVGRFSLLSHLGW
SIWSVIKAQEEGGVDFDYMAYAHHRMEGYTWSKKRYIATTTGDTVTE

>comp12141_c0_seq1; 164 137 592 LEN=794; translated
MNENQNIYVRDGRSTSRVLNRPGGTQCISLGGYTEAELERMKKLREEREAAKKTGVENEK
KAVTNERPCSWPAETNHPSPPSLEKTASVPERATKEGPSGASVPPSAQRTRTRISSNAFAS
SSTTNSFNVLTRDPTSKVSNPPGGRTSFTLG

>comp12141_c0_seq3; 149 168 653 LEN=653; minus strand; translated
MPSVSSPGFDFVHPRVKLVRPPGGFDTFDVGRSVRTLKELVLEDAKALLEIRVVLC AEG
GTLAPEGPSLVAPSATEAVFSREGGGGSFVSAGPEQGRSFVTAFFSFSTPVFLAASRSSR
SFFIRSSSASVYPPRDIWQVPPGRFKTRLRKVSANQTTSNAA

>comp12142_c0_seq1; 397 153 1115 LEN=1395; translated
MNMKSSLRMIVGWSFGTVYRFSMNAVAFVPPSSCNRCYSSKGLTTSATTARNPVHNDISS
ISKSMNELDGRSFSRGFALSSGAKVDETTANSTVGETSSRIETLFPGAELLTIELIDHL
PLGCTIEESLHEEDDSIFISKLTKEGNAEKAGLRVGDVVVGVTGSGFELTGTINSDVEKI
KKLVAAVPEEDPLVIEVARGTRILERHESTLVDLCNLSGSEKDVQDCVVNFLSGGYDYD
SEDVVSDEEVACDDEDPECLIDGMMNLWADELPPPPPTTSGITDQTKPRSAKAPKPSNRS
SPSGTWVRDPKTGKMRNIDA

>comp12143_c0_seq1; 425 205 1011 LEN=1228; translated
MSTEEDKTAKVPATEPTPEEPEAKKQKIDESEEEKKTDEDEDKTPSEPAMTAAEPKNSSYP
MAPDSDWPEAWYMMDDGTIEDQKALNRLEPNKPATVKRLKDLGIGFWKMDAETYKYPAKA
IPWDPKDATDPKLKEIRDARGYSYADIISVRPDLPLPGYDEKIKAFYEEHIIHDAEEIRYII
DGSGYFDIRKEDKWIRIWIKKGDLMTLPEGCYHRFTCDETDYIQAMRLF IGQPVWTPFN
RPQEEHKSQRQHYVETYIKGATEGPLDSF

>comp12143_c0_seq2; 5 1 565 LEN=782; translated
XHVSINGTQPXVPRLVCIAYDL DGI EYSIQLLRIESLQPLSQTIFHVISDTENSCVIHPG
GYSYADIISVRPDLPLPGYDEKIKAFYEEHIIHDAEEIRYIIDGSGYFDIRKEDKWIRIWI
KKGDLMTLPEGCYHRFTCDETDYIQAMRLF IGQPVWTPFNRPQEEHKSQRQHYVETYIKGA
TEGPLDSF

>comp12144_c0_seq1; 230 191 730 LEN=1041; translated
MAPFLKEFRKTWVPLLKTFSSSAADVGYDMFYK SIGSM DAEIVEKYQLATFIF FIVACV
MLGFTTFTLLCKGFAPKRKVKSDDDAKIEMSGFERLMRHL YKRANQILFLEMILEDIPQF
VLSTLVTYALNRQVTPSMVLNVTT SAYNFVFNIFDILTPDEEEEEEDKGPMGEPLSATVL

>comp12144_c0_seq2; 230 191 730 LEN=1242; translated
MAPFLKEFRKTWVPLLKTFSSSAADVGYDMFYK SIGSM DAEIVEKYQLATFIF FIVACV
MLGFTTFTLLCKGFAPKRKVKSDDDAKIEMSGFERLMRHL YKRANQILFLEMILEDIPQF
VLSTLVTYALNRQVTPSMVLNVTT SAYNFVFNIFDILTPDEEEEEEDKGPMGEPLSATVL

>comp12145_c0_seq1; 630 277 1497 LEN=1745; translated
MMDAIVQLIRNFLCCVKDWELFSDTAFYDPAHTNSLLKSYLGVLELPQYVDKTTPLEAII
ITQLYACLSCARSGIALAWTSAGKLRRAVRLLEGRLSAVAALDRSSPKTEIAAHRIVNES
LVKEAKAAVRNVFVGLLVAPIGFSFFWLFANSHVTEAGWIGGLTALIDALTVMEVALVP
LLYYMLVDGFQFRLARETKECIDVVASSKTSKDSSFDTEYLVNTRYEFMEPGWVPPFYES
GIGAMARPSDKEETEOMAGETKRVKQTLDLWFAGSASSSGKDDSKEDAKIRGEAIDNAL
ATMNKSLFGLSAKGYREFLYLVLFVAFYGYLMAIVGFYYPDDDFQPGWIKGMKFGYDNN
FADWSGNFAGDLMWTIEPAVILASPALISYLQPTTEQKPAKAKTE

>comp12146_c0_seq1; 143 1 1186 LEN=1186; translated
LPPKPTNPFRRSDDAPKGSFPPKFPFVPAIRNGGPVPPADPPVVRPWRRRSPGPSGSV
PEAVAAQAQMOWQMRMQQAPP IRGKHQAHPHGAGGRPSEQGAAGPVRVELHDLLGGGP
LAYPRAWAYQQVLLGHRLWSKRRAAHTPPTEEGAPPDCLLVLEHAPVYTLGRGASEEHLA
FLDGPASASACASGLARTARGPGTARLSLDRSGGERLERALAKAKAEEGGPPEAALEA
VGEWTASIEPVLAPNGVPVYRVERGGEVTFHGPSQLVVYPMLDLKRPGAPYKADLHWYLK
GIEEVVLSSTLAHYGIEGDRDASHPGVWVGSKDIAAVGISASGWITTHGFALNVDPDLSPF
DTSVILPCGIPDRGVTSMGEVLRNRNRDNRDKHK

>comp12146_c0_seq2; 144 1 1162 LEN=1162; translated
LPPKPTNPFRRSDDAPKGSFPPKFPFVPAIRNGGPVPPADPPVVRPWRRRSPGPSGSV
PDAVADAYAETSTTDPGEAPGAPPDGAGGRPSEQGAAGPVRVELHDLLGGGPLAYPRAWA
YQQVLLGHRLWSKRRAAHTPPTEEGAPPDCLLVLEHAPVYTLGRGASEEHLAFLDGPASA
SASACASGLARTARGPGTARLSLDRSGGERLERALAKAKAEEGGPPEAALEAVGEWTASI
EPVLAPNGVPVYRVERGGEVTFHGPSQLVVYPMLDLKRPGAPYKADLHWYLKGIEEVVLS
TLAHYGIEGDRDASHPGVWVGSKDIAAVGISASGWITTHGFALNVDPDLSPFDTSVILPC
GIPDRGVTSMGEVLRNRNRDNRDKHK

>comp12146_c0_seq3; 395 1 1821 LEN=1903; translated
LPPKPTNPFRRSDDAPKGSFPPKFPFVPAIRNGGPVPPADPPVVRPWRRRSPGPSGSV
PDAVADAYAETSTTDPGEAPGAPPDGAGGRPSEQGAAGPVRVELHDLLGGGPLAYPRAWA
YQQVLLGHRLWSKRRAAHTPPTEEGAPPDCLLVLEHAPVYTLGRGASEEHLAFLDGPASA
SASACASGLARTARGPGTARLSLDRSGGERLERALAKAKAEEGGPPEAALEAVGEWTASI
EPVLAPNGVPVYRVERGGEVTFHGPSQLVVYPMLDLKRPGAPYKADLHWYLKGIEEVVLS
HTALKSGMLAAEAVFEGLVAETDQPPVAETFELSESYPTEPASYADKLEASWIYEELFE
VRNVHQAFSKWVGGLAYSGLATHFTKGREPWTLSETDSSETEEASGHEPIDYPPPD
GKLTDFDLTNLQRSNTYHEEDQPAHLRIRPEKAEVPETVSLPVYGGPEQRFPCAGVYEV
ERESSGDDDDQESSPAGGAASPGGKLVINAQNCIHCKCCSIKMPDEYVEWTVPEGGGP
QYQVM

>comp12146_c0_seq4; 116 1 1391 LEN=1391; translated
LPPKPTNPFRRSDDAPKGSFPPKFPFVPAIRNGGPVPPADPPVVRPWRRRSPGPSGSV
PDAVADAYAETSTTDPGEAPGAPPDGAGGRPSEQGAAGPVRVELHDLLGGGPLAYPRAWA
YQQVLLGHRLWSKRRAAHTPPTEEGAPPDCLLVLEHAPVYTLGRGASEEHLAFLDGPASA
SASACASGLARTARGPGTARLSLDRSGGERLERALAKAKAEEGGPPEAALEAVGEWTASI
EPVLAPNGVPVYRVERGGEVTFHGPSQLVVYPMLDLKRPGAPYKADLHWYLKGIEEVVLS
TLAHYGIEGDRDASHPGVWVGSKDIAAVGISASGWITTHGFALNVDPDLSPFDTSVILPC
GIPDRGVTSMGEVLRNRNRDNRDKHK

>comp12146_c0_seq5; 531 1 1795 LEN=1877; translated
XAGLAAAIRFKQLCLEQETDLSVCVIDKGSEIGSHILSGNVFDPRAIHELFPQWAGKAGN
DESGENPHWTEVFYYESQGSRA TPVESDAFQILTEGGSAYPVPVGVFLPSQLHNDGNYILSL
SQLCRWLAEAEENLGEIYPGFAASEVLLSEERESNGPSVLGVATRVDVIGIRDGLPKATF
ERGVELRARQTLFAEGARGSCSEFLMEKLGRESEAVQNQTYGLGIKEVWEVPEEVFQKG
LVQHTLGYPLQSSPTDKTFGGSFLYHQEPNLVLAGLVVGLDYKNPNLNPYKEFKWKTHP
EVRKHFEGGTCISYGARVLNEGgyHAI PKVTFRGGALLGCAAGFLNAVKIKGSHTALKSG
MLAAEAVFEGLVAETDQPPVAETFELSESYPTEPASYADKLEASWIYEELFEVRNVHQAF
FSKWVGGLAYSGLATHFTKGREPWTLSETDSSETEEASGHEPIDYPPPDGKLTDFDL
LTNLQRSNTYHEEDQPAHLRIRPEKAEVPETVSLPVYGGPEQRFPCAGVYEVVERESSG
DDDDQESSPAGGAASPGGKLVINAQNCIHCKCCSIKMPDEYVEWTVPEGGGPQYQVM

>comp12146_c0_seq6; 394 1 1845 LEN=1927; translated
LPPKPTNPFRRSDDAPKGSFPPKFPFVPAIRNGGPVPPADPPVVRPWRRRSPGPSGSV
PEAVAAQAQMOWQMRMQQAPP IRGKHQAHPHGAGGRPSEQGAAGPVRVELHDLLGGGP
LAYPRAWAYQQVLLGHRLWSKRRAAHTPPTEEGAPPDCLLVLEHAPVYTLGRGASEEHLA

FLDGPGSASASACASGLARTARGPGTARLSLDRS GGERLERALAKAKAE EGGPPEAALEA
VGEWTASIEPVLAPNGVPVYRVERGGEGGRREGRKCLFGPRVGRWRVVSAGGREACDAMP
SMPCDAAHHRFPLSFGGGVQWLVGWVRSFVPILAGGYHAIPKVTFRGGALLGCAAGFL
NAVKIKGSH TALKSGMLAAEAVFEGLVAETDQPPVAETFELSESYRPT EPASYADKLEAS
WIYEELFEVRNVHQAFSKWVGGLAYSGLATHFTKGREPWTL SHET TDSSETEEASGHE
PIDYPPPDGKLTFDLLTNLQRSNTYHEEDQPAHLRIRPEKA EVPETVSLPVYGGPEQRFC
PAGVYEVERESSGGDDDDQESSPAGGAASPGGKLVINAQNCIHCCKCSIKMPDEYVEWT
VPEGGGGPQYQVM

>comp12146_c0_seq8; 115 1 1415 LEN=1415; translated
LPPKPTNPFRRSDDAPKGSFPPKFPFVPAIRNGGPVPPPADPPVVRPWRRRSPGPSGSV
PEAVAAQAQMOWQMRMQKQAPP IRGKHQAHPHGAGGRPSEQGAAGPVRVELHDLGGGP
LAYPRAWAYQQVLLGHRLWSKRRAAHTPPTTEEGAPPDCLLVLEHAPVYTLGRGASEEHLA
FLDGPGSASASACASGLARTARGPGTARLSLDRS GGERLERALAKAKAE EGGPPEAALEA
VGEWTASIEPVLAPNGVPVYRVERGGEGGRREGRKCLFGPRVGRWRVVSAGGREACDAMP
CHAMRRGSPLSIPLVWVGCTMVGWLVRSFVGVFVRWLVLAKKVTFHGPSQLVVYPMLDL
KRP GAPYKADLHWYLGKIEEVVLS TLAHYGIEGDRDASHPGVWVGS DKIAAVGISASGWI
TTHGFALNVDPDLSPFDTSVILPCGIPDRGVTSMGEVLR RRNRDNRDKHK

>comp12147_c0_seq1; 386 147 1450 LEN=1738; translated
MEDFPKIDRANDDDDCGGDGERASLALASPLFGPRKASAE EGLLSLWTGPERSLSPGSSH
PWTDRTRALRVMTHAGRILWKAAGLGGAKGVAGPVSMVLLAGLLKRSVGRGLLGIQGAAR
NGSRALAGSNQTETETETDDDE IDEMYSED TGETIHNDCIVDTIVESIVDGDGNAPPEP
VRGKRRKPALLSFLPRASIDHDENENDDHHREVV EEWDFGGANTQAGASMSRPPKRTR
RETGRRVWEEDPFSSRHGVFSRERPKTVRDRKDRGAETLRPRKRARAADTDGTTKTAAT
TPSAAARTRTPTATTKGKDGSSGLPPRXAPDAQTRPMVLP IFYNATTNTNDTNANNXFL
PKLP TETDQRQIDNQSTADHAEWLILGGTARNESIPVRVPIPRFTQQETQTKDTSKHDVR
PNPRNRSDEGNDGF

>comp12148_c0_seq1; 268 95 643 LEN=748; translated
MTRSKIDPPSMRKAFIMSGDINDDEDDAYQKKIYIDILLDWWVFP LLLFVQFGSIMYSQ
QQQGILRIQWVPTMAMIAVFCIACIVYRKLFRVHPLGSMV LLLVPEFATNAVLATVMLTS
DLTTALYTLVGCTVVLVTA AIGQLQVCLYNRSIRSPEPDDYRILNQDEQGDVYDDYNEH
LC

>comp12149_c0_seq2; 358 1 1402 LEN=1458; translated
XIEYDTIVRYKKVQSESSGQPGSKLLRATPNRKKPPKEQPESIPRSEXMTS QDDNTDASN
AKPKAPSKPKLGQPSASEESASKYPNMG LCQQIHKLVAKAE GATDGT LQTEVLT RIREEL
ENPSLYESVELMLGVDTGIWSAADLASKKEAHQKTAE ELEQKVEDAKESAGDMEVMDARV
ELARFAAKSLTENEALEAYKKLLDLPKISSGKKIDAVMESARVSSFYGN TKKASEFTDSA
QKMATEGGGGDWRNRNLKVYRGLQRLLERDVKGAAALLIDCIATFSCNEICSYQDFIVY
SIMSNLLHLPRPQIKAKILDGPEILSVANDIPVVIKLVQSLYDCDYKKFLNAMVEVEPIL
HGDRYFHPHLSFWMRELHILAYKQFLDSYQSVTLKAMADAFGVSIDFVDYHASRFIAAGR
LSAKIDKYGGVILTNRPD LKNAQYRETIQKGD LLLNRIQKLARVVDL

>comp12149_c0_seq3; 261 118 795 LEN=851; translated
MATEGGGGDWRNRNLKVYRGLQRLLERDVKGAAALLIDCIATFSCNEICSYQDFIVYSI
MSNLLHLPRPQIKAKILDGPEILSVANDIPVVIKLVQSLYDCDYKKFLNAMVEVEPILHG
DRYFHPHLSFWMRELHILAYKQFLDSYQSVTLKAMADAFGVSIDFVDYHASRFIAAGR
LSAKIDKYGGVILTNRPD LKNAQYRETIQKGD LLLNRIQKLARVVDL

>comp12150_c0_seq1; 245 631 1500 LEN=1824; translated
MVPLAKNKKDYAASDDTAVVESKVVLTGNIEMLSRMLDPNR TLLIETRLDADDGLHFDS
LSDIQETARALPVDKRGWQIICSNLHYEWRNNEVT LVSANKTKIESPGVLRVVKESICVT
PGYTLVRHREAPSF EFPEWPPMGHNVVTRDWPECKLVESEATAGVS NNGNATYDCWKRLG
YYP SAI RSRTITSAGMSRVDTIPGAKSKFENRSILFWKLVQRDFNIEPERAIFTSQYIHD
NLESVVLN DLKGCQTFGH SCKNSSKIKLEQLLAKHNQSKIDWNVDPQSA

>comp12151_c0_seq1; 233 193 588 LEN=866; translated
MKSLVLLPLLLATARA FGTSSRTPSSGRGATALFDGNGTGGWGIGGQRQITPEEYAKGDR
RYFDGYKMNEQGDFIKQIEEEKEALQNDAMDEFLGVARFAGLNVKDPSSKLNKFADAGFL
DDDDDDLDLSV

>comp12151_c0_seq2; 309 269 664 LEN=942; translated
MQSLVLLPLLLATARA FGTSSRTPSSGRGATALFDGNGTGGWGIGGQRQITPEEYAKGDR
RYFDGYKMNEQGDFIKQIEEEKEALQNDAMDEFLGVARFAGLNVKDPSSKLNKFADAGFL
DDDDDDLDLSV

>comp12152_c0_seq1; 1550 1 4753 LEN=4937; translated

PIFSFLTFLVPSVSVFVFGSSQQKTAKLKMAVANETMMDCLEPQGESAFFLADGSNPIEA
RSFGAPVSVSGEVVFNTGMVGYPEALTDPSYRGQILVLTYPVGNVGPDESIEDEYGLP
KFFESKEIHIAGLVSSYSWKHSHWAAQKSLATWLKENNI PGICGVDTRELTKNLRHGS
ILGRVEVKTSESDDDDFGRPSSPTMFEDPNKRNLVAEVSTKEVVVYGKGNPKIIAYDCGM
KFNIIRYLVDTHNVELTVVFPNYDLEANSNDNVEWEGFLFLSNGPGDPTMCPETVKSIIKYL
KLEPPKPIFGICLGSQLLSLAAGAKTYKLYGNRGMNQPCIDLRGTGRCYITPQNHGFAVD
SKSLPPLWKPLFLNANDLTNEGIVHTTKPFFSVQFHPEASGGPCDTAFLFEKFFVGETRGE
SQPLILQNGLSYERKTYKKVLLVGSGLSIGQAGEFDYSGSQCIKALKEEDIEVILINPN
IATVQTSQEKEEAARMADR VYFLPIRPNVMDIIRKEKPDGIIVSMGGQTALNVGVELWR
SGELQKAGVEILGTQIPVIEATEDREIFSDKLKEIGETIALSYSATDIPTAKEAANKIGY
PVLIRAAAYALGGLSGFAANDEELEAMAAKAFTTSDQILIDQDLRGWKELEYEVVRDND
NCITVCNMFDFPLGIHTGDSIVVAPSQTLTNREYFMLRRTALKVVRHLGIVGECNIQYA
LHPESERYCIEVNARLSRSSALASKATGYPLAYVATKLSLGKNLVQIKNSITKTTTACF
EPSLDYCVLKMPRWDLKFFNRVSNRLGSSMLSVGEVMAIGRTFEEVIQKACRMVNPNLG
LDGEDSKIVDSSADLEEKLRIPPTDERLFAVQLALERGSVEKIFGLTKIDPWFLSKLYNI
ASMRKACKHAGSLDELVKTNPRERLRKLMAGFSDRQIAMYVGLPETREGEQKVRDLRKK
FGVIPVVKQIDTLAAEFPAQTNLYMTYSGEKDDVDVTESSSEEHISPSYRSDILARSDSP
ALDSPSFMRRARTLSTGQTVKNLLTAKERGVIVLGCAYCIGSSVEFDWCAVSCIRQLRR
DGFKSIINYNPETVSTDYDESERLYFEELSLERVMDIYERENPVGVVSVGGQIPNNLS
GPLRDSGANILGTDANDIERAEDRFQFSKMLDNMNIQPEWSVLKSKQEAIDFSNKVGF
VLVRFPSFVLSGAAMRVASTESQLTNFLELAEDVSGDKPVVTKFVEGAKEIEFDVANRG
EILNYAIGEHLNAGVHSGDATVVLPAQKLYVTKIKHVCRYASSIAKALRITGPFNIQFM
AKGNQVQVIECNLRASRTFPFVSKTFNHNFIALATKAMTSMEVEPYKFSLLDIDYVCVKA
PMFSFTRLRGADPSLGVEMASTGEVACFGETQNEAFMQSLLSTTFKLPTNKHSILLSIAT
SEKRFEFAESLIALQKLGKYTYLGTPTGTSQYYKEKYNIDLKVVTKPAGESSDDGPGTALHE
IKEGNIDLVINISDGTGRKDELTAGYLIRRASVDFGTSLITNVKCAVELVTCLERGMDDK
DAFEPRHIGEYKIPSVGWTLTDQ

>comp12153_c0_seq1; 255 163 513 LEN=870; translated
MMISRRFLLLALVCLTTSTHGFIPTRKKSTERRAAFSKQSNNDVQDEAVENVPQTTQYE
PGASPTAMMAIPPAMAYAASLYEYEEEEEQDVSNEIALISCIISLAIGFGTYLV

>comp12154_c0_seq1; 350 348 1076 LEN=1117; translated
MNSIRVQYIINEIQKVQMAEDKSQNGIANSKASAPTSNKSTPPLAGLKALDVGCGGG
LLSESLARLGGDVTAVDPSLTLVEHAKEHAEMDPRTRSIRYRGGYTIEQLAQESSEPCYD
VICLLEVIEHVTDVDSILKAANSLKPNTRGRLFVSTMNRTIKSHVVAIVGAEYIMGYLPP
GTHDWNFEFRSPQVEEALMHRSGLQEVVDVQGMVITKPPFGQWHWKLDREDDINWIGTYK
LA

>comp12155_c0_seq1; 329 1 1105 LEN=1338; translated
XNDHKILHHLIQIYSKDEKYFPRALRLDLLLELYPAYDLQESLTRATFHKLGLRSLKQR
EKAWEKQKASQNPSTRSDSDGCSRELESAFRILDKMISHEWWFPNEDTFRILFPLAAFSD
NPAPGTERVLARLEACRFLSVLSPPKPRATLSASQQTARPGPSVSTSNRPFGLSLEASSHA
LTAWMNTASYNNTVPPGHPHPAERAWAILQALRTGSSEALLLDGADPASGHRHGFRRSP
GPTDALYTLALKVCSRIMDSPQSLEVAMDIFEAAAEDKMLLEGDICRVLLGVIMNFSSD
SDNLRVVEAAKR VHQALVELDPDYGAAPAVLGLKQTSYIRIRHPELYENHLAELKLL
EPEVSSPV

>comp12156_c0_seq1; 649 527 1999 LEN=2549; translated
METATATSDHNNALDTINTAMSNTDAQSVQSGATQPHSPSRITAITPLSLSPASHKAPT
KIQDNAIGKIDAIPCRSQQQKQHGDLSLGTILDQQQQQEALNLSYQQHRQSSNPFVSDDD
HTEPSSANTGENNVSMISANNNGAVGKGYTRSDMNI GATSTFGRLVKSAAKSINNRPNT
TTTDRKESVDEEGVIQGVLIYGYLQKLNKRWQTRWFETDGECLTYFKSSKRIKLLASL
DLAKVGSIIINKEDENGCGFTINIAKRPYHLRADSKTAMNDWVITLNRVKEARMQEGNVK
LVMPNPFQTNQPPIDLLDDQNF TTPRVVVVANRQRTHAVEDDFHSWEAIATMDDDDNHGMN
QNSTGGGS IARWQPKP TSIANLASKILRWARSIRQYHCSADAENQVIILDHNL SAEPSTV
TATKSGSTNQSPQNVVNAVPTADLLDTGGIDSRNNSVLRKGNQVQDSRGRKAIIVDDD
DDENGARFLS

>comp12157_c0_seq1; 508 181 1524 LEN=1683; translated
MMFRVAVMMIALVGSNGFHTPTPRHFRSVEVFTSTNDQDGPETFTEGLVAAGSSSLQSOLAS
AFSNLDESDQYDAVLTGLCAKILDEPSLSDGEVIVALQDSINLLEEMNSRRVSASSRSLM
ALVDAAAAAKDKTMAKIVSLSAKNGSVS QYGSLOREIIPLP TANTKVKCPDGTTKTRS
ERLAALADVPTDERGTEISSALAVTTVLGICWVAGVLDIEQITPFTSFLWVLIIVLVGTLD
NFYDLIKFGTNTFAKDVGEKLPKELPLGLGSGQLTGTTVKGFNRLIQVDTERECECEAAA

FFAAAYTLGLPCFSFRPNALEAAVMAAESSQPDNDLDPLLTNNGIMKILVWLMAPVAMENV
KHPQLIQSDPREADGFLSRLEKSSLIN EKDLWWLEEGPEEKEAMLKWAYAEADVLLQRQS
ATVTEITERLASGAATVGDVAAIENY

>comp12157_c0_seq2; 423 186 1127 LEN=1286; translated
MAKIVSLSAKNGSVSYGSLQREIIPLPTTANTKVKCPDGTTKTRSERLAALADVPTDER
GTEISSALAVTTVLGICWVAGVLDIEQITPFTSFLWVLIIVLVGTLDNFYDLIKFGTNTFA
KDVGEKLPKELPLGLGSGQLTGTTVKGFNRLIQVDTERECECEAAAFFAAAYTLGLPCFSF
RPNALEAAVMAAESSQPDNDLDPLLTNNGIMKILVWLMAPVAMENVKHPQLIQSDPREAD
GFLSRLEKSSLIN EKDLWWLEEGPEEKEAMLKWAYAEADVLLQRQSATVTEITERLASGA
ATVGDVAAIENY

>comp12158_c0_seq1; 1603 532 4608 LEN=5176; translated
MDKIDGENTPTNTTTDTTMSNSDELNGKSSSSAKENGEVKKESQDTKVVDKDVEMKDASAA
DKSKDVKVEESSSSNNSSSATTPASNGAAAAPAPSLPVLRGTL SYNSEPRQHILIRGMWN
FENSNAFPQKFELVRNLPDDEDTLTTLPKDGFEFNGSFTLAYFHHTTSK GKQKERSRVIAE
SGVKIKFTKIEEKESDEK GSEEYKVDGTGANQFGIFHINGTAKPTKHGDGQYQIELRKRY
DAQATAAAGASTTGSATGGAKKSKKQKKN SMKGGSSNFDES DP SKLPPPSVSYDKNV VCL
RGKLTRGTDGEHDGLLDPLLVSSDNL I HKISGMWSSGLDLMVSDPENIRGLCNKFEYEHK
SSNPNASFPVSGRYSGWFNLDNEQGGKTKINEKDITLRFKNNAGYHNVEGKGSNAFGKY
TITGTLTKDNIVTIFRHFIPKTKASLASSSGSASSRLLVTSAPPPLNAPGQPRTASPHY
GSAGAAPATKQLSLTDVDIPGDDDGTLAEPLKPLEHTTYS AVSRGVL RVNEDGSHACKGK
WAMTREHFSSGQTSNFTVRLEAHHAEEAIKNSESTTSGR LFPVDS DKYKGSFQLKKGGS
YETI IDTQVVMKFRONTAGTFNVY GKG VNSIGIFNL TGTLIASGKTGGQVELYRVYPPEL
LSSVQTTAPSKTKGKSTGLPAGSNLPPALAAKNFGNMGAQGGNSYSTMMPGPPRGGAGN
NGATYGSMSRRESTRVVKVPSRLEDEDPAQFSRIMDKCNVLLRI IREKDVEMGAFFSEP
VDP IALNIPTYHQVIKEPMDLRTL NKKMEANEVKSPEEFARLCRLIFENAVMFNVDP SHS
VHQAAARNLLILFNQKYRDVERQVANLRRVGIQEDGKSKKGDKKRKRGGTGVGGQGSEET
KSMKRRRLDEAHMALANSQAMTSLIGAAPHSSTDNVTRKEFNIMLGMIQKLQHQQVQ
TYTALAE LSSDDPGSGVRRSLYDGVDSAGATSSSSKRGGAGGNKKKAKKTEQPKPTEK
RKPQPEPAIVEDDSTPLTLAEQEF LTTT IPEIHPDNMLGLIQI IREAAKLTGEEEE IDME
IDQFDTSTQRKLWNYVTKFHKPKRQKQA AKKTKAPSQASKKAAQGRKAQTAKEQSPAAT
PVAPAEKPKSDSFFSFGNEEDSDSESEGEIGEDEEQTEAQSGAQDTSKDFQLAGLGGDD
DEDEDKDDADSDHGATSWNISKLEETEKKDGDVDDDWGAAREKAVAATAREEDKKKRE
EKLKAEAEQQKERNLAKAVAHGEEIKALRQAEIEEEARLQEENERQAE EERQKVRE EERR
RTQSVEQTVDFAEREIMQOLEQNYEVGGASPS SDFGF

>comp12159_c0_seq1; 303 210 1331 LEN=1700; translated
MPYSSADGHVVANKNNNTNSVSKRLHHKYYTKSQTSP LVRVAMIASTLAVVAGRAVAFSS
NNARSTFLRRHSNISRQWATKGLCFDAPRYTRGLFMAAMTEADEAADIDIDRTWNLGG LR
KEVTRLTLRCHKKTGKANQRLQKAQDEVERLTGSDDVSMEELEKCPNLDELEAQVEELRT
RLAQLNQL EELLADVKGKNVVLPEEIASLAIALEVNDEPPKRQERGP KKKK GPRVMNSFR
LPYRRFYTANKTEIRVGKQAEDNDELSIKPEHRDGADWWMHASGCPGSHVVIRCHDQNLN
DEVVMDAAAALAAARQSKCSGGVIKVS LTRARDVKKPPGAKAGLVMLTGNVRTVSVNMKQAQ
ERLDRLDKTVLVN

>comp12160_c0_seq1; 681 392 1786 LEN=1999; translated
MSFSDLGRQAISAFSSPPAAIRGSSRRRKSEGS DVGRFDKHKHHPPTASRRQSDGGAV
VVSQRDWKTSRGVPRLDHLQCPVTQKNLLGHDQGNDA SLASTSISATSTATHDDDDDE
YYSSNETESASSIDRHRRTMARDSE RERSRRLPNHYRHGSGEKTSLSGAKQPRQSSSS
SLSTEIARFQKMVADLESASRAPAVASSPEAMWKSRI LLRSARDAEADLERKLLGDKAQQ
NHRPGQQALPQTVVAARNNKLARDFRASQQFRSVLQAMELQQR AEVSVLTSSAAAAAG
DPDGTSTGPTAKAQKLEEDFFDRAMRERNEEVQKISTSMRKVNEIYQDLAGLVDGQQEQI
DKLEDLNEEVKADTRAGLEEIQHGMWKLCAADHTSVFNSSSSNNNSTLQQQFQGGPHNLG
GQQAFGLQGGQIDSAPSSGGWPNQAGAGGWSGTAAQSGGWQGN

>comp12160_c1_seq1; 420 1 827 LEN=976; translated
XSSSSNNKDNGRHSLIDLSDDAPLEEGPPPPLDPSDLLTCMMCHHHGGTTTASSPSQH G
KRSRFDPGASSSSVWKASLQLPSNFESVQESAQDAYQRGHAMVGGIVEQVHEVVANSNLP
SSPVALQLREVRNRMYCTPQPQDYNNDYCD DDDND DGI EDGDGKGHEANRDWTTSDDG P
DENNIGKHYFQIEETSNSPSRRRS GNPVRDEDYPRHDQQQKQHRHGRHSKTRHSSSKQ
VSPEFHKSQYDDYGQERQRDRKTSRSPRVR

>comp12161_c0_seq1; 755 152 2245 LEN=2273; translated
MASRFVWPATQLLSLICIIIGVSESFVPTSTIRGGRI VSSKLLQLPDLPLSVVRSRNQFI
LRSANKEEIDDEAVDTEASDADEPSATTDQKKKAKKEEWNTSLFPAKMFYPPPEVTIEDG

GVSSDSTDGRTTGFRAGTKKLI RQLSSKKTKNISPSEVYDERKFRLQIRIQGLAAMVGL
LAGVAVSGFKMGIETVKEVCYTHGIPGLTSGPLVSFVPIFAITTLGGIAVAILASLGSFP
PGVRGEIDEVDDASLAFFDELHYQDEDDSVSEDTWEKKMERFNPLYAFGFVRKAFASIFT
LGTGCSLGPPEGPSVEVAMAMSRVCMFLFPETTNVGGLTEDNLDGNSSNAVSYKYSKEDV
QARVRNRLLLLSCGAAAGVSAGFNAPLAGVFFALEVVQAALPSYTI PQLP SGVANDDSSK
IIELEQESLSAEPSSITAILIASVVSGLLARVLLGNELALSVISYEIKTPLLELPLYLLL
GAMSGLVAVTFSQSAKLAKRTFDGEAGPGPVKEAFGSLPSFSRPILGALTCGIVSIFRPE
VLFFGYETLNGLLSNNTIPTLTLTLLGAKIFTTAVSAGSGLVGGTFAPSLFLGGMCGAS
FHNIVASIFQAFDSAGVGS SHVFFPGIVFQLADVPAYAMVGAASTLAALFRAPLTASLLL
FELTRNYDILIPLLASAGVGSLSVSDIVESKLEARNYK

>comp12162_c0_seq1; 286 1 1405 LEN=1685; translated
XSYKRGIVFAVRTAQHNQQHTSIQHTVRI IAVTMIPARSLGFAMAARIAVFFVLVSTHLVG
VVIAGSSNRGMGPWGVSVVGPNNRYESISSRSLWNPAPNGRTTTSKEIGIRKNPELSSPML
LHGVRGGYESSRSTNPSSTFVRVVGTTIAQALISAGRIVLPTLAGALVAIKFYR
ALPIDAITAQIGLVYCFLLGGYYPTFFSTLQAARYCGLDVMLEAVGQLTDEAIKVVDIEIER
TDFWDDVDREPTAREVFLRKANIVLKTVPVRINQATAALYTTWLGVSTVLRREYARTIS
LSLTLADGLERAAEVVLVPALNVLTSPDYRKWVPAVIGWSAKAAAMRLVWRIERILTAST
SALAGGAMF SRSVSMVRKHREKKT LAIENKPHNSSEYDEEEDSEDEYEPPIGENVVG
AVGGLGFYTQMECQYKKA FSEVFPPLSLVTWPFDLAERWIQWYITSY

>comp12163_c0_seq1; 818 83 2431 LEN=2549; translated
MSLATSGGIGAGAGAVSMASAHAGAVAMPVQPTPPPASDIPLGTTAAPANLSALGAD
LVDKSQQLSLRQAKDLAEMP IVAIDLYSNEPIVASFPKVKDGPDELMPELVGRMNNKV
AMKTSEAAHKTFRKWLSKSKGYEDLQADVFTKLDDKSAVVVQSPELWMGLRRLEKGPDYL
KKMVCDDSNTPAFAEASQGVGMTLANGTLDGVSPEGDDFDRVVCKVRLHESK KALT
PEEILQLLL NQAQYHVS RKANAEEMENIISYPCAIPVPAPYCNDQSVEAILDATNGTGM
IFQRSVCALAGALLPGTEQKPNMVMQEIDTILQERKKAYQLEQIKNPDATFNDSTLLLLLT
GVTKDTTECTAIEMSSKGTGKYACPYGNFKVICSVSYRHEKPE SILNKCF AELFETLDHV
APEAPTPIGMVSYGSTSEQKNIQVKWDLKKGLETWEEIPHFSTKLDCVASGAALLAGVS
HGRLVNFVQLPNKKKPKPQMALQTMNVAPVAVGVM TNYHAGKAGKWNPVKTI FDFDRRVP
AGPYSLELSAAECAIRREGKVS DKDEEKFYKAVKDKEAAKHIPEREQAALNRLQIVQKF
TRDGEWISIGDVMSPLVILEKDEEKTACEKVSLELSLGVSLITQTLVGDRQSVVQATKS
ARMSAIQWYIGVAFAILFFGGFLFKSWNDERILERDTRRL LAYYKHVLP GSMLDGDENNA
RYVAYKYRNKKEKLWRGLEKKYDIPVLQED EWEGWSENGDEDEDHEDLDTNEDTDEKEQ
EL

>comp12164_c0_seq2; 416 366 1394 LEN=1861; translated
MTAPTRTRMSLSAVATVACLWFFAVVVEAGIATMGLQRDKMPVGIDDVLHSFERARKLQE
VEMQEF LVDQGEKEEDHMHEHDHEHEGLEEGDHEHDQSEIVSIQLDGLFAATPDVNAVVE
QMDGNATTTESNTTFVDANIT TADDGDLEADGSDFFEVNEEMEILDEANQQIALETVVTE
ARLDDEAASSIVVGTIT TGPGRGREDAAPNLEPTEISFMIMMEEF RYSNGAETIEQISIG
TKFGFSGRIVTKAEELGVASGTCTVTS DIKKELSYCEIYHKIETDNFGGYGSVMVAGTAD
EVGGRFLVTGTGGSLQSTNQGYAMFQFDPAGNPVVYVLLKLF

>comp12165_c0_seq1; 376 276 1561 LEN=2735; minus strand; translated
MNPEHITGTVA AEVIGNNANCSG SVCMMSLSNHHEKTTGIDDSSCYLGN SKNRANEDHR
AVITEVKENDDK EGQYPPKTKGMK KHRVSGTDAMMEKTNKVASSLKDAMEELDRIWDVDD
DDNSCASSLSSFDDEDHEKQMQNVESLPSSPSRNRVRQTAALLVRVFSNELYDPAVQALAE
HEELRSEAINLTHQLEISQREVKRLKGSELRSKESI QVSIVSDVVLIRFASQSIISQRFF
VFSHSNYXIHFNHRKTNNNECSQNL LKAVDRSTEEAKDSSQAKLVEAKLRADLLQTRKER
DDLHHESMVSKRSLELVTNEANSLKQEK SRLQKENIRLEREARSARVLAESLSR SKNANL
NNGNDEHNAEFYKRKTRDLETHLQGMTARLA EKNQELMELRHCRDRNLSQNRLEALRADK
ILETRMLL

>comp12165_c0_seq2; 387 276 1576 LEN=1665; minus strand; translated
MNPEHITGTVA AEVIGNNANCSG SVCMMSLSNHHEKTTGIDDSSCYLGN SKNRANEDHR
AVITEVKENDDK EGQYPPKTKGMK KHRVSGTDAMMEKTNKVASSLKDAMEELDRIWDVDD
DDNSCASSLSSFDDEDHEKQMQNVESLPSSPSRNRVRQTAALLVRVFSNELYDPAVQALAE
HEELRSEAINLTHQLEISQREVKRLKGSELRSKESI QVSIVSDVVLIRFASQSIISQRFF
VFSHSNYXIHFNHRKTNNNECSQNL LKAVDRSTEEAKDSSQAKLVEAKLRADLLQTRKER
DDLHHESMVSKRSLELVTNEANSLKQEK SRLQKENIRLEREARSARVLAESLSR SKNANL
NNGNDEHNAEFYKRKTRDLETHLQGMTARLA EKNQELMELRHCRDRNLSQNRLEALRAGK
KISNKKIRVSNAR

>comp12165_c0_seq3; 376 276 1561 LEN=2613; minus strand; translated

MNPEHITGTVAAEVIGNNANCSGSVCMMSLSNHHEKTTGIDDSSCYLGNSKKNRANEDHR
AVITEVKENDDKEGQYPPKTKGMKHRVSGTDAMMEKTNKVASSLKDAMEELDRIWDVDD
DDNSCASSLSSFDEDEHEKMQQNVESLPSSPSRNRVRQTAALLVRVFSNELYDPAVQALAE
HEELRSEAINLTHQLEISQREVKRLKGSELRSKESIQVSIIVSDVVLIRFASQSIISQRF
VFSHSNYXIHFNHRKTNNECSQNLKAVDRSTEEAKDSSQAKLVEAKLRADLLQTRKER
DDLHHESMVSKRSLELVTNEANSLKQEKSRLOKENIRLEREARSARVLAESLSRSKKNANL
NNGNDEHNAEFYKRKTRDLETHLQGMTARLAEKNQELMELRHCRDRNLSQNRLEALRADK
ILETRML

>comp12165_c0_seq4; 376 276 1561 LEN=2523; minus strand; translated
MNPEHITGTVAAEVIGNNANCSGSVCMMSLSNHHEKTTGIDDSSCYLGNSKKNRANEDHR
AVITEVKENDDKEGQYPPKTKGMKHRVSGTDAMMEKTNKVASSLKDAMEELDRIWDVDD
DDNSCASSLSSFDEDEHEKMQQNVESLPSSPSRNRVRQTAALLVRVFSNELYDPAVQALAE
HEELRSEAINLTHQLEISQREVKRLKGSELRSKESIQVSIIVSDVVLIRFASQSIISQRF
VFSHSNYXIHFNHRKTNNECSQNLKAVDRSTEEAKDSSQAKLVEAKLRADLLQTRKER
DDLHHESMVSKRSLELVTNEANSLKQEKSRLOKENIRLEREARSARVLAESLSRSKKNANL
NNGNDEHNAEFYKRKTRDLETHLQGMTARLAEKNQELMELRHCRDRNLSQNRLEALRADK
ILETRML

>comp12165_c0_seq5; 250 273 956 LEN=1187; minus strand; translated
MRGSRCSITTFIVFQESTVDHNKYSDGSGKGRSIGRCSAILNWSIGI IKRSIKLVGIA
SIMFGLFWLRIICSSLASVVDNTEPLKIKASSIDSSASTNSPYVKLCYQSQEKEDKKD
DDWNEEDYIKRMNKLSSHNTVTSVPNYPKNIAVIHHSRKSRSKAPETRVQIRKRVARQ
MEEEANQTAPFLKAPPLKKKNETKKQMRARVARQMEEEAANRQKKS
V

>comp12165_c0_seq7; 376 276 1561 LEN=2401; minus strand; translated
MNPEHITGTVAAEVIGNNANCSGSVCMMSLSNHHEKTTGIDDSSCYLGNSKKNRANEDHR
AVITEVKENDDKEGQYPPKTKGMKHRVSGTDAMMEKTNKVASSLKDAMEELDRIWDVDD
DDNSCASSLSSFDEDEHEKMQQNVESLPSSPSRNRVRQTAALLVRVFSNELYDPAVQALAE
HEELRSEAINLTHQLEISQREVKRLKGSELRSKESIQVSIIVSDVVLIRFASQSIISQRF
VFSHSNYXIHFNHRKTNNECSQNLKAVDRSTEEAKDSSQAKLVEAKLRADLLQTRKER
DDLHHESMVSKRSLELVTNEANSLKQEKSRLOKENIRLEREARSARVLAESLSRSKKNANL
NNGNDEHNAEFYKRKTRDLETHLQGMTARLAEKNQELMELRHCRDRNLSQNRLEALRADK
ILETRML

>comp12166_c0_seq1; 189 1 685 LEN=785; translated
XLI IHRVTGTSCLTRSDTVSGNKHPSRRHNIAAGKRKLENGSETDIPQPHPSIHPKMVN
IIAPYEEDETSGNKPSASLSGTSKPTLPAESKRRSKKEAVFNGRTQGPKFGLLQWQRL
VRSRKPNTNFRKDIPWEEISRHNKVHGDGMMVNLGIVYDIGPYLPYHPGGIDIFTKTNLLG
ADGTFKAFKHPVWSIEGFIGTLAIGTVAADIPPSLEEDEENSHSDGG

>comp12167_c0_seq1; 350 1 1273 LEN=2403; translated
XIGREIGKEKKIAGHEKDRSGDRNRCQSATRTNDYRNTSIKRRSSLAKKRXAMNEPRRES
GAAGVDDLNLSSLLHILVHSGYVGTDLGRLSATNSAVNRVNDGNIWASVYKQMYQNYE
MTHVIPKEVIDKREYRWLVRKFLKNAVSEAPPVPLLPAPHTEDDLVLFGELSYNPDKNN
SAAHKVERRFSITGETLRPLLDGMLDTTFSKPIVVGDAEIRRLNSIQLMQYPDRVLVVP
AACHLKSIELRVLLRLRDMKSCCVYEPNNTERNFDAYPMLKPLDRAMDLTDFRNLTIK
LDFQTDIIPGCINLFDGAAAYHSPERDFETKGLPLQESATANSITIRFPYLFSSIIASATVS
VSLDKKILITGCSLEARKTPLDDDWWSPMFYEEESVGIKSKTFPNNGVTVGHILSEMYCPD
DSDE

>comp12168_c0_seq1; 314 155 772 LEN=881; translated
MGKRQCVGFDKFGCLTTLPSPDGGNGVLGGDGPNGDGVWPVGFTKNAVALLRETLNAF
LQSVGEELAEVDSPISEPDVVRAIGSIDCGGDSPEGSNPTGGAGALVLEEIVSRARDLL
VLQAEQQRREEGEKAADCDCGNVRPPGGPRTDAGAAPGKTRKRPKRPRITAEMAEQER
LLKASKRALDEAQQGGGRDAFRVELS

>comp12170_c0_seq1; 276 368 1636 LEN=1820; translated
MRETFKELMIARPPTRDEEKQSILKHIFVKASSRSTTLHLDDLWKRIQRQSQMHRDGTK
FILRQFLRENAQTRNFVRMONTLRGMKNEQSSVKQELNKQREVAESYKCELLVAREKIS
EKDRQLAHFRKIFESRTPQSPSSIVSGSRGRRSIGSSGQESSLLLGHDRYIAPRRPRRV
SDQYDRGTTTTGVENLQRSSSQHDYRRAGQYTPPNPYEQVGSRTSGSII PPPPINPN
KRSSEALSQQSPNRPVNNNNFAVRNPYQKTMGPSAPYHSHPSDSTGHHSAMTLSQPPL
HRQRYSTGSSGESVSSRRSNGSGGGRIRNITAATGYFFSGGAPAPSVDAGRKRPLSPG
GAFSGNRGSGSYRPNSCYRQQHRASGGPPSYHQRRYQDEQPQFLPRPRSQSQSGERDGY
RR

>comp12171_c0_seq1; 797 158 1417 LEN=1615; translated

MPPSSSMSCPYNGWVGTLATFAAGGLAAAAYFHHKLLASKATDFPATVGTKTSSEPTPID
YPEYDYKNDPKGSFTKICDLLIEEILQDLPANYELPKRETEWLRKMLEHTVKGKMNRL
MVVESGVAIIGESKITNEKLCQLAVLGWAI EWLQAWLLVADDIMDSSVTRRGQPCWYKTL
GDAWYIAINDAVTIEAFCFKILKRHFHGDGLQLKLVLDLMMETTLQTELGQLSDTLCDVL
TLKDLTPERWGLIVKYKTSFYFSYLSVAFAMTLAGVRDQAAAYDAARDILIEMGVYFQAQD
DFLDCYATPEVLGKIGTDIADKKCGWLF TKAYHELASDEQKAFLEHYGKCEVGSPEELK
IKELYTELGLKETIATYEQNSYDKIMAMKNSAAGETLKAAGVPWTVFEKFLAKVYKRSH
>comp12172_c0_seq1; 332 160 1254 LEN=1594; translated
MSPFKPHWDLYPKSYVAPKTSFPLIDHLDGDLTKDVWKNVSFSDVFD DIRGSVDAPSEDR
PNSNCRTRFKAMWDNSHLYIGAVLESDFETQAHFTERNSPIYQKSDFEVFDVDFGSGHN
YKELEVNPINTVWNLMLDRPYDDDGHEFSGRIAKPGDDRYEVSHQKTATKLLLEGLNDS
NGSATWSVEVALSFEDLLAHTDASQKGVIPGVDSALRINF SRVEKQGAINWTWQPQVVD
PPNQRYSGFVAMHLPDAWGYMVFGEELMTPPGNGDDTRPKSNTLEPATPRIQRDP SWPA
RVAAMNVYYAQRHYFNQNDKNYATSIDSLEGFVDDLI VTPFQITIKSTPGGYKATVRGGK
HYVWV
>comp12172_c0_seq2; 378 160 1323 LEN=1764; translated
MSPFKPHWDLYPKSYVAPKTSFPLIDHLDGDLTKDVWKNVSFSDVFD DIRGSVDAPSEDR
PNSNCRTRFKAMWDNSHLYIGAVLESDFETQAHFTERNSPIYQKSDFEVFDVDFGSGHN
YKELEVNPINTVWNLMLDRPYDDDGHEFSGRIAKPGDDRYEVSHQKTATKLLLEGLNDS
NGSATWSVEVALSFEDLLAHTDASQKGVIPGVDSALRINF SRVEKQGAINWTWQPQVVD
PPNQRYSGFVAMHLPDAWGYMVFGEELMTPPGNGDDTRPKSNTLEPATPRIQRDP SWPA
RVAAMNVYYAQRHYFNQNDKNYATSIDSLEGFVDDLI VTPFQITIKSTPGGYKATVRGGK
HYGKDVVITNNRFLQVVDPSGKRVDTA
>comp12173_c0_seq1; 378 414 1244 LEN=1704; translated
MGGADADVDMNAGASEERNGNHTTDKSAGANPFQGTHPVAVPKSLSPLRQAMAQRRRHPH
KHNHKHSPKKEGKNKHKHKPPHVGGRVGGRRQRRLWQLPESSII EYTKWIQDKPEADRT
SEERFLWKCMI RSLGVVFPFGKEKANNGRNGGRKHRQERIREFVDRLETKEPAERTANEEL
FVKMYHKRRSQRKAARKAQRKQHQQQASAEPVALSWMRNGSSNSACASETSKNRPNGSDN
GSKKGLEPMASLESRESMMKMLSSDKLQVRFAD
>comp12174_c0_seq1; 375 156 870 LEN=1959; minus strand; translated
MYWYIQLNVDGQQRSYKNKLSLEEGQRRDMKHHDLQSGDMLIPLPPYYVPLRPSSSSSQ
LWCGPQGFREIVDLFVPVYNKFTVNNNDNDIVEVPCYPSGKPKGKKREADAVCAIRLVLYW
FRTRGSVARSMGMAFGLTSTVMYKWLKFSWRVMLVALHKKHPDAMVSVPTNEEV DKYVKAI
GDKYPQLGEQHVWGAVDALKQVIEASGDWYKQRSFYNAWKENTYINSVFAFAPDGR IW
>comp12174_c0_seq2; 375 156 870 LEN=2047; minus strand; translated
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LWCGPQGFREIVDLFVPVYNKFTVNNNDNDIVEVPCYPSGKPKGKKREADAVCAIRLVLYW
FRTRGSVARSMGMAFGLTSTVMYKWLKFSWRVMLVALHKKHPDAMVSVPTNEEV DKYVKAI
GDKYPQLGEQHVWGAVDALKQVIEASGDWYKQRSFYNAWKENTYINSVFAFAPDGR IW
>comp12174_c0_seq3; 726 46 3294 LEN=4579; translated
MVAFDRPVGASPDAKEIEYICALHQSGETVRS DGSIRAEDIQVYLC SRFGIDVGLDEVRO
TILRGMGSSNEDEVLDLMEVTAILLIPLLLKAAAYVEGSYNDDFGAFNNKGNDESETPSV
ASAAADNCSTIPLPQGILSPPADLLKVCADIILHDVLVGCRKDSGAETEAITTDFIRN IL
LMYGEDELAADQTLLEEMVEACRFESIEGRVCHDEETANKSNACATNTAFDAKAFGRGLT
SDVRLYDLRNETRQSSIMEDIYFHNRI RFEDAHDGDDTTRIPKNEKSIKNLNASLLVKRR
GSITAKNTIGDPTKIVPSSLEVDTD TGVEETLPSMMNIHEVKRIY TAPAIDILAGTYRSK
VLIVCLWCATVFGFLSLTWIRNPLGIDRIDAKCNELYGEQGSITANAFGMFCHAGASVLN
WLF CFAMFCVFGIS IIGMASVGNFNMEQPRWYLPFFGCVAI LLLVFPYLYLQPEYSTIRSD
SREKTYMPRYTALFLLCITLYLHLTHVVTI WFGIVDFGKRKIGRIMGFSALKQELQIKQ
SAAFKNLLATNAMDIHRCTSSPKVFLTRFGHGLSAYSLHGTRYVKAGGLFWCWQKFRDQ
TIFEEEGMFYSARLIASNL SQWFVSFFVLVVGSNFFVATVNNWKSADARAERS SFIGNYL
AKRLDAKWNSTTQKEALALVHAVVKS VNATGAFCDSSAIPDPSEICKLGIRGDWTCEEAN
NTTEALCSLLYNPALED TNPDLYGALLKSGGLEGAVSDFRNAV MASITSIGDSSLPVEQW
MVVVPLIVGIIVAFITSI RSLLYIPSVTTTTMIQLRTGVIPALGNPDFDKRLKPDNITL
LTGASFVWGC FVSAILSGAVVAFVFLVFWQETS YAAFRIIVLGVGFVIFMLIRALLGRCC
RVAFFNGLYRKKPAHANIAMLALEWANYFFTIFIIIVRMIKMI IATTASLGRIDRPFLAK
GRGRKLDKLPQVHTCDLLAHEAHRHPFVETLGLVYLMKFRYSESFCHRAGSAWRLIFVYA
LMPWLHKHRIRGIGQRDTTYQKEKNEPYMTVP SDGVSGNDGSAIDENSFRDRSGKTRMC
RI
>comp12174_c0_seq4; 681 46 3382 LEN=4667; translated

MVAFDRPVGASPAKEIEYICALHQSGETVRSDSIRAEDIQVYLCSRFGIDVGLDEVRO
TILRGMGSSNEDEVLDLMEVTAILLIPLLLKAAYVEGSYNDDFGAFNNKGNDESETPSV
ASAAADNCSTIPLPQGILSPPADLLKVCADIILHDVLVGCCKDSGAETEAITTDFIRNIL
LMYGEDELAADQTLLEEMVEACRFESIEGRVCHDEETANKSNACATNTAFDAKAFGRGLT
SDVRLYDLRNETRQSSIMEDIYFHNRIREFEDAHDGDDTTRIPKNEKSIKLNNASLLVKRR
GSITAKNTIGDPTKIVPSSLEVDTDTGVETTLPSSMNIHEVKRIYTAPAIDILAGTYRSK
VLIVCLWCATVFGFLSLTWIRNPLGIDRIDAKCNELYGEQGSITANAFGMFCHAGASVLN
WLF CFAMFCVFGISIIIGMASVGNFNMEQPRWYLPFFGCVAILLLVFPPLYLQPEYSTIRSD
SREKTYMPRYTALFLLCITLYLHLTHVVTIWFQIVDFGKRKIGRIMGFSALKQELQIKQ
SAAFKNLLLATNAMDIHRCTSSPKVFLTRFGHLSAYSLHGTRYVKAGGLFWCWQKFRDQ
TIFEEEGMFYSARLIASNL SQWFVSFFVLVVGSNFFVATVNNWKSADARAERSSFIGNYL
AKRLDAKWNSTTQKEALALVHAVKSVNATGAFCDSSAIPDPSEICKLGIRGDWTCEEA
NTTEALCSLLYNPALEDTNPDLYGALLKGSGLGAVSDFRNVAMASITSIGDSLLEVEQW
MVVPLIVGIIIVAFITSIRCSLLYIPSVTTTTMIQLRTGVIPALGNPDFDKCRLKPDNITL
LTGASFWGCFVSAILSGAVVAFLVFLVWQETSAAAFRIIVLGVGFVIFMLIRALLGRCC
RVAFFNGLYRKKPAHANIAMLALEWANYFFTIFIIIVAWYVLAARPEPFFISTQIDQLPQ
IYFVDFLQIKMIIATTASLGRIDRPFLAKGRGRKLDKLPQVHTCDLLAHEAHRHPFVETL
GLVYLMKFRYSESFCHRAGSAWRLIFVYALMPWLHKHRIRGIGQRDTTYQKEKNEPYMTV
PSDGVSGNDGSAIDENSFRDRSGKGTMCRI

>comp12175_c0_seq1; 300 1 800 LEN=846; translated
XQQQQQQRKKKVEWSSDLSPIGPQPVENRNTFWDPDSEGHMLNYFLDSNSPPFGPSHLSS
NTLSNPSRAAPGDRSMVSDRILQHPFHSGLQEASSMSSANSILRVRQGPSPLGPNKNHY
NLGHSQVHGEMDNDLRQPPPTPVIQHYFPSSSHKPHQNLQEIILGHLPKLLGII SVNRYN
TFPSTNNSIVNNNNNGNNNDNIGNNNRARKSGKKARRRDLQRRRELRRQREAAAMRVGLNG
GGDDPVDALAMQRIIEEQIAAENNG

>comp12176_c0_seq1; 226 523 1495 LEN=3839; translated
MKVREVAKNYQRWKDRRKEQYGKLSRYKSRRKVHYQRWNLTRNQVWIKIQKVLVEEYSK
KEWFDELGRPLTARDSTGRFVNPWQSQSTNGVHSLTTILRWRWQRFMRENISFLPTFKLP
TIQSGETNLISKPSPLLTHEVPPLPVADHSNLQFTWIGHSTSLFQIRKTFTILTDPIFSK
RASPFSTFLGVERELPPAYTIEELTNHKVNNGSDRDRNFVCCITHDHYDHMDTESVKNL
RDLISLWVVP CGIGNWLAETCSIRRSKIIIELEWWEQLHLAKHMGDVVVVHDHDSYDGD
DVLTIIPVARAAIGVDVRFSTETR

>comp12176_c0_seq2; 241 523 1461 LEN=3665; translated
MKVREVAKNYQRWKDRRKEQYGKLSRYKSRRKVHYQRWNLTRNQVWIKIQKVLVEEYSK
KEWFDELGRPLTARDSTGRFVNPWQSQSTNGVHSLTTILRWRWQRFMRENISFLPTFKLP
TIQSGETNLISKPSPLLTHEVPPLPVADHSNLQFTWIGHSTSLFQIRKTFTILTDPIFSK
RASPFSTFLGVERELPPAYTIEELTNHKVNNGSDRDRNFVCCITHDHYDHMDTESVKNL
RDLISLWVVP CGIGNWLAETCSIRRSKIIIELEWWEQLHLAKHMGDVVVVHDHDSYDGD
DVLTIITCCPSSHW

>comp12176_c0_seq3; 241 523 1461 LEN=3764; translated
MKVREVAKNYQRWKDRRKEQYGKLSRYKSRRKVHYQRWNLTRNQVWIKIQKVLVEEYSK
KEWFDELGRPLTARDSTGRFVNPWQSQSTNGVHSLTTILRWRWQRFMRENISFLPTFKLP
TIQSGETNLISKPSPLLTHEVPPLPVADHSNLQFTWIGHSTSLFQIRKTFTILTDPIFSK
RASPFSTFLGVERELPPAYTIEELTNHKVNNGSDRDRNFVCCITHDHYDHMDTESVKNL
RDLISLWVVP CGIGNWLAETCSIRRSKIIIELEWWEQLHLAKHMGDVVVVHDHDSYDGD
DVLTIITCCPSSHW

>comp12176_c0_seq4; 226 523 1495 LEN=3749; translated
MKVREVAKNYQRWKDRRKEQYGKLSRYKSRRKVHYQRWNLTRNQVWIKIQKVLVEEYSK
KEWFDELGRPLTARDSTGRFVNPWQSQSTNGVHSLTTILRWRWQRFMRENISFLPTFKLP
TIQSGETNLISKPSPLLTHEVPPLPVADHSNLQFTWIGHSTSLFQIRKTFTILTDPIFSK
RASPFSTFLGVERELPPAYTIEELTNHKVNNGSDRDRNFVCCITHDHYDHMDTESVKNL
RDLISLWVVP CGIGNWLAETCSIRRSKIIIELEWWEQLHLAKHMGDVVVVHDHDSYDGD
DVLTIIPVARAAIGVDVRFSTETR

>comp12177_c0_seq1; 221 1 909 LEN=1365; translated
RIFTTTRQDELSMTYLWSSNNSKIVTTLITCLHNCDKQTNQQIYQTEMAVLRKPPAVTK
SSRRKMKPRLPIRQLAIVCSVYLWLAYTITITIPGLKDRIVVSIKKRLNLLPEGILKNA
YAQAKPDSTGMDAFEYRRIPGLIAIDTTSVNNVHGNKEEDVLPQTVAFLPNKNGKLTR
EISTLHERTLKFRPQLQKYVQISDDGIIGIIPMGTFRLRMGSVEGTIEQSPELRIVSDDN
IDGGIDFVLGTFWMEHSARFGEDELYVSTTPVGDSNDAATEINRVMVPYLSMRSTRNNF
EL

>comp12178_c0_seq1; 586 1 1688 LEN=1837; translated
XRTGRFHGPERQTTLPGCVCLREASVPMALGITESTKVPPLFASRRKPTTRTRNQCNRTL
DPTAAPIDAAGTRPNRRGGWLRRLCPSPARLGVAVAVATAILATDTTAFRHAVPFSVSGGS
RGLFHKPGLARTTTTTTAAAAGTRPYPFSGISPFRLFFSRVDEGSADRKSYTSEAMRINP
NLRGCFVSGSDGMSNPLIVEQILELLPPGVQRRRSDPSSVNVLYIGTATYDLLSFRKR
QTKCFVDLGFVDSLVALADANPPPDRKCAASKLEAADVI VGGGNTLFAVDRWKQLGL
VPYFRKAMERQCVLTGGSAGAI CWFDSGHSADPD TYVEPMLRKFGE SHPRDNHQDESS
AYDEGNKKEWKYLRVPGLGFVPGKMICCPHHDRIQSNGLLRADDFDAMLLKRAASLSDRS
TSRDVVGIGIDHHAAFIVEGSRVYVSLPDEAGSVGSATGAETDSKARFAVRADGTAEGV
PGVWIKRAGGNSNDEDQPPRVKAAVCPSEGDLAELLGDIFSEDGLCDCEFDSEFDDDE
NRIALELCRRENPSATSSIESC

>comp12179_c0_seq1; 330 317 1777 LEN=2399; translated
MTTFWRVALVYGFLALFHGLGATRSCRILAVGASGGGSRRSRRRGFYFSLLSQRRHPPR
DPNPPPTIEDLEEQATNNNEVIDVVLQILGVNGGVVIDRYIPSRWLWNQWYASVFSNA
MSTTIRNMVASFGLCCLMRRRAIFGDWKVWKYPVSAVAAKAPTEALLRLLDVFGTLWNSL
LPLTTVVLALFVTQAYNFWISVYHLCRNIQGRMSDIELVLATSVGRKTNGVTHPNLFRPP
GRGIRRRREASSYTPSAEAFLEDTTHQLRAFHVLFWASQARRFRILLTDRGMSRLVAKGI
LTQREKELLDLQGVPKTQKHVILLESVALGCREARQTDKKTRRRRVVLEGGNGLEHCLLD
KICSLRTSCNQITNQIAGRMPLSYVQVQVVLVDFFLVPLAHYKGLGLWAVLSTGILSI
FYSGLLDLAYDFLDPLMDDKEYKSGKDGNDGDHCAVYFDLAVLIRESTAAHRWINAG
AKLGRR

>comp12180_c0_seq1; 492 88 1413 LEN=1725; translated
MKFLPLALAAVSTDALLTSPVKNGQKVQVLQRTRVTKDIKMPDPI PVEGQEAALMLMQ
TGRLYRYNTGPGEESA VICEKEICDYTGFKYCVGLNSCGSALMLLLKTTGLKPGGKVL
NAFTFGAVPSAIEHANGKAVYVESNKDHVMDVADLELKLKENPDCGHVLI SHMRGKLADM
DAVKDLCDKYDAILEDAAHSLGVFWQGEHSGHKGVACA ISSQSYKMINSGEGGFLTDD
PSIAAQ TATIAGAYEGLSVKHTTVPPPEAFKGLSVKHPNYSIRMSNLAAAVIRPQVGTLE
ERIEKYNRRYMYVVDKLESSSVGKHLVVKLTPGVTRMVHDSIQFNLGEIFTEEMTQDFI
DECGSHGLPVELFGHKSARNFVNWGFAPAEDPLPQTAEMLSRACDCRMPLMWEDEDFND
LANVIEESLEAVLAKNKMDAI

>comp12181_c0_seq1; 384 1 1483 LEN=1586; translated
TTTPKIRSFLSAFVFIKMSRPPMSRKTLASIQTNNGSGNENKNKNASDANS SDFHSLC
FNVNDFQVLARKRLPKDLYEY LASGSDDEQTLAENRKAFSRWFRLRPRVLRPVGNISTKT
LRFGTGRAKCEVAYPVSMVFVSPAGVHALCDKMGECATARACAKASILFGLSQHSTKSI
EEVAAATQSRAMPSSTLSPSLKFYQSYILNDRRQTINLIRRAIRAGYQGLFLTVD SVRFG
YREADARNGFNALPPPHRLVNYDEFDYN SDDINGADNDSKCSSRRL EQTYNSQEKKAW
DQNSEQMF EQNVSWEDVRWIKREL RNEQEKRMRQKPIPLVIK GILTAEDAVLAVQAGADA
ILLSNHGGRQLDGLSAIDVLP EVAHAIKTSGIPIWIDGGIRRGTDVLKALALGASAVGI
GKPIFFALGVGEEAVSHLLSLLQTEFEAAMAICGIERVEDIRSSHVTRHPYPTFIDPIF
DQVRQARQFSSN

>comp12182_c0_seq1; 453 446 1471 LEN=1724; translated
MGLFSSLDTKALVLGSA AIGLAPFFCFFFQIVFPKPQLLIVSISAGFFYLLAASAASLCW
YILDPTIGLSNVWAAIVPGVFFQFIFRCLFVTTYHKVENVIEASIEKSEEEEREHQQQAG
NDRSDDDENVQVAKNKL SLNDAACGIAAGVGFGLHAILMFGSLLASETYDAGVLYQPS
CPKVP SLMVSALNTFCFFFLDI FWMLFAFFGVRRRVLFPRGGGALSDINPLSRPFGHYFG
NTRTGGNQALLTILITHFCAAGFTTFNVFYGCIFSLTTLPLVLTIVVAYIFWSGVSKIYM
PLPHSNVRLSLPASYSYSGSHVGENGLGGDGLD TLERHRNDD

>comp12183_c0_seq1; 192 323 868 LEN=1503; translated
MRPLTEDETKTLFLK LSEYIGKNVEKMINRSDERYCFRLVKDRCYVSESIMKAATS IAR
DHL LHAGTCIGKFTKSGKFR LHVTALEYLAQYAKHKVWVKQSAEMSFLYGNHVNKQGLAR
MTESTPQYAGVVVFNMDIPMGFGVAAQSTEH CQSLDASGNVVLHQADIGDYLRGLEDDV
F

>comp12184_c0_seq1; 508 1 1199 LEN=1396; translated
XKSRTKTLPPKEHNNYFIMFSRLAVLALTCVLAQANVINHSNGDIPMNSKAGRKL VQNR
RAQNNYNYGNGQQQYGNNGEEVNWDEIDTAYLANYSVKFQGC HHVQQWNDNAADADDIKI
MTQRLVRFRCPAETCTSATTKGCD SNYGDYIIDMETYVNA YMSNIQNQYMNNGQNNGY
GNRKLDDR YNVNFEDYLQCSQMDMNNNQRARARQLRELNNQYSSGQYYQYQNDNDVQY
YVGPYCAQQGGEIRLGVFYDDTCTVAASEGPEIFKMMHNGMSLPYSESSMVSLQCMSCGM
YGEVNEMCESVYQDAGKCETKMSVYYPNESACSYLEGIK VIRDGDG VIRTSSSTRKSTAAAI
ATGVFLSAALLLSGYVYYLR TKLGRARINLAASSQNAGL

>comp12185_c0_seq2; 433 1 1067 LEN=1201; translated
XQVDLDSSSSSKWSGAFKSPKFDQFELRNHKLVGVDKNVHIPSFSESPKAFVLFEYL
RKPDDSGLDYELKWDLQIGNCNDASSTAGAEIPQDNLPSIWQVDDGDKVYYATEQSSGE
EIMLRPNAAKAGVQVGKVPFELVESGLHCLRIFYEHFGTVVSHLHYEITVTKEGFTTGV
VDVDSSSASIQAEVKEEVVVTAAVCGVDTSNFAGFKVQEFSCVQTEVGYVISSFKNVV
CENGAVTKILFHQDGTVDLLTSFDLNAKRFTSVVTTGLIEGDDNQFECTGSSVLEKARRD
LQASEENAEGFLFAVQIPIAARSDGVDALGIAAPGVASGPLALGTTGAIALAAALL
>comp12185_c0_seq3; 280 638 1276 LEN=1835; translated
MSYEFNWALNGDGVTPPKRSAFRINKPLDLKVAGLALPKTNPLKVKGKAI AEAGTEALS
ESFDQFCQEARQSLSDNLFCEPGEHVPGTHAGVRVISNSSALAPSLAYLDRCPKKSPP
DSMPITCFVLEGHAEFEFGYSIEEIEVPIAPEDGVSFVFDLGYQPKEAKSVATVVVVGKKP
ELAKVVAGIEASQKALAEDEIERAKSSEEKAE
>comp12185_c0_seq5; 323 155 967 LEN=1526; translated
MVFVSFFSKAALTTNSKVVGTTVVRALSSVAPAWEGGVPDSVSRVKGKTSAFPNEYPGMS
YEFNWALNGDGVTPPKRSAFRINKPLDLKVAGLALPKTNPLKVKGKAI AEAGTEALS
FDQFCQEARQSLSDNLFCEPGEHVPGTHAGVRVISNSSALAPSLAYLDRCPKKSPPDS
MPITCFVLEGHAEFEFGYSIEEIEVPIAPEDGVSFVFDLGYQPKEAKSVATVVVVGKKPEL
AKVVAGIEASQKALAEDEIERAKSSEEKAE
>comp12186_c0_seq1; 534 1 1941 LEN=2262; translated
HGSIDGKNRHNDVAPAAATTRKRTRTRTRMHSHTTCEDDGDEDHRSGSASGGGKSAWYPT
TLPHTRKGNVGHRLHRRRIIPLLAMGIVVLVNAACLRSFAPQSYDSVVEAGAEARAAPRG
RLFYCGYKFLVHEHVPFGEYFVGNKPWALEDSGSEDTDTNHNDILVVGLWGPSCNDDEG
DERTSFSGKILYVNGESHGNPVSNAWWEWEDNENGNNGGSSNSNSTDARHRLDKIFQLG
PYPVRQDDLSPKDRFYNEHSLGVFQMAVALLGNVYLPKLSVELDPADVNPFLLELKDEEE
SATPQKTNAVFSFDGLKQLAEGNGYGEYKPYERIPAAVYVSRNCVGFQRQSTAEALLAKTF
PGPNAGVQGGERDQSGDRHRGLLDGSEVPDNDFAGLHARAVALNRKNQSTGLLDDR IKQH
LQAI AERETSQDEVDPDSGVP HSKQEDTDSVDALSEHRRETDETSFLHYGGECTVDGGIPV
PEDALELEWRNNDRTSFRNTNYLTIYTRYKYCLVMENTLQEGYVTEKLLYGLLGGCLPIYY
GSREVYDIFRADS FVYLD PYNPETGLAEIERLEQNPDEYARRTDRSRPLLKAGKDGTTLD
TLDRYFSLLPDIDGTGKLCRELHERMGLPVPEGLAPEAPRTKSWVWW
>comp12187_c0_seq1; 365 753 2140 LEN=2282; translated
MLNGDFSFLKNSRDIAHKDQPIRDGNIHISAPHIYGSVLEALELKKDAGLSVLNAGSGTG
YFTCITASILGLQSIHYCVEIHEDVISHSREAI AAWRDTQSANQELSNIDIHGNALELD
INRGEALGFDR IYIGAAIEKENVHMFKRMLKPGGILVGPVGDDELVKIIRSLCDSSEGSQ
QFTTKVISGVRFAPLLNGPSMHTIIPARIWNPSTHTLYPDTFRGACNQLLLCSNASRIQP
VKICPPRKVNAASMLPKALWAEILSFTHRNFWDVPTNEVDFLHQRLQEEQANVERANEAK
REIESRLRHVERERDIYKILARTLRSHLHTSLLGGNSISDEAIEETAALLFDERESLSV
FSLGNTLRRMVQGINDEEMGDDGDDDFEFLEESDYDDDNMSETMDDVEGNSDEEDRSD
NESLSATSNYRNQNP SLAAAPVVSIVGAQIRKVSSEEDLPV
>comp12187_c0_seq2; 230 310 918 LEN=959; translated
MAWRSSGTTNDEMVDNLKRFRVITSPQVEAGFRNVERRLFPVKNSRDIAHKDQPIRDGNI
HISAPHIYGSVLEALELKKDAGLSVLNAGSGTGYFTCITASILGLQSIHYCVEIHEDVIS
HSREAI AAWRDTQSANQELSNIDIHGNALELDINRGEALGFDR IYIGAAIEKENVHMF
KRMLKPGGILVGPGLRMLR LIF
>comp12187_c0_seq3; 218 812 1381 LEN=1422; translated
MAYRNRISYFSNPLIFSSSCIYLFQSRPKNSRDIAHKDQPIRDGNIHISAPHIYGSVLE
ALELKKDAGLSVLNAGSGTGYFTCITASILGLQSIHYCVEIHEDVISHSREAI AAWRDTQ
SANQELSNIDIHGNALELDINRGEALGFDR IYIGAAIEKENVHMFKRMLKPGGILVGP
GKLRMLR LIF
>comp12187_c0_seq4; 140 753 1261 LEN=1302; translated
MLNGDFSFLKNSRDIAHKDQPIRDGNIHISAPHIYGSVLEALELKKDAGLSVLNAGSGTG
YFTCITASILGLQSIHYCVEIHEDVISHSREAI AAWRDTQSANQELSNIDIHGNALELD
INRGEALGFDR IYIGAAIEKENVHMFKRMLKPGGILVGPGLRMLR LIF
>comp12187_c0_seq5; 478 310 1917 LEN=2059; translated
MAWRSSGTTNDEMVDNLKRFRVITSPQVEAGFRNVERRLFPKVNQCPTPNSLFMAYRNR
SYFSNPLIFSSSCIYLFQSRPKNSRDIAHKDQPIRDGNIHISAPHIYGSVLEALELKKD
AGLSVLNAGSGTGYFTCITASILGLQSIHYCVEIHEDVISHSREAI AAWRDTQSANQELS
NIDIHGNALELDINRGEALGFDR IYIGAAIEKENVHMFKRMLKPGGILVGPVGDDELVK
IIRSLCDSSEGSQQFTTKVISGVRFAPLLNGPSMHTIIPARIWNPSTHTLYPDTFRGACN
QLLLCSNASRIQPVKICPPRKVNAASMLPKALWAEILSFTHRNFWDVPTNEVDFLHQRLQ

EEQANVERANEAKREIESRLRHVERERDIYKILARTLRSHLHTSLLGGNSISDEAIEETA
AALLFDERESLSVFLGNTLRRMVQGINDEEMGDDGDDDFEFLEEEESDYDDDNMSETMDD
VEGNSDEEDRSDDNESLSATS SNYRNQNPSLAAAPVVSIVGAQIRKVSVSEEDLPV
>comp12187_c0_seq6; 253 310 1038 LEN=1079; translated
MAWRSSGTTNDEMVDNLKRFRVITSPQVEAGFRNVERRLFPVKVNCQTPNSLPMAYRNRI
SYFSNPLIFSSSCIYLFQSRPKNSRDIAHKDQPIRDGNIHISAPHIYGSVLEALELKKD
AGLSVLNAGSGTGYFTCITASILGLQSIHYCVEIHEDVISHSREAIAAWRDTQSANQELS
NIDI IHGNALELDINRGEALGFDRYIGAAIEKENVHMFKRMLKPGGILVGPGLRMRL
IF
>comp12187_c0_seq7; 455 310 1797 LEN=1939; translated
MAWRSSGTTNDEMVDNLKRFRVITSPQVEAGFRNVERRLFPKNSRDIAHKDQPIRDGNI
HISAPHIYGSVLEALELKKDAGLSVLNAGSGTGYFTCITASILGLQSIHYCVEIHEDVIS
HSREAIAAWRDTQSANQELSNIDI IHGNALELDINRGEALGFDRYIGAAIEKENVHMF
KRMLKPGGILVGPVGDDELVKIIRSLCDSSEGSQQFTTKVISGVRFAPLLNGPSMHTIIPA
RIWNPSTHTLYPDTFRGACNQLLCSNASRIQPVKICPPRKVNAASMLPKALWAEILSFT
HRNWFVPTNEVDLHQLQEEQANVERANEAKREIESRLRHVERERDIYKILARTLRSH
LHTSLLGGNSISDEAIEETAALLFDERESLSVFLGNTLRRMVQGINDEEMGDDGDDDF
EFLEEEESDYDDDNMSETMDDVEGNSDEEDRSDDNESLSATS SNYRNQNPSLAAAPVVSIVG
AQIRKVSVSEEDLPV
>comp12187_c0_seq8; 443 812 2260 LEN=2402; translated
MAYRNRI SYFSNPLIFSSSCIYLFQSRPKNSRDIAHKDQPIRDGNIHISAPHIYGSVLE
ALELKKDAGLSVLNAGSGTGYFTCITASILGLQSIHYCVEIHEDVISHSREAIAAWRDTQ
SANQELSNIDI IHGNALELDINRGEALGFDRYIGAAIEKENVHMFKRMLKPGGILVGP
VGDDELVKIIRSLCDSSEGSQQFTTKVISGVRFAPLLNGPSMHTIIPARIWNPSTHTLYP
D TFRGACNQLLCSNASRIQPVKICPPRKVNAASMLPKALWAEILSFTHRNWFVPTNEVD
FLHQLQEEQANVERANEAKREIESRLRHVERERDIYKILARTLRSHLHTSLLGGNSISD
EAIEETAALLFDERESLSVFLGNTLRRMVQGINDEEMGDDGDDDFEFLEEEESDYDDDN
MSETMDDVEGNSDEEDRSDDNESLSATS SNYRNQNPSLAAAPVVSIVGAQIRKVSVSEEDL
PV
>comp12188_c0_seq1; 382 181 1203 LEN=1736; translated
MTSCHDSSSSLDQNDGRSIAKGGVTTFFPWKLHIMLDTMETGEKSIVCWQPHGRAFM
VHKPKDFVQEVMPHFFNQTKYASFQRQLNLYGFSRLTHGPDKGAYYHNCFVRGKRHLCKG
MIRQKIKGTKVRKSLSPEDPNFYTMSSTDIFISPGKVRQEKLENACQSSSVQSCNDAVH
TTTSSSSSEESPVSYSIAPLDPFQPKPNALSASKHSGRINAARKSNSSNCELLSNNIRP
LSTSRIVSPQHCONDQWDVLEEVKGGDLLFFEGQPFYRLEHFEEVPGNQLCTAKRVHYTQ
SCESANNTDGFQDRFSKLIFNMDSRAFDNDLLQKTSCP
>comp12188_c0_seq2; 334 521 1423 LEN=1956; translated
MDETGEKSIVCWQPHGRAFMVHKPKDFVQEVMPHFFNQTKYASFQRQLNLYGFSRLTHG
DKGAYYHNCFVRGKRHLCKGMIRQKIKGTKVRKSLSPEDPNFYTMSSTDIFISPGKVRQ
EKLENACQSSSVQSCNDAVHTTTSSSSSEESPVSYSIAPLDPFQPKPNALSASKHSGRI
NAARKSNSSNCELLSNNIRPLSTSRIVSPQHCONDQWDVLEEVKGGDLLFFEGQPFYRLE
HFEEVPGNQLCTAKRVHYTQSCESANNTDGFQDRFSKLIFNMDSRAFDNDLLQKTSCP
>comp12189_c0_seq1; 499 349 1800 LEN=1999; translated
MADQSPPIVVI IAGPTAAGKSDVAARICAQQRGMIISADSVQAYRGVQIGANKPSLEERK
ETPHILIDVADSSSENYNAEWRDAIFCIQSLGRCNQEQEDTATTPAADSNRRKEIEEY
IQEARIEKGYLSDKGEKEIEKILPVVCGGTMMYLQWLVRGRPDAMRPTPKAVEISYKTI
QEFQDNDNDYEGAVKHVASFQKFAERAQQLTNGDWYRLRRTLEIALTIEEEKKVADDS
DSSSRVANMVEQLYSGQREGDLASLGFVRCFFLCPDDRMSHTRVVDKRCEQMLMKGLLE
ETTELSLSGCLPEMAERAIGYRQTLDYLSRDHKQEGEEEGSKSKLTAEKEGFEFYLINE
FTTATRRYAKKQMSWFRKDKFEMFIPVSLKLDKPDVDAANA INQLCKLSREDYKEL
SGDKYLSGQTKRENAQQKTMKFYTPERHILIPGSKEYENVLTEAIQCRQRVRSNNKKR
NRE
>comp12190_c0_seq1; 209 371 1006 LEN=1224; translated
MRSYSLQSLCTTQTTLKAVYNALGGEANCVYLTHDHYYRDQSHKTLEERSKTNFDHPDS
LETPELLVKHLRELKEGGIAVLPTDYFKTHSRTPVTTLVHPKKIIIVEGILIFTNPEL
CSE LDMKVFVDADSDTRVLRIRRDIVERGTTESIITQYEAHVKPMHTEWVEPSK
LKADVII NSERGTSQKIAIDMLSNHLRVAADLEAPSSS
>comp12190_c0_seq2; 254 198 845 LEN=1063; translated
MAKPIVLGIAGGTGAGKTTLSKAVYNALGGEANCVYLTHDHYYRDQSHKTLEERSK
TNFDHPDSLETPELLVKHLRELKEGGIAVLPTDYFKTHSRTPVTTLVHPKKIIIVE
GILIFTNPE

LCSELDMKVFDADSDTRVLRRIIRDRTVERGRRTTESIIITQYEAHVKPMHTEWVPEPSKLKA
DVIINSERGTSQKIAIDMLSNHLRVAADLEAPSSS
>comp12190_c0_seq5; 191 87 389 LEN=607; translated
MAPYYFSFASTPTLHQDADSDTRVLRRIIRDRTVERGRRTTESIIITQYEAHVKPMHTEWVPE
SKLKADVIINSERGTSQKIAIDMLSNHLRVAADLEAPSSS
>comp12190_c0_seq6; 195 198 668 LEN=1204; translated
MAKPIVLGIAGGTGAGKTTLKAVYNALGGEANCVYLTHDHYYRDQSHKTLLEERSKTNFD
HPDSLETELLVKHLRELKEGGIAVLPTYDFKTHSRTPVTTLVHPKKIIIVEGILIFTNPE
LCSELDMKVFDADSDTRVLRRIIRDRTVERGRRTTES
>comp12190_c0_seq7; 150 371 829 LEN=1365; translated
MRSYSLQSLCTTQTTLKAVYNALGGEANCVYLTHDHYYRDQSHKTLLEERSKTNFDHPDS
LETELLVKHLRELKEGGIAVLPTYDFKTHSRTPVTTLVHPKKIIIVEGILIFTNPELCSE
LDMKVFDADSDTRVLRRIIRDRTVERGRRTTES
>comp12190_c0_seq8; 182 198 998 LEN=1216; translated
MAKPIVLGIAGGTGAGKTTLKAVYNALGGEANCVYLTHDHYYRDQSHKTLLEERSKTNFD
HPDSLETELLVKHLRELKEGGIAVLPTYDFKTHSRTPVTTLLEVSTFDTAKTDSRVVWLIDR
VWAQELTSDXLALPMPYPFWLTQRPPIRQRKQVHPKKIIIVEGILIFTNPELCSELDMKV
FVDADSDTRVLRRIIRDRTVERGRRTTESIIITQYEAHVKPMHTEWVPEPSKLKADVIINSER
TSQKIAIDMLSNHLRVAADLEAPSSS
>comp12190_c0_seq9; 192 764 1159 LEN=1377; translated
MPYPFWLTQRPPIRQRKQVHPKKIIIVEGILIFTNPELCSELDMKVFDADSDTRVLRRI
RDTVERGRRTTESIIITQYEAHVKPMHTEWVPEPSKLKADVIINSERGTSQKIAIDMLSNHL
VAADLEAPSSS
>comp12190_c0_seq10; 123 198 821 LEN=1357; translated
MAKPIVLGIAGGTGAGKTTLKAVYNALGGEANCVYLTHDHYYRDQSHKTLLEERSKTNFD
HPDSLETELLVKHLRELKEGGIAVLPTYDFKTHSRTPVTTLLEVSTFDTAKTDSRVVWLIDR
VWAQELTSDXLALPMPYPFWLTQRPPIRQRKQVHPKKIIIVEGILIFTNPELCSELDMKV
FVDADSDTRVLRRIIRDRTVERGRRTTES
>comp12191_c0_seq1; 650 1 1584 LEN=2148; translated
LPKPIVILKHQVMIMRGLCTALSASPMSMAMGSALSANPVLSLFGSNLENAENYNSTMI
GKPNLSLKKILPDLEPIGLKNLDSPIYDAMLEGIDSDKGGESTTMIKLDTDAVVHKVILG
ALPSKVSRRHNHPMSVHSLTKLAGSAKGNRNVILTD DFAIGPLASSVAKAFPLFSLKSNK
PAERKVDVAFCKSDGTFVDNSEQLKAQTVASGVQLAARLVDSHPPELLTTTQFAEEVESL
AKMNPKISFKQLVGDDELKSYGGLYGVGKAAVCPPRLVLELDYDGGGDETVALVGKGIYDT
GGLSLKPKVGMCGMKHDMGGAAGLVGGFFSAAELGVKKKVHCILCLAENAI GPTAFRND
ILSMYSKGTVEVNNCDAEGRLLVLDGVAHATKHIENLDLVDMATLTGAQLVATGKKHAG
ILSNDEDVEKRAMKCGMHSGDLCFPLLYAPELLMDEFKSEVADMKNVSKDRSNAQTSCAG
HFIESHLDES YEGGWLVDMAGPGTKGERATGYGVGLVLSLLDAPGF
>comp12192_c0_seq1; 729 757 3105 LEN=3519; minus strand; translated
MEEEQPLEANKGRDNDGDDGTASGSASEESASSGQACSGLLHPVTPERHSKRSTERPASP
ETPELVEGVFFFTSPGTPPELVEGVFFFAEENLPGPIPPRLVVEVAADPASCCTICSGKNIV
PLLPRNAPEKKGARRSAFRFGAWIVLASLVGFWSGRSASSFVKRQSLWMGTPLLPEESSM
DAMRMRQEHEHFARSPATLRERRARA AWETTRQRPEERERRKRFAEFVHVHPLLTRPVP
RSIALAVDSGSPAERDAGNEMARDLSEILVYDAIERATVVFVAGSDARRTHGGSQGS
ELLAGLLGASGRQDSDLDLCLYVDP CETNPWEHLRTSGAPAHHDVSI VLAGRWDDPASGD
RTCYHTRWEEDLYAATDGVAVKRVGKTYPLDHP SRKPRGGSGKGGTTNIDRIEHFFVDP
ELENHWSSPFAHVTDYDVFEAMGIATNLAVAFRSHRHGYPNWRSTEAGYKLAMKQRWRGG
RFQDGEHGVRYFDSAEMVRIQRPSKHS AVSSCEHYEDLIEGDLFQEDEEFYCLDGFDP
HYPNVPSRNFYVQSTVGANAGRVFAAVDLVTE SYIMLENAIHLVFSFPGGSGMVEQML
HRFCLPDRTERPGRKRAELDSFHCIVQIYADAYGYRNSWSGIEINSGIGTFINHCNGTS
NIGFDYELTEFDIVPDGHDPNPEAFDIPLEFKNGKSYNPNYDRHEGLEHIDATERPIEAH
EELLDNYIAMGGATYFLAQAVALKRQCSGTKGTVRTYERGTSTHRYDVMGSRYATDPDKG
RG
>comp12193_c0_seq1; 613 444 2777 LEN=2777; translated
MPNKITGEMGLQITFTQDEKYELALQYQEDRHRYRIHPNVFGPACMSNVRRMGGGGSGVA
VFCGKHSELGDIVMKHGGFDDMKELFALS KISTELKTRGGLPTNESSPASNAARSI IACL
PEFKMVYISPQHLEFKERALWGKLLKLIKFGNLVSKISNEKQPEGSFATLISKMKHADEN
ASHNSQTQTPKRPSLVSLDDSAFLSKGTSIRIYEGEHSDAEVYLDAKDRKQKPSLVFVVP
KKRIKTIHPTSIELECAPEFDPLQQIYDGLYPMMTKHLFKFTLAQKRIGGEWAKTGNQWL
YEGRLDGLLLTSLISGFVQTVHNLQLLTMPEEVEVVEQVRREVESIKSSDVEVKEISLLT

DQFMGNAIKKNFDPDKGRMRLLRSTCKKFLQHILHLEPEEQPARCMGILGEATASMSDV
FVGATTEPPRIHPNKDFWITLMTQAVSNRIDMSPNATKRIWTSGLTDAGIHNLFVSMDDL
YFFDLGVPQLHSLPGFMTKFLFSFFHTLGMQEDTNNSDIWVCRFVPQDDKLALTPETENL
LAGAYDAFXVSLDRIIDEIFDGDHHLRWLLQYVTLQLLSDASFCLQRWNMKGGRPRDD
NHNQGLEKWLWRALWDMYVAYDINSSEAWERFQVEHPSCEESRTSIGDDIRKSMARSMFG
SELLELQSDSLRCLIDTIDDEKEEEEEKDEINAESTRSRLRKRLSNPRHANPRQRRWTSE
SLEKSSLRQLTAATFDYHDDVPGVEHSDLDSSSYDDDDDDSSSLPADIELPEVMLCFSX
>comp12193_c0_seq2; 684 444 2827 LEN=3226; translated
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VFCGKHSLEGLDIVMKHGGFDDMKELFALSKISTELKTRGGLPTNESSPASNAARSIACL
PEFKMVYIS PQHLEFKERALWGKLLKLIKFGNLVSKI SNEKQPEGSFATLISKMKHADEN
ASHNSQTQTPKRPSLVSLDDSAFLSKGTSIRIYEGEHSDAEVYLDAKDRKQKPSLVFVVP
KKRIKTIHPTSIELECAPEFDPQQIYDGLYPMMTKHLFKFTLAQKRIGGEWAKTGNQWL
YEGRLDGLLLTSLISGFVQTVHNLQLLTMPEEVEVVEQVRREVESIKSSDVEVKEISLLT
DQFMGNAIKKNFDPDKGRMRLLRSTCKKFLQHILHLEPEEQPARCMGILGEATASMSDV
FVGATTEPPRIHPNKDFWITLMTQAVSNRIDMSPNATKRIWTSGLTDAGIHNLFVSMDDL
YFFDLGVPQLHSLPGFMTKFLFSFFHTLGMQEDTNNSDIWVCRFVPQDDKLALTPETENL
LAGAYDAFXVSLDRIIDEIFDGDHHLRWLLQYVTLQLLSDASFCLQRWNMKGGRPRDD
NHNQGLEKWLWRALWDMYVAYDINSSEAWERFQVEHPSCEESRTSIGDDIRKSMARSMFG
SELLELQSDSLRCLIDTIDDEKEEEEEKDEINAESTRSRLRKRLSNPRHANPRQRRWTSE
SLEKSSLRQLTAATFDYHDDVPGVEHSDLDSSSYDDDDDDSSSLPADIELPEKHNMTSVK
TYVSMDSVLEENEE
>comp12194_c1_seq1; 207 411 1567 LEN=2040; translated
MSTFLTSESVNEGHPDKLSDQVSDAVLDAFLAGDEASRVACETCCKTGMMIFGEITTS
ATVNYEQVIRDAVKDIGYDDPAKGFYKTCNVIVAIEEQSPDIAQSVDAQNMEDLGAGDQ
GIMFGYATDETETLMLPLTHMLATQLGSKITEVRKNGVCDWVRPDAKTQVTCEYKLDEKGV
PVPQRVHTVVISCQHSEDVTQEQIASDLMEHVVKTVIPEKYLDEKLSTILTRREDDSSVD
PXGDAGLTGRKIIIVDTYGGWGAHGGGAFSGKDTTKVDRSAAAYAGRWVAKSLVAAGLCKRA
LVQLSYAIGINRPLSVFVDYGTVAEGKTDADLTAIVEKNFDLRPGGIIRDLNLRPPIFR
KTAAYGHFGREDPPDFTWEKPKKLEL
>comp12195_c0_seq1; 356 73 1233 LEN=1307; translated
MEAIDYKLLREERKRLKNKKSNSQSVRKQTEDNETEAGNHNLLKKNQKRFDTNVNPDYQEE
AIDYKRLRLDERERLRDKKSIISNTNVRERNSSFNDCRWDFEAGFLSFRNLALRVISEDP
QLISYSPTALGQQTPLRYSQKEDNTYDAKSSEHISPEEALMNWLERIPSGDGLREWKT
TYGKRRVCMFGEEEAACSNIESPQSLPPLNDIAREMVKQNI F PSSPPNHVLLNEYQPGQ
GILPHTDGPLYLDRTATLSLGSNVVIEFTKRLSSNQIGRKQISKTIFFSRNHIPSKEENI
HQQIADKDPISNEPGDEPITVLLSEGSLLVFEGDAYMNYCHGIEMDVLQDVTTDKCLNAP
AGRVPVPRGFRYSLTFRHKKPRAEAKS
>comp12196_c0_seq1; 181 122 673 LEN=1135; translated
MATRGVFQCRTLTLRYCEHGGSSRAVREYLASGKLEWASARPTVEVRVSVANGRHPNLS
AGYETQAVSNKTAANHGVASRPVLHQVCLRSKGASSGPDEKAALSERGGTGTGPLPKHPV
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VTEA
>comp12197_c0_seq1; 396 1 1148 LEN=1760; translated
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KNDKDKVSDKDNNSKGEGSNDNDAKNQSAALSCKRGNFLFAPRKQPLQKSGTNTTEK
SSKSSSNPSSNFLQTVGKSGTSMFVPAAMKAKRKKAPAPAPQKTSNNASSQSCSHLPS
IGTETITTTTTITTTKRKSIHSTDEDDSRPPVVVDIHGTGTTSDQSSAKNTGQTSASIS
ESSFVAKNDRILDYDFVFPNDLLDYWETLAAKKQREFLERETREALERQQELREHLEQE
RSELLGGDRGERMPGRGRGRGISNLP SWLVDRQGSNDGKQQPEEGLGGNPARHMGRRGR
GISNLPALVLEQQORREAAEGPQ
>comp12198_c0_seq1; 490 1 1501 LEN=2263; translated
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GSFRSIMITKLPVSEDFMAKLNESIRIDGSI SDFSYVND SARGVSFDEVYDKEEILGEG
AMAQVFRCVHRENF SYAVKEVLAENYDSDPDQVKEE IHALKCLRDPYILKLWVFTGP
DTTHLIMELMEGGDLLGILIDKGFSESESRIRSKLLEAIFFCCHKYIVHRDIKLDNII
ISDRDSNDDSKIKLADFGCSRTFVAGEKGLKTLGSPQYAAPELYMHEDGYDEKCDLWSA
GICVFVLLGGYAPFDGEGMELRSVVC DGYLHFPSEWEGISENAMNLIKSLIVVDPDERA
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HSELTDDMNNSCRSFNDEIH

>comp12199_c0_seq1; 242 92 1095 LEN=1532; translated
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ERRWISQEEFDAEEFNLEAREQDSRRQRENTQRHFQITKTQEDEIRHQYLSYIMEDYT
MVSCHASRFQPSCKVAVKFFPTAPEYRIVAFSQLSAFXTTLIFLMLRPNLWTVFAPLQTL
KSSDIQDKEDIGDTSTEDNLEHETTLIGKETEESSENDVENQCDATMVSSSIESGDTARVA
KIDENKASTDGEVVP EIPVRQKRSNTETSEDLLECEFDNNQTVCVPLAGQSVGKEIDEIE
GATSGNALYSNNRRVVSNGCAICLCRFEEDQITW

>comp12199_c0_seq2; 268 92 925 LEN=1362; translated
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ERRWISQEEFDAEEFNLEAREQDSRRQRENTQRHFQITKTQEDEIRHQYLSYIMEDYT
MTLKSSDIQDKEDIGDTSTEDNLEHETTLIGKETEESSENDVENQCDATMVSSSIESGDTA
RVAKIDENKASTDGEVVP EIPVRQKRSNTETSEDLLECEFDNNQTVCVPLAGQSVGKEID
EIEGATSGNALYSNNRRVVSNGCAICLCRFEEDQITW

>comp12201_c0_seq1; 407 1 1753 LEN=2834; translated
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LGGETVDANYCKCPDGFAGVCHGKHSNPQDSNDATLPVSKNDNGTSKTPIDKSSGPKI
CSKDGDECKNGGICVLSDFGNYSCEPFGSGTVCDSEYICPLDCKHGSSCRHFDQVNGMI
NSDGLEPTSIFYCECVGNYKGMTCNIPYQSCP KSKDGKNDLCLYGGECIEGFP GDYVCKCP
KDR TGGSCFEFGQQSNIEDYNGPCFANDDCFNGLCIREHDADE TAKSGMLSKRTHCLCTS
GWGGDNCEAKCDLDCQHGGSCR FASGGDDAATSGPYCD CRDIDFTGDYCEIPLDECPGN
DGIACMHGGKCTGADSGVFCDCPPGRTGLFCESIDGNAKPSQPSISNSNSNSNSFGFSPSS
SSSSSSSVPVGLT SIITVVAVLSLVGLLTFYRRKVS LKSGVLEDEDAQAQVENGENGTAE
GSSGGVASQADGDEDIFDYDTSGVVDVNLDDTEPV ELDK EKQIV

>comp12201_c0_seq2; 407 1 1753 LEN=2681; translated
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LGGETVDANYCKCPDGFAGVCHGKHSNPQDSNDATLPVSKNDNGTSKTPIDKSSGPKI
CSKDGDECKNGGICVLSDFGNYSCEPFGSGTVCDSEYICPLDCKHGSSCRHFDQVNGMI
NSDGLEPTSIFYCECVGNYKGMTCNIPYQSCP KSKDGKNDLCLYGGECIEGFP GDYVCKCP
KDR TGGSCFEFGQQSNIEDYNGPCFANDDCFNGLCIREHDADE TAKSGMLSKRTHCLCTS
GWGGDNCEAKCDLDCQHGGSCR FASGGDDAATSGPYCD CRDIDFTGDYCEIPLDECPGN
DGIACMHGGKCTGADSGVFCDCPPGRTGLFCESIDGNAKPSQPSISNSNSNSNSFGFSPSS
SSSSSSSVPVGLT SIITVVAVLSLVGLLTFYRRKVS LKSGVLEDEDAQAQVENGENGTAE
GSSGGVASQADGDEDIFDYDTSGVVDVNLDDTEPV ELDK EKQIV

>comp12201_c0_seq3; 407 1 1753 LEN=2458; translated
XKSDEVKSEPADDTKETAPDNNACTPEKNICQNGAPCIKKTEIIDGKQRGANYCKCPEGY
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LGGETVDANYCKCPDGFAGVCHGKHSNPQDSNDATLPVSKNDNGTSKTPIDKSSGPKI
CSKDGDECKNGGICVLSDFGNYSCEPFGSGTVCDSEYICPLDCKHGSSCRHFDQVNGMI
NSDGLEPTSIFYCECVGNYKGMTCNIPYQSCP KSKDGKNDLCLYGGECIEGFP GDYVCKCP
KDR TGGSCFEFGQQSNIEDYNGPCFANDDCFNGLCIREHDADE TAKSGMLSKRTHCLCTS
GWGGDNCEAKCDLDCQHGGSCR FASGGDDAATSGPYCD CRDIDFTGDYCEIPLDECPGN
DGIACMHGGKCTGADSGVFCDCPPGRTGLFCESIDGNAKPSQPSISNSNSNSNSFGFSPSS
SSSSSSSVPVGLT SIITVVAVLSLVGLLTFYRRKVS LKSGVLEDEDAQAQVENGENGTAE
GSSGGVASQADGDEDIFDYDTSGVVDVNLDDTEPV ELDK EKQIV

>comp12202_c0_seq1; 309 292 918 LEN=971; translated
MTERVHVNATSPTGLDVEFDIDL PQAICSLLNIDANDPSGQTQSLHLDRRHVWKHRIK
GDSGKIQYVGDRR KLEQGSSLLHEDHLNELLEEMAERHGLSGDDEYHYDDDEVSCGSCY
AADEDECNTCDDVKRAYKLGWHLNINDIDQCKHELKTKEGE DEGCNVHGLVALDSSG
GSFHLAPGRSFETADQTDITAI FNMLLR

>comp12202_c0_seq2; 350 292 1356 LEN=1474; translated
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GDSGKIQYVGDRR KLEQGSSLLHEDHLNELLEEMAERHGLSGDDEYHYDDDEVSCGSCY
AADEDECNTCDDVKRAYKLGWHLNINDIDQCKHELKTKEGE DEGCNVHGLVALDSSG
GSFHLAPGRSFETADQTDITAI FNMLLSTFEQFNVTHTINKIRFGDEFPGNQLDGETR
VISDGYGMYQYFKIVPTVVKFQNGTRISTNQYSVTEHLRHVNPGGGRGLPGVFFFY EIS
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>comp12203_c0_seq1; 543 61 2190 LEN=2407; translated

MIQYEGTNSMSSSFV IIP TTDADNIDDDSI E VARMYSSSEGFELFDRDTS DTSRDFELN
NTRDNVSNRQEITVVNTHDS ILDIDSQCDEDA SFSEDENM L L G I I N E V P S S P S S S T P M D
EMVKS R P V S P T P S R Q S K P H R E K T E R K N D E T H A N D V R D R K Q Q K T S S I M D S L T L Y S V T D S F V
D S I C T S T A C V P S K N Y E N Y N N C A K P S I N N N R S A M A A M D D K I K K F Q E S C H S A V L N G C D T D Q Y
S P W K Q T E N S S K A M V S M D I W Q L L G C S S P V G N L E L A D I W S I R T S E M F R N G T D S K N V R E N K L P
V R A S I K K R L K R I H R L R M D D R C V R G A S R H G V T I T N H G T D S A H Y N L N S I R K G F H M K K N N A S N
T L E I K T R I N S T H M D Y L N R K S S G S K Q A S Y R G I G K S Y S M L D D S L A D F I G Q G T V E P I P F E N E D
D G Y D S D P E I N C Y S A S S S M I T D S P K R S Q A K R V D D P S S I S S F D S P E Y P Q H S V V P A V S P L P S S
D R N V L R Q D S V P M D E I D M R E S V Q Q T L N S T W T L T W H P N A E N R K E Y N I S H N K P I C I N M W L E R G
T V I T T S G V V I E P A F M W R D A Y Q P L L L S Q H K L N N S T Q K P W S M R L L N A C R I I P Y L S S S S R S H A
S I D R S K Y P M A R Q N A S F L L K S C G G E E F L L E A K G T E D A I A I T E R W K L V V A R F A C L A V T E D V G
G I A R E F F H P T C S D S K M L T I S N L H D D D P L D H S H C G T D E D G L F N R V R L A E S

>comp12204_c0_seq1; 233 304 1295 LEN=1295; translated
M P T I R C Y L I F L L F F T V D L F D G A F A F T S N L S S L A S A G S R V P S G I A S R R H F L T L F P K N S P T A
G P R T S I S D V G S L S S S S L M G I S D V F G A I E Y S D L L Y D D T Q T A F D G W E W T A N M G A P A A L I A A A
V L V T F G E T R R D T V P L K T D K R W V R F T K R M M R F L L M T S F A S E V I S I F V G N M L G S M L L G H E A Q
N I I K K R I G Y G A P L T L V H H H H E L E Y L L T Q I S F L Q G L L H W L G A V I C E L I L P Q K G E T P S A K L M
N K C L A S W L V T L V L A I M S F Y N S H V N F Y S G Y G S M I X K V D R S T F R T R K A V Q T V E F A L Y T F V R D
F H C V D V A G F Y E N V E G R M I A N T N L Y D I I I K Y G

>comp12204_c0_seq2; 250 191 1245 LEN=1245; translated
M P S V R H R Y S D T Q F V H G I L M I N M P T I R C Y L I F L L F F T V D L F D G A F A F T S N L S S L A S A G S R V
P S G I A S R R H F L T L F P K N S P T A G P R T S I S D V G S L S S S S L M G I S D V F G A I E Y S D L L Y D D T Q T
A F D G W E W T A N M G A P A A L I A A A V L V T F G E T R R D T V P L K T D K R W V R F T K R M M R F L L M T S F A S
E V I S I F V G N M L G S M L L G H E A Q N I I K K R I G Y G A P L T L V H H H H E L E Y L L T Q I S F L Q G L L H W L
G A V I C E L I L P Q K G E T P S A K L M N K C L A S W L V T L V L A I M S F Y N S H V N F Y S G Y G S M I X K V D R S
T F R T R K A V Q T V E F A L Y T F V R D F H C V D V A G F Y E N V E G R M I A N T N L Y D I I I K Y G

>comp12204_c0_seq3; 233 140 1131 LEN=1131; translated
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G P R T S I S D V G S L S S S S L M G I S D V F G A I E Y S D L L Y D D T Q T A F D G W E W T A N M G A P A A L I A A A
V L V T F G E T R R D T V P L K T D K R W V R F T K R M M R F L L M T S F A S E V I S I F V G N M L G S M L L G H E A Q
N I I K K R I G Y G A P L T L V H H H H E L E Y L L T Q I S F L Q G L L H W L G A V I C E L I L P Q K G E T P S A K L M
N K C L A S W L V T L V L A I M S F Y N S H V N F Y S G Y G S M I X K V D R S T F R T R K A V Q T V E F A L Y T F V R D
F H C V D V A G F Y E N V E G R M I A N T N L Y D I I I K Y G

>comp12205_c0_seq1; 624 1 1069 LEN=1109; translated
X G D F G A A P S Q P E L S T I E N Q G G N D D D D F G D F D A A P M S I E P S D H V N A A I I G D N D D A F G N F
G A A T V E P S T I A N E G D D D D D F G D F G A A P T Q T N N G N G E K C D D D F G D F D A A P P L E S N A P S V D G
E T F S D F A T V P P K S K D A S T I S N D F G K F D T P P E I L T P M A P I G R I S D R A R N I F A K M Q T L H A F S
D E D R E S T H D N E Y I G K G S L S T F L A S I N S R Q E A E D S R E E N D L D Q L L A G A P T S A E D S C S P L V A
N E D G G G P Y G C F I Y P S T G L H A P R N Q F Q D E K L L R R K S S I R K I P D V L P I R L P V G K E S P L D T A S
P A Y E C D G K K G S T E L F Q L P K L E V S G G A E D S S E K I Q R F Q L K I P D L S F M L Q S R L Q L P T S

>comp12206_c0_seq1; 578 323 2889 LEN=2889; translated
M D D A R N L Y H W H Y L V R K K L P T C S A F T A A Q I V F E S P Q Q R Q R R R Q R Q Q D D P C G T T K Y T A K S C
V Q S L S A V S P S F A E E M L D T A A T L S S P T D S T E P T A R S E E Y P Q K N P L R I V P P N K A F Q N T A G K G
A E V S I V S M N L L A P F Y N S L Q L N Q K T T T D Y E R W E F L D H D R T Q R V P M A L N M A K R T N A D V L C L Q
E I E G G K L G E A S A G G T G E F T L R D D I R E W L A E P T V L E R S G D G N L I V L D G Y D S F V W S P L N P G N
K R G D V V G L C I A W R S Q K H S L V N W Q G Y R R G M V C R L E A R D N N A D Q D D N S E T Y R P S F A L A N L H L
P A R P S N V L G R L K T M S R T I Q K L S G I E S E M Q K D R V T K N A S N A N I H N T I D G L M I V A G D F N S D Q
N S V A A R L L T H G Y T N Y G N V R D R N Y K A K I T K A S A T D M S H P Y R F L D S Y D H G D H P N N Q D T R F K N
C S F R D L Y A P V T V S L K G R G P G I M D H L F Y A T G S K Q K H N L Y P P K I R N T R K N P S R V A A K T S R V S
T A D T L S A S L L Q Q S Q S K R T K R R K K G E S R G G G G N E A V A F A A R Y A P D P R A R I K I K S V L A T V D A
E N G D E E R L E I I R A G L P N A E E G F P S D H L P V G A L F S A S G K S I E P I G N G D N D D G G N V G S T M T M
P T S E A V S D A N V L G E A D R S H N E T T S V L E N S S N S Q S N G G D K G D S N S R T K G D Q T S Q E G L K E R R
I K T S L P S G V S S S V Q R R R N S R T S Y G L R R R H N M V L N A I T D W L V G R G A T S V V L D K P L Y K N D L
L T R V L G E S S Q K L K K K S R A P D L M C M V V N A G A S T D I E E C L V V E V A V A S D P N K V R M K K Q S K Y
K D L V E L L T G S S S Q R C C F A A L V V G D D G H I P D G T R A D I R S L A Q L T I Q A S G G S K S P D E A T K E
V E T E L F C T H L Q S L V A S

>comp12207_c0_seq1; 155 194 707 LEN=707; translated
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K Q N Q P W V D C A R S Y G L S E K F V G E Y L R K K N I Q P G D V Y V S S K W G Y S Y V A N W K V K L E A G K P H E V
K D H S V E V G C V A V F Y L S D R V I A K R Q R R I L T F S D V P F T V K M N E S I Y L P C M S Y Q X

>comp12207_c0_seq2; 265 194 1271 LEN=1271; translated
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KQNQPWVDCARSYGLSEKFFVGEYLRKKNIQPGDVVSSKKGYSYVANWVKLEAGKPHEV
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NGRVLNPNVIEYSKKLSVSPDQLALACILAQPFQPRVLSGAVTPEQLESNLEAETIAER
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>comp12209_c0_seq1; 69 1 680 LEN=879; translated
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RSSASEGDWKRHKKKCKKSLPSFVDSTGKKIATYPIGTTIDIVGSTQELRAKIRKPHFP
GTAEGSDSLFSDMAMYSIQVVGGSNDAFLELCEDEVHNKECWRKVVD
>comp12211_c0_seq1; 173 368 718 LEN=1012; translated
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IENPDLPPKALISIMAKLWRNLAAGGKREWKERAETVNSDDTKDDSDWLCSVQTF
>comp12211_c0_seq2; 173 389 739 LEN=1033; translated
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>comp12211_c0_seq3; 285 17 577 LEN=871; translated
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FMQETYPKAKIENPDLPPKALISIMAKLWRNLAAGGKREWKERAETVNSDDTKDDSDWLC
SVQTF
>comp12212_c0_seq1; 705 428 1690 LEN=1788; translated
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APVAGGTTGAGCSEVQVRPGAPSDIARRRVANRQAKMKPPNVATREARTVVRTTKVAQAPV
SAPVDFDLDFGSPTTTTTPAPATNARGGGDVFS SPLVPAAPPTNQVTQGALKNAIPPPP
KSAPQATTPATLAEELMKNPAPVATKTTTTSNDDILALFGSPKPKQNQPQSGFGMQAMNQ
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QAMANQMMQQQMMMQRQMMMKQQQQMQRNQFQMNNAGAMNNTNMFNSPNGMNSMGRMAN
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>comp12212_c0_seq2; 778 67 1590 LEN=1688; translated
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>comp12213_c0_seq1; 314 1 811 LEN=1299; translated
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>comp12213_c0_seq2; 314 1 811 LEN=1210; translated
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>comp12214_c0_seq1; 489 100 1899 LEN=2088; translated
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>comp12215_c0_seq1; 316 1 1745 LEN=1745; translated
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>comp12216_c0_seq1; 268 106 1080 LEN=1211; translated
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GSIYTSLTGFSAQDSAGSVQLISTGRLLS QLGFKLWDLGMDMEYKRDLGSTLMKRKDFVA
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>comp12217_c0_seq1; 738 1 3485 LEN=3494; translated
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GILMVGYPYGDWLRFPYENHGNLYLIPEIDCCRVVSDASVELLQRVPPATALLLRIGSIEP
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VLTSAQYDAITPVGV IARLIAVKKPALGASISKYLFLPKSVQLYARA AKA AFV IASKDR
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GKNERDKNRLLNDADKVAKKFRVPEKMLWHTKVRAFSETKQWKNLLHLANSRTKSPIGYT
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>comp12217_c0_seq2; 905 1 3335 LEN=3344; translated
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VASLLLLLET SVVDKVPALISIGSYADAVAVATSARDSDFIFYATMEYRKHCMSEVQDPV
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STIYSILRFAGKNERDKNRLNDADKVAKKFRVPEKMLWHTKVRAFSETKQWKNLLHLAN
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>comp12218_c0_seq1; 270 282 824 LEN=1106; translated
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>comp12219_c0_seq1; 278 1 652 LEN=879; translated
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>comp12219_c0_seq2; 592 120 1424 LEN=1651; translated
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CASVGVIMSAHNSLYLSPVQAFGTPEQHDEWIAPYAFPSVGADGRLENVGCFCCLSEPGNG
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EYSLGAKEDKLGIRASSTANVILDNVRVPVKNLLGAE GEGFKIAMSTLDGGRIGVAGQAL
GIASASIDCAVRYALERTAFAFDKPIANFQMIQLKISKMVLARDQARLLTWRAAQLKDAGSS
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>comp12219_c0_seq4; 357 120 800 LEN=977; translated
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CASVGVIMSAHNSLYLSPVQAFGTPEQHDEWIAPYAFPSVGADGRLENVGCFCCLSEPGNG
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>comp12220_c0_seq1; 1141 1 2030 LEN=2030; translated
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QNNQTEAATGSSIDRNTTSSRSMGISIEDSSDSSVESSTSDQPKPPSKKLKGGKTLATN
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>comp12221_c0_seq1; 227 286 969 LEN=969; translated
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>comp12222_c0_seq2; 444 1 1792 LEN=1792; translated
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VYVTPYLHLIDQALSNDREHRLMMTKIDPSHTIKTMIIVSNTSRKKERCSTNVNEIADFL
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IRSFDESFLGFCPLANKSHRESVEEKTTLPI SLYFADTRVFKYSEDGSWNPETEKDHFL
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SGAKASAKSLITNCKLLSMGVDWPSLELVVIADPVKSAVGGQMIGRIGRKAQKGERGYV
LVPVPIKDEDGTLDRDCQAYEILVNTFNHVMVNLRELCDLILVIEKSSKEGRPLELSEY
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>comp12223_c0_seq1; 215 248 694 LEN=908; translated
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>comp12224_c0_seq1; 570 96 2321 LEN=2465; translated

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WGNDFDYLLLEHGHRHDQGLYEFHSLWGLGMEEDAKKHRNDPRVLSAAWTSKSKKPRFI
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CDPLEVQEFYLNSPQTLAVFTTQHQUALFNHPKVHSIPIGVANAPDGGEAMLRLSKQKRQ
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LQEKLQKQONATLETIEYYDGWQKSFDDL PVVWIDGFEFGDEAPKQGGKGNLTPQFLEDQ
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>comp12225_c0_seq1; 462 127 1329 LEN=1449; translated
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>comp12226_c1_seq1; 343 472 1215 LEN=1817; translated
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QGVETSIGTFPADLIETRFIPKDEVKFMIEI IDNLPPEYDLSKLEKNGHLFFKDAEELS
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MLKRKGN

>comp12227_c0_seq1; 437 236 1375 LEN=1514; translated
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MLGKHVEIPI SMGMFSSKQSEGSPTMRSAPSLRTDFSSSSMIHSLKNTAIELPSEPKVPS
ATKTRKRRKRKPRKIIIPETKTYVEPSDKDVL MGRGGKSNHHPGNSRYRGEVEKQERYK
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>comp12228_c0_seq1; 499 121 1608 LEN=2025; translated
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FALWDVIASC DRHGLSDSAIKNDKPNDEEFLRKHPTIKTIAFANGKSGLAIFYRHFHHL
FESGVLAEITTFEGPWSNFGPLTSDLGDKASNPLNKENGIKCKCVPSVSPAATNMTYR
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>comp12230_c0_seq1; 671 282 1571 LEN=1828; translated
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AERSTQMAARVEQAMRAEELALKRLEDAQRAFEARKNFASVQEDEKVARTEERAALQV
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>comp12232_c0_seq1; 290 179 598 LEN=598; translated
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>comp12232_c0_seq2; 406 20 625 LEN=2675; translated
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>comp12232_c0_seq3; 300 1 417 LEN=417; translated
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IVAFVGLLELAVMKDVTGE
>comp12232_c0_seq4; 306 1 373 LEN=373; translated
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DVTGE
>comp12232_c0_seq5; 385 179 784 LEN=1124; translated
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>comp12232_c0_seq6; 356 1 603 LEN=943; translated
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>comp12232_c0_seq7; 447 1 615 LEN=806; translated
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>comp12232_c0_seq8; 473 179 796 LEN=987; translated
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>comp12233_c0_seq1; 440 502 2649 LEN=2682; translated
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NRDDRVPNSNYELEYFIRDQRRQYVRWRKGLSTTMTVDRIESLEKIGFVWAKTRPKIKK
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>comp12235_c0_seq1; 540 109 2112 LEN=2521; translated
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>comp12235_c0_seq2; 229 109 1064 LEN=1064; translated
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>comp12237_c0_seq1; 1061 85 2799 LEN=3010; translated
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>comp12238_c0_seq1; 622 455 2756 LEN=2756; translated
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>comp12239_c0_seq2; 687 396 2427 LEN=2782; translated
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>comp12239_c0_seq3; 657 396 2257 LEN=2753; translated
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>comp12239_c0_seq4; 613 396 2385 LEN=2881; translated
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>comp12239_c0_seq5; 731 396 2299 LEN=2654; translated
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>comp12240_c0_seq1; 271 378 1284 LEN=1284; translated
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DDX

>comp12241_c0_seq1; 1271 258 4529 LEN=4529; translated
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>comp12241_c0_seq3; 573 1 1811 LEN=1840; translated
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>comp12241_c0_seq4; 743 360 2579 LEN=2627; translated
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>comp12241_c0_seq6; 686 1 1430 LEN=1430; translated
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>comp12241_c1_seq1; 188 1 1072 LEN=1225; translated
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>comp12241_c1_seq2; 196 1137 1340 LEN=1493; translated

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>comp12244_c0_seq1; 430 437 1603 LEN=1675; translated
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>comp12245_c0_seq1; 542 1 1827 LEN=1903; translated
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GKINTISKFLQPKRIAIRKEEGKQVEEHTKR LKSKDHEKAAMTTPPATAKQSGADSPVAS
LKLKDSNSMPFTSPKPKMKKRKNSSLPNAPT KRKKS SVVSENVLPEDSSSSTKSLNASSA
KDTSAPERKRDLVALNDGPEPSESEVVSTALLLTKLAGDKAPKIVPISKKPTSEIATAIE
SKPIAVGTPETPAVDGGRSKETSQAKSKSKPLAIAKQQQAPKLKACAPTGKPKLVPKSTP
NSKPHAPVQQQSQIP SRETL LNERINEQYNQLCAFLKNFTDQSMKLIHARNLRGPIPSAL
DDRKQLDAFSKLREEHRAAHNFLQSRLLRS AEATLFL LKESRISSEEARTQLRQC IKKFG
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>comp12246_c0_seq1; 124 1 436 LEN=1211; translated
XTNQVRNYTFKMFVFRHVEVGRIVLINYGPEKGLATIIDIIVDQNKCLIDGPAELTGVS
RQVIVSYSRIALTDLTVKIQANARQKTLKAWSEADTLAKWEASSWAKKMSAKKTRANLSDF
DRFKVMVAKKQKSEIIAKKMVELGA

>comp12247_c0_seq1; 352 375 1010 LEN=1250; translated
MKTTTAAIILTSTTAAVSGFSVLPTQTKTHAAIHTNTQLYGLFDGVKDAFTQPPSSLDSE
R ETPIDRWMGWSVVSSENEVKEGSAAPVDFVDSMDEKNYIGVELTKPMGIVFEENDSEYGGI
FVQSVTEDGAAAKDGNVQAGDQLITVGTKNVSGLDFDEALGAIIESTDELTSLSFFRGT
AKQFYGPTGPSKEWLGAFCEKGGVAASAAASE

>comp12248_c0_seq1; 476 82 1005 LEN=1069; translated
MSKFLQAFALFLGIAAISRRCRAFSAVAPTVPNGSIKIDIQPVNGGEKLALEDYLKND
GKTLFIFGTYAADFNAIEYAQRLRYLPILEEECGVTKFGVVLNCPDAALAMADVLDL
TTKVDLFDVNTGAAGKKWGVSRGWLPDNEVDNPFLLKLFGLWGLGAWATLPAVIGGYIGN
PFVFPQRWIEDALAVGQNKDRWPNTALELSQDGKSIIEVNKFTELPVVGTPRRRPLELATL
RLQSMIGISLKDWEKLPDEEALNSGVLTLQGGCIVVDGTTLETVFDWKDPGICAVANFED
LINKLKA

>comp12249_c0_seq1; 999 1 2786 LEN=2962; translated
AATYRKMMLKMGMPDGAVLQKMNVDGVAQNIQDSVLAGEEPLASRSTYLTAABAASAPVP
QGMALVQKDAAVIQDGMVLPVPEKQAEKLVPEGMVAIPKDKARDGIPEGYVLPKQV
RGPDDDLILVKKDQKDEVPYIIFMGPENPSPNKVKGEGNENVDISGANIVSMDNLSDEV
K KLHKNEKGSRPRFLQALPEDKEMEDDFIRKNLLPASSPREPDRPPKKTAPSSSVAEVLA
QMSSMGGEFDAEKMQELLEKLETAEKRQKLEKQLAAAGVAIAEDIDYDVCVKKVEAIG
K RMNEIGGSDVTHPDKEEQNRLREEYFKLEQEMDKYSSAMLI TDEYLAEQARIEKKWEDD
N GPANLAALKLRRHMPVEVRNMSEAQLTNEPTPNGKYLPAIAKKFKRSNVLQLIRRNPD
DIVSMHPATLENMRVASLTLTERRAVYEHLKTCGPKWFAQKAEKMTERKWTWYKMMKDNF
KENVAIWDRHVAQYGGPAGHPYATRANPHEGCLIGKQCPLKADKVIDYDKEDYGYTDKA
VYEVSEVRKADVDDQAKAKAEALALMKEKKANERSDTLKKHYKGLLQVAKANGSCESM
DEIVDKIEFGMTSWIEEMIENGNDVSKLTDNKKKEVVKINNVLSEIKSPILDICGRSGM
QLSGKKTNDEKPDPRSIIVECSLSLEVI ESFDFVFAKYVKDRLQELGMADTRIKSTISMLKN
FLDELNERNYKTLKSASWQRLPRSRKLLTRKDI EDEIKKKKMESEPDVVEEAGGPPLPGP
PRGGLMDA IKGKFIADFFVFTCYCLQHALNCLFRSVF GGRGGGRGGLLDAIQGRGRGRGG
RGDGGRGGLLDAIQGRAVVEEAEAVEEEDCWMQFRAVAVVDVAEREEEEVYLTQSKVEV
V DVAEMEEEEVYLMQSKAGVVVTEEEEE

>comp12249_c0_seq2; 1067 1 2704 LEN=2880; translated
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QGMALVQKDAAVIQDGMVLPVPEKQAEKLVPEGMVAIPKDKARDGIPEGYVLPKQV
RGPDDDLILVKKDQKDEVPYIIFMGPENPSPNKVKGEGNENVDISGANIVSMDNLSDEV
K KLHKNEKGSRPRFLQALPEDKEMEDDFIRKNLLPASSPREPDRPPKKTAPSSSVAEVLA
QMSSMGGEFDAEKMQELLEKLETAEKRQKLEKQLAAAGVAIAEDIDYDVCVKKVEAIG
K RMNEIGGSDVTHPDKEEQNRLREEYFKLEQEMDKYSSAMLI TDEYLAEQARIEKKWEDD
N GPANLAALKLRRHMPVEVRNMSEAQLTNEPTPNGKYLPAIAKKFKRSNVLQLIRRNPD
DIVSMHPATLENMRVASLTLTERRAVYEHLKTCGPKWFAQKAEKMTERKWTWYKMMKDNF
KENVAIWDRHVAQYGGPAGHPYATRANPHEGCLIGKQCPLKADKVIDYDKEDYGYTDKA
VYEVSEVRKADVDDQAKAKAEALALMKEKKANERSDTLKKHYKGLLQVAKANGSCESM
DEIVDKIEFGMTSWIEEMIENGNDVSKLTDNKKKEVVKINNVLSEIKSPILDICGRSGM
QLSGKKTNDEKPDPRSIIVECSLSLEVI ESFDFVFAKYVKDRLQELGMADTRIKSTISMLKN
FLDELNERNYKTLKSASWQRLPRSRKLLTRKDI EDEIKKKKMESEPDVVEEAGGPPLPGP
PRGGLMDA IKGGRGGGRGGLLDAIQGRGRGRGGRGDGGRGGLLDAIQGRAVVEEAEAVEE
EDCWMQFRAVAVVDVAEREEEEVYLTQSKVEVVDVAEMEEEEVYLMQSKAGVVVTEEEEE

>comp12250_c0_seq1; 227 102 878 LEN=1436; translated
MLRNVSVLGLRQSSRLQSSTLRLRLPAKNSNALNKLHFNQNRDISQKVLAPLASTIGLRS
LSSQAQEPPKKDGGDPDTKEIVLTPGQKVAASRLTMWAGIFAFACGCAYFIGKELIPT
KMSPNVFNSSSKVIRANSQVTMKYEGEIKFYGKDHGHRREGRRNFIEHTQYTDQEDGSK
RTRVRFNMEGQFDSAICFAEVSSDMPSGEFVYVLVQDKRSGRVITVIDNRAALTAKRMAG
GNQETANAMQQLLGGNNK

>comp12251_c0_seq1; 685 1 1502 LEN=1647; translated
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DAGVNVFPGI PAHSVSEAVEAAKAIGDEEVVIKSQILAGGRGLGKFSTGNQLQGGVHIIP
TADVEEFAGNMIGGTLVTKQSGPAGKPVNTVLLAKKMSLKREFYFAIMMDRESQGPMI IA

CDEGGTSEDLAESNPEKIIKVPVSLEEGITDEQIATVVNGLNPSGDKALAGEQIRALYQ
LFVVDKCTMVEVNPLAEDQDGNLIAADAKIGFDDNAAFRQADVFAQRDESQEDPREVAAS
AYDLNYIGLDGTIGCMVNGAGLAMATMDIVDMHGGTPANFLDVGGSSATTEQIEAAFRIT
EDPAVKAILVNIFFGGIMRCDVIAEGIVEASKSLSLTIPVVVRLEGTNVALGKQILDESGL
DLISADDLDDAAKAVAAIQ

>comp12251_c0_seq2; 678 1 1476 LEN=1621; translated
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QDKTTDPMFSQTLRRTALSCGARACQHHRALAAAGRVRFNLNHEYQSAKIMEDAGVNVFP
GIPAHSVSEAVEAAKAIGDEEVVIKSQILAGGRGLGKFSTGNQLQGGVHIIPTADVVEEFA
GNMIGGTLVTKQSGPAGKPVNTVLLAKKMSLKREFYFAIMMDRESQGPMMIACDEGGTSE
EDLAESNPEKIIKVPVSLEEGITDEQIATVVNGLNPSGDKALAGEQIRALYQLFVVDKCT
MVEVNPLAEDQDGNLIAADAKIGFDDNAAFRQADVFAQRDESQEDPREVAASAYDLNYIG
LDGTIGCMVNGAGLAMATMDIVDMHGGTPANFLDVGGSSATTEQIEAAFRITTEDPAVKAI
LVNIFGGIMRCDVIAEGIVEASKSLSLTIPVVVRLEGTNVALGKQILDESGLDLISADDL
DDAAKAVAAIQ

>comp12252_c0_seq1; 420 47 997 LEN=1357; translated
MAQLEYNLPILILGSSKSLPMPKAGGAVSSTPNQGASTDPVVSSSIGDASNTKHTKIPT
VAESPASLYSEKLIPDNVVPDIVEELLVTLGLIQREATADNNGTTVRQPRFAVHFHGKPKQF
LVTPTNILSEIAKAQAEIQASRQRQELLEALGLSDQLAAEKVKQIVLQHPQVVDVYV
TALRNLQVDGMLIAGASGAAAAGSSSSSSAPNRGGTGASSKAAAAGKRRQSSGAAPAKR
KRQRARKEARAESIDATGAPVPPPPGGAAGSSSGTKNTAGSPSATEALPAGAVSISGGTSA
SKPSFSVSDDRSKNKQ

>comp12252_c0_seq2; 370 47 1102 LEN=1462; translated
MAQLEYNLPILILGSSKSLPMPKAGGAVSSTPNQGASTVVSIDMEKMCFGANRMFSSSEL
YLPPPNNLXFLSNKDPVVSSSSGDASNTKHTKIPTVAESPASLYSEKLIPDNVVPDIVE
LVTLGLIQREATADNNGTTVRQPRFAVHFHGKPKQFLVTPTNILSEIAKAQAEIQASRQR
ELLEALGLSDQLAAEKVKQIVLQHPQVVDVYVVTALRNLQVDGMLIAGASGAAAAGGS
SSSSAPNRGGTGASSKAAAAGKRRQSSGAAPAKRKRQRARKEARAESIDATGAPVPPPG
GAAGSSSGTKNTAGSPSATEALPAGAVSISGGTSASKPSFSVSDDRSKNKQ

>comp12253_c0_seq1; 320 199 936 LEN=1120; translated
MEEHVLEWVSIGASAGVAIAAVILAPHVYRIFWPRIITYPWNEEAVHGASGTMDQQRV
FAASYNPPHYGHLRMLLEHLSRRYSKVIAVVGFNPSKKYLVSPQERADLLREMLKKSSTG
DNVEVVVDGYIWRYAKRIGATLFFRGIRSWEKDGRDERMLQILNTWGPVLYGPLFIP
TVYIEGDPTYNHVSSTLIRTICTSTGGKEQQQQTAEQKKNKEAMLSELVPSHVAEKVAKL
YDTNQ

>comp12253_c0_seq2; 166 199 602 LEN=1364; translated
MEEHVLEWVSIGASAGVAIAAVILAPHVYRIFWPRIITYPWNEEAVHGASGTMDQQRV
FAASYNPPHYGHLRMLLEHLSRRYSKVIAVVGFNPSKKYLVSPQERADLLREMLKKSSTG
DNVEVVGXDVPWSP

>comp12254_c0_seq1; 191 409 831 LEN=1080; translated
MKSFKNLLKMSKQAFEEGFDIGILPEGQLNPHPEEKLLPCFPGAFTLAKMSRRPIRFMAL
HGTHRFWHAREDIGMTVTGKDISLRVYPGEGRKYSSPEEFVSTFETVVGKFATTGKDLDE
DELNAWLDGSKWEDETKSEE

>comp12254_c0_seq2; 416 271 1506 LEN=1755; translated
MASNTSQIIRRRRNNVQNGMISTKTFLYLFFTSVLATFPVGNVRAFAPTTKLILTSKKI
HVGTTHVGHQHSYHSLRQSSPRNTSLVLASTKDADIDGATVNGGSDLFVTTLKPARSISK
LTATLRKIGLMAFIASMLALPVALFPYLLHRLNLSKVEQQNRALRAGQFCARWLLRL
IPFANVSCVSSPDQETDPQPCIWVCNHTSALDIFVLLAKDKELRGKRKRPKIVYWKGLE
DNPITKLLFTQCGFIPVEMEGNAAGEKNYNMKSFKNLLKMSKQAFEEGFDIGILPEGQL
NPHPEEKLLPCFPGAFTLAKMSRRPIRFMALHGTHRFWHAREDIGMTVTGKDISLRVYPG
EGRKYSSPEEFVSTFETVVGKFATTGKDLDEDELNAWLDGSKWEDETKSEE

>comp12255_c0_seq1; 552 232 1032 LEN=1151; translated
MRQSYRLVSRANKMPVPGSNRAALSTSSTNSSLLRRQDERIPSPTAAIRTSASRSSYHT
TSSLLHLVHKDAAAAPTEEELAEETEETIPTWQNPLHNNPEMQMFEEDFAEGEEIPAI
PMPPLETDPEKAVAPPHIHELALAHQIVHLNLELLEKELTEKIADHYGFDEMMAAQYGGPA
VAGGGAAPAEAAAEKTIFFDLKLVGFDAKAKIKVIKEVRAIAGLGLKEAKELVEGAPKVV
QKELKQDKAEELKEKLEAVGAQVEIV

>comp12256_c0_seq1; 815 1 2080 LEN=2207; translated
CSSDQEVHLLIDAQKQATQGNEEKAIETIKDGVNILEQEVKRIKQMEESVTSKPKFEK
TALYIVLHEEWAEAAAGLMADIRTMSTLYERQEEYDKAICCEEAKSIYERQAIFFDERHH

KKGSTARKEASMENMMEAIDEARETQGIRQSMHETVERIQTKLEATKDETSRGLFYEDI
FDKLSSTVLSLELMLYLGEMHPQIANTKVLLSMYYIEIGQNDKALRTMNDAILICEIGLGD
HPKTGTKYHEAAKLYERIGGEENVLKSIDLIEKAIATLEKAEGDHSETLASILNSVGALY
IKQTKYDVAVERLKDAILVIAKDNNGDKSDDFSTEHVQLWLNLAECHSLRKEASLSINALR
NAARVQRDKRKKYDALEKDVGNLPLDLLTNTGISLTLRRLGTSLAAELKFDDATDCFLEAL
SLVKADLDTVKELAKFDPNIDLPLHQDEVASVLYDLAKVKQEDDKYDEALKLYRESLHLR
KESDSKAVDKRSNRVACAMCLAGMGSINLLQNKPDFAFKRFNQAIYYIKQEGIPDSHSI
ARMLWQKSHIAASDMKRVKIQSEKSTSNEIKLTTITQLEEQAEAFKGRDYVKCMKTLDT
VIGMKRDCLKRAEEEEKRVENARCQLAVSLIAMGDTMLITNAKKKSADCLTEAYGLLKSS
GVPANNKHFRIEKIRRSIRKMKERSETMAEF

>comp12256_c0_seq2; 1085 207 2707 LEN=2834; translated
MEISSRTSSSDVAIPLKNDGDSRNSPTTVIEVVDSCGTNKFVDPDRPVDDDNVTVAFAS
VHNLYISTNSPNSYNKEDRYVKPRKRRKDRKKYHMCILPTIQEVSKEEEEEGEDELTFGV
LSPLEDDISSHLRAISLPSNGDVGFKEVHLLIDAQKQATQGNEEKAIIXIKDGVNILEQ
EVKRIKQMEESVTSKPKFEKTALYIVLHEEWAEAAAGLMADIRTMSTLYERQEEYDKAI
CCCEEAKSIYERQAI FDERHHKKGSTARKEASMENMMEAIDEARETQGIRQSMHETVER
IQTKLEATKDETSRGLFYEDIFDKLSSTVLSLELMLYLGEMHPQIANTKVLLSMYYIEIGQ
DKALRTMNDAILICEIGLGDHPKTGTKYHEAAKLYERIGGEENVLKSIDLIEKAIATLE
KAEGDHSETLASILNSVGALYIKQTKYDVAVERLKDAILVIAKDNNGDKSDDFSTEHVQLW
LNLAECHSLRKEASLSINALRNAARVQRDKRKKYDALEKDVGNLPLDLLTNTGISLTLRRL
GTSLAAELKFDDATDCFLEALS LVKADLDTVKELAKFDPNIDLPLHQDEVASVLYDLAKV
KQEDDKYDEALKLYRESLHLR KESDSKAVDKRSNRVACAMCLAGMGSINLLQNKPDFAF
KRFNQAIYYIKQEGIPDSHSIARMLWQKSHIAASDMKRVKIQSEKSTSNEIKLTTITQLE
EQAEAFKGRDYVKCMKTLDTVIGMKRDCLKRAEEEEKRVENARCQLAVSLIAMGDTMLI
TNAKKKSADCLTEAYGLLKSSGVPANNKHFRIEKIRRSIRKMKERSETMAEF

>comp12257_c0_seq1; 300 114 1271 LEN=1746; translated
MKSISAIFLAGIAVCWGPKASFQASRNAVAVPAPVRFSA LSSPFLPFPSSNMVHRDPS
RPIPPSQRLRGAKRASPSLGAIPVPTDVLT SFLPPAMGFVKSEWTVSYGYGFATALSAG
SLLLKQSPGVWNLASLHAAALVFYGFRLNAFLFLRNRLSPTYRAIGDEIEKKSERYATR
LSRAPFVLSGCLLFYGLYVPVLLTTRLFASNARAVAATPVVAVAAAMKVLVGLQWFGYLLA
AVGDLTKSYVKGSEKNGKFLVTSVGFVSLRHPNFTGEVLSWTANALCGTLGAYLLRSGL
SPA I LGQLGLSVLGSSGMLFVLLRATS NLEDRQEREHGGTEKYTTWIKNSWCGWKL SLAA
PKEKEEAPHEITMNAEVQEDFGSGI

>comp12258_c0_seq1; 345 366 1745 LEN=1873; translated
MIVSAAGIEMTPTTTQTRIRPMLSPMKMSIRSSFIVFFALFLPLFRSSTTTSAWLPQL
PENIGRRGVLGSFASVTTGILTASKLEPSDQLVAPDLFSSQRVRLPPSPSLPSSSFDAY
YITPVENNIRSKLDKIDNKRFLNELTAHSGGSIWLGEHHNSLSDHNFQAAVIREVHQERK
KHRRSRDTPMAVGLEQVQSQFQPI LDAYTSKGISIDDMKFMVQWDRRWSWSFDNYKKIFE
VAKDLGIRLLALNVDSEDLVLVEKGGYPGLPIKQLHKYIKDPVGFADFAQTGEFKTYNDY
VIKPSYELHQRLGLLQYTVTGEQMESEMTFGRFLSGRLLWDEGMASKAFSWCASNP DGLL
IGLVGADHVKFENGVPGRFSRMARSKQMDTGCTTVVINPTLIDSRPMGTVSRIPTSDSAE
YPERITLQLRYTKGAGGQSPPDNSGRDGVLSFSNYVVVT

>comp12260_c1_seq1; 344 1 1074 LEN=1524; translated
PILIQTNISSDHSQKQQLILVAQSHIRFGPARRNHSFORMASNSTQHSPAASAAAESST
PIHPGGADGADGAMSAQE QDAKTQAQMNEIHEEIRASQKLTSGLLPI SELSLTFAGGTES
DETNGNGFLEGCAYLETVYASYRAVRGDGNCYYRAFLFAIVEHLCKKETSAAEESKRIRGY
VEGSI EEVVKCGYDRFTIEMFH EEFVDLLG SVEKERESSSSISSALCDRLNEENATSDYC
VWYLRVITSVYLKSDPNRFVHFLDDPSYTDVATYCTREIEPMGRECTMVGV LALAEAFRI
RVDVEYMDGRPLNGGKLT KHTFGVNANDGSSLDGVNLGLLCITLLYRPGHYDILYK

>comp12261_c0_seq1; 196 1 684 LEN=684; translated
XRCCCFMPARNPSQAAPPGRTVSSFFQPRSSVLDEKWNVEAPPVRVPEELPTEASTARI
RGRRCRRYVPLTPNHSSWVVHVSGFCPPPSKRVFREFWEKHPPEKHSLVLF GKPVLENRY
SQMYSVAKAKAPAKPTGRKPVDSGGSHQHEYYTYSGTTRHCLPCDPSKRDEK FVV D L CSS
ADQIVTALLGNQNNEGRTQAHQTLQNTGEGRVGKLGVARTEDEQQQQQX

>comp12262_c0_seq1; 207 1 437 LEN=437; translated
XDGTGYIAVVFVSVCKPCDPVEEPPSSSVAPVPEHPHCLEDREANVVNTKPDV MIGSE
IISVTDLNSKSVSLDILADEDFDMVSI SYDDVGTNQRQCYQALNVTEGARLSIEAACYEQ
YASLTVFFYVGDDFDVDDCEACSLPS

>comp12262_c0_seq2; 280 1 857 LEN=966; translated
XDGTGYIAVVFVSVCKPCDPVEEPPSSSIGHEHTRNSPLLSEVTKRVEPECFDSVLLV

GKDTGNDPFC EYTSFPLIVEELDDIGSNEVRF S ITNYWVSSSSEIELVYDRGDGLGRQYQ
SLNSLSRGTMY PFTLAAACDPTSKSAIIEVHVCNNGVLHSSSRAMCGDGSVGS CSFTYK V
PC SADILCDGSRRLNDRNSINIEQGFLTDEMKA AAEPCNDDDDAPYCLHDDYPCQGD EER
MVYVCHYSSISGYQTF CVPEVDS DILRFNSNHHC GPCD G WNGVEQ
>comp12262_c0_seq3; 203 1 400 LEN=400; translated
XVIAYYFELRCGSICNRVAPVPEHPHCL EDREANVVNTK PDDVMIGSEIISV TDLN SKSV
SLDILADEDFDMVSI SYDDVGTNRQRCYQALNVTEGARLSIEAACYEQYASLTVFFVYVGD
DFDVDDCEACSLPS
>comp12263_c0_seq2; 833 201 1634 LEN=1690; translated
MKFLRSTLSLLAMAAPSLAFVQPSLPVQRSASMGALNMEEVKIGIFGGGT VGGGIVEIIE
SKREHFQKMTGKLNLVKSICVRDLEKPRDFTVPEGCKITTFDDILGDDSLDIIVEVMGG
TTLANDVVCKALENGQHVV TANKALIADKLADIEGLISKVNEGREGDAVEFRYEA AAVCGG
IPIIRSLQSDVVGDEIEMLSGIINGCTNFMLTAMDVHGQSYDEAL SEASDLGYAEADPTL
DVGGFDARSKL KILMRLAYGIDVDEDDISCRGITELTKLDFQYAKMMGGTIKLVGVA KSV
SDGKVA AFVSPAYITQSDSLFSVSGATNAVEIISKNLQTTTLIGQGAGRFP TANS CINDI
VALAKGDKTPLPFNPAADNVQFVN NYESNFFIRLKYRDALGITRQVGEVCEKYGVS IHSI
LQNPITSRDDAAFAIITEKVP ISSVKKFCADIEELDWC RGP SFYMPVLREDWESDLV
>comp12265_c0_seq1; 1067 183 3655 LEN=3792; translated
MTEDESSPSASSAIGATEEQHQQLSAIETPSVDKRQYKHISLSG SNGVQNSNRLQVLLIS
DPETDKSSAAMDIGIGQFCDGTHLPGIAHFLEHMLF IGTTKY PDENAYDSFLNSHGGSSN
AFTDLEHTCYFYFDVQ EESLEGA LDRFAQCFIGPLFSK GALEREVQAVDSEHAKNLMQDQW
RMFQLSKSKLVGDNSNHPFGSFGSNAESLPTVTLGSSNDEKDEGETKDNTDSGTHIRE
QLLEFFHTYYRKS LDLYKLVVLGKESLEDEAMVKRYFVELVDFLFGNDDGDEIKNINMGS
TRDMLGDLYPPPDSWQVPQRLHVVPISKVHALELQFPMREIKTLYKSKPTRYLSHLLGHE
GRGSLLSLLKAKKYATDLYADDASKSCASFSIFTIKMELTELGLE NVDEIVSMVFAYIGL
LKEQGPQEWIHTEAQTVSDMQFRFLSQRNPMDYTCSVAGFLQQYPPGLCLSGPYKTFEWD
ADLVTECLASLIPDNLFMLVSSPTFEGSTQETERWYGTQYNTVEPN EALWSHWKNI ESSA
YPALRLPFVNDMIATDFSLIESPSSVPKNK PQCIHQDYNLRLWYKPDNVFDMPKVNIMYH
FSSGQGTFS PHAI IAAQLFTELVT EQCNEFSYEATMAGLYCQIAPSASGLDLQVSGYNHK
AHVLVERLLDTMMDLLSDEQPDSTLSELFDRVTFKTEQAFHSFFV GQPYQHCIYGGDLVL
EQRTP IEDKMNVLKQTNLS DVLTFARSFLKHCHLEGLVHG NVSAQHAYDITTTVWSKIHP
FQKNSLDAIITRAPLEKRVVRLSDNHGKNKNS SFLYSFPEFNEANTNSC VEVILQMGALD
LKTNSTLALFAQLIREPAFNQLRTEEQLGYIVHTSLKTSGDHVKSLLLLIQSDSFDPCHV
EQRIEVFLENFRQLVGMSETDFQTFVDTVVASFLEKVRVPRCATLRRMASIWLFPVLT M
TGXFRGPIHCRARLDSITFDLMLGLFLRSFGLL ICLCSTFLIAFSSLCL IYYLSPPQKN
LGEESSRYWHVILNKTFDFARYEKIADHVKKHTKSQVLSFYDKYVALNAPYRRKLCVHV V
ANQHESVLTAKLGKDIVEDGVPLDSEENTTDTIYIEDPIQFRRSMP LFPMPAKVNV DVVN
LGINKGGNGGITRRTTGA
>comp12265_c0_seq2; 1076 183 3416 LEN=3553; translated
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AFTDLEHTCYFYFDVQ EESLEGA LDRFAQCFIGPLFSK GALEREVQAVDSEHAKNLMQDQW
RMFQLSKSKLVGDNSNHPFGSFGSNAESLPTVTLGSSNDEKDEGETKDNTDSGTHIRE
QLLEFFHTYYRKS LDLYKLVVLGKESLEDEAMVKRYFVELVDFLFGNDDGDEIKNINMGS
TRDMLGDLYPPPDSWQVPQRLHVVPISKVHALELQFPMREIKTLYKSKPTRYLSHLLGHE
GRGSLLSLLKAKKYATDLYADDASKSCASFSIFTIKMELTELGLE NVDEIVSMVFAYIGL
LKEQGPQEWIHTEAQTVSDMQFRFLSQRNPMDYTCSVAGFLQQYPPGLCLSGPYKTFEWD
ADLVTECLASLIPDNLFMLVSSPTFEGSTQETERWYGTQYNTVEPN EALWSHWKNI ESSA
YPALRLPFVNDMIATDFSLIESPSSVPKNK PQCIHQDYNLRLWYKPDNVFDMPKVNIMYH
FSSGQGTFS PHAI IAAQLFTELVT EQCNEFSYEATMAGLYCQIAPSASGLDLQVSGYNHK
AHVLVERLLDTMMDLLSDEQPDSTLSELFDRVTFKTEQAFHSFFV GQPYQHCIYGGDLVL
EQRTP IEDKMNVLKQTNLS DVLTFARSFLKHCHLEGLVHG NVSAQHAYDITTTVWSKIHP
FQKNSLDAIITRAPLEKRVVRLSDNHGKNKNS SFLYSFPEFNEANTNSC VEVILQMGALD
LKTNSTLALFAQLIREPAFNQLRTEEQLGYIVHTSLKTSGDHVKSLLLLIQSDSFDPCHV
EQRIEVFLENFRQLVGMSETDFQTFVDTVVASFLEKKNLGE ESSRYWHVILNKTFDFAR
YEK IADHVKKHTKSQVLSFYDKYVALNAPYRRKLCVHV VANQHESVLTAKLGKDIVEDG
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>comp12267_c0_seq1; 1417 264 5566 LEN=5566; translated
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>comp12268_c0_seq1; 582 1 1975 LEN=1990; translated
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>comp12269_c0_seq1; 457 1 2436 LEN=4743; translated
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>comp12269_c0_seq3; 446 1819 2928 LEN=3294; translated
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IFYPQQA EV

>comp12270_c0_seq1; 264 96 641 LEN=972; translated
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>comp12270_c0_seq2; 481 1 1635 LEN=1966; translated
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SPIAYKVN SFGGSGAAVSAQQGRPRYKSFRAEIGCDGMRQMKSGRYGKDVTIRVPPGTVV
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KPTTTLVVARGGEGEGSGINQKGRGVQRPLSPQGG EKRLRLTLKLVADVALVGV PNA
GKSTFLSKVTRAKPRIADY PFTT VIPNLGVWVWPQALFDPDGRGTKGGGGTGGNGLVLC D V
PGLIEGASRGVGLGHAF LRHVERCHVILHLVDATSEDPVGEFKMLNGELIKYGTGQLAR M
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KKVA

>comp12271_c0_seq1; 566 95 1660 LEN=1834; translated
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ATGPTTTKMVLR SRLSEHLEACKRRSDADWSAFRRRYAGDIEANASARRRLRAELVAGGG
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LVVMFHSHFDPSCLRAQH KFRKIADERRQKHQQDTPMASRCRMVRIESSLLSDET L NHL
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>comp12273_c0_seq1; 421 108 1628 LEN=1668; translated
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LNGDGLISREEF EFGYNRYFVDGDVRVEE IFEFDFPDTGFI DYITWSMMLSPQDL PKIV
RNCQTTGRLSRACPTDEEIE LLNVIYNRGRKLGKEAAESGVRL LIDAEQARYQPAIDNLV
LELQRQFNVD RPIIYNTYQCYLRDCPERLR TDVARSERFRYHFGAKLVRGAYMESERDL
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LGIDRRASTICFAQLYGMSDQLVSEL

>comp12273_c0_seq2; 348 108 1909 LEN=1996; translated
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DVRVEE IFEFDFPDTGFI DYITWSMMLSPQDL PKIVRNCQTTGRLSRACPTDEEIE LLN
VIYNRGRKLGKEAAESGVRL LIDAEQARYQPAIDNLVLELQRQFNVD RPIIYNTYQCYL
RDCPERLR TDVARSERFRYHFGAKLVRGAYMESERDLAASMNL RDP IHPTIEKTHECYDN
SVEYLLRHSTESDLNVEVMCATHNQASITNAINSMNSLGIDRRASTICFAQLYGMSDQLT
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>comp12273_c0_seq3; 440 108 1796 LEN=1883; translated
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LCDEHVSIFLQCIKDAAVSSMGGEHHGYAAIKMTALGNPKLLARLSEAIVEAKRFFSMFD
LNGDGLISREEF EFGYNRYFVDGDVRVEE IFEFDFPDTGFI DYITWSMMLSPQDL PKIV
RNCQTTGRLSRACPTDEEIE LLNVIYNRGRKLGKEAAESGVRL LIDAEQARYQPAIDNLV
LELQRQFNVD RPIIYNTYQCYLRDCPERLR TDVARSERFRYHFGAKLVRGAYMESERDL
AASMNL RDP IHPTIEKTHECYDNSVEYLLRHSTESDLNVEVMCATHNQASITNAINSMNS
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GGATLELESIKAELKTRFTIKI

>comp12273_c0_seq4; 329 108 1741 LEN=1781; translated
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P DFSDTRIAYDSKSTTELLRAAICFRSCKIPSLVSNAEYLLHIFRNLCGGPIVDAALKATL
YGHFCAGEDRERILPVIQKLRNSGVGSILDYAAENDVSREDKSSESPTAWALDYDYESEA
LCDEHVSIFLQCIKDAAVSSMGGEHHGYAAIKMTALGNPKLLARLSEAIVEAKRFFSMFD
LNGDGLISREEFEFGYKYVILFFETKCLLSVAALPFAKHTVNSTKQAFITFFHSRYFVDG
DVRVEEIEFEFDPFDTGFDYITWSMMLSPQDLPKIVRNCQTTGRLSRACPTDEEIEELN
VIYNRGRKLGKEAAESGVRLLI DAEQARYQPAIDNLVLELQRQFNVDGDRPIIYNTYQCYL
RDCPERLRITDVARSERFRYHFGAKLVRGAYMESERDLAASMNLRDPIHPTIEKTHECYDN
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SEL

>comp12274_c0_seq1; 344 640 2130 LEN=2165; translated
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GLKQLYSSPATIGLKNKNSDNRYLLPIEDIEARTAAGVGLSLSIGKGTVPSPPLVVQPN
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VGLEGYLVAPSPGKSEATSSNAIRILPEVVTTDAGITDLRKIYPDLPELRTKLANRK
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VLRNERRIHNSAVERNEYLADPFAFHPETRERVWFGLAHTFHWTSAKALFGVFCRTGSL
EALGRALRTGARSLVWHGIRRETRTPVEVTFGDGTPISVGEMHQIRRVVRKNTAYSQLOE
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>comp12275_c0_seq2; 210 36 311 LEN=578; translated
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>comp12276_c0_seq1; 541 125 1729 LEN=2023; translated
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EKTGTIGAAFAQLWGEHELSTSSSKLYQGLGKVSNSVLR IKNHVVFGERHFENPIDDL
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CDNR IAESRNHSDLVTTRLERDIERFRVEWHERMRHVLFHQQVEFLQSQVNDFSSVL
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>comp12277_c0_seq1; 1024 107 2932 LEN=3028; translated
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TVSVALEAVRNGFATPRMTPSESEEEAPAGGPEEWEKMSLWQAYDEAKRAQVGIH SVLPL
VREIKNAGDAFESQALVDMSSKVGGRDGKIKCVIEYIFDGSRCRVQVTD PAMGDLQYGSFT
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LHPKGNIAAELLKNGLAHMSDWSLRMMPVDPPELRLAESAIAKQKLLKIWQSYVAPTLG
PSEISGTVIEVLTGDTVNLPEGEVYDSEDKLVKVS LASIRAPRVGNERNVGRASEPYAAA
CKDRLRVMTVKGQCKVQVHYEREIPFGANTELRFQFGLSTKTKPDIGEALITEGYATTQY
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NESAKTIDDSMKLFTTNNGTDAAPCEVKVNRVVAALFDDGSGKSWYRAKIVEKQDSGTKA
VVFLFDHGNIATVPVATHLRPLDPSLGTQDIPPAAKEAVLALTL SRPISDDFGLDCARML
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>comp12278_c0_seq1; 392 464 1451 LEN=1785; translated
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E AGETNGSNKSTSNQALSPSVSSYDPKRGLVYFFKGLGSGIFWAWWFDFAEVWSAELTQSV
LSHATGGFGLDGDAAGVDAITCAVRTAINIALEQFLVAPFVFAAWDIPVTAAMRGSPPDQ
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>comp12279_c0_seq1; 132 84 542 LEN=919; translated

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>comp12279_c0_seq2; 222 371 694 LEN=1071; translated
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>comp12280_c0_seq1; 624 76 1680 LEN=1884; translated
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HVVENLALMQEDA AKECWSVDTVMYLLHRFVEIGTNPCKTVPAYQYFGIFASVALSRLEC
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IGRTIREKHGAQMSKEAFTL FVFCAPKFI SPAIPDFVTSGSVDNAYKQOIYLLLEQELKD
QAAFQTLRSYLKLYTSIPTSKLVNFGNKENTLASLKLKMRQLELSKSEIPSLKEATL KSA
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>comp12281_c0_seq1; 492 1 1499 LEN=1588; translated
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NKFAGCSPEKDQTLVEETALGVMKTLRRMKLFKKGDIQRYNLVQKLF FDESRSWPSESKT
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FPNKLGFVFSKRVT KIVPKQKDN ESTASTGVQNESRYINTYQIPYFKACEKFGEENVER
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>comp12282_c0_seq1; 290 1 620 LEN=620; translated
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>comp12282_c0_seq2; 576 1 1283 LEN=1403; translated
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EKKSSLEALKAELQALLNTPELVELLAL EMEA EKL ELDVGKALFPFTELARILAHKNVYL
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>comp12283_c0_seq1; 623 114 1649 LEN=1968; translated
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ALSTEMLMSLRDKVANI LDSIDSMHGCSSTIKYSPDFYPPAINDAELFDWSKTIGAMVSR
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LPVGVELHANLALRSLK KLSLASDEITKEEL
>comp12284_c0_seq2; 470 974 2544 LEN=2933; translated
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RSVSNPEGMGDKWGLPPGLAPRKSSTTTVRRRLRLVPLSILEEEMTEADA AVLAKQKSTA
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SRLLEDLSQSNLSGAKGGLTLP HSLRKYKEVYNKNGRIGIYTPAERAAI IARYQSKKTRR
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>comp12285_c0_seq1; 554 107 1438 LEN=1586; translated
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>comp12286_c0_seq1; 703 484 2151 LEN=2712; translated
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LVTTESGSQYFLEEQA VRESVGDYQYNRDDASRLK PATSQNDNTMTAPKGIPTVKCWQFD
NGGGIVGLIYGSPDAEDGDYIETSPIVNGEIDNNSVVYTQSGSRYFLSGDPPENAFD TLL
TFRDEVETERSKQGGTFTLTKLGGVEDGEGRGRSRSTFSLFDLFGGKRNSESPNSLDS
VPLPLPPSPDKMPPIGTPTLTGCVFNDNGTITGYIFGSPKIDDGYLITTSVVVEGERRQ
FETVTTETGSLYFLG

>comp12287_c0_seq1; 1345 1 3664 LEN=4078; translated
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ETIPMILRSILRKTFDYARRIDKKIDAIDSGDEEKEDEDEDENYSYDWERDTESSARNEEE
FLFPLDSLNDDDIARDVAESLVEEWSEVVKGVSLMDDIFGFDHDLSSGEEDDGDGDDD
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FEKFAPRKPHPEGGLGAEFDPCLRRESVSGIALSGNPSEMLPSEAVLLRSRVIDEKGTS
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MSGNRESLSKAVVLACVIEARRQGRECQVVSFSTERKVMETGVITANSEGIKRLLAFLSH
SFGGGTDVTGALKFAIEALESSDNELSNNGTRTENFCMEAADILLVTDGEIPDPVPLEV
MESIDRLKTLKGIELHGLLIGKSESKPLSRVCTHTHDFLSKYSIPSAFTNAGLNVHSSTH
NVLRQQGQMSTTQLYAKRSYDDDDDDYSYGRKRKSQKKGKRKWDVQDEDEEDYEGSWMK
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GLRLAKLCEGTFQRLLTRFTTPEELFGPLSLKSLLENDEYRRVTSGLPTADIAFLDEIF
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IIREWMWDNLTPSDGDTGTSPNQIRFLENLRKEIRSTLRKTNGCIDGSLGGTPDDIASL
DVLREESER IATIAQQRDLALARHMELVRTSGDFTWIEPDDASAIQQLLPRAEVWPQL
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>comp12287_c0_seq2; 542 104 1453 LEN=1867; translated
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TPDDIASLDVLREESER IATIAQQRDLALARHMELVRTSGDFTWIEPDDASAIQQLLPR
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>comp12288_c0_seq1; 361 161 1876 LEN=1955; translated
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DPAKAALRFKAYLDFVKIHWGTDIVLKRFRMSDFNKSETKLFKRGYFQVLPFRDRSGRR
VVTFLGGFGPETDPVTRSKVIFYLVDALSRTDIESQQKGFILVTEAFCWCENTTSNEKRT
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KFHIGDEMEMRYRLKSYGIPIELLPITETGSIKMNHHTHWIKTRRHIEQGIDTVAVIVEC
PGVNDVFRQGTSSMENPGNAQC RD LILALLEQKDGVIPTPMINPPAASAAATGNANQQN
LIVDRLLIEITDGYHGRFLEWDKDRSVVWQIVERCKIRQKASVLLYSIAKRYGRRGAPNK

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>comp12289_c0_seq1; 649 98 2191 LEN=2437; translated
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SVRDSWKKKAATIPSPQPSPRVGVTRDTI SLQCETGDPEPESAPESKEIPPTTSGVVRS
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DTKSPTTKEDPGQKISSPPVQKISPDCSKPSIENPSFPLDESTQNEHNMSPSSNLSKSLG
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KSRTQESHGGNTFISVEESTLSPSFCSEGTFGNSQMRFNHATELN SGNETSLSKLGPT
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INNLDGMFQSQSPRKMAGRAPSPVEEVAIEVEYVADD
>comp12290_c0_seq1; 413 360 2176 LEN=2176; translated
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LPTPTMVQSLVIPQLLGTESIAFLAATGSGKTL SYVLPVQLKEQEMFEDYERRPKR
PRVLILAPTRELALQITAVVKSLSHAVKLS TQALVGGVKNKGSQRKAMENRPVDIVVATPG
RLLQQWKDGNLFLG SVQTVVDEMDTMLEQGFQREL RDIMYPLLYAASPKEVDIAAEKDG
WGGTRPVKKKAGKVPNDNFSNLPLKENAPQIVMTSATMTQSIQRLLGENPKTSKLAVTA
KRLHGSHPAANADEKDSGANAKLKFPPMKIVSTPGLHKAIPRLEQIFVDVGTQDKVSLLL
DVIASQRARATIIFCNTASSVRAVQYALAEARMESL AYHGE LNSAVRTENLKKFREIASD
KSMETDNFNNKILVCTDIGARGLDIPQVDSVVMFDFPLNAMDYLHRSGR TARGAGKGV
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RGTRRX
>comp12291_c0_seq1; 166 135 611 LEN=1225; translated
MKSVTKSILVSFFLWVLGVLSSQTAYVSAAEVVVESISKSEGPSVPVTRDYSYRSDVTLY
IEEKNGERTPSGWSTRVEDGAATEAPFSFQPGVNLIQGWT DGVLQMEEGERALLHVPASL
GYGNRAMGSKGGAFWIPANSDDLFDIKILGRV GASSEL
>comp12292_c0_seq1; 600 1 2767 LEN=3074; translated
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ALLEATNYRGATDRDRHWNTPLHLLFVDSTLSVLNNSNI VWSPEYLAGLVEDLIAHNPEV
VAGCTNNGDTP LHSACMAPETMVD PSTIVRLLLEANPSAAHKRNSSHETPLRLHCERRNA
SPEVAELLLNQNL DALVTLD SRCGWAPIHAAAANANFRLLR YLVEARPDAVKVQTSQRQT
ALHLLCQNHTHLSAPSSRGS SSGVTA AVELLLRTDPEAVVHKDTVNGQTPLHLLCKTEGS
RSAPLPVVTLLLDKNPSAAAISDFQOYLPLHYACEMGCAPEVVRALLEAHPDAARALTRK
KDSALSLACTRNKSPETVQMLIQANPSALTETNDYGF SPLHCVCNRNRQPRMGIVEALVAA
CPESLGL ETNAGETPLRLAETNTGT FAGILQLLATNGNKGAPSGPGESGMNDRMSWTDDS
IENADGNPRQTKKDDHNGAGGKSHQEQA PLNDALDLLN NYRNNYRSSRDP TFSRKSVKT
NKMGNTP LHDACFLKTTPEYHELEMI AKKNPEYIRVRNNAGHTPLQLL CMIGRIDERIIST
FAQMGGPEIFA EKDSNGNTPLHAAVQQWIDAASIRCLIRAAPDALRSRTTYGDTPLHLAC
LRRCTEEVVQEMAMAASSGDVLPALVPNLA AHTPIGIAMANFKETRDADKCPGFPGYGN
AYNVLSTLIKIVYYGPQQCQQQLKNLSLLRACVVLHRQNI RLDPTFIRQVIHMYPEEVK
QVDEDGNYPLHIEASIP IEKMTLLDGNC PGSRMGILRVLLEAYPSACAARNKENQFPLGL
MINAGRLWGHTIAVALRAFPPALHWCKGVDDRF GALLLEKASKECGTDTLFSLLVSRPDL
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>comp12292_c0_seq2; 261 1 1163 LEN=1470; translated
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LHLACLRRCTEEVVQEMAMAASSGDVLPALVPNLA AHTPIGIAMANFKETRDADKCPGF
GYGNAYNVLSTLIKIVYYGPQQCQQQLKNLSLLRACVVLHRQNI RLDPTFIRQVIHMY
PEEVKQVDEDGNYPLHIEASIP IEKMTLLDGNC PGSRMGILRVLLEAYPSACAARNKENQ
FPLGLMINAGRLWGHTIAVALRAFPPALHWCKGVDDRF GALLLEKASKECGTDTLFSLLV
SRPDLFEMASSSGSIQHEYSGGDYAMR
>comp12293_c0_seq1; 658 528 1802 LEN=1845; translated
MRSSRPDVSEFDLILGENDSSQQQSI VRSRRKIQLSGDDARS DRVTVLASSTFAAPGLE
EEVAGVEEEADPYADMLEESSTIARYEQKEEDLSFIERTSNK LKEMDMQDVISTLIVPSI
FVAAGVRWGVTKASGKVSQADGSLED FANEMVYHDGDFEEMKLCVNAYNKKLMWLGPNK

SKTMLKLYLKYCKKRIVSPQAISSLSYVFSFLKLSKEDKAAAIMVSLCEDMGVDGLSTAQ
KLLFFGTRILKSAEGKAALDP IREILMSSYRGEEMVAESMVETSQTAMAENAYKTAVVNG
GKDQTSLTVGWEVLGLDKEEAMRIFEEEEAEAGFISEREKLYGGQSQKYDDKGNRIDDDGN
LEDPENAIGADEPEKPPASNVMECTECSYTLFIAKGREAKFFGDNFKCPECGADKDKFEK
DMSD

>comp12294_c0_seq1; 90 146 505 LEN=946; translated
MDEEQEAPQQVLDLAEASVPNSLRGIRACKRCGILKTLQFILDGCENCDFLDMIDNPER
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>comp12295_c0_seq1; 167 50 800 LEN=1284; translated
MPAISPPAPSDGGSVEKPLSLKGAMEAADRIRKFLLEQKDPAEQWFPPGTWQGAAFA
ATGLLMTPLRGSLLSAAGPRGPFQGFVDLVVTPILAVGAAQAGLVIGTLYGSSHYLERVA
MDAATNTNATFSEYGTEKIVSVRQSQDGKLSFSPTTADSAAQRERTVAHLCCQVLLPFPS
STEDSLRTRSSQQMSTDVGNISPSVLGIRERKPKWALSAPLTTAGNENIDFHKRFFVWGIF
SPLNFQND

>comp12297_c0_seq1; 578 236 1921 LEN=1989; translated
MATACDSCKNLHSPGSCLGPTASKRRRRRLSETAAKQSNAGKGDHRLSRIIVGSILL
LSCQQQPNSASALFLLPLPGRSLVSSLLSRSQNSNHNKRMLQISEDYQNDADAADTSET
INAYLNKTVGSPTTTIQQIQTSSASSPSTSTREDESSLGLEAKTDWSGTSTQLVNPVGT
ITVRKKPATSERDRLISEAAKLRQSIQQQNELITLERRIECCTADGKESPVTSNSNIVI
SGISYSLYSSASIAATNLASGLVRFQASSRVFLRKIDRVQKRVGPNNQWEGRVGAYLFY
EFLSGLRIASKLAKEPRQIQQLVSDPRTPTLVPHAPAILARLDRLLETHVRPIIESVLNDR
QHLASIEPYLDEILERFDDIEPHLPWILDNIDALAPYTGLLLKHIDALLLFAQGDEWEES
NSNSSYSLANQLLPYLEYYVSKLDVIGPHLVLLRPHVPLLLKHNRIAKVSPHIEKLFARG
YGTRLAASANMDVLLFWFGWTLRIPFLPGIFFALPWSPTIVDFLANRLPKKFARKGKAYC
RNLECAIDDDYGGAWNQLEKE

>comp12298_c0_seq1; 283 245 923 LEN=972; minus strand; translated
MVCLCWIGFVSYLCFQTHGTDPPPVPVGDWVSVSVSVSYFASVSRFVCLRSSQSPV
SLPRVAATVRPAFKGRSWGSFVRPVHGFAAGTAGAQRQRAKPAFPPEAFSLNLTPEPNGTE
PIQTTGAAICRFVPCAATGERSRPQTPTLTPTQEEAFPLRRSIRPVRLEFLGFYARSR
YRFYGDRRWGCADAVQRGAMRRVEVAMVEGNPFPLGSGRADCCVK

>comp12299_c0_seq1; 391 237 1801 LEN=1865; translated
MGKNNYLCILNSPCXDDALFYTDQRSILILATFCVITGQFGKIRREPFCEPHKRWWKAG
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DWQRHRRIVHPSFQPLIRESLGHYIPNIMRTFIGFWEKAEGREITVMNQISNLTLEIIG
EVAFSDHDFHALDSIEQWVHEGEDGVAESTRVNDRVVQAMTSMFENTGTRILMQLMNISFL
DFSTAKSSKMLDEAVDEVVTAACKLLEKTKMLEKGDATKTLGFGQISLLQRLLLDAENSDT
KKSSRKSVMEELRDEVKTFLLAGHETTATWCHWAI FALCKNPEIQELVFSDIETHSSKD
EESDITIEKMTYFD AFMKEVLRMYPPAGMIVRYNVYEEHYKGLTIPAGTRLTIP IHL
LHRHPLYWKDPDVFQPERWLGKEHPASNKHAYMPFSNGPRNCIGYYFAEMEAKLLMAPLI
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>comp12299_c0_seq2; 449 237 1694 LEN=1758; translated
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WEKAEGREITVMNQISNLTLEIIGEVAFSDHDFHALDSIEQWVHEGEDGVAESTRVNDRVV
QAMTSMFENTGTRILMQLMNISFLDFSTAKSSKMLDEAVDEVVTAACKLLEKTKMLEKGD
ATKTLGFGQISLLQRLLLDAENSDTKKSSRKSVMEELRDEVKTFLLAGHETTATWCHWAI
FALCKNPEIQELVFSDIETHSSKDEESDITIEKMTYFD AFMKEVLRMYPPAGMIVRY
NVYEEHYKGLTIPAGTRLTIP IHLHHRHPLYWKDPDVFQPERWLGKEHPASNKHAYMPFS
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RGKTT

>comp12300_c0_seq2; 324 1 1407 LEN=1498; translated
KKHLSDIVQDVGIGITTISSQKGAANIVNGVMICVLYAALPPEAQMLAFAPKPKGCSRKI
ILATNIAETSVTLDGIRYVVDGCGKHKTRDFSDATGMESLTVQDISRAQAAQRTGRAGRVS
AGLCFRLYTEDAFDGLAEASVPEISRVNLSVLLVLKMGVSDPLQDFDLTRPSTSLRR
ACELLYALGALSMSMELTAHGRKMAKLPVDPIYAHLLQLSPSYGCTSEMLTAVSMLSAEN
VMFRPGGGGPEGNGKASLGQKAVQAHRRFASYEGDLPTLKNIFEAWRKEAIYTPSGVKK
GRGNEYGKILHGQWCARNFINGRALVRAFNVRRQQLSSICAKSIDKGGLNMDVVSQSCGED
EIQFLKACAGLFLQSATRLTTSDETKGRRHDSNGGNSGRLGPSRGRYKTKIGSEVVSIIH
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>comp12300_c0_seq3; 968 143 2854 LEN=2945; translated

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DVLLVMAETGSGKSTQIPAYLEEGLLSANRSEKKNARKETPGKRGKYKNKEGSSLSRS
TAAASASATAPYHARSICVTQPRRVAAMTVARRVAQERGCVLGTVVGYRVRFDCCSRKT
KLLYATDGMLLREAMSDPLLRYGVIVLDESHERSLQTDILFGVVKRAMRARGHVDTSDE
NSDESNEEDAGSEETRDGKMKRLLRAKAEWNLPRLKVVMSATLQISTFQTFPPDAVTI
QIPGRFLFPVQTVYTKKEYQEDYIDSALATSLQIHYGMDDGDDGGDILVFLPGQEEIETLNQ
LLKRHLEEDRDGGKVQKHLSDIVQDVGIGITTISSQKGAANIVNGVMICVLYAALPPEAQ
MLAFAPKPKGCSRKIILATNIAETSVTLTDGIRYVVDCGKHKTRDFSDATGMESLTVQDIS
RAQAAQRTGRAGRVSAGLCFRLYTEDAFDGLAEASVPEISRVNLASVLLVLKGMGVSDPL
QFDFLTRPSTTLRRACELLYALGALSDSMELTAHGRKMAKLPVDPIYAHLLQLQSPSYGC
TSEMLTAVSMLSAENVMFRPGGGGPEGNGKASLGQKAVQAHRRFASYEGDLPTLKNIFE
AWRKEAIYTPSGVKKGRGNEYGGKILHGQWCARNFINGRALVRAFNVRRQLSSICAKSID
KGGNMDVVSQSCGEDEIQFLKACAGLFLQSATRLTTSDETKGRRHDSNGGNSGRLGPSR
GRYKTKIGSEVVS IHPTSTIFGRNPAPKSVVYTELLITKKTYLGRVGTQIREEWLAEVAPD
FFK

>comp12300_c0_seq4; 366 127 1446 LEN=2187; translated
MRSLWRLMSRVLRFGIFLSLYIILRVASFTPSRRLRGLSDKTIAELARKRYSSKNGDEND
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STSKNSNNGDKDSDKQVGNISNIEDVQIRFVKIITNQEDLSSVACAANLILSRFDRIDL
NNAGISYDANRSKSAVRVSAHQKDLAFTVNYLSHFLLTEKLIPILSKKGRIVHVTSTYHW
KVDGSDLVPSSEEDGVPIAYHSDPEKQRPGLGRSYANTKLAQIWHRSVSRSLPEGCSSV
CACPTWAATGIAGEKGRAFLGEYAFPIADCGPGITSAVNAMLRDDELGDALNDGKSFVA
NTTLVQYKLTSLLLTNNFVQNTLWRENADMCAAFLLVFQKFAHEDFIIQKTSPESSND
KEKREKQYQWSKHEVKNWL

>comp12300_c0_seq5; 210 225 581 LEN=672; translated
MDVVSQSCGEDEIQFLKACAGLFLQSATRLTTSDETKGRRHDSNGGNSGRLGPSRGRYK
TKIGSEVVS IHPTSTIFGRNPAPKSVVYTELLITKKTYLGRVGTQIREEWLAEVAPDFFK

>comp12301_c0_seq1; 486 503 2192 LEN=2291; translated
MNPKL TNSNLLRFRVVI IALSLLLMTLSSLGEHTVVEGRESVKKERQSLSGEEIVGGRSS
PLRQQHRLRFLSLVDIELSFWYLPASSTNSFETSPLATIEATRHFALGLNEDEGTVI
DLNVRVLSQNSNIQPSSTTATILEINNADSIAAHVLTTLLEITIYELTDDNLQANDMGK
RITRLLTSRAREVLDDLLLDTEFFATVFAIGSESSKAPLMVSKQTSSDIVGSDGDRK
QSLGLFVIGLIGVISIGIGVIFLCTLLPKKSREVEGLNHKEKMIKEPPVPTVFI
RNVV TENTTEDLPSVTQSSEIIQAIDSISKDSIEPSIEITSSEFLRDKQKHAEEQRAVFSR
KGI QTIYTEDKLPYNIQKLRKKDDAESNLKSYINGYCSKWMTAGSASETLRPSKLI
SHSRI NSRIRMKEEKCDIESQIQNLKKKRNAIEQRIRKKYETLIDFSPSECRDANEI
IKSRVTRE DTIGWVGPVEVQGRFNAIDDDDISALTYGSFYGVGDGQDMKILFNEK
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>comp12302_c0_seq2; 416 779 2020 LEN=2348; translated
MKLLLLDHVDSPIYIRGVGFLYLRVYVGDPKSIWGWIEPYLYDDEPIAVAATSSKNK
GQQKGR QQRDGTGDFVRRFLSSSERDFYGTMLPRLPIQVERDLQVKLLFAEKVQERAK
KHSNRK TMDYFKTLGSRVMALYGDDENPITWYEGVVDRVLLRDEETRRELKIPKFI
VTFPEYGNTE TVTLGEMEMPGVSLDSTNDIETSARRGEKRGYRSQSEIRGGYERD
NYRDNRRDYNGRGYS DRGYRDEDRRRSGIAPRRGYDNADHRRRDNGNRRGYLDGDD
RWKRDNDRRREYGHDDR SRSRGPALPSNDDL YEEVRRRERENVTARGNEAVVRRS
QSVKASLTGSAPYNRQESTKHV PAPSNGPYYSNRERPASHLTISESSAAAPKKRSM
EIIAAQQEKKRKL MARYG

>comp12302_c0_seq3; 480 89 1678 LEN=2006; translated
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LDHVDSPIYIRGVGFLYLRVYVGDPKSIWGWIEPYLYDDEPIAVAATSSKNK
GQQKGRQQRD GTVGDVRRFLSSSERDFYGTMLPRLPIQVERDLQVKLLFAEKVQERAK
KHSNRK TMDY FKTLGSRVMALYGDDENPITWYEGVVDRVLLRDEETRRELKIPKFI
VTFPEYGNTE TVTLGEMEMPGVSLDSTNDIETSARRGEKRGYRSQSEIRGGYERD
NYRDNRRDYNGRGYS DRGYRDEDRRRSGIAPRRGYDNADHRRRDNGNRRGYLDGDD
RWKRDNDRRREYGHDDR SRSRGPALPSNDDL YEEVRRRERENVTARGNEAVVRRS
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EIIAAQQEKKRKL MARYG

>comp12302_c0_seq4; 378 89 1914 LEN=2242; translated
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KSYQSIRDSKLIHPVFWDXVDYSAMAMSRDLVFLTAIRVNPALKKLSDRYKPRSAIYCFL
FAPSSFDVEVFRKTDEAPLDHVDSPIYIRGVGFLYLRYVGDPKSIWGWIEPYLYDDEPIAV
AATSSKNKGQQKGRQQRDGTVDGDFVRRLFSSSERDFYGTMLPRLPIQVERDLQVKLLFAE
KVQERAKKHI SNRKTMDYFKTLGSRVMALYGD DENPITWYEGVVDRVLLRDEETRRELKI
PKFIVTFPEYGNTEVTLGEMEMPGVSLDSTNDIETSARRGEKRGYRSQSEIRGGYERDN
YRDNRRDYNGRGYSDRGRYDEDDRRRSIAPRRGYDNADHRRRDNGNRRGYLDGDDRWK
RDNDRRREYGHDDRSSRSGPALPSNDDLYEEVRRRERENVTARGNEAVVRRSQSVKASLT
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KLMARYG

>comp12303_c0_seq1; 301 207 1160 LEN=1337; translated
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LLRGNHECAGINRIYGFYDECRRRFSVKMWKQFCNTFNCLPCCAVIDDKIICMHGGLSPE
LSQMEQIANLARPCDVPDPTGLLCDILWSDPDPSITGWGENDRGVSFTFGGDVVRQFLRRH
DLDLVVRAHQVVEDGYEFFAGRELVTVFSAPNYCGEFDNAGAMMTVDDTLMCSFQILKPA
SAAQQRYGGRQNTPGRR

>comp12303_c0_seq2; 301 286 1239 LEN=1416; translated
MGSVNEDNWVDGIIDQLLQARSRKPGTPVDLSVQDATSLCNYAREVFMQQPMLLELGAPI
KICGDVHGQYTDLRLFEYGGFPPEANYLFLGDYVDRGKQSLEVVSLLFAYKIKYPENFF
LLRGNHECAGINRIYGFYDECRRRFSVKMWKQFCNTFNCLPCCAVIDDKIICMHGGLSPE
LSQMEQIANLARPCDVPDPTGLLCDILWSDPDPSITGWGENDRGVSFTFGGDVVRQFLRRH
DLDLVVRAHQVVEDGYEFFAGRELVTVFSAPNYCGEFDNAGAMMTVDDTLMCSFQILKPA
SAAQQRYGGRQNTPGRR

>comp12304_c0_seq1; 225 443 1051 LEN=1213; minus strand; translated
MTFFFLLRRFRFFPSRRFGPGLGGFFRRLVLVNDHDFLDDLVIPADQELQDLGSDVAKDHH
HDHNDSHDDVHQDVGRRIVPARFPQGILDGQEKGLEVVGHALDLADGEAAPGVLLPDL
VLSQLFFVAPLFLFDTRHCVHPSAEIGTGIDVRVDGCQLRGEQEHEGQEHVPHVPHAAAE
QFMDCFFCHRGMPLRLNLDLIAW

>comp12305_c0_seq2; 184 1 546 LEN=867; translated
FGNRHQYDEDEGADEGPGVKQSFEELCRAHIQAFAKTAEKFALTTKLTERISQWQAHLMP
ILEEEEQKASFDIHRYSQMLLDSSIETVQENKRKSLDHKLQNNNTSDSPCMNTNSVEFRSV
TEGCTQSDICRFLFLASLSLANSGLNLMIEEGALDYRFEILSGKVDKPMETYRAPSTTTSGV
A

>comp12305_c0_seq3; 870 1 2143 LEN=2143; translated
XNINA ILKVQEQSDDSKSSTARWQSKEKQRRQASFHGENQQQKHCTR TNIRHNKNGLDRF
PLHHSISNHTTFFVMVSSTRPKRNSAGREHGRSLDLSNKLNTSANTSGVDLALATLQPLR
DLARNWDVDVASCLEEYLQELAGIHPQQLQKIAEGASANNPNIISTDNGAPNFAQAALILQ
NSSNVYGRKVEYLYSLVYKALDEFFQASKATSSSRQNSRKNKSVADVDVDFDFDPHECF
LLLDDVVPEDLTPTHRKINLKEEEDKETRDRMSLVGGVGGPRSAIDRSQNNNNMTRLSL
GGLSVTRMERNNSFGNGNISSQQQQRALLGILNNGSLRLMSGHCDVGDGGLLLMPGSQSA
NPKNHNSNSFSNGITSNPDNSLNVNFDGADVGTSP TENSVMVSGARNLFDDGYNADDYDDH
DDGQGFAMNDDFDCGDANMACANVQETE EGV CALASSQTSSSAKRVAFADSVVDDSEKN
QHRKQQQKKKDPWQLLDPHSLGEHSYKPKPLKRKGT YRLEP GILEPPSECVTGSSTSR
TKPERRSLVQPTLRSSLAVENFRMAMGKQLEPSKKISSRGLAYGDEF LYIAKENARL KAA
KRRLERKQEQRSSVALLRQSEKKIGDIDNSNEGKFDEIYDDDDDDNGVAFDFGGGDNDYD
DEGDRDYATGNSGLVDLEDALATGINMMKMEPRTKARALNNRLKNSAVLTSKLLQ

>comp12306_c0_seq1; 501 86 1439 LEN=1455; translated
MASLPYSYAPERLLESFRKLKAEEDGKTKPQTTTTPTTDDSEGGCRPCGGGKFVVAAVQL
TASGLEDSSVAGLLERAREAVRIAEEKADLVLLPELFLGPYFCQSQEACLQNLAMEIR
SEEGAGTDDEEGGFNLIETMRGLARRYGVVLPVSLFERKRNALYNSIVMIDADGVSPLG
TYRKSHIPDGTGYQEKFYFSPGDTGFKVWKT RVGKVGVAICWDQWFPEAARAMALMGADV
ILYPTAIGTEPDPSINSADHWQRVMQGHAAANMVPVVASNRYGTEILLRKDGTTEQQRI
TFYGRSFITDETGGKVAEAGEVGPDDPVAVITSSIDPSANRSTR LAWGLFRDRRPELYGV
LQTKDGGAWPAGGIASGNPSHGPHSGGVGR TNAPRKR PASAEASTLHHTTMRAFLGRDLG
AIESYKTSKGRSATASKVYCDDESKCKNK

>comp12307_c0_seq1; 110 120 1237 LEN=1237; translated
MSSSVTPKSKTILGKTLVSVPEAISLHDESDDSNVKFIDGSWWLGKDRNGREEFETGPRI
TKARYLDIDDVSSKSADNLPHMMPSSSLQSAAMDAMGISKSDHVIVYGTSGCMFVTRAYM
QMRIMGHPAELCHLMDGSLDEWIDAGGPVEAKESSPSHPVIDAKNLKEASASYTATDPQN
IIEEMEELRSLIEEGKTTGEDPSVRVVDARSEGRFTGTAPEPRPGLRGGHMPGAINLPITD

LLDPSDKVFRFRSKEELQRIIQEAGIPLPLNPNNGSKIVSSCGSGVTACALMTAFDILDEDS
SNVYLYDGAWIQWGGQSDTPIVLISVERIEWRKPLKLLRTALHHTNKRTEIPEEGPEHNN
NMQARILWSRNLX

>comp12308_c0_seq1; 204 636 1760 LEN=2079; translated
MWGFDNDFTVQLSREYEIISPSANENSVPFLSSMLKELETGKSLVTNLNFPKTNEEHFRNS
LVSLEKKVYMYHHTINSSRGKEGAVVLDMLLAHVYAYHQGAIYGGSCGEGNDVGRESEIS
LIKAIGLEPFLQFACPRDLKTNDRKKVIPGKSYIQDGTRAFTPEYMDILKSLIKYPEKPE
DQKKMNIIVVHMSRGKHFTPCARAPHRGFEPYLPNKHYQVSTKTKVQTGVVKRSNLSDNL
TILVLQLLINKYLKPDQENKVIIFSQLGAFEFKDFEFREKGYELHIDEDITDIWSAVLLSD
VFIMSRSSFSFVPAMVANDSTQVVYTPFWDKPIRGWDIVRSDIQNQSDAEFQRLKSTCEK
KPKDLAKFRKKEGR

>comp12308_c0_seq2; 201 636 1679 LEN=1998; translated
MWGFDNDFTVQLSREYEIISPSANENSVPFLSSMLKELETGKSLVTNLNFPKTNEEHFRNS
LVSLEKKVYMYHHTINSSRGKEGAVVLDMLLAHVYAYHQGAIYGGSCGEGNDVGRESEIS
LIKAIGLEPFLQFACPRDLKTNDRKKVIPGKSYIQDGTRAFTPEYMDILKSLIKYPEKPE
DQKKMNIIVVHMSRGKHFTPCARAPHRGFEPYLPNKHYQLLINKYLKPDQENKVIIFSQ
LGAFEKDFEFREKGYELHIDEDITDIWSAVLLSDVFIMSRSSFSFVPAMVANDSTQVVYTP
FWDKPIRGWDIVRSDIQNQSDAEFQRLKSTCEKPKDLAKFRKKEGR

>comp12309_c0_seq1; 396 1 1386 LEN=1437; translated
RRYNKEASSQRIMSISETTPTWTTPSWSHSVIMCTLLLLWGLFLNENVLFAASGFGPTRT
TRTSSFTNTHALGGLTVGRRTVDSLSTADDEATAEVEIADAASLRSVTFNIMKDQEPQ
LLCNFLMELGAASTCIVDADRGTDEKAIFFDEFDETSMTRTAVTTHNWNCHVSAHFPAS
VSLEWIMEIVQDTFPNLPRYDKVTKVEDKDWVLHVQKSWKPIVLPFVLRFPWHTDKVVA
EALVENNDNDLTDLDDAVQLDLQGGIAFGTGEHPTTQLCLEFIHNVRRPNMLVMDYGAGS
GVLGMAACKLEPTTSAIGVDIDVDAVHIANANAETNQVMKNYLSDLVQTIISDNDESTS
IRLQKAYSSTGKQEVAESLPEDLNGPIYDALAANILAAPLVSLAPYISKLLKPGAPMGLS
GIMTSQSDMILEAAYADYFDDMKVEKELGGWVLITGKRKKE

>comp12310_c0_seq1; 799 1 1925 LEN=3208; minus strand; translated
XEIEAFQKSTKNNLLPIVHGLVSSAKEKLDALSAQFKHGDEILQSRCQSVLSRLENCNA
ISKLESAYLSSSESVLDTLATQLEASKENLSTAVAEITAKLEEDRGIRQIHRDELVKSTG
TFQSHCHTSIDQMNSTAFHTATLNKFFVEGIKENQLSRSNLQSLSSMDGYLKDKNAEYV
KKLEHQCSVLKEQHEALVAHQRRQKMNKALVTNVMSGMSLVEKEMRAIDQFQSDSFGS
LLAANEKSKDSNAAIHQTSLDVFDYLGTTNGHLENDIRNNFNGQDQLGSALQQESSAFDA
NMKTSFEGLRNPIDTFANETMNTLQSLEKEDLNTTESIIHTTRLQVETATNQASARIQEG
AKKGISSLNESTEQGWKYVKEEVLDTVRNDLCQIQGDQSQVCSASKESITGIGETLDADE
NAASEQIRKQGEYISLVEKHLEDGIDGSFAGSVDQHREHIEDSQWLETALQKQVEAMGGH
LCNSKDAVSMSSKQLENLAHNIHRLHEEPVDIPCRNIPEYSESLTFTKDPQAILRESQFE
NSDCGESSKENTPMTSKDSALSNNLHADKKKVHSTSQKGAVLNDRSGSLNSQPTPTSRMK
NIRLNANESPLKRTAAENNVKTGIPCGLRKRKRKTKVSQK

>comp12312_c0_seq1; 195 1 961 LEN=1042; minus strand; translated
XGFIRTKKTNASSAVETAEVLDCTRSSFEPGLLEKPCELDETRGPAPAEFSLIFPTQYGD
FTADCVRERAPVWADRUYKLAHGYNGNYFFRVIIPGRYIQFGTSGDPAVSNVNYTSTT
DPECSVLRPQPPDMPYCLASSSSSHPHDCTGVPALSNDFTLAMSTSYKQGVPGYDPGVT
WNATAELFINIGQNHFLDSNLFIPICTIDPVAMEEVVLRFPSPFGEVSELGGNGPSLGLLY
QDGNPYIESNPEWNASMAVTSIVSICTAPDIPTKGEMEAKSDRASARSIGTNHGRSRLSW
IASIAWKGIAVWLISLIVLN

>comp12313_c0_seq1; 225 111 835 LEN=1034; translated
MKLSAFLVLAVATARQKPSFHETSREXPTLSLQATKNHDRESENATTFANVALASIFSL
LLSAGPLPAFADGQTEKFKLPPVDLTDKTRCTLKSSSIGQANAARDKLYDLRQCKLSGES
AVGFDLSGVIMTETDVSKVNFQDAVFSKGYLRDSNFEGADFSNAIVDRASFKGSSLRGAI
FKNTVLTGTSFEGADVENADFTEAAGNFIDLKCNLCKNPTLKGENPTTGEDTRFSVCGGPG
S

>comp12313_c0_seq3; 225 111 835 LEN=1023; translated
MKLSAFLVLAVATARQKPSFHETSREXPTLSLQATKNHDRESENATTFANVALASIFSL
LLSAGPLPAFADGQTEKFKLPPVDLTDKTRCTLKSSSIGQANAARDKLYDLRQCKLSGES
AVGFDLSGVIMTETDVSKVNFQDAVFSKGYLRDSNFEGADFSNAIVDRASFKGSSLRGAI
FKNTVLTGTSFEGADVENADFTEAAGNFIDLKCNLCKNPTLKGENPTTGEDTRFSVCGGPG
S

>comp12314_c0_seq1; 735 428 2842 LEN=3185; translated
MSSQRGQRQRKQKGGIPPELMNVFNPNESVDDVDDDDMNGTNGNHTNPNGNDFHYNYGQQ

QRTYAYKDRPGSLRGDGYGGGKARYNPVTNPSTMAVQSHNYEPDESEVWRAYVAQVHFS
NRGQWWTGKKRSLKRWILTFVAVGVIQALVATACNFSRSMATKKYDYVYELLNPSMEAY
EEDMEANDDDLAADATGSNGSTNTVPESTGGDIWKAFWSFVLIQTAMCFAASIFVYIEPV
SGGSGIPEIKCYLNGIDLPRVVRKTLFCKVIGVAFSVAGGLPVGKEGPMVHSGSVVAAG
ISQGKTRFWGVDTSFSKFSDFRNDREKRDFVACGAAAGVASAFGAPIGGVLFSLIEGASY
WSTKLTWRAFFCAMTTMMTLFALKNVDTWWGQADVGLKLSFGGFNSLSGEASNFSIWELP
IFALIGCLGGLIGAVFNAANEHLTIWRMKRVNFSKTRRLFVAVVIAMGVSVVSFMLPLIW
NRCTELPQDMQDWTNQEKNLVESLVPFQCEPGKEYNEVASLIFTEADTAIKQLFHFREAG
GDDNSTFSSGALFLFFVPYIMMATVVYGIAPVPSGLFVPSLLAGAAFGRLCGHLLHKL DHT
SGTFADSGTYSLMGAAAVLGGMARMTISLTVILLEATGDMQYVLPMLMIVLMSARFTGNVF
NEGLYDIHIHLKHIPFMEPDVPPIAERNEIVAGQVMSAEVKCLRPVERAGVVYDLLRSCQ
HGTFPIVDTASGGTLYGTASRDMLCTLLQRRAFGNPDVLDYDNDSDLLGPRRLSPLVQWD
TIERAYPRYPTIDDFDIGEADRNCW

>comp12314_c0_seq2; 735 420 2834 LEN=3177; translated
MSSQRGQRQRKQKGGIPPELMNVEFNPNESVDDVDDDMNGTNGNHTNPNGNDFHNYGQQ
QRTYAYKDRPGSLRGDGYGGGKARYNPVTNPSTMAVQSHNYEPDESEVWRAYVAQVHFS
NRGQWWTGKKRSLKRWILTFVAVGVIQALVATACNFSRSMATKKYDYVYELLNPSMEAY
EEDMEANDDDLAADATGSNGSTNTVPESTGGDIWKAFWSFVLIQTAMCFAASIFVYIEPV
SGGSGIPEIKCYLNGIDLPRVVRKTLFCKVIGVAFSVAGGLPVGKEGPMVHSGSVVAAG
ISQGKTRFWGVDTSFSKFSDFRNDREKRDFVACGAAAGVASAFGAPIGGVLFSLIEGASY
WSTKLTWRAFFCAMTTMMTLFALKNVDTWWGQADVGLKLSFGGFNSLSGEASNFSIWELP
IFALIGCLGGLIGAVFNAANEHLTIWRMKRVNFSKTRRLFVAVVIAMGVSVVSFMLPLIW
NRCTELPQDMQDWTNQEKNLVESLVPFQCEPGKEYNEVASLIFTEADTAIKQLFHFREAG
GDDNSTFSSGALFLFFVPYIMMATVVYGIAPVPSGLFVPSLLAGAAFGRLCGHLLHKL DHT
SGTFADSGTYSLMGAAAVLGGMARMTISLTVILLEATGDMQYVLPMLMIVLMSARFTGNVF
NEGLYDIHIHLKHIPFMEPDVPPIAERNEIVAGQVMSAEVKCLRPVERAGVVYDLLRSCQ
HGTFPIVDTASGGTLYGTASRDMLCTLLQRRAFGNPDVLDYDNDSDLLGPRRLSPLVQWD
TIERAYPRYPTIDDFDIGEADRNCW

>comp12314_c0_seq3; 582 317 1864 LEN=2207; translated
MVHSGSVVAAGISQGKTRFWGVDTSFSKFSDFRNDREKRDFVACGAAAGVASAFGAPIGG
VLFSLIEGASYWSTKLTWRAFFCAMTTMMTLFALKNVDTWWGQADVGLKLSFGGFNSLSG
EASNFSIWELPIFALIGCLGGLIGAVFNAANEHLTIWRMKRVNFSKTRRLFVAVVIAMGV
SVVSFMLPLIWNRC TELPQDMQDWTNQEKNLVESLVPFQCEPGKEYNEVASLIFTEADTA
IKQLFHFREAGGDDNSTFSSGALFLFFVPYIMMATVVYGIAPVPSGLFVPSLLAGAAFGRL
CGHLLHKL DHTSGTFADSGTYSLMGAAAVLGGMARMTISLTVILLEATGDMQYVLPMLMIV
LMSARFTGNVFNGLYDIHIHLKHIPFMEPDVPPIAERNEIVAGQVMSAEVKCLRPVERA
GVVYDLLRSCQHGTFFIVDTASGGTLYGTASRDMLCTLLQRRAFGNPDVLDYDNDSDLLG
PRRLSPLVQWDTIERAYPRYPTIDDFDIGEADRNCW

>comp12314_c0_seq4; 582 418 1965 LEN=2308; translated
MVHSGSVVAAGISQGKTRFWGVDTSFSKFSDFRNDREKRDFVACGAAAGVASAFGAPIGG
VLFSLIEGASYWSTKLTWRAFFCAMTTMMTLFALKNVDTWWGQADVGLKLSFGGFNSLSG
EASNFSIWELPIFALIGCLGGLIGAVFNAANEHLTIWRMKRVNFSKTRRLFVAVVIAMGV
SVVSFMLPLIWNRC TELPQDMQDWTNQEKNLVESLVPFQCEPGKEYNEVASLIFTEADTA
IKQLFHFREAGGDDNSTFSSGALFLFFVPYIMMATVVYGIAPVPSGLFVPSLLAGAAFGRL
CGHLLHKL DHTSGTFADSGTYSLMGAAAVLGGMARMTISLTVILLEATGDMQYVLPMLMIV
LMSARFTGNVFNGLYDIHIHLKHIPFMEPDVPPIAERNEIVAGQVMSAEVKCLRPVERA
GVVYDLLRSCQHGTFFIVDTASGGTLYGTASRDMLCTLLQRRAFGNPDVLDYDNDSDLLG
PRRLSPLVQWDTIERAYPRYPTIDDFDIGEADRNCW

>comp12315_c0_seq1; 701 117 1976 LEN=2161; translated
MPASANQNPAPEVPSTKKLKLGTMGATGKSRGASAAAGGGGATATAGASERDEFDVKVA
YLLACPHVESPMDSPAIKAAIEGIEKEQRRRIRDAKLRSRFVAGTRAGVPCDLAVGEEIV
VVEKDDLDGAAMASRPVAAVCIAGASSNDDTEWQDVATQQKGGSIGCGGEDGNDDDD
DDGMESGIAIDGSFGTEDEPDGNAKADSYLGRTLARACIEAIAEQQTRAPVVVSTPLA
AVAVALHAALRSEVLGFACTGVPEDHARKGGIGFAPPVRELSRTEFLPKEDSRSTTNG
KSTSNKHAPLPLRYRKADTGAVVLNVEGIPSSGDVVGATEWGGTECRITFAPSGGRGDS
HLGLGFPLTDHVNLD SWNAAMLKAGSGSKIAPSLHYKNLSGLLTRFCRAFDFGAVAGPEP
AGDRGATGTSTGGARPHTGTSTDRKAAKAPDAILELNPAGSKPEIAATEPRGGRFAVPS
TLGEAFPAASASGRNRVVPVGMVPPRLGDFSGDLLPVGWQDPRHARPGVGGNLMGPN
HPLFAGDGGIGPVGGPGFAGAGPGTMQPRYDPVLPVGGVPHVPHGRGFRPGSDRRARMG
EPNPDHLPNSLGDMMFM

>comp12315_c0_seq2; 426 138 860 LEN=986; translated
MMNRSNNILVTAQSIGFWSHGLFRFVLIVATAFLLAPLSCLADDDNDSAASQGNCPKVCL
DVRQGSRYHGLFHPVSTPSSVQDFYNYHNYSFNNGDDIVPLLPDQSLVLIHHDSELCDLSF
VVVHDSKDDFTGGQALMFVSGNHEDALVQDGPDGSRSDRYVYRGYRRGADDDRTELFWE
WGWQKSPSKRYKTDGIADRWKNSLDGSSNDDDDDDANGYDDDEPNQSGRRLSRGQNAE
>comp12316_c0_seq1; 363 332 1725 LEN=2019; translated
MRQTVAIRLARSVGFPSRHSAGHPARHLSSYGRAGGEFQNHQQSGTEPPQORTHQAQSAEGS
RQPGQQQRGFTSINNRTPYNL CFLRHGQSTWNRDNRF IGWTDTPLTDDGVLEARVAGKML
KNSGILFDEVHTSLLRRCIRTTNLVLMVEVEQEYIPVHKVSNAAVAASGGRQATALAEPIF
VSALAGGIVGVGAVPVADIVVVVVALAVVVVVVVVVVFLSSTISRCDFFPGLRGPSCD
SKHWRLNERNYGELVGKKNKETVKLHGKEQVKQWRRSYDQPPPEMCDHHKYHPARDPRYR
QMKNLIPKSESLKETKARSSVYWDVIAPELRAGKTLIVGHENLRSMIMRLEGIPKED
IINLCLPRAVPLAYRLDENLKPIDRPDGKLDPEATGFLRGEWLGGDQAVLEILERDRKQVY
DTTIRKNLETCDADRKNKWDWMNLVVGKAGPEAQAKSNPGEKAA
>comp12316_c0_seq2; 286 332 1474 LEN=1768; translated
MRQTVAIRLARSVGFPSRHSAGHPARHLSSYGRAGGEFQNHQQSGTEPPQORTHQAQSAEGS
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KNSGILFDEVHTSLLRRCIRTTNLVLMVEVEQEYIPVHKHWRLNERNYGELVGKKNKETVK
LHGKEQVKQWRRSYDQPPPEMCDHHKYHPARDPRYRQMKNLIPKSESLKETKARSSVYWD
DVIAPELRAGKTLIVGHENLRSMIMRLEGIPKEDIINLCLPRAVPLAYRLDENLKPID
RPDGKLDPEATGFLRGEWLGGDQAVLEILERDRKQVYDTTIRKNLETCDADRKNKWDWMNL
VVGKAGPEAQAKSNPGEKAA
>comp12318_c0_seq1; 420 226 1250 LEN=1424; translated
MTIKIRSCLPIVVAAMILCCDAAYVGDEGNLRGPISRDVERTESITQATMIHPTHTLLKN
DTITPSNNNEGIIKKEEQRQTPYVLRGSGVPYKSNNEQKNLSISDDGTKEKRAHKKQGEDE
RQAETFGSQKEMSVLENEILEIRRIKRSQEQLQEKLQQP I VVIKSTNEGGENGNETETE
SELSAESESDGNCVYSFHKERDLHVDLKTTSLHKGGKCRLDVDIVQKSEIHARALIGDGA
CRFDSTHGHWYIAKCIVDENESNGKTKNREKFPFVFTKAFCSGCEICADPEESP
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>comp12319_c0_seq1; 1108 255 4193 LEN=4468; translated
MGGSTGNYSGGSSAAYPPSLYDTSVSSASGGRPSRQNTPAHSSVGRQQQEYSRMPNSYAN
HHQQQRGRHVSPKSSSRMNTNYSYDYPHRRDYASMSDPGGSRLEHTQDQYHHAQSEYARS
EIVSPSSSYYESQERFRNPARRFQHSSSWQHQAQSAKSQSPSSPPRRGLPPHPYHPHQYSSH
SARRERSFDETYPSSPSHSHHERSSVDTSQSSSVRDLKKQLWDQDEVLQVRIPPSPQR
INRTKQPIPGSPVRESGRSLHQSHQRGPPSSASNEVSRFARSLSPRRYQHHQSSHTANN
NASPQIHMAGSNI SDTSYNNRFHSKFYEAAMVAQHRGEEQAESPLPSNKYPQHRRHRAS
SRPFDEDPDQHAHEYQKRRNHSQAQASPPLPGASNRNISPAGNAGDYKNGGGHGFTRKESK
HDNNARRPPRMTSPPPPSSPIRRSHGRDDRRASRGRSRDASQPKSNDRKSIRRVRTPSP
LILERMRSFDNEYHSDHNRESGIPSGRDRGHKNYGADRNDYPAKDFRNPMDRNERHDG
HQNAIAGRYRGSSNIADKEILRNQPGAGRATSSFRKDSGNDRSKDRNVVAIDRDQMPGGS
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ESRSFHARTVDNTRGVGRAGDSSQRRQAQLAKDPLSKRRQDDDAIGDRDAIYNDDDDND
EDDDESSDVSSLTNPFTQPNSSRPVYPTMLDSAYATETEHYKLHSTAPSNNPGRSNTGIN
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DDVLNTEIARTASTDMRERMLERNQSSRTKKEKTSYGEQEGKAMEEGPKNKLGTFMTEKQ
ALAQKLRGWDELSNQVSESRSEQERNAQGRKTAGRGTEASSEFQKNTSRRHPWDNKMDLI
QTKDTSNEGEVGIEMDDTEDHYARDTPGTSRNRSDDDIQNRHFEDARNSIRSRNHKNP
FDDHGSDRTEADVSAHFDPISFSVEGSNSNTMPKVNSLEGVPPQFHPNNEDL SRNEGK
KRHGKGSSEMDNSWANPSSSIIPNFDDR LKPA SNEK PRAKVRSPGRQPSTPKDPSDLSE
HSALETGHGGIEWLD DANHLTSRNLGTAESRSIGMLACKTIGNKELQRKEKKPGFLRA
FMDKKKKATGTGSAASA AVGSVGLSASVESRGRVRSASQIHSRNATNIRLLPAPYGVF
ESKNDSAKQRGTGNRSGSAPRHRSGSSEKFRSSMAKKFNRVMQLYDTEEM
>comp12320_c0_seq1; 323 233 1063 LEN=1433; translated
MSSLRNAVKRIAHKERSQPVD RQH LGILEKKKDYKQRAIDYHRKEDRIKAMKQKASMKNP
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HLLNSDSADSVAKRSHTVFVESGKAAKEFDVADHFGTIP EFAGRTFNRLRKSEIEKLAK
ERMGVNDDDDIDDDYNETKPKFTVEQLIKMKKAERKQAKKLAKARAGAYREMEARRERAE
NMQKAEAHLITEKLVAGKGRKRKIKTSEDGRPAQYKW
>comp12322_c0_seq1; 376 346 1350 LEN=1485; translated
MXYPIFMFALDLEELDSFRDSIWPLSRWLQVREPDLKNGEGLLEEEQTADKASRPERN

DESESGAHSDDPNTPAKDAIGTRLLRLVTQKTEGKFRPTLSTHRVVILTHLSYYGYNFPN
VSFYIYVDKATEELSAVVGEVSNTPWTEMHCVLHPDSTDRVQTKATHADEGKAVGSATT
AKKRPLKKIEYSFPKEFHVSPFMEVDYWDWTFAGVPGPELPPGESQITVINTLRRRTND
RIEFTAKLVVDRNPITPTSVVWQMVRLPIFCFIVQVWIHYQAALLFAKGIVYVPHPEGTE
TAASTAIATIMVPPFAIRDLVCRPPQEAESKTA

>comp12322_c0_seq2; 382 1 1315 LEN=1450; translated
XTKFCNSVVFQHGREALRYRGGIEYANQPSRPMESHGSPVLGGLLAGLSLVAAASAALLF
VVAVLLPWVSVVAVAWFAPPALRHSALYTGRVWHTRLHPKKHAFTYPIFMFALDLEELD
SFRDSIWPLSRWLVSQFREPDLKNGEGLLEEEQTADKASRPERNDESESGAHSDDPNTPA
KDAIGTRLLRLVTQKTEGKFRPTLSTHRVVILTHLSYYGYNFPNVSFYIYVDKATEELSA
VVGEVSNTPWTEMHCVLHPDSTDRVQTKATHADEGKAVGSATTAKKRPLKKIEYSFPKE
FHVSPFMEVDYWDWTFAGVPGPELPPGESQITVINTLRRRTNDRIEFTAKLVVDRNPIT
PTSVVWQMVRLPIFCFIVQVWIHYQAALLFAKGIVYVPHPEGTEETAASAIATIMVPPFA
IRDLVCRPPQEAESKTA

>comp12323_c0_seq1; 266 421 1260 LEN=1495; translated
MAYDCEGTKIASHWNIPIYMSSTIAPGIYVFTFVMTFLAHRTRSIPFCLIHRRGPRHET
GESRLDEDEVEYQPLVRPAILVVFSLFALILLVTFIDLNLALSDDVLVGRGTGWASVLN
NPEGSNTLAMAFLYLLPMTLVSFCLYFGCLLWRYGNEFSMVVPTSSANAWVCPVVGSLAM
IVGQMFQPDFLITSNITGILYMIAMTRTLYEIRYDITQAGELGQFLTALENTHRRKDQR
TPSGRIVANESEGASTDLNGAVDEELEEAMASVRGAALT

>comp12323_c0_seq2; 238 184 918 LEN=1153; translated
MTFLAHRTRSIPFCLIHRRGPRHETGESRLDEDEVEYQPLVRPAILVVFSLFALILLV
TFIDLNLALSDDVLVGRGTGWASVLNNPEGSNTLAMAFLYLLPMTLVSFCLYFGCLLWRYG
NEFSMVVPTSSANAWVCPVVGSLAMIVGQMFQPDFLITSNITGILYMIAMTRTLYEIRY
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AALT

>comp12324_c0_seq2; 521 1 2175 LEN=2175; translated
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VHYSIDIPRDQNCESVSFLTFEDTRSDKSFKRSSFQDFLKPDTIEVVEDLVMGAHNQLHTS
LAYINSEDDSDVEPIPPPTKPRKVEPCQDETTSTTKKDQKVTLCDDVIDLSELSQNA
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ANFESNEIVRTQYRESVIQENKKEIKNLEVGDTPKRVQPTRKSNVDRECDSPEDNGP
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GHAPEL

>comp12325_c0_seq1; 587 186 1562 LEN=1887; translated
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ILSPATIGFLVGNCLAGLLGGSIASGMMLATMMANGGAWDNAKKYIEIEGAHGKGTD
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>comp12325_c0_seq2; 668 178 1758 LEN=2083; translated
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WAIIFGCISIGLFAGVLIGQVTEYFTSYSYWPTQSIAEAGITGPGTVVIQGLGIGMISTV
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GGTLPFVFAGLTMLSVRKTAGAIDEVRRQFQDTPGLREGTAEADSDRCVEISTKFSLQ
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AHGKGTDIHKACVVGDTVGDVDFKDTSGPSLNILIKLMSIIALTIAPSMNGVGDWETALW
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>comp12325_c0_seq3; 856 143 2440 LEN=2765; translated

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SLSAFSGWRGMMMAATDANVRTANAADKGGNAALRVAFTGGSVTGFVVVGMGLAGLSVAL
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HGGKGTDIHKACVVGDTVGDVDPFKDTSGPSLNILIKLMSIIALTIAPSMNGVGDWETALWG
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>comp12325_c0_seq4; 513 186 1653 LEN=1978; translated
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GTLPPVFAGLTMLSVRKTAGAIIDEVRRQFQDTPGLREGTAEADSDRCVEISTKFSLQEM
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HGGKGTDIHKACVVGDTVGDVDPFKDTSGPSLNILIKLMSIIALTIAPSMNGVGDWETALWG
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>comp12325_c0_seq5; 782 143 2531 LEN=2856; translated
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GIGIIASMAGYYVVGTKDDASQKEMLFALHKGTVCVASIIILGFSALIMFFFFEGRES
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GTLPPVFAGLTMLSVRKTAGAIIDEVRRQFQDTPGLREGTAEADSDRCVEISTKFSLQEM
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HGGKGTDIHKACVVGDTVGDVDPFKDTSGPSLNILIKLMSIIALTIAPSMNGVGDWETALWG
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>comp12325_c0_seq6; 594 178 1849 LEN=2174; translated
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GTLPPVFAGLTMLSVRKTAGAIIDEVRRQFQDTPGLREGTAEADSDRCVEISTKFSLQEM
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HGGKGTDIHKACVVGDTVGDVDPFKDTSGPSLNILIKLMSIIALTIAPSMNGVGDWETALWG
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>comp12326_c0_seq1; 443 111 1025 LEN=1199; translated
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ICILIPLVSILLRVSRASSSTFGEFWLLKFPFLIHASWIMAA TLVNTNVVAVAYKASPKV
QAIIGWLSLVIVFFVGTFFFTSTIWSRKKRVVVP IVLVWATVAIASELSKPKDLISTTFS
DSTIEQTKGASETVAIILLLVIVIVELIKS QLSKDETEVGGTTEEEREILD TDENENDTVHY
SALS

>comp12327_c0_seq4; 701 548 3388 LEN=3658; translated
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TRTLPHLGGIGGANS SYHSPPEQIRHRNAGKLCALRDMSDNFDHRYERSNDSRPLVLIG
SLRRSSSRHPSLSIADRTFAKAATPRKKLDVPPYLLDSQLRQQQHEIRRQQQHQNQINPS
NTETAMTGTNKVMGDMLEDNKSQEKYPLGQEKENRDGNIRTEIDTGTEDGAQGHTHSQS
ELIEERESGMTSSLNGTPVPAVWVENGKSNTNALSSTSQNCNGNGSNAVTTAVTSQEHQL
DLIEPSILETQKKQGMADFKHEHLQSLLEMEMSKSKTNFNEILRTATSCAESKFVEKIKTL
QKTTQSELNRNAEALREATTSELDKAEATQTIAQSNLDQKRSEIEKSIEDLVDSEKNKL
EETSICKVQKLERFTEGSLRSLKFKTEKWIAGSCKKIANSLKPYMSIASETNTQSKEEAS
DGFVKIPKTTKCCRSDIKSTNSDQVNTKSSRSKENYSVGQQHSPAENEVSLTQGSNKKG
SPKSNGEKAQLRPLRRSKRTRQSRNPNSNLNSCTPLPKGKGAKNSMKKEEANDLSCP DG
KDRIVTSESEIPLAATRDKALCVTPIGEASGSKQKGQKKLAVRARRRSIAKQDVPRSIS
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>comp12328_c0_seq1; 300 199 906 LEN=1002; translated
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>comp12329_c0_seq1; 621 98 1420 LEN=1713; translated
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GLWKERGDQLRLRGDASAATSYYEKALSDSSSVSIGGSIVLSVEGFPRIAEVDCIDDED
DGGTIDVTLVHNGQERSVKEASVLLGIMEADADRLQERILLNLARCMLQLSDLDAANRPG
YLKSAVLAATLVLALSSFRSSEEDSDGTPSPAKKHSQTALVLRCKAYTGLSRWKNARSDA
RQLVASGDEKQGSKLLAVVERKKATQSKQDKKLAKELCKLVESATNAARDGSEANPVSPS
SSAPGASSASKPMARRAKTSKQLSSQGGPPRGLQFEKGDASASNITLIVSSLVRCGRVF
FMLSVA AAVLISKYFQTSKE
>comp12329_c0_seq2; 572 98 1177 LEN=1502; translated
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GLWKERGDQLRLRGDASAATSYYEKALSDSSSVSIGGSIVLSVEGFPRIAEVDCIDDED
DGGTIDVTLVHNGQERSVKEASVLLGIMEADADRLQERILLNLARCMLQLSDLDAANRPG
YLKSAVLAATLVLALSSFRSSEEDSDGTPSPAKKHSQTALVLRCKAYTGLSRWKNARSDA
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>comp12330_c0_seq1; 417 1 2002 LEN=2359; translated
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EIFLALKFHWIVTQHELSIAFQEQHQHQHQHQHYQSKSSNSNIGHRRIKKNIPDPGRFNG
FPVYHDLTLNKSYSRYPYSSVRCVGENYQGSDFSWMHRSCHFRFLCFNVSSREFEVYAR
PDDEILQSI V S R R Q P F V D I S S G V L L Q P R N E T Q N G I D S G V S L A S G T V R H R P R D R V G S A A G D D
DTSRQGSKEAYKWFPTVIRSSPPERYYALDEDMILVPFHTMLKEEGPREKEYSVLWDDLF
PVYTLNMFQLVPGENQKEVILMRYISKMENRADGNQVQFQRKMDEFRPLMMRRGRVDE
KVIQDKRNSFENTYWTQLDSILMPTPNTPI LSHLVCAKDG LAGL G P H G I Q K A E G K H T A N
LLPKYGGKGLLWLF R N Y C L R N L G L I R A S L T L S A R G S Y Y E M T N I E T S N S I V R I I F S A P A Y G
IASRIYKGTDDPQIGHDGQDSTPIITELRDFLVSPAIRSKSENGDRSSVASTNSSRVHIE
SHDFSKEFTSLTDRVELMMGTTFVIATCSEAVASMAIFLPRGATLIVFYETKNQYPEHEN
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>comp12331_c0_seq1; 437 154 1266 LEN=1451; translated
MEGSVDLTIQSIHGAAWRQCGANGVDDIGALS AIKAHV SFSGSVPMKVSSFAICPDK GK
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RPHLHFDLREEKVIDATEIQDLILDPNADRVDVGSMT PQHDMI IKLHITFRSVDGDAIS
ISSEGVAELRIRQTNFENLPLTLDLPI T Q P T C G D S S N T V S E N V P K N C Q I L F G S S S S I R V R
LDDASKRQQYLATQTTTSQEYILSDHVDEIQLVGMVKKIHEYEEERGKIRDDEAEPKRFV
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FENIPKHHFR
>comp12332_c0_seq1; 388 135 980 LEN=1265; translated
MAPINDEHKDLALVPESVLKRRHDLDDLRRKRAAQEEKVKSKRGSYVRK PATFLAKAKQ
RRNEQIRYRRVKKKGMQKKASKKTEIKTKEITVAGNESDSESEEQAQIIQYKANSVGS PY
V F V I R I R E D A G H P P R C V L N I L H Q L R L K D P N T G V F V R Y D E V T K R H L H L V E P W V V Y G K P S D G
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>comp12333_c0_seq2; 296 175 1572 LEN=2121; translated
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HSYLKTFQGPATGIVVERERLNKYGTPLL GATVKPKLGLSGKNYGRVVFEG LKGGDLDFLK
DDENINSQPFMRWRERFLNCEGINRASAATGEVKGSYLNVTAATMEEVIKRCEYAKEVG
SVVVMIDLVMGYTAIQSAAYWARENDMLLHLHRAGNSTYARQKNHGINF RVICKWMRMSG
VDHIHAGTVVGKLEGDPLMIKGFYDVLRLTNLEVNLPFGIFFEMPWASLRRCMPVASGGI
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>comp12335_c0_seq1; 627 1 3177 LEN=3208; translated
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SACNSARHHARGGFGPARNNDGGVPSPKTAQPRSWAEELGSSPEFGDITDGIRD LALEDG
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PTGVAAINVGGKPYTNGGNFQKGEYYSDFNKMMS EGRKTMKETKVLLIDEISMVDGHFF
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IGDFFQLPPVNSSPSSSGDDGRCGNAIEENDELCEEESDLRIGRQGSYAFQSHSWQKSE
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SVEAPPVPEALQQARNGLAELEEKERL KATDDYEALIAMRPALTTQKEK VETLEKDETL
NSTISVSSI AKYTGKDPNILFENFQRFD CQIKHDYKVLKEHAYERFFKNNCRAKDKIEL
KEEAQVMLLWNLDVRDGLANGSRGVLKAFIPVSSYCSLLKAEMRTREEQEERERE GPDIL
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CGHATRWQVPLCLAWAISIHKSQGMTIDWLHV DLRGCFAPGQAYVACSRGRSLDSMTVEN
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>comp12336_c0_seq1; 252 168 1484 LEN=2026; translated
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REL MGRQLKEQEEAMRELEVELS IKFDRRLETLAKEKADLEKNEQLHKASLVETQQWKDK
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KYGPGPHEVEMFVRFDNTEGEEVDGGYITLELAPVDEMPHAVYWFLEQVEHGLYDGC SF
HRNAGHVQGGPVRNFLSPPEGDGPTLEQRFTDSGFRSILFQEYSPNYPHVKYTAGYAGR
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>comp12337_c0_seq1; 370 1 1157 LEN=1193; translated
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SQNYDIKVRVASKREARDV GMEIISFDGTKILQSKQFEAPGNGWQNF KDVVWDSIDLNAG
RYILKILSNTGSINLCSTSVMP TNNEPDQDLDFEIQVPGYYNALHYANI GLLDTTVEHRG
DCPYRKNTPVDAKMNDL VCKQAISEYDLHCHIAFTEVDEF LTYRFRKVPTQTKVRVSLR
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>comp12338_c0_seq1; 935 1 3374 LEN=3783; translated
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RTPHLHCHEPTPAKVLIRLMNCCRDA AAVKDKQGLLPLHIAVENRRANIVIERLVRGFY
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FLVKNRFRDRKRLLTVEHDKIFVALNK APPMVASNFLAAGRKH MVKTEVAGKLFLLIS
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DSPPLLIQLLAKLFPDSILHRHPKSTALPIHIACRH WQFRDYPRRKGEKIVSINQVC MEL
LKKDPTQTRKRYRNRLPLHHAIAVFKPWF EIEPLVDQDKASLLIRDPV TLLQPFQMAALK
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PNVSPWIVELILECFPRSATLPLPDSGDCYPLHIACTTDTYIPLPFEPNKRCI IEMVSK
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>comp12339_c0_seq1; 348 1 1439 LEN=1439; minus strand; translated
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TRMANRSVCSKCNKPN SHNSSFGEKISNANAELMEKDPNDDGLACEFENDDDDDDDAT
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>comp12340_c0_seq1; 1964 202 6105 LEN=6200; translated
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SRFVAIGTQTGAILVYDHFEVLRQILGGAKRMTSAGDDPTSNSGGIGAGGDNSFNP KLAG
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>comp12342_c0_seq1; 304 85 1160 LEN=1229; translated
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>comp12343_c0_seq1; 307 1 776 LEN=926; translated
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>comp12344_c0_seq2; 611 348 2948 LEN=3058; translated
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>comp12344_c0_seq3; 490 348 2875 LEN=2875; translated
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>comp12345_c0_seq1; 339 1 1568 LEN=1765; translated
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>comp12346_c0_seq1; 207 100 1185 LEN=1249; translated
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HC

>comp12348_c0_seq1; 199 249 902 LEN=1051; translated
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>comp12348_c0_seq2; 318 123 1142 LEN=1291; translated
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>comp12348_c0_seq3; 188 123 576 LEN=576; translated
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>comp12349_c0_seq1; 855 149 2479 LEN=2655; translated
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>comp12350_c0_seq1; 1125 423 2738 LEN=3021; translated
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>comp12351_c0_seq2; 501 115 1344 LEN=1496; translated
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>comp12352_c0_seq2; 362 1 1512 LEN=2035; translated
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>comp12355_c0_seq1; 427 548 2725 LEN=2943; translated
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>comp12357_c0_seq1; 246 289 1023 LEN=1170; minus strand; translated
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>comp12358_c0_seq1; 878 276 3446 LEN=3507; translated
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>comp12359_c0_seq1; 732 1 1709 LEN=1849; translated
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>comp12360_c0_seq2; 197 1 705 LEN=840; translated
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>comp12361_c0_seq2; 529 171 2603 LEN=2792; translated
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>comp12364_c0_seq1; 57 1 306 LEN=713; translated
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D R L R K Q Y G R A T K A L D T F L E D D K D A Q Y P V D D S V L Q E E V A A E T N A S G A D T A V L P T N C P A A R N
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A P P V Y L G E A H L G L L K L I L G D P S S D D W W W S I L E T E Q S E N A V L A N K D A T K G A N V K E E E S D L P
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L V D F L L P P G K P T P T Q S V Q L F S P S S W P H I V G A A V C R I I H R Y K R L R N E V D D R L R Q S R D L S Q L
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T D Q I E K L Q P S A I G E R V R V R I A V D S N K D G E I C R Y E V A S I I G W K T R M G Q V P V E K D E T E F E P Q
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>comp12371_c0_seq1; 522 118 1200 LEN=1363; translated
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Q A T K N I G I I N E Q S M Q A T T T A E E Q N L S K K L G P L I A T T N K R A K R T K T L L G L L K E E T E K L K E G
G K L N A S N V R Y V S Y F I V L Q T M A P F K N V F V M V G G D E F L V S H R S L F V V L I C G L R S S L Y N F D N V
Y G T K V Y X E N M N T T L T K K F I D E M K A Y Q Q A Q Q K Y K T D I K N K V T R Q V Q V V K P D A T D E E I D Q V L
K S E G G R D A L Y K K T I L A G G V N D Q I K T T Y A K V A G K Y Q D V L T L E Q S V A E L H Q M F L D F A L L T E Q
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>comp12371_c0_seq2; 557 118 1032 LEN=1195; translated
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D Q V L K S E G G R D A L Y K K T I L A G G V N D Q I K T T Y A K V A G K Y Q D V L T L E Q S V A E L H Q M F L D F A L
L T E Q Q G E L L D Q I E F N V T Q A T D Y V E E A N V E T H Q A I E Y Q K S I R K K Q C W I I V I A S V A A G I V I Y
F I V K

>comp12371_c0_seq3; 497 118 1321 LEN=1484; translated
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K S E G G R D A L Y K K T I L A G G V N D Q I K Y V L F C Y L C L P T T A S I R A E T D V G C F L L L L F P L A T R W R
F L Y R T T Y A K V A G K Y Q D V L T L E Q S V A E L H Q M F L D F A L L T E Q Q G E L L D Q I E F N V T Q A T D Y V E
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>comp12371_c0_seq4; 532 118 1153 LEN=1316; translated
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>comp12373_c0_seq1; 594 197 2527 LEN=2873; translated
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L T L I E S F A K E A E H R P N V R Y Q F P F L A L P K H M Q D E W L A L L Q I A L G G A T Q N I R Q P S E N S N R L M
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>comp12374_c0_seq2; 1737 277 5529 LEN=5563; translated
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>comp12376_c0_seq1; 472 99 1628 LEN=1682; translated
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>comp12378_c0_seq1; 416 56 1129 LEN=1581; translated
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>comp12379_c0_seq1; 1246 187 5406 LEN=5676; translated
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>comp12380_c0_seq1; 591 120 2099 LEN=2223; translated
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>comp12381_c0_seq1; 413 72 1223 LEN=1400; translated
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EYTAQC SHGYAEVGVYLFVGD SNDFDIEECESCAVPNADYTGYLRLSCDRICEEAVDED
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>comp12382_c0_seq1; 640 218 1906 LEN=2216; translated
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>comp12384_c0_seq1; 418 144 1187 LEN=1330; translated
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>comp12384_c0_seq2; 466 205 1423 LEN=1566; translated
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>comp12385_c0_seq1; 348 177 1235 LEN=1429; translated
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>comp12387_c0_seq1; 390 279 1089 LEN=1135; translated
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>comp12388_c0_seq1; 526 128 1402 LEN=1402; translated
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>comp12390_c0_seq1; 240 193 1038 LEN=1511; translated
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>comp12391_c0_seq1; 534 151 1767 LEN=2022; translated
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>comp12393_c0_seq2; 1570 1 4736 LEN=5033; translated
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>comp12393_c0_seq3; 1122 1 3496 LEN=3496; translated
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>comp12393_c0_seq4; 1155 1 3404 LEN=3404; translated
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>comp12393_c0_seq5; 1603 1 4644 LEN=4941; translated
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>comp12394_c0_seq1; 424 166 1254 LEN=1409; translated
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LLTVGVMMLCNMKGEDQGISNSKGCATLGIIVSSGFASVYTEKVIKSQRVLSVQGGQYS
LAYTQVQLASMSLLTIGIYACIMDFKTIVEYGLFHNFNNGGAFLTVFNSAIGGLIVAGVLK
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NK

>comp12395_c0_seq1; 495 154 1431 LEN=1606; translated

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KR SKYILDPEGFAAF AKPGKYKCYVEYVILPSFDMHKKLGLLQYTMSGEKLD EEMNF KKF
FSGRILWDEAMASGAYRWTRDNPNGLLVGLVGADHV KYRAGIPGRYDRMVGN SRDCV SVM
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VTSSS

>comp12395_c0_seq2; 454 154 1575 LEN=1750; translated
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RAQIDIIRKLHASKTKGQSGNGERLIGLEQVQVQFQSVL DAYIGGSLSTEEMREKVEWD
KRWTWPF DGYRGI FETARELKIPLVALNV DSEDLAKVENGGF SNLPPEKR SKYILDPEG
FAAF AKPGKYKCYVEYVILPSFDMHKKLGLLQYTMSGEKLD EEMNF KKF FSGRILWDEAMA
SGAYRWTRDNPNGLLVGLVGADHV KYRAGIPGRYDRMVGN SRDCV SVM LNPSLIDTRPSG
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>comp12396_c0_seq1; 243 1 864 LEN=1062; translated
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TSKFAIAGLSKSLALDVRDHGIAVGTIHPGNV VSELLSPEDVEVRGRTEGFLRPEDVAGC
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>comp12396_c0_seq2; 424 1 1187 LEN=1385; translated
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>comp12397_c0_seq1; 398 605 1510 LEN=1934; translated
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LLFSSFKVLV GEEEDDEDLSENAIVKFANL FKSTDKFDGDRFFTMEDGVRTATPMLLC
MIAVEISDVVFAVDSIPAI FGVTE DPLVVFSSNMFAIMGLRSLYVILSKAASELKYLDKA
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>comp12398_c0_seq1; 546 174 1623 LEN=1623; translated
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TTHAVLVETLALFHRDRAL ENFSFSAILSRLVREHGYAYAFDDEDSSSSSVHGDDLGT
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ALKTGTEDAHKEAESVHFVKNFIRGKIDRRMYALFVAQMFHVYRHLEKALDEHAP EHF PD
CHFPKELARTEALREDIDFWQGSDDFPVSPATRDYLERIEAVARDRPILL LAHAYTRYL
GDLSGGKVLARVAKRALNDRGPDGLTEGLAFYDFPLLRGSVVAFKDKYRQCLNDLEFDD
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>comp12399_c0_seq1; 237 333 1487 LEN=1984; translated
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GPLVTVGMVQSMNFASF DATRRFLYALQH GQAGSVCNNYRSQDSL TNVAMSGSVGGM TTA
TLTAPLLMMKINQI SGNTRFKAFREVFVVESSGQTRFKPLRPYGA AFLPHLLSEALGRS
IYVTAYEGLKRSRLASKEIPDGAGDGFDFVQNNGGDGGGGNCLSLPDRMACAAASGII
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>comp12400_c0_seq1; 227 586 1173 LEN=1720; translated
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VEYDSIENAQKALDNL DGRMLLRKRLVVKPSHADPGSSSGTKANAAPMNP AKERV LIDKK

IAALRKKIQESQGGD

>comp12401_c0_seq1; 217 1 1361 LEN=1471; translated
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ILAEAGSGNACAVVPQSGANRAWYTAQQERALAQQQNMVGEANALAVAKLKEMANMKPRY
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QAFVEYTQPDAAELAIASMNRSLLNREIMVNWARSPPKRGDADVAKHGENRRSLPQPPVA
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>comp12402_c0_seq1; 345 336 2352 LEN=2951; translated
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CPVMFAMFETESWWGIFLGQILLATCLALVTGGMAALEVELWMADPTLSFTGVAVGHNTA
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>comp12402_c0_seq2; 221 336 638 LEN=3122; translated
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>comp12402_c0_seq3; 215 336 2309 LEN=2908; translated
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GNDMCAILLYEGTGGCLGLATSFLVVFAPLGTPLPRGQSDEESKFWAERNEQKVIIEQVR
EAEELDNTRPAILDLMDSPPFRRLQLAGMIGLLSATTSTFYVFLFPCPVYLSSELKGFMTQ
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IFLGQILLATCLALVTGGMAALEVELWMADPTLSFTGVAVGHNTAATLFGGTMPPLVATAL
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>comp12402_c0_seq4; 433 336 2138 LEN=2737; translated
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>comp12403_c0_seq1; 537 142 1688 LEN=1805; translated
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VT KQQS FYRGCDKNEKTKVAQIVDHIQNTVGGRFLELDREVKQWFLV PNVVARRKVGQALR
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>comp12403_c0_seq2; 587 142 1584 LEN=1701; translated

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>comp12404_c0_seq1; 326 67 711 LEN=956; translated
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>comp12404_c0_seq2; 223 187 576 LEN=830; translated
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>comp12404_c0_seq3; 223 187 576 LEN=821; translated
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>comp12404_c0_seq4; 326 67 711 LEN=965; translated
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>comp12405_c0_seq1; 502 547 1854 LEN=1886; translated
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KQLTALGMLGLAFKDAGAINRNERNEI IHNSCFYLSLATS YLWGIGALS FHNSEENTKE
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>comp12405_c0_seq2; 402 547 2003 LEN=2035; translated
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>comp12406_c0_seq1; 801 1 2623 LEN=2849; translated
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DRIRQEF SMP SKNGVRPRANNSQKQVREFQVADMR SNEEKMQEQVRQYRQSSTEEETL
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FANTS RMLKEVCGFPLSDYKGSKQFVHKKT NMGVYVGR T LSVVVRVSTPGTFVEFS INKK
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LFLLSIPGHKRHLKIPCKELAHRWLSVVLVGVFLAQSLGDNKQLQRSIVDWFNLS
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>comp12410_c0_seq3; 457 209 1656 LEN=2058; translated
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>comp12410_c0_seq4; 394 696 1744 LEN=2146; translated
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KLIDYQGF CAGPKTIAESSKENLSDAKEEKQVDGRTMDELETFESEEQASFQPIEPKEC
LKKLSDGWTPWVLDVRLKTENDIVALPFTDKVVPHRMVRVENVPKSGDILVYCKAGVRGK
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>comp12411_c0_seq1; 1678 24 6263 LEN=6486; translated
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HEL SAPLLQHVRDSLIGDFGETDAVRTFDLLLDIANHDPDRRRCARRVLTNAIGKENLG
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KNYGVGDWDFASLFIELVSKRPTVFANALSSYTDLRSLAIEVVGEEFRAYVDGKISNLS
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SNTSSLRSVQSLFDVAKKHPL LLLLRKLEMMENILEKDASDMGTAGADDKAGLVRGQGLNE
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>comp12412_c0_seq1; 203 1 1055 LEN=1677; translated
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GWDQFVTSGLP EGNFSYENNYEYEGADGKVKL KTHPSRVVEVKRGYKDIVTLYNSTENV
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>comp12413_c0_seq1; 242 690 1391 LEN=1521; translated
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RRATYDQTL DVLRYAKSVGNCLTKTSIMLGFGESEDEDIMETLQDLRAADV D VVTFGQYLQ
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>comp12413_c0_seq2; 316 151 1281 LEN=1424; translated
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NIETVRRLTPKVRDRRATYDQTLDVLRVYAKSVGNCLTKTSIMLGFGESEDEDIMETLQDLR
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>comp12413_c0_seq3; 281 151 1254 LEN=1384; translated
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LTSVDRDDLVDQGSNHFREVIQKQKQKPDLLVEALTPDFQGNQEF IHALATSGLDVYAH
NIETVRRLTPKVRDRRATYDQTLDVLRVYAKSVGNCLTKTSIMLGFGESEDEDIMETLQDLR
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QCLQSWF

>comp12413_c0_seq4; 277 690 1418 LEN=1561; translated
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>comp12414_c0_seq1; 570 76 1923 LEN=2130; translated
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FHRIVADNPEKYFDPTPHLKDVLGNLKDSDGKRLIFASNSPFWYVDAGMKFVLGEEWIDI
DAVIVSAGKPAFYTETRRPFREVNTEETNRVRFQKVEKLETGKVYTEGCLRELTKLMDWN
GGDSVESMGPLSMNSNVLYIGDSLFAADLVDAKREYGWITAAVTPEVGFELDVQSSNDHVL
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>comp12415_c0_seq1; 219 1 1201 LEN=1619; translated
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AEERAQEQGARARPRLAAINTAVEATTVNERTHRLRPQDVFRLDNIRAQDTLVVSI
GGNDVAMPMPCTILSVLSLVKMPRLRCLESASCVCASPACDEHCHGCGPVALSSCACA
FPCLGYAVHLFGTRVQKYIEKLTAKTKPKRILVCMIIYYPDEAMTPSWAGNALRCLG
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>comp12416_c0_seq1; 787 1 2685 LEN=3355; translated
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RDACEKEDRAAEGISIEPQTPASSSSECFSSPMVTKVDSECSRSISKQCLSVRSPPLSTA
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SPTKTCDSKGIAPSLSSPPKQVELDLEALGNRLKELFKQFSRVVGRAGRPRNIIQRS
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ALAKAISNCNGEHQRKRVRQFAAFDDSAVVRAPSDVLEGSYKQDDCITALTDLLDVVE
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WGDHWNDTVHSAAKKLARLACSNAIQPEDLHILLGIPVNGLLDRLQDILPLSRKRYEIV
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>comp12416_c0_seq2; 787 1 2685 LEN=2955; translated
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WGDHWNDTVHSAAKKLARLACSNAIQPEDLHLILLGIPVNGLLDRLQDILPLSRKRYEI
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>comp12417_c0_seq1; 358 163 1119 LEN=1220; translated
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>comp12418_c0_seq1; 89 1 1452 LEN=2143; translated
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DSKLW
>comp12418_c0_seq2; 213 1 2445 LEN=2496; translated
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LYSWYHDYRKERIEDFDDLTENEKKIESLWNRFLGCS
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SRTAITSQDLVNTFPVLDTAIKWP
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LLIGRSSIKGAGLGLFTKNPLKKGDI
DEYIGEFIKREHEVNRSQEYYFDHSDDYVIDATYQGNKTRFLNHSQTPNIEAKHRFVNGEKRIAFYAKQDIP
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>comp12420_c1_seq2; 263 1 1301 LEN=1301; minus strand; translated
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GGDETGGSGDPQQHQRTDPLDDLAWIRAE
LVEWVYSNLVAKWAVISRKGRSKLAGMFS
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HEWDECDVHRLVSLFLGVRFPMALCLNK
YDLSSARGFVDKIQESL
PVHGAHAGVPLSARKEMEFVREQMAVEKLSGGAPPPGAASGTP
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>comp12421_c0_seq1; 272 120 686 LEN=1147; translated
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>comp12421_c0_seq2; 192 120 548 LEN=778; translated
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>comp12422_c0_seq1; 244 1 1555 LEN=2878; translated
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VCFINHYYLFFLLATLMAFYCNCGKDNVHNKAGWIHAIRGQIVVYAFASLWKFDSDWLN
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QALGLVFHGF TAYTMAERIGYSFPLTMIFSGFAFQRSDVVDKQESLGGDTLSHFQWLSL
QIQWLK RANQCKPKHAVQQHVVKTKKQILPLLFLVIQWLIPLR MPLVSHGFEFKYTFEGYR
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>comp12422_c0_seq2; 206 1 1428 LEN=2751; translated
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R MPLVSHGFEFKYTFEGYRWSWTMMLH SKFNIKSPGLSFMSLRPKCGSHFPFNPLAKEYPV
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>comp12422_c0_seq3; 206 1 1428 LEN=2620; translated
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R MPLVSHGFEFKYTFEGYRWSWTMMLH SKFNIKSPGLSFMSLRPKCGSHFPFNPLAKEYPV
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>comp12422_c0_seq4; 328 1 1927 LEN=2516; translated
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>comp12422_c0_seq5; 328 1 1927 LEN=2647; translated
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LDSMLFLVLMFLPPGHKLQALGLVFHGF TAYTMAERIGYSFPLTMIFSGFAFQRSDVVDK
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>comp12422_c0_seq6; 366 1 2054 LEN=2643; translated
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QALGLVFHGFATYMAERIGYSFPLTMIFSGFAFQRSDVVDKQESLGGDTLSHFQWLSL
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TSVLQMFPRQMPKLSYFVEQKIGDQCPKVMTMTTSYFSSVNDGPYHRIIDPTSDLLEVHR
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>comp12422_c0_seq7; 244 1 1555 LEN=2747; translated
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VCFINHYLLFLLATLMAFYCNCGKDNVHNKAGWIHAIRGQIVVVYAFASLWKFDSDWLN
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QALGLVFHGFATYMAERIGYSFPLTMIFSGFAFQRSDVVDKQESLGGDTLSHFQWLSL
QIQWKRANQCKPKHAVQQHVVKTKKQILPLLFLVIQWLIPLRMPLVSHGEFKYTFEGYR
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>comp12422_c0_seq8; 366 1 2054 LEN=2774; translated
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QALGLVFHGFATYMAERIGYSFPLTMIFSGFAFQRSDVVDKQESLGGDTLSHFQWLSL
QIQWKRANQCKPKHAVQQHVVKTKKQILPLLFLVIQWLIPLRMPLVSHGEFKYTFEGYR
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TSVLQMFPRQMPKLSYFVEQKIGDQCPKVMTMTTSYFSSVNDGPYHRIIDPTSDLLEVHR
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>comp12423_c0_seq1; 646 16 2288 LEN=2426; translated
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TKSFGGVRWYPVRPYGRFSGISDREGHVACVVSARKVISNQVVDGLSMSSESSEEGQLARIRE
RFVVIITGGFSDDDSVCKFLNXLKSVTFRHRWRDLSLIPKFLFFPEPIDIINAGTGILEDN
PRNSERRLHRWSVKRLEPRSGSSFVYGATLTALPTEYSMTTNGECQPRLTVMRAIRFGG
FRAGGYSGETSQVSMLTLTQEAHARRRHRGKREPERKHDNEGDESEEHAIIDMEWQWDQQ
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SGGVCIKGIIPKPRFTGVA AFLNEDGYILTHGGYCSQDHDITIGTMDVLDLAPAFRGQPLS
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>comp12423_c0_seq2; 610 16 2437 LEN=2575; translated
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FRAGGYSGETSQVSMLTLTQEAHARRRHRGKREPERKHDNEGDESEEHAIIDMEWQWDQQ
FKCDWSNISTTGVISGDHDVEGSPERYFLSRAYHSSTLLLDRLVVLGGMKCRILLIRVS
LFRKEGEGLDGCSNLSFLNDRALGNLPTSFFCIAFFAADCSILNEAILDTKTWTWIG
EGRISLGADGIDSRPSGRHGHSVVLDDTRNRLVLFGGGSGSDLLRSGDDNSEVWELQLGD
KWQGDHFAASF PWKWKLLHNSNRRYGNSESEHNIGHDTENAERLLTSLPSETLCLGRCH
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KPRFTGVA AFLNEDGYILTHGGYCSQDHDITIGTMDVLDLAPAFRGQPLSSSFDGLPIDH
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>comp12423_c0_seq3; 667 16 2342 LEN=2480; translated
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TKSFGGVRWYPVPRPYGRFSGISDREGHVACVVSARKVISNQVVDGLSMSSEEGQLARIRE
RFVVITGGFSDDDSVYI INAGTGILEDNPRNSERRLHRWSVKRLEPRSGSSFFVYGATLTA
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YHSSTLLLDRYLVVLGGMKCRILLIRVSLFRKEGEGLDGFCNSLSFLLNDERALGNLPTS
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VLFGGGSGSDDLRSRDDNSEVWELQLGDKWQGDHFAASF PWKWKKLHNSNRRYGNSESE
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>comp12423_c0_seq4; 703 16 2193 LEN=2331; translated
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RFVVITGGFSDDDSVYI INAGTGILEDNPRNSERRLHRWSVKRLEPRSGSSFFVYGATLTA
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SNRRYGNSESEHNIGHDTENAERLLTSPSETLCLGRCHHGKIKISRDTVLLFFGSGRPST
NGVIAAYDLKADVFFRHDQVSQPLSSSTTSGGVCIKGIIPKPRFTGVA AFLNEDGYILTHG
GYCSQDHDITIGTMDVLDLAPAFRGQPLSSSSFDGLPIDHQVSYANVTNSQADRWRQDP
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>comp12424_c0_seq1; 190 1077 1591 LEN=2226; translated
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FKEADQKTKAYQTDDNSSTKYSSANSRYIRENRGAISLRFQTACNINEVVW

>comp12424_c0_seq2; 190 1400 1914 LEN=2549; translated
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>comp12425_c0_seq1; 422 1 1405 LEN=2001; translated
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PDKPDKIPVGVILEKGFDFEQQIDGAVEFALRHSLWKDEEERIRRRNTTQEKDYYTDTDT
DRVTTQATWHATTQAEALPALRNDTRLAEAEHAIHQEKLASVQKLHDPKNDHTSHTADEN
EKNYPPIWIKTMHVHQERGLTATSACCLAKHFYGEDYILLGLGDTDSEQNDTGVSPLAELV
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>comp12426_c0_seq1; 1045 562 3689 LEN=3770; translated
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MIVAQLIVGILWLRLVLLNKANDGEILEESVAHRVSPLAFEYAAALMTIFFAHNLIFTLFA
YDEDDDNICYEKNNSQDNIQDYSTDESYSGNNSREERDEEEGFTVTIDGDVIDTNS
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SSSDSNQNLINGDATLTKNDSFEPQMENMCSYVSTFLPYSQNEDEDERNDDEGQTLSDDDVAH
LERKSNQVFSALAPTVTSSASDIAAVHTLARNNSDIANRPTTNEISLGQHDSYSQDKSLH
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SQMASQHRLLRNNTAQRCKREPSLVPALLEATTFSSDCVSTLT'TDLDDEGDNAGKSI STSS
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CDRHEAGPGDGSRRPTPIGADDRGGRDGSKGGTGIAPAPVVRATTKDAAPERGS GSGSA
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VDGIPLVTQNPDASQRHGQGS

>comp12427_c0_seq1; 448 86 1387 LEN=1710; translated
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QFNPKIWWLELGLNDLGRSRCSEEVVIVGLRVVEEIMRLKPKDAKIVVNSLFPMAFSD
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>comp12428_c0_seq1; 289 1 1772 LEN=1876; minus strand; translated
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GPVAEKQGPHVGPVPRPPDQPGPAPDGKDLELHPAPEEGGPSAGIVPSAVLVVPRPRL
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>comp12428_c0_seq2; 287 1 1754 LEN=1858; minus strand; translated
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>comp12429_c0_seq1; 133 191 494 LEN=494; translated
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>comp12429_c0_seq2; 427 191 1486 LEN=2026; translated
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LMEGGELFDYVQKGLTTEDEASSIVRKVTSAMVYMHSONIVHRDLKPENLLLRKPN GP
HDSVDVKI IDFGLSKCMTEPVAQSFLGTRGYLAPEMLQRRNYTKAVDTWALGVIVFVLLC
GCLPFDDSTTVPSDDLVRAKFVLRFPWRWAKNLSPSAKDLLSHLLDVNPARRYTADQALD
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>comp12430_c0_seq1; 256 34 471 LEN=949; translated
MTDQERTQKIGGVRIQDGEEVFGVAHLFASFNDTFVHVTDLSGRETLVRVTGGMKVKADR
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GRIEDVTPIPSDSTRKSGRRGRRL

>comp12431_c0_seq1; 420 269 1309 LEN=1764; translated
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GGFSGGSKRRPPMKAKGIYYDSTTCDVRKESDRTLAIGENGEAEYVPDWIASNLEGHQR
NVPVLVRRPEYDCYNEVDDKLLKVMIKARKLPQEPGYASNHIMVNAARTIRNVPPLR
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>comp12432_c0_seq1; 492 1 1709 LEN=1769; translated

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>comp12447_c0_seq1; 553 102 1280 LEN=1402; translated
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>comp12448_c1_seq1; 590 146 1483 LEN=1515; translated
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>comp12452_c0_seq1; 802 1 3323 LEN=3953; translated
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>comp12453_c0_seq1; 168 1 707 LEN=1162; translated
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>comp12454_c0_seq1; 396 244 2043 LEN=2325; translated
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>comp12455_c0_seq2; 908 159 3631 LEN=3916; translated
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>comp12457_c0_seq1; 203 1 1322 LEN=1662; translated
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>comp12458_c0_seq4; 344 984 1610 LEN=2432; minus strand; translated
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>comp12458_c0_seq6; 344 1087 1713 LEN=2509; minus strand; translated
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>comp12460_c0_seq1; 395 70 1512 LEN=2272; translated
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>comp12462_c0_seq1; 1001 105 3038 LEN=3236; translated
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>comp12463_c0_seq3; 444 162 1136 LEN=1302; translated
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>comp12470_c0_seq2; 417 172 1986 LEN=3466; translated
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>comp12471_c0_seq1; 281 215 523 LEN=962; translated
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>comp12471_c0_seq2; 523 323 1705 LEN=2144; translated
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>comp12472_c0_seq5; 415 250 2442 LEN=3109; translated
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>comp12475_c0_seq1; 833 166 3045 LEN=3370; translated
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>comp12482_c0_seq1; 199 157 1140 LEN=1498; translated
MTSHAFRRLSLLLAFLCLAPFSFCSSLLVPKEPKGGPPSLFYQEDGELFSGMAEKSNPIS
DGNSGSSDQLYSESVETDDFISCE NDFVGYDGYPSYHTLEPALDILVDWTLDYADA VDLA
GGMTRVSVGVESMIAEEFVFRSPEIGPVSKDDFINLMNYQYNGLDLGS AIPDLTVSYEG
WHQDPHPDWRIWTVARYSGTHTGTARLPGSGLT LSPSKDPNEQVRFTTGPELQSFKWTPS
KKLIFQTVGYVGDHYTGSGQG HGS LDGLLVSMGLPPLYLETTEPIRNVQNWFSQFRKSD
CPRIKSPYSYLPQWWHERKDSGHNIQR
>comp12483_c0_seq1; 515 137 1786 LEN=1858; translated
MPCDYSNIEHTNSSEEEEEDES RKKRGSSTRKNESEHSKVRSDRNISVDNTSCGSSAKTN
ALDDQIREGRGEQEA IPTPTSM PMSDSSSMVD TNANVPIATTSRTDDRSHGSNHSYRT
FTTNEQQEKQRHQWGEIWDLES ALLYLVLQGTGSR SNGYNNCETKWV VHNKDRSNTNKS
FSKKVEVQISDGDANRDKDQDQSIHRDDDSKSD ETAVVREYLTPEKNSWIRFRAAHAGDA
SSIAQWYRRKRSE DGNHDLCP SNSSTMESTTNYETTHDRSDSNVVEE EVVSDQHEDPEI
DKHAILRNASTSDESSDRQRQGST RNEEQERH I PHGGGEEKEGEAHSSSLQLEHWLA
EGLGDENTCPCVYGLLAVHRLPNETTGK DSSLQDTAIDNGLNSSEAVNLLPLEYSNGST
PCHDDQIQCLAAVLLSLSWTS GKRNLRIEWMSIDANQLQTGDEALAVQQKIWLRIHTLS
VMTACEAIDVDEFVLCTATTT SALQQQSILSSSA FEEEEPLNDGNRTKRRPKNDVTPQPTR
IDRVVPSPE
>comp12484_c0_seq1; 828 1 3307 LEN=3654; translated
XNPDYNLME TFKSTSGVDSL LIPWKRVTQHKEVAQEIQRVITKKSEESNKVLDDLAKEI
EENELAALMEKQVLEAREN FESAKKAQELSNYLHRQA ILLSDLEVKLS ENFIVTNFPFDP
RDNHYTFCIHCGCAGDLLLCEGCSNVSHPKCAGLETVPEGDWFCNK CISKSTTSRTDSNM
NGLNDATTQDNKQSSIDIKTKGLDEKAKSSSTTEKGMDQNL YEDDDFCQKSI PSTIPDND
MGRSSGKSEVQHTADGVKLEVQVPETGERDETPSESIKASGMPMVNAQIDRNVIQNSDM
GQKEVQHAPDVVKSEVQVAKTDVTDQTSSESYIKASRTE TDNSQIDRPV VETNKVASHPE
IDDHELEKNQSELKLLANLIDQRVDLKPNDNHTNVQKPSIEQKPSFGDPLDILDDSHA
REFLSFISIKSAAELFSMESVLI AKDLEQWRKEKGMKPLAPRGSISTVNSWKKMVRARSA
EITSKMEEHRRLSYCFQSLPSQAQEFCSYIGITDPEV FVGMGTKELSKQYSRWRKRRKMS
VLNGTGSCAYVSKWXSIRKALPSYLTAGENSGVHVLSL SKCHIKNGFKVRKLFEDGNYYM
GQVVS GPAEVLEEENGRMVLCKVKYEDDDEE EFTLEELWLGIDKPNRYELSTSSETDQ
KSTEKDFGQKVETAIENVEVDLKL TENKVEGEIEREENVEVNYQSEENPIKLEAERGKKN
VEVDLQLTGKIMDRELEIERPKNIEVSHQSTENPVKRGAEIEIDNVEVKAGIRRTRNLEM
EEKSEKNADNQAEGVDKVDGDNISNQERTKLAIEEEEEEMERIVNITQVEHQKKSPTPLSD
QQLDIIVVESEEEKR SSKVIKVEYREDPIPRMNKSKDKQISRTEKETEVKQRRMRKAPK
ITQRADSIQLPKIRGHQQTRK LISKVTEVEYREDDLLSVPNKIDVNGDGYTTEAVVTKV
ERSRTSEKRTLSDGDGKKKLMEQQKPEETKRRRSRRSGRGRHYNEETDKCDETSNEGLAH
RQKQKVTMNEVEKPKRVVTNITHREAGRPHLMPAIDEIVGRRSTRARSRTNEEQETDTK
DIVASSAANKGLRRSSRSL S
>comp12485_c0_seq1; 240 1 687 LEN=937; translated
LCHAHISLIAASSDRRNRTRKDKDFNAMKMLKNRLTITVLLLALGTNFFAFASSPQLRSPN
REQRTLAASLSTIPQDQYQRTLKGRGGSGSSSSSSSSSGSGGGGGGSGSGGSGGSGE
DEISSAEDGSGWGNSTDTGETESFVAAS AISGVNGRSANDIMTNLFDNDRPAASIIVA AVG
GLLCMVFLLSAMAILSFKILTS CRSDVEDDIYTTNNKTEQLMKESLEK
>comp12485_c0_seq2; 164 1 369 LEN=566; translated
GSGSGSGSGGSGGEDEISSAEDGSGWGNSTDTGETESFVAAS AISGVNGRSANDIMTNLFD
NDRPAASIIVA AVGGLLCMVFLLSAMAILSFKILTS CRSDVEDDIYTTNNKTEQLMKESL
EK
>comp12486_c0_seq1; 434 87 1193 LEN=2090; translated
MSKETNLSSSKKYCISFEDVKAAADRIRGVAHRTPVMTCRSLIASGQHDDGKDYFFKIEA
MQKTGSFKFRGALNAVKAQLELNKANDQEGALSSITPVVTHSSGNHAQALALASKMASDG
NTTVAATIVMPNTAPLVKKNV RDFGAEVVTVESTNEARKEGAERIVASTGAVFIHPS

PKVIAGQGTVCLEFVQVRELLNGNGDLDAVIIPVGGGLSSGNCISLRALLGEKVKIIL
AEPPELLDDAKRSFMEGKLLKHQPDNKLDSVADGLKTTLPNTWPIIQDFVDDIITVSEEE
ILRATKLVWERLKVAIEPSAGVGVAVAQSIENFTKYKKSQSDGVKNVGIILCGGNVDIVKIA
SKMKEIGI

>comp12487_c0_seq1; 145 1 415 LEN=1111; translated
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MIRPFAEENGFRVLSASVVMHGSLAFVDFDSVAAVHAVLAQHRYAPFWWNGMPLAIAQKS
SPYADPRGPYGGDGGGGMW

>comp12488_c0_seq1; 480 100 1968 LEN=2131; translated
MPRTQQDYAESLPTVDPFVTRKRTRTGNFAFKKRKSLRHSLLRNLCFFTIASVFIISTL
EHTLTTKEWYSNENYEDKRCRQLKPINPNLDLSNLSPEKRFRAVQLAISHAWKGYMNV
ASLDSFWNEGGGFIPHDDLNPVSKTGHSWLHYAATLHDSIDTLYLANMTIEYEQAVDWLT
RYDIQTTSPQATKTFEYSLRILGGLLSYSLSGDTRLFAAARNGADSILEGPFQASPTII
PRPFNVLAPSTRSLNSCTVWWDWKASIQRLYKAIYSTARNRFTQEHQTNSLAGFGSFGLE
FAFLSTVSGDPRYRQVSDIEIFRHVNAHEKDGMIPIYSWDVLTGKPNSTRLSGSGSDSFYE
YLLKIPTLNRCHYDAGMEMYTYPCTESDKQHLELYEKMVKKQLTRSHTKTTSIGVFPVDF
GRRYDHLDCFVPGMLALGSSTRYPGSKSLVDDQDHLRLARQLLDGCATMYKDSKTNISPD
TGNFNGDSFSSSEDPYLRPEYVESLLVYRRLTKDEDLQERAWGVFQSLEKYCKIPSGGY
AGLKDVNDPMKGHVDDMPSYFLAETLKYLLLIIFAPDNYVSLDDFVFTTEAHPLRKLNSLE
PEPGEDELPLCVLQCRPPTVPVW

>comp12489_c0_seq1; 443 144 1384 LEN=1705; translated
MALPKFPRKNDGSTSRIIIVVTVVTVLVLFVSLTKETSTITMESYVSRATSTDMVYGS
SGERRRSMMEWRDSSKNKCNELIETIGKNVDGAAMDQKESLERSFVSKISLNAQPSKISG
SKENPYQRCRNVFIDLGSNIGDSVGYFIDNAIDVCSPMWAAANPETKLGVRWFPRPHLNV
TSLEFSHRGSKANPLFGLLQQQMKESPSATSESFVYXGEGNPTFTERLTKLENFINDMN
PRPIQHVHIFTESVVTATDGPTKLYLDKTSVEQNFWGSSILSSQQDAVKSANELNNGNTF
SADVTGIKLSMTMVQSTMMALKADATKEEQSGLLIVKMDVEGAEYQVLKEVAASDILCKL
TSLGNRVVVFVVEYHNMSITDPAERREKDGFDQAVKKIEACGVEFKSLSASWA

>comp12490_c0_seq1; 464 226 1833 LEN=2328; translated
MILQIQVTPFVFLFLQTAYSLSLTERVRVNFRRSGSFGRHRFHGGFARFVAKNPSLRSDVLH
SNKFETSNCNEQNYTDEYDNENRDGYHKYSKIRKGEIYIEDDFLSPVEIDALRKDIVQLQ
ENGLFKPSGLSNRVEGDKNIFGSTDRLTCTITPDLFAGQKKFSSARFLVEEKMEHLKQKL
QVILAHSSKDGKQLPHRIENREFDLKLELSEMYYSISPKGSNLPRHQDERHEDTKGVKGY
VNQTRRSISWLIYLNNDENWGDTVADIRTNSKRKIGLPKAITAHSTHNAKDNGEDATGLGG
ELRAYCRRCCPDEYVRCGSNEGDLQVWLRCSLSPSCSSPTKEDCEFEPFLDSWVKTNV
QRLLTKSTSDESTDSSLEWQPMALYRLRRSSELILPPKDQTPWPVPVVEEYNNNEERNL
SLREYISEPFGPNPSWPLEQELEPIAFTKALALQLRKKDHRSRFVGMEDICREDDTDYA
SEFRIVDVVPRGGRLVLFDSVTPHEVLEVTETRLAIAAGWLHEPVQEFDPDWYGT

>comp12490_c0_seq2; 464 226 1833 LEN=2209; translated
MILQIQVTPFVFLFLQTAYSLSLTERVRVNFRRSGSFGRHRFHGGFARFVAKNPSLRSDVLH
SNKFETSNCNEQNYTDEYDNENRDGYHKYSKIRKGEIYIEDDFLSPVEIDALRKDIVQLQ
ENGLFKPSGLSNRVEGDKNIFGSTDRLTCTITPDLFAGQKKFSSARFLVEEKMEHLKQKL
QVILAHSSKDGKQLPHRIENREFDLKLELSEMYYSISPKGSNLPRHQDERHEDTKGVKGY
VNQTRRSISWLIYLNNDENWGDTVADIRTNSKRKIGLPKAITAHSTHNAKDNGEDATGLGG
ELRAYCRRCCPDEYVRCGSNEGDLQVWLRCSLSPSCSSPTKEDCEFEPFLDSWVKTNV
QRLLTKSTSDESTDSSLEWQPMALYRLRRSSELILPPKDQTPWPVPVVEEYNNNEERNL
SLREYISEPFGPNPSWPLEQELEPIAFTKALALQLRKKDHRSRFVGMEDICREDDTDYA
SEFRIVDVVPRGGRLVLFDSVTPHEVLEVTETRLAIAAGWLHEPVQEFDPDWYGT

>comp12491_c0_seq1; 579 34 1002 LEN=1044; translated
MKFCAAAILALSAAPAHFSYLDLTLGGAAPAVAAPAAAAEPPFYFTDEVTDQSADSPA
YFTSGSEDVPASTSSGYLDALGGVSSAPSVAASSPGTAGSSASYLDILNGATSVTGP
ITSYLDALPKNAAVGGAGINTYASSLNAYASEIGASIDAPAPVAAAPVAAAPTVAAPV
AAVSDVGSVAGSSASYLDALSNSDSAVSGAGITTYVETLPLTSVLGGAGINTYASNLVS
SSTIDGAGVPTYADTLGGGIPSFNTSFPFGESSIAVSSNEVEFTMGSVTGEFDF'TLEAS
AEIIRQLKAAGPNGVTITGRFY

>comp12492_c0_seq1; 1328 368 2803 LEN=3003; translated
MGRKGGKRSEALRSDRSQTPKIVENINDSDDEEIPEDAEFNSEDERLYGHFFADDGEEDD
GEKSISSTSTSSAEVTSSEDDDDDDDEDGGQYMLDLLNKLDSDSGTGDDKNNDKISVAQM
VKIPESDYSNSISKGLTLDNLMGIQDTQGFRNLQKSFSSKPSTTPAPLDKKTSSRAER
KIAYEARSRDISRWVDVIQQNRQAESLDFKPKERTGLTRDMLVDKFKAKTDFEREIEEAL

EEAGQQDEEAVLKKEEEALQDDLGANRLTMEYYKKRRGQLAQIRALMFYHERKRRHQMKKI
KSKKYRKIRKKQRDRDLKESAIESALEDHDQDLAQELKEKEEVARIQERMTLAHKNTSKWAK
RILKRGKNVDIDTRRALSAQLKRGDDLRRKMMGSDEEDNHDDSEDENLIESARKVLQETE
DDLDP TNGKTGLFKLSFMQKGVQRQRDQAREEARLKLGELEGNETDDYDDIVENEKEDD
LDGKVEKTLSSKEMSSVLEKGEVATPLEFGNSNAIATSNGIEIDLDMNNSSDAEVSNH
KRVPSVAANDGNISKYVTLKEFDKVPKALDHRSSSSKEVLQKKSMSKENKKAS IAGMKQT
MVENSDDINPWMNSKSETRSSNKS AKKTKRKG I IDIEGATDILDAEKHDDMDKQRVKPG
GKSLSEENGNSETKKITSLTQEELVRRAFVAQNESEIEEEFKKEKESIVVENDPTRKVEK
GQGASEEVAGWGSWTGQGAPPPMPRKLPKKLRLAPKKKKEKRRFDDYKPDIIINKKRLKK
AANKFMLADVPQPYASRVEYEHAMLG VGVGREW

>comp12494_c0_seq1; 905 1 2190 LEN=2330; translated
PETLMRKAASPDNGNEDGNNDAILDENGNSLPHPDAMKSKNVANGKGEEDLENLDGNG
NSLPHPETLKENYPVTMLQKIRAF AAGESGDNDESILDENGSSLPNPDVMKSRSGSNSEE
DEDLENLDGNGNSLPHPD TLMRQSKDKALAA TREICADGYNDNDNASENGDIILDDNGNS
LPHPD TLRGMTSTDNLLADIESATNAQDNKSSNNNVDDCSSNGEDRLDCGGNSLPHPDTI
KASATSVRRRTASSLFGNIRRSVMSTLPGISILNYSEIETPTSQDQDDFRDEENAVDDMN
AVASRSTLDAALLRQSDENRNALQHSGASFRDSSRSI FTIDDSIESNFISDSNSLSTFG
GMSRMSIGRSTGKLLDANGSSSLPSQEEGASSGSASKHSSRRLRELQGSFLSTLNARASSS
SLRSNGAAQREQE EFNFDNAYIEGDAGIDEEYGRKSGTWHSNRDVEFDNNGFPVAYRVD
RFDDERSRGEKSSNSRKERIQKLFKEQTERFQDQRYSWRLGCLLFAVFLIFLGLMIPL
ITLARERRQRIAVTAPPVATAPTESPIIETIGYDVDCDDEIDLVDENGKKVGDSENSIVT
LSGNSDIVACYTTEQPIMFRFKRCRPSLDFTGVPPLGSLFMDQLWQPYYAASYLCGEQP
CPSGGANPPI TKVMTGPP IAKPGDYRIFLVKESLWPYEYSVYTPLFRVVEDGQECPI PDD
QIVTPVPVN

>comp12494_c0_seq2; 113 1 201 LEN=201; translated
XLMRKS IKTIEGTNNGDNTDNDAILDVGNSLPHPD TMSKKNVANGKDEEDLDILGGNG
NSLPHPET

>comp12495_c0_seq1; 192 156 431 LEN=717; translated
MSRTKAMIVSHSVVFLGLGVTAAKLYDRDELNSYRGAYEKPMQRFRRWAGNAAMGTVALGS
LWVALAVAGRGGKKEDEGGGCCGTGGMAESR

>comp12495_c0_seq2; 177 156 693 LEN=732; translated
MSRTKAMIVSHSVVFLGLGVTAAKLYDRDELNSYRGAYEKPMQRFRRWAGNAAMGTVALGS
LWVALAVAGRGGKKEEAAVAAGPAGWPSRGEAGRAGPSPAQPGTQGSQAQIGSQRSTQN
KIGGKETDHLGISSGSI AVRWWVLARDAQHRTSPTEWTARSLVDTDVVGFPPQNVPKQ

>comp12496_c0_seq1; 549 42 1415 LEN=2092; translated
MSAPSKRSVKFMESSDQPPPKWSRPMGSNSNSGSGEAPRNRNPPGVLRPSSHRVHAGNH
RGRNQRGNEDELDDIDDWNEQEDGDHIGDQGLPTQSOLIEVKRRRREQRGERIAAFDGD
HPDEAEASLATEGVRIEPFHMREEETDGTGYFDGDTYVFRNVPAGDGEADAWAD TLMRD
GDDGDGPAIGIATSVRDLSSSSSSSSAATS AQEDLDGLSKEQLYERIVPLLGDARES IMQ
AIQRYGR LAKTKNGKKHRRNHHHHQQQKQKQPEAE SGNNDNGRATDVAKSHLDDLTGVAN
ALLLKGEVNIYDASRHDIFRRFP SLSTQPGSKPDSGGPAAPLSKNVKWEYQGNEDKQLHV
VTTEQMIAWVQSGYFVGAQRVRIRTI AVQGEGNASKPESAEP SLSTQDDMLADLMDDSE
DEEDSRPAKKARETGSTTTVKGEWMSDEVYKMYML

>comp12496_c0_seq2; 174 93 1043 LEN=1043; minus strand; translated
MALPYLAEVLCCGRPLSWQAATHPRRTVLR IAGRVALAHKFVRFVAVPQSVSGVSSLARWF
RIGVPDPLDEAYLEPVPAGSAAHRFVVPAPRGCVRPAIAAAVVF AASSVVSAGSGALAVE
NLDHGHKRGPDQVGPGRGGRHKLLEP VAGGLVDQAHGVRGVVRAALFREPEGP GTV
GLVDQHQLFGLPLCDAGLHVQAF AFAAVAVASKVGGPDDLVPGPHRVRVEELED PV
PRVPIPRGPVGH AHPGVHPVRDAPLGD RRAPAVLGGSHHVDPPFRELGPEDGVDRR RAK
VDRGEVGGVRGVVLRGD X

>comp12497_c0_seq1; 485 139 1884 LEN=2344; translated
MGTAKFNCSIFFAVLVCFFLCAQTNGTLSQAQEKIGSNDEPNCSGSDVSKDGEISYCREH
QQLHVPDGCRLVLAKVPSSELEANDGDQWGTYTMVPRKKGTPVSKNGDIVIQWSDPI PAS
SYDFIQSKDHRMLRWMTWNGQETGGQYEGQAVESLVTGIGMTARSTTKKHRRNNMLPLV
PRVDDGSLTRFDSPGAGAITRYHNYTWWFLKDLEAGDELVYSVEGKTSSSHTQVATAQNK
IKDDNERERPSLEYLNANGYCLDNMRPRKSRIEGAGRGAFAVRDLPSGSVVPVVALVH
RDELRTSNYNQHQLVLNYCFGNSSSWLLFPYTPIVNLI NHYNKPNVELRWSTANRQSDG
NFNTTKTMFFELVATRP IKMGEIYLDYGRDWEDSWWKHVRETWKPSNMHYTPSYVMDDA
IKMIRTEQE QKDHYPDNLLTSCFYRYSRSEERITAENNINKESLTSFRWHLTKGLYD
MKNLRPCKVLKRIENQSGRSAYAVRILNRPGLDVGEIIPRGELHIVTHVPRAAIRFS DKE

GTTDQHLQYAFRHEIGLPEKLIIPSSWKISETDNSLMKQKEP
>comp12498_c0_seq1; 457 167 1054 LEN=1253; translated
MKTSILCSSIVAMMASNASGFAPTNPSASVSSTRIAAAAEEGDSRREFLSKSVATYTAAL
LASTGVLAPLPANASPTDKVNALKLSYGLPPLTRVVPKGMKPLLEVYGKGRNRFPLLVQMC
HPLTWVWVQLPSNDVNGEDGTVQAGEYAKGDTATFFLYEEEGHVDNIGKADKALFERALIK
SISQKGANMYQNFKVTKVAPQTGNPEYNGKDYVLCDFKYELLTGAGFEVQRRGVASITSE
GPGVEVLWAASTALRWGKTEETLRDIVGTFRVYGDGLNFSEEIANKDARFNTDVY
>comp12499_c0_seq1; 203 41 837 LEN=845; translated
MTTINSLGHARGVLNQQRRPQKKNGLPVLVAFLLGIVAGRFGSPATDRKVPAPPGASAR
GNAGGIGNPPRPTSVRRLEDTPFRATSHADRATGTTIAKQQFLDPFVVPNLAGVSVATLR
ANQTVEPHSHRSMHEFFYVLEGTADFALCGRETHRAKGGTFVHVVPGCVHSIARVQGTGG
DGDDGDLRVLVVGVTVXGLTAVGVRTSQRFPADLLLSPLPAPRVRSPVRRPAQQTKGRAG
LSTSMRFAGSCAVAEAIIDKLDIAY
>comp12499_c0_seq2; 226 41 637 LEN=867; translated
MTTINSLGHARGVLNQQRRPQKKNGLPVLVAFLLGIVAGRFGSPATDRKVPAPPGASAR
GNAGGIGNPPRPTSVRRLEDTPFRATSHADRATGTTIAKQQFLDPFVVPNLAGVSVATLR
ANQTVEPHSHRSMHEFFYVLEGTADFALCGRETHRAKGGTFVHVVPGCVHSIARVQGTGG
DGDDGDLRVLVVGVTVGD
>comp12500_c0_seq1; 318 93 915 LEN=1374; translated
MEWQLISLAILVICSMQTAPVDSFGEAFAGITGRVPENLSFPPSTLDGTNIDPSKSNVDL
QCVYKASRDGWSALDFHENVDSRGSALVVCLSKSGKKFGGYCPTGWLSTDDYVSSNA AFL
WFQRGNEAVKCPVMQGGNAALFDYASAGPVFGAVVNYVQLPFICIVPIIFLDTIHDIFRH
FRFDPFRKQADLKIGESQAAIMGGFAGPDMEDRSLSAGNLKQGSSSVGGAYDDVDNGWPV
RGKFQLVELEVYANANIQPSGQRAGGGFKLWPF
>comp12500_c0_seq2; 173 1 547 LEN=1006; translated
XVQRCVVSNTFYDARRLDLKDLSLAFYCIIFLMFRVA AVAAVTLSSXKLGWLSTDDYVSS
NA AFLWFQRGNEAVKCPVMQGGNAALFDYASAGPVFGAADLKIGESQAAIMGGFAGPDM
DRSLSAGNLKQGSSSVGGAYDDVDNGWPVVRGKFQLVELEVYANANIQPSGQRAGGGFKL
WPF
>comp12500_c0_seq3; 158 438 656 LEN=1115; translated
MGGFAGPDMEDRSLSAGNLKQGSSSVGGAYDDVDNGWPVVRGKFQLVELEVYANANIQPSG
QRAGGGFKLWPF
>comp12500_c0_seq4; 333 93 806 LEN=1265; translated
MEWQLISLAILVICSMQTAPVDSFGEAFAGITGRVPENLSFPPSTLDGTNIDPSKSNVDL
QCVYKASRDGWSALDFHENVDSRGSALVVCLSKSGKKFGGYCPTGWLSTDDYVSSNA AFL
WFQRGNEAVKCPVMQGGNAALFDYASAGPVFGAADLKIGESQAAIMGGFAGPDMEDRSL
SAGNLKQGSSSVGGAYDDVDNGWPVVRGKFQLVELEVYANANIQPSGQRAGGGFKLWPF
>comp12501_c0_seq1; 504 1 655 LEN=1022; translated
XSAAKAKAEELNAILEEKLKLAGGDAPPADADAPEPSEEALPAQEATPEEEDPSPGPPASY
PGDVVVESLQSEVTDIASKLEAAGRDI AEKEEVQKAIAPLLAQLAIKQKFASRASKKEE
SAEEADA EATEAAASTEETPDGAGGESATEGGGEEDGDDGKLP SHYAANDLRYQAEKLN
ESIAAAESMAKALAAKLGKMDAEDAQPEAAAPSSEAN
>comp12501_c0_seq2; 504 1 655 LEN=1008; translated
XSAAKAKAEELNAILEEKLKLAGGDAPPADADAPEPSEEALPAQEATPEEEDPSPGPPASY
PGDVVVESLQSEVTDIASKLEAAGRDI AEKEEVQKAIAPLLAQLAIKQKFASRASKKEE
SAEEADA EATEAAASTEETPDGAGGESATEGGGEEDGDDGKLP SHYAANDLRYQAEKLN
ESIAAAESMAKALAAKLGKMDAEDAQPEAAAPSSEAN
>comp12502_c0_seq1; 719 266 2392 LEN=2488; translated
MSFYDSVNDENEENFVHTKRDAGSNGGPPWQORYWDVQNNDPNRRGARTSDVSN TASS
KKERRSNSKHLQLLVRSRPNCEGQQNNTVSSNGNRKVLASQSKPVLPLNHNKPNATFN CI
DRYSPVMTT INGSSYAPSSTSIGTLTTQTTIASFATPFTTPTSRRTPSSTSVYSALTFVD
DEEIDFGLVHRDPKRLNGDRDDEESQSVLSIKSPLISKLLRDDLGRVDDENGGNGLDFGS
TTNVDQEKKRSRRVKS YEAEERNTRDHSMASACACASWSMWICLVVVL FALSSSDNESF
GIHVVDRIWRVTSTFWIPDGDSGRGRDHVTSIRNQWIAVHVFLGSLGLMGLTLGKWGNA
VIRAYEVAVASSILHEDECIVEAHPYHLSTRKRGRQDQIRSRSRPRHSGGPPVADENQV
LYGSLSSSSFKHQHDCHDGPYLFIQNEQENRRQADSEKDDCLVLFPHLQWLLIQTIALT
ILSIVCANTVWYPAGNQDTPPYNYDLASKLSQDDITAETREVGKDG YDERGFVSI TNP
AFWATKAPGTKDSLAPVSPKEKLMTLF SVLSCAMTSLYWVAYIAQRYIQKSQQVHHQRKQ
QTVVEDGKCVGFD TNRCNFD SHSGEII FVEDGNINLCHQTPVAKLEDEDDDSAMCVLAPP
ATLAAKHEESPSSLEEFYERKLQQMGLVDIETFVLRKRYARRQQKNL

>comp12503_c0_seq1; 436 236 1024 LEN=1430; translated
MEKGITGDMIYLEYDKKVENTTVGMPELKYTTDDDSNSDESEDEREPLSDDVYAFVFLVAP
VFSKPFVFAAYTIMVKYVVFVGLASGIRLSDAGNIDVDNVMLQAVKFFLIPVAIAMQEDL
INVYAGVANLMYDEEVLNVSENATEKKLIFSIVARFFDGLSLGVNFAVMLVTNEILGVF
LNFAALHFLQSIDDVFFALVVKGFFGDEMEHMHSHICESISFPLRKSDSGCVKVLDSLLFF
VTLSVCVAVYAAVAVVYLNNSFD
>comp12504_c0_seq1; 563 1 1146 LEN=1218; translated
NFFEKKVHEEEVYQLSQILYLTKTMPAADETSKDMALAILKQLQEQDFAKSSKALEKEI
LKRFSLKSLPAVLSDKVLSQLPQIKKPEVDEDDSSSTCSDDSSSGSSSSSSSDEEETKPAVKKS
KESVSITETKKKVDSDSSSDSDSDSDSSSSSSSDSDSSSESEDEPPKRTKTDDVTKSKK
ESEIVTPVSSSDSDSDSDVSDVDVSSVSSVSSDDSDSDSDSSSSSSSSSSSDSSDSESE
DEDLEAFQKAKRKAEEKAKQAAEAALAWTPKKIKKDKKEIKVEAGTDGAQALSAGKPFQR
VDDSYWGDMAKDGAMADNSYEGVFGNDGFGARSSEKLLQVRGKRFQHEKTKRKRFSNG
MSRTGGKIDMASNSTKYKYDD
>comp12505_c0_seq1; 431 102 1256 LEN=1424; translated
MEHNDEKLQERELVIIDFGKLNPNDEIKHILLKIANAFGSDGVGIIGVRNVPGFVEAK
TDLLSLSHSLVNLPAEQLKELEVPEVLYNTGWSRGKEMLKDDIPDWNKASFYFNPVDRP
GTEEREKFPPLSYPCNRWPKAESIPTFETAARKLGLMKDIAVDVSKLIDDYAHSINNSY
PPGTYLNAIVNTEKVKGRLLYYPLPDTDEEESKICNGSEDSWIGWHNDSGFITALSGGI
FMDVNGNILPSSLNEDAGLYVADRKNQVLRVNLPHDCMGIQIGECSQIITGGAVVATPHC
VKGAPSIARTTLACFIDTPPTFALTGPPGQDIDKFISSSRVPLSKRWKNGMPFGFLE
KTFKMYDFDPLLPTELEGSNLKEI
>comp12506_c1_seq1; 509 1 1578 LEN=1887; translated
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TKGNHPPPQEDAGAEPGTPRAKMNAVVMGRKTWNSIPTRFRPLKGRHNVLTRDPKFKM
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>comp12507_c0_seq2; 528 1 1034 LEN=1419; translated
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>comp12508_c0_seq1; 770 813 4295 LEN=6196; minus strand; translated
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HYRTGDRGYINPTDRSL SITGRIVGEEGM IKINGVRVELGEIEAALTSGESNDSNDDQRT
VVTDC LAKVIQDSGGQNTILAYCVFPETIWKEIGISLNDFR TKQQGVI INGGPLWSLLRI
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SMLHDSIQNDQNDHDSKKNLKRKDRYRRYDRKERKKHRKRRKREKKYKKKKRSCRRY
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>comp12510_c0_seq1; 996 66 2198 LEN=2216; translated
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FEP IAKALEADGKVTVDGFEVTKDMVSWEQSTKKVHELKFTPSVIEPSFGMGRILYSLE
HSFYIRENDEQRCVMKFKPQVAPQKCAVLPISSSPEFNAIVDGIASLMEYDLATRVDKS
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>comp12513_c0_seq1; 286 287 1345 LEN=1455; translated
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DGFQLYDLERGTAI SPMSGEVNGPGLPNRLNDGRVDPTGKRFVCGGMAASPDLPKVV
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KILHSKR TGF PDG SVVDSEGF LWNATWRQEGGTGMVDRIDPNTGDVVFTVHLPDETSEAS
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>comp12514_c0_seq1; 865 105 2909 LEN=2965; translated
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FITCRSLEKDAGLLQIMGAIQDDKDANESTRTGLTLVFCATRRHVEYVTALLRASGQEAT
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GRVARAGRIGFCFALVEPDELPMVDLHLFLGRKLCIDGMTDTS DHKEIGGDEADESTQ
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KMDSSYAMTSMKNMRRQMRMSRDKGTTLVVAGSTLATEAAGDEGAGEENAFVMSQKAVS
KPA TKAPTIVSKARMSKAERRRLKDPNASVASLAKKYQHEEKRKKHMRGSDFRD NAFFI
ENDASSNAEEAQRQVEAALQPSAGSVKGITGNAMRLEEAMLDVVG DENAQLVQKQRMM
RWDKSKRKYVQSSVGAELSGTSYSKRVKLESQIVKSDKLKLGEIYEKWKKTNR SVGRS
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>comp12515_c0_seq1; 1265 1 2522 LEN=2909; translated
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VSFC EEQNTTKEIPRIDPTDKQNLWFSRSELHMNSVMTARVREAVKVKLVELLVCDNDDD
EEEEELPFPIPTDENDGESFATTIPDCPTDERD TDGLLGTKPGPPNAMASATATAIATEN
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DGEDNDDDDDEMAEFI SNFLSDEAEERKQEKQNIKENNNDI IPYAI DDDDEMAEFI SN
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DRNNKRSTTESPSSSRSWIPYVVVAAACPLSGWPRTIPNLQEDDDERRPGPITGTDLGR
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>comp12515_c0_seq2; 695 1 1201 LEN=1588; translated
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GDSNGNAKGKNSDITTDKEDSRHLLAATEDTAHSPDPGGDEDKDEKAMMGEFI SNILPD
HKEDPEETKAQDDIQNDGEDKHPFLAKEQVPI ENNDDDAVEVEGVPVAPTRGSNHEMAWK
QDEEKQRAIEHDAKGETRSISLHAGESESTPLLPCKENDRNNKRSTTESPSSSRSWIP
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>comp12515_c0_seq3; 797 74 1351 LEN=1351; translated
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DLEWKDLPDRVRKHCSVLGYTETSWNEEDQLAFFVTPWSELAPGQRHALWLLGSYDEPS
WNRDVGIMRERAERTAADSGENAAESFSSSSSSSSSQDDAPTAASGDRSDDRRDRSMGD
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>comp12516_c0_seq1; 792 77 1813 LEN=1946; translated
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LLDQVASRIQEFKSGNQTPVDSLQARQAKLQSI AKNPISPSPLKHHAE LAKLWKQAAPLM
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>comp12518_c0_seq1; 377 241 2259 LEN=2376; translated
MAIRTLRVLGDSSRCRRSLHRAWTNGRSSGGTARGFGTTPAASGNRGDSPQHDLRVVGS
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RVSVVFD DPSRVGARNRFESIRQSGSPLTNPF AWRGSRASKQHISGVLDFANRVIFFAA
GFLTGLSLFFTVLTTHLIDFASP AEASHAAPRILHYADQTGAIITDHITKAAARHPLITM
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EALGDISAETELHKRFPCL E TSGARDAACSGEGVAIASASNPRSAGTHFMAPDSEDFSD
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>comp12518_c0_seq2; 410 241 2334 LEN=2451; translated
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FHPDGELAPRDI VARGVFAENAKVEDDPSRAHNAFLDITHRDPDWLHDFPTIQSHLSAR
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>comp12518_c0_seq3; 511 241 1983 LEN=2100; translated
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FAKDFHPDGELAPRDI VARGVFAENAKVEDDP SRAHNAFLDITHRDPDWLHDRFPTIQSH
LSARGLDLARDHLPVTPAAHYTCGGITTMQGRTSLEGLYAAGEAARTGLHGGNRLASTS
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>comp12518_c0_seq4; 544 241 2058 LEN=2175; translated
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VVAGR
>comp12519_c0_seq1; 320 1 1129 LEN=1789; translated
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>comp12520_c0_seq1; 743 1 1879 LEN=1942; translated
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>comp12521_c0_seq3; 318 316 1727 LEN=1812; translated
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ADAL IATVEDFLSTNPELPREVDV FVLESFLKSHPETRQSAIQKAYEELRKT PKHIPVAW
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KRNLHRLGTEGRFIPSN SIADCRERVATMIPGSFFKPARDTGQKKKNVEEHLVSIASPGS
GRNGNGRYKPSFRYVLT TYRLIQKEYLRNDKGHFSSAQ RQNYNGERNPRPAKRLRSQNR
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>comp12521_c0_seq4; 318 316 1727 LEN=1812; translated

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>comp12521_c0_seq6; 272 119 661 LEN=1669; translated
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>comp12522_c0_seq1; 469 391 1341 LEN=1574; translated
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>comp12525_c0_seq1; 656 297 3470 LEN=3724; translated
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>comp12525_c0_seq2; 343 273 2637 LEN=2891; translated
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VKDDAVTDTISTLSESAICGSTRKRLSKQPKFRARTPVKPLNGKIVIGGSARHTQDPLK
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>comp12525_c0_seq3; 643 297 3486 LEN=3740; translated
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>comp12525_c0_seq4; 356 273 2621 LEN=2875; translated
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DPSYMMVYKLNKRKTARSPRTVRDSLAVPVSKYSPPKLLFPAPPKQVTASGSGAEAPAPEP
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RFRDACEYFDANGTRKTSSGMELTNTENSDDERRIRTNVVAHLEKIEVTLAPSPRRP
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AA

>comp12526_c0_seq1; 193 1 391 LEN=795; translated
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ITGDSEEESE

>comp12527_c0_seq1; 134 143 643 LEN=758; translated
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>comp12528_c0_seq1; 401 129 869 LEN=2243; translated
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KKNDEL

>comp12529_c0_seq1; 543 1 1552 LEN=2189; translated
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ESAKPAFSAATASPSSSLISSPSNPLQKNKNYCDRIEMVAVKNEAIAKEGMVNQOET
QNIFAANCMDNATKLLPVCGNLEQGVESFVNILAHPCGAKLGRKKEKTM SVILNHIG
TSLRESQSESTPEIIVIPRSGKAKDLERFDKIEQVDDNDIGIKASKRSRFSPPKHSR
RKRKGKEEKKESDRTTNEANKKEEQRFQSGSNDNNKLQKKYTFVPSSESLKYLFAINTDDEQ
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>comp12529_c0_seq2; 543 1 1552 LEN=1960; translated
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ESAKPAFSAATASPASPSLISSSPSNPLQKNKNYCDRIEMVAVKNEAIAKEGMVNQOET
QNI FAANCDMNATKLLPVCGNLEQVGVESFVNILAHPNCGAKLGRRKKEKTMSVILNHIG
TSLRESQSESTPEIVIPRSGKKAKDLERFDKIEQVDDNDIGIKASKRSFSFKKHSR
RKRKGKEKKKESDRTTNEANKEEQRQFGSNDNNKLQKKYTFVPSSESLKYLFAINTDDEQ
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>comp12529_c0_seq3; 329 1 1012 LEN=2087; translated
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QNI FAANCDMNATKLLPVCGNLEQVGVESFVNILAHPNCGAKLGRRKKEKTMSVILNHIG
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>comp12529_c0_seq4; 329 1 1012 LEN=2316; translated
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ESAKPAFSAATASPASPSLISSSPSNPLQKNKNYCDRIEMVAVKNEAIAKEGMVNQOET
QNI FAANCDMNATKLLPVCGNLEQVGVESFVNILAHPNCGAKLGRRKKEKTMSVILNHIG
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>comp12530_c0_seq1; 348 1 1270 LEN=2207; translated
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CNNRKTAAAGKAIQVLDLSDFNIRRFADAVETEYDNIDVLINNAGRNSGKSPGNPN
LDLQSNYLGHFLLTNLLKLLKLLPSSVAKNGNKI INLSSVMHHSKGDMSKGGDFE
SISSPAYWKRRAYYNDKSNAPSNVYAASKLAAIILHSFELNRRYADAHLTAAI
AVNPGAVNSDIWRGFPKWMREYVFEKIYLTTKQGSEPIVAAAVRNDLVANKNSET
GAVVYIQPYANPFSIFGGRLFPNSDEVSSSPQRGPMPLPTEMLGPFVGHRLTIP
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>comp12530_c0_seq2; 348 1 1270 LEN=2462; translated
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CNNRKTAAAGKAIQVLDLSDFNIRRFADAVETEYDNIDVLINNAGRNSGKSPGNPN
LDLQSNYLGHFLLTNLLKLLKLLPSSVAKNGNKI INLSSVMHHSKGDMSKGGDFE
SISSPAYWKRRAYYNDKSNAPSNVYAASKLAAIILHSFELNRRYADAHLTAAI
AVNPGAVNSDIWRGFPKWMREYVFEKIYLTTKQGSEPIVAAAVRNDLVANKNSET
GAVVYIQPYANPFSIFGGRLFPNSDEVSSSPQRGPMPLPTEMLGPFVGHRLTIP
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>comp12531_c0_seq1; 558 1 2116 LEN=2152; translated
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SLDLRNVPPVHRNAYLQDSLRELNRRVRRRMITRGDVS LDVEDHRGPDDWPAI
ADVTS DMLMYSVHLPDP M QNKVWPGTAATPSDQTTEGAVRILNI
VWEEARVLSRRERCPYLVRVEVADTNLRGNDRLYASGAPGLGATMEEALAMA
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KEMPRGGWQADETVFYSHSPEDVYPTNSYDSVREDELEQLHYQMHN
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PYTIMCVGGDAGIVECLADAKSIDEVKKGTDGFSRLRDYFERAYGPPGTYG
GAYQQKQPGTTTETLSFEEAQDNFLRSLVGYVICYILQIKDRHNANILMDR
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GVRFCHMFEHAFACASAHSEEIAALVEATMLTMTQNSRQARALANGVRK
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>comp12532_c0_seq1; 191 777 1877 LEN=3332; minus strand; translated
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VSSIRAAARALRAASKAPGDKPAALTGIFHDWGVVPATMWAQRLEEEEEKD
KADKSQPPTLDRIVFFDVLMPPLDRVQGYKYNPVEGFTALEAAITVLYK
VILGLAFWLRANCSEYLAVVFFLCTVFLKGLRLDPLYSF DENSPKALYK
NNVGHNSERMSLSRIIYMSYPYWNLMRKMGLAGTVHSNWKDTPILYLYG
PNKRTQFHKKQTLRLLEREAKESRSISQAVAISGTGHYLYLQEQERCLEI
VFRFMTAKK
>comp12532_c0_seq2; 191 777 1877 LEN=3233; minus strand; translated

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ASKAPGDKPAALTGIFHDWGVVPATMWAQRLEEEEEKDKADKSQPPTLDRIVFFDVLMPPP
LDRVQGKYNPVEGFTALEAAITVLYKVILGLAFWLRANCSEYLAVVFFLCTVFLKGLRL
DPLYSFDENSPKALYKNNVGHNSERMSLSRIIYMSYPYWNLMRKMGMLAGTVHSNWKDT
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FMTAKK

>comp12532_c0_seq3; 191 777 1877 LEN=3440; minus strand; translated
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ASKAPGDKPAALTGIFHDWGVVPATMWAQRLEEEEEKDKADKSQPPTLDRIVFFDVLMPPP
LDRVQGKYNPVEGFTALEAAITVLYKVILGLAFWLRANCSEYLAVVFFLCTVFLKGLRL
DPLYSFDENSPKALYKNNVGHNSERMSLSRIIYMSYPYWNLMRKMGMLAGTVHSNWKDT
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FMTAKK

>comp12533_c0_seq1; 651 112 2257 LEN=2257; translated
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WKGSSNGIQFSAGDLHARSNTSSRGSNYGKRNNNFSMSTTTKVTRAARPQRRRGYNPSRL
LTINRRRNNAPPNRADIAKLLSNARSTIEPSSRMIEADSNFRTSITRIRPGRLLPAGRQ
GVTGRVQQLGSDTTSQFRINGKRAMDCVDRDDKDEPDTEKVSKKKRRVNFGREDEKS
TAPIESLVSTPAKDTNKARASKRKATPHYKKPTAFGIGNDEGNKGNVDGEDEEMANPASA
PPPKRELKAKRPTSSKKSETKTAHDFPIMSDTRKIVGGDFTAWSTAQEREFSGAQAVVG
SQRVPLWCSGDLDSLKADIISSVSSPLSPPPQFKQKPLFEGKKKDRTVIDDDDEEETE
AIKRVKPKWECPECGFKNDDSDNCQNMIIYDDKLNKKRCKGACRSKEVKAEGWGNLFAN
FAHLRDPGNMIRCSNCGVYNKKDRDTCESCEASLGNSDANPSVPATKFNVPGSIGSDGSF
LNGKGATTSAPSSGSIQSTGFSFPTSAPTQSSAAISGKNVVSQFKFAAPSASTDTSVTTT
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>comp12534_c0_seq1; 331 1 771 LEN=2106; translated
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LLAVFGRLEALTEQIEQSLHKGHAFARHPRYGFVNTSPENLGTALRASVYIKLYRLGQQ
PGFADLLDRLRLETSSRFEATGPGGGYTGVFDVANAERLQSEVQLINTMINGVGRLEL
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>comp12534_c2_seq1; 314 93 1000 LEN=1000; translated
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RGTGVYAGDEESYHVFADLLVPIVEDYHRYHFADKEAGVIGRGSQSGSASTSTHSRKT
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DEX

>comp12535_c0_seq1; 615 1 1723 LEN=1897; translated
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LEVAIAAREDEKRRARVRSNPGGKETYQLTPFEVFLTNVAVVTKLVEHAAFCGLGSA
PRGSGMDIKMTFGKSSSEKLRALLRSPPLPSQSARVKGELADMVAVLAQSSITVNQLRPL
PGESTSTAKNVYTLSPLEDSRTLGEQSVMTIERRRCIYAFDICARGCSSRATGSGKFDAD
SLLSCLRTLSEELTRPEECSTEVEKGCIVIRKCCDGLASYVRDRGDGPADAVAECAVLD
QTRMTDVVREIGYLTNNHEAVEGVMMEDIMGLEGAMFDEFDLSIRDSTSSCCRMGWLDVR
TSDLTKDSDSPSDSPSGFPPYLSASLLSIVRCRAQVEQALGSKVRRSEGQTYQHIAIVA
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>comp12536_c0_seq1; 614 195 2228 LEN=2930; translated
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LPEHTSTTDGGRSDEMVTETDESSTPNAFEQQHQHQPPPKVSDLIPTNPRDRTLIVIE
NGCCALDLLQSYADALVELGRMDDSRGLRFFAEFKTNIELSYKASAQKAPAERSKTEAA
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LSLHNCVLRRETTQNLNLSGILAHISALDLTGLQTLTDDTLKLLGATGLQLRRLSVKNC
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LHASGIGPSGGWTDLLPELFAALRGWRALSIGFSPSLTFAGWKAAILSVEQKFAVGEEEA
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LRALDVRGNHYLSNITSWYDGRATIDSSSSKINTKQSLVVLARYCGISQNSVEETKRIYP
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>comp12537_c0_seq1; 565 17 1705 LEN=1738; translated
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ISAYVPPREPVEVIDALTIVPEYKVIKEREKRKRIYLIIGGIILIAVFLVVAIVVLT
RNREAKNDESNVLTTPGQNPNTNAPSQAPSEPTASNFVEILSTIGSFYDENGQFAAIFS
NESSPQYRAATWVADTASIAGVIGNTNRIINRFLATLYFATNGDDWHKCGRGSTYCDSS
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GPVSGAFPDWKSLSNLEHVLMMNNRISGEFPQYLIRQNPMLKTVQFNNNNFQGHLLREEL
SIDSTSLLDLSLNGNITGSIQISKLSLLTTFNLGDNFTGIIPQELYTLTYLKSFNV
SNTLLDGELSPSIGNFSQLLSFDAANTDIGGTLPISSFFSLSNLRVDFVDFGKFNGLPEL
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>comp12537_c0_seq2; 530 17 1624 LEN=1820; translated
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NESSPQYRAATWVADTASIAGVIGNTNRIINRFLATLYFATNGDDWHKCGRGSTYCDSS
EEWLTATNECDWYAI ECNDDSSITKIFFPSNGGKSNIRGTLPEYISFLSKLTVLIIPR
GPVSGAFPDWKSLSNLEHVLMMNNRISGEFPQYLIRQNPMLKTVQFNNNNFQGHLLREEL
SIDSTSLLDLSLNGNITGSIQISKLSLLTTFNLGDNFTGIIPQELYTLTYLKSFNV
SNTLLDGELSPSIGNFSQLLSFDAANTDIGGTLPISSFFSLSNLRVDFVDFGKFNGLPEL
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QILTVDCQKVSCTCCTNCPEDR

>comp12538_c0_seq1; 159 379 708 LEN=1105; translated
MSESRIQMRAQFDANRSVPTSGPLFEELVKGMDAAHMLTHEIVRGDLNEETGRYDVKIK
REHVQGSDDPSGNIKPEIEPITEDTVRRMENPGSVEVEVCKSSSSSAGNK

>comp12538_c0_seq2; 193 110 535 LEN=932; translated
MASAAASRARVFAGFRRLNRARIQLFRGDDHAMSESRIQMRAQFDANRSVPTSGPLFEEL
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MENPGSVEVEVCKSSSSSAGNK

>comp12538_c0_seq3; 116 1 415 LEN=812; translated
XPFQSDRGFAGFRRLNRARIQLFRGDDHAMSESRIQMRAQFDANRSVPTSGPLFEELVKG
MDEAAHMLTHEIVRGDLNEETGRYDVKIKREHVQGSDDPSGNIKPEIEPITEDTVRR
MENPGSVEVEVCKSSSSSAGNK

>comp12539_c0_seq1; 315 138 836 LEN=1353; translated
MMRLSILLVLCASLFSVAIAGETTIEETMAAIEENIEEPAMLDMDRQRRKTWDVFGVLLMM
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DNVTPSNVEMDGNVAMEFQFWMVAAAFSVAVALVAIHLGQRKERRRAELLEDDASLAPSM
AGSVNRRMVAVSALADGAFVKGNGGAGDKQVEMAAYKLDEPSPLYPTSSFV

>comp12540_c0_seq1; 692 75 1040 LEN=1040; translated
MTGGVTSEESNKAGRWDNQAMEDLRQKKEALEDERNNLDRNQNTAGRQSMGRSNRIEELR
NNYDSLNNRAEYSKSDMEFTSKALAEKNTLLKSIERKVPQLEEKVAQLEKELES LNATKE
KAIAEVHAAKDEHLGPFLAATGLKDLESYERATRETRDEFNRNKRQLVEHIAQLEEKKS
ESKRDLKPIAAGEKRLKNHQKLTDAKARQKLLKKEGKAARENLEAAEKAVTEAQEIEL
ETEETAKKLQSEFKEAQQRNNVSKSVATEESALEQLRGRLEILQRARLEEVFLPVKGA
ATSGRTTRSGRQIGGGDDANEE

>comp12540_c1_seq1; 231 809 1111 LEN=2676; minus strand; translated
MKKVQDKLRECAETQTMVESLERLSNALHTTTPEDSTAVEDAMMAGNQASILEKAKEHK
GENKAPTGAHKKSRKGGKHKKATIVPEKKEKKRPRYFVQF

>comp12541_c0_seq1; 345 69 1364 LEN=1456; translated
MDLLGDLGTADQLTSTRAENEVLKEQVKALKQRCVLTVENEALKAEEVEIYRSEATAAQA
SSGTAKSATSTRNNEVEADHFVKS GGGYAKNKSVLLENCHGVS NVLCCSISNDESVL
ATGGADRNISLTLWNRAFGNETSQQVVESSSRIDCDAPVISIDFSRKGHNTKFVAAGCMD
GTVHVLVYKDGSVISVNEVCKGFIKHGKYVKLAWSPDNILATASADGCIQVHKLEWN
LIDSTGVKLEKIQLNLQSGPIESLCFREDQLCCYARGSPNVLCFDLQDNFKQKQKFLNKG
SGNAFFDDHVSFAVMDMSPFERDYALALATDSSRNIIIMDWRSGNQVRNLYGHKNDCYSQPK
LAWSKSGQYLYGNSQNESVVCVWDIASSSIVEQLNGHSSPVRDMYSSKSTETLVTTSTFDK

KTQFWLSTDNN

>comp12542_c0_seq1; 172 164 1405 LEN=1860; translated
MIHPRSLFVGLALACHSLGWVPLLWAFRAPLYRGRPRGRIAGATAARRSALLASSGGSDRE
AEPPAPESTVEGQGSETAENPPLVPPGQPQVPDTRSRAPATRPGPTPMDLMAAMGTSPRR
IFTSFVSATGIALGGNFLGVTSRLLAGIPEERVEATGIDTYFPRGEYKRCRTPEYTFVIP
KEWVADTYVELAKAQRRVQPLDYSMQRSRGGPGKITTLPSAYGPPGRFNQQGVSQAGDTN
VSVIVSSGFSGFTLRGSLGTPADAAETLLSRISIAPEGSGRTATLLRSVGDGGDRTYAFEY
LLDRGTRGPPLRNIAVVAASPEGDKLYTLTVVAPAERWKDDGYDXEAPKDRGQLPPPLIR
FDSVRGDATDVNGNALEGTQAGWDDVFFVATEQHRQAGKQPCSPDASFPMGTR

>comp12544_c0_seq1; 238 94 432 LEN=1532; translated
MPPKVQQKSKEQKMAAAMAGGKGGKKKWSKGRDQVDNKVLFKSKEQFERFHDEVPKMKF
ISVSSVVEKLNINAGLARRALRDLEEDGKIRPILISRSQRIYTRSIGDDDDDE

>comp12545_c0_seq1; 923 195 2816 LEN=2867; translated
MRISFALRLLATASMTAAVAGFTSHYHPTTTNAAESLSPFARTVLEMSSVSDSDTDASA
TVPNFGVEVAKTGGRTTTAAQKAVAQDLSLGAAPRGRPTGGHYMTKGGIQVTASVEGLD
YTRTGDKASLSNPNSSEAVIESLVQRLDSHKGVLLTSSYEFPGRYARWSLGFVDPPELVS
GKGDKCTIKALNDRGKVLPAIEKAMQEMKQEDILSNVDVIVEEAESNMVQIDVTIVPPP
PVGTFSEEERSRQPSLFSVVRKLVDLFGYQGGDGLGLYGGFGYDLTFSFEPIDLKQERD
PEQRDLVFLPDSVYVIDSKRDAWHVQYEFNVDNKSTQGLPRVGLSDEFQPFDEEKTEF
VKRDTEEGAFSKSVERAKEEFKVGNLFEAVLSQTFREKLTENKPKSTIFRRLRKRNPAPY
GFFINLGEQEYLVGASPEMFVRCESIQENDYAPGAMRVETCPISGTVARGADALEDALRV
KSLMMNQKEESELTMCTDVRNDKSRICEPGSVQVIGRRQIEMYSRLIHTVDHVEGYLRP
EFDALDAFLCHTWAIVTGTGAPKTWAIQFVEDMENSRCWYGGAVGLVGFVDFGSLNTGLTLR
TVRIKDGIAEIRAGATLLTDSTPLDEELETELKASAMIDAVVRTGSDSSDAASDAETPKP
PENVGEGKSIILIDHEDSFVHTLGNLYRQTGATVKTLSRSGPSALAAIENMVEQGIKPDV
VLSPPGPNPSDFGLSNSIELLIKHDIPAFGVCLGLQGMVEHFGGKGLVLYGYPMHGKPSDV
TLTKDGMGDNSIFAGLPETFEVARYHSLHGIREELPAELKVTALTEDGIVMGIQHESLPM
AAVQFHPEISILTSPAHGMAILKNFMRLHAMKEN

>comp12546_c0_seq1; 281 1 686 LEN=1122; translated
XGANGNVPDGPSPSCQEMESQSQPLIEADGDKAGDSKQDKPEVPLDQKEQGSPKDNKRCAP
DGTSGCQETESQPLKRPRSDEEGANGDFPDGSTQCDEMESQPLQEAQSEKAGDPHHNKVE
VLTKQNWQDPNKENNRNGTDDTSECQEVFQSPKRPLSDEVGGNDGEHNKAEVPPKQEQQ
QSSSEDSKPNCSGDGTARQCENKSQPLKQPRSDQVEVIDISSDSTESTLW

>comp12546_c0_seq3; 281 1 686 LEN=1153; translated
XGANGNVPDGPSPSCQEMESQSQPLIEADGDKAGDSKQDKPEVPLDQKEQGSPKDNKRCAP
DGTSGCQETESQPLKRPRSDEEGANGDFPDGSTQCDEMESQPLQEAQSEKAGDPHHNKVE
VLTKQNWQDPNKENNRNGTDDTSECQEVFQSPKRPLSDEVGGNDGEHNKAEVPPKQEQQ
QSSSEDSKPNCSGDGTARQCENKSQPLKQPRSDQVEVIDISSDSTESTLW

>comp12547_c0_seq1; 720 196 2160 LEN=2274; translated
MTKRDPFPMTSMEAKALEASVSTNPGSNGTDPGGDASGENTSTSWSSMPLESGSSGAPSA
TDIRGDETDKSELVARKKSIRKDEEEDIYTHVDKEVVDEDEEYLADPVLDTPLLEELRG
DWRKRYTGQTKRAFFRFYRRLYGDKLPLSEMMRTLCLAMTLYFMIGGYWMLRSLKDSVLM
ALCGYQAI PKAKMLSVFVVLGVVSVYNHLLSDSLAKHQLFYIFGTFYFFLFTAIAAMLMN
PTIGLANKYQDEGRILGWVSYCAIESFGSVMVSLFWSFANSNISLETAKSSYGVMAFAQ
LGSIMGPAIVTRFAEEWGIAQCYLLGAMNMLLLQGTMYFYIRTYGSNETRSKDGEVDESG
KSKKKKERAGILEGLKLFWEFNYVKGIFAI SCLFMVEVTIVDFTLKVLAKKEYFSEEYPC
ISNPDCYNAETKVFGLTEEASNAIASFMGLFGVATNSLSFIFSLLGTSAVIRKFGRLRTL
LLFPPTLCLVVIIVVRLRPTLYVVFLAMIMLKANSYALNNPTKEMLYQPTSSAVRYKAKSW
IDIFGARGSKALGSVVTNAFSDSATTLVANGSIVGMAVSCFLIWNARFMGKLFEEYTESG
YVVGEEEDNPESKNIQMAIAQNEREDTSCAIEGEGEGEENDSAEKPIRKAEVAMV

>comp12548_c0_seq1; 365 97 1662 LEN=2523; translated
MGQFISKIKAAFDGVREKLP RRVWEQQSLIDKRNSRVSGIDL SLIQDEFKDVSKDKFRFK
ETKFNHYKATSEGKKEKLECKPIEYGIKFKKYPNLYYAMFY PDEALTPWENEQQYVYL
HRAGLEGLKPSGVSPKANVTILTHEFQPLKPFKGDILPKRFCDKYTDTVLSQYKGTKIHS
KKNLPLLPGRMGYCDEPHLKL IADIDPSSIEQKIGDCWLLSGISSLAEYDGAIERLFR
KTKNLSELPKDSANKYTVTLYDLTTWTEVDVVVDERLCSRLDGSRRPLGAKTTVDAQLWV
PYLEKAI AAHCGWDKIDGNC THAWALLTGVEQYI IQKQEGTDKFCNARYDPDKKEW
LEHGNSPHDGPQGMFQIPWPSIGKKKGGKKPLSEKALFQRICQWDEANYLIGAASKGSSD
KNSTDGIVDNHAYSVDRCRNVAGTGIDMIQVRNPWGYGGNEKAKFRHKGPWKKYPEIK
KELRPIFNKSDGLFWLTRQEFFKYYSVDFVVGACDMKKFLGK

>comp12549_c0_seq1; 157 420 1124 LEN=1675; translated
MKKAKMEARTKGLDDQRKALIEDYRKIQRDCCGGEYEGMNCYNTLFGRLAYEVTEGKLLR
EMEAFGPVKDIKLIQVQNGKSRGIGFVEYENEEDEMKRAYRGADRMRIEGREIVVDVERGH
TVPTWLPRLGGGLGGTRLGGKDKNVTAPGRFDPSRMMERSSSGMMGEEPPGMGRGHGPP
PGGGYYDGPPSNYGGGGGGGGYGDYSRGGGDRDRRRRRSRSPDRGRYAPRPRY
>comp12549_c0_seq2; 199 110 1036 LEN=1587; translated
MTPKGQMSRGNTQPAVMMPPHIRATFMPNPPIRQLPPVKSKRRKKPTEGVFQFMDKFEK
TPAPKRIVQPTPKSMKKAKMEARTKGLDDQRKALIEDYRKIQRDCCGGEYEGMNCYNTLFG
RLAYEVTEGKLLREMEAFGPVKDIKLIQVQNGKSRGIGFVEYENEEDEMKRAYRGADRMRI
EGREIVVDVERGHTVPTWLPRLGGGLGGTRLGGKDKNVTAPGRFDPSRMMERSSSGMM
GEEPPGMGRGHGPPPGGGYYDGPPSNYGGGGGGGGYGDYSRGGGDRDRRRRRSRSPDRG
RYAPRPRY
>comp12550_c0_seq1; 347 115 933 LEN=1591; translated
MTTPSETPPTGTPSTPSGVIDTPKSKKIYLIRHAESEENRRISAFRCRTFRSLKFKSLPKS
SDVSTSIELLNVSQAQVSDVSETGAKQIAHMGEKLRKASFVVESSGIELVVHSPLKRARQT
SEGMLGCMMASSSDGPLKEKRSRGTVSKVAETALLLEKTPAEWTPIIYNAFLKRISEFEDW
LGEQPEETIALVGHSSQFFKAMLGLTYKFGNCEVWEVDFDSSSTQDGMSQDATANTSGEKI
KEEQPSFYTPRSRWSNLVKKLHHCIEISSPRIV
>comp12551_c0_seq1; 1393 223 4524 LEN=4555; translated
MEGNSFDVEEFESDHGILDSTAWSKVKVASRSKETKMYGRSRFRDPSLSYFDSDLRNPL
AEDEDEDTDVEDQQSNSMSPVDYSSFGRGYSITTPPTRRKKFVRAKSTSDASPPISRPR
RLTQMIRSQSVSTFNPQRSISAACRSFSMGQTDYENSNPNSLSTLPSDDEDYTSKRLADT
DATQKGRKKSASAKHSFQRNNDFTSLYNDNYETKFPFSFASDSFNLARNHIECRPGWGRV
SNGNLSSNRNHGKDGKVRSSSSDFISPRSFLYNDETMESADSISSPSMSMSSSTRKRG
VCKSRFLTDDSPVSRSRRISSPPSSVIGSASKLMDLSFHSIKNTAKSDRMMLLNVMT
SDDDVNVSGESDISVSDDDVMVMDNLSQIREGPLSTKSGRLFNFEKASVDDVTKYMP
YEDIEFLMNSLQQNFRGQGGCLSWNVAPPVDWPAKRRDSFFQATRKLGFTRAGGGKVS
IQISKRRGRGLLSLLETSLANYGEREVGKSTPTAEGINTSMNFTFLSTVKKKLKSA
TRVSKILRLTPKELALNSRFKFKDTTDELQFMSKLDMNDESQAIENDNNDKECLFDM
SNGHSRTGVPRKSLDHHSSSDLNAMHGATPVPHRGRGRPPRLSLQSASSASMDTQSP
FVTNSHLSKPAHIDTHVSCGMNANDFVSTPSVGRQGDWGSRPFNDRDWTSEQCEAVI
IKKLFDRFKKLQKNAGLDVGEDQILSCNDVESSFLDFGAVSQFSDDLVSPISSAIDAG
ITEQAISCEVSLLDNHASERVNEFPFSRVLRRRQTAFAKHRMSLYASAMNPADTFAK
RRKSLFVQQASALPATTKNLLLSAPEFFSQYTSDTNESSFEKVGAAHEESPLENQVLR
TIFDFLEERELFLIASLVSTKWSDVATESHANLVSSVAKCKEELKLEENENTRGSQR
SWEYLTTTTPWACFLSEGAFKRKYKVFNKTCEIEEAVSVMNVQQIHSTGNINVVGAEL
AVSVMSSLVRRGICPNFIVTRGMFSCQYEPPESHWGTAGNKMPKGFYSSSRIRKRRPRE
PKKSGRFQYIRMELCDEGDAEEFLKRQDPDEVLTTPHQARNFLFQISFALYAAAEKFS
LKHVDVKKLLNVFLQRMKPKQSEGNIVLRYGLGEHTFVLQSSRDDAIIAKLADYGTAN
VDCVSNQKVTIAQFTTLENTPPDFLILGDEALQGHGDCFGLGLCMLHLFTGHAPYEEI
LEGVTCPSRLKKELRRIWENEEETQFSVIRSIVLADVYKDEDGHVIEGDPDDTLYDT
LYKFLVLFVFGIPDDSSGFLGSKVMAAVKATLVSDSRQKVRTRNKIVPCDANEFAR
DRRKFSLSHGNNQYISRARTSLSALDGGMELLLSLVQFNPQVRASALDVLNSSFMA
PLRETSNENQGYDDGNDEVLSTAFSTQKN
>comp12552_c0_seq1; 603 119 1753 LEN=2185; translated
MYKRRGSLSGNEARFFFPQENSNPRESILFDSQNSNGFRIPSDLVDEDAVEEEDDFAD
FGDEDNIEAAIRSLPIFEKEETEKEQDPTEKETEEDLEKEEEEKEDVKTEEKNEGLR
KRRRTRDKGANDDDYDSDIIEFVKLVERSRSMLMKPLLLRILNENKFEKLPFLEDSS
SDLRASRKRSDKTGLDSTSYHRRQGGRRMTRSQSDLHSSGVHGLRNSSGHGMKSTRRT
MRTSSMHRGPRNNMSSRMNDQVSPGAGLSRSPSTASRLRSKRTSESIRKHRNSQWEV
NRSSSGREGMORLGSQKLSGNNDSSSSFGADLSSSKRRNSGAGSLKGEQSSGKQNAH
WNLLKSSGGKDALLRIGSDQKLSGNNDSSSSLKVDVTSKSPASNGKQNAHWDLKSSA
GRNALSMLHKMNSDDDDSSSSPSETEDAFVAPLASSREQTVGLHSLLDLRLGKDSNS
SNKDDEDAEDTKAKKNKSILKFQLISKQLKLMGMIGNNKDKDKDKQTAKFNSSLSDEK
DPKDANENSMSSLNED
>comp12553_c0_seq1; 285 238 1227 LEN=1436; translated
MAMLAETTRVSVGDFAAGKKTNPPTTLVGRSRAGDATAFAIPEMKWLFDCGAMVQEWK
PRIIFLTHTHSDHIHFLFRFKDDERPPTIYLPEASMPFVETCLKAYEEMTECQSLAAE
HSGNDTETTERKSGFLLKAVRPDEEFVSHGGNKFRVRTLSMTHRIPCLGYSIFRLRSSL
KEDFKGLSGREIGQLKKDGDVDTKVVEEYLCFMGDTTAKVFEIDYPEILKHHSTVVLE
CTFIDVDSRERAEVTKHTHWDDLQPHIASNPDTMFIHVHFSLKYSLSLRRFFRDQQVI
YDNVHPM

LIEREVKEQWHKTGEEGEHPRCNCRICRD

>comp12554_c0_seq1; 713 478 2700 LEN=2996; translated
MFKPENRQFTDTTYHRACELDDFTAESVEELMIEDHF'TTKDAEQHMLVHGASVYPNLLT
NETASELREWIVHENRIREGWNVIEENRYTWGIDINMHPKLQTYWQELAANDQFRNGLE
AIVGPDPAII EFTAITSSYGAEDQYMHADVIHHGSAVKYARSFVPSYSLFIPLQDTTYEM
GATHVCPGSHQCSEADDICDDYGAFAVSGEGGGVWKMGDGALLNQQTfHKGMGYTQKGGP
DRVVLIATFAPRPKHGKGVESRQIGQGGSYLLWNQWGHTFSDFVHADKRMTEPQKTLRS
LGLIKNGWNYLSTLSMRMANEDTEMRPDNL EELLEEEEGGLWFLPRSWQDGIDEVSDISE
YHGFAVGVMKRVEFEFGRFYLLVLGLYLSIF SFLVMTQRAVGVGKISRQSKVSI SLRFFL
RIFVTHGIVIAFAWCALKTVEDSNWAKSIRS RKLRYRIPVSDVNDPAPSTIPHTMDILFVP
HYASDYLASARVVDVVHPGNLYWKTITQQYSAAYHNLPIGTKDLFCETLLVDVTRTRRF
LKQDEERFWTDIIEPDELITACHREMATSFDPLLGTMRVQIASLQSETIFGKFRDTAMQR
KIIPDYLRKWDRVLFYLGSKKTI PNQDFVTKPKDGTKTKTMDLDKGIKSMTKIELVATNS
ASSIPLRSHNWPPQLKRTEPYHGAWLKEGDRAEGRFRCEDEGEWFAGTITAAIPNEGTYD
IMYDDGDNDDEGLSRECVNRL

>comp12554_c0_seq2; 489 478 2968 LEN=3264; translated
MFKPENRQFTDTTYHRACELDDFTAESVEELMIEDHF'TTKDAEQHMLVHGASVYPNLLT
NETASELREWIVHENRIREGWNVIEENRYTWGIDINMHPKLQTYWQELAANDQFRNGLE
AIVGPDPAII EFTAITSSYGAEDQYMHADVIHHGXVRMDEWKYKLASVAKQVKVQASFFF
FWTLEIQLDSTDCNTKMYACFTYS AVKYARSFVPSYSLFIPLQDTTYEMGATHVCPGS
HQCSEADDICDDYGAFAVSGEGGGVWKMGDGALLNQQTfHKGMGYTQKGGPDRVVLIATF
APRPKHGKGVESRQIGSANFFF GDXXKRKLDTISESEFFDILHRLIFVKFITKGQGGSYS
LLWNQWGHTFSDFVHADKRMTEPQKTLRS LGLIKNGWNYLSTLSMRMANEDTEMRPDNL
EELLEEEEGGLWFLPRSWQDGIDEVSDISEYHGFAVGVMKRVEFEFGRFYLLVLGLYLSIF
SFLVMTQRAVGVGKISRQSKVSI SLRFFLRIFVTHGIVIAFAWCALKTVEDSNWAKSIRS
RKLRYRIPVSDVNDPAPSTIPHTMDILFVPHYASDYLASARVVDVVHPGNLYWKTITQQY
SAAYHNLPIGTKDLFCETLLVDVTRTRRFLKQDEERFWTDIIEPDELITACHREMATSFD
PLLGTMRVQIASLQSETIFGKFRDTAMQRKIIPDYLRKWDRVLFYLGSKKTI PNQDFVTK
PKDGTKTKTMDLDKGIKSMTKIELVATNSASSIPLRSHNWPPQLKRTEPYHGAWLKEGDR
AEGRFRCEDEGEWFAGTITAAIPNEGTYDIMYDDGDNDDEGLSRECVNRL

>comp12554_c0_seq3; 662 478 2694 LEN=2704; translated
MFKPENRQFTDTTYHRACELDDFTAESVEELMIEDHF'TTKDAEQHMLVHGASVYPNLLT
NETASELREWIVHENRIREGWNVIEENRYTWGIDINMHPKLQTYWQELAANDQFRNGLE
AIVGPDPAII EFTAITSSYGAEDQYMHADVIHHGSAVKYARSFVPSYSLFIPLQDTTYEM
GATHVCPGSHQCSEADDICDDYGAFAVSGEGGGVWKMGDGALLNQQTfHKGMGYTQKGGP
DRVVLIATFAPRPKHGKGVESRQIGQGGSYLLWNQWGHTFSDFVHADKRMTEPQKTLRS
LGLIKNGWNYLSTLSMRMANEDTEMRPDNL EELLEEEEGGLWFLPRSWQDGIDEVSDISE
YHGFAVGVMKRVEFEFGRFYLLVLGLYLSIF SFLVMTQRAVGVGKISRQSKVSI SLRFFL
RIFVTHGIVIAFAWCALKTVEDSNWAKSIRS RKLRYRIPVSDVNDPAPSTIPHTMDILFVP
HYASDYLASARVVDVVHPGNLYWKTITQQYSAAYHNLPIGTKDLFCETLLVDVTRTRRF
LKQDEERFWTDIIEPDELITACHREMATSFDPLLGTMRVQIASLQSETIFGKFRDTAMQR
KIIPDYLRKWDRVLFYLGSKKTI PNQDFVTKPKDGTKTKTMDLDKGIKSMTKIELVATNS
ASSIPLRSHNWPPQLKRTEPYHGAWLKEGDRAEGRFRCEDEGKNIEKREKQEQYHCLHS
YPFTYFFPYSLITLCAR

>comp12554_c0_seq4; 438 478 2962 LEN=2972; translated
MFKPENRQFTDTTYHRACELDDFTAESVEELMIEDHF'TTKDAEQHMLVHGASVYPNLLT
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AIVGPDPAII EFTAITSSYGAEDQYMHADVIHHGXVRMDEWKYKLASVAKQVKVQASFFF
FWTLEIQLDSTDCNTKMYACFTYS AVKYARSFVPSYSLFIPLQDTTYEMGATHVCPGS
HQCSEADDICDDYGAFAVSGEGGGVWKMGDGALLNQQTfHKGMGYTQKGGPDRVVLIATF
APRPKHGKGVESRQIGSANFFF GDXXKRKLDTISESEFFDILHRLIFVKFITKGQGGSYS
LLWNQWGHTFSDFVHADKRMTEPQKTLRS LGLIKNGWNYLSTLSMRMANEDTEMRPDNL
EELLEEEEGGLWFLPRSWQDGIDEVSDISEYHGFAVGVMKRVEFEFGRFYLLVLGLYLSIF
SFLVMTQRAVGVGKISRQSKVSI SLRFFLRIFVTHGIVIAFAWCALKTVEDSNWAKSIRS
RKLRYRIPVSDVNDPAPSTIPHTMDILFVPHYASDYLASARVVDVVHPGNLYWKTITQQY
SAAYHNLPIGTKDLFCETLLVDVTRTRRFLKQDEERFWTDIIEPDELITACHREMATSFD
PLLGTMRVQIASLQSETIFGKFRDTAMQRKIIPDYLRKWDRVLFYLGSKKTI PNQDFVTK
PKDGTKTKTMDLDKGIKSMTKIELVATNSASSIPLRSHNWPPQLKRTEPYHGAWLKEGDR
AEGRFRCEDEGKNIEKREKQEQYHCLHSYPFTYFFPYSLITLCAR

>comp12554_c0_seq5; 552 478 2847 LEN=2857; translated

MFKPENRQFTDTTYHRACELDDFTAESVEELMIEDHF'TTKDAEQHMLVHGASVYPNLLT
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AIVGPDPAII EFTAITSSYGAEDQYMHADVIHHGXVRMDEWKYKLASVAKQVKVQASFFF
FWTLEIQLDSTDCNTTKMYACFTYSAVKYARSFVPSYSLFIPLQDTTYEMGATHVCPGS
HQCSEADDICDDYGAFAVSGEGGVWKMGDGALLNQQTFFHKGMGYTQKGGPDRVVL IATF
APRPKHGKGVESRQIGQGGSYSLWNQWGHTFSDFVHADKRMTEPQKTLRSLGLIKNGW
NYLSTLSMRMANEDTEMRPDNLEELLEEEGGLWFLPRSWQDGIDEVSDISEYHGFVAVGVM
KRVEFEFGRFYLLVLGLYLSIFSFLVMTQRAVGVGKISRQSKVSI SLRFFLRIFVTHGIV
IAFAWCALKTVEDSNWAKSIRSRLKLYRIPVSDVNDPAPSTIPHTMDILFVPHYASDYLAS
YARVVDVHHPGNLYWKTITQQYSAAYHNLPIGTKDLFCETLLVDVTRTRRFLKQDEERFW
TDIIEPDELITACHREMATSFDPLLGTMRQIASLQSETIFGKFRDTAMQRKII PDYL RK
WDRVLFYLGSKKTIPNQDFVTKPKDGTKTKTMDLDKGIKSMTKIELVATNSASSIPLRSH
NWPPQLKRTEPHYGAWLKEGDRAEGRFRCEDEGKNIKREKQEQYHCLHSYPFTYFFPY
SLLITLCAR

>comp12554_c0_seq6; 603 478 2853 LEN=3149; translated
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AIVGPDPAII EFTAITSSYGAEDQYMHADVIHHGXVRMDEWKYKLASVAKQVKVQASFFF
FWTLEIQLDSTDCNTTKMYACFTYSAVKYARSFVPSYSLFIPLQDTTYEMGATHVCPGS
HQCSEADDICDDYGAFAVSGEGGVWKMGDGALLNQQTFFHKGMGYTQKGGPDRVVL IATF
APRPKHGKGVESRQIGQGGSYSLWNQWGHTFSDFVHADKRMTEPQKTLRSLGLIKNGW
NYLSTLSMRMANEDTEMRPDNLEELLEEEGGLWFLPRSWQDGIDEVSDISEYHGFVAVGVM
KRVEFEFGRFYLLVLGLYLSIFSFLVMTQRAVGVGKISRQSKVSI SLRFFLRIFVTHGIV
IAFAWCALKTVEDSNWAKSIRSRLKLYRIPVSDVNDPAPSTIPHTMDILFVPHYASDYLAS
YARVVDVHHPGNLYWKTITQQYSAAYHNLPIGTKDLFCETLLVDVTRTRRFLKQDEERFW
TDIIEPDELITACHREMATSFDPLLGTMRQIASLQSETIFGKFRDTAMQRKII PDYL RK
WDRVLFYLGSKKTIPNQDFVTKPKDGTKTKTMDLDKGIKSMTKIELVATNSASSIPLRSH
NWPPQLKRTEPHYGAWLKEGDRAEGRFRCEDEGEWFAGTITAAIPNEGTYDIMYDDGDND
EGLSRECVNRL

>comp12554_c0_seq7; 599 478 2815 LEN=3111; translated
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AIVGPDPAII EFTAITSSYGAEDQYMHADVIHHGSAVKYARSFVPSYSLFIPLQDTTYEM
GATHVCPGSHQCSEADDICDDYGAFAVSGEGGVWKMGDGALLNQQTFFHKGMGYTQKGGP
DRVVL IATFAPRPKHGKGVESRQIGSANFFFGDXKKRKLDTISESEFFDILHRLIFVKFI
TKGQGGSYSLWNQWGHTFSDFVHADKRMTEPQKTLRSLGLIKNGWNYLSTLSMRMANE
DTEMRPDNLEELLEEEGGLWFLPRSWQDGIDEVSDISEYHGFVAVGVMKRVEFEFGRFYLL
VLGLYLSIFSFLVMTQRAVGVGKISRQSKVSI SLRFFLRIFVTHGIVIAFAWCALKTVED
SNWAKSIRSRLKLYRIPVSDVNDPAPSTIPHTMDILFVPHYASDYLAS YARVVDVHHPGNL
YWKTITQQYSAAYHNLPIGTKDLFCETLLVDVTRTRRFLKQDEERFWTDIIEPDELITAC
HREMATSFDPLLGTMRQIASLQSETIFGKFRDTAMQRKII PDYL RKWDRVLFYLGSKKT
IPNQDFVTKPKDGTKTKTMDLDKGIKSMTKIELVATNSASSIPLRSHNWPPQLKRTEPHY
GAWLKEGDRAEGRFRCEDEGEWFAGTITAAIPNEGTYDIMYDDGDNDEGLSRECVNRL

>comp12554_c0_seq8; 548 478 2809 LEN=2819; translated
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>comp12567_c0_seq1; 216 985 1839 LEN=2485; translated
MDDTVITNAGDFVYMVVNGATKFKDMAHFQEQLDAFEGDVTMEYLEDTMQLLALQGPAA
EAIKILPAGFDLTSMAFMTGTDVTLDDGGIEGCRITRCGYTGEDGFIEIAPAEHCEAIAS
KLI EDPTVNPTGLGARDSLRLEAGLCLYGNDLDETTNPVEGTLAWTLGRPGSRRRTEQGF
CGAETFLTPEGLRKRQSRKRVGIMGKAPARQGTETIYDSEDNLVGTVTSTGYSPCLKKPI
ATGYVDSGLAKAGTTQLKIRNKMQAEEVTKMPFVESRYRVP

>comp12567_c0_seq2; 433 159 1424 LEN=2070; translated
MSLLQSSLRSSASAAKATTARRSMAAAAASSDEPLRKTSLHQWHLDLGGDMVPFAGYEL
PVLYKGDKAPNGGVMKEHLWCRSEGKASLFDVSHMGQIRWHGADRAKFIKVVVVDIQGL
EDHGLLSLITNAQGGIMDDTVITNAGDFVYMVVNGATKFKDMAHFQEQLDAFEGDVTME
YLEDTMQLLALQGPAAEAIKILPAGFDLTSMAFMTGTDVTLDDGGIEGCRITRCGYTGE
DGFIEIAPAEHCEAIASKLI EDPTVNPTGLGARDSLRLEAGLCLYGNDLDETTNPVEGTL
AWTLGRPGSRRRTEQGF CGAETFLTPEGLRKRQSRKRVGIMGKAPARQGTETIYDSEDNL
VGTVTSTGYSPCLKKPIATGYVDSGLAKAGTTQLKIRNKMQAEEVTKMPFVESRYRVP
E

>comp12568_c0_seq1; 729 364 2178 LEN=2628; translated

MSSLLGFRSSRKASASASLADGEYDGGVSIIVSITADRTOQLGSVEKKHKESGSSKSKKKFD
ISCAQVMSDVTFNAMPVVEEKIDLAELSTSTTHEFVVECENGERIYVPSSQGILIKSR
CRHFRSLGSRGACSLVIDGTNDEAYERDNRVIKKDNWSPRTARHVIELLTEGTTWIEN
NNRRFVELLKACDEISVPLCLGSIINYHDVLDPASSLRFFKLNDSPYRFLAGTIQSWQ
WMHLLQKGVLLHLDSAKVLMSSKLPNEGSDSELRQKRLSKCDDLYSEFSVYSEKSKVNT
LYTIFDLLSATSKIAERKGGKSPLQKRSAGGYTAVEESFRIIYKTQRGALKEPDLNMLWR
MTSASYTLSTIDEQRFLPMSSCDETIASSTLPQSIQRLNLQLGDDFQIVKDSVARTSTTK
SSGDETNDHESVDERTNEGTSSTMASPLTPQSALTGTTNLRHFSLKQETRTITGTSE
AVLQHLFDPINSSSKNHTQSSEFHSDDLPAACLSIENPTPDTLGRFLNACETELGDSK
SATHKIGYHISSPSLSSNRKKTGVTFFVAGTTKNIKILKYMADYSKTSIVGDIDFKL
EELR

>comp12569_c0_seq1; 376 163 1500 LEN=1591; translated
MNYLIELLQHTVFHKNFVDEDRSIEDNALFTVEIPLFSSIFGYGDLDDGKEAAVCGLIIPP
HYLSYIQLVVIVLLQTIFFNAVLGLFLFKVVVEPKQRIQKSGSDDPLASGRAILFAFGLAL
PCVVMETIYLSRTLGVKNMCLIMVLLATPIVNSLRIAEAAFGFTPVPERLSLWNYIIYFS
CTQIVRFNPVCGKPYASLQSIGKTLMTLARDIALACLILSVLKPYNFEVFDTGREHVSM
DHDLDLDFCWKHLNNYLVAFLLISTTVSKGSIAVAAYNIFYRVETHEMVLNPMMLKSKSP
SDFWGRRWMMVHKGLKNGVYKPTRKQTSRVAGVFATFVVSIGILHEYVNYIMFLDRNNG
NITPYRFRWKQMLFFGWNGILILEYICIGNWNIFKWMKSNLPQVVVSTLVISAALPLVHL
FTGDWILYGYFDNVCSMEFVVLNT

>comp12569_c0_seq2; 249 897 1616 LEN=1707; translated
MTLARDIALACLILSVLKPYNFEVFDTGREHVSMHDHDLDLDFCWKHLNNYLVAFLLISTT
VSKGSIAVAAYNIFYRVETHEMVLNPMMLKSKSPSDFWGRRWMMVHKGLKNGVYKPTRK
QTSRVAGVFATFVVSIGILHEYVNYIMFLDRNNGNITPYRFRWKQMLFFGWNGILILEY
CIGNWNIFKWMKSNLPQVVVSTLVISAALPLVHLFTGDWILYGYFDNVCSMEFVVLNT

>comp12569_c0_seq3; 249 889 1608 LEN=1699; translated
MTLARDIALACLILSVLKPYNFEVFDTGREHVSMHDHDLDLDFCWKHLNNYLVAFLLISTT
VSKGSIAVAAYNIFYRVETHEMVLNPMMLKSKSPSDFWGRRWMMVHKGLKNGVYKPTRK
QTSRVAGVFATFVVSIGILHEYVNYIMFLDRNNGNITPYRFRWKQMLFFGWNGILILEY
CIGNWNIFKWMKSNLPQVVVSTLVISAALPLVHLFTGDWILYGYFDNVCSMEFVVLNT

>comp12569_c0_seq5; 292 163 951 LEN=1674; translated
MNYLIELLQHTVFHKNFVDEDRSIEDNALFTVEIPLFSSIFGYGDLDDGKEAAVCGLIIPP
HYLSYIQLVVIVLLQTIFFNAVLGLFLFKVVVEPKQRIQKSGSDDPLASGRAILFAFGLAL
PCVVMETIYLSRTLGVKNMCLIMVLLATPIVNSLRIAEAAFGFTPVPERLSLWNYIIYFS
CTQIVRFNPVCGKPYASLQSIGKTLMTLARDIALACLILSVLKPYNFEVFDTGREHVSM
DHDLDLDFCWKHLNNYLVACE

>comp12569_c0_seq8; 249 1005 1724 LEN=1815; translated
MTLARDIALACLILSVLKPYNFEVFDTGREHVSMHDHDLDLDFCWKHLNNYLVAFLLISTT
VSKGSIAVAAYNIFYRVETHEMVLNPMMLKSKSPSDFWGRRWMMVHKGLKNGVYKPTRK
QTSRVAGVFATFVVSIGILHEYVNYIMFLDRNNGNITPYRFRWKQMLFFGWNGILILEY
CIGNWNIFKWMKSNLPQVVVSTLVISAALPLVHLFTGDWILYGYFDNVCSMEFVVLNT

>comp12570_c0_seq1; 328 91 1113 LEN=1241; translated
MKFCKILRQSIDSSNPEWAPFWINYLEFENI IKDLPAVVS IHTNEIGNCKFIVKNPKEVE
FFKQLHAELKKVSIFFTKAKKEIKIRFARVQDGIKI IHESDHVTTA QDKWMLSARSFAFKL
HNNLLSLETFAIINYCAF SKILNKHDQKTGYRTKMAFMENNVVSQSSFAVYPDLLDMIQCC
EAFHDQVSKNIGREESHKLG MVGTLHAPLSVTKEGVTFGKFQILETEIAPICNVEMNDTK
TDAGFGKRSFAQMLATEIAAIKKEGKHTDAGIKTFARTITEGIGRLRKVSEDSTALENYI
LGYGKMPKKSECRETVDYERHHLQNRVLVGTVIGHAKKQRLN

>comp12571_c0_seq1; 273 292 975 LEN=1036; translated
MAMFSLACSSVRVMKRFSSSLRVGNRTHGGGLKIGEPDRDFSRGGLFLAAVIGIGAASCSF
VFEKEEYLLHTRTVGTTIRNLS TMTTQMDYLEHDPKDYDIYIKNPTAEDLPYLLNQFD
EHGKEVWPWIWTHPNETGPHFVFGVNRD TLCRIRQLRSISPSYNILLIASEESIKKA VD
EADDPVYDETYCGIVSDASLELLNVEAKILMLSDERVIAFDSL TIA

>comp12572_c0_seq1; 527 231 1313 LEN=1567; translated
MTKHVANGLTNGNIVRIGPLLSTCVDACQRCVEIRKVQAARESSGNKELEGVVLKDVQD
PRSALTEADKAAHAAIVGSLRAEWGNSDAGEDCLSVVGEEDDDEELTKSLEDTVFPELDR
DLFSEEIPDDIGPEIEAGSITIFVDPLDGTREFVEGRLENCQVLVGLAIDGEAVAGAVGI
PFPDGTLEKDSTVIYGLDGLGTGVI GTTLTRGPFLKYS DGEKYPKPHHATGDSTAEVM
EACRRGAIDGLEGSIVTYGGAGNKILGAALGEVACSIQHKIGGAWDLCAPEAILKAMGGR
MTDLFGDEIAIYHPDAPSHCNQRGYIATPPGSGDNFHAALAAKMLSLPEVQKYQKEVEGM

>comp12573_c0_seq1; 354 1 824 LEN=843; translated
XSFYLTTRKCDINRFQNRRTINEARQRRIMNAVEEEDLVQLLQSVLLENQEEENDELEEL
LPYISGLLVAQLQEIEGNDVSEVDEILEENMVPFLDSIGVPTELIDAAATAIRTRLQSSA
PTATEKAEGYSGQMOKLTQGAVNMSSVLEKQSENNGSEDESMWSTNSKVKANANTQIDAY
TNKTSADKDRKQRQDLEKSRDLERQNERQETSTKAGVSAMILPTVKGKDMNVNVQRITL
ALENGMNLDDQGDNLNFAYQRRYAIIGENGVGKCK

>comp12573_c0_seq2; 707 1 2141 LEN=2422; translated
XSFYLTTRKCDINRFQNRRTINEARQRRIMNAVEEEDLVQLLQSVLLENQEEENDELEEL
LPYISGLLVAQLQEIEGNDVSEVDEILEENMVPFLDSIGVPTELIDAAATAIRTRLQSSA
PTATEKAEGYSGQMOKLTQGAVNMSSVLEKQSENNGSEDESMWSTNSKVKANANTQIDAY
TNKTSADKDRKQRQDLEKSRDLERQNERQETSTKAGVSAMILPTVKGKDMNVNVQRITL
ALENGMNLDDQGDNLNFAYQRRYAIIGENGVGKTLLNRANWEDLEGFPRHLRVLHVQKQ
LHTENEETSVDLAVLEADIERVALLQEEKELTARLEGKGAEEESKNDNEDTVEARKKRLAE
AAEDDKKFSSEDLAKLSSIIYERLTLLGADTAQSRATAILSGLQFTDEMNASPIKSLSGGWR
MRVALAASLLIEPDILMLDEPTNHLDEAVLWLEAHLKSYPHTVITVSHDRGFLNEVCTD
TIEFKDKKLTYYRGNVDFVVKLKGKQKNQMRREYEAAYKVKRDHMMEFIEKFRANAKRATI
VQSRKAVNKMDAEAPEPVTMDAVWRFSSIPSEPLGRPIIAINDVTFDYNLKHDRGTGKKT
KEEYLLQKVNFGLDNNSKIALLGANGQKTTLLNLMGQLRPVSGSVVNSGLRIGHFTQ
HHSERFDLDSAVENLLNIFNSAEDQVIRSFLGRFQIQGADALKPMRYLSGGT

>comp12573_c0_seq3; 665 1 2233 LEN=2514; translated
XSFYLTTRKCDINRFQNRRTINEARQRRIMNAVEEEDLVQLLQSVLLENQEEENDELEEL
LPYISGLLVAQLQEIEGNDVSEVDEILEENMVPFLDSIGVPTELIDAAATAIRTRLQSSA
PTATEKAEGYSGQMOKLTQGAVNMSSVLEKQSENNGSEDESMWSTNSKVKANANTQIDAY
TNKTSADKDRKQRQDLEKSRDLERQNERQETSTKAGVSAMILPTVKGKDMNVNVQRITL
ALENGMNLDDQGDNLNFAYQRRYAIIGENGVGKTLLNRANWEDLEGFPRHLRVLHVQKQ
LHTENEETSVDLAVLEADIERVALLQEEKELTARLEGKGAEEESKNDNEDTVEARKKRLAE
AAEDDKKFSSEDLAKLSSIIYERLTLLGADTAQSRATAILSGLQFTDEMNASPIKSLSGGWR
MRVALAASLLIEPDILMLDEPTNHLDEAVLWLEAHLKSYPHTVITVSHDRGFLNEVCTD
TIEFKDKKLTYYRGNVDFVVKLKGKQKNQMRREYEAAYKVKRDHMMEFIEKFRANAKRATI
GKLDQKQISATIQLDPGIVLSSCNSNVLKSSIPKAVNKMDAEAPEPVTMDAVWRFSSIP
SSEPLGRPIIAINDVTFDYNLKHDRGTGKKTKEEYLLQKVNFGLDNNSKIALLGANGQKKT
TLLNLMGQLRPVSGSVVNSGLRIGHFTQHHSERFDLDSAVENLLNIFNSAEDQVIRS
FLGRFQIQGADALKPMRYLSGGT

>comp12573_c0_seq5; 726 1 2536 LEN=2577; translated
XSFYLTTRKCDINRFQNRRTINEARQRRIMNAVEEEDLVQLLQSVLLENQEEENDELEEL
LPYISGLLVAQLQEIEGNDVSEVDEILEENMVPFLDSIGVPTELIDAAATAIRTRLQSSA
PTATEKAEGYSGQMOKLTQGAVNMSSVLEKQSENNGSEDESMWSTNSKVKANANTQIDAY
TNKTSADKDRKQRQDLEKSRDLERQNERQETSTKAGVSAMILPTVKGKDMNVNVQRITL
ALENGMNLDDQGDNLNFAYQRRYAIIGENGVGKTLLNRANWEDLEGFPRHLRVLHVQKQ
LHTENEETSVDLAVLEADIERVALLQEEKELTARLEGKGAEEESKNDNEDTVEARKKRLAE
AAEDDKKFSSEDLAKLSSIIYERLTLLGADTAQSRATAILSGLQFTDEMNASPIKSLSGGWR
MRVALAASLLIEPDILMLDEPTNHLDEAVLWLEAHLKSYPHTVITVSHDRGFLNEVCTD
TIEFKDKKLTYYRGNVDFVVKLKGKQKNQMRREYEAAYKVKRDHMMEFIEKFRANAKRATI
GKLDQKQISATIQLDPGIVLSSCNSNVLKSSIPKAVNKMDAEAPEPVTMDAVWRFSSIP
SSEPLGRPIIAINDVTFDYNLKHDRGTGKKTKEEYLLQKVNFGLDNNSKIALLGANGQKKT
TLLNLMGQLRPVSGSVVNSGLRIGHFTQHHSERFDLDSAVENLLNIFNSAEDQVIRS
FLGRFQIQGADALKPMRYLSGGQKSRVSAVFLAYQRPHLLIIDEGSNHLSDAVDALIQA
INEFKGGLLVVSHDQYFVNATCNEIWVVEDGKAARFEGTFNDYKMHTAKKTEKRVEDSLK
KLV

>comp12573_c0_seq6; 768 1 2444 LEN=2485; translated
XSFYLTTRKCDINRFQNRRTINEARQRRIMNAVEEEDLVQLLQSVLLENQEEENDELEEL
LPYISGLLVAQLQEIEGNDVSEVDEILEENMVPFLDSIGVPTELIDAAATAIRTRLQSSA
PTATEKAEGYSGQMOKLTQGAVNMSSVLEKQSENNGSEDESMWSTNSKVKANANTQIDAY
TNKTSADKDRKQRQDLEKSRDLERQNERQETSTKAGVSAMILPTVKGKDMNVNVQRITL
ALENGMNLDDQGDNLNFAYQRRYAIIGENGVGKTLLNRANWEDLEGFPRHLRVLHVQKQ
LHTENEETSVDLAVLEADIERVALLQEEKELTARLEGKGAEEESKNDNEDTVEARKKRLAE
AAEDDKKFSSEDLAKLSSIIYERLTLLGADTAQSRATAILSGLQFTDEMNASPIKSLSGGWR
MRVALAASLLIEPDILMLDEPTNHLDEAVLWLEAHLKSYPHTVITVSHDRGFLNEVCTD
TIEFKDKKLTYYRGNVDFVVKLKGKQKNQMRREYEAAYKVKRDHMMEFIEKFRANAKRATI
VQSRKAVNKMDAEAPEPVTMDAVWRFSSIPSEPLGRPIIAINDVTFDYNLKHDRGTGKKT

KEEYLLQKVNFLDNSSKIALLGANGQGKTTLLNLMGQLRPVSGSVVVNSGLRIGHFTQ
HHSEFDFDLDSAVENLLNIFNSAEDQVIRSFLGRFQIQGADALKPMRYLSGGQKSRVSFA
VLAYQRPHELLIIDEGSNHLSMDAVALIQAINFEFKGGLLVVSHDQYFVNATCNEIWVVED
GKAARFEGTFNDYKMHATAKKTEKRVEDSLKLLVR
>comp12574_c0_seq1; 192 133 447 LEN=1209; translated
MSSGVGVTGTLGRCYPFFADLKKCVSRKTADSPQAMCWGENEDYFECIHGFKEKKRRLQV
IEEKKRREALGTKFDIHSDSGVTDFFSKPLTAGKIRAKAAASN
>comp12575_c0_seq1; 428 268 2512 LEN=2714; translated
METLVLIGFGLLLLISQIEGLAGSSPPRRPPRIRPRRQSPSTSSSDSDFDTGGGSSNHNK
SKATGNDREELRVRHEQALQDPSLLTTVRFSDRTDIHPDTRRALEEGFGLRAMTRVQAE
TYGAALEGRSILARSRTGTGKTLAFLPTIERLLDSDLDLYQPGRSIGCVILAPTRELAI
QIADQAEILFDYHNKQRPSNKQLSVACIYGKALAVSPFCYSPQEEPQEKLSRDNGSTTF
LHYPGLTDNLFALFLQIRSGGVKMQRDVRLLTGGYRGAGLPTILVATPARLLEHLEGNP
LNKNHRYNRNHQQEQRSKNSFADVADTKIVVLDETDRLQKSNQYETQKILGFMARAEK
RQTLLEFSATIPRAVRLISTSSVLNKKVKHNNGRRERKDDDATFLEVDCIGNKNDRPDDT
APVGDKQSPAAVTLDAEIEGSPDSVHRQRIEETFAVLENMSQFIPALLAIIRREKQRDSQ
NYKILVFFPAGRMVRFMFQFFTIGVIEGKNNIWEIHSRMSQSSRTRASAAFRNARNGILF
SSDVSARGLDYPDISLVVQMGAPSSDQDIHRIGRTGRAGQVGRSLLVLLPFERQKKEQR
RQKGGNKKRPKVSYNNDASIKQDRQLSSWLNECGHDDHEEMSSSKSLYQKCQDDLESTR
LKVRSGHVVLTTGAEAAKYTFLAHYVATIKPPNKS KSGTKQYTNRGNSVNNLKPSEVLVH
AEDFARGTGLADAPEMEETFLSKLGLL
>comp12575_c0_seq2; 462 268 2361 LEN=2563; translated
METLVLIGFGLLLLISQIEGLAGSSPPRRPPRIRPRRQSPSTSSSDSDFDTGGGSSNHNK
SKATGNDREELRVRHEQALQDPSLLTTVRFSDRTDIHPDTRRALEEGFGLRAMTRVQAE
TYGAALEGRSILARSRTGTGKTLAFLPTIERLLDSDLDLYQPGRSIGCVILAPTRELAI
QIADQAEILFDYHNKQRPSNKQLSVACIYGGVKMQRDVRLLTGGYRGAGLPTILVATPAR
LLEHLEGNP LNKNHRYNRNHQQEQRSKNSFADVADTKIVVLDETDRLQKSNQYETQK
ILGFMARAEKRQTLLEFSATIPRAVRLISTSSVLNKKVKHNNGRRERKDDDATFLEVDCI
GNKNDRPDDTAPVGDKQSPAAVTLDAEIEGSPDSVHRQRIEETFAVLENMSQFIPALLAI
IRREKQRDSQNYKILVFFPAGRMVRFMFQFFTIGVIEGKNNIWEIHSRMSQSSRTRASAA
FRNARNGILFSSDVSARGLDYPDISLVVQMGAPSSDQDIHRIGRTGRAGQVGRSLLVLL
PFERQKKEQRQKGGNKKRPKVSYNNDASIKQDRQLSSWLNECGHDDHEEMSSSKSLYQ
KCQDDLESTR LKVRSGHVVLTTGAEAAKYTFLAHYVATIKPPNKS KSGTKQYTNRGNSV
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>comp12576_c0_seq1; 579 127 1248 LEN=1417; translated
MSEETTITGPPKMPPVVKRIEEQTPESPPTVVCVLLVGMAGSGKTTLMSQLQDSTIDYDDE
EDI EGEEAKEKTAGGDDGQNEEDDIDNEEDTKPQEKSMPAYCINLDPATLDVPYSPSIDI
RDTVDYKEVMKQHRLGPNGAIMTSLNLYATKFDQVIRILEERADEKKLSEFLLVDTPGQI
EAF TWSASGAILSESLASTFPTVMVFVVDTVRCASSPNTFMSNMLYACSMYYRTRPLVI
CFNKTDVCSHEFCMEWMQDFEAFQEALDNARSEGDGGGESGFYDSLTRSLSLVLDEFYTE
FSKNACGVS AVTGDGIENFWSKIRQAADSDFGLEYLEDLQHRIEEQEAKRQAMARVQARRM
QRDVERDNANLPG
>comp12577_c0_seq1; 234 186 554 LEN=1328; translated
MCRNSENLSQKKSGEDSGKQLSIGDFDPTCPWDLRDRLPGEAAIRKIFSFVPDRFKEG
SWLLLS TWVLAISISIVLYVTVDANIKFRASHNDTGIMEDFVGGKFYKAFTVEWYYNIGF
FLW
>comp12578_c0_seq1; 432 404 1264 LEN=2066; translated
MSPTTAIPPTHVPCAREWPALSPSRIPPEDEGDWELLPDSEGESALQTSFERDAVRVVE
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GAASLASSMVMVSESPSVISIQSSWSSASKISFRDAIMKKAQETDQLSAVKEAEGTAQ
QRDAKTKKRPKFVVTP IKRCAKSTGDLRSLARIAETGGGDDDVYNNDLVLGDTDAELYY
SQKLQKLGKNGQKSRPDEAKRLQITMAKKENQRQRQKEAAMKKR
>comp12578_c0_seq2; 432 404 1264 LEN=2270; translated
MSPTTAIPPTHVPCAREWPALSPSRIPPEDEGDWELLPDSEGESALQTSFERDAVRVVE
PFEGEIEGRIGLADDNTTKSKPFCLKHAMSTPNFRTVLEECSDDEAVLVGNNSQTESQD
GAASLASSMVMVSESPSVISIQSSWSSASKISFRDAIMKKAQETDQLSAVKEAEGTAQ
QRDAKTKKRPKFVVTP IKRCAKSTGDLRSLARIAETGGGDDDVYNNDLVLGDTDAELYY
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>comp12578_c0_seq3; 432 404 1264 LEN=1641; translated
MSPTTAIPPTHVPCAREWPALSPSRIPPEDEGDWELLPDSEGESALQTSFERDAVRVVE

PFEGEIEGRIGLADDNTTKSKPFCLKHAMSTPNFRTVLEECSDDEAVLVGNNSQTESQD
GAASLASSSMVMVSESPSVISIQSSWSSASKISFRDAIMKKAQETDQLSAVKEAEGTAQ
QRDAKTKKRPKFVVTP IKRCAKSTGDLRSLARIAETGGDDDVYNNDLVLGDTDAELY
SQKLQKGLGRKNGQKSRPDEAKRLQITMAKKENQRQRQKEAAMKKR

>comp12579_c0_seq1; 892 680 4723 LEN=8408; translated
MANFPPLESSAVKNGIIGFFLPEEQKLLPRLYVVVVFVSWIVSWYTYVLLLEKEWRDLLAL
RRVYFLEADHWSRNTLEETLLREERESRQGTVDIEKGSYAKTRDPWIHHPEQRDTPV
NIELYSVLVGGPLSLPTEAFLTEDVKAVFSRKQSI EWQLAVTSAFFDHCVPNQPGFSSSV
AAVTILPAASQVTQAWKHWHYKTAAKVRRRLFIRQEIAQLKKEMNVYKMKKGVSQRRMTKQ
MKRKHEKTKKSFVYDESEKKKYFNEVLGTTDDLNVNTNNFLHSLNLGPEQTAVYSREFAQ
AAAKIAPNGWNESRIRNSSLEELLEMEKHAIFAVQEASQALQKAQEVIVESGSLCNDADV
SDLMFSATKTNGISIEKNEFHVEVRDSDEEPTKTGESIGYPTNRHSHLRSLTQNLEIVGP
ISNASDPRSTQEKEFPTRNSRKNDRSDEIRSTPGLEALCLEAGLFLEQKVI STGISQKKT
RNVFPRPTTNDIDAEQQRAKRAKSLFGSSQPDNTNEDPHSRRRHVRSVDDLGLLPAF SERK
KSSESLADTRLGRTLQSHDVGRTESFAMSHSTERERLGYERHASDHVVRKIETKTDHHT
NPIWKKLESEHRRNRIRKRLHNI SKNTNNGIQDKSIGDIDIKPTALSPSSVIPLRKTNN
GHRCAEMPKNQERSNVIGGSLFSIDESRSSNDLMKLDAAVVTNGVTSSADLGSSEKTLI
SSMADQGTQLTYAFEEKAGLRLRHRSATERLSETTNEKWTKVLQISNENSSRHDKDGKN
DPIILSGSYSGSSIFESIITIFKNAFNLQIWRKRTTDMMDPFDLASESTFAVVFTSRQAA
VAARHCLADSRGGDRWNTITDLPSPLADAPVSNLSSFVRPVTL SINDRQKMVRHTLTLA
LLGTIYIFYVIPLTQVQKLI SPEYLEKIAPNLELAAYQAEYIFNGFVPMIWTGFYAICP
PLFKI IANFGSNATSAACAEGSAIRYFWWFMI VSAFTGTSLVNSFEEGEHDIRYTVISIA
STIPNTVSAMWLNWIIVRALIVSPTQYILQMNTFIFSWLGVKSLARAIQGGGSGGP I PFR
IYIDSGFVMLCLLALAPASPLVAIAV FVYFLFCVPMRLWVMIFLYKPPQFDVGGARFPFIF
DMCVSGMVAGKMLLGTMLLIRGAAGPAVFAFLPLAPI IFYRWILLKRYLKPFKDMALLQT
SLLDGWDTNEGSCSTSKREEFRQFLVDCHKAAYVPVCIACEKSTVITSEPAVVLVVDTDHD
EDNDDTASVSTECGGDIESAYGSSRKL LYPHYEPHKQPGRLMRRASSRSFLDLAVSGSPN
GWLSTQQNYFHKPSTHQKRVVRNVTSG

>comp12580_c0_seq1; 203 1 1047 LEN=1047; translated
TFEALIPLEVDTLFSFFPFQICVARVNI GLSSLISSVGETFRPDLILHTEDPRNNFNION
LDTSAPNQMLLEGITTKEMSTRKH FVSKILDKIDRSQVYDFISPHPKIYYQYDSIKGYCP
GVVVSFIVNRF SFI SFVKLILPMLVTCISAMNAIQDLKAGKGM DVASHLQVTSALTLTI
VFILPDI VETTNRGKVLTRGNMIVIVFFFGMLLSSIPRSLFSGGQTS DALSKLYATPEVV
GVVLMGCSLIFPLIHSY EYISIRRRIKDMAELEAQTGFFVMEQDTPKWK PQSVSDNILSV
GEILKQGNQHMESESGNNDLGYRNGGKSKERYRRLH LKP THEEPI SG

>comp12580_c0_seq4; 571 1 1684 LEN=1721; translated
QYVTPPHKILTKLLYRTFDHKSDLRPRATTTNEQNNVEKHHQQQEKQDDKRDNLV RPFYT
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DDNKLKVNTLLLQSIRDDESRDNGGLVMVATLVQRVFTPEEMKVDSK GQVDGEDIYFPY
RFNEIPVNVEKIRTRCLKGKKNRK IIGVVSTFQAI IPLQVETILPCFPFQISVGKVSIEL
SSVTFGEGITYR PDLQLHTKEPRHNF CINLEAHVSHSKILDNITSREKMQKQKEKKD
WFKILEKIDKSEN YDFVSPYPQIYYQYDKRKNYCPRFVLSFIVNKYSFACFVRFILPMFL
VTI IATLNAVHDFMEGMDVGGHLQVTSALTLTVVFI LPDIMDSSYQNKILTSGNSIVLVY
FFGMLLSSIPRHSFDGEVSASQLYAIPELIGVVL MGCSLCPFIWHACVYYRITTKIQSQA
DCETQKMAFLKDTSCKNWSPEDSNDICIQT VVSILDEKNLEMYNEKYNEKENEKVKDTEEP
RYRRLHFEPKRKKLDPPVVTW

>comp12580_c0_seq5; 198 339 932 LEN=932; translated
MNAIQDLKAGKGM DVASHLQVTSALTLTIVFI L PDI VETTNRGKVLTRGNMIVIVFFFGM
LLSSIPRSLFSGGQTS DALSKLYATPEVVG VVLMGCSLIFPLIHSY EYISIRRRIKDMAE
LEAQTGFFVMEQDTPKWK PQSVSDNILSVGEILKQGNQHMESESGNNDLGYRNGGKSK
ERYRRLH LKP THEEPI SG

>comp12581_c0_seq1; 315 162 1694 LEN=1803; translated
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RFPSGISIWNGRVLRWYRCDNETEAVSIMEEISCKQKQKLNQKRWLAESDNKISLVGHLM
DLEKASLGDRDSESYHYEGRKHIMDWIVEIVECFDLEDRTIFQAMLLFDRFIASPERVK
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SNEFLNMFLMIADIEKDSRTQYLCFYVSELSLAFDTSYRYPPSLIAASAMVLARYALRDD
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>comp12583_c0_seq1; 803 110 1456 LEN=1842; translated
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FAATFRELSKSASSSTASTKPPTKTAAASTSTSWDASRPLFGAKPPASSPAAPLFGAAA
PAPATGGFSFNTGSKPAASPAAPGGFSFNPTKTGASAAPVPAFSFSTTPTPAVKAAAEAA
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>comp12584_c0_seq1; 358 216 1295 LEN=1447; translated
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DQI IDECWKNPNAGYEVQPTDEWIVNNQQQQQLDSRDRFDILEQEQLDENGEEIATSGKP
STYGEITPLGARQLFGAMGLLDSRRDNHDQRRHPAHFFDLGSGTGKLVGQAVLELPNKTI
KKATGIELSPSRHESAIRAMESLLQLPQSNNDWVNSIEF SHNDSNGFLTEEYFVVRSTNKL
ELLQGD LFDV DLSTATHIYVASLCPDALMVELEERLQILMHKHETQE QACNQNETDEM
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>comp12585_c0_seq1; 107 1 984 LEN=1358; translated
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FWATVIPLLVSTMVQCVNQPIVRASITLQNPESGLPNTMASIQHIYKNHGLGGLWHGTS
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>comp12585_c0_seq2; 190 89 1066 LEN=1440; translated
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>comp12586_c0_seq1; 658 442 1875 LEN=2244; translated
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>comp12586_c0_seq2; 658 1030 2463 LEN=2832; translated
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>comp12586_c0_seq3; 658 1018 2451 LEN=2820; translated
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>comp12587_c0_seq1; 99 1 287 LEN=1313; translated
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>comp12588_c0_seq1; 1838 429 5695 LEN=6144; translated
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SQRQRQTAQEEHDTQAHQLQVLEAKLDKKS AVKFSGGNRRTQGSSSNVWAVKLI VNGKVF
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TSYPKSKI STPSKSSRGSSTSGKTTAPKNSSSPSLSSSVLSSASKKKSNSNKKQKTGA
TSRSRASAPVRSRAASPTLSSRIESSSSDMKKKDKKKKKKRRKKEHSDGTARSNSGGSRA
DGNDRKTRNDKSDGERGGMLSHVLNNNASGLVKAVPAFYFFLNENRNKIDRNLSRKHRY
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SPIRNINGGIKSSDENVETFTARDIPSAAAALPHYPWESLTAPTERADDVVRVFVEEA
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EDEDNEEITVNCGRCRTIIEGDTGCVPCRRQLVINMSRGEQADESEASRMLRIQTNM
LGRVVMRDSEVESQEQGDEAVSNYILRQRWTPFTILPPSTLTSPMLREDGDSVDTNESES
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EEESSTQASNHDL DARPPSKRLRASSRLGALESNGAANFASISKVNDANDRHLLTKKFK
EEATMVNRKCSISISCYGILLALKRRDPLLHFAEPVVAEGYSDI IKKPMDFGKIKKNVLRN
NYATLGAFISDVRLLCDNAIAFNPPDSIYSKTAKELLDVLAVMQKRASEWI STLKDAHAS
TFNNIFNPQTIKNSECEVSKKSF LGGDPFHRLRKEWPEAVELEYEDNEWLQKSVETDFMRT
KENESAYYGLAIRRAAMAAAMSLAPYTDSDGMYNTVGRRTHIEDENLRNFI AKKVAESV
HPPELKELP SWREETIMRVLRSQARMMEGKMGSTHG CARCDGVRVDPE SNKAMNVKTR
WGRTRKPNVPRIHKSRLGLSTGLGSQNTQERIRRHKASDIRKGLRKGSI SALVAAADK
VNEVAVTARGSR IHGMGLFADQALQKGDVVAEYVGEYVSPAVTEKREKGYQKERIQDYQF
RIDSQ LVIDATKQGGHGRYANHNCDPNCATKIIPFKLEDEAVKTT SNGNILKRVVIVALR
DIEPMEELTYDYQFPLEVDLDERIPCNCNSEL CRGFMNWDLPEKGARNQDFRTQKRGANM
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>comp12588_c0_seq2; 154 1 574 LEN=1023; translated
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QLVIDATKQGGHGRYANHNCDPNCATKIIPFKLEDEAVKTT SNGNILKRVVIVALRDIEP
MEELTYDYQFPLEVDLDERIPCNCNSEL CRGFMNWDLPEKGARNQDFRTQKRGANMRDRI
RRLGRPLKGDK

>comp12589_c0_seq2; 385 126 1889 LEN=2030; translated
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FHIPFYSSRMLPNTFALAIVLQSYTYWVERKVESAAALIVFGTAIFRCDLLLLLGTGLS
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WIRFMLPILGFIVLYSFLGHKETFIFPALPILNLGAAVGM SKLAYFAYPPMLKHKGKAY
FVSWIARFGFGCLMCI FLTLAGSLMFVATSTSNYSGDALSALSSHVQSASLSSDESFS
PLYVHIDVAAAMSGVSLFGQRAAQMKTPSF EWKFSKAGYEVTNTVGEQRSSGYEKFTHLI
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>comp12590_c0_seq1; 197 1 1510 LEN=1957; translated
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ERQSQKPAIGFYRYSSIATINLPASDLEDLKT RNAEALYRGGVVSEINEEIVVLTRKGHK
FNPEDGNRTPNQDRVLVSKRDGSFRGRNSGGDDWWIGLFDGHGFHGHAVSQYVSSEFSR
RINKEWEDEKAADPLGAQNKNIETVKDNIRKTFLDINISIPSFISTSGCTGISVLKRGNL
LYISNVGDSVAFVASYNKSKSTPEVKI IYSTRPHKPDTPSERKRIEGSGGRVQDAPFKGA
SARLMIPVKVGSQIFEI GLAMSRSLGDHDGLKVGLSAEPD TDVLDLENFDKNNEFIVVTT
TDGLVDFGKLS EEEVAMTMAEALSTKQTDLMNEQHRKQLRHPPESP GMEAAATQLILKAS
QLW DSEPGGYRDDISIAARKLII

>comp12591_c0_seq1; 374 73 954 LEN=1114; translated
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EKEPLRLFESGILLSYLAEREKKFLPTDPRARTECLNWLFWQMGTAPYLGGGFGHFYKYA
PLKIEYADRFAEAKRIVDVLKQLEQKDYVCGSEYTIADMAIYPWIRCLHTGYKGTFL
LQLETYANVERWMATLAERPVRRLRVNGFGEDAVRERHSPDDFAEPPGEEA
>comp12592_c1_seq1; 410 73 921 LEN=1078; translated
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VCDHFVPLLEDESSGRIVNMGS GSPMYVSGVRNRQDRAMLCSGPEGEATWEELVDHATKN
LNGSDAYGLSKALLACYTGILSRAHPNLTVSCITPGFIDTQMTAGWGASKTPEQGT LAIK
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>comp12593_c0_seq1; 431 137 1198 LEN=1241; translated
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QFLFSQFFGGSDPFGMGMGGRRGGPGMHINFGGHPGMGGSFSGMGMGMPGMGGSGFGSS
SSRREP KRYDAIPVGTNVSLKGLVSKPEKNGDRGEIMQFDPATGRYVYQIEDTGETIAVK
PSNLLQHVVHKIHLGLSRVELNGQKATILAWDEGKERYNVYIANNPTTKCISLRPTNIVL
ENGTVGRITGIQSKPELNGKWTIKSFNASTGRYDVQLSESKFLALKLDNIRL
>comp12594_c0_seq1; 124 289 512 LEN=580; translated
MVFARLFWSPLVFAPAVYLDSSGGVHAASSGAGHPRESFDGETPLRRTLPPVTL DALHPWNP
FWKGASTADSIYPP
>comp12595_c0_seq1; 373 334 2455 LEN=3090; translated
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SSEQPNQTVRVDERSHRLTLIHRFVTRFFARFEWTAKQHEGMFPDMYDDVENVYSASTIS
SGFGAAINCMMPLVNVQDEGWDEF AAYKLTTSGVPSDSPGAGAFTPMTGRRFEAMETIEP
FSELYASYGEGYFDGRPVYDFVFPDRHYEEADTLIQSFIGNVTSWQNE DKTKDQIVNSTN
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RYIPAFELNERVDLRIPTAYEP MEEQFEGVITFCRDY YFPDPDHDFEAYKFNTDEDTE DWA
DYHYTCKVLLRHDDNRYTVEVFERERWLDKFD RYEQHKDTPAYILFDVPRDAMYFRDMVY
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>comp12595_c0_seq2; 373 592 2713 LEN=3348; translated
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SSEQPNQTVRVDERSHRLTLIHRFVTRFFARFEWTAKQHEGMFPDMYDDVENVYSASTIS
SGFGAAINCMMPLVNVQDEGWDEF AAYKLTTSGVPSDSPGAGAFTPMTGRRFEAMETIEP
FSELYASYGEGYFDGRPVYDFVFPDRHYEEADTLIQSFIGNVTSWQNE DKTKDQIVNSTN
FEQELWGFIVELRDIWDKAKTLFALPGDNATTIDDLK NLMDFGGSALQNYNDTVKDLEWM
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RYIPAFELNERVDLRIPTAYEP MEEQFEGVITFCRDY YFPDPDHDFEAYKFNTDEDTE DWA
DYHYTCKVLLRHDDNRYTVEVFERERWLDKFD RYEQHKDTPAYILFDVPRDAMYFRDMVY
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>comp12595_c0_seq3; 416 334 2272 LEN=2907; translated
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GFGAAINCMMPLVNVQDEGWDEF AAYKLTTSGVPSDSPGAGAFTPMTGRRFEAMETIEP
SELYASYGEGYFDGRPVYDFVFPDRHYEEADTLIQSFIGNVTSWQNE DKTKDQIVNSTNF
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PEWFDMPVKDWGSEFHTGLAIDYVAIRDIEK GEEITIDY GIDWEIAWEEHVKNWDRPRR
YIPAFELNERVDLRIPTAYEP MEEQFEGVITFCRDY YFPDPDHDFEAYKFNTDEDTE DWA
YHYTCKVLLRHDDNRYTVEVFERERWLDKFD RYEQHKDTPAYILFDVPRDAMYFRDMVYH
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>comp12595_c0_seq4; 416 334 2272 LEN=2794; translated
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EQELWGFIVELRDIWDKAKTLFALPGDNATTIDDLKKNLMDFGGSALQNYNDTVKDLEWMN
EHGQCMDNIREGVSKI PHAGRGAFASRFIAKGLVAPAPLVHIPNRSSLIIYDHMITEKG
TWQRRVEKPIHHQLLLLNYCFGHEDTLLLLCPYGYLNFLINHNHKNPNTKVVWTDKKRLRH
PEWFDMPVKDWGSEFHTGLAIDYVAIRDIEKGEEITIDYGDWEIAWEEHVKNWDRPRR
YIPAFELNERVDLRIPTAYEPMEEQFEGVITFCRDYFPPDHDFEAYKFNTDEDTEWAD
YHYTCKVLLRHDDNRYTVEVFERERWLDKFDRIEQHKDTPAYILFDVPRDAMYFRDMVYH
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>comp12595_c0_seq5; 373 592 2713 LEN=3235; translated
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SGFGAAINCMMPLVNVQDEGWDEF AAYKLTTSGVPSDSPGAGAFTPMTGRRFEAMETIEP
FSELYASYGEGYFDGRPVYDFVFPDRHYEEADTLIQSFIGNVT SWQNE DKTKDQIVNSTN
FEQELWGFIVELRDIWDKAKTLFALPGDNATTIDDLKKNLMDFGGSALQNYNDTVKDLEWM
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HPEWFDMPVKDWGSEFHTGLAIDYVAIRDIEKGEEITIDYGDWEIAWEEHVKNWDRPRR
RYIPAFELNERVDLRIPTAYEPMEEQFEGVITFCRDYFPPDHDFEAYKFNTDEDTEWAD
DYHYTCKVLLRHDDNRYTVEVFERERWLDKFDRIEQHKDTPAYILFDVPRDAMYFRDMVY
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>comp12595_c0_seq6; 416 592 2530 LEN=3165; translated
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GFGAAINCMMPLVNVQDEGWDEF AAYKLTTSGVPSDSPGAGAFTPMTGRRFEAMETIEPF
SELYASYGEGYFDGRPVYDFVFPDRHYEEADTLIQSFIGNVT SWQNE DKTKDQIVNSTNF
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TWQRRVEKPIHHQLLLLNYCFGHEDTLLLLCPYGYLNFLINHNHKNPNTKVVWTDKKRLRH
PEWFDMPVKDWGSEFHTGLAIDYVAIRDIEKGEEITIDYGDWEIAWEEHVKNWDRPRR
YIPAFELNERVDLRIPTAYEPMEEQFEGVITFCRDYFPPDHDFEAYKFNTDEDTEWAD
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>comp12595_c0_seq7; 373 334 2455 LEN=2977; translated
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SSEQPNQTVRVDERSHRLTLIHRFVTRFFARFEWTAQHEGMFPDMYDDVENVYSASTIS
SGFGAAINCMMPLVNVQDEGWDEF AAYKLTTSGVPSDSPGAGAFTPMTGRRFEAMETIEP
FSELYASYGEGYFDGRPVYDFVFPDRHYEEADTLIQSFIGNVT SWQNE DKTKDQIVNSTN
FEQELWGFIVELRDIWDKAKTLFALPGDNATTIDDLKKNLMDFGGSALQNYNDTVKDLEWM
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HPEWFDMPVKDWGSEFHTGLAIDYVAIRDIEKGEEITIDYGDWEIAWEEHVKNWDRPRR
RYIPAFELNERVDLRIPTAYEPMEEQFEGVITFCRDYFPPDHDFEAYKFNTDEDTEWAD
DYHYTCKVLLRHDDNRYTVEVFERERWLDKFDRIEQHKDTPAYILFDVPRDAMYFRDMVY
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>comp12595_c0_seq8; 416 592 2530 LEN=3052; translated
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GFGAAINCMMPLVNVQDEGWDEF AAYKLTTSGVPSDSPGAGAFTPMTGRRFEAMETIEPF
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>comp12595_c0_seq9; 699 377 3070 LEN=3659; translated
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>comp12599_c0_seq3; 340 1 599 LEN=837; translated
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>comp12600_c0_seq1; 389 200 1609 LEN=1810; translated
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>comp12601_c0_seq1; 1370 1 3345 LEN=3405; translated
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KEFEQADNKRRKAVAKIQK WYQTVTKEIEAAARKAKAKAEQKAREERER IAREKAEAKAK
KALELRLAKEKAEREARLAREKAE EEEERERRERAEAEKRRKREEEAVVKFAKEKEKKIKK
FKKDIKTQEKELDDKEAVWAAEINHLEKRCEEA EKARDDVLEQIAKEEAKLAAMPTLSDG

DKKKLADSAEITGLLRKENKRLRASTTQLRKDYDTMQENNKRLLEANALAGASFEAMNEA
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>comp12607_c0_seq1; 384 1 2126 LEN=2420; translated
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LCSVDTNITIPNTPKTTKGAESRPQKPKSKINGNPMTRGKFVVRKDLRKLKLSYLMNERKT
SEENPSSSFLQSYADDSFFQKSLTKDTEEQAKSLIRRIISYSPDSSTTTTTTSAERQDEK
SNSETCVTNSGTNLNLRFDWDDDFEDKPIHKRIDWVCFKDRSFARDFQNDGLQISQDE
DFQISEDEDFKIPPAKLPKRCETWVIWGVIGMIFTCFVFSFSIYFLIVDETEISDSPLG
EHFGMEKCIIMHDSAGTRLSSRYNATRQHLLFQSIENMSAMDKSGTPQRKALCWISDYDA
YTSVSDDGKKEEILQRYSLAVIYFSSVDTEEKSNTPSSLRYSDFLSADHECDWEAVIC
NPHGKVSSRLFNNSLSGNLPSEIGNLIALNFIDFSFNHLTGTLPEMEKLIHLEHLSLA
FNQLQTSIPTFLGLMTSLTSLNFRSSGLIQQIPSDIGNLSNLESLLLDRNSLSGTIPPEL
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>comp12607_c0_seq3; 362 1 2030 LEN=2545; translated
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VVSKKDTKLGVMNDTPRTKDDYETKNGTNPTNKDAGNVHSHTEKLVGFENKYEPLNFSPL
LCSVDTNITIPNTPKTTKGAESRPQKPKSKINGNPMTRGKFVVRKDLRKLKLSYLMNERKT
SEENPSSSFLQSYADDSFFQKSLTKDTEEQAKSLIRRIISYSPDSSTTTTTTSAERQDEK
SNSETCVTNSGTNLNLRFDWDDDFEDKPIHKRIDWVCFKDRSFARDFQNDGLQISQDE
DFQISEDEDFKIPPAKLPKRCETWVIWGVIGMIFTCFVFSFSIYFLIVDETEISDSPLG
EHFGMEKCIIMHDSAGTRLSSRYNATRQHLLFQSIENMSAMDKSGTPQRKALCWISDYDA
YTSVSDDGKKEEILQRYSLAVIYFSSVDTEEKSNTPSSLRYSDFLSADHECDWEAVIC
NPHGKVSSRLFNNSLSGNLPSEIGNLIALNFIDFSFNHLTGTLPEMEKLIHLEHLSLA
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>comp12608_c0_seq1; 763 100 2595 LEN=2595; translated
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FATIGGTWPYEQVAKTIQECFHGDRVFLIDCCASGNLWRHIPTASGSDGGRDTARNSTV
SKSFHKTKEYALFATSQPIAATADGEWILTNWILQMLRDRPTMNNNGSEQNTDVSLERM
ISILADRNVFETGDLLEYAYLSGRMPSSLGKNRDDSIDEKSLADWSWMPAKSRWSPKPHGI
VMDESDEKTPPSTALPSTPLAWLPSESLALVASDDLCCPIPKAAMLPLYDCRVGDPV
AYKHPGGYPRSVKKQQTLFPFYVPLWLHGRIVSIFETETKREVDATERSDVYFRIRVWY
PSQQESWDVEVPHNSHRLINQFFVQNWMLPRAFCKTQVMAQKYRQYLDCSMATNTPVW
VRATCESSVGGDNVDNIRVGRVIDWKDFNWNKILYFHKYSDSGKLIFFPKTRYDDYYWDE
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SGSNGDEGVFSQRLCEISKAGPHVPEVWNNHQSLSLPLQIIFAGTNRIPIDDLVSE
SAIKLATKNSNYSLTATDGPSENDELHELQMLSLLEALTSKGKAIGDAESFLGKELSA
FWPECEKFFDAEPIDVAFDKDIGASLDLLATHFDYMFPGVYCPYIYEDGVRHLVPLSHI
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EEDDDSIIEGDRKGEDDDDDDD

>comp12608_c0_seq2; 381 304 906 LEN=906; translated
MVDPDQAKYTSWDILLGRDDPLEGIDFSGNAGSHDSDPADSDSDNGSASDTTFTLKELEEF
GNGRNGNPIYLSVFGRVYDVSKGTFYGPDANYNMFAGKDVTRALCLGRKEAEFLVRSTE
GLDEKQIEEGKRWLSFFELHDTYRFVGSLETLDSEAWLDALLEDEDEDDDDDDDDDDYDDERD
EEDDDSIIEGDRKGEDDDDDDD

>comp12608_c0_seq3; 802 100 3075 LEN=3357; translated
MLNSLSPPEEFFVVGHCCEWPEGRAEQGDTAIYTEYLDFGVPADQCMYLDNDCTRK
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FATIGGTWPYEQVAKTIQECFHGDRVFLIDCCASGNLWRHIPTASGSDGGRDTARNSTV
SKSFHKTKEYALFATSQPIAATADGEWILTNWILQMLRDRPTMNNNGSEQNTDVSLERM
ISILADRNVFETGDLLEYAYLSGRMPSSLGKNRDDSIDEKSLADWSWMPAKSRWSPKPHGI
VMDESDEKTPPSTALPSTPLAWLPSESLALVASDDLCCPIPKAAMLPLYDCRVGDPV
AYKHPGGYPRSVKKQQTLFPFYVPLWLHGRIVSIFETETKREVDATERSDVYFRIRVWY
PSQQESWDVEVPHNSHRLINQFFVQNWMLPRAFCKTQVMAQKYRQYLDCSMATNTPVW
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SGSNGDEGVFSQRLCEISKSA GPHVPEWVNDNHQSSLVPLQQIIFAGTNRIPIDDLVSE
SAIKLATKNSNYSLTATDGP SNENDELHELQMLSLLEALTSSGKAIGDAESFLGTKELSA
FWPECEKFFDAEPIDVAFDKDIIGASLDLLATHFDYMFPGVYCP I IYEDGVRHLVPLSHI
YRRGCQPQLHGDEDEDEDEKSPVDMEDGSSSTKETSTVLVPTKDAMDETKRKL RDVVVEVS
SFGEQFSEVASKLEDASGSLRVLIDQSSERQAPDRPLATATAAAPDMAADASQNVPRELS
AASRSYVDEYWGDLPEHVRRALRVGYTGELWSDSGSIPLDSVQWNDLSGDQREALVTIG
YNEAKWNAEDDSESEEDDDSCSSSSCSSEY

>comp12608_c0_seq4; 737 254 3164 LEN=3446; translated
MARGPAEQGDTAIYTEYLD FGV PADQCMY LKNDCTRKN CQDQLDI FLRKH RPPGGA EEPK
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GDRVLF LIDCCASGNLWRHIPTASGSDGGRDTARNSTVSKSFHKTKEYALFATSQPYIAA
TADGEEWIL TNSWIQLMRDRPTMNGSEQNTDVSLERMISILADRNVFETGDLLYAYLSG
RMPSSLGKNRDDS IDEKSLADWSWMPAKSRWSPKPHGIVMDES DKEKTPPSTALPSTPLA
WLPSSSESLALVASDDLCCPIPK EAAMPLPLYDCRVGDPVAYKH PGGYPRSVK KQQQTLPFY
VPPLWLHGRI VSI FETETKREVDATERSDVYFRIRVWYPSQQESWDVEVPHNSHRLINQF
FVVQNWMLPRAFCKTQVVM AQYRQYLDCSMATNTPVWVRATCESSVGGDNVDNIRVGRV
IDWKDFNWKNI LYFHKYSDSGKLI FPGKTRYDDYYWDELPLSIKAAALALGYTKTHWDED
IEIPADGMDWGELSEAQKGAAGVLGYVRQKPVAGGGSLSGSNGDEGVFSQRLCEISKSA
GPHVPEWVNDNHQSSLVPLQQIIFAGTNRIPIDDLVSESAIKLATKNSNYSLTATDGP SN
ENDELHELQMLSLLEALTSSGKAIGDAESFLGTKELSAFWPECEKFFDAEPIDVAFDKDI
IGASLDLLATHFDYMFPGVYCP I IYEDGVRHLVPLSHIYRRGCQPQLHGDEDEDEDEKSP
VDMEDGSSSTKETSTVLVPTKDAMDETKRKL RDVVVEVSSSFGEQFSEVASKLEDASGSLRV
LIDQSSERQAPDRPLATATAAAPDMAADASQNVPRELSAASRSYVDEYWGDLPEHVRRAA
LRVGYTGELWSDSGSIPLDSVQWNDLSGDQREALVTIGYNEAKWNAEDDSESEEDDDSCS
SSSCSSEY

>comp12608_c0_seq5; 698 254 2684 LEN=2684; translated
MARGPAEQGDTAIYTEYLD FGV PADQCMY LKNDCTRKN CQDQLDI FLRKH RPPGGA EEPK
DHLRNSKGDGRDRD VETERQKAPDTLV FYYGGHGS AHGFATIGGTWPYE QVAKTIQECFH
GDRVLF LIDCCASGNLWRHIPTASGSDGGRDTARNSTVSKSFHKTKEYALFATSQPYIAA
TADGEEWIL TNSWIQLMRDRPTMNGSEQNTDVSLERMISILADRNVFETGDLLYAYLSG
RMPSSLGKNRDDS IDEKSLADWSWMPAKSRWSPKPHGIVMDES DKEKTPPSTALPSTPLA
WLPSSSESLALVASDDLCCPIPK EAAMPLPLYDCRVGDPVAYKH PGGYPRSVK KQQQTLPFY
VPPLWLHGRI VSI FETETKREVDATERSDVYFRIRVWYPSQQESWDVEVPHNSHRLINQF
FVVQNWMLPRAFCKTQVVM AQYRQYLDCSMATNTPVWVRATCESSVGGDNVDNIRVGRV
IDWKDFNWKNI LYFHKYSDSGKLI FPGKTRYDDYYWDELPLSIKAAALALGYTKTHWDED
IEIPADGMDWGELSEAQKGAAGVLGYVRQKPVAGGGSLSGSNGDEGVFSQRLCEISKSA
GPHVPEWVNDNHQSSLVPLQQIIFAGTNRIPIDDLVSESAIKLATKNSNYSLTATDGP SN
ENDELHELQMLSLLEALTSSGKAIGDAESFLGTKELSAFWPECEKFFDAEPIDVAFDKDI
IGASLDLLATHFDYMFPGVYCP I IYEDGVRHLVPLSHIYRRGCQPQLHGDEDEDEDEDDDD
DDYDDERDGEEDDSDIEGDRKGEDDDDDDD

>comp12609_c0_seq1; 748 1 1981 LEN=2116; translated
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GPSTNRRRFHPPQHGYGSSGHGHGYGHGPPPSHDGLDELRLKLYRIPRGFPRAPTAEKA
KSKSHVALLVICIDDLPFEEIWKGWMETLSSSLDESVDFFVSVLCHAKFPKKTSEWMR
QRLLTFGPKQGRGNSFMDPVYLTREPEWGSVEITRAMLDLLQNLKIGNDAVPKCEDKRF
CPSRFLARSPPSFDGSSIPPVDQFLYVSESCMPVVTAP EFFKKISDSTVSWVNARHRTTE
DTPKNKYEDDQFAGINRRIPGQYRWKGDQWVLLSRKHASSIIGMDRPFKPAKHQLWQSF
HINASDEMFPTALALLGELRYTKDGNDTQKGRRLRDEESSSTQTGEGGLSAASSPKNAV
QTQSHSEANPSAESSPPMKNQQIVLTPVFTFDWTEGMKNPALFSKGATDLKRVGKLARDR
GCLVARKFATHVSIPIPLEEQKITGVISLEEWATVIKEIQSCEKESASEQEDKPAVVAP
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>comp12611_c0_seq1; 254 2147 3421 LEN=3809; translated
MILAPLTRGGNLPFRRLCADFGMHTSVSEMIYARSLLRGDP IENARLRRSEGESIFGVQI
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SEIPVTVKIRLGCETNSINCLENVRAAREAGAAAITIHGRTAQQGYSKNADWDLIRRAVM
ETKDDGYGHIPIIGNGDILTYEARRRMEETGVDSVMVGRGALCKPWI FKEFNDNATWAP
DTKERVQIYRVLANYMKDHF GDDMGRKKS WNFLPW HFEFLSRYTPYPEEDFAAQSIDRP
LIQNRMVL PDHTDPLDVL LANRCS DAHEVIASILWSDSD ETAVQKLNIFAESQDFKRIL
TTGSVNEGEDKVL SNL PKGKAGK WGKRRGRKPGPKRTEEEIAQIRAERA AKKERILAEGG

TWPP

>comp12612_c0_seq1; 446 307 2143 LEN=2143; translated
MFSATSSSTRSVVVISKKAASFGVARRGTKGILERFPFAWPPVFASTLPQAATSFGVRRF
HFGAKGSLPSSVSRLLDLAELSRGGSQEHFGQQRKKGSAQPTGDGQNTSSSDGEQHGLN
PFSSLLRTHSRVSKAVRQGAGAVFSLAGFIGSSVVTLTTDRRSFRDRFVEPVRALKNYLK
TSGVDNELAKSYNRRLGVNLCCLARVHMHQGAEEERLLRRVHLYRGAAEQTEKTKKHRL
LGASSFISSEFSSSLSPPPCSKIKRSLLEEARRYMKYATAVYQAMINAAQVDAGGRLDG
KVGRVTKETISAHIQVPEDDIVLLDVSNLKSSNHLRHMVVVDHEHEKVVLSIRGTFSL
EIIIMDVAAFSREFCGGEAHSEMANMAERVWTVAGPKIKEVLSENPGYEFILTGHS
LGGAGA ACLLSILVQNKFLPREQGIRCFASFASPPVYTPLEFVPKTVRSTTNFVHENDV
VPPFLSIQ KVRKLLSSLQAVDQYARDHMSGKQITSLILGASPPPKDLIASVLEAEGS
RSLVPKKGAPTL YIPAEVLLKENLDEKGEHSDGSYRYELTNARELSQREIRVYPDMFV
DHFPSRYEHVFD HLEKRDDDDDDDX

>comp12613_c0_seq1; 539 1 1995 LEN=2056; translated
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LGRGGSGSNSNSNNITDISKKATARASRSSYTANLSRDDFLIFELQSLPRQDKNDNNT
LINDSSDYSIVYHHWTLRQLYRHVVSSIRIRSTDPVPHSLKSSTVATPNATTTSGASTH
DNDVHTDVPNRKSSSTHNRTASTQRRQHSTPAVSRNNHRRQTSHDHPHSHSHQYHHGSQ
PHAPIPPPKLLGSNLHPRDMRRLVTPFSASNEPELIVRRHVMVFNCPLRAIITRDRLLV
LVPMGADSVLKKLEERIVGNRFYDDYDEEPEETRDLEALESKSESAEKTTTETS
GIVFE SDLDSNDENDVESGFCEDNSAKKNEVYDENAIHDHDIPTVASDDWSDMIRM
EMDQKDLT FELLCVNACLSTVFEMLADDTAELQEKGLKYVQNRIGNRNGSNGKLLR
PEDSLAVIRNL KNAVQVMQARVKGFVQSIDRILNEDEDMALMNVSRVLTNPENFVQ
PVSSEMLEIESDEPE LVLESNLNNALTLSNALDLIQGQVESASDLIDARMDAARNK
FLLASLLMSIASLSLTVLTCVSGIFGMNLSGLEETPNLFLPVTYGGIIGSLLLGV
AIFAGMIVTGVIITGLGPVDQDGI DSLF

>comp12613_c0_seq2; 471 1 2102 LEN=2163; translated
KTIGKQSKNRVKKLLLLTSYDTTRQWNNTDTSKIEIATDMSGQTLSELANLSNSKSYV
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LINDSSDYSIVYHHWTLRQLYRHVVSSIRIRSTDPVPHSLKSSTVATPNATTTSGASTH
DNDVHTDVPNRKSSSTHNRTASTQRRQHSTPAVSRNNHRRQTSHDHPHSHSHQYHHGSQ
PHAPIPPPKLLGSNLHPRDMRRLVTPFSASNEPELIVRRHVMVFNCPLRAIITRDRLLV
LVPMGADSVLKKLEERIVGNRFYDDYDEEPEETRDLEALESKSESAEKTTTETS
GIVFE SDLDSNDENDVESGFCEDNSAKKNEVYDENAIHDHDIPTVASDDWSDMIRM
EMDQKDLT FELLCVNACLSTVFEMLADDTAELQEKGLKYVQNRIGNRNGSNGKLLR
PEDSLAVIRNL KNAVQVMQARVKGFVQSIDRILNEDEDMALMNVSRVLTNPENFVQ
PVSSEMLEIESDEPE LVLESNLNNALTLSNALDLIQGQVESGGAYVVNFALCLLAH
VFQCFRDFVIDFSFSSFLT NPKRFNRCENGCCAKQVLASEFTYVYRITKFD
SLDVVSGIFGMNLSGLEETPNLFLPVT YGGIIGSLLLGV
AIFAGMIVTGVIITGLGPVDQDGI DSLF

>comp12614_c0_seq1; 496 1 1258 LEN=1435; translated
XDTGEFCVEAGALMLADNGICCIDFDMKDERDQVAIHEAMEQQTISITKAGIQATLNAR
ASILAAANPIYGRYDRTKTLKANVTLSAPILSRFDLFFVVLDDCNPETDRQVAKHILKVH
RGEDHDDPAKKAPFTMDQMRRIKFARTLHPKITPESQRMVECYRKLKQGD
SLGRSRSAYRITVRQLESMVRLSEALARLHCCDEITPAFVREAYRLLKTSIIQVET
RDIEVDDDDDDY GDYGGGDVLEEQDGDGDESDNNGGPPDSQMPDSQGLETTQ
QHVVYRPGYVGEERHPAEPAA ASDEGAGDTAPGMDATGVSPPEPKAETD
DSGAKAGKKKKKKKKKKSKKAFGGVESSEPTAA VAEPPAEPEWKL
FESMDLAISAGWAPGQSFSFIATNVKGQKVVPPDDKAEQAFPLGARR

>comp12615_c2_seq1; 255 189 1316 LEN=1405; translated
MESESLSKTPAADAAYAYIRKFND
SAALCIEIEEYDRAISSLTKALRIARSVIEKKQQLR TDQSSKDN
GSGCGRHCSLDGCIRFSEDRRH
IHPLQNKKNGEREDAFADNRNEASIRQ RFLLRHRRRQGRGEPLV
GSSSNTGYSSNAGDDPSFYSWNR
TSAFSGTSVSRGMSLR AFSTRRTS
AMDYVSDVTTRESRRRGNTNAFMVYQ
KLIRVPAPSVHRDCAIGSLAITTVSL
VTFLNLALVYHLKAIHAAGT
TNHSTLPAINKALQLYDVTYNALEKYR
LEEKHQHESCLRF RATLCNNLSHVHML
LAGDHESHVACLRELLSTIMTLTDY
NARKSTDDTSGECSQSLEGLA
NAAPLISSAQCANAA

>comp12616_c0_seq1; 474 62 1286 LEN=1364; translated
MDDERFDGLYLNVAQTTRGIEPLLDVFSFLRRTDFFSGPPGAEDGAAAAIAKVHEVLQ
KHADRYKKDRELAAAKKAKAKQKQQAASKPKPKPKSPPKAPAEPETTTTTNNDD
EIIEM SNDGGFDASTTVKAKKPVVTALPSKSGPPGASTTEEPKQTQTQTQTRAQT
ETQTPTTPPP QSGASPCETDGDAAEGPPPEGNGGTVPKGYVWTQTLSEVMVGV
PVPEHTRGRDVKVAITP

FARMDGHTVGIVGNNPLTLAGCLDINASNKAARFVRFCSFNIPIVTFVDVPGFLPGTEQ
EFGGIIRHGAKLLFAYAEASVPKVTVITRKAYGGAYDVMASKHLRVDSNYAWPGTEIAVM
GAKGAVNVLYRGNENVEEHIAEYTSKFANPMTAAQRGFVDDVIDPRDTRRILCNDLRLLR
TKSMPEIKKKHSNIPL

>comp12620_c0_seq3; 502 293 2061 LEN=2108; translated
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KSLMGGGQDRIDRQHSRGLTARERLELLFDEGSFQELDAFKTHRCKEFGMDDNKTQFPG
DGVITGHGRVNGRYVYAFSQDFTVFGGSLSETNAEKIVKIMEMARRVGAPIVGLNDSGGA
RIQEGVDSLAGEYADVFLSNVDSSGVVPQISVVMGPCAGGAVYSPAMTDFIFMVESSSYXV
RIKDNDFALVQIYYSWDFLLPQXTYLVFYFSYRFVTPDVKTVTNEDVTKEDLGGSKVHV
SKSGVAHGKFENDVAAMKGMRRFLDFLPSSNDKATLPIKESTDPPDRLVPEIENLVPDDP
NTPYDMKDVIHQIVDHGDIIFEIMPEMAQNIIVVGFARMDGHTVGIVGNNPLTLAGCLDINA
SNKAARFVRFCSFNIPIVTFVDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVITR
KAYGGAYDVMASKHLRVDSNYAWPGTEIAVMGAKGAVNVLYRGNENVEEHIAEYTSKF
ANPMTAAQRGFVDDVIDPRDTRRILCNDLRLLRTKSMPEIKKKHSNIPL

>comp12620_c0_seq4; 286 490 1408 LEN=1687; translated
MILLWYKSITLGTFFYHSYFLVYFYFSYRFVTPDVKTVTNEDVTKEDLGGSKVHVSKSG
VAHGKFENDVAAMKGMRRFLDFLPSSNDKATLPIKESTDPPDRLVPEIENLVPDDPNTPY
DMKDVIHQIVDHGDIIFEIMPEMAQNIIVVGFARMDGHTVGIVGNNPLTLAGCLDINASNKA
ARFVRFCSFNIPIVTFVDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVITRKA
YGGAYDVMASKHLRVDSNYAWPGTEIAVMGAKGAVNVLYRGNVSSPRRRDSWEEKAVNLL
SDMPL

>comp12620_c0_seq5; 405 293 2060 LEN=2339; translated
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KSLMGGGQDRIDRQHSRGLTARERLELLFDEGSFQELDAFKTHRCKEFGMDDNKTQFPG
DGVITGHGRVNGRYVYAFSQDFTVFGGSLSETNAEKIVKIMEMARRVGAPIVGLNDSGGA
RIQEGVDSLAGEYADVFLSNVDSSGVVPQISVVMGPCAGGAVYSPAMTDFIFMENPPRKF
DARFQSAARYPAYALEVGISFYEFSAVFFLSLSPPGTVRIKDNDFALVQIYYSWDFLLPQ
XTYLVFYFSYRFVTPDVKTVTNEDVTKEDLGGSKVHVSKSGVAHGKFENDVAAMKGM
RFLDFLPSSNDKATLPIKESTDPPDRLVPEIENLVPDDPNTPYDMKDVIHQIVDHGDIIFE
IMPEMAQNIIVVGFARMDGHTVGIVGNNPLTLAGCLDINASNKAARFVRFCSFNIPIVTF
VDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVITRKAYGGAYDVMASKHLRVDS
NYAWPGTEIAVMGAKGAVNVLYRGNVSSPRRRDSWEEKAVNLLSDMPL

>comp12620_c0_seq6; 520 122 1312 LEN=1359; translated
MEMARRVGAPIVGLNDSGGARIQEGVDSLAGEYADVFLSNVDSSGVVPQISVVMGPCAGGA
VYSPAMTDFIFMVESSSYMFVTPDVKTVTNEDVTKEDLGGSKVHVSKSGVAHGKFEND
VAAMKGMRRFLDFLPSSNDKATLPIKESTDPPDRLVPEIENLVPDDPNTPYDMKDVIHQI
VDHGDIIFEIMPEMAQNIIVVGFARMDGHTVGIVGNNPLTLAGCLDINASNKAARFVRFCS
FNIPIVTFVDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVITRKAYGGAYDMA
SKHLRVDSNYAWPGTEIAVMGAKGAVNVLYRGNENVEEHIAEYTSKFANPMTAAQRGFV
DVIDPRDTRRILCNDLRLLRTKSMPEIKKKHSNIPL

>comp12620_c0_seq7; 206 622 939 LEN=1824; minus strand; translated
MKMKSVMAGLYTAPPAQGPMTTDCGTTPEDESTFDKKTSAYPANESTPSWMRAPPESFSP
TMGAPTRLAISIIITIFSAFVSLRPPKTVKSASRRLPGNIMQVS

>comp12620_c0_seq8; 355 122 1289 LEN=1568; translated
MEMARRVGAPIVGLNDSGGARIQEGVDSLAGEYADVFLSNVDSSGVVPQISVVMGPCAGGA
VYSPAMTDFIFMVESSSYXVRIKDNDFALVQIYYSWDFLLPQXTYLVFYFSYRFVTPDVK
KTVTNEDVTKEDLGGSKVHVSKSGVAHGKFENDVAAMKGMRRFLDFLPSSNDKATLPIKE
STDPPDRLVPEIENLVPDDPNTPYDMKDVIHQIVDHGDIIFEIMPEMAQNIIVVGFARMDGH
TVGIVGNNPLTLAGCLDINASNKAARFVRFCSFNIPIVTFVDVPGFLPGTEQEFGGIIR
HGAKLLFAYAEASVPKVTVITRKAYGGAYDVMASKHLRVDSNYAWPGTEIAVMGAKGAVN
VLYRGNVSSPRRRDSWEEKAVNLLSDMPL

>comp12620_c0_seq9; 451 899 2276 LEN=2323; translated
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QIYYSWDFLLPQXTYLVFYFSYRFVTPDVKTVTNEDVTKEDLGGSKVHVSKSGVAHGKF
ENDVAAMKGMRRFLDFLPSSNDKATLPIKESTDPPDRLVPEIENLVPDDPNTPYDMKDVI
RQIVDHGDIIFEIMPEMAQNIIVVGFARMDGHTVGIVGNNPLTLAGCLDINASNKAARFVRF
CSFNIPIVTFVDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVITRKAYGGAYD
VMASKHLRVDSNYAWPGTEIAVMGAKGAVNVLYRGNENVEEHIAEYTSKFANPMTAAQRG

FVDDVIDPRDTRRILCNDLRLRLTKSMPEIKKKHSNIPL
>comp12620_c0_seq10; 470 899 2059 LEN=2338; translated
MILPGNLLDADFTVFGGSLSETNAEKIVKIMEMARRVGAPIVGLNDSGGARIQEGVDSL
GYADVFLSNVDSSGVVPQISVVMGPCAGGAVYSPAMTDFIFMVESSSYMFVTGPDVVKTV
TNEDVTKEDLGGSKVHVSKSGVAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKESTD
PPDRLVPEIENLVPDDPNTPYDMKDVIHQIVDHGDI FEIMPEMAQNIIVVGFARMDGHTVG
IVGNNPLTLAGCLDINASNKAARFVRFCSFNIPIVTFVDVPGFLPGTEQEFGGIIRHGA
KLLFAYAEASVPKVTVIITRKAYGGAYDVMASKHLRVDSNYAWPGTEIAVMGAKGAVNVLY
RGNVSSPRRRDSWEEKAVNLLSDMPL
>comp12620_c0_seq11; 344 293 1458 LEN=1490; translated
MLYLLASERILVGVEKDVHEYIIFPVTFVFFGDDSRSPLEQDPSVLKARFKERLREERR
KSLMGGGQDRIDRQHSRGLTARERLELLFDEGSFQELDAFKTHRCKEFGMDDNKTQFP
DGVITGHGRVNGRYVYAFSQDFTVFGGSLSETNAEKIVKIMEMARRVGAPIVGLNDSGGA
RIQEGVDSLALGYADVFLSNVDSSGVVPQISVVMGPCAGGAVYSPAMTDFIFMVESSSYXV
RIKNDFALVQIYYSWDFLLPQXTYLVFYFSYRFVTGPDVVKTVTNEDVTKEDLGGSKVHV
SKSGVAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDDP
NTPYDMKVRDTPVPLFATKEKYADPIDSF
>comp12620_c0_seq12; 293 899 1673 LEN=1705; translated
MILPGNLLDADFTVFGGSLSETNAEKIVKIMEMARRVGAPIVGLNDSGGARIQEGVDSL
GYADVFLSNVDSSGVVPQISVVMGPCAGGAVYSPAMTDFIFMVESSSYXVRIKNDFALVQ
IYYSWDFLLPQXTYLVFYFSYRFVTGPDVVKTVTNEDVTKEDLGGSKVHVSKSGVAHGKF
ENDVAAMKGMRRFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDDPNTPYDMKVRD
TVPLFATKEKYADPIDSF
>comp12620_c0_seq13; 201 490 925 LEN=957; translated
MILLWYKSITLGTFFYHSYFLVYFYSYRFVTGPDVVKTVTNEDVTKEDLGGSKVHVSKSG
VAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDDPNTPY
DMKVRDTPVPLFATKEKYADPIDSF
>comp12620_c0_seq14; 436 293 1361 LEN=1393; translated
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KSLMGGGQDRIDRQHSRGLTARERLELLFDEGSFQELDAFKTHRCKEFGMDDNKTQFP
DGVITGHGRVNGRYVYAFSQDFTVFGGSLSETNAEKIVKIMEMARRVGAPIVGLNDSGGA
RIQEGVDSLALGYADVFLSNVDSSGVVPQISVVMGPCAGGAVYSPAMTDFIFMVESSSYMF
VTGPDVVKTVTNEDVTKEDLGGSKVHVSKSGVAHGKFENDVAAMKGMRRFLDFLPSNDK
ATLPIKESTDPPDRLVPEIENLVPDDPNTPYDMKVRDTPVPLFATKEKYADPIDSF
>comp12620_c0_seq15; 378 899 2156 LEN=2435; translated
MILPGNLLDADFTVFGGSLSETNAEKIVKIMEMARRVGAPIVGLNDSGGARIQEGVDSL
GYADVFLSNVDSSGVVPQISVVMGPCAGGAVYSPAMTDFIFMVESSSYXVRIKNDFALVQ
IYYSWDFLLPQXTYLVFYFSYRFVTGPDVVKTVTNEDVTKEDLGGSKVHVSKSGVAHGKF
ENDVAAMKGMRRFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDDPNTPYDMKDVI
RQIVDHGDI FEIMPEMAQNIIVVGFARMDGHTVGIVGNNPLTLAGCLDINASNKAARFVRF
CNSFNIPIVTFVDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVIITRKAYGGAYD
VMASKHLRVDSNYAWPGTEIAVMGAKGAVNVLYRGNVSSPRRRDSWEEKAVNLLSDMPL
>comp12620_c0_seq16; 270 122 806 LEN=838; translated
MEMARRVGAPIVGLNDSGGARIQEGVDSLALGYADVFLSNVDSSGVVPQISVVMGPCAGGA
VYSPAMTDFIFMVESSSYXVRIKNDFALVQIYYSWDFLLPQXTYLVFYFSYRFVTGPDV
KTVTNEDVTKEDLGGSKVHVSKSGVAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKE
STDPPDRLVPEIENLVPDDPNTPYDMKVRDTPVPLFATKEKYADPIDSF
>comp12620_c0_seq17; 428 122 1409 LEN=1456; translated
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VYSPAMTDFIFMVESSSYXVRIKNDFALVQIYYSWDFLLPQXTYLVFYFSYRFVTGPDV
KTVTNEDVTKEDLGGSKVHVSKSGVAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKE
STDPPDRLVPEIENLVPDDPNTPYDMKDVIHQIVDHGDI FEIMPEMAQNIIVVGFARMDG
HTVGIVGNNPLTLAGCLDINASNKAARFVRFCSFNIPIVTFVDVPGFLPGTEQEFGGIIR
HGAKLLFAYAEASVPKVTVIITRKAYGGAYDVMASKHLRVDSNYAWPGTEIAVMGAKGAVN
VLYRGNENVEEHIAEYTSKFANPMTAAQRGFVDDVIDPRDTRRILCNDLRLRLTKSMPEI
KKKHSNIPL
>comp12620_c0_seq18; 447 122 1192 LEN=1471; translated
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VYSPAMTDFIFMVESSSYMFVTGPDVVKTVTNEDVTKEDLGGSKVHVSKSGVAHGKFEND
VAAMKGMRRFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDDPNTPYDMKDVIHQI

VDHGDIFEIMPEMAQNIIVVGFARMDGHTVGVGNPLTLAGCLDINASNKAARFVRFNCNS
FNIPIVTFVDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVITRKAYGGAYDVMA
SKHLRVDSDNYAWPGTEIAVMGAKGAVNVLYRGNVSSPRRRDSWEEKAVNLLSDMPL
>comp12620_c0_seq19; 359 490 1528 LEN=1575; translated
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VAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDDPNT
DMKDVIRQIVDHGDIFEIMPEMAQNIIVVGFARMDGHTVGVGNPLTLAGCLDINASNKA
ARFVRFNCNSFNIPIVTFVDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVITRKA
YGGAYDVMASKHLRVDSDNYAWPGTEIAVMGAKGAVNVLYRGNENVEEHIAEYTSKFANPM
TAAQRGFVDDVIDPRDTRRILCNDLRLLRKSMPEIKKKHSNIPL
>comp12620_c0_seq20; 362 122 709 LEN=741; translated
MEMARRVGAPIVGLNDSGGARIQEGVDSLADVFLSNVDSSGVVPQISVVMGPCAGGA
VYSPAMTDFIFMVESSSYMFVTGPDVVKTVTNEDVTKEDLGGSKVHVS
VAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDDPNT
PYDMKVRDTPVLFATKEKYADPIDSF
>comp12620_c0_seq21; 543 899 2179 LEN=2226; translated
MILPGNLLDADFTVFGGSLSETNAEKIVKIMEMARRVGAPIVGLNDSGGARIQEGVDSL
ADVFLSNVDSSGVVPQISVVMGPCAGGAVYSPAMTDFIFMVESSSYMFVTGPDVVKTV
TNEDVTKEDLGGSKVHVS
VAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDDPNT
PYDMKDVIRQIVDHGDIFEIMPEMAQNIIVVGFARMDGHTVGVGNPLTLAGCLDINASNKA
ARFVRFNCNSFNIPIVTFVDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVITRKA
YGGAYDVMASKHLRVDSDNYAWPGTEIAVMGAKGAVNVLYRGNENVEEHIAEYTSKFANPM
TAAQRGFVDDVIDPRDTRRILCNDLRLLRKSMPEIKKKHSNIPL
>comp12620_c0_seq22; 429 293 1941 LEN=2220; translated
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KSLMGGGQDRIDRQHSRGLTARERLELLFDEGSFQELDAFKTHRCKEFGMDDNKTQFP
DGVITGHGRVNGRYVYAFSQDFTVFGGSLSETNAEKIVKIMEMARRVGAPIVGLNDSGGA
RIQEGVDSLADVFLSNVDSSGVVPQISVVMGPCAGGAVYSPAMTDFIFMVESSSYXV
RIKNDFALVQIYYSWDFLLPQXTYLVFYFSYRFVTGPDVVKTVTNEDVTKEDLGGSKVH
VSKSGVAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDD
PNTPYDMKDVIRQIVDHGDIFEIMPEMAQNIIVVGFARMDGHTVGVGNPLTLAGCLDINA
SNKAARFVRFNCNSFNIPIVTFVDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTV
ITRKAYGGAYDVMASKHLRVDSDNYAWPGTEIAVMGAKGAVNVLYRGNVSSPRRRDSWEEKA
VNLLSDMPL
>comp12620_c0_seq23; 286 1357 2275 LEN=2554; translated
MILLWYKSITLGTFFYHSYFLVVFYFSYRFVTGPDVVKTVTNEDVTKEDLGGSKVHVS
VAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDDPNT
PYDMKDVIRQIVDHGDIFEIMPEMAQNIIVVGFARMDGHTVGVGNPLTLAGCLDINASNKA
ARFVRFNCNSFNIPIVTFVDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVITRKA
YGGAYDVMASKHLRVDSDNYAWPGTEIAVMGAKGAVNVLYRGNVSSPRRRDSWEEKAVNLL
SDMPL
>comp12620_c0_seq24; 521 293 1844 LEN=2123; translated
MLYLLASERILVGVEKDVHEYIIFPVTFFVFGDDSRSPLEQDPSVLKARFKERLREERR
KSLMGGGQDRIDRQHSRGLTARERLELLFDEGSFQELDAFKTHRCKEFGMDDNKTQFP
DGVITGHGRVNGRYVYAFSQDFTVFGGSLSETNAEKIVKIMEMARRVGAPIVGLNDSGGA
RIQEGVDSLADVFLSNVDSSGVVPQISVVMGPCAGGAVYSPAMTDFIFMVESSSYMF
VTGPDVVKTVTNEDVTKEDLGGSKVHVS
VAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDDPNT
PYDMKDVIRQIVDHGDIFEIMPEMAQNIIVVGFARMDGHTVGVGNPLTLAGCLDINASNKA
ARFVRFNCNSFNIPIVTFVDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVITRKA
YGGAYDVMASKHLRVDSDNYAWPGTEIAVMGAKGAVNVLYRGNENVEEHIAEYTSKFANPM
TAAQRGFVDDVIDPRDTRRILCNDLRLLRKSMPEIKKKHSNIPL
>comp12620_c0_seq25; 359 1357 2395 LEN=2442; translated
MILLWYKSITLGTFFYHSYFLVVFYFSYRFVTGPDVVKTVTNEDVTKEDLGGSKVHVS
VAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDDPNT
PYDMKDVIRQIVDHGDIFEIMPEMAQNIIVVGFARMDGHTVGVGNPLTLAGCLDINASNKA
ARFVRFNCNSFNIPIVTFVDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVITRKA
YGGAYDVMASKHLRVDSDNYAWPGTEIAVMGAKGAVNVLYRGNENVEEHIAEYTSKFANPM
TAAQRGFVDDVIDPRDTRRILCNDLRLLRKSMPEIKKKHSNIPL
>comp12620_c0_seq26; 385 899 1576 LEN=1608; translated

MILPGNLLDADFTVFGGSLSETNAEKIVKIMEMARRVGAPIVGLNDSGGARIQEGVDSL
GYADVFLSNVDSSGVVPQISVVMGPCAGGAVYSPAMTDFIFMVESSSYMFVTGPDVVKTV
TNEDVTKEDLGGSKVHVSKSGVAHGKFENDVAAMKGMRRFLDFLPSNDKATLPIKESTD
PPDRLVPEIENLVPDDPNTPYDMKVRDTPVPLFATKEKYADPIDSF
>comp12620_c0_seq27; 478 293 2180 LEN=2227; translated
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KSLMGGGQDRIDRQHSRGLTARERLELLFDEGSFQELDAFKTHRCKEFGMDDNKTQFPG
DGVITGHGRVNGRYVYAFSQDFTVFGGSLSETNAEKIVKIMEMARRVGAPIVGLNDSGGA
RIQEGVDSLGYADVFLSNVDSSGVVPQISVVMGPCAGGAVYSPAMTDFIFMENPPRKFR
DARFQSAARYPAYALEVGISFYEFTSAVFFLSLSPPGTVRIKDNFALVQIYYSWDFLLPQ
XTYLVFYFSYRFVTGPDVVKTVTNEDVTKEDLGGSKVHVSKSGVAHGKFENDVAAMKGM
RFLDFLPSNDKATLPIKESTDPPDRLVPEIENLVPDDPNTPYDMKDVIRQIVDHGDIFE
IMPEMAQNIIVVGFARMDGHTVGI VGNPLTLAGCLDINASNKAARFVRFNSFNIPVTF
VDVPGFLPGTEQEFGGIIRHGAKLLFAYAEASVPKVTVITRKAYGGAYDVMASKHLRVS
NYAWPGTEIAVMGAKGAVNVLYRGNENVEEHIAEYTSKFANPMTAAQRGFVDDVIDPRDT
RRILCNDLRLLRTKSMPEIKKKHSNIPL
>comp12621_c0_seq1; 434 183 2234 LEN=2422; translated
MIAARHDSVVFMMELFVLVALLLPVGGFIDMDTPLDKRTTISQVDKTVYHLMVSDEF
NTPNRSFTDGHDSVWTALDKPDDSSAGGGSQQFYNSSSVTTDDGYLKIISTTIGNTEWR
RYDPVKKEYKDEKAYFKSGMLQSWEKFCFTGGILEVDIILPGDPFIAGLWPAVWMLGNLG
RATYEASTNNIWPWSFDTCDRKLQPAQAI SACNEQNHYGMHAFQGRGATEIDLIEVMTGD
SDGPLPGTDPVGLPYGDMTLQVAPGVTKNRPQCCSVPLYESTVSANGHTEYLANTWYEG
LEMHGNTTINPFYGYTMGETKPGEPVTRTKEQAFQADAVGVAHQLTREHFRKLHTFRVE
WQPGRGRIDWFAKKERKTDSSSTSEGDESEDEWLHVYGIKDDSLNLMGSQIPIEPSYL
ILNTAVSSTWGFPIAPDNCEKKCFDCEDPKCSCNFPPGFCKMLRETEVAMYVDSIRVYQS
RDPDAHVGANHTVGCDDPVDYPTKEWIKGHKYQYMRNAPFSYEDHGIPLKKVQTGGGK CET
DNDCGGHISSVNLTEAYEGGETERNLESNRDTPDKGRGKCVSRSEFSSPLFKESSGAKS
VCKCNPGYTGPHCLAQKHVDDTTSAFEKMKKSVFNSVPRIYVSPVLLVGLAGILAI AIF
FACKVAGMKRREKEMERELSKLR
>comp12622_c0_seq1; 323 307 921 LEN=1179; translated
MQSTRLEPSEHSSMAMKTKANDPRDGGNDEGEVCAFVSSDENDGIAIRILKPTSIAGKD
DSSVKESREETLVTVVRTQDETDELRVSTCSKTESGKSFSEDPDRSFELTLHRASILKKI
SKLREQIDLAISDDEKVAFEDCLKLEILFLERKNREQGPYLGNRSKNKS VATPTASIAIV
TSINTNFATIMENYSNDDTLVRK
>comp12623_c0_seq1; 184 856 1341 LEN=1785; translated
MNSSDRIFDPNIYLGANGGICGLFGLMFVCLTRMARANPSRTDGGTAGQLAQGVAAMAVL
AFLMDNVSMATNVGGFFGGVIGILCGPRYTKDYAMRRKNSIGYDSVSYEYRSAMGFGIT
PTRTGLVPLKVLVYLLAVTVAVPKYRNIPVAIIKGFMGAL
>comp12625_c0_seq1; 194 411 1837 LEN=1931; translated
MPNQYNPKEPTSQTSTTTSTATTDPTSLKRSVKSFLDSNFHTNGDRQLWDLLEHY PSTQQP
LQQSEQNQQRNLGADHKGIFYEHDILSSELVCGAGPGRGMEQDAGYKLLVEKACAFNP
LKSNNLDFIRMPANTLESRACSAWYXTYSKMRHLVRSQALIWGKDCDGF LAFSNETLPSL
GIYQLPLVDYSNGPPYQDSPAWLGAQPTEEAYQNLWQKVRHMWKHVHDHHLGDYDYFYI
SGDDVYLIVDNLRAYLEDLSALESRSNSMEVTPRFFGSYLPTRSMLAGGPGYVLRVAVLK
RYVGLNRNGNRTSASIWSHCLGGLNKASEDLHISYCIQQFLKIKGNDDTDRNSRGEQRFH
DTPASLYLMRATASKRGSYNERMAKGWELQSLPLMDLGKNLPNNVNANTDANASTVGPK
HELDAVAAYSFSLHRIYTPTYMARIHAILHPKLCPIDSP LGKGLMQHYDFYRHDE
>comp12626_c0_seq1; 109 1 129 LEN=504; translated
GKGSKYYYGDDDDDGKGGKGSYKGSKQKHYDDREKLEKSH
>comp12626_c0_seq2; 301 1 360 LEN=735; translated
GKGSKYYYGDDDDDGKGGKGSYKGSKQKHYDDREKLEKSH
>comp12627_c0_seq1; 257 1 703 LEN=873; translated
XEDENENENEDQDEDEDENEDENEDEICQDDPNFLFADKPGKDCNWWKSKKR LCKRGIF
APIVHQHCPMACGLCDDNEDEDDIDNESDNDNDNDSPDDNNNENPNDEDETCQDDPTFL
AGKPGKDCDWIKRRRKFRCRPGPFNGSIAESCPVACGKCNDSDNDIADDNNENDSCENN
PRFLFKGKPGKDCFEVVRMMTRGKSTKICQKSVRKACPVSCDMCNTNNSIEV
>comp12628_c0_seq1; 173 261 958 LEN=969; minus strand; translated
MIGSYDCCPVTDALTTSTQIXVSDRVSTLGSENPWRNKQVTNLSNRGDGIFEGNAEGEA
LGAALGAAEGDALGEALGAAEGEALGVELGDSL GATEGDLVGAALGVGLGSAVLLTDAEV

LTVDVWVVEVEGASV GASV GALV GAGV GFEVGV LVGGCEGCEGGGLCFFLLFFVGGCERG
GLCFFLLFFVGGATV GXLRSLLVDV FSGSLGMFQD TDCAVLKRKNSVRIDDFD
>comp12628_c0_seq2; 238 95 706 LEN=1094; translated
MKISQGILFFVLGFAIAAHAQDFDHGTVRILKHTKGSCKDIDKKTSTPTVPAPTCKSKKK
HSPPLSHPPTKNSKKKHSPPSHPSHPPTKTPTSKPTPAPT KAPTEAPT LAPSTSTTQTS
TVSTASVSNTAEPSPTPSAAPTRSPSVAPSPQPSESPSSTPSASPSAAPSASPSASPSA
APSAAPSASPSALPSNIPIPPVA
>comp12628_c0_seq4; 246 95 694 LEN=1082; translated
MKISQGILFFVLGFAIAAHAQDFDHGTVRILKHTKGSCKDIDKKTSTPTVPAPTCKSKKK
HSPPLSHPPTKNSKKKHSPPSHPSHPPTKTPTSKPTPAPT KAPTEAPT LAPSTSTTQTS
TVSTASVSNTAEPSPTPSAAPTRSPSVAPSESPSSTPSASPSAAPSASPSASPSAAPS
APSASPSALPSNIPIPPVA
>comp12628_c0_seq6; 163 261 970 LEN=981; minus strand; translated
MIGSYDCCPVTDALTTSTQIXVSDRVSTLGS ENPWRNKQVTNLSNRGDGIFEGNAEGEA
LGAALGAAEGDALGEALGAAEGEALGVELGDSLGCGLGATEGDLVGAALGVGLGSAVLLT
DAEVLTVDVWVVEVEGASV GASV GALV GAGV GFEVGV LVGGCEGCEGGGLCFFLLFFVGG
CERGGGLCFFLLFFVGGATV GXLRSLLVDV FSGSLGMFQD TDCAVLKRKNSVRIDDFD
>comp12629_c0_seq1; 38 1 727 LEN=796; translated
XSLYCRWEAGKFRTIPRTEGVSTTDILGRMLLLTKEHHMERRAVSALGRQSKFLTTRLL
QLFSENVKSPTEDMRVIYIDGSWDMFHGPHVALLKAAKERGDYLIVGIHGDCVNVKIRGM
NLPLLLNLHERVLSVLGCRYVDDVLIDAPYEISAEMIASLRIAEVIHGACDVDGEYCSDED
DRYMYAREKGVFHTVKNPCSFSKLTIFERIRQNQKTFQARFERKMS TEAEHYKQKYSHNE
SN
>comp12629_c0_seq2; 269 31 1313 LEN=1382; translated
MAKKEILD LFGISESSQDLIRTVVTIALTILSYVLFGNRHM KRQKLAKELDVAKQLA
FLQXKLSDPTEANTDGE EKK EIRIFMEGAFDLMHFHGMNAFRLGRSLGTHLVVGVNSDES
ITECKAAPLMNNEERLAMVKSCKFVDQVVPNTPYIMKKEYIDYIFETYNVDI IHGDDPC
IVDGRDVYETAKKAGKFRTIPRTEGVSTTDILGRMLLLTKEHHMERRAVSALGRQSKFLT
TTRLLQLFSENVKSPTEDMRVIYIDGSWDMFHGPHVALLKAAKERGDYLIVGIHGDCVNV
KIRGMNLPLLLNLHERVLSVLGCRYVDDVLIDAPYEISAEMIASLRIAEVIHGACDVDGEY
CSDEDDRYMYAREKGVFHTVKNPCSFSKLTIFERIRQNQKTFQARFERKMS TEAEHYKQK
YSHNESN
>comp12630_c0_seq1; 527 95 1081 LEN=1153; translated
MKISNNYSFAHGVTTLAIVGAVVGTASAFAPVHLPSTARSAIPSVYGLVQDSGSPTVLHA
NLFDRFFRVSRASANNV LGRFEDPEQIMTQALQDMQNDLVRVRQTYAEVTATQRRMASSK
RQLESQADEWHHRAQLALKKSNEGLAREALAREALLNQADGIQSQIDAQANNIDKLYEG
MSLLEKKISEAASKKNQMAARARTAKSTQKINDMLSGLTGQTSMDAFNRMEDKVLALAEA
AEVSAEMAETTMSNALAPSSSSGKGSSEMEFRLLLEASDTV DRELEK LKANMLPSSSAT
TGAASSALERHPVKEFTTRSNEGTNMI
>comp12631_c0_seq3; 267 142 987 LEN=1158; translated
MRKCLKLLMF TLLRSSACSIRQATTKTSIQRLRATRDVPAIQRCNLACL PENYNTNFYC
SHLRQWPD LALVAEEIHHPQQNETSEDRHQYRKHFPGF TGEREEPKVIAVVLGKVETRP
SIDYDNPISRNGRVERLGHVTS LAVQKDFRRLGLAKAMMSQLHYHLQH HGIASCGLHVRT
SNVAACRLYEDDGYEVDQIIKSYQDGEDAYFMRRIFRQEDSLNYDQGYRPGRLVKKAWK
SGPEELRLPRIHIPSIKEIHEEHSSNPAGHPPPPAELLSGI
>comp12632_c0_seq1; 845 116 2275 LEN=2378; translated
MPRSQGT SRKGPKKHERASGMGRALQKSRVKRHTPSASLGMAQREGVESINMEQGDRV
KQALDNRASVLDVNDLDDFLIQAEMADREFISEKERAVILDETAQAAGNCDGVILNGDER
VNSNFSFKELSVPRRPAWDKTTTAAELDQREKDAFLEWRRGIAEREEEEISLRTSTVSSLG
VTPFEKNLEIWRQLWRVLERCS CIVQIVDARNPLFYLSQDLKAYTTKELGKPM LLLINKS
DYLTPVQRKAWHEYF SHPDHKWEHVFFSAHEQQQVDEDAARAAKEEAE EEEERQKEIS
ILSKEYDDESDDDGDSNPSGNKDS SDEKKVRDEDL EEGVKEISPSDGMKNIGVDKPL
SRVELLDWLQSFANANDCAMDQKYNRI PFGMVGF PNVGKSSVINVLMGNAKNAHG VVRVG
VAAQPGKTKHFQTL LPPDRPEMLLCDCPGLVFP SFVSN TADLIAAGVFP IAQMRDWKPV M
DLLCQRIPREVLNAQYSIKIPLPTADAIYEAQRVQGREDIRLPPPTADEFLTTF CVARSL
LAASSGV PDYQRAARMI IMEYATGKLLYCHSPPHFDKET FQKETILLSLQKTKKLREKFL
ESSDVQLPKAKDDSQSKTEDLDIEDDDMLLELLGGASVSGQGGQNDKMSVGT SKRQKKW
GKKGRKGRNKDPYGCHSTPDQTLGPNEGQMGVSVKGGKHKRKNYTRATGYGSTRAYQ
>comp12633_c0_seq1; 1299 316 5260 LEN=5260; minus strand; translated
MANSNGVARPKSADARTSTGFAVERNVEGVPRDVGTTAMQNTTMLASTKTVDATKGTSLP

QRGIGEKKEEDAVPMKQNSKSTTSTNCGRVEKIESSSSTTSSKVKGAPSNRAQSQTIGSR
VEGNTKSSSTNSPMP ISSPKGGNDGGNDRVTFDKKPNKPLAPESRSSISIVRNPRNPKAP
NRDMTPQNLSMMAAKNKSRAASLSPASVTQQKPSKAMQSSSKPGVMKKNFLTNPSSAAMAA
RGQVTNIPNIDMDESMVSLGDEELQIQRAPLTTKYNPYITHSDTSLADARRRLEIALDQT
RQLRAAFTERVYGKYRVLQPPPQTRDIKVKLKDDPIGMHKKIELELKRIADEKSAEKKY
SQMAVTDNDNVAAAASVPSAAATIPAGPNAV GASKATNGNTTSSAAPTDDTEQFLYVTS
LSLIVLPEDTSLNIDL FVYRERAPLNAKTGQVRVGI SPAAAASSGNLMLE RARQ GKVARAE
RIKRLQQKVDKLAHNFFD SHYKSSISAFNAAAIELPSSISSAKPTATAGKNSTSV PQET
KSKISASRSRSSSKSAEGKKVAGVKRPPAPKTTTKVPAGQTAAGAKVIRARVQTPMTLQT
LLNLNPIHEELRTDTKYSAATLAMMECGVGTYYGPTTQYHKNTPHRFKHPFPDSLGGRRR
PVT SAGGVLDPSSSTANLQLTLP SIPSVKERRRYKKT SVLSRKEAGTTRAAASIRKILDQF
TPSTNKAVVAIESNETQENHLLCRPNKQRKISEIGFVRGLHLDSVDEGRARVGGNTTESG
KGD SDFIDSTLTLNLV LKAVGLIKSSVSTDSKSERSSFP S L T S S L F K E I P S T G T G P Y S D S
LATLKELEKLLTQKQSFTA AFCSETDSCDTEHNLEDRSLDGCNIVQEIEPKTSAPLTLR
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KSQERALLATVVS RKSTMSLSFSHAYVSAIVRAGEALGHGALFEVIQNEKCGVSTMIPYD
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>comp12633_c0_seq2; 1152 316 3936 LEN=3936; minus strand; translated

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>comp12634_c0_seq2; 417 141 1196 LEN=1722; translated

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>comp12634_c0_seq3; 279 270 911 LEN=1437; translated

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>comp12635_c0_seq1; 1299 113 5402 LEN=5564; translated
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>comp12635_c0_seq2; 1337 144 5507 LEN=5669; translated
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>comp12636_c0_seq1; 219 1 1260 LEN=1558; translated
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>comp12637_c0_seq1; 482 59 1821 LEN=2502; translated
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>comp12637_c0_seq2; 482 59 1821 LEN=2491; translated
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>comp12638_c0_seq1; 480 1 1645 LEN=1741; translated
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>comp12639_c0_seq1; 473 126 1199 LEN=1592; translated
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>comp12640_c0_seq2; 190 1 899 LEN=1065; translated
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>comp12641_c1_seq2; 141 1 379 LEN=897; translated
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>comp12642_c0_seq1; 784 1 3828 LEN=3841; translated
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>comp12642_c0_seq2; 890 1 3746 LEN=3759; translated
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>comp12642_c0_seq3; 256 1 1120 LEN=1120; translated
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>comp12643_c0_seq1; 770 1 2126 LEN=2307; translated
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TDVNADLATNENESQSATDNL PSEQNPVVLIEVQVADFP AKSLDFKETWQSINSIILLES
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DDPNHQVRHDDNNTMEDLDETMSLASSESETPNPMFAGIHKVMNMPTRTDNSANPMHGT
VEIGLQMKSRNNQH YDSKGILGDI EHENE ESSINATFLDDDDTNEGELSSVM SGFSSA
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>comp12643_c0_seq2; 909 192 2834 LEN=3015; translated
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LEFPSQSPSAPATNNSQPIMNSTTTIEPVEVELLPFSLLVHGSISLEDELVIRRNLQDYLL
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SRNNQH YDSKGILGDI EHENE ESSINATFLDDDDTNEGELSSVM SGFSSAGKTDCSE
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>comp12644_c0_seq2; 249 90 908 LEN=1281; translated
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>comp12645_c0_seq1; 279 44 997 LEN=997; translated
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>comp12645_c0_seq2; 381 44 1540 LEN=1607; translated
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>comp12646_c0_seq1; 288 1 715 LEN=1274; translated
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>comp12647_c0_seq1; 199 417 1337 LEN=1986; translated
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LTNSNK

>comp12647_c0_seq2; 129 417 1543 LEN=2192; translated
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EDRVALIPIILRSGLGMMDSMLELLPNSSVHHIGMYRTPGVHVAVPVQYFNRLPRGECTADV
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FGPXVISFGVAVAQAFQNRASLSRIHLGRIHEKHTHTREYLIHAHRISAPVVRVRYNFFSL
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>comp12648_c0_seq1; 463 342 1559 LEN=2021; translated
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VCVEALRDDAVDTRSDSSRKGTGSGSIGSESDATAITTLHGSPQRAALESIANRIREAVA
TTGDERPQTLPTTNPSEPRGPKKNDVTSKATGIIGTDANTAADTNPVAPATMSTDKLLT
RLSDLARDYDSLAKREEHLELLQNLHDADILVRALAVESVGDEDTENEETTANYANER
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>comp12649_c0_seq1; 533 189 1490 LEN=1525; translated
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SIRSKATGNEIPDPSSASDLATAVDSLPAALLERKKQLEVHTSILQAVMNQVAARDVPQF
FELETSLATGSYKNDPNRAKNEVMELVADPSKGNIDDKLRLIVVYVLTNNAKTDDVDEVA
AALQQAMEGAGDDGKPRLDKAGKIRLEMGTALAYLKQLRSMNMLPLSSALQEIDASSDA
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DAGEFLTQLGKLG

>comp12649_c0_seq2; 658 167 2125 LEN=2160; translated
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VNEQMIIEAMNEIAYGLFSVVATQGVPIIRCPRGGAPEMVARKLNRMIAEHPTLLRNKS
SGLHRPLLVLDRNTDLITPIQHTSTYQALIDMLKHKANRVEFDVTTDTMAKRPKTVQK
KFDLDPDQDPFYSRHKFHPFPEAIESNGVDLQEVTAKEQSIRSKATGNEIPDPSSASDL
ATAVDSLPAALLERKKQLEVHTSILQAVMNQVAARDVPQFFELETSLATGSYKNDPNRAK
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GKIRLEMGTALAYLKQLRSMNMLPLSSALQEIDASSDAAGSSVFSVFNKATSQATGLL
AKAADKVSSMLGQNHKHYATQVVENLCEMKPGTEDDDFLYLDPRVKGDVDVQKLRMTSR
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>comp12650_c0_seq2; 359 125 1168 LEN=1339; translated

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GPHPSSHPPHQPQSHPPHPPPPGGGYSASHAYGGASSHQGNWQNER
>comp12651_c0_seq1; 202 240 800 LEN=962; translated
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VKKSDNTKGRKDPDFLRSIADCRNQCQSTPGPDGLAKSKEDCLSECQDICCTTYEQCTF
NIVPRL
>comp12652_c0_seq1; 178 1 1535 LEN=2229; translated
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LHSKRYSDLPSSLDGTDGEGEPQSLVGHEEHSREDIEKRIIESRRYMELLIQSGDLDP ELI
RSCRNENEDCXLL EEEEEYKCTKDTNFARSIDFTMDDPSPLTPKYPFHIQSAWGS DENPG
YMTNCGPACQSCDMLAIEKRCPLDRDIIGPDVWGP GDLDKMFRRLSSEEPYTSKY NVNV
LSSPDDEGGGPWVLTMDNFVTNEEADRLIEMGAVEGYKRSSDIGEMRPDGSTGEV VSSGR
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>comp12652_c0_seq2; 274 1 1426 LEN=2120; translated
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LHSKRYSDLPSSLDGTDGEGEPQSLVGHEEHSREDIEKRIIESRRYMELLIQSGDLDP ELI
RSCRNENEDCTFW SLLGECDENPGYMTNCGPACQSCDMLAIEKRCPLDRDIIGPDVWGP
GDLDKMFRRLSSEEPYTSKY NVNVLSSPDDEGGGPWVLTMDNFVTNEEADRLIEMGAVEG
YKRSSDIGEMRPDGSTGEV VSSGR TSTNAWCSNECIEDEIVQSVTKRISNMTQIPELNSE
DLQLLRYE VQGQLYKRHHDYIEYEIDRQGGVRL LTVYLYLNDVEAGGGTNFPDLELTVMPK
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>comp12652_c0_seq3; 207 1 1106 LEN=2143; translated
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NEDCTFW SLLGECDENPGYMTNCGPACQSCDMLAIEKRCPLDRDIIGPDVWGP GDLDKMF
RRLSSEEPYTSKY NVNVLSSPDDEGEARGMFFYFVVGFC LCEEYNDGQPCYFLLNSSYL F
FRARVLTMDNFVTNEEADRLIEMGAVEGYKRSSDIGEMRPDGSTGEV VSSGR TSTNAWCS
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LTVYLYL
>comp12652_c0_seq4; 228 1 1331 LEN=2025; translated
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NEDCTFW SLLGECDENPGYMTNCGPACQSCDMLAIEKRCPLDRDIIGPDVWGP GDLDKMF
RRLSSEEPYTSKY NVNVLSSPDDEGEARGMFFYFVVGFC LCEEYNDGQPCYFLLNSSYL F
FRARVLTMDNFVTNEEADRLIEMGAVEGYKRSSDIGEMRPDGSTGEV VSSGR TSTNAWCS
NECIEDEIVQSVTKRISNMTQIPELNSEDLQLLRYE VQGQLYKRHHDYIEYEIDRQGGVRL
LTVYLYLNDVEAGGGTNFPDLELTVMPKRGRVLIWPSV INSDPNEKEMRTDHQALPVEAG
LKYGANAWLHMRNFKDPLDRNC
>comp12652_c0_seq5; 181 1052 1639 LEN=2333; translated
MDNFVTNEEADRLIEMGAVEGYKRSSDIGEMRPDGSTGEV VSSGR TSTNAWCSNECIEDE
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NDVEAGGGTNFPDLELTVMPKRGRVLIWPSV INSDPNEKEMRTDHQALPVEAGLKYGANA
WLHMRNFKDPLDRNC
>comp12652_c0_seq6; 253 1 1201 LEN=2238; translated
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LHSKRYSDLPSSLDGTDGEGEPQSLVGHEEHSREDIEKRIIESRRYMELLIQSGDLDP ELI
RSCRNENEDCTFW SLLGECDENPGYMTNCGPACQSCDMLAIEKRCPLDRDIIGPDVWGP
GDLDKMFRRLSSEEPYTSKY NVNVLSSPDDEGGGPWVLTMDNFVTNEEADRLIEMGAVEG
YKRSSDIGEMRPDGSTGEV VSSGR TSTNAWCSNECIEDEIVQSVTKRISNMTQIPELNSE
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>comp12652_c0_seq7; 284 1 1002 LEN=2039; translated
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NEDCTFWSLLGECDENPGYMTNCGPACQSCDMLAIEKRCPLDRDIIGPDVWGPGLDKM
FRRLSSEEPYTSKYNNVNLSSPDDEGGGPWVLTMDNFVTNEEADRLIEMGAVEGYKRSSD
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YEVGQLYKRHHDYIEYEIDRQGGVRLLT VYLYL

>comp12652_c0_seq8; 168 469 651 LEN=2252; minus strand; translated
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>comp12652_c0_seq9; 197 1 1530 LEN=2224; translated
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RSCRNENEDCTFWSLLGECDENPGYMTNCGPACQSCDMLAIEKRCPLDRDIIGPDVWGP
GDLDKMFRRLSSEEPYTSKYNNVNLSSPDDEGEARGMFYFVVGFC LCEEYNDGQPCYFLL
NSSYLFFRARVLTMDNFVTNEEADRLIEMGAVEGYKRSSDIGEMRPDGSTGEVVSSGR TS
TNAWCSNECIEDEIVQSVTKRISNMTQIPELNSEDLQLLR YEVGQLYKRHHDYIEYEIDR
QGGVRLLT VYLYLNDVEAGGGTNFPDLELTVMPKRGRVLIWPSVINS DPNEKEMRTDHQA
LPVEAGLKYGANAWLHMRNFKDPLDRNC

>comp12652_c0_seq10; 176 1 1305 LEN=2342; translated
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LHSKRYSDLPSSLDGTDGFGEPQSLVGHEEHSREDIEKRIIESRRYMELLIQSGDLDP ELI
RSCRNENEDCTFWSLLGECDENPGYMTNCGPACQSCDMLAIEKRCPLDRDIIGPDVWGP
GDLDKMFRRLSSEEPYTSKYNNVNLSSPDDEGEARGMFYFVVGFC LCEEYNDGQPCYFLL
NSSYLFFRARVLTMDNFVTNEEADRLIEMGAVEGYKRSSDIGEMRPDGSTGEVVSSGR TS
TNAWCSNECIEDEIVQSVTKRISNMTQIPELNSEDLQLLR YEVGQLYKRHHDYIEYEIDR
QGGVRLLT VYLYL

>comp12652_c0_seq11; 168 469 651 LEN=2451; minus strand; translated
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>comp12652_c0_seq12; 188 1 1111 LEN=2148; translated
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NEDCXLL EEEEEYKCTKDTNFARSIDFTMDDP SPLTPKYPFHIQSAWGS DENPGYMTNCG
PACQSCDMLAIEKRCPLDRDIIGPDVWGPGLDKMFRRLSSEEPYTSKYNNVNLSSPD
EGGGPWVLTMDNFVTNEEADRLIEMGAVEGYKRSSDIGEMRPDGSTGEVVSSGRSTNAW
CSNECIEDEIVQSVTKRISNMTQIPELNSEDLQLLR YEVGQLYKRHHDYIEYEIDRQGGV
RLLT VYLYL

>comp12652_c0_seq13; 209 1 1336 LEN=2030; translated
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NEDCXLL EEEEEYKCTKDTNFARSIDFTMDDP SPLTPKYPFHIQSAWGS DENPGYMTNCG
PACQSCDMLAIEKRCPLDRDIIGPDVWGPGLDKMFRRLSSEEPYTSKYNNVNLSSPD
EGGGPWVLTMDNFVTNEEADRLIEMGAVEGYKRSSDIGEMRPDGSTGEVVSSGRSTNAW
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>comp12652_c0_seq14; 168 469 651 LEN=2347; minus strand; translated
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>comp12652_c0_seq15; 168 469 651 LEN=2134; minus strand; translated
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>comp12652_c0_seq16; 305 1 1227 LEN=1921; translated
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YEVGQLYKRHHDYIEYEIDRQGGVRLLT VYLYLNDVEAGGGTNFPDLELTVMPKRGRVLI
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>comp12653_c0_seq1; 206 220 1366 LEN=1366; translated

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RSGDARGVAGGLLSASLSGCSGPREKTGPQLRHVCAGVRVTRKRVFTTPE SPPNYLNAMH
VCFYLVVGRWLHWSKPI SRRFISPYQHPSQNAMIDFVVSFPLRLRVACFAPLSFLLSRLL
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>comp12653_c0_seq3; 198 220 1196 LEN=1196; translated
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RKQHRSGDARGVAGGLLSASLSGCSGPREKTGPQLRHVCAGVRVTRKRVFTTPE SPPNYL
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>comp12654_c0_seq1; 650 743 2512 LEN=2587; translated
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FGPVIIFIAMSAINSLPGVAKFNVPTLSVDPHFQLAGARKFLVPINSIPNGVKLLCSLPA
MLLSALFFMDQNISVRVVMNPDNKLKKGPAYNLDMVALGLITGVLSVLGLPVMCGATVQS
MNHVKALTDVYNPETEEIEIVDVTETRLTGFLVHAMIAGSLLLLPVVRLIPIPVVSGVF
LFLGRKLMKGNLQIRIRDTFVQKNRLLLEDNPIRMLGRKRTALFTGIQLLCLMGLWGFKE
NPSTAIFFPSAIGMLMVVRNFVLPKIFDEEELVELGDPTPQLHLDDGVI

>comp12654_c0_seq2; 245 743 1054 LEN=1233; translated
MNMSNDTSSNLSDDVGDGIGAEVGGDNFVVENKANNIQINGNGNVNYIEKQ SISISYQFAIA
KHYYEEMEDRSGKDYRWIKPLAKPVSHVMIKDIERRKECYLSDW

>comp12657_c0_seq1; 281 1 1006 LEN=1337; translated
XPTITLLERRTTVQLHNKTIQHNTTKSKPVVKFHRKMLYDNMTRLNMTMYRRKQQNGKV
IVDYDDTILPSTFVDRWKIDNFKELPQHFQNMLEELSRTCDFRFLLEASKYGEV I IITNSD
EGWVNFSAERYCPALLPVLAKEYPIISARTRYEKFYPCQPLCWKAAAF AHEVNEIYDSLKN
TDDATSCASMEGTEVSSTSSLSMDMDEVNNSMSSSDLVVDSSEQLPRQIISFGDSNEE
RMAVSI VSGQLDALPKSIKFMSSP LLIIGQLHLLTNHMEFVCESGKSLDMHITKVQAD
QYAQSYLRDENLVYDERIVPAFVPRTRRELD CRPL

>comp12657_c0_seq2; 187 603 818 LEN=1417; minus strand; translated
MLTAILSSFESPNEMICRGCSDDESTTRSEEDMEELFTSSSIMSDKDDVEETS VPSILAQ
DVASSVFFNES

>comp12658_c0_seq1; 1493 1 4215 LEN=4411; translated
NSSSSNKNATSSMFEISCSPLPSNQTHRGSSFGYGETRQRSFAEQQSDSVSGSFVEGKI
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SPTLPTH RHGEGSTEDHGRENERETNHANHNNAQDTDDDDADSCCTLADSDLYYGSSAY
DNTGATSKIAEATCHSNIDSNNSNIDSTVSPATETHSGSISNSDYTETT VANSICSSVSR
GEEHISSRLRKYGLYNLHEMKRRQQRRVNRNFKTPMSNGSSTTSSSNNNTDIHYQSSN
STLQGSSSH PQGPAAVSILSGLTNEGNSMIDDNEESRGHQSKAQGNSNDN NNNIKNTGA
GIPTRIRTAPLHVQMAVEE IHRWLFTEGGHFEDVQTLMTQYSLYVREHFGIPLDRLYYGG
VGLHPKLTAYLWKWEPHGEFTHSEMPPEV FARRNELFSPDEPFCVLEQGRADYVRIRDTD
SYIPPD TAKWFRAGKFKDYFALPDIHRGVSKGLAWSTKCPDGFCDDDI QFFRMTHPAL
TIMRLHTNDMVLKTLTDRMESEITERTNQLAAANIKLEEANEESI SMHASKQLEHFACMSH
EIRTP LNCIVGLSSLLLESDDLNDLELLETINMVYSSADLVQGVVNDVLDYAKIESGHFEL
DIHESDLQSTLNGVVHSIANKLRSQDKNVEVRTSYSGRLGKTMTTDSRRLQQILYNILGN
AAKFSMEGTTIDFSAKLLEPTKTKVDCPKVGNDDNNEDEAKDNDNIPTENKPPKHTIRFS
IKDYGKGI EEKDFEKIFQPF SQASKETQTVYGGTGLGLSITKKLVTRLGGTIKIRSEIGR
FTEFIVDLPYVDEPVDVSLLRDKLSETSIVLLDPMDGGAGERENEESD DSFLPFAEMVE
DYGLNVLRCSWGELESKLGLKANIRENYIFLAHEDI EEQQGFLNTEKIVGRNRCSWFSF
GSESSLNHRQRHFKTLTGIFPAFLLERLVEVTSSESIGFQEDHSLNASFSTFNQSIGELS
IEDMSSESQESDDGKVL PKATGLFAIATSENCASPVDSRLIHGKPPGTNDSSPSATESS
TKSRKAFATKYPPRDLKVLVVDNKNINQKILERILKRLGVNDISIVNNGKKAVDLTETTV
FDCIFMDMEMPVMGGLEASKIITQRDKESARVVFVTAHDIEDIKERADKAGAFGYISKPL
KMQEIH TFLGTIEGLGTIHS AKTAKKEFSNRVLVKTSSGDEL RKKRSTPPK KKRCTKYQP

ERELKVLMAEDNLVNQKVLDRILKRVGVKDVTVIVDNGKKAVDISSTIKFDCILMDMQMPI
MGGLEACKIIVERDKDQVDCPKIVFVTAHALVEFKKALAAGGFDFIAKPFKMEDIDKMM
KTVEDAIGSNTQDTNTAPMEENT

>comp12659_c0_seq1; 428 41 1144 LEN=1388; translated
MMTARSLSFLLVCLSGTVSGTTQSQSERYEPDESLKSAFSLYSSWKKTHSKGAQLTLGEE
EQRFKIWLENHERIESHNNQKPAPSFLLGHNEYSDLTRDEFQRFRLGKYSQSAELEKKH
AQNLVSSQAEVKTARYLSEDOVPLDLPDYVNWIALGGVTDVKNQGACGSCWAFSTTGALE
GAKYVKTGELVALSEQNLLDCDHKDLGCNGGLMDNAFKFDEKSGGLCSEADYPYEAQQS
VCNPMNCTDVPGSIVSTFYDVPNGNEKTMLAALAMQPI SVAIQADQFVQFYKGGVLTDD
ACGDQLDHGVLAVGYGSDLETNEPYFVVKNSWGPTWGEGDYIRMSRNSKNEYGMCGILKM
ASYPVVE

>comp12660_c0_seq1; 460 216 1265 LEN=1472; translated
MTITKTITKTNNLIAVAACFFFLGLTGGGSLFSRSPWQPLASAEDIACDVEATYGTWD
DKRIPRNEIAVPGNYVLRYGIPAFSEKFDTMAEGGTWIRSFAFESYQMTDEDGQVDSGE
SGRATATATAWLPEAARSLRGGDAQALAAPIPRNCFRSYSCRRRYMRMRNSLRFRMNGR
SAANMGRSSMCHLCREDDDDAAALATEQRNDERDREPLFEDGAPGPHFPYREVTLDEI
LGSGEAPLVPPGGKPSASHAAFEAFCAELGLVKDYDGSATATDCKVRFHCRPSTEREVA
GDDLLVLDRRGGNSNGDSNGNDGTVEHVSPGVLYAVRAASPSDLGEGNH

>comp12660_c0_seq3; 460 216 1265 LEN=1423; translated
MTITKTITKTNNLIAVAACFFFLGLTGGGSLFSRSPWQPLASAEDIACDVEATYGTWD
DKRIPRNEIAVPGNYVLRYGIPAFSEKFDTMAEGGTWIRSFAFESYQMTDEDGQVDSGE
SGRATATATAWLPEAARSLRGGDAQALAAPIPRNCFRSYSCRRRYMRMRNSLRFRMNGR
SAANMGRSSMCHLCREDDDDAAALATEQRNDERDREPLFEDGAPGPHFPYREVTLDEI
LGSGEAPLVPPGGKPSASHAAFEAFCAELGLVKDYDGSATATDCKVRFHCRPSTEREVA
GDDLLVLDRRGGNSNGDSNGNDGTVEHVSPGVLYAVRAASPSDLGEGNH

>comp12661_c0_seq2; 239 239 877 LEN=1157; translated
MPSPLPPQPLGTVMFRGEGQNPPSLEVECYLDLIPCPSAKMFSMLYDQVVPQLIQNKESH
AAFRIHVVQHPWHPQSTMVHEAALAVRAVLGTTKYLEFVSGVYAAFSGDDKKFSDADTWN
KTRTEIYEDLLSLVTPLGSEDDKAVRAMLI PADGSLSGNSGNGLTQELKWACRHRHARG
VHVTPVFNIEAGQVSSGWTKDQWMEFLKK

>comp12661_c0_seq4; 129 401 1039 LEN=1319; translated
MPSPLPPQPLGTVMFRGEGQNPPSLEVECYLDLIPCPSAKMFSMLYDQVVPQLIQNKESH
AAFRIHVVQHPWHPQSTMVHEAALAVRAVLGTTKYLEFVSGVYAAFSGDDKKFSDADTWN
KTRTEIYEDLLSLVTPLGSEDDKAVRAMLI PADGSLSGNSGNGLTQELKWACRHRHARG
VHVTPVFNIEAGQVSSGWTKDQWMEFLKK

>comp12662_c0_seq1; 235 2290 2840 LEN=3788; translated
MCNAWGRAPLERSWTTSLVLFETECVEVQREDVVQVTRDQKQVAKMQQLKVPPTMRLP
TVIYIXSNGNDELSSMDTDYQETDNNYDSINYDDNFSYLAARDALDNNFGQHVTAQKS
ISGNNSVRSESDSSLNQTATKDDLGTGTTINVIATKTLVPPPIRTITCLHNVQHLVNDF
EAP

>comp12663_c0_seq1; 490 350 2278 LEN=2754; translated
MLPTLSTQNYKNNNNNDRNDRNKMNNKNTHRRFQLACLAFLVVTFTAALVNPAPF
FSVRGGESRAAPKNADRQRKNFKFGSTTLNMDDEALDNGTTNGAVEDCCANGDCETKTPV
KQIRVTARKGLGATRMPPKRKNKNGFKQNGFASENIAATAISELCEVEDRPIPAEFVAET
ALPTDMGQFRLRAYRLEADQVPNEYTGREPSVIYAADKSPFGVEGELKKGVHVR IHDQCL
TSEVFGSKRCDSDQLKALKHIAEHGGAVIYLQOEGRIGLANKVAAYALQDVGLDVTVD
ANLHLGFPEDCRNYGAIPSI FHDKIGS IGLMTNNPRKVNRLKELGVKIDGTVPVPTT
NPYNHRYIEAKHERMAHENFDHLFSDSEDDTIVGETYVTEGEGMAAHAVKQSLQESIDDE
NEEGCLAKDDGYCFGRQSVVDAIAAVKEGKMVVVDDMNRENEGD LIMAADLCTPEDMAF
IVRYSSGVICIAMDSHRMDELKLPQMITNNEPKNTAFTITVDATKEHGITTGISSVDRA
KTMNLLADMSTSAADFNRPGHIFPLRAVEGGVLARDGHTTEAGVDLAHLAGRSRAGILCEI
VSEEHPTMEMRLEPMKRFKHHGLVLTIVDMIQYRKDTEDI

>comp12663_c0_seq2; 670 68 1924 LEN=2400; translated
MNNKNTHRRFQLACLAFLVVTFTAALVNPAPF SVRGGESRAAPKNADRQRKNFKF
GSTTLNMDDEALDNGTTNGAVEDCCANGDCETKTPVKQIRVTARKGLGATRMPPKRKNKTN
GFKQNGFASENIAATAISELCEVEDRPIPAEFVAETALPTDMGQFRLRAYRLEADQVPNE
YTGREPSVIYAADKSPFGVEGELKKGVHVR IHDQCLTSEVFGSKRCDSDQLKALKHIA
EHGGAVIYLQOEGRIGLANKVAAYALQDVGLDVTVDANLHLGFPEDCRNYGAIPSI FHDK
KIGS IGLMTNNPRKVNRLKELGVKIDGTVPVPTTNPYNHRYIEAKHERMAHENFDHLF
SDSEDDTIVGETYVTEGEGMAAHAVKQSLQESIDDENEEGCLAKDDGYCFGRQSVVDAIA

AVKEGKVVVVDDMNRENEGDLIMAADLCTPEDMAFIVRYSSGVICIAMDSHRMDELKLP
QMITNNEDEPKNTAFTTITVDATKEHGITTGISSVDRAKTMNLLADMSTSAADFNRPGHIFP
LRAVEGGVLARDGHTEAGVDLAHLAGRSRAGILCEIVSEEHPTEMMRLPEMKRFAKKHGL
VLTSIVDMIQYRKDTEDI

>comp12664_c0_seq1; 173 1 336 LEN=806; translated
ASASASASTSTSTSEEEPLQRPPAECPPANMIGASAFGLHGHGGSHEQHQQHQHQHE
AKQQHAHGGGSCPPWFLLLHDPKAGMRKQSWLAIGVFLAYTYQQCLPDSA

>comp12665_c0_seq1; 578 409 2179 LEN=2642; translated
MGPTQADVWNVAGNSERHVWLLFKNFDRNRTRFLGSGNSSLSDRRWGKSAFEFNRGADN
HNENPDSKFAKYLEPWSLDLFI SVDEI IRDDDPQNDRWISKMMIDFMKRLEINSERLTVL
QQRVEDFHSRLRNLLRNSNQASASIQDMIHILEDERKVLRLQLRHYDTWKSASFQYMGW
SPDGDEDIDNDDCEDPVIILDPKQRQIRWNALVQNASSESSARHAMTIEQMSELVILLKP
LSPKHSKHPLILPPGESFDDDLDCVHDTVSAFMRCRMTQQLLSQHMMATGQDALGTSIGK
RIEAKRQQRANPTDDDADAATNGKIVGAINVDYPVASILRASATEASQLCEATYILISP
QCEFVAATEEIDDDSCGSDCVSPAPASDNSYESVSATFVRSWLQYTLIELLNAMAATVE
RNPEIVSAAMDEDCNFSDS SDS SDS DSD DSD DSD DSD DSD DSD DSD DSD DSD
GIDDDFDLERLFRFAQRDTVWDRMDDQQTYSLVRSPKGLGVGLSLSRWHMRHFGGELTL
ERRAAGAIRVLSDSGGRGNGDSKWCLLKGKMTASIRMPKDSNIKLAI

>comp12666_c0_seq1; 207 668 1102 LEN=1381; translated
MAFACKLRNVDEEIGDTRRIISLCVWNIITYAAFQTSFFTIEHFRNDLGEVFTFQVEMVA
FALLDFYHMVSSPMVLVFPRIYVWYERTYGELENVQMYGAGRVRVEIVTKKKRPEELA
CTAELTMDNDDSNRVYEREERLDV

>comp12667_c0_seq1; 665 261 1931 LEN=2029; translated
MAASTSESTTTSAAPLPTWDQLKTLASDTPVGAALDADVELRSKGIGSPNVHNKLRRLFVD
SEKEQQQPAYTLYRDHAGWCPYCQKTMLLIEAKKIPVNIELVNMRSYGDKPQSFLRKVPN
GMLPALEDNASGNVALDSAYIMEFLEDYSNRDANSKSNHVGNMIPDRQTQPEEYRRYTSL
MGLERELFRWWCTFMFRPEQPNIIMGGGTGGVAGLVGNLFGGNAEGNDDDSYVSPSMKGF
LDCLETVDAQLGATNGPYFLDSSASGSNHPTMIDFVYASHVERMLASCAYWKGMMNRDPN
DYPTLSNLRKWMDALEQHEYYLAFKSDYYTHVKDIPPQYGPNGVSRSKIQSYKAMIE
GDSSTQSWKPLPLDDDSLQPLFRGIPLPLCVLEAADIRPDAQSGSYESTAKTSQAFRTAC
QTMAAWKLCGNGSAVSRFASRGGPSGSKNFNRKTFGAELADPYAAPDEGVLESVDALLRV
VSRTMLVVEANTVPSQDHADALVEAAGSHGGASVDGMVSSLAYLRDRIGVPRDLPLASAR
YLRAYLNWAIDVLEEK

>comp12667_c0_seq2; 162 261 506 LEN=633; translated
MAASTSESTTTSAAPLPTWDQLKTLASDTPVGAALDADVELRSKGIGSPNVHNKLRRLFVD
SEKEQQQPAYTLYRDHAGWCP

>comp12668_c0_seq1; 458 168 1472 LEN=1652; translated
MEKSNELERQSSIFRARSQISEAVGRSPLSEISDPRRLES IPTSDCLLSPRSNYKYDEN
NKQKFVNMVNIYIYALNGLMCEHRPAKSKFGKKTTSRLKSDTKLSSSDIAMRPNMQL
KLDLTTAVVSCQRNGISDQVCSETYLASMPLGDIATSLNRVRYAALWPSKQSAHKEG
AIERSAFQIIRCMKQAFTPGIGAGSNYCHETLEIGINVSQRGQERIHGTLALIVIDGEE
GEVIMNVPATPILLNSKKVKKRKNKYGYFSNDPSRRFFLDKTSVLRIGVQVIPEDAMRFA
REKEEKRIQKESELNELLGDGDFMAGLLLLKMGDDDIQREGKSMNSCPVNPAKITTGIMPD
CKAQNSILPNLLCGSIPISWVPNFKGPDTEPDVPKEIRTDNNIDQFTIHSLSMSSVSES
TNGSDRIFEVAGEL

>comp12668_c0_seq2; 465 168 1463 LEN=1763; translated
MEKSNELERQSSIFRARSQISEAVGRSPLSEISDPRRLES IPTSDCLLSPRSNYKYDEN
NKQKFVNMVNIYIYALNGLMCEHRPAKSKFGKKTTSRLKSDTKLSSSDIAMRPNMQL
KLDLTTAVVSCQRNGISDQVCSETYLASMPLGDIATSLNRVRYAALWPSKQSAHKEG
AIERSAFQIIRCMKQAFTPGIGAGSNYCHETLEIGINVSQRGQERIHGTLALIVIDGEE
GEVIMNVPATPILLNSKKVKKRKNKYGYFSNDPSRRFFLDKTSVLRIGVQVIPEDAMRFA
REKEEKRIQKESELNELLGDGDFMAGLLLLKMGDDDIQREGKSMNSCPVNPAKITTGIMPD
CKAQNSILPNLLCGSIPISWVPNFKGPDTEPDVPKEIRTDNNIDQFTIHSLSMSSVSES
TNGSDRIFEGE

>comp12669_c0_seq1; 1315 1 5095 LEN=5152; translated
RADSFHRLHSGDKKSFVPSASDGFDEVSQARLSMGTVDSLVEFGSVEAMLARRRKRAT
VLFRTDGKYSNDQKLLMCAFLYILEYGRDTMGWCQLILPTPPVSHQEGNKSSSRGTESAV
SAAKIMLPVLQPSLRRIILEGIGNLSSETQIVIPSTPEKEGESSDESKEKSQDDEKPVSL
EYVARELRHSLMGAIIVGLAFANARDIALHAMAVLRRDLKAQKNGTDDTAIKTFTSLLCMT
AEEIRVRYEGERRRRETALVDAAYDEQDEEAADSMAVEKLIIGDSIVPPSNERSTDETLK

EPVEEISFENDSEQSDRVPADFLLLNEGLTAGGASTVNRAKMEWSKYEGFSAALQTCNS
NDGTPIDNGDCLEASAQIVLKMSPFLDAWDEFSAMDAVDTELVKLFDLTLGAVLSEDSS
TGEALPEMDVFLHGGCEGAADAMTTFIELAASEKNRTMEVTEIFLPNHRNSCSSYTERFC
WTRYMGMLRKGNADEFWGERGIADGNRDVRSRIVSIPCEPQFRRFIPKYLDNSSSHNRHGPS
VDQAAHDEETDIDAFTKSLIESGHLEIVDITKKEINEEEKPALELPTSDTLDDDDFAETPL
DISRPRSADEEDKQPEESVTPPANKEATTIDAYNRDEEEKVEFDKTQVDSMQFNITASAF
ASPPDNSSSTLGLMHSAAAGLIERHLENCLHVKTEGSRKCSMLLTSTHLILEYDIDSEGL
YEGEMMAVREEAERQRMIEESKGGIAKDGDKIQEEIENRHKMTAALRPKSIRWNLSELSH
VYLRRYRLRDSSIELFFIPSGGTSFGGYGLYSPSTSLFLDFGPGYEGKTRRDDAAFAIMK
RAPPQAIKQWPDHDAQFLHNQLSRLTIGWVEGRITNFDYLLHLNLAGRSYNDTCQYPI
PWVLSNYHSEEIPDLTNPDPNFRDLRKPMPGALNPSRLEDFIERFNTFADPSIPPFMYGSHY
STNAGVVLHFLVRLHPFAGLHRQLQGGHFDVADRLFSSVPRTWEMCTGSSAAEVKELTPE
WYCNPSTFLKNTNKFRLGTSQDGELIGDVVLPWAKGSAEKFIEVMRNALESIDCSAMIPD
WIDLIFGRKQQGPEAIAAHNVFFYLTYGSDVAAIEDEGLRQATELQIAHFQCMPQLF
VRPHVRRVQYVKNKRLTFYQITSAYTFGIDTRKGTDDENEESTPLTCSNQQQIFGKPL
YLPFFSAPMSHWVHLDAPPPGPHAPLISVRLAGTDRCLAQVDFHCFRWAWEAEDSTQ
ITGFESSTTFPRDNGCFVAQRELPRFRTPRVLVHKPSHLQGDENHGYTYPVAVAISKTLF
AGISVLLVLSGDGRGGLAMQLVDPAGVVRGEAVVGSIHSSRIRCIATDPIGNSAGHGG
VGGELAVGSSDGTASIWRFMSSHFLPLRPRVYLSGHCSSPIYAVGLSASINAVTVSEK
RLCLYSINGSVIRIIEPPTDTLELPEGMEILSTTFVKSPAVASVQGFVVAVCETKMK
KTSRSVITLHLFSLEGVSLGSKALESWRGIPTRIVATPDGTTVLVCSGRGVTVHRVSAIT
PLAFIDEWQITESSEGEVDGYLSPGSGSRALDIDLGP SLNRPVIAAACTNGVLRHLALA
GISAYSERHKKVGLIPQGVGSLIKAPARGIKRVFGKASTIGTKAADAGKDISKEISSDVK
EKGVTGFLGGMFGRKK

>comp12670_c0_seq1; 528 1 970 LEN=1128; translated
XCKLQETMGVKEELEALRSQGVTKKNASKLKDASGLSTPEAEENAIKAEQERTRIGNYKK
DAEQNLQSYNEAKISVAKGGNPSIPASPSKGVPAKKESAKATPAPVSAPVSAPAPAAAAG
GADAEVEEPTLEEVPDLEEMPSMDAASSAATQSVAVPPPAPAPINRAERKARRMMEKLG
KAVPGISQVVLKMRGGGVRGGIFTIASPDCYEKNGSYVIFGEARQGGGGLGGATQAQQQA
QAIQQLAAMAKSDGSGIEMPAGAAAGGESPQVEKADTAVDETGLEAKDIDLCAQAGCSR
AKAVKALRENDGDLVNAIMSLTS

>comp12671_c0_seq1; 505 273 2191 LEN=2641; translated
MPLFPVHRIVSTIDSVPDLIYADV GKYSNIEEDGDEEIEIVDPLLKMSAAATGGTVGMLE
SSGAATIDKSGFIHPQHDLQKRSYDVMLMMLKPKPALGRKLMKINEDPAFPVKQAGGRNEI
TIIGMGTSTNGFAPKPDDELKQVHVDYLTYEECIKTNSFNLNYKFELFPHMMCTFGSGIY
SQRGQCYGDSGGPYIVKGRSAAEDTQVAVVSWAVNCASDVFPVMSRSTSDPHTLKFKEV
TCSMSTMPQGLCSEENNGASNLSRLNVPNGVTVSVRIFADPFGHELKWQLVDRSDEKL
VYAEIPYGMISGDHLFQDVVVPAGGELKFKIDDAAQDGI FGDSDAI LYEIVLQDQNTNNE
IIMVEGNGKFGNSKEEDFRVPLVGENTAAYFRAANEDVASDRYASVTGPTAPLKIYIKFA
DYHEDTAWKVTSDVGTKIFASKNANSYRLGDDVTEEVLDL PAGQYRFTISDRRGTD EYRAF
KFYQLSYLDRKTQRSGLTGGETIVYTS DGT FEGESISHDFVIPVAVDDSSSYSSSPADQ
GII FGELDLMDEAQEAPAVKVEEK PSEMAQDEEICTGVADGDYCVSNASCCSKFCRGRFC
QDPDNVKAPVSTVTGRQRVK TGSYGGYGGSSRGGGYARA

>comp12671_c0_seq2; 607 498 2645 LEN=3095; translated
MKRTHNTNSGFRMASSCLLLGLVLLASVSSLAKAESEESHLLRGRNLIIGGGTTGDRFP
YYVALK DANREIQCGGTLIAPDIVLTAHCRNSDLIYADV GKYSNIEEDGDEEIEIVDPL
LMKSAATGGTVGMLESSGAATIDKSGFIHPQHDLQKRSYDVMLMMLKPKPALGRKLMKIN
EDPAFPVKQAGGRNEITIIIGMGTSTNGFAPKPDDELKQVHVDYLTYEECIKTNSFNLNYK
FELFPHMMCTFGSGIYSQRGQCYGDSGGPYIVKGRSAAEDTQVAVVSWAVNCASDVFPV
MSRSTSDPHTLKFKEVTVCSMSTMPQGLCSEENNGASNLSRLNVPNGVTVSVRIFADP
FGHELKWQLVDRSDEKLVYAEIPYGMISGDHLFQDVVVPAGGELKFKIDDAAQDGI FGDS
DAI LYEIVLQDQNTNNEIIMVEGNGKFGNSKEEDFRVPLVGENTAAYFRAANEDVASDRY
ASVTGPTAPLKIYIKFADYHEDTAWKVTSDVGTKIFASKNANSYRLGDDVTEEVLDL PAGQY
RFTISDRRGTD EYRAFKFYQLSYLDRKTQRSGLTGGETIVYTS DGT FEGESISHDFVIPV
AAVDDSSSYSSSPADQGIIFGELDLMDEAQEAPAVKVEEK PSEMAQDEEICTGVADGDY
CVSNASCCSKFCRGRFCQDPDNVKAPVSTVTGRQRVK TGSYGGYGGSSRGGGYARA

>comp12672_c0_seq1; 258 164 478 LEN=985; translated
MRDSKTLVSI LEKQKTAGKRYAAVCAAPAVVLANGLLEEPGATCYPAPSFREKLTNPVD
DAVAVTGMVTT SQPGTSL SFALELGEQLFGKEKRDEIQKQMLL

>comp12672_c0_seq3; 295 1 688 LEN=1195; translated

XVPLPNVVTAMRNFAIALLLALGKRSQGFASKASYRSFYRTPTSLEMTKRVLVPIADGSEEI
ETTCITDTLTRFGAEVTVASVMPEGQLVCKMSRGIKFMADKSIEEAAEEEFDLVVCPPGM
PGAEHMRDSTLVSILEKQKTAGKRYAAVCAAPAVVLASNGLLEEPGATCYPAPSFREKL
TNPVDDAVAVTGMVTTSSQGPSTLSFALELGEQLFGKEKRDEIQKQMLL
>comp12673_c0_seq1; 323 283 2355 LEN=2587; translated
MIASNLSSTATSLLLLALSRMPSTTANPSDGGRRPNIIMQPDDFRFLDNWTPPPNTPDN
PNLADPFPVGLPNIERLRTNGLQMMQAYTGSPMCGTSRFSMTGRLPSRASTVISESGS
EGWIPSWITIPSTKLEGTDCSRDNLAVAFRDAGYYTAMTGKWHLSRIDRDNYDYDKAVDI
VKGCGFDHVDGLYVENMANGGENRPFNSYSDGTFSHNMEWVTHSAINFIKESSSSEVTSS
ELAQTAFRKTTFSSDPMHSIHSHTYIPLNFCISFCCARSXNTPFFLYVNPTVPHGSRGIR
EALTSFSCRDTANHNQVWESDPWIKGMSDGGCAAYRQTILDRAESDDDLGKIWLDDSVG
ALLTALEDNGQLDNTIFLQEDHGTDTKSALFEGGIRIPQFVHYPNFIPPSQRFDFGLVSV
YDIAPTMLDYAGISPPYQFDGKSWKHAI FNPTEEQNWKHSRCIFAEMQTDRAVRCGCYKY
IKIYDTEWSNTYWRAERHMLVGELHGNLYDLCDGTGDYITANDNNREAVAFVDPDVESAL
VNTLQCHLDRSHPQRTQDFSVCSAPFEPEPVPEPVPTQSPTTAGAFCDSDPLRVKFKFDT
EGVVEAGKCGSKKYWSHCRDSCGKCDKCTDSKQTLKLAEKIKVVTKKDGEKITKNKKSVT
CRAVKKAVNKKKLCCKNSDIAVSCVKTCGGC
>comp12673_c0_seq2; 324 283 1569 LEN=1801; translated
MEWVTHSAINFIKESSSSNTPF FLYVNPTVPHGSRGIREALTSFSCRDTANHNQVWESDP
WIKGMSDGGCAAYRQTILDRAESDDDLGKIWLDDSVGALLTALEDNGQLDNTIFLQED
HGTDTKSALFEGGIRIPQFVHYPNFIPPSQRFDFGLVSVYDIAPTMLDYAGISPPYQFDGK
SWKHAI FNPTEEQNWKHSRCIFAEMQTDRAVRCGCYKYIKIYDTEWSNTYWRAERHMLVG
ELHGNLYDLCDGTGDYITANDNNREAVAFVDPDVESALVNTLQCHLDRSHPQRTQDFSVCS
APFEPEPVPEPVPTQSPTTAGAFCDSDPLRVKFKFDTCEGVVEAGKCGSKKYWSHCRDSC
GKCDKCTDSKQTLKLAEKIKVVTKKDGEKITKNKKSVTCRAVKKAVNKKKLCCKNSDIAVS
CVKTCGGC
>comp12673_c0_seq3; 411 283 2220 LEN=2452; translated
MIASNLSSTATSLLLLALSRMPSTTANPSDGGRRPNIIMQPDDFRFLDNWTPPPNTPDN
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>comp12673_c0_seq4; 324 426 1712 LEN=1944; translated
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>comp12673_c0_seq5; 348 283 2469 LEN=2701; translated
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>comp12673_c0_seq7; 273 283 2461 LEN=2693; translated
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>comp12673_c0_seq8; 274 426 1818 LEN=2050; translated
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>comp12673_c0_seq9; 361 283 2326 LEN=2558; translated
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>comp12673_c0_seq10; 398 283 2363 LEN=2595; translated
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>comp12673_c0_seq11; 274 283 1675 LEN=1907; translated
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>comp12673_c0_seq12; 297 610 1704 LEN=1936; translated

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>comp12673_c0_seq13; 247 610 1810 LEN=2042; translated
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>comp12674_c0_seq1; 367 436 1362 LEN=1427; translated
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VHSVFFES

>comp12675_c0_seq1; 860 472 3288 LEN=3626; translated
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>comp12676_c0_seq1; 613 68 1306 LEN=1432; translated
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>comp12677_c0_seq1; 42 1 1064 LEN=3218; translated
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>comp12677_c0_seq2; 42 1 1064 LEN=3360; translated
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>comp12679_c0_seq1; 386 122 1636 LEN=1819; translated
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>comp12679_c0_seq2; 243 122 988 LEN=1058; translated
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>comp12679_c0_seq3; 293 122 1357 LEN=1926; translated
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>comp12681_c0_seq1; 687 192 2780 LEN=2911; translated
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>comp12681_c0_seq2; 774 192 2627 LEN=2758; translated
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>comp12682_c0_seq1; 114 206 886 LEN=1266; translated
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>comp12683_c0_seq2; 230 1 1244 LEN=1244; translated
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>comp12684_c0_seq7; 339 95 1967 LEN=4140; translated
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>comp12687_c0_seq1; 1097 87 3128 LEN=3304; translated
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>comp12688_c0_seq1; 754 1 2085 LEN=2118; translated
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RFVPWVGATRRRMNIKSDIDRPTNQCTTQNTQWTEVFTKPFRRPPVGGTYTIQPPGKPAE
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>comp12690_c0_seq13; 398 407 2752 LEN=3106; translated
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LEADVSMYFFIAYFSCADVGFVSVLYGVLIGGLTGNICVFIAMQARSKRFAAWKRPLAILV
IVVFAAGSWYTLADGIFYIANVWMPDKEDVVVEVALSASLVWVVMVTFHVAMYGWTKSN
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QANDKDDRRVGF AEDTKPPGDRNDPSGYVAPRDAPSCWKMFMTKVVEAFPFFCGCCLKK
KYQAISTRRLDYKKDAGDRTRFARFLIHIKRFFWYLLSFAFLFFTIVNIGASYEQCAARN
ALNSTFELLYPPDYRNSTLCAWDKPGPNATIKTFDSLQDVRDENYDVIHCGACGACSNWN
DITLQYTSRKYLAGVSKVCAKKSIFTRFNPNDDVVVQCNHQRIIGFTMNCSQAWAWDEV
HTKNRAVFTFLQANIANAFADMVITYQDITMATIDEALSGPRFVPWVGATRRRMNIKSDI
DRPTNQKYSTPRRRVFGVALRFCSRVSVCSTSAAPPKKNALVTFPLFLQTCCLLCARMH
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K

>comp12691_c0_seq1; 852 341 3169 LEN=3208; translated
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AMATDVNVSMTELLNEISGRINEGSTEIMEDITKVLDEQLQLSDAKSQELSVYVADLANK
IRKAQEEEVQRQIEELEKIFVDPLERVAFSADAPLYEMSDKKPDAFNGTDALDLQPKLVLA
GANSTLRRSAQKGTTELKELISNLNVAPLYYSVALIYRWASKSKKTLAMPTLYLLSAYKALA
NVIKTSGGPKKSNRKKEDTTYEQYLKEAEAFQSGWKRTGEIAAKGPWAKKWAVLRRSAEV
WAYFSSFYLKDRRICKKFESGKWSEEKFAERSRLGAEITQNLRLGPTFIKVGQLFSTR

IDIVPKEYIESLKLQDNVPPFSGETAVQIIERELGKPIDQIYDTFEKKALAGASLGQVH
LATKGDQKFAVKVQRRYLKALFEVDLGQLRQLAVFADAVIDMTSEGGLFDQNTQRDWVSVY
EENKRLLYEEIDYTNELENGLKFSKNFDPKPKWRHIRVDPVPEYSSSQVLTMEYVPGVKI
TDMEKINELGLDPVDIATKSAEAFLEQLCRHGFFHCDPHPGNISVEKGPDKARLIFYDF
GMMDSFGAVERKGFVDFMFAVYYDNSVKDACDALERMGLRTPDLDRVAIERVGQDFID
RFQSTLRKDETWETDLSEEEQKKIIRQRRSQLGEEFLSLNRDSPFIIPPTWTFVLRAFFT
LDGIGKTLNPKYDLTRIMVPYLKELIDLKDGSAKTTLLRIGKRVGLRPEDINQFITQPR
RTAKVEDIADRLEKGFKLVRRALEVERQNERSKIVLQNSYEVIIFLGVLLQAGLGLLTAG
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>comp12691_c0_seq2; 729 341 3262 LEN=3301; translated
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AMATDVNVSMTELLNEISGRINEGSTIEMEDITKVLDEQLQLSDAKSQELSVYVADLANK
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GANSTLRRSAQKGTTELKELISNLNVAPLYYSVALIYRWASKSKKTLAMPTLYLLSAYKALA
NVIKTSGGPKKSNRKKEDTTYEQYLKEAEAFQSGWKRTGEIAAKGPWAKKWAFLRRSAEV
WAYFSSFYLKDRRICKKFESGKWSEEKFSASRLGAEITQNLRLGPTFIKVGQLFSTR
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LATKGDQKFAVKVQRRYLKALFEVDLGQLRQLAVFADAVIDMTSEGGLFDQNTQRDWVSVY
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KWRHIRVDPVPEYSSSQVLTMEYVPGVKITDMEKINELGLDPVDIATKSAEAFLEQLCR
HGFFHCDPHPGNISVEKGPDKARLIFYDFGMMDSFGAVERKGFVDFMFAVYYDNSVKDA
CDALERMGLRTPDLDRVAIERVGQDFIDRFQSTLRKDETWETDLSEEEQKKIIRQRRS
QLGEEFLSLNRDSPFIIPPTWTFVLRAFFTLDGIGKTLNPKYDLTRIMVPYLKELIDLK
GSAKTTLLRIGKRVGLRPEDINQFITQPRRTAKVEDIADRLEKGFKLVRRALEVERQ
ERSKIVLQNSYEVIIFLGVLLQAGLGLLTAGSGFRGAKPIGKLLLGAASILTARVPLNLLK
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>comp12692_c0_seq1; 291 47 514 LEN=1233; translated
MKISSIFFILASQAFASTVPVQRAVPKTMNLMSHDDTETVLATAKDCAEGECTLDEIDG
LVSLKDKDQKQKASDRLKEIKDKMSLETVNGSDDRSVDEIRETVRAIYRIFQLGDKASGN
DYPALSKPMGWTGEVGSPTTAYDALPPKPYKKS

>comp12693_c0_seq1; 290 1 854 LEN=854; translated
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IQSIHPAATNAAAAAAKTTTTETIQQLPSAGEAVQSQAKEALENGYKVMASGFTRGGG
SSLPGFAETNSLLAPHVSPYPMSGTVTGDYPMFELGDRALALS YWLLLEYVQRLPYIAFAYV
LVEFFFLRSDVDLYKEDVEDDP SGVLAETVSDTGVRVGLFLVLTFLTYVVFESCDAMLCG
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>comp12693_c0_seq2; 390 200 976 LEN=1206; translated
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AVQSQAKEALENGYKVMASGFTRGGGSSLPGFAETNSLLAPHVSPYPMSGTVTGDYPMF
ELGDRALALS YWLLLEYVQRLPYIAFAYVLVEFFFLRSDVDLYKEDVEDDP SGVLAETVSDT
GVRVGLFLVLTFLTYVVF

>comp12694_c0_seq1; 507 221 2017 LEN=2091; translated
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AMEQKNRNHVVDNHSDDHNRNSQGS DNGNIIAKTSVATILSHAGIEICHEGSIEMVGTSK
NFPMPSPPLHTATTYTRPPDGIYKDGDSIYARMDNPTRLLEKCFELEC SHPMFSSEKNT
ADNIPMKTSFAFSSGMQAVTTILLAHSTSSSPLSTGSTMTVLI PKDVYHGIRSLSDVFS
RHGVEVIEINMVTLGKNENGADNESGAVAIQNAIYDIAAAVTKDKYDRRGVDGNETDQGN
KNDRHNVILWMETPSNPKCEVTDIEAICNSAQSAARWKNVIDVTTVVDTGTMASPIILTRP
LELGADISFHSGTKYLAGHSDALIGTTLSPITPRGQILAPLIRSVQIAGGGVSPWDSW
LTLRGMRTLHVRVERQCKTAMKLAEYLYEKMQLAAERSDRDPTTKVAAVQAVHYPLPSH
PQHDVANRQMASTPPKSDHNSAAMQTN CYGGVLSFEMANEVEATAFAGAVQIAQRATSL
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>comp12694_c0_seq2; 320 983 2125 LEN=2199; translated
MTVLI PKDVYHGIRSLSDVFSRHGVEVIEINMVTLGKNENGADNESGAVAIQNAIYDIA
AAVTKDKYDRRGVDGNETDQGNKNDRHNVILWMETPSNPKCEVTDIEAICNSAQSAARW
KNVIDVTTVVDTGTMASPIILTRPLELGADISFHSGTKYLAGHSDALIGTTLSPITPRGQI
LAPLIRSVQIAGGGVSPWDSWLTLRGMRTLHVRVERQCKTAMKLAEYLYEKMQLAAERS
DRDPTTKVAAVQAVHYPLPSHPQHDVANRQMASTPPKSDHNSAAMQTN CYGGVLSFEM

ANEVEATAFAGAVQIAQRATSLGGTETLIEHRASIEPPESIVSPLGLLRVSVGLENAEDL
IRDFDSAFAIVERVMTTNS

>comp12695_c0_seq1; 127 742 1128 LEN=1732; translated
MSKESSSHNKTESGGLHIAVSVFIGLVVTLVSVLVGYVYVARKIKLRRGEAGDAAQNSTRD
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DKAGRDL

>comp12695_c0_seq2; 84 154 891 LEN=1495; translated
MSKIRKCPDGHRCEGSSCAEHPTEEGSYCDCGTSDFAGLFCFCEYEAETYCQMEQETA
SHSFCSNRGTCVLTSTNNGGAQWNCDCPAEFEGPHCQFVTGNVPRDWPFGDFDPATGTMSK
ESSSHNKTESGGLHIAVSVFIGLVVTLVSVLVGYVYVARKIKLRRGEAGDAAQNSTRDHSE
AVNKLEADGGVLQEIMASFARSPNSTIPQSNNGNGNHNGSNIDPNQVEVGLYSKPRRDKA
GRDL

>comp12696_c0_seq1; 245 72 1034 LEN=1345; translated
MAELKLIKTLWGIDDPVSPELFRSIRDEGYFGVEVIRLCWIDEKSADVLVESLNEAGLGC
VAQIHTAGGYIDPVTGQYVYCGAYDVSVHQDDFCQQLKECRALFDRVVKQCFVNVHAGVD
AWSSDEAVQFLGFCLDEIEQARASSPNLTVTFETHRQRLFGSPFQTRDLLALPELAESKH
LRLNADLSHWYCACERVFNPSEEDRDRWWPGVLASISPRCEYIHARFGWAQGPQMAPPSA
PECEQDRKLQIDIWKELVKAQLEPHTMSSGGGPRDVFVSPPEYGPAPYLTAAPHTQQPIASL
PGAVLYTKGIIEDLFLDCNK

>comp12697_c0_seq1; 562 300 1988 LEN=2268; translated
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LRPFVVISSSYLLFTVTDGAIRMIVLLHAYNKNFSALEVAIMFTLYELAGVVTNLAAGLL
GAKWGIRFTLIAGLTLQFLSYGLLFGWQDDWSKTESIVYVTFQMWAGVAKDLTKLGGKT
VTKLVTPEEQNTKFLKLVSLITGWKNSLKGVGYFLGSVLIGISYELALGFMMGLVVIAMP
WAIFGLDKNLGTAKKKNASLSEIFVLDNLNLNLSFARLFLFASRDFWFEVPLPFFLRSP
SCIGLGEQCTVDGDCMQGAVCVSDGLCTNINTGGCGGLGLPRGVVGAFLGGYIILYGO
VQSWTPQLVTGPLQQTTPNKLTEILWGLINCLPTYVMWLVIITFGSVFQDYDRDAMTAWLV
SVIVSFAIIFAINSSVHSFLVVKYASTDKIAVSVGLYMSNAVGRLFGTLGSGFLYTYIG
EDFGDLAGSDAVAGLAACFLAGTVSSLLAALITYKINDQDEGLKCGSCWTIRHPELNACA
GDEHGSIDTIKEGPPSSDKRGG

>comp12698_c0_seq1; 212 1 615 LEN=887; translated
TDTIPQRCQNIDPNPSPPTQLFLADGTKLRQVERNPNQPNQPNATPIQSEPIAGMKLSA
LPLLGLLARSPAATAFLPSRPAPRATATALSESILEAEDRFLAQAMEAPLSPRDLPEVVY
TIVYNPGTPEEGVHTMKHPRGSDGELLFCFEGMADCVLFFARTIKEDPALDQEP IPTPTSR
EMIQAAEGMGRMEIVPMDIQTQW

>comp12698_c0_seq3; 78 1 92 LEN=781; minus strand; translated
XGVKGITVEEVAERCYANSMELYGNAFGKA

>comp12699_c0_seq1; 155 216 1658 LEN=2094; translated
MTVVLPKSTRSSRNRI SGSTSIPTSTRNLLQHPGAYRWLFLVGVLLCHRLLNESRMLR
IIDFGISSLEATRDLQEHDCPRQKRPLAVVHVGPNTGSNGIQHLVLQFMDQMKHEHDK
YVVPVPPGGPNEIDITAYDYYYAKDNTRDLPIDKNTAHLAGCLNPNLGGWCKSFVANFE
KFLYRADCEASNIVFSSEEFSPYIEISLLKLLLEPSFRVRIVLYHRRFDLWFRSMHNEF
VKSTRDLHGDGVVFPITDKWLATNGVLGTQGMWSPVAVYRRYSKHFSNITVIDVDRKAT
GTTIEESFFCNGIPDAPVTCRTIRAWAGSMGNQKLPANPSQSLYEISVLGALRAQGYNVT
KKAETAIRARLRGSHVFDLSKVC PGKDRLOKFLNMSLSFERELADALADPSWNFDKAL
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>comp12699_c0_seq2; 206 667 1262 LEN=1262; translated
MQIHRNPTNDDSAAGEIDSPTIKMDYPSWKLGKTNLSSSDHEEHAGLKS PASPTLVSRAN
SPANKEKERKRARAKKAKAKAKARRKRLDSDSDSDSDSSSESDSDSDKYRKARRASSR
REGCGWVLKCVCLGAICGLVNVVIMESNLVKLDNLNYKDLKLEGKLDLKLKLEKLGKLD
NLPRIEIHYGDESPQSKTP

>comp12699_c0_seq3; 509 1 1798 LEN=2319; translated
XESPOKTPRTVKKNNWVKASSDSTDKDIWKVKPATIKKIVTKDKVQKFRRDDDEDKNGAK
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SSLFTTVSRTVFHQLAEDALRAAKPVVDDVYTSCEIYLMPPNEDEGAKKDEAWKPRVQFK
CLGKGNDSVSKLQDKMCHTANICKVVFDEEAWEKELKVPLDLGYKKYEAVEAARKHRVH
PKKSAIIMVGDLDYLTQDDVFKATLNKASYAYRSSHSFYLWIGELKSSVLDKREIESVG
PALGARCADKHLPNMHHYKPIAFLVLLDMLPKSHSTSIFYMDADAEFTTLAFAEHMDNRL
NYGIGPESYLEVSPQASLLATQNIKGKMLMNSGIMLLRNTRWARELSAIWWHARCGSKDQ
LGLWIALFASLSAWTTDVPSPDNKKEAFAPTQSYPGQIFFTYESA IHKTFGHFRNNGHK

IQAAWEEITEHQKKNGLKNDSDGYNLPIPTNTKLYNGGTYPGLLPILRGAMELPHFVIA
PQAPIRYNYDKAANATGDENANTLLLLRLKSEGDNSFVAHSKALESCSKQRCWPFLEK
>comp12700_c0_seq1; 336 158 1294 LEN=1500; translated
MKAADVYKFNPEIEILVTPKPKLSSSTSVIVQVMATGVCRSDWHGWKGHDDDIKSHGFPF
IPGHELSGIIVKTGRSVNKLRTGDRVAIPFILSCGSCAECHVGKPTVCLKQEQPFGFTMLG
SFAEFVEIKRADRNLRILPKGVSFVEAAALGCRFTTAYRAVIQQGLGMRNKNRPNDFRGS
SNKITACVFGCGGLGLSCIMIAEAFREEGNIESIIAVDVSDKALDKALTLGADRAVNVKS
LGMKDDAVRMKVMYEYTNGLGADLTIDAAGFASTCENAVHTCRRGGRMVQVGLPIGGRPPQ
IPMGAVAGKELEIVGSHGFAATELPDLLGFVESGKLRVRQLVEKEVNLREGIEALMAMDR
QSPLGITVITRFDDTSRL
>comp12701_c0_seq1; 617 305 1963 LEN=2170; translated
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NKRLSSVLKTKSTTKIRPSPMDRVGTVMKKKVEALETSQTNLEKKLQVEIDRRSSLQAT
HEKLSDFQTQQTSQLERMIASRDAFRAQVITLKKTIIEEQINHMKAIVSTMKNATKTMIES
LRSKDKKEESMAEIKTLEKRLRQKEERYQQSESLVKSLTKEVEKLNADLKTRQGTHEVAMK
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KMESDKADLENLIEMKKLRDELREKLEDASGELTQLHRQVEEALTASKTSEEKLRDQLT
AYKALQSEKKYLERRMSDAKDIPSTATSTKELQVTIQKLESEKQALEQRANSSDENCKRV
KKLLEGTQMEKLGLEQNLEEAERIESQNEILKKDLEEANNGVSCLEKLDVCESSNANLL
VEVATYREKVRDLEGRLEEELEERDYCDQGENTDGMKKRDNDEDDDNESPRKRPKMRVDD
QDQCVSESEIAM
>comp12701_c0_seq2; 178 305 1339 LEN=1339; translated
MDSIAALRSVLMMLDTPTRVALSGSQPQRQPWISPMQAQAKSPDSKKKSPVERTPLGKPPMS
NKRLSSVLKTKSTTKIRPSPMDRVGTVMKKKVEALETSQTNLEKKLQVEIDRRSSLQAT
HEKLSDFQTQQTSQLERMIASRDAFRAQVITLKKTIIEEQINHMKAIVSTMKNATKTMIES
LRSKDKKEESMAEIKTLEKRLRQKEERYQQSESLVKSLTKEVEKLNADLKTRQGTHEVAMK
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>comp12704_c0_seq1; 92 168 698 LEN=1143; translated
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EVAWNTYDMVTLEQRPPHWKLSLAVEWAIISIYFVVDVINLMLQWRGVVNGNGDEELGSGL
FDAVQGIIVTYSYLAASSFLAYETSIPYQPIQDVTPLYPWPMNSVQPDPIRNTGV
>comp12704_c0_seq2; 92 158 688 LEN=1133; translated
MSDNHHTGSLWTLVNLIVVFLSVILATDIVFAVDDRQERPGAIAEHLVYVNGTSLVWVA
EVAWNTYDMVTLEQRPPHWKLSLAVEWAIISIYFVVDVINLMLQWRGVVNGNGDEELGSGL
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>comp12705_c0_seq1; 181 240 1665 LEN=2196; translated
MAQRPRDARIARPSSLGTGGTCSRGSSTSLASSSSMGDFFNPTETHAQLRTMLRDFVKN
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LCLSYLAHSLLLVNNLSVNGSKEQKERFLPSIVTGEQIGGMGMSEPNAGTDVLGMSKAV
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PENRGQAGNAGFGTFMYDSQYYLLEQFGVVDFLSLFIYPWLRTQFVLYFSHCKQPTAEL
VFDDVPIPPENIIGE VNGATLCMMRNLEIERIGLAAMALGIARRCINVMTHYATHERRAF
GKPLVDFGQIQSAISTSYAEYMAGRSYVYALARSLDLNSYGNGLDADGTKLYCAPMAKTI
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>comp12705_c0_seq2; 240 240 1756 LEN=2287; translated
MAQRPRDARIARPSSLGTGGTCSRGSSTSLASSSSMGDFFNPTETHAQLRTMLRDFVKN
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LCLSYLAHSLLLVNNLSVNGSKEQKERFLPSIVTGEQIGGMGMSEPNAGMYCDVQGLCRS
SVASEGHRHNXAAGNSLDVVTHIFFVTRYNLNPNQSNDEQSNQRIDSXYNAAFFQTKTDL
TAGTDVLRHMSSKAVRDESTGSHWLTGRKMWITNGTLDGGKTTGDLFLVYARTGPNRSDVT
SFVVEKDMPGFSVGQKIEDKLGMRASPTAELVFDDVPIPPENIIGE VNGATLCMMRNLEI
ERIGLAAMALGIARRCINVMTHYATHERRAFGKPLVDFGQIQSAISTSYAEYMAGRSYVY
ALARSLDLNSYGNGLDADGTKLYCAPMAKTIADRAIQVLGGYGYVGEYNVERLWRDAKLL
EIGGGTNESSHKMNVRDLKRMPELE
>comp12705_c0_seq3; 166 1470 1886 LEN=2417; translated
MALGIARRCINVMTHYATHERRAFGKPLVDFGQIQSAISTSYAEYMAGRSYVYALARSLD
LNSYGNGLDADGTKLYCAPMAKTIADRAIQVLGGYGYVGEYNVERLWRDAKLLIEGGGTN
ESHKMNVRDLKRMPELE
>comp12705_c0_seq4; 314 240 1535 LEN=2066; translated

MAQRPRDARIARPSSLGTGGTCSRGSSTSLASSSSMGDFNPTETHAQLRTMLRDFVKN
EVEPQALEFDRTE TLNPLQLGDLGLLGLTAGEEYGGAGLDASAVALVHEELSYGDPG
LCLSYLAHSLLLVNNLSVNGSKEQKERFLPSIVTGEQIGGMGMSEPNAGTDVLGMSKAV
RDESTGSWHLTGRKMWITNGTLDGGKTTGDLFLVYARTGPNRSDVTSFVVEKDMPGFSVG
QKI EDKLGMRASPTAELVFDVPIPPENI IGEVNGATLCMMRNLEIERIGLAAMALGIAR
RCINVMTHYATHERRAFGKPLVDFGQIQSAISTSYAEMAGRSYVYALARSLDLNSYNGG
LDADGTKLYCAPMAKTIADRAIQVLGGYGYVGEYNVERLWRDAKLEIGGGTNESSHKNM
VRDLKRMPELE

>comp12706_c0_seq1; 213 161 640 LEN=836; translated
MKTVERDADTNRNKNLREYNESEIEAIMDNYVIHCASVPKPLLDSSQAAKAPENPFMKKL
PPYLQEVDRVPCDLGKQYVYFQEFFNHQKKAETTGVIVMSRKRRLPEPVYLRNFRKKLP
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>comp12706_c0_seq2; 219 161 652 LEN=937; translated
MKTVERDADTNRNKNLREYNESEIEAIMDNYVIHCASVPKPLLDSSQAAKAPENPFMKKL
PPYLQEVDRVPCDLGKQYVYFQEFFNHQKKAETTGVIVMSRKRRLPEPVYLRNFRKKLP
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>comp12707_c0_seq1; 844 1 3530 LEN=3641; translated
XSLLRSELMSPKRLAASDASRGGETSPLSVKYTEADANRDKRDEPCSEGVDMNALSVST
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LGSFAWIPPPPPPPQRVPLQQTAKRCRTTSVTRRPKTPKPIQVPMLCKPMEAPSPFANQG
RHLVTILVVRDPRTKESFGVNLKIHTESALVDREWIDAQQKSKARKPKPDETGSTIINTK
PEVMGASVPXKSLEVVPKTHQPPLIHTSGQSKQLTGKLLPKTDTILSSAVHAKREPKAN
GDDQDKTFMAMCHNAEIKTAIARNHTLIRADKEKKEPIQTTCSVTPTKNEMPTNLNSNA
NIDCGKSDSNDIRAVIKNCVEFLVSSVSSSQKEADKQTVSMDTRNIVQKRKRKRVRNFSV
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QTRVVVARKPEMTAPVNTLSADTSNSVTLNPVVTSLSSSTPSAPLPPENTSMVFSPEEL
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TRLIDYELVEKGNHWTKKFRQEFGNEKLPFSSDVERNAMRHLRPLKGCRCCKKDDHEYV
SDPKCILYRDLQQLSKEELKELRLHTKNKFIKPKSKDLNAVESAFKNRMLKLNATENE
SIEARFVDKMEEIQVKELHQAVFAPNLTTIVLSTIFELQREFHVSVEEDKDEDMNYNAN
EEQEDDVPLECLGKRGSDVQSAADTRKQKQVDGGGPNFCMEYLVRMLNYSVKTWGHCYRE
PNTDEYAWRWELFHAVHSDHDQWEAHATNPRVPDSFPFENVRFGLNSSKSTDNKLSSFPK
TIRQFEDSILSNAPLALDVPNKTLEQFSIAVHLLSPARSGFDELIALKMGIIQVSASGI
PILTGDWWTKIDIVVLDMLCSWSTKADPDSRYCVNEELRDTLEEQVWVKSQDYGWALLENP
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>comp12707_c0_seq2; 427 1 1445 LEN=1445; translated
XTNGKCHTIYSVYRSVSGSSQHERRFKEVPPRLRSXVARHGSSKSTRPFRVRQLPACREM
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KTVPVAAANRKTETSANPKASPSPLAYNKNAANRPRVSPQTSSTKVERKISDSSRGSNS
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RRRLAEQKAEERKTALLAEKEKVKQKQAEERERLARLKEERTRKQLERERKQREKEL
ERERKQKEKLEKKEERLRLLEQKMEEQKQKAEAKYQRDLIWKI HQQRWMEQQQRIHYFQ
QQQLLQQRQTHHP SHNQYQFFPNQQRQQLYQYEGQHHQONQHQYKIEKFSAGKSPLFP
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AIX

>comp12708_c0_seq1; 374 151 1254 LEN=1292; translated
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ARCNP LSAAGVDAPVTSSKGAVGLYKFFADHAVEQLLGT EWLQIDDKVPTDLSEKQAPAR
GSKIESTVRITTKALIPSTKFDGKPLVRYARITLLETVPVSCVDDAVSVEGIQVLNFV
VLPNADTTLPVLGIDLVSPLPGKHL LLLDAQPMVAVPNPHE SHWEEWYSMHVANNTDNPEKD
GDEPLKYAWGGDFPDPVKTYVSKYALWTR LQNI AVSSISDDNASDESVAATPAIQRDIFD
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NVLFPRE

>comp12709_c0_seq2; 274 142 1339 LEN=1339; translated
MRFPD TIATASVAPLLLLLLVQQLPTAEACPGGLNPPDPMSTANGQPCS YQQCLY YAA
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PPTAGPTSGPTAGPTASPTTADPTGAPTAGPTRDASC SAVSACAGLVGNCCPTDQGEFLG
CCDGLTSPSPDPVAVPTEAPTAAPTEAPTKAPTPPTPLPTEDPTGAPVEAPVVPATPE

PTQKEATSEPTAASLSQDIAALMGNPNSGAARRGFATALGAAALXRGGGLLATLLGTDWQG
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>comp12711_c0_seq1; 449 75 1127 LEN=1127; translated
MAQNPLLGNRISLISKKNIRYEGILYSINETDSTLALQNVRSYGTEGREKSDPSTAFVAP
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GNSRRKGAAVGTGASLLNRKARGAVEGGPGPQNPEGEFDFQAKLEEFDKESDDTAVNEED
NDEAGDEIAYPQHNSNSLSSSSSHYEKQDFFDSSISCDTLDKQSGIDNRLRGKAERSLNTET
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>comp12711_c0_seq2; 345 882 1819 LEN=1819; translated
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KVPSPSRNQNPNGKNSQRRSGNSRRKGAAVGTGASLLNRKARGAVEGGPGPQNPEGEF
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>comp12711_c0_seq3; 324 75 1308 LEN=1308; translated
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DEAGDEIAYPQHNSNSLSSSSSHYEKQDFFDSSISCDTLDKQSGIDNRLRGKAERSLNTET
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>comp12711_c0_seq4; 147 882 2000 LEN=2000; translated
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KVPSPSRNQNPNGKNSQRRSGNSRRKGAAVGTGASLLNRKARGAVEGGSCVELVEFEL
SLFAPSDVCERRIELHLVDNLFWNQLSSVYKFVLSIAIELMMAFCAIEGPGPQNPEGEFD
FQAKLEEFDKESDDTAVNEEDNDEAGDEIAYPQHNSNSLSSSSSHYEKQDFFDSSISCDTL
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>comp12711_c1_seq1; 244 1 1145 LEN=1437; translated
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VSPSFLPVAATITPTSSSSPPRSTARGRRSDKVDPNNDNHPVHTNNFVRTHSEASDPKNE
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KDGRHLHVNESLCAVLRLLDPA
>comp12712_c0_seq1; 265 69 1450 LEN=2154; translated
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RQRSKPWIMALLMHRYDRGIRCPNELNTDSVYYGDQQTQSTSTGEAIIAIDLREALTPS
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LGTEANARRLSKQDPASFLAIFSRVAVAEVEGRTAAETRPADFSHRRFRPPSLRKSIVYRA
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>comp12713_c0_seq1; 319 127 879 LEN=1008; translated
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TMHPDYDEETTRFDVMVLKLNESKMGKPVIEINRNDYVPSDGTILTUVGMGYNGDWELPQ
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EYDRQIGLVR
>comp12713_c0_seq2; 251 127 1002 LEN=1002; translated
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TMHPDYDEETTRFDVMVLKLNESKMGKPVIEINRNDYVPSDGTILTUVGMGYNGDWELPQ

AVQETTVEYDVNSECSEIIDEHGITLDGDLYPDMLCAGSPGKDSCYGDSGSPLILKGVTE
EYDRQIGLVSWSGYECAGTLPVYSRLSYWRVYEFIEEHVCLHSVEPPSYMHC
>comp12713_c0_seq5; 319 127 879 LEN=1146; translated
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YAQVSLQWGEKGHCQCGSLVAPDMVLTAAHICIGSFNKIEIGKYMKNLILDESETFVVSFSE
TMHPDYDEETTRFDVMVLKLNESKMGKPEINRNDYVPSDGTILTUVVGMGYNGDWELPQ
AVQETTVEYDVNSECSEIIDEHGITLDGDLYPDMLCAGSPGKDSCYGDSGSPLILKGVTE
EYDRQIGLVR
>comp12714_c0_seq1; 348 1 549 LEN=790; translated
KGSATNNAANESKNHSTNAGHNANHENNNHKGKNTDNTNDKSENHEADHSHNNMVIYVGFN
SSIYSRNATEISNQDATDAKTTTAPSSDSKPVTLFVSVATAVLVVLMAFVAGRIKLT
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LV
>comp12714_c0_seq2; 341 1 602 LEN=843; translated
XSENNKANTSQSVTNGNKGSAATNNAANESKNHSTNAGHNANHENNNHKGKNTDNTNDK
ENHEADHSHNNMVIYVGFNSSIYSRNATEISNQDATDAKTTTAPSSDSKPVTLFVSVATA
VLVVLMAFVAGRIKLTVRKWRGKHVPPPGMAFPTDIGVIEGAEPNLRHYHDDVNHDDDY
HDDVNDGDYHGVKRTLV
>comp12715_c0_seq1; 433 164 1750 LEN=1806; translated
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AVVSSSDCQHDDSPAILTTDVEEIIIDIVIEDENLDENSTEASSDARQQQTGLDTSIDI
KRPSNPLRLAFSQENRRSLLASAMVPLMWSSGGFYVSFVWMAIFMQDLIDPPVPSAFLVNS
FGILMLGIWFPLAGLLSDFVGRRSVMTAGGLTFACLGPIFVLLIGNMGSKSLWIAFFSQM
GLGISLAMWGSMPMAWLVESFEPQARLTSVSIYGNIAQAFAGGMSPLVATLLMDEIGLGA
PGILLTTLGILSLTGLVWVAPSNGYNRQPQGDCCNAIGTFNMELSEIT
>comp12716_c0_seq2; 124 50 196 LEN=1602; translated
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>comp12716_c0_seq3; 120 50 185 LEN=1602; translated
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>comp12717_c0_seq1; 280 186 1160 LEN=1486; translated
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GPFPTHCVMGTRGSFFHPRIAETLQPLLALAQNGRDGDDKSNTNRNTHVYKGFYKGVES
FGGFYPNSNDKWKERLSHQSDDAVDWTGGYALKASNIGADANASPDVLSFLDKKPSSSL
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>comp12717_c0_seq2; 199 426 1016 LEN=1342; translated
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ENDKWKERLSHQSDDAVDWTGGYALKASNIGADANASPDVLSFLDKKPSSSLPTSNEGE
GRVFCCLAMDYCVLDTAVNFVQTVQNNNSCFLVQDLTRAARIPLGLGAFGSGFLTDPSV
LESKANKIGLVRFTD
>comp12718_c0_seq1; 146 600 863 LEN=1810; translated
MLLSYYILIGRDEISQTQQQGYNSIDSQSPDISSLTDTKYGGEPSPSFQQDPNLQARQQ
LQALGPQQNQHGYSYPEKTAGGKIMSV
>comp12719_c0_seq1; 314 589 1158 LEN=1395; translated
MSEESKTPDGDYVMMGSGAATPGGAKMSMNIDDPNLSQEDKDHRLAIALQQEENAAVYAA
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SESLAGMTPQQIADYQLAKELQKVEQVQVAGTVQEMSKIQT EEEDEAKAQHRVERSNYHI
NQHGLRKP
>comp12720_c0_seq1; 972 158 4320 LEN=4968; translated
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GGGDPQELPVLATNALSRITQALGRAVADTFANLLSAIGCLLVSIGLDPPLAIFMLCVLP
VIGIAIGIVSCFMRKSSGRALSEFSAAGAFASEVLTGIKTIASLRAETWAVDRYTDHALE
AQKHSIRSQVLSKLAAGVMGLLFYATYTC AFLIGTEQAAQRVEVEATYVSPFACYLRTDC

GIHGSEVMVCIYGVILCAQFIALMNPGLNAINLGRATAAVDIYSAIRRTPSIDGINGDKGT
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LYDPLGGHVLVGGXPLTELNLKWWRSQIGYVPQEPSLFPGTIWDNIASGKANGVATDEEV
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LDTHSERMVQEALERIREARKLTTITVAHRLSTIVHSDQIAVVAEGAIQELGTHKELIQE
GGIYALLCEGQGLTADAADVKESSLPEVRTQPKGPIETNM SHMPKGNYYDDIEAGKISD
CEEEDKDDSDTNLSGVT SRLWAYNKKDVCYMLIGYIGGIIVGALPACEAILFGFITGNFF
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MGWFDFPEHSTGELTTRLEEDSEAVSNVTGWQQQQRVQVFANLIIGMLVAMIYSWQIGII
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AVMFSAFGAGQTGADFS SHRTGLEAAARLFELIDGSVDEDDPLSTVGEKPRKLQGS LKFS
SCHFAYPTRSNAPIYYQKGGRDGFSLQISAKQSVAF TGRSGCGKSTALQLVLRFYHVD SG
TVELDGKLI SDFNLGWL RDQIGYVGQMPVLFKGTIIDNIRLGKPTATEAEIVEAAKAANA
HNFISKLSGDYNTDIDAGGSLLSGGQQRVAIARAVVKDPKILVLDEATSALDNESETIV
QAALDNMHQKNPRTTLVVAHRL ETVKNC DKIVVLDRGGVKEEGSHSELLRQKGLYHTLWS
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>comp12720_c0_seq2; 891 158 4420 LEN=5068; translated

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GGGDPQELPVLATNALSRIQTALGRAVADTFANLLSAIGCLLVSIGLDPPLAIFMLCVLP
VIGIAIGIVSCFMRKSSGRALSEFSAAGAFASEVLTGIKT IASLRAETWAVDRYTDHALE
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GIHGSEVMVCIYGVILCAQFIALMNPGLNAINLGRATAAVDIYSAIRRTPSIDGINGDKGT
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LYDPLGGHVLVGGXPLTELNLKWWRSQIGYVPQEPSLFPGTIWDNIASGKANGVATDEEV
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LDTHSGKTDYVLSLVLFXNMLSSFFQISNDAEYFLNKNEWXQEALERIREARKLTTIT
VAHRLSTIVHSDQIAVVAEGAIQELGTHKELIQEGGIYALLCEGQGLTADAADVKESSL
PEVRTQPKGPIETNM SHMPKGNYYDDIEAGKISDCEEEDKDDSDTNLSGVT SRLWAYNKK
DVCYMLIGYIGGIIVGALPACEAILFGFITGNFFIITDAEELRSTNFTLSLWFLLLAGAS
FVANIAMGVGFGVSGFRLTRMRVLFVEKIMRHSMGWFDFPEHSTGELTTRLEEDSEAVS
NVTGWQQQQRVQVFANLIIGMLVAMIYSWQIGIIAICCIPIFILGASIMQAKCASRKPIQK
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QFSVFSTFALIFWAGIQLMINGKLAFTDFVALLAVMFSAFGAGQTGADFS SHRTGLEAA
ARLFELIDGSVDEDDPLSTVGEKPRKLQGS LKFS SCHFAYPTRSNAPIYYQKGGRDGFSL
QISAKQSVAF TGRSGCGKSTALQLVLRFYHVD SGTVELDGKLI SDFNLGWL RDQIGYVGQ
MPVLFKGTIIDNIRLGKPTATEAEIVEAAKAANAHNFISKLSGDYNTDIDAGGSLLSGGQ
KQRVAIARAVVKDPKILVLDEATSALDNESETIVQAALDNMHQKNPRTTLVVAHRL ETVK
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>comp12720_c0_seq3; 946 158 4436 LEN=5084; translated

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LIDQMQLINSFAIVGAATLV TGT VYVSIWSYVGENQTLRIRKAFVKSALRQEAAWFDTT
GGGDPQELPVLATNALSRIQTALGRAVADTFANLLSAIGCLLVSIGLDPPLAIFMLCVLP
VIGIAIGIVSCFMRKSSGRALSEFSAAGAFASEVLTGIKT IASLRAETWAVDRYTDHALE
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GIHGSEVMVCIYGVILCAQFIALMNPGLNAINLGRATAAVDIYSAIRRTPSIDGINGDKGT
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LYDPLGGHVLVGGXPLTELNLKWWRSQIGYVPQEPSLFPGTIWDNIASGKANGVATDEEV
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LDTHSERMVQEALERIREARKLTTITVAHRLSTIVHSDQIAVVAEGAIQELGTHKELIQE
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CEEEDKDDSDTNLSGVT SRLWAYNKKDVCYMLIGYIGGIIVGALPACEAILFGFITGNFF
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MGWFDFPEHSTGELTTRLEEDSEAVSNVTGWQQQQRVQVFANLIIGMLVAMIYSWQIGII
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GLEAAARLFELIDGSVDEDDPLSTVGEKPRKLQGS�KFSSCHFAYPTRSNAPIYYQKGR
DGFSLQISAKQSVAFTRSGCGKSTALQLVLRFYHVDSGTVELDGKLI SDFNLGWL RDQI
GYVQMPVLFKGTIIDNIRLGKPTATEAEIVEA AKAANA HNFISKLS DGYNTDIGAGGSL
LSGGQKQRVAIARAVVKDPKILVLDEATSALDNESETIVQAALDNMHQKNPRTTLVVAHR
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>comp12720_c0_seq4; 865 158 4536 LEN=5184; translated
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LIDQMOTLINSFAIVGAATLVGTGVYVSIWSYVGENQTLRIRKAFVK SALRQEAAWFDTT
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VIGIAIGIVSCFMRKSSGRALSEFSAAGAFASEVLTGIKTIASLRAETWAVDRYTDHALE
AQKHSIRSQVLSKLAAGVMGLLIFYATYTCAFLIGTEQAAQRVEVEATYVSPFACYLRTDC
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VAHRLSTIVHSDQIAVVAEGAIQELGTHKELIQEGGIYALLCEGQGLTADAADV KESSTL
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DVCYMLIGYIGGIIVGALPACEAILFGFITGNFFIITDAEELRSTNFTLSLWFLLLAGAS
FVANIAMGVGFGVSGFRLTRMRVLVFEKIMRHSMGWFDPEHSTGELTTRLEEDSEAVS
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GKLAFTDFFVALLAVMFSAFGAGQTGADFSHRTGLEAAARLFELIDGSVDEDDPLSTVG
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LQLVLRFYHVDSGTVELDGKLI SDFNLGWL RDQI GYVQMPVLFKGTIIDNIRLGKPTAT
EAEIVEA AKAANA HNFISKLS DGYNTDIGAGGSLLSGGQKQRVAIARAVVKDPKILVLDE
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>comp12721_c0_seq2; 362 1 2057 LEN=2146; translated
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STKDKTDHLYDVRQTPVLHESPLFHFFAFSNLADLKAPGWKVVVKDLREYNRWITQSRW
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HYSKEQDSWRDQPLWCYTLHHFGITPLQLTGNGKIDILFDQEDQRTAKGSHKYKSESVISA
ANYYESLSHMVSLANSCWLDNSNSTASNSSLKPAEITHE SPLTPVCPDQFRRAMAP TERTN
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METIRDVFTWETTRANNETKRNPFAHKFNRMKPN GERKHQQTCALVEIPEFWNSGGMDE
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>comp12722_c0_seq1; 261 108 1301 LEN=1432; translated
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FHSDLFVQQDHQQGDIDL VFC EPIRIPATIEDVEVLISETCRGSNNSSSACEAASSSPRT
LSEWVSTANDLLSSYHTYNFAISHHLRGIELMREDKDRN NP GVS PERSLYKNYLETAYSC
YKLTIRLEQKRQKNK NIGGERLCTRVDP RVVLA CLN NLADLDYRDSQNSSVT AIRVGAFMA
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>comp12722_c0_seq2; 268 268 1461 LEN=1592; translated
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FHSDLFVQQDHQQGDIDL VFC EPIRIPATIEDVEVLISETCRGSNNSSSACEAASSSPRT
LSEWVSTANDLLSSYHTYNFAISHHLRGIELMREDKDRN NP GVS PERSLYKNYLETAYSC
YKLTIRLEQKRQKNK NIGGERLCTRVDP RVVLA CLN NLADLDYRDSQNSSVT AIRVGAFMA

STARCRSCYRHLQIIITRRMWEALEHLDHKNRKKSRLLLEEHVSQLEVSRYSYIQIFARNARQ
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>comp12723_c0_seq1; 241 198 931 LEN=968; translated
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MNWSVDGMLAATAGIGCVLLFRLAKGEWIDVLVNLGLLLYPHAVLTREMSEGIMTPETFEE
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MSSQ
>comp12724_c0_seq1; 743 1 2375 LEN=3373; translated
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QDHQEPFLFAEYGLRPLWEIYEGVAAAASACGLGSTIFSDGRTGSSATDHNSNNNAKIQAD
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QKVYCDKKEIRLR ISEPIVEFGETTAWFGDNEFDGFLSEKSNVPLRQLTIPPYNEE
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EDLDPELIVKALTDLSVSDSGNALVVSSALESGLTVAGVASENDEVYVPDKFATLDAQ
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ALRIGIRSALL
>comp12724_c0_seq2; 880 1 2834 LEN=3217; translated
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>comp12725_c0_seq1; 433 1 1424 LEN=1529; translated
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EEEDRYFVVEVELLLDVVHISRGLKITLRSPSGTESVLHPGKLPENVQLDPEDEGKFW
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>comp12725_c0_seq2; 693 1 2279 LEN=2572; translated
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TNLKGYTNSRHTISVGAVGKDR IHTYYSTGGASLFLSAPAGDSEDLSKHVVARAGGGCTT
TGIGTSFASPVSVALVLETNRELGWRDVQILAKSAKPVHEDSFDRSAVVNGGLWH
SNLYGFGIVNANDAVEMAKTWTNYGPERVIAIDSGPLDDPILDKSSGSAPSTSSIAVAPK
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KLMTVRNREESPFGEWTLTVADEKPGQFDECVDAPGFALQYAGVKIDCRYLEDYINVCGSL
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TQEPSASPTPLVTLRPTDVATTATTTTTTTTTTTATTNATSAPSHSPSEPLDTDALLLDGE
NPGLDDDSAEETYSVGGRKSNSGSGEAEPLPDSSSSGATIDADVDRDGGNDGDDPAPQS
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>comp12726_c0_seq1; 586 321 1955 LEN=2802; translated
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VDTCPVGIAYVTVTKDDVYLYCDERKVESADVQEHLSVETMKPYESIVEDIKEHANEKDS
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IAWLEDKVVVQGESVSEVEIDEVLTAYRAEQPGFLECSFPTIAGVGSNAAI IHYSAKPGD
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NEPG

>comp12726_c0_seq2; 593 321 2270 LEN=2715; translated
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KAEVKPLRVGIDPYVFASSFADEFKEGKMKVAKKEELDDESLEIGELVPCYDNLVDP I WED
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VDTCPVGIAYVTVTKDDVYLYCDERKVESADVQEHLSVETMKPYESIVEDIKEHANEKDS
NNKVVWIDKSRNLALVSVIPKALINSQNAITPMKACKNEQELEGMRRAHIVIDGAAMAKF
IAWLEDKVVVQGESVSEVEIDEVLTAYRAEQPGFLECSFPTIAGVGSNAAI IHYSAKPGD
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NTPGFVLDVMARQSLWEGELDYGHGTGHGVGAALNVHEGPMSSISPRFGNLEGLKNGMVVS
NEPGYKDGAFGIRIENLLEMQYVNPEHNEPKEESETSAEKKYLKFAKLTLP I QKNLID
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>comp12727_c0_seq1; 416 118 936 LEN=1263; translated
MRIHRSIVSALAATAGFASYSEAFAPRLAGSALAAPGLAARPSTPLFSTTEDAEAAPCD
APSGVEKAVLENASALTGATLTNHKGETVVLGDLQKDTSNVVFSLGTWGDPTAGXYAND
WEDVREQLKRSNVGGPFFVVSIGDEEKLGAFLQNP AIDPGSMLVDGYGFDA YEAAAGFGKF
TDVDPETAKQVKMEAPGLSFGQWGMGYFRAVGKTSPIPKGMGFGEIPEGVLRLLGGTFVVRN
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>comp12728_c0_seq1; 1819 142 4083 LEN=4158; translated
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KKSSKKKKKGTLSGEGENPSCASREGHSLQADLRINALLEENAVLLDETVALRRQLRQVE
QFSKQSSLGQKSI ESSNVEVNDLKMELEEYEVAVIEKDELIQKLTAVDAQVDKVEYLEA
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RKETESLQKNNVMMKEKEDVAIQNASREKALAKVEEIKAKMLVIRLENDLKYKENDLLR
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LKEREMANKVEELKSNILEVQAQEKDDVWKENESLRQQNITAEKKAFKEQEMQNEINKLKA
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KGADYITLLKERREGKLLVEARNELMRSREKVTELNLAIIDEAISHKKDLEKEVESLNL
MDSSAHRSSLKRQIKSLKQHNAALERRLEIQTRESQENVQEKEAKVRILQFELDKVRS LG
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NEDCEGTTTDTVWNLF SRSSRRESLQENEQKEYDGSNPSIMDSAVPTGDVTDIVDTFLRE
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>comp12729_c0_seq1; 495 141 1874 LEN=2134; translated
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RRQQAAAVATEKKEEDGGKEPKIALVIEGGGMRCV TAGMVCAIDYLGLRNCVDVYVYSS
AGSII GAYFITGQLPWFPGPEVYDQLTTAGKSFIDTGRLRLALGLGVFYPKLLRDVITRR

NSGKPVNLNDFLLQETMQRTPLDWATFEERQQTNTQPLKIVVSGLKREEMVLEYGDRH
FGSLEEMSRMHASALLPGIAGPVVNLVNEADAKDRKPRFVLRNNLGDDEYEPLADALVY
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QLHKKLYARSVLELNEAAHEDTKASNLLPPTLTVAIPPEIPEIARLEVGREAI FEGVRTG
FARAYDALVEDPSQRGRGETVARLYFPDEILDYSPAEMLALQRDKPEHASRSAFEIYLEE
SGVWPKAWEGCPSPLGESSDRALAGGKGAAPSGVP
>comp12731_c0_seq1; 512 131 1843 LEN=1843; translated
MSLRHPPKVPAGVVPATDVESGSDNDPSKKKKSTLALVMADSIWIIRTAGRFWRT
LGYAVVGGTRIFRRTVAMIMNTVGFVYSAGVELLLTSRNEYKNQWLPLVEELNLFQTS
IAVELERGLANYRFLSNVAVLARIQDVLLKWCWATRESPLDQRQLASIDAATTTQARVT
ELKTSIVEDGRRFVKYATAAYGISMIDAAEMEYVHSGIKTSKRRSSTTAIEAGTKLLSSLK
SSKTVSQQIKELQNSISLYDEDWLLGRISEHIEIPEDDIYPMNLSDNRVESLRFVAVDH
ANKEVVLIRGSLTVKEILIDIAGFSRPFCEGGEAHSEMANTAEEKIWEESADLVLELLRQN
PGYGLVVTGHSLLGGAAACLLNILLHENNRERAGGRAVRCYAYASPPVYAGNLSSEDAKRAC
TNYLHGADVVPFLSVDSVRRIFAALHAVEESKVTGWKRVLVLWGQTEVLDAPTLQRVGSA
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>comp12732_c0_seq1; 248 777 2180 LEN=2294; translated
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TKCIGITIE TRPDYCLKPHLEEMLSYGCTRIEIGVQSIYESVARETNRGHTVAAVCHSFQ
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DWDLPCMDIRTREVGMKQIHSSVTPDQVEMIRRDY TANGGWETFLSYEDPTQDILIGLLR
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EEHGSEKILVISGVGTRHYRKLGYELDGPYMSKILIDEDNCEELKQ
>comp12732_c0_seq2; 295 304 2007 LEN=2121; translated
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TFLSLDKEYKDFIRNLHDALSGYASNSVQESIRYSEQAKTKCIGITIE TRPDYCLKPHL
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MGWERDLAGFEEYFENPMFRSDGMKLYPTLVIRGTGLYELWKTGRYQNYTPDQLVELTAKI
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SSVTPDQVEMIRRDY TANGGWETFLSYEDPTQDILIGLLR LRKPNTSSAFLPEITERPC
SI IRELHVYGTAVAVSARDPTRFQHGFQFGILLMEEAER IAREEHGSEKILVISGVGTRHY
RKLGYELDGPYMSKILIDEDNCEELKQ
>comp12732_c0_seq3; 177 777 1625 LEN=1654; translated
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TKCIGITIE TRPDYCLKPHLEEMLSYGCTRIEIGVQSIYESVARETNRGHTVAAVCHSFQ
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>comp12732_c0_seq4; 224 304 1452 LEN=1481; translated
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PGGPDSDFEYSTQAYTGYEPTSMRAIRARYDPFSQVKGRVTQLKAIGHVVDKVEFIVMGG
TFLSLDKEYKDFIRNLHDALSGYASNSVQESIRYSEQAKTKCIGITIE TRPDYCLKPHL
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>comp12733_c0_seq1; 660 163 2610 LEN=3286; translated
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ERWTSQIAGLCEGNGIGKRPGLSPVIMALLILEIRDTYVMTAEERKRMKPKQGDSCRN
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RGTRGSSSPLPRQSSNPLGSLQEETDSDLGFVVRQVGSKDSVSSSYEKGNDRVAISKED
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FFDQQTNE DVRTSLGVTYTRKELVGVLRHAVETRDES LQFLSKFFKDGTVSRLLVESH
SRVVMNDWYPLKELTYSITVDALQRRVMVFRGAI TPEDWKS AVNFKFHNIRNPVKEEF
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>comp12733_c0_seq2; 579 586 2823 LEN=3499; translated
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LCEGNGIGKRPGLSPVVMALLILEIRD TYVMTAEERKRMKPKQGDSKRNL YATSV DIDD
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LPQFLQNTGRKIRFRRSMQSGSASSGDGASSGSFSSSISGAFSTIPRPRRGTRGSSSPL
PRQSSNPLGSLQEETSDSLGFEVRQVGSKDSVSSSYEKGNDRVAISKEDSCSTINNKDS
NSTISYSMKDSVVPISPIAEHEEDKDGEYS AKYSELSDTLVGENDEHFDDSTKQPSLRS
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VRTSLGVTYTRKELVGVLRHAVETRDES LQFLSKFFKDGTVSRLLVESH SRVVMNDWY
PLKELTYSITVDALQRRVMVFRGAI TPEDWKS AVNFKFHNIRNPVKEEF DGKKDVL RVF
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>comp12734_c0_seq1; 307 122 982 LEN=1116; translated
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DVIVSDYKRLGQKTGKGWYDYDKNIGKGRKALPSKEVDSLIRKYAKSGCAPFSDQQM IER
VLFPMVNEGFKCLEEGIAMQPSDIDVVVYGYGWP IYRGGPMYWADHDVGLKYVLRRLQD
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>comp12734_c0_seq2; 589 56 2384 LEN=2518; translated
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ITDESGKFGLPEVNVGVI PGAGGTQRLPRLVTVVKALEMILTGK SIGAKKAKKVGLVDHV
AARSEGTVLA AAKKFASWAELMPLGDRCVGNRAIKESKQ ELEMIVQGAAAKLPPVEMGGE
SVWAAL EAVKACSLPIEEGSAI ELAQFFKTL SGKQGVARRHAF FAVRKAGKMLGSI SNKS
HPLLQKSFRNQTA AVVGAGLMGSGICMVL LQAGFTVHLVDI YKESLDKGVAF LKGTIQRY
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DLAGLDIGYNIRKQRGWVSSSGKASKNK PARYPEVADVI VSDYKRLGQKTGK VSLRNGRL
FWSRMPKSN SQFIFDVFIYIPDMIEGLDDYDKNIGKGRKALPSKEVDSLIRKYAKSGCAP
FSDQQM IERVLFPMVNEGFKCLEEGIAMQPSDIDVVVYGYGWP IYRGGPMYWADHDVGL
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>comp12734_c0_seq3; 261 122 1082 LEN=1216; translated
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DVIVSDYKRLGQKTGK VSLRNGRLFWSRMPKSN SQFIFDVFIYIPDMIEGLDDYDKNIGK
GRKALPSKEVDSLIRKYAKSGCAPFSDQQM IERVLFPMVNEGFKCLEEGIAMQPSDIDVV
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>comp12734_c0_seq4; 635 56 2284 LEN=2418; translated
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ITDESGKFGLPEVNVGVI PGAGGTQRLPRLVTVVKALEMILTGK SIGAKKAKKVGLVDHV
AARSEGTVLA AAKKFASWAELMPLGDRCVGNRAIKESKQ ELEMIVQGAAAKLPPVEMGGE
SVWAAL EAVKACSLPIEEGSAI ELAQFFKTL SGKQGVARRHAF FAVRKAGKMLGSI SNKS
HPLLQKSFRNQTA AVVGAGLMGSGICMVL LQAGFTVHLVDI YKESLDKGVAF LKGTIQRY
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LLSNTSTLDVDEMASSVLSRRPLFAGWHFFSPA HIMKLVEIVRGSATSMETVCVMQH L
TKRIGKIGVVVGNCDGFVGNRLLISYGAETLLLEEGVASVSSVDKAF LKFGIALGPFQMA
DLAGLDIGYNIRKQRGWVSSSGKASKNK PARYPEVADVI VSDYKRLGQKTGKGWYDYDKN
IGKGRKALPSKEVDSLIRKYAKSGCAPFSDQQM IERVLFPMVNEGFKCLEEGIAMQPSDI
DVVVYGYGWP IYRGGPMYWADHDVGLKYVLRRLQDFSRQFPD TDYRPSNLLKQCVMMD

LTVEEFFNLGLMKKRRGQLSKL

>comp12735_c0_seq2; 264 164 595 LEN=989; translated
MADTKSDVVEATKVDVAVDPEPIVATTQGGKAGVIAVGGPTAVATPERKSHICCGCCCDVR
RATIIVDIIFVIFSVIDFALSWTGVGIANSMVVEDDEVQNALDVASPYFLALAIVSSLNI
VFAIIGIIGGAKFNKFLVLATGVW

>comp12736_c0_seq1; 250 363 1292 LEN=1363; translated
MVLSSLSTSTSSSSMIPNHHPSKVHNDNCNKISDTSSSLSHLAESILRISETHEVTRF
YNNYNSVHDSKTIKGTGGLYSNGLLRMMTGERNYSDNGKEFPAPTLNNTVIAPPSSGMLSG
WSGDVDWESKRRAEFSQLESSNNNTANKQRQLRKVIRARRKSVNQRFKVASLRRQLR
LERLHSKNMKSLESNVPLSQCLRDCSDSSVSSSRGSAVSNKGGLRRRASRFGSGDIAKGR
LEWKQKEQNEEQDRDRELRSRNCSSRRTLITSLDNNKDNRLQLRFLREQKKSQRALLDL
QVGLKHMGL

>comp12737_c0_seq1; 327 1 841 LEN=1343; translated
XLAASICTEQNTSDTTISRYNRRKHKIESDLSKEETKKNQLPTMRTDIVSVVLPILLGI
SCLPHSSKAFVRSNNPHLERLSLSSFPQGFKLSGKCSSTPNSLPSSTTSQVRNAALRGRK
IDDDFDDANIDENNNVAFAMLSTPRDNKPNQGNFFYNDEVISHLYGYMYLVGFFAAQDGL
FLGSFFVSSLAAGATQEGLLPCNPRI PALVAALTLVSTLVLRVYVIGFEPPLDALLGDSY
EGPTESSMLFELAIICALNIGWGFSGSWRTKEQVNGATYGF

>comp12738_c0_seq1; 720 104 1507 LEN=1661; translated
MSSNDLEGDDIWDSSGGAEESKEESKQADASDSAAAAAQPEPDEDETRTMSNSELRQ
RIHLLGNDIRVMKSDVQRITHE SRGQRDRIRENQEKVKLNKQLPYLVANVVEIILEPDAED
GLEEEEEKESGDALDEDANRKRTRSAVVRTSTRQTIFLPIGLVDSDELNPSDLVGTNKDSY
LILEKLPAEFDSRVQAMEVDERPTEEYSDIGGADQQIQELIEAVVLPMTHRDMFQTIGIR
PPKGVLLHGPPGTGKTLARACANQTNAIFLKLQAGPQLVQMFIDGAKLIRDAFELAKAK
IEKGVSAAGAILFIDEIDAIGTKRFGDQSGDREVQRTMLELLSQLDGFSNEMIKVIAAT
NRPDVLDPALLRSGRLDRKIELPHNEEARARILKIHSRKMQVNADVVFEEIARSCEDFN
GAQIKAVCVEAGMLALRRESLEIMHEDFVEATTVVAAKKKGSLDYFA

>comp12739_c0_seq1; 108 193 858 LEN=1510; translated
MAGSTGKPTVNLNFVTFQAYVIGMISQIGSRVTMDTVRPLNMFGLITGPSFCFSPAAFNA
PVTKIDKSTYEKFTSRLRLNFAFFISNYALLTMGVGVV TALMHPGMVSVGVMYSLWALH
RFLISNELILFGRNIGTLVSIHRSTALTILTGLVVAWKCLRPTIKVVSISGGIIMLHAL
LRDP SHVTS GDFRSGGSSKSSGSDDESAGNSDDSEVLVETP

>comp12740_c0_seq1; 672 373 1899 LEN=2069; translated
MLPSAASDASATISTLDTATIDATLTMTMSGKNQKDTWAATTTTRIPSSIVSAGSSNLE
YLKENLEDASSDNTNRQRRELQQTGYVPGFEGYVSIASFVHVFPWQLMLDDLEQERLES
LVMLFLCSQGVEMVSTDPSTLFPVPCPFNDIGSDVYKTQTATAMKRSATNAVAAGDDQ
AEP IIVWNLPKFETATMPFEKVLNMATNKTFGQTLAPHSNEPQQYYTQLNVYTPVYQ
WGSEDP SVAGELQDEFDTSVIDTGTLDLLPWPNAQTAPIGEEP YVFDAPLPVEPGA
TTIPSGVGSLLQSLGVSLLVINTLVVALSIVARIQSKRAELLQKQRKEEYRQRM TG VWS
NGKDGSNGNEYLDTEAGVSAI LLESSQYALTKSGGYSVSGSDTGVEVIGTSMRSLSSSPKE
KENKLLARAKLQTKPSSYMTTILSTDRASSDSPAWYTGTHSSGNALGNYNEDDEEAENLR
ADLQILNLSAGTSSGSAGKNGSTFSQTR

>comp12741_c0_seq1; 375 1 1359 LEN=1489; translated
KRPERRSRGTSETPNKRRSR SKNPIAERESSKASEKRRSTSKPTENLNKSSSYKSPRP
VAKTTTPEIGYEGASSLSKSLHEAAKNAGMANKGGLS QSLHTAKKVPRKVKEESVGLSQS
LHAAKKVPKASNVKSVGLSQSLHETKMKSPRPKKKRVANLEKVNEITREGMHETKKVPR
KDRKATTELSQSVHRPKSHEEQSLRSIEQQPKPKSKASLWSIVI PKAPMYQQNMKARKED
PPGIPSPKTRKSMIDQQRQKKS VVRDDATVETNVSSSSKRRKPRRKDSSSVGFADVSAGT
NKPPRRGKRNAV PNDGGEAVWCTDNGDDNSCATNSTASSIQSQCTRGLVPAKQKSNRKG
GISRTRSAAGSVKSTGTKTTAASSSCDALSPRTPLKRSDSFSNRSTASTIFSTGRSLNRS
RQWTKDLLKRKPSLATS KAAYAYHANPFVDAQ

>comp12741_c0_seq2; 306 404 2016 LEN=2016; translated
MTLKSFRKNLKGINSRITGARRKNESSQENEGRDNDNDDEDEDEIYEQFAMNMSTRSVD
YDNFFESASKPWSVDLAKELSTHTNSVRDMSSAGQRTVEPSTRSVGTILTRAMYMESVRT
IEEEDGSDSCDDRQKLGIPTRYATARQA AHKTTKSKRLSQSSMAKIPKSAVMNVSTLL
SSERSSLPNITKFEDLWSAGEPQKSSDGKNSRALPANTHKSPTKTHKPPTKTNKQPPKSH
TPPVKMATIPDSTCSI SECTFQCDPVAPKKKTTHRGPCKHRTASNKSKTTTTQSAINKG
ESTAKKSKSAISDASAGYSEDAARKPRTSLHTSTSLPVGSIKRRSDKTCKSMPTTMDK
KTHKLAQQFEDDLQSLLNHVGNAGVSSSTLSECASPRIGNRSVNPKITPKAIPRKKDA
GPEKSGVDRSRKSPDVQTRASSTK PERRSRASSVKPERRSRSSSKKPERKPRSRNRPE

DGLEVHQGIQRGHPEAPRRDQINNEAARRGRRGDRGARQEILRGNPEAAPRIPTKNEX
>comp12742_c0_seq1; 163 1 621 LEN=2346; translated
XNEEKLQRTLLRYRLYLEDAKNSALESDLASTSAVASASLRIGDHPPVGGSSSRKRTLQ
DSMLMLERERILRRARQEEQLIAEILASERRKRDGDMIFNLLSQQNPMASGTSRSTHVAT
HSDDXFKDDFVQQLVIVAICIAIIESSAPDGHGFNLIHPWKTDVFRNLGFSLYGTTTV
YDEPFTLRRKRTRGCNNPKKPSHLVV
>comp12742_c0_seq2; 163 1 621 LEN=2302; translated
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DSMLMLERERILRRARQEEQLIAEILASERRKRDGDMIFNLLSQQNPMASGTSRSTHVAT
HSDDXFKDDFVQQLVIVAICIAIIESSAPDGHGFNLIHPWKTDVFRNLGFSLYGTTTV
YDEPFTLRRKRTRGCNNPKKPSHLVV
>comp12742_c0_seq4; 163 1 621 LEN=2527; translated
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DSMLMLERERILRRARQEEQLIAEILASERRKRDGDMIFNLLSQQNPMASGTSRSTHVAT
HSDDXFKDDFVQQLVIVAICIAIIESSAPDGHGFNLIHPWKTDVFRNLGFSLYGTTTV
YDEPFTLRRKRTRGCNNPKKPSHLVV
>comp12742_c0_seq5; 163 1 621 LEN=2499; translated
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DSMLMLERERILRRARQEEQLIAEILASERRKRDGDMIFNLLSQQNPMASGTSRSTHVAT
HSDDXFKDDFVQQLVIVAICIAIIESSAPDGHGFNLIHPWKTDVFRNLGFSLYGTTTV
YDEPFTLRRKRTRGCNNPKKPSHLVV
>comp12742_c0_seq8; 215 134 499 LEN=1351; translated
MWVKRQRHQHNLAEKKPSTLTGERIKLLESIGFIWNCLDSAWEKNFQDLRAFAICHGHF
SVPHTYEKNTKLSWVNVQRQCKLVEDGKPSMTKHRFEKLEQIGFPVVKRKRARST
L
>comp12742_c0_seq9; 248 1 1114 LEN=2374; translated
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DSMLMLERERILRRARQEEQLIAEILASERRKRDGDMIFNLLSQQNPMASGTSRSTHVAT
HSDDL SRMTLYNRDSLQSLQSSNLPAPLTDASTSSILGKRSTFATSASPSMARRLS
TMNRLPCEGNGLGDAITQRSQAPTSLCDPIGSRDVNSVYASMLRSVAPLPTTAPSPVDFI
RSSTLHTAEAPSFAGVSLHQAPDEADDISKRFNKHQCKQWTVKFHELIAKHHGHCNV
PHLYKENRGLAMWVKRQRHQHNLAEKKPSTLTGERIKLLESIGFIWNCLDSAWEKNFQD
LRAFAICHGHL
>comp12742_c0_seq10; 163 1 621 LEN=2724; translated
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DSMLMLERERILRRARQEEQLIAEILASERRKRDGDMIFNLLSQQNPMASGTSRSTHVAT
HSDDXFKDDFVQQLVIVAICIAIIESSAPDGHGFNLIHPWKTDVFRNLGFSLYGTTTV
YDEPFTLRRKRTRGCNNPKKPSHLVV
>comp12742_c0_seq11; 297 1 1297 LEN=2149; translated
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DSMLMLERERILRRARQEEQLIAEILASERRKRDGDMIFNLLSQQNPMASGTSRSTHVAT
HSDDL SRMTLYNRDSLQSLQSSNLPAPLTDASTSSILGKRSTFATSASPSMARRLS
TMNRLPCEGNGLGDAITQRSQAPTSLCDPIGSRDVNSVYASMLRSVAPLPTTAPSPVDFI
RSSTLHTAEAPSFAGVSLHQAPDEADDISKRFNKHQCKQWTVKFHELIAKHHGHCNV
PHLYKENRGLAMWVKRQRHQHNLAEKKPSTLTGERIKLLESIGFIWNCLDSAWEKNFQD
LRAFAICHGHF SVPHTYEKNTKLSWVNVQRQCKLVEDGKPSMTKHRFEKLEQIGFPV
VNKKRKRARSTL
>comp12742_c0_seq12; 248 1 1114 LEN=2571; translated
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DSMLMLERERILRRARQEEQLIAEILASERRKRDGDMIFNLLSQQNPMASGTSRSTHVAT
HSDDL SRMTLYNRDSLQSLQSSNLPAPLTDASTSSILGKRSTFATSASPSMARRLS
TMNRLPCEGNGLGDAITQRSQAPTSLCDPIGSRDVNSVYASMLRSVAPLPTTAPSPVDFI
RSSTLHTAEAPSFAGVSLHQAPDEADDISKRFNKHQCKQWTVKFHELIAKHHGHCNV
PHLYKENRGLAMWVKRQRHQHNLAEKKPSTLTGERIKLLESIGFIWNCLDSAWEKNFQD
LRAFAICHGHL
>comp12743_c0_seq1; 256 214 1153 LEN=1547; translated
MTSESLGYDVVENDFTTADPDLEALSSPQVSNPDFNPRIFWSVNALILLLILLSGIWC
WVQRFYNDVGMRRSDEIYRARLRRQQAERNECPEKRRQKLLKSFSTHKVQMVSAIV
SLIFDIACFGDTGYFYRMEYPLFLSFIVDVLDRDARTAINFSFISFLQTVKEEDLIATD
LNDGGTTDNSSATGELNGCNDIERGHATGTSLDNEETGHLRLRDGTGRLVPNCCAVCLSE

YEVGDIVTWSSNPSCIHAFHRECVVDWLIKMQPETPCPCRQEFDTLEIIRQERKVKWLG
TIAFDFSAIKLW

>comp12743_c0_seq2; 244 214 990 LEN=1384; translated
MTSESLGYDVVENDFTTNADPDLIEALSSPQVSNPDFNPRIFWSVNALILLILLISGIWC
WVQVQRHFYNDVGMRRSDEIYRRLRRQQAERNECPEKRRQKLLKSFSTHKVQMTVKEE
DLIATDLNDGGTTDNSSATGELNGCNDIERGHATGTSLDNEETGHLRLRDGTGRLVPNCC
AVCLSEYEVGDIVTWSSNPSCIHAFHRECVVDWLIKMQPETPCPCRQEFDTLEIIRQER
KVKWLG TIAFDFSAIKLW

>comp12744_c0_seq1; 807 143 1417 LEN=1541; translated
MTRIFSFIAFLATFSVSNNGFVSPLRSGLSASKSASLLMNKFDPNYAKSMSAAAIDQMKN
LKPEDIDKMMAEEDNMNPIQKNALKAMNMDPDVMKKTMMMRDNPAMVANAQKVMETMSP
DELLEQSRKAQEQLKNMTPDELEKANKVMQSIPEQMNAAVETLKAQNSANVVDAVADDD
EDADMVTGPGSSSDSNVIDAMFRVAEFMSSPPTDGGVFTGFYSLPTIQLLSGDREFDLS
MSELKECWADGSLGATRVDRAFERVWIEVQYFEQDIMTEARKEARKKTTKKKVRGGAK
SVSATPTTTIGDNLSDKELEEVNQRVKNLSDDEVGSVLDMMEQMDPAQEARKLQAMGVDPR
MMQQTAAMLKDNSQMRQAKQMMQNMSPEDMLKASQQAQEQMKNMSEDDVKNAMDQLKNS
PPSN

>comp12745_c0_seq1; 980 202 2205 LEN=2549; translated
MKFATTAVVALLMGEQAAAFSPYTPVRTNFYKYSTGSLSMAADVDPVVIQKSQYGPSPDVR
YSDFLKLVADAKIEKVTFADGTQLLGVVDVDTGRLKIEALPNPGLLTQLTDHKVDVTVL
PQQEASGLGELAQSLIFPAALFAGLFFLSRRAGGEGGMGGMPGPMGFQKSKAEIQM
VPDTGVTFFDDVAGCDGAKLELCEVDFLQPEAYTNNGCRI PRGVILDGPPGTGKTLLAK
AVAGEAGVPFISISGSEFVEMFVGVGASRVRDIFGQAKKNAPCIIFIDEIDAVGRQRGAG
FAGGNDEREQTVNQILVEMDGF DGNPGIITIAATNRVDILDQALLRPGRFDRKVTVDLPD
FKGRTRILGVHSRQKPLEPDVLEAISRRTPGYSGAQLLENLMNEAAISAARANKSTIGWE
QIDGAVDRMLVGLKQGGNQEMKSKEMVAYHEAGHAVV GALVPDYDQVQKISII PRSNGA
GGLTFFAPQESRLESGMYSKQYLESQLAVALGGRLAEI IYGEDRVTTGASNDIQQVASI
AKRMVAEWGMSEKVGSLCLDES GSPQFQGLAMLQGR TLWGTDKMKDVEEETERLVNNSY
IIAKTVLLENRDLFEHLTKALMEQEVVSAEEFQMMMLVDFNAKTIDYKLI GEERNREALPF
KLLPDSV

>comp12747_c0_seq1; 753 1 1828 LEN=1888; translated
PTAVPYLVPSQHNNLLKSVVHRLFKEDKEGKMRFFRASLV TALALASLETTTAFTPRHGV
LKQSSSAF IGRSTPTLVERRQRSSPQLSMMFDQLSNAISTVVKDFGKQRITEESIKPAL
RSVRRALLDADVNIDVADALIDGVKRSLSGETVIEGVSADQQFIKAMYDELVDMGGDSA
AKSDTSAMGPAALAPPASTLALGSPGDPVAVLLAGLQAGKTTAAGKLALYLKEREVDYS
VNLDEIEENRTAARLPKRNKRVLLAAADV RPAAITQLEILGKSV DVEVFVSMGTEADPV
DIAQKALAKAKAEGFDTLIVDTAGRQI IDDDLMVELKNIQETVKPDETLLVVDAMTGQEA
ASLTAAFD SAVGLTGAILTKMDGDSRGGA AVSVRGVSGKPIKFVGTGERTPDLEFPYPR
MASRILGMGDVLSIVEKAQEEMTDKEAKLMEEKVKNAEFD FDFLQAKMVSKMGS LGGV
AKMMPGMSVQSQELIAAEKRLKNEAMIAVMTEEERKNPDLLIKDSKSRERLQRIAKFS
EMDIKDVRFMFSEFQKMR TMMSRMSKANDKMN PAMAGGGDGPMPGNRAARRAAKKQKKG
RGGGGGFG

>comp12748_c0_seq1; 202 1 470 LEN=606; translated
XSCPLCLSHYFHIFLLASGLFAAVYLATFLISNVVTNNAALIFPIAMDAAEQGTGTDV
ILMSYCVMLGASASFMSPFYTTNLM IYGPGGYKYNDFLVIGTPMQVVLWFLSVALLATT
TTSNFYISWLISLGVLLFVMGV TSCNFGNFKLARK

>comp12748_c0_seq2; 1438 294 4133 LEN=4269; translated
MTGRNAAI LSLKSTNETCPCAATRLDSSLVTAIATAATDRLLQQTDDMTYSGDGT PQESE
NGLFQVIYTCVVLFLMFAALISDRIGADSVMMASLTF FMAANIITIEEGLEGFANEGLLT
VLVLFVVADGISKTGALDWYMSRLLGRPATVAAAQTKLMIP IAIISAFLNNTPVVAVMIP
IVQKWSKNIGQSAQQLLVPLSFASILGGTCTLIGTSTNLV VAGLLEKQYPEIKLGLFDLS
IYGVPIAMVGIYVLLASPCLLPGGKGASCRGGTGTGAIDITGGSGNDSEQD LLLGAKL
MPWSPAAGRSVKRSGRLDTGGIYLVSVHRAATGNVHRAVQDFVLNVGDVLYFTGLVEEF
GEFCEDHAMEVLTNELEEQEDTENE GSNLSQNVPTDIASNTEQTFYTQVTKERQSNTQ
LVTVLEGEVEEHPNTERSSNAMPVVEVGF TKESSLQADEAERSRIITRMIDTVRGVAREE
PTQQEHTYLNIDVREGRGKYAQHGAHKVVVTSEHG FVVVGVDARDRPGLLLDI SKGLLRL
NLTLRHSEASVVGSRISISWRCEVIEAALPDLEEIWTVMNGLLESFDQGGSQAMKRGGLR
VIRAVVTATSSLNGKNMNNVDFRDRYKAAVVAIQKGGRNVPVTGVVFGSDVVLV LKANDN
SPLLKPPPPDFYKRGVNDGAKGETGSRSGSSVNSFIKRMKRKVS NATLNTLNSRNSEAEF
RESKQNNADEGLDLEAARIKTEADV SFDNAEDYLIGNGQIDDDDYDNDDDDYDINENGN

GVKLVIDNIQASMKAITAEETWKDLQVIFVDKDQQRADDGAREFLTAMEIAPKSKLADR
TVAETGLDKLPGVFLVSI DRPTGETHKTTRAVKTGTMR AFRAVASDARSVEESD HESHVS
SLPTVDP IYRTIPDPVPLVVG DVLWFAGGAQSVGDLR KIPGLISHEKEEVEK IDEKMHDR
RLVEAVIARRGPLVGKTVKQVRF RTRYGA AVIAVHRDGSRIHEHPGRIRLQAGDVLLLEA
GPTFIKGSYDNDKSFSL LAEVEDSAPPRLKLLIPALFLTVAMLAVYTAGVASLLVCSLVA
SMCMVAVGILSEQEARDAVNWEV FVTIAAAF GIGTALVNSGVAGG VASFLVTVGT SVGRG
SSGLFAAVYLATFLI SNVVTNNA AALIFPIAMDAAEQ TGTDVILMSYCVMLGASASFMS
PFGYTTNLM IYGP GGYKYND FLVIGTPMQVVLWFLSVALLATTTT SNFYI SWLISLGVLL
FVMGVTSCNFGNFKLARK

>comp12748_c0_seq3; 1373 294 4237 LEN=4373; translated
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NGLFQVIYTCVVLFLMFAALISDRIGADSVMMASLTFMAANIITIEEGLEGFANEGLLT
VLVLFVADGISKTGALDWYMSRLLGRPATVAAAQTKLMIPAIISAFLNNTPVVAVMIP
IVQKWSKNIGQSAQQLLVPLSFASILGGTCTLIGTSTNLVAGLLEKQYPEIKLGLFDLS
IYGVPIAMVGIYVLLASPCLLPGGKGASCRGGTGTGAIDITGGSGGNDSEQDLLLGAKL
MPWSPAAGRSVKRSGRLD TGGIYLVSVHRAATGNVHRAVGQDFVLNVGDVLYFTGLVEEF
GEFCEDHAMEVLTNELEEQEDTTENEGSNLSQNVPTDIASNTEQTFYTVTKERQSNTQ
LVTVLEGV EEEHPNTERSSNAMPVVEVGF TKESSLQADEAERSRIITR MIDTVRGVAREE
PTQQEHTYLNIDVRERGGKYAQHG AHKVVVTSEHG FVVVGVDAR DRPGLLLDISKGLLRL
NLTLRHSEASVVGSR SISISIWRCEVIEAALPDLEEIWTVMNGLLESF DQGGSQAMKRGGLR
VIRAVVTATSSLNKMNNDVFRDRYKAAVVAIQKGGRNVPVTGVVFGSGDVVLKANDN
SPLLKEPPDFYKRGVNDGAKGETGSRSGSSVNSFIKRMKRKVS NATLNTLNSRNSEAEF
RESKQNNADEGLDLEAARIKTEADV SFDNAEDYLIGGNGQIDDDYDND DDDYDINENGN
GVKLVIDNIQASMKAITAEETWKDLQVIFVDKDQQRADDGAREFLTAMEIAPKSKLADR
TVAETGLDKLPGVFLVSI DRPTGETHKTTRAVKTGTMR AFRAVASDARSVEESD HESHVS
SLPTVDP IYRTIPDPVPLVVG DVLWFAGGAQSVGDLR KIPGLISHEKEEVEK IDEKMHDR
RLVEAVIARRGPLVGKTVKQVRF RTRYGA AVIAVHRDGSRIHEHPGRIRLQAGDVLLLEA
GPTFIKGSYDNDKSFSL LAEVEDSAPPRLKLLIPALFLTVAMLAVEFFSSEKRTNSFKIP
DQSNIRRF AAFVLTNFGHRYTAGVASLLVCSL VASMCMAVAVGILSEQEARDAVNWEV FVT
IAAAF GIGTALVNSGVAGG VASFLVTVGT SVGRGSSGLFAAVYLATFLI SNVVTNNA AAL
LIFPIAMDAAEQ TGTDVILMSYCVMLGASASFMS PFGYTTNLM IYGP GGYKYND FLVIGT
PMQVVLWFLSVALLATTTT SNFYI SWLISLGVLLFVMGVTSCNFGNFKLARK

>comp12749_c0_seq2; 265 426 1715 LEN=2083; translated
MERQKTRTKKKKTQKPPMGFKKAPQAPKRFKSPYILFSISKMQEYRVLNKN TKVTCFSSL
ISKEWRGLSEHEKKKWKAI AEKDKLRYNAEKS LYKGPWQVPTERPRKDPNAPKRPPSAFL
NYSRTRRTALIEENPHMKNTDISKLLGKEWKAAPQOVRQPHIDKELYEREVYHKKITAWR
TONLEASVATKSKQQLSAIGDQKRLPEEARPGPLQPSPLRAIVP SLSFSPVSPRPEL
SGSIQEPERKIYVWGSSSPVEGPAPSDAMALDNYRLTNQGM LLPVSPSEKRQGTSSAGDV
HTGQQSSTDYSDRAFVSQQPPLLPSPMLWPKPAMMTPNRCQSITNPSQPPNNAYAEKI
KLP EMLLPPPKQLVPVSTVPVAPVTPMQQPRNRSTTDFQNLFFPAIFDDYDSANNNIVEN
TDL D L L L L T D

>comp12750_c0_seq1; 425 141 1460 LEN=1790; translated
MLSCRILRNSDIPRGLRKL CGFR TNPSGKNVVKQHNL LMKNTTVKTQVRTSII SRKSIH
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GKFEALLDEF AVESEDEVTI ITERGVLSRLDTP LSSLKSGKNTKHPRAEKIASVGKEIL
VSAKAYVRAKFAEAVAKAKDEIMKDDVYIKERMLERLLNEDPEVKKWITALEHIEGASLQ
GIENWSYVLISSIPNAFVTEMLPQKIFVTTGLFDQYVKNDELAMILGHEVSHLILGHM
SASSFYESVVRGAEIILMLDPTEGLLSLGLASFLSNSREAVVASFSRAHEREADELGCR
IAAMACYDTRKGI EVL RKMQEREHNSGTASQHNLKSSHPPSKERYDDLQALVETQNFSEY
SYCNTLRRRINRALQRKEY

>comp12750_c0_seq2; 372 141 1019 LEN=1029; translated
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GKFEALLDEF AVESEDEVTI ITERGVLSRLDTP LSSLKSGKNTKHPRAEKIASVGKEIL
VSAKAYVRAKFAEAVAKAKDEIMKDDVYIKERMLERLLNEDPEVKKWITALEHIEGASLQ
GIENWSYVLISSIPNAFVTEMLPQKIFVTTGLFDQYVKNDELAMILGHEA

>comp12751_c0_seq1; 315 284 1168 LEN=1168; translated
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KDTNEKENYFLTHSSPYHTIFSTGCSIYQDWQSYVFFHHVKRSGQEGHVTRIASGCSAND
EVKFQEVFEAEIESMNP GKHHLHFTPDFSRVPKVGKPKYK YFNKPYGVRHWM EHTLGYPH

NHKLHDDSIIILMDDQIMLRPFTNDFNNSSELWKLKKKRKLVGHGSPFAQAYGYGIQW
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>comp12751_c0_seq2; 386 284 1231 LEN=1337; translated
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EVKQVEVFAEIESMNPQKHHHLHFTPDFSRVPKVGKKPYKYFNKPYGVRHWMHEHTLGYPH
NHKLHDDSIIILMDDQIMLRPFTNDFNNSSELWKLKKKRKLVGHGSPFAQAYGYGIQW
LKGKKIKKIDHEYVFQDGRLEPTVSNMTFEEARQYYSGMGPPIATAKDMWAIISNTWAD
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>comp12751_c0_seq4; 312 284 1685 LEN=1685; translated
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KDTNEKENYFLTHSSPYHTIFSTGCSIYQDWQSYVFFHHVKRSGQEGHVTRIASGCSAND
EVKQVEVFAEIESMNPQKHHHLHFTPDFSRVPKVGKKPYKYFNKPYGVRHWMHEHTLGYPH
NHKLHDDSIIILMDDQIMLRPFTNDFNNSSELWKLKKKRKLVGHGSPFAQAYGYGIQW
LKGKKIKKIDHEYVFQDGRLEPTVSNMTFEEARQYYSGMGPPIATAKDMWAIISNTWAD
IAPKVHDKYPHLLAEMFAYNFAVAHLGLRHTIANSFMLSDVVFSEMEGWKLIDKVNETHNIC
KNFPKGQRPHVIHYCQTYIIGSESLYDWWVFGKRKLRKDFISCEAPLLKVPDPNLDAYEX
IPPKMIGNNANIEKEVWERKYAKRESFMVCEMIRALNDAAIFFKDEX
>comp12751_c0_seq5; 149 249 650 LEN=1145; minus strand; translated
MAKASTGAGRKAGTANYSHNELHNLMSMILERLPISTDDWHLNVFEHTKNWPFRRSQSV
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LLANAVDSMPGPP
>comp12751_c0_seq6; 87 598 725 LEN=725; translated
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>comp12752_c0_seq1; 381 60 1187 LEN=1901; translated
MLATSDPYPSPHAKPEANVEYGNVQRFVPEIDDGyraQDQRKNRNSYRPLFITLYVMLLL
ATAGLAFVTRYVQTVKNKHKSPPSQDTSDDGSDVDSSSPATLAEVDPDRDLIAYRSDI
EYILFTEMDEGLSTDFVEGPKRAIDWLVSDDLVLNSTEVRAMAEYIKNGDEDSVSTVPL
VQRYALMVLFFATNGELWSDSSWRELNVNPECFMGI ECDLEGHINTLDVGYRKLGRRLP
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LYLGELFLTGEVPTDAMKSLSSLEEISISHATEMTGPLLEFSEHWPNLTYFDILRSTFTG
TIPTTIGTNTNLKYM
>comp12752_c0_seq2; 342 60 1284 LEN=1998; translated
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EYILFTEMDEGLSTDFVEGPKRAIDWLVSDDLVLNSTEVRAMAEYIKNGDEDSVSTVPL
VQRYALMVLFFATNGELWSDSSWRELNVNPECFMGI ECDLEGHINTLDVGYRKLGRRLP
GEVGMLSMLTSLNVE SNNLEGTIPSFLYNKLTCLGTNTEQGFCAMSIDTDSFLVHRNISP
SLFWILERVDMRNNGLSTISSDISKLTNLKALYLGELFLTGEVPTDAMKSLSSLEEISIS
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>comp12752_c0_seq3; 436 60 1717 LEN=1877; translated
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EYILFTEMDEGLSTDFVEGPKRAIDWLVSDDLVLNSTEVRAMAEYIKNGDEDSVSTVPL
VQRYALMVLFFATNGELWSDSSWRELNVNPECFMGI ECDLEGHINTLDVGYRKLGRRLP
GEVGMLSMLTSLNVE SNNLEGTIPSFLYNKLTCLGTNTEQGFCAMSIDTDSFLVHRNISP
SLFWILERVDMRNNGLSTISSDISKLTNLKALYLGELFLTGEVPTDAMKSLSSLEEISIS
SHATEMTGPLLEFSEHWPNLTYFDILRSTFTGTIPTTIGTNTNLKYIWLEQTSMNNTSILP
TELGLLPNLKEFILDNLVDDTTGTIPTELGNCQALTSLHVDFRGP IPTELGRLTNLKF
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>comp12752_c0_seq4; 475 60 1620 LEN=1780; translated
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EYILFTEMDEGLSTDFVEGPKRAIDWLVSDDLVLNSTEVRAMAEYIKNGDEDSVSTVPL
VQRYALMVLFFATNGELWSDSSWRELNVNPECFMGI ECDLEGHINTLDVGYRKLGRRLP
GEVGMLSMLTSLNVE SNNLEGTIPSFLYNKLTCLERVDMRNNGLSTISSDISKLTNLKA
LYLGELFLTGEVPTDAMKSLSSLEEISISHATEMTGPLLEFSEHWPNLTYFDILRSTFTG
TIPTTIGTNTNLKYIWLEQTSMNNTSILPTELGLLPNLKEFILDNLVDDTTGTIPTELGN
CQALTSLHVDFRGP IPTELGRLTNLKF LSMTEGGLTGSVPSELGLLTNLNEMYLYNNRL

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>comp12753_c0_seq1; 197 116 553 LEN=1316; translated
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LRSFANVGVVLPYVLNQSGSIVFYVLLANSDISMAVPICNAMALLFSFLTSSLLGEP IQK
PLRTGAGAF LIMVGV AICVSSQEH
>comp12754_c0_seq1; 812 128 2569 LEN=2638; translated
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KSSKGGKSSKKGKNSGEALKSAFEKDAEARTGSKPIFTQPPNLTGKCVLKD YQLE GVR
WLASLYENGVSGILADEMGLGKTIQVIGLVAHLLTQEVTPFLVVA PLATLPNWVREFEK
WLPSPKPV MRYHGAAPDREAMLRG PLNPK EKRD KKFV VVTSFETAIRDQK KLGKLGPFAY
VIVDEGHRLKNHRCMLIRSLKQLDASNRLLLTGTP IQNTLDELWALLNFVNPQIFDDL SV
FQSWFGFKDIGQKSHNGTSEEDIMLEQRKNKT VTKLHEILRPFLRRVKVDVLKEMPPKK
E VVVYSGMSK LQLGYAELIEKGVLRD D L L R Q G I M D G K N L S Q T N K M M N H R K N V N H P F M F G E
PLDPTTGS HIGTLYPHLLIRASGKFALMDRMLNRLHKDGHQVLI FSQMTKVLNII EDYLN
YRHWKYCRIDGSTNIDDRQAAMDFVNAEKTGGKNGERNLADDRYFVFM LSTRAGGLGINL
TSADTCIIFDS DWNPHADSQAMDRCHRLGQTRPCA IYRLLTNN SVDIEMMEKQVSKKKLE
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KLFAEGKDAI PTEGKMYNVINAAGDMLGAMTT
>comp12755_c0_seq1; 240 140 1063 LEN=1379; translated
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LRHQSNCSVPVGTFTYRNRFG LGS DLHTYALALGN GIEANRRIRTVGNWTWMDRDECGRE
GSGATDTPGRGREPFGTPLGSPMRCYFVASELNCPGDLEHALANPAFDPEHGLSRPNGNV
LVPSGDYASAILPSKKDGGEQKLATAVVE SLFVRTAPRVVREAERQLNLVFGGRDGV PKD
LITVHIRW
>comp12755_c0_seq2; 98 1 496 LEN=557; translated
XTHFMLFFQCRKKVGISDYIQAVRQILDKRTSSSKSATHTNFTSTEETANIYLATEDPRA
VDEFRKALPKGWNLFVDQFLVDTSDHRVDEYNGVPKMAKSLNGRLGLLALGSLLVGMEAN
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>comp12755_c0_seq3; 397 140 1728 LEN=1789; translated
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GSGATDTPGRGREPFGTPLGSPMRCYFVASELNCPGDLEHALANPAFDPEHGLSRPNGNV
LVPSGDYASAILPSKKDGGEQKLATAVVE SLFVRTAPRVVREAERQLNLVFGGRDGV PKD
LITVHIRWGRYRSIDWIGLDWSIARIFPLPSGAVPSRIEINF EWRSFKSSFFFFFSTGDK
VTTYQGKKRRLPEMKKVGISDYIQAVRQILDKRTSSSKSATHTNFTSTEETANIYLATE
DPRAVDEFRKALPKGWNLFVDQFLVDTSDHRVDEYNGVPKMAKSLNGRLGLLALGSLLVG
MEANDFV LND SKQLEPVDERIEAVDFGSALRRMYVRDRFETAIERQTVI
>comp12755_c0_seq4; 249 140 1232 LEN=1232; translated
MVEIHTGRNRSARRTTSLAAYMMALVVVVSCLTYRRHSSVVRTAGLQQKD HHLAYPDPEQ
EQQQSPALNSNNRREDTKHQRGALRQPSAALSSERTQRQLRLRYDWTNLSPSLDLTKNI
LRHQSNCSVPVGTFTYRNRFG LGS DLHTYALALGN GIEANRRIRTVGNWTWMDRDECGRE
GSGATDTPGRGREPFGTPLGSPMRCYFVASELNCPGDLEHALANPAFDPEHGLSRPNGNV
LVPSGDYASAILPSKKDGGEQKLATAVVE SLFVRTAPRVVREAERQLNLVFGGRDGV PKD
LITVHIRWGDKVT TTYQGKKRRLPEMYVNNTDQCATT D I L L L V V R A M E K R T K L R V C S H L
TIHCX
>comp12755_c0_seq5; 387 140 1581 LEN=1642; translated
MVEIHTGRNRSARRTTSLAAYMMALVVVVSCLTYRRHSSVVRTAGLQQKD HHLAYPDPEQ
EQQQSPALNSNNRREDTKHQRGALRQPSAALSSERTQRQLRLRYDWTNLSPSLDLTKNI
LRHQSNCSVPVGTFTYRNRFG LGS DLHTYALALGN GIEANRRIRTVGNWTWMDRDECGRE
GSGATDTPGRGREPFGTPLGSPMRCYFVASELNCPGDLEHALANPAFDPEHGLSRPNGNV
LVPSGDYASAILPSKKDGGEQKLATAVVE SLFVRTAPRVVREAERQLNLVFGGRDGV PKD
LITVHIRWGDKVT TTYQGKKRRLPEMKKVGISDYIQAVRQILDKRTSSSKSATHTNFTST
EETANIYLATEDPRAVDEFRKALPKGWNLFVDQFLVDTSDHRVDEYNGVPKMAKSLNGRL
GLLALGSLLVGMEANDFV LND SKQLEPVDERIEAVDFGSALRRMYVRDRFETAIERQTVI
>comp12756_c0_seq3; 95 1 292 LEN=516; translated
XILRGTTLNGVGRDAPLPGPDTVRMPGGTDGAGECYHRGKARWY Y Y F P T F R S L P T R S D P P T

HTENGDGSIGMVSVSVAQGSTGCGYIRRRSGHDTTRN
>comp12757_c0_seq1; 632 67 1419 LEN=1559; translated
MRECISIHGQAGIQGTGNWCWELYCLEHGISPDMGEMANEAGGPTDDSYNTFFSETSSGK
HVPRAVFDLEPTVCDEVRTGAYSKLYHPEQIIISGKEDAANNYARGHYTAGKEVVDQVLD
RIRKLADTCTGLQGFLVFHATGGGTGSGGLSLLERLSVDYGRKSKLSFAVSPSPQVSTA
VVEPYNSVLSSTHALLEHTDVTFCLDNEALYDVCKRQLGIQKPTYTNLNLIAQVIVSSSLTA
SLRFDGALNVDVTEFQTNLVPYPRIHFMILTYSAPVISADKAFHESLSVAEITSTVFEPNT
MMTKCDPRHGKYMCCMLMYRGDVPKDVNAAVASIKTKRTVQFVDWCPTGFKCGINYEPP
KNVPGDLAEVKRAVCMVANTTAIAEALSRIDHKFDLMYAKRAVHVHYVGEEMEEGEFSE
AREDLAALEKDYEEVGAETDAGEGYTEDEY
>comp12758_c0_seq1; 110 1 183 LEN=825; minus strand; translated
QGKAAALSQSHQFAIDEETLAQTSFSLGIGGLASKKKAKKRVRKGLSLAEYLEEKAAGTL
>comp12758_c0_seq2; 211 511 969 LEN=1352; translated
MRSLFVLLLCVFAVSGADLEITNWIVPPDSDPYYPNMDADVGDITITFTWPEGITDVHIHP
TGTCDEKGAIVLVGYASGASYTFTAEDAGNELFFATDVGRRCESGQNRVAVSGVSPSPEV
NAVESSINSAASENKL SFVLSLAVGVVATMNL
>comp12758_c0_seq3; 211 540 998 LEN=1381; translated
MRSLFVLLLCVFAVSGADLEITNWIVPPDSDPYYPNMDADVGDITITFTWPEGITDVHIHP
TGTCDEKGAIVLVGYASGASYTFTAEDAGNELFFATDVGRRCESGQNRVAVSGVSPSPEV
NAVESSINSAASENKL SFVLSLAVGVVATMNL
>comp12759_c0_seq1; 334 53 931 LEN=1060; translated
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DSKTCIIDGDVRCSTSTYYVYKEFEDGGVTFAQARAATGYDADLESCVLAPIYSYQDLLDI
SDVIPPCKAAYTAAYKDLPTVYRESKTCLEDDGRIPFNCFSTLGGTLGALWGDEYRSVTT
QKMGEFGSCSLSEWFGDGEF IAGGHVWCPALRQNWFLNGKKEGGAIPPEVWNEGDSSFC
GDGPIQNAAAFATDYTSSKPTAALKAVNSGEYLPGAVYKCCQDVVTCYEGK
>comp12760_c0_seq1; 916 1 2684 LEN=3236; translated
XSSLVVPVAVVASVGLALGLGLVLLALEAYHRAVEDRQRKLLRLADRAGAIVGSMPFEGIQ
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RTAKTPDPGGADTDAALESDDLVDADMHLHAPSHRDSFLNKSGSFRWHSPPSSPRPGQD
RKSIPRGAGSRTGFRKPPVPSVLPPLPPPPPPQGNLLSRYGRKKPVADFPSTSVLMCD
IAGFTAWSSARAPSDVFWLLETIFGAFDDIALASEVFKVETVGD SYVACAGLPNAQPKHA
SIMARFARRCLRRYKSLIKKLEVYLGPDVTDLGLRMGIHSGPVTAGVLRGDKTRFQLFGD
TVNTASRMESTGTVDKIQVSETTADLLAGEGHANWVARRENLVAVKGKEEMQTYWLHRSI
PSSRSAGKPALSSGSSQWCSGGSSALNNLRTKSMSSSSLASFDLSIDTFSGDSTLSPPI
RMKSWARNERARNPKEQRLIEWIVETLMQSLKKIEADRRGRRTDRWSFGKGD TGLPDDGG
PSLGSFDPDGPFLIEIQEAI SIRQETNPP IKMSKVPEGETDLSSDEMEAVEISCIVEDQL
RRYVTAVSLLYHDHTFHNFEHCAHVLMSVSKLFSRITESKTNETGHDNSDNYAYGVASDP
LVEFSCFLSALVHDVDHTGVPNAQLVKENTATADYYKNRSVAEQHSIAVAWSVLTEPLYK
DLRHSIFQTTAELKRFRQLVNVNSVMATDILDKDLKLLREDRWEKAFATEKDSAEPGSTER
SNRIATVVEIQIIQASDVSHMQHWHVYLFNERLFRETHRSYKEGRGETDPSTYWYEGE
LRFRRFYI I PLAMKLKECGVFGVSSDEYMHALSNOSEWARKGREIVSGYMESI
>comp12762_c0_seq1; 262 1 1419 LEN=1678; translated
PSPVEEPPVEEPPVEEPTPPPTSDPTAVPTKKPTETPTASPSAAPTPTTPEQTVGAIGAFP
DATPISVIASGFQATAEKIGEATSDPNRRILRPREVLD AIEIEVLVEVIPCDPEL FANL
DSTIACFSILITITAPVWTGVNPSATTEELEADVESGDLAENLEDFGLPDAVIVLPPSEQ
PSSMPSAPPSVSAAPSSVPSLPSRIPSSSTPSVLPSESPSMQPSGVPTKSASPTAT
SSPTDSPSLSFRPSLSLIPSTMPK IPTSTPSVAPSISSDAPT PNCVDDDSYRLNGFEK
KDCAWVGKKTCKRCRTKDKRFEKRVDRFCPMTCNDCRSEAPTGAPTTYGQFLCGRDD
ANYRFKGPNDNSCSWVAKSPLKRCRKKDPTTKKKVVFHCPSSCELKCACVNTAKRFKTEE
NPDSRTKCSKITTDQCNEKAFRGEATVETTTMVEDFCPKKCNACLTADPIPF
>comp12762_c0_seq2; 167 681 1493 LEN=1493; minus strand; translated
MGQKSLTLFFSNLLSFVRHLFLVFFLPTH AQSSFFSKPLRRYESSTQLGVGASDDSIDGA
TEGVEVGIIVLVGIVLGIKLDGLKESEGLSVGLEVAVGLALFVGTPLGCIDGLSDGKTLGV
EEGVEEGIRDGRVDGTELGA AETDGGALGIELGCSLGGRITITASGNPKSSRFSARSPTST
SANSNVVADGFTPVHTGAVIVIRIEKHAIVESRFANNSGSHGITSTSTSIASSTSLG
LNILLAGLGLGSEVAGLGSEVASPIFSAVAC
>comp12763_c0_seq1; 116 335 865 LEN=1534; translated
MAPVLRRSFPRLRAVAAGLWLLLPAPRRSGTFHRCHGFSVPDPPAGLPHRLEDWEASHV
GDWLRVSGFGRYASGFASDFGGTGVDGDRLVYLGTEDQLDHIEYQLELVGVADRSDQAVL

GAAIVGLVALERTTPGDLEALARGVLRPGGTTQAGGGPPEPEDPAAPGSVVGHYDI
>comp12763_c0_seq2; 116 335 865 LEN=1448; translated
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GDWLRVSGFGRYASGFASDFGGTGVGDRLVYLGTEQDLHIEYQLELVGVADRSDQAVL
GAAIVGLVALERTTPGDLEALARGVLRPGGTTQAGGGPPEPEDPAAPGSVVGHYDI
>comp12763_c1_seq1; 355 59 747 LEN=747; translated
MATNTKTDPRHYLNLYNGEDGSEESSIEDMSRDIGHGGDCEAISYEMISDIEMSGVDAS
GIDAVADVDESFFAEKDDGSRGLLDDVSLGSHHSLGHAGHASSASSHSGSILAPPPGN
GHESLVDLDSIEGTDGDSEAEQEALQDDDDDEEEVEDYENIYENVYEPQDERRTYLNLNLN
PNPNPNTNTNPNLANAQTLSVVQRLLPNEAEEMSVSSIPRSALPRITG
>comp12764_c0_seq1; 1831 1 6528 LEN=6646; translated
NRTKQNRTSARYVRMRTRTSYTGSYSEYSCALCNTNVSPTAMKNNESSRITADSGWVKRVD
PGTGRVIFYANHITRKTQWEPDGDWVGESPPTRPFQSRNNEEPLPSNWETMHPDSTGKPFY
VDHERKITQWTRPRAEKRQEKQLRPWQQPASAEP RPSPHSHKGTSCGSRNTYSEEAAYNQ
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CSSHRVDLPLPGPEFDKPVRI CDFCNEDVRQGNFFSLRRYLTPALFDPNLPDGDGDFD
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KKNPNLQRWSAATVRNLVVEDQRRSCLAINVAACFATGETTASLGYESLIDQMVS SGGI
MILCSLVGTDDSDTRTHAIAALGAVISATRAVDEALASLYEMTGGVVGRDTKKDGDI LRA
ISASGGCGSSVSQLLLSADNSVASTGCQFLASLVRPLLLDPLGCATLPPQYDWRNDDSGM
GACREAAIEIASESCLPALESLVREKGRTSRPAELRRLAMETLAATVMAVGEMGKSWAGG
KYEEGMENNGSPATLLRAVASLNDEGLIDMALEI LESSSMQSLGSKDTPARIRECAGI
VLGSLTSCSAEAIMELHSRHLSSSLVLAANDDSMAAPSNLRGDTSPRCLGMLEAASAVLM
FAWQHPSGASSELLDRLIELLDAGTITYLFRMMTSKIDWESRDKSSGGMKARSAACRLVC
CLFGIAMTDKTAIGMRRLMDACDEDEAQRMVNRGNPRNIMEAVLTVLQKSLVEAHKVLVGG
ASRGPYQAALLDLVECSILATGSICGSVAVPDGGDGTMIKGDAMLSMRVDEFESRRKEV
CSVACDVVVRGGRSGPALLPTLLVGGFGEVSPASLRALALAIQNGNDDQHSKLALSGLL
VPVSDLLRVSLARGDLYKFSAAALVRFVCGPHVAAGGRGGVQSVREAIRVATNVLTLPNY
SDASTGQIENWEALKSECINALESLSKNAALWSAISTDALPSIVTYLHDSFEAEHNPET
KSSALRAILQIAQVP SHAVSAAEVGLARP IGLLLKSNNALCARGQVRDRNMQALGMEVLH
VLIARPESSRRHCNLLQGDILRAVCAVVALSVTDASNYQSETMEKITVGLGLEILLFALGEV
ESSGNEDTAVVLQSQGAI AFLDAVSSEGLFVRTLCSTLLTKTGMKIMSHESGCGDKETID
VPDLYGDPLL FVEQKCAFNDTYDAAASILFATMAFACAI ESHTSEILWKYILLQDLHEE
REVNECVRTSSTFCAIYLRLLMEDFVGFI PKRAAGKRDYENLTRPLIRYRLLES LKTA
ELTSESVLGHREIDAYMLSLLVHFNVPIYICLLVWRDPALLELSFQLIKVMVEADPDEVIH
LFVESKEAITSFLDLLNDRSTETHIEVDEIQRFLAMTLEKLAQGGVLADAVEKFDVRSI
AITALATACLNEEDQAADDEEELTSSKLASDLMHTLVELCTVSNGEEEEKIELTPGEAEA
IAVSLGETICKMVIARFLERAKLQOYEIEEDENIMNTPDVAMLCAISQHDIALQNLRSFG
GLHAIAMIAGEGEITAILALQKCKEDPSELLIEADTYASILSFLSLEKDHL LFKRDKLLG
CKVETAAFELLAQLCVASSKGR LAVAGARDFQNSLDTALRI ISEVLRINDEPAAEEDKK
LNEIEDEEKEGEGSRDCQNA PKSMGDPKRLGAAYSFLSAMTP IPSARITLLNNEKFVQAS
STFISDNDRNLQFAALRAVVKLAPYSTGNGPLSTDNVGDLLQSALAAEPKFS DASSTGW
NRNLFHVQAAEGILSVFDSL PASKQECIFKDVIRRYIKLLKSHSIARSTKM SERAHAGEL
AYNLTTLIMVARGKDCIARLFDSDATVLLVNTVQWRYDPKTVVEPDAATFWDATTTQCLQ
ILAQLLCSDISSSRKSGINVRSLKNSVFMVARVGVKAPRKAIDFISALKLVSKNGEAAAKV
ASQRILSYMNNNNTS
>comp12765_c0_seq1; 310 216 1541 LEN=2190; translated
MASANSGGGASKPFEWLSGGLFFGGGNKEGGIESIDSEKNIKTLLEGIQENLGATANSA
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LADKSGDNNGGLIPDLINNLQSLPFESRKHVA AIFNYLLVCGFDGIDRDVYIPVMKRF
DYVALNFEVIVSAIVNGHNVSSGPGCGNTT DVVLHCGSMYRSCFRHVHLYGQLVVTTRRV
EQFVFPFIDKYALLPNFDVSSDAMESLKLVMTAGTTS GSDSGSDSI IMTP IDEKSQQQMA
ELAATFLIRDYEAVWIRRFNSKLLSTDANYMTRVALQILSTVLLTRSNTVMIKYVNSR
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EASDQQFADEKRLIIATIRDL
>comp12766_c0_seq1; 409 356 1519 LEN=1754; translated
MLSIASKRTIPVARSVGLRTPGKERRARLATSTASASQSANNRRRVSRRAWLEIKESRG
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EKLRIYFGTLEWDAQSYTDQMEDAKKKLKEGKAPDSVDES LIGYYQFPEEEPFHVREQQK
AIETL NESDLVVTMSAS PSSLQIEDVVTKSVAAKTIANEKNLSELFYSSSASTQSDNTA
VAVDFLDQNNLEDTVNKSN AEMRQPLSGGSLMTDVE SMASNYGTS DSSSSASQRLARDTQV
ASKWTYTQSQQQASGKPSQEGISGASSISQLTDVEMRMGQLEHNI SELEASLRDPNSTR
IDDMTTDLRNAKRELSKLRWKRFRGLV

>comp12767_c0_seq1; 70 1 630 LEN=1356; translated
XVRKAIP SATIENCSDSDPTLSRNERNCIFETFFTHSLIHSLLRQGPSEEF CYADIDAA
YKFLRYDL DVQAQNI VLYGRSLGSGPSCHLAAGTSQAEDPDSGGPVGGLILHAPFLSVYR
IVLETGCTVYGD KFPNIDCAPLIKSP TILVHGTADQIVPFNH SERLYEALPTDSRARPLY
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>comp12767_c0_seq2; 162 266 1093 LEN=1819; translated
MGDTVSTLLFQPPPPTKLKENKIIWLKTPHGKRIPGFYIHYGKFNGEYASRSLTVKELQA
ANTSEGITILYSHANAEDL GSIYPWCKFLSKMLRVNLFAYDYTYGGMAYDQGKPSSEFCY
ADIDAAYKFLRYDL DVQAQNI VLYGRSLGSGPSCHLAAGTSQAEDPDSGGPVGGLILHAP
FLSVYRIVLETGCTVYGD KFPNIDCAPLIKSP TILVHGTADQIVPFNH SERLYEALPTDS
RARPLYIEGMGHNNVH SVVRPMFVARLNEYLDEEVW

>comp12768_c0_seq1; 747 156 1549 LEN=2056; translated
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SLPSYGD SSSSSAKAKAGDNAPS FANPFADDFSKRSEEEAPAAAPAAAPDTSAEDKAA
AEA AKQAEKEEAQRKANXKAAAREAEKAAEKQAAA EKKLAEAEVARKKAEKEARREAEK
EKQRLAVQRANEEKEEKAAA SAASSAPAETESPSFAIPDFKAPEFKAPEFKAPEYNLDI
PEIKAPDIKMEVSLPKFSMPKMPKMPKIETPSTSSETPKAPSF SAPTFEAPKAPSF SAP
SFETPKVPSFSTPSFSSSSSSGEYTS LDDVNTVDDQEERDQKAKEARTAFNEADSNAREL
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>comp12769_c0_seq1; 316 81 683 LEN=1770; translated
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>comp12770_c0_seq1; 741 513 3377 LEN=3442; translated
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TLQSVVKRIE SDSLGPFFLGAQPSFVTGPVAALVNMYGYPQISSE NVAQLTRQSVGRPL
LTINFDDVTTTKAFVWYLK KKKIKHLAVLVVNDQYGLGFLDRLQRQVAIEKDVLDVKPF
YLNVDGSNLEETMIDIRNSMYRFILC LQHGT LIRVHTMMKNAVQNNVAGNGKHNWFFIYD
LPEELFDSIQNDFSLYKAYHGVGFFGPAGGKPSNHDS PSLYESFHKQLLALKEDEELIS
SLVADNGNTSPPTQRNETIQFLNDESFLDLP SRDMLP YLYESAILAGLTACSTARDGIH
LTGKEFNKAVRKNNFQSITGHVRFDANTGRRCDNSTYFSMVNHIGKHYDYFDDSN TSHSE
GRFDFEWVTTDVLNEGKWE E IAPFTYSSNSTDL PDAVEPFEEKSEVMSSGFKVFAYVLCT
VSVTISIGLAIWTLIHRKERIIRASQPFFLLAICCGTILLAATIIPMTFDVAPSHFMNEN
GEFYDVSERNCRDWNVI EEEKQCVEMPQSTDRMMFACTSIVWLATIGTTIIISALATK
TYXASEIPP GYIVLTLSTPFSNHTFCFNVGYRINKIMQA AKRFKRVQVRVRDVVWPMVAF
WVFNVVILSLLTAFDPVHYDVAVNFDAFGRPSTSNAYCDFNVYNH SKYFAPIILLNSAV
LWFALYQSWLARDLSTEFQSEHIYKAVMVMLVVT FVGM PGVFIARRNLNANLFLGSAVI
FVMCISVSLMLFYPKIRYIHGTENQRFTDSKKE LIRSKTLVFNASR SSMVFPKPGEKDAD
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>comp12770_c0_seq2; 783 513 3291 LEN=3356; translated
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TLQSVVKRIE SDSLGPFFLGAQPSFVTGPVAALVNMYGYPQISSE NVAQLTRQSVGRPL
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YLNVDGSNLEETMIDIRNSMYRFILC LQHGT LIRVHTMMKNAVQNNVAGNGKHNWFFIYD
LPEELFDSIQNDFSLYKAYHGVGFFGPAGGKPSNHDS PSLYESFHKQLLALKEDEELIS
SLVADNGNTSPPTQRNETIQFLNDESFLDLP SRDMLP YLYESAILAGLTACSTARDGIH
LTGKEFNKAVRKNNFQSITGHVRFDANTGRRCDNSTYFSMVNHIGKHYDYFDDSN TSHSE
GRFDFEWVTTDVLNEGKWE E IAPFTYSSNSTDL PDAVEPFEEKSEVMSSGFKVFAYVLCT
VSVTISIGLAIWTLIHRKERIIRASQPFFLLAICCGTILLAATIIPMTFDVAPSHFMNEN
GEFYDVSERNCRDWNVI EEEKQCVEMPQSTDRMMFACTSIVWLATIGTTIIISALATK
TYRINKIMQA AKRFKRVQVRVRDVVWPMVAFWVFNVVILSLLTAFDPVHYDVAVNFDAF

GRPSTSNAYCDFNVYNHSHKYFAPIILLNSAVLWFALYQSWLARDLSTEFQSESEHIYKAVM
VMLVVTFVGMGPVFIARRNLNANLFLGSAVIFVMCISVSLMLFYPKIRYIHGTENQRFTD
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SVQLEEEIKEQTSYSDDLNSNSELE

>comp12770_c0_seq3; 468 513 2095 LEN=2095; translated
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TLQSVVKRIESDSLGPFFLGAQPSFVTGPVAALVNMYGYPQISSENAQLTRQSVGRPL
LTINFPDDVTTTKAFVWYLKKKKIKHLAVLVVNDQYGLGFLDRLQRQVAIEKDVLDVKPF
YLNVDGSNLEETMIDIRNSMYRFILCLQHGTIRVHTMMKNAVQNNVAGNGKHNWFFIYD
LPEELFDSIQNDFSLYKAYHGVGFFGPAGGKPSNHDSPSLYESFHKQLLALKEDEELIS
SLVADNGNTSPPTQRNETIQFLNDESFLDLPSRDMLPYLYESAILAGLTACSTARDGIH
LTGKEFNKA VRKNNFQSITGHVRFDANTGRRCDNSTYF SMVNHIGKHYDYFDDSN TSHSE
GRDFEFWVTTDVLNEGKWEIAPFTYSSNSTDLPAVEPF EASGKKSX

>comp12771_c0_seq1; 275 154 945 LEN=1858; translated
MATICLQLGSATASDTSSYSRAVAKNADDIASAKNGIVASSLEKLDVFDIGSELGVSYN
PMELANWAPFLSPTS SVVTIQIRGSNSTKIDLQPIINTSFLLAGLVGASERREADGSRVLT
TKPKVIPKIGAAPLRKKNNAVTVNLGNFELDGGDDDDVIDEDGLLDDDDVLAPPPAMGASTK
DDDCAGRKPCDNCSCGRKEIYEAEQAGERGAADSSRQRPQVPSSDCGKCNLGD AFRASC
PFLGKPAFKAGEEHIVLQMTDDL

>comp12772_c0_seq1; 572 80 1270 LEN=1669; translated
MANDGKGPNERKRSPHLLSSVARSNSSSTPVASGGSQSPSPSPSTTTLYHPSIFRYTCTG
KLALDSRNGGQSKASAGVCHGIQSKLEHIDHWRLSTREEAIKQFEYKSAMDYSSGAPEDD
YNSGGDQAGASSAHAEQAVYLSNVLLYPPPPSSGSGTDDDEAEDGKDGRSKRIETMAM
TSRKNSDGSTTIRPKEDKIDCYGSTEVLLVLRPQNAKDESIAGVASFCAPGMTLRDVAI
SPTNIGIGSETGGRERTTTIRLGILEIVYASVLEGLEEDEPGNKDDDKNQGPNTANADPD
QKSGPGVGEPLSKGWLFSGAPERFVSSGEKILKHSINGKLLYNSVQDDFPTRTYEASKR
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>comp12773_c0_seq1; 200 1 996 LEN=1114; translated
XAVDNVSSALRAECARGDGR IKRKEDDRRKNIKPSDTL FVVRK LQSCII LAVFSMNIDFA
DDVFVRCSRCMREIFWLRIHLALI IASNYXALQVNFQEETTKREDLKMLFEPFGELVRI
DMKRNYAFVQFGSVDEATRAKSATNGGRLEQSVLTVEYVARQRNRNDNGRRGRNRDD
RGGGRYRDDRYDRDRGRRDRDFRMGDRGGSSMDYDDRGRGRDDFRGGRDDFRGGRDRSPY
RGGSPGRGGDYRRRSRSRSRSPPRGDYRRDDRGGGYSRSPPRGRYDDRDRGRNDDYRDGG
RGGGRYDDDRGRSPEMYRGNDRGRDDRGYRY

>comp12773_c0_seq2; 931 313 3222 LEN=3264; translated
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NLAVVFSGNCKADDVIAKGVGAPCF PFFGWQDADESADSSGTSSPRGKQRRAGGVGKTI
VVTADNELMSRCRRAAKNEYHLVNPQTFLDLDLEWVANEVREKREREREQQQESDSNDEESS
VSTATSEALSLEEEFKLSRLDTEIKLRGQLIDAEVQLGDRKRKGNITNKRRKKLEARVK
SLKRKLALRGPSLLDQLTRAASEEVGSEESDEQDANRLLREQQDLLLEKWRELQYRPPRK
EQTGDRVIYAERLRRLEADEQVTTDMIEIGSNESESEAKKSLSSARL FVQHVNDGELFA
TTKQQRSTARATI INLEDAVLAKQNALLSSPAPKLTKEQRLALMTSGPVEQPEASSNRS
ENESTYNLPPDVTVPLSPEMSTKERLQFKVDKDLQTLDIVVSDTHGFEGQLGDDL PKGD
VLLHLGDFALEGSTEKESRGLAAFDKWLAKQPHDYKIVIRGNHDPFKVHFPTSKALYVTN
PTSISVGGFECALVPHCNARKLSATKGLPPTCDLVASHVPPFKVLDRTYSGKHVGSFLN
NFI RGMALGPPKLWLVGHIHEGRGVAKRTFAKNAKYARETTVINASNANMGCATHLEHGP
IVVQINKEDSEVKILQMDKINRSIASEANA AFFRHPPAAADATKNDTTKATENSLGY
NQLLMAVDLGLKSGVSLFDDRGNLLRYEQFLFDRENLOEDFEDI IYQWEKEAGGSGDDQE
SSSSKITHIAIEGGDTALLDTWAQAAPYHSILRVSP EEWSELLSKKESQNGGTAK EAS
RLIARQVVADFGTMDQHVGKFP TDVAESVCLGMVARRLGWI ERPAVRRYTNGNIVTPK
KVKQPVL T

>comp12773_c0_seq3; 511 78 1325 LEN=1443; translated
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NAADKDNAERYVAAISGMAVDNVSSALRAECARGDGR IKRKEDDRRKNIKPSDTL FVNF
QEETTKREDLKMLFEPFGELVRI DMKRNYAFVQFGSVDEATRAKSATNGGRLEQSVLTVE
YVARQRNRNDNGRRGRNRDRDRGGGRYRDDRYDRDRGRRDRDFRMGDRGGSSMDYDDR
GRGRDDFRGGRDDFRGGRDRSPYRGGSPGRGGDYRRRSRSRSRSPPRGDYRRDDRGGGYS

RSPPRGRYDDRDRGRNDDYRDGGRGGGRYDDDDQGRSPEMYRGNDRGRDDRGYRY
>comp12773_c0_seq4; 274 78 494 LEN=1029; translated
MDDRAVTSSEDPVSENKDPVGGDSADADGNANANKEAEGKESAENDGKEESTENGGVSSA
AMRPIFLGNLKPNYQADDITSIFHKPLDPPGSEPGAFFKPIVERLDQKRGYCFVFLKDAE
NAADKDNAERYVAAISGM
>comp12773_c0_seq5; 500 78 1763 LEN=1881; translated
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NAADKDNAERYVAAQWNEDYTNYDAFISSLPVLSHQCRARRINQSFRFTSGILDIVFA
GRISCSFTDHYGCTHILLPPFANISSYHSTFSSIVSSALPIIHLYGIFHLHTYRNAIRI
FLFLPTSSPSSSSFASLSTMYHNTSLNSTTDSYIAMVPCNCYEXAVDNVSSALRAECARG
DGR IKRKEDRRKNIKPSDTLFFVNFQEETTKREDLKMLFEPFGELVRIDMKRNYAFVQF
GSVDEATRAKSATNGGRLEQSVLTVVEYVARQRNRNDDNGGRRGRNRDRDRGGGRYRDRY
RDDRGRDRDFRMGDRGGSSMDYDDRGRGRDDFRGGRDDFRGGRDRSPYRGGSPGRGGDY
RRRSR.SRSRSPPRGDYRRDRGGGYSRSPPRGRYDDRDRGRNDDYRDGGRGGGRYDDDDQ
GRSPEMYRGNDRGRDDRGYRY
>comp12774_c0_seq1; 471 318 1130 LEN=1388; translated
MMNRRAPVKEQKPPMNEEVPVGDIVTATNAKGDPEPLGIMSRDEALAKAKEMGGDLI
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LKFLKQGNRVKCSVMFRGREVQHDKLGYLELKLAEEMEDMCTREGRPKREGRNLSMIVT
PRPEVVKQVNADRRANEKAKKKKKEQRLKKKKEVAEAAAAASAVPASIEVSKDENVNGKS
GDDLLDLEKDISSLDDLFGSDDLTDLLFS
>comp12775_c0_seq1; 719 1 2315 LEN=2454; translated
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ELIAELLEHISLNQEGEAILVFCPGAFAEITKTIEEMYKKEYFQGNVVIYPLHSSLSTDE
QVAIFEIPPEGVRKIVVSTNIAETSITIEDVVFVVDTRGVKENRRDEVNETPTLEECWVS
RASAKQRRGRAGRVRPGIAYHLYSSHTHDDMLEYQLPEMLRVGIEDLVLQILILDGEP
TSFLKKALDPPSNLALSNSLKLLEELGAVDCQWKNRKSMAFSSKKEKENAEDDLVSSSEL
TALGFHLATLPVDPVGVKMMIYGALFGCVDPLLTFAAAMSARSPPFVSPFDARDQADAARK
TFAVAGSDHLTILNAFNQWSELRRTEGNRVVNEFLKENFLGRLLTFQMEDLRKQFHSLLT
DIGFLPRKFRKSDSDHACNNNSEIKXLIKAVLCAGLYPNIIVAPRSVVAKPGLAPKSNK
KVGENAFRSHSKGEVYLHPSTIAFDESKLESRYCCYHELIRTSKTYVRDCTTVSPFALLL
FGGTLEVFQTHGVCSVDGWLKFKIDAKPATLIKYLGRKMERLLFQKIVSPHEDVIESEEG
KALIQSISRFLFETEEQQRKVEAAKIPDRRGGEIVRPWTGIEDENERLRDIQEEANRRNSG
NRNGTHNSRRSKNTEESCNGRDNPNPSREGRGGRGRGGKKGGRSGMGRGSR
>comp12776_c0_seq1; 184 759 962 LEN=1128; minus strand; translated
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RVVPVKA
>comp12776_c0_seq2; 184 609 812 LEN=978; minus strand; translated
MTHRYLPLSRPMRLTLTSLPLSALLTSFRAIKLVDEESLLVAIEPTGDSGVLYPRRKPLI
RVVPVKA
>comp12777_c0_seq1; 1109 81 3530 LEN=3537; translated
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IIHPCSHPEHGPQPKTEEMEYENVCHYVDRLFRIMRPRKLLYLAIDGVAPRAKMNQQRSR
RFRSAQEARENLEVEENIRNELIKNGQKVPKAWDSNVITPGTFMRLRLADFI RYIR
KRISTDKAWQNIRVIFSDASIPGEGEHKIMSHIRLQRSQPGYSPNLVHVLHGLDADLIML
ALATHEAHFYISREEVMFGRKSQEMAERRQNESGFRDRQRQFDEEAGDMAMQLIENKQTP
ICRVSIPIREYIAVDFAQCIDSRLPFAPSLERLIDDIVFLGFFVGNDFLPHLPSLDIR
DGAMDYLFNVIKRLPSLGDYITNHGGQVNLSHVDVILA EVGSI EDYVFTMKHENEMREK
ERREQFKARKKHANGRSLDDPRNALQKKTKVMGRAARILEKEKAERSLKKEVKGKFNIS
HMSKDNLKAVALKESFKKSATKNEEDHDKVKNVLDLDPDKKDQDNKHEVCTESKKKRK
INEVNGDAEVIKDTNTSGIGEVGNI DEEFEDDGEDEDESPSDIAAAFKERVKDEQKKLD
EYARTVEDKVKLHEKGWKDRYYSKCKADDVANHGGRHLFRSYVMGLCWVMKYYYEGCP
SWKWYYPFHYAPFASDLRNIERYQKDVMSFELSTPFSPVEQLMGVLPDSSSHAI PKAGR
LMSDLESPIIDFYPPSEVPVDPNGKAMPWLWVLLPFIDE DRLLAAMTPTMSKWKQELLC
NARGLDDGYVFLHSSHPLAPKFHVHLEQEGKTAKASKQKISDAASYGCPGFTGFLRPPLGN
EIIPESEVVAPPEISSKAVMTSEDNLF TDGISKNMCLCAAFSEPPKLSHKSILLPGTILP
QPVLLDEDKRISRPLNRGGQSIAFMGGDQRQSHQSGRGS MNISSYERDLAQRNGRGGDM
NKAGTRSWGSFEPTPKRQFTARNPFHGNARGPPPPPPRRPPFQQHQDPRHGYRQNYNQOR

NQRNQQQHARHPNYNNNLPPFQQNPNQGYQNQQYQGHQMPPRGGHAGGYHNYSFNQRQQQ
PRGSNQYNSRGNHQQQSQQRFDGRHNTAGPSIGGRNASGAVTNNVMNSLKAQLKNTLK
QNRREGNDRR

>comp12777_c0_seq2; 663 81 2084 LEN=2084; translated
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IIHPCSHPEHGPQPKTEEEMYENVCHYVDRLFRIMRPRKLLYLAIDGVAPRAKMNQQRSR
RFRSAQEARENLEVEENIRNELIKNGQKVPKAWDSNVITPGTFMRLRLADFIREFYIR
KRISTDKAWQNIRVIFSDASIPGEGEHKIMSHIRLQRSQPGYSPNLVHVLHGLDADLIML
ALATHEAHFYISREEVMFGRKSQEMAERRQNESGFRDRQRQFDEEAGDMAMQLIENKQTP
ICRVSIPIILREYIAVDFAQCIDSRLPFAPSLERLIDDIVFLGFFVGNDFLPHLPSLDIR
DGAMDYLFNVYKRILPSLDYITNHGGQVNLSHVDVILAEVGSIEDYVFTMKHENEMREK
ERREQFKARKKHANGRSLDDPRNALQQKTKVMGRAARILEKEKAERSLKKEVKGKFNIS
HMKSKDNLKAAVALKESFKKSATKNEEDHDKVNEVDLDPDKDQDNKHEVCTESKSKKRK
INEVNGDAEVIKDTNTSGIGEVGNIDEEFEDDGEDEDESPSDIAAAFKERVKDEQKKKLD
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LFHLVVVP

>comp12779_c0_seq1; 218 211 1106 LEN=1106; translated
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VATPGRGTAPGHAIFGTWGGGAIERYDVYRPASPEAARETAGERNRRETEREKQRLGRR
GKSKSKSNNHAKSKSTTDHEELVVEADVRFVTRNLNGHTGIVHGGILSLVFDLDMGFACDE
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>comp12780_c0_seq1; 444 1 1525 LEN=1853; translated
XKKPTDGSEERYTYRYPYDRFGKVLNSRWTTERTVKEAVSRVYVSECDNAANEVASILSGLA
KTLQDDGHIPAIVQSSHLNVLVSTAFHHAIKATNSGWQLATTIETSSSEAQFVDVFPYW
MHESRAVKNTFDLSSMILLTAPNMSGKSTLMRSTAAAALLTVCGLCAPLSSGSRISRFDT
LFLRGASSDVPTEDKSAFGAEMGDLAALFRCSGPKSFVVFDELGRGTSPRDGTLAGAVL
ESMADRGMGIFATHLHGVLDPKRDRIILTKRIKIDRDERGTGTVEWTHELEDGFCTDSM
ALVTAERFGLPEDILRRARELTVSVPGMIQGQDNCGAQSTENDRDPRAVLSPSDDQVAGH
ASPEAVTTDNQWKEFKNLCHQEFRDVVGGLASELLVEANVTSTVEVPPRHPPPSLSNRSCL
YILQLVPKSRSSITGVRYVGETDSISKRLSQHRKKGAWGCSGAFVFPGLGNKSQARYYE
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>comp12781_c0_seq1; 209 1 1044 LEN=1111; translated
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KHWEFIKCFKERDECAALVQRAQRMSGIYNEAMEFQKNADQFPLIDDEITAHFRFGSPQF
NRFNSQKRNMKGTSSSLPRSSALVLITQPSPRYQSNRPYHTWTRTGNRSGSKSKQLDHDV
DKDTGNAFGIVSGLLKRKHLASKHLSQRTKLRALKKESQSRIEFLNSRLVAIKAREKS
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>comp12782_c0_seq1; 405 216 2341 LEN=2730; translated
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NKTISKEMITKLSQKALPTNLQARRMPLEQMPNHQNMVSASLVKNFSEPPPTENNTAV
VLVAMGKVSNNMVERCVRSIRVGGKFGGTIVVITDGDGYARYSETLLGNTVAAANASTA
TNRIGRHIDSKQRQIIVMENREEDRTPKTKDGTVDVKHYKKRVNMYKRYKTLVLKYIEQA
FEYAYTHDKTDHSNRVLPKHALYLDVDNIVTRPLSGFFEDYDYSVRLQLVNSIQQGA
TSSKNTFDNETTETVESSGEFSFWSFWRDPHIRTCKATEHLWQSGQIMLSTEHSSQCLDA
WRYEMDHTPHNMDQAVLFQMYAKNSTNKFCRFFELPSGGSKEQESDGSNSNPSKNSKPKN
RHFQLLSLELAGGIHRSYPTIVHVTRSRLEFRDCKKSHFRFLENSLYLNGNASSENEPNP
RQSTGTIDPHTIDSGMTLKGNGVTWKIIDSFVEVDLRQKRKDKRRKKREHNKRKQENL
DHRKENTNKXKEEKEKEALRGDGLKEAKQKTKDKE TMDGAI TERKRRGLRSRTNNQMS
NFVVSVDSDSIFLPWMRVVGCIEQASLNENCSSQNEQFLPARETQYSP

>comp12783_c0_seq1; 203 19 827 LEN=1436; minus strand; translated
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LYEGRPVRKEFKELVVEDCHLLGVLVLEAAGQLVQHVGPEEDRLLGNLDPVWRWFGAR
VLSAPQQSALLVAPAEQHDVVARRQKSRGLFERSHRVRCRRQQRSGRFSRCPVLDARELD
RLNGFPPPVVHLAVVVVPPFLTENNHFRA

>comp12783_c0_seq2; 1004 1 4422 LEN=4644; translated
XATTRISTASVETAEIVFQSFAGFLGGIRPVIRLHESPEVREGATQIRDWLVQTLATSNG

LGEVLVYYATAPVSLGLVAKMEETITDQSI AEQVAKDDVSES AKKYGAWYSFSSNYKGQS
SGIALSKSRVLEFLSGMTPGDFDLEGIQARGVVKDSNPNGVATLDAAWSSIRLLSEWASH
VEDIAETHLETPLCTKQEFPLEGEANDIITKLSPOQLLCTAASMPILPYSDSRLSSLWQS
LNLSAFDLLLPHLHSTEGEQDPNPLSIVLNLLNTCIAQATFTLPKAKMADSLLLRILV
QSARFPSLLKDIVERGIRLAGEGDPKRLAETNKQDFLNAFLGLQILSCCVASAPTVDVV
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FLSQGTASDKESLWKEVDQRQSVFISKLVFVVSQYANTDNLDKRIDVSNETEFARVSTM
SFMTSAFEIITNAHVYESSKEGQATSSTTDVLKFKSKCRRLIRAENYSMSVRSTKEIWEI
AKDAGLKQQDPAALLSSFPVAVSSTLQPNNFYRKENSFDLSSLAKWLCIGGAEMDDDDYI
NDALDKASLLHHLTASESSLMEAWKHFL EIAIFNVYYSNGCVITGSNMQILKNMTLETFL
SLNDNLASGAAQTSSTPFMSREICQMSSSLGDLFLFQLEIGAFDLLPLDELKIALAL
SESMKSLQDVSCPRLTGESESNPLLQEYCTQHQTLLSCALVICGLIEKHECSRDPDHGEQG
DIYTSLCLTNCTFVRAFSQLCNKKNISAKTNTTIIRSCASLFTFLVIGYQSDHSSDSSYT
NLLSKSFHEYEVLKLLMQYATYLSFVKEKLNSSSKNQIPSEEDRDILEAIKAVFNLLYAI
ADTNDPEIISTLYAVEFSQLAVRNPLFNLRGPSWSQQDQMQAQRGYIFKRETVMISNEQ
SSIYVGSSEDSVYEIWLASMQVLGACVRTSSHYLNKSGSNDLSTGFLEMAIEFLRVHRSPL
LACLQSCVQPSKMTLALREAKELLAMVAELCKRNVRKSFVSSNLDLCEEFEIHTKVVT
SLSKFLGAVGTSCELFATIEEYESTDQDRFDDLKSAPLSQLRLLSLLSIGLPMKQKAMRL
SNFAASRLEKISQDDFQAATVVPDHFKSLCQKRVYSESESERICRQSVSNEFSLDLVKASA
ECICQALSLLVRTHAMSKSFYVFEADRAIDVMNLVEPGIVIGYRPNVQIMLFGSSGFG
SLRFRVLSVDTFSRTWEVVLRQEGNNDYSEVHDGRRETQAVQLAGIEDRSARKPSTS
LLSPAPDTMASFEKAPGFLTTGNYIMLLRWCHQQSTLLRGGEDASSEPPPYVRQIAEQAS
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>comp12784_c0_seq1; 380 157 1194 LEN=1267; translated
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>comp12785_c0_seq1; 301 1 1075 LEN=2020; translated
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>comp12785_c0_seq2; 443 1 1726 LEN=1875; translated
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>comp12786_c0_seq1; 297 403 1139 LEN=1207; translated
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>comp12787_c0_seq1; 1171 76 4044 LEN=4277; translated
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>comp12787_c0_seq2; 749 76 2481 LEN=2598; translated
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>comp12788_c0_seq1; 372 266 1606 LEN=2436; translated
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>comp12788_c0_seq2; 372 199 1539 LEN=2106; translated
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>comp12788_c0_seq3; 223 805 2222 LEN=2395; translated
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>comp12788_c0_seq4; 355 199 1689 LEN=2256; translated
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>comp12788_c0_seq5; 259 872 1948 LEN=2515; translated
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>comp12788_c0_seq6; 197 872 2278 LEN=2278; translated
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>comp12788_c0_seq7; 317 805 2264 LEN=2508; translated
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LHELIN
>comp12788_c0_seq8; 353 199 1730 LEN=1903; translated
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>comp12788_c0_seq9; 300 805 2414 LEN=2658; translated
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GGLDMTQAGGFYSLRLDGIQYRES DIGXSAYKGHQYLTITTTAIRSDSCKHKQLASLHN
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>comp12788_c0_seq10; 242 805 2031 LEN=2414; translated
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>comp12788_c0_seq11; 242 872 2098 LEN=2481; translated
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>comp12788_c0_seq13; 310 266 1936 LEN=1936; translated
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>comp12788_c0_seq14; 336 199 1880 LEN=2053; translated
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>comp12788_c0_seq15; 355 199 1689 LEN=2519; translated
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>comp12788_c0_seq17; 430 199 1922 LEN=2166; translated
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>comp12788_c0_seq18; 259 805 1881 LEN=2448; translated
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>comp12788_c0_seq19; 240 805 2072 LEN=2245; translated
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>comp12788_c0_seq20; 430 266 1989 LEN=2233; translated
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LLVLNEADVRNNDLDDIFISRIVGGDAASVGEYYPYFVQPLAVGCGGVLIANEVLSAAHC
GDFSKRFDYNTGREKQMQVIGNTQRTSINNGVAQVRYCMEYVINPGFEFRGDSIDADNF
NAPFHYDYALCKLDVPVYVDDRTPVVLKLTDSSSNAFPVGSVDVAVGFGTSMGGDVSQ
DLLKVTQVNSNQEATTSVPGATDKIERLTRDIYNENSITEDNICASVRGGGKDCSCQGD
SSGGPLVKKGEVPAGSKLRRIDTHVGVVSFGLGCALDHFPVYARTSFAIDFINRTVCGQS
RSPMCKEWRDGPVVCDPSTEQLLLIQVVTANPDQTSWSLSTNSGSDVLPQILRSADDY
DQPPFFVYEEESVCLERGOQSYTFDIQDEAGDGLNRSFKAGGLDMTQAGGFYSLRLDGLIEQY
RESDIGXSAYKQHQLTITTTAIRSDSCKHKQLASLHNPTLFLLASDSGLTEHFIFPCHFL
FIKLCPTFTVTDSNDLMITSFPMDMALLHELIN

>comp12788_c0_seq21; 353 266 1797 LEN=1970; translated
MKNRKSQVSKAIWGSVLLMAVTATVTNALPEIHTKPQDTTASGLLYPWLTRDRGDESSP
LLVLNEADVRNNDLDDIFISRIVGGDAASVGEYYPYFVQPLAVGCGGVLIANEVLSAAHC
GDFSKRFDYNTGREKQMQVIGNTQRTSINNGVAQVRYCMEYVINPGFEFRGDSIDADNF
NAPFHYDYALCKLDVPVYVDDRTPVVLKLTDSSSNAFPVGSVDVAVGFGTSMGGDVSQ
DLLKVTQVNSNQEATTSVPGATDKIERLTRDIYNENSITEDNICASVRGGGKDCSCQGD
SSGGPLVKKGEVPAGSKLRRIDTHVGVVSFGLGCALDHFPVYARTSFAIDFINRTVCGQS
RSPMCKEWRDGPVVCDPSTEQLLLIQVVTANPDQTSWSLSTNSGSDVLPQILRSADDY
DQPPFFVYEEESVCLERGOQSYTFDIQDEAGDGLNRSFKAGGLDMTQAGGFYSLRLDGLIEQY
RESDIGXSAYKQHQLTITTTAIRSDSSAR

>comp12788_c0_seq22; 355 266 1756 LEN=2139; translated
MKNRKSQVSKAIWGSVLLMAVTATVTNALPEIHTKPQDTTASGLLYPWLTRDRGDESSP
LLVLNEADVRNNDLDDIFISRIVGGDAASVGEYYPYFVQPLAVGCGGVLIANEVLSAAHC
GDFSKRFDYNTGREKQMQVIGNTQRTSINNGVAQVRYCMEYVINPGFEFRGDSIDADNF
NAPFHYDYALVSYIARQIVSPRIFRFSMSRRTIWLFDRLMHCARTINTVLNLTLRNFQ
CKLDVPVYVDDRTPVVLKLTDSSSNAFPVGSVDVAVGFGTSMGGDVSQDLLKVTQVNS

SNQECATTSVPGATDKIERLTRDIYNENSITEDNICASVRGGGKDCSCQGDSSGGPLVKKGE
VPAGSKLRRIDTHVGVVVSFGLGCALDHFPGVYARTSFAIDFINRTVCGQSRSPMCKEWRD
GPVVCDPSTEQLLLIQVVTANPDQTSWSLSTNSGSDVLPQILRSADDYDQPPFFVYEVRL
FIEVFVCPTSASVVFV

>comp12788_c0_seq23; 259 805 1881 LEN=2711; translated
MKITIIYKVVQPLAVGCGGVLIANEVLSAAHCGDFSKRFDYNTGREKQMQVIGNTQRTS
INNGVAQVRYCMEYVINPGFEFRGDSIDADNFNAPFHYDYALCKLDVPVYVDDRTVVLKL
HTDSSSNAFPVGSVDVTAVGFGTSMGGDVSQDLLKVTQVNSNQCATTSSVPGATDKIE
RLTRDIYNENSITEDNICASVRGGGKDCSCQGDSSGGPLVKKGEVPAGSKLRRIDTHVGVV
S FGLGCALDHFPGVYARTSFAIDFINRTVCGQSRSPMCKEWRDGPVVCDPSTEQLLLIQV
TDANPDQTSWSLSTNSGSDVLPQILRSADDYDQPPFFVYEVRLFIEVFVCPTSASVVFV

>comp12788_c0_seq24; 317 872 2331 LEN=2575; translated
MKITIIYKVVQPLAVGCGGVLIANEVLSAAHCGDFSKRFDYNTGREKQMQVIGNTQRTS
INNGVAQVRYCMEYVINPGFEFRGDSIDADNFNAPFHYDYALCKLDVPVYVDDRTVVLKL
HTDSSSNAFPVGSVDVTAVGFGTSMGGDVSQDLLKVTQVNSNQCATTSSVPGATDKIE
RLTRDIYNENSITEDNICASVRGGGKDCSCQGDSSGGPLVKKGEVPAGSKLRRIDTHVGVV
S FGLGCALDHFPGVYARTSFAIDFINRTVCGQSRSPMCKEWRDGPVVCDPSTEQLLLIQV
TDANPDQTSWSLSTNSGSDVLPQILRSADDYDQPPFFVYEVRLFIEVFVCPTSASVVFV
DGLNNRSFKAGGLDMTQAGGFYSLRLDGLIEQYRESIDIGXSAYKGHQYLTITTTAIRSDSC
KHKQLASLHNPTLFLASDSGLTEHFIFPCHFLFIKLCPTFTVTDSNDLMITSFPMDMAL
LHELIN

>comp12788_c0_seq25; 259 872 1948 LEN=2778; translated
MKITIIYKVVQPLAVGCGGVLIANEVLSAAHCGDFSKRFDYNTGREKQMQVIGNTQRTS
INNGVAQVRYCMEYVINPGFEFRGDSIDADNFNAPFHYDYALCKLDVPVYVDDRTVVLKL
HTDSSSNAFPVGSVDVTAVGFGTSMGGDVSQDLLKVTQVNSNQCATTSSVPGATDKIE
RLTRDIYNENSITEDNICASVRGGGKDCSCQGDSSGGPLVKKGEVPAGSKLRRIDTHVGVV
S FGLGCALDHFPGVYARTSFAIDFINRTVCGQSRSPMCKEWRDGPVVCDPSTEQLLLIQV
TDANPDQTSWSLSTNSGSDVLPQILRSADDYDQPPFFVYEVRLFIEVFVCPTSASVVFV

>comp12788_c0_seq26; 372 266 1606 LEN=2173; translated
MKNRKSQVSKAIWGSVLLMAVTATVTNALPEIHTKQDPTTASGLLYPWLTRDRGDESSP
LLVLNEADVRNNDLDDIFISRIVGGDAASVGEYYPYFVQPLAVGCGGVLIANEVLSAAH
CGDFSKRFDYNTGREKQMQVIGNTQRTSINNGVAQVRYCMEYVINPGFEFRGDSIDADNF
NAPFHYDYALCKLDVPVYVDDRTVVLKLHTDSSSNAFPVGSVDVTAVGFGTSMGGDVSQ
DLLKVTQVNSNQCATTSSVPGATDKIERLTRDIYNENSITEDNICASVRGGGKDCSCQGD
SGGPLVKKGEVPAGSKLRRIDTHVGVVVSFGLGCALDHFPGVYARTSFAIDFINRTVCGQ
SRSPMCKEWRDGPVVCDPSTEQLLLIQVVTANPDQTSWSLSTNSGSDVLPQILRSADDY
DQPPFFVYEVRLFIEVFVCPTSASVVFV

>comp12788_c0_seq27; 240 872 2139 LEN=2312; translated
MKITIIYKVVQPLAVGCGGVLIANEVLSAAHCGDFSKRFDYNTGREKQMQVIGNTQRTS
INNGVAQVRYCMEYVINPGFEFRGDSIDADNFNAPFHYDYALCKLDVPVYVDDRTVVLKL
HTDSSSNAFPVGSVDVTAVGFGTSMGGDVSQDLLKVTQVNSNQCATTSSVPGATDKIE
RLTRDIYNENSITEDNICASVRGGGKDCSCQGDSSGGPLVKKGEVPAGSKLRRIDTHVGVV
S FGLGCALDHFPGVYARTSFAIDFINRTVCGQSRSPMCKEWRDGPVVCDPSTEQLLLIQV
TDANPDQTSWSLSTNSGSDVLPQILRSADDYDQPPFFVYEVRLFIEVFVCPTSASVVFV
DGLNNRSFKAGGLDMTQAGGFYSLRLDGLIEQYRESIDIGXSAYKGHQYLTITTTAIRSDSS
AR

>comp12789_c2_seq1; 470 123 764 LEN=1204; translated
MATVVDPSKAPVEMIEDIEAAEEAGDTEQILAYLRFASSEDRRNEEGEDEEYVWTEVSEE
ALDAFYRLVKASKELGASAALSHLADVFAALGAWKEEEAIVEVALGCIVAVASRAGKDEG
DGSNSDDRAGAVSVGLVLDTMKEFADEPTIQEQACLAIEGLALWRDDWKAALGEAEGIQD
ELAAARGERITNERNKAYPLRAAKALGIELDEA

>comp12790_c0_seq1; 974 223 1986 LEN=2097; translated
MSEDLTKSVTIQRNTKKKSGYSVSENDDAYYLETTPARARANPGDRVVRINGVPADEFHD
EEYANDLIESIRIVVVPKDKLDEYDEEEGCKEADRSRGNMNNVSLMSPATVSNLARIYHC
DHCGFDNEDLSLDEDGDYVCEECHVIDSVSPFENNEADCDDRNPKMSTYVCPECKHENI
NPQPDEGDRVCEECEGCILPEKKTIECDVCKHETIDPKLNKRGFVCENCGSALDVEDDY
RRSAAQQLNELQDDSDGPGGGQRFDENGMPIITNAKGGKLTADMFEPGDVITVSVTKSN
AKQDAGMKIEERNKGYVCKVPSGGHFSKTPVIAGDKILELNGIDSHDFKDVNELKILK
SEKKISVVVERKDPDASESSASSIDYEGLRRAIEVNSTPADDIKGSVDDMEDAIDDETDD
KIDDDTDDDESRSKPNKPEDDSVASSVDHDMRAVKLNTADDVKNNGYDDLDDGIDDY

VDFDDLNEQMRRALESKPETVGDDEQNEVGGGNKYDSETDSDDDGNKNNNNNISRAVRP
NPALAAAYDSGKNDNGDNDTRETVDDDTASYNGEDCGVSWCPHCRPYS
>comp12790_c0_seq2; 865 223 2069 LEN=2180; translated
MSEDLTKSVTIQRNTKKKSGYSVSENDDAYYLETTPARARANPGDRVVRINGVPADEFHD
EYANDLIESIRIVVVPKDKLDEYDEEEGCKEADRSRGNMNNVSLMSPATVSNLARIYHC
DHCGFDNEDLSLDEDDGYVCEECGHVIDSVSPFENNEADDDRNPKMSTYVCPECKHENI
NPQPDDEGDRVCEECGCILPEKKTYECDVCKHETIDPKLNKRGDVFCENCENGSALDVDVSR
MIHPEIGEKKLFHSSDGYFFRYVIGGLSKEAAQQLNELQDDSDGPGGGQRFDENGMPI
NAKGKLTTPADMFEFGDVITVSVTKSNAKQDAGMKIEERNKYYVCKVPSGGHFSKTPVI
AGDKILELNGIDSHDFKDVNELKKILKSEKKISVVVERKDPDASESSASSIDYEGLRAIE
VNSTPADDIKGSVDDEMEDAIDDETDDKIDDDTDDDESRSKPNAPEDDSVASSVDHGD
MRAVKLNTADDVKNGNYDDLDDGIDDYVDFDDLNEQMRRALESKPETVGDDEQNEVGGGN
KYDSETDSDDDGNKNNNNNISRAVRPNPALAAAYDSGKNDNGDNDTRETVDDDTASYNGED
CGVSWCPHCRPYS
>comp12790_c0_seq3; 814 223 2146 LEN=2257; translated
MSEDLTKSVTIQRNTKKKSGYSVSENDDAYYLETTPARARANPGDRVVRINGVPADEFHD
EYANDLIESIRIVVVPKDKLDEYDEEEGCKEADRSRGNMNNVSLMSPATVSNLARVSTM
PNSRPMFNLLLSLTLQKSCVVRFIIVTTXGFDNEDLSLDEDDGYVCEECGHVIDSVSPFE
NNEADDDRNPKMSTYVCPECKHENINPQPDDEGDRVCEECGCILPEKKTYECDVCKHET
IDPKLNKRGDVFCENCENGSALDVDVSRMIHPEIGEKKLFHSSDGYFFRYVIGGLSKEAAQ
LNELQDDSDGPGGGQRFDENGMPIITNAKGKLTTPADMFEFGDVITVSVTKSNAKQDAGM
KIEERNKYYVCKVPSGGHFSKTPVIAGDKILELNGIDSHDFKDVNELKKILKSEKKISV
VVERKDPDASESSASSIDYEGLRAIEVNSTPADDIKGSVDDEMEDAIDDETDDKIDDDT
DDESRSKPNAPEDDSVASSVDHGMRAVKLNTADDVKNGNYDDLDDGIDDYVDFDDL
NEQMRRALESKPETVGDDEQNEVGGGNKYDSETDSDDDGNKNNNNNISRAVRPNPALAA
YDSGKNDNGDNDTRETVDDDTASYNGEDCGVSWCPHCRPYS
>comp12790_c0_seq4; 923 223 2063 LEN=2174; translated
MSEDLTKSVTIQRNTKKKSGYSVSENDDAYYLETTPARARANPGDRVVRINGVPADEFHD
EYANDLIESIRIVVVPKDKLDEYDEEEGCKEADRSRGNMNNVSLMSPATVSNLARVSTM
PNSRPMFNLLLSLTLQKSCVVRFIIVTTXGFDNEDLSLDEDDGYVCEECGHVIDSVSPFE
NNEADDDRNPKMSTYVCPECKHENINPQPDDEGDRVCEECGCILPEKKTYECDVCKHET
IDPKLNKRGDVFCENCENGSALDVEDYRRAAQQLNELQDDSDGPGGGQRFDENGMPI
ITNAKGKLTTPADMFEFGDVITVSVTKSNAKQDAGMKIEERNKYYVCKVPSGGHFSKTP
VIAAGDKILELNGIDSHDFKDVNELKKILKSEKKISVVVERKDPDASESSASSIDYEGL
RAIEVNSTPADDIKGSVDDEMEDAIDDETDDKIDDDTDDDESRSKPNAPEDDSVASSVD
HGMRAVKLNTADDVKNGNYDDLDDGIDDYVDFDDLNEQMRRALESKPETVGDDEQNEV
GGGNKYDSETDSDDDGNKNNNNNISRAVRPNPALAAAYDSGKNDNGDNDTRETVDDDT
ASYNGEDCGVSWCPHCRPYS
>comp12791_c0_seq1; 173 279 616 LEN=700; translated
MKKMLERVNAETKNVEDAIEDLKRAQAESEGGIDSQLVLDLKSGLVKQAALTGALLFTFR
GGVETIAFLGGDP SHALPALIQGAI AIALHRGFCFPLATAASAQRLILIGNK
>comp12791_c0_seq2; 247 133 625 LEN=625; translated
MEIFIAVLALTALSLSDFHISSTRSTGNSVGSFPRSLQEHNTIKKRQNGVRLYVGGND
DELNKGAGMEDAFRELEALQSLGDEDDPERPTSKPKEKDAFAKAIDELNLKDI LSQADA
ESSVESPSQPQSEVELYKDMASELDVADSQEDLIAADFKTDLEMAX
>comp12791_c0_seq3; 382 44 783 LEN=867; translated
MASELDVADSQEDLIAADFKTDLEMADSSDDEGLPTIDTEKFMDKAIKEA IQEAKQONQN
VDIADAKESFLDNQEIMSEIEKIFDKANEDLLKELDEIRAEQASLAKEQAERN SKASLEK
TEEYKQRMEVAQGNMKKMLERVNAETKNVEDAIEDLKRAQAESEGGIDSQLVLDLKSGLV
KQAALTGALLFTFRGGVETIAFLGGDP SHALPALIQGAI AIALHRGFCFPLATAASAQRL
ILIGNK
>comp12794_c0_seq1; 912 137 2158 LEN=2387; translated
MPSSGRRSEELQKKLQTRSNFLKASDFTKEHTLLNHESKPKDPVEKSKAALS DLKRKINE
RKKMSMINNQQHREGREESTPEMTAIGGKDSPALEREDHFANDDALAQTIMRSTQKQKPP
SILRNSPKKNLRNHYADPCRYRRDMIGEDERRAPPSQIEVGAEDDDRTEVSEITTDIRIM
STKGAAYAERLAGKQLMRLSKPSLSGPPGRYLETDMNINVSNLRH LGKAVEKAKMDLKQ
EMIPTETRRHGLPYEDTDYRASIDEDEEGDSWEDAIQVKRQDRRYMAELNTRKNPPKPEI
GSENQIMIRTSPTKKLQHLTKEAFSHEGDVFI DATEIREEDLDDAPNVLIDEAHDLRKEG
GNHEAPINVETA AFNAPIDVEDEEFFVGVQEEKSDIPSNLKKESVQQFQEKEDGESGLST
TSDKDKVVEENCV GSEKASGPTSMASDFYNSSVGLFKSFSNQVASQIEAIQERGLISKSD

MDRMLGVLQHDVNETSTKLPEDNDDMVIMFGDELEVAACGTGLKAVEDDNENKTNESNLC
QVEKVEAADENKDEHVGVADENGDRADESDSAPVEKMLESLKQSYNSGISKCGVHGDLIK
ENKKAIEEIVATLTKKAPGCGLDGNPKDGEQVSSKAPSESPQEGKIDESQLKELSAQGLE
EMLKTPIPTSSK

>comp12795_c0_seq1; 784 247 2410 LEN=3065; translated
MDETGSRAVLPPATPDEGTAAASSRPPSIGYVSSSESSGSVPPSSSTISSRSGDTWCQAQV
QSSSQSQSHCRADSI PGSVSISIEKRGNPCRSRDKIESKTETRSFGSREHHPSEILCASQ
RRPGVPAQNNPSEPVSRRLEEKVVSLMDRIWVLEAEREGTQAAQTMDGKGTLLPPASAL
ASLRDTEPPLHTEITSRCAAVPASVEAVRELRIQNETLRAELAVSETVVRGSMRDALVTLR
AKDKISRELI EELTNELALHSAGEDGEDDDYGEAGCGGATEEEQGPSGEEPLGPLVRSEN
TTTTNVAATEPPSGVCGTQYHTAAYVRRLESSVETASQLVADLSNELKLT LEREAALEE
RLRRLQQQQEVARETTATPTSGETSSATAVSRTRGNVSSIKNKDQGI RLVVGDCLANK
LENSNDGNALVSAAGRKGHLFSSKIRREEHQGEDALLGNRRSKAVLPKEQAHATMKPYRP
KSGSPACANRNLESVFWNRRTTQRQQWQLQRQQPIEQRQPVSDSDSDDEYSGVDFDEFEL
LWNEDHDDAICEHKPSESKVRRSPTGRPSEAIHTRGQGTGSRSAFDAYGRGPTAKHRVPP
NGRYQRGVS NATTKAAVRSPGPVASARLSDPSESPFDHATATGFCTGMAAANQKRDAG
AEEQKPGEMGFVGDGKRWGSNFGGASGSLHIAHRRLS CATSEKEVLDVRCIPHLLLIGP

>comp12797_c0_seq1; 402 142 1467 LEN=1467; translated
MASDDYGIQHFNIGDTLRHKGFYDDSI AELFHAMTLL ETRLGTKSKEVAATSYS LGLAYR
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VSEHRKAI AIREALLGRSHLETARSYYVLGCALSDRGDFDEALGDLRRALRIRLKVFGKD
HIDVVEVASNIATVMAAKGVDAESVDEYKMOVIRSLEYETE GDIRSRKGDLD DAI ILYKK
ALSLEIQYLGDLHPTTCDLYLRMAVKLRFIQNVIHPVRLHVCKSHPYFSRWFRNDLWDSQ
DALSESGDLEGLSVEYKSAIT IYERIMGKFHV KMANIYTRLAGVLM DKG EYETALS FYAK
AYGIFDGTGLGHDDTKQALMNVKLA AEKNRAAVTSM EILVKA EEEFKKRHP ELTASVASE
SDEDGEDDENGSDDEK KKKKKKX

>comp12797_c0_seq2; 402 120 1445 LEN=1445; translated
MASDDYGIQHFNIGDTLRHKGFYDDSI AELFHAMTLL ETRLGTKSKEVAATSYS LGLAYR
ATKDYKQALKHLNRAQEVYKQKGDKSEFADNIKDCKLN IARTHHSRGVMYQRNGDYNLS
VSEHRKAI AIREALLGRSHLETARSYYVLGCALSDRGDFDEALGDLRRALRIRLKVFGKD
HIDVVEVASNIATVMAAKGVDAESVDEYKMOVIRSLEYETE GDIRSRKGDLD DAI ILYKK
ALSLEIQYLGDLHPTTCDLYLRMAVKLRFIQNVIHPVRLHVCKSHPYFSRWFRNDLWDSQ
DALSESGDLEGLSVEYKSAIT IYERIMGKFHV KMANIYTRLAGVLM DKG EYETALS FYAK
AYGIFDGTGLGHDDTKQALMNVKLA AEKNRAAVTSM EILVKA EEEFKKRHP ELTASVASE
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>comp12797_c0_seq3; 486 120 1338 LEN=1338; translated
MASDDYGIQHFNIGDTLRHKGFYDDSI AELFHAMTLL ETRLGTKSKEVAATSYS LGLAYR
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VSEHRKAI AIREALLGRSHLETARSYYVLGCALSDRGDFDEALGDLRRALRIRLKVFGKD
HIDVVEVASNIATVMAAKGVDAESVDEYKMOVIRSLEYETE GDIRSRKGDLD DAI ILYKK
ALSLEIQYLGDLHPTTCDLYLRMADALSESGDLEGLSVEYKSAIT IYERIMGKFHV KMAN
IYTRLAGVLM DKG EYETALS FYAKAYGIFDGTGLGHDDTKQALMNVKLA AEKNRAAVTSM
EILVKA EEEFKKRHP ELTASVASESDEDGEDDENGSDDEK KKKKKKX

>comp12797_c0_seq4; 486 142 1360 LEN=1360; translated
MASDDYGIQHFNIGDTLRHKGFYDDSI AELFHAMTLL ETRLGTKSKEVAATSYS LGLAYR
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VSEHRKAI AIREALLGRSHLETARSYYVLGCALSDRGDFDEALGDLRRALRIRLKVFGKD
HIDVVEVASNIATVMAAKGVDAESVDEYKMOVIRSLEYETE GDIRSRKGDLD DAI ILYKK
ALSLEIQYLGDLHPTTCDLYLRMADALSESGDLEGLSVEYKSAIT IYERIMGKFHV KMAN
IYTRLAGVLM DKG EYETALS FYAKAYGIFDGTGLGHDDTKQALMNVKLA AEKNRAAVTSM
EILVKA EEEFKKRHP ELTASVASESDEDGEDDENGSDDEK KKKKKKX

>comp12798_c0_seq1; 723 1 2213 LEN=2367; translated
XTNRLIQDASHGRYPEISPTRGNVAFSSAIHGWLFTLKSMT EYVLEHSAEESVGTNLTSA
QFASRLWGDWYDPDKTRFVDDPAECSSPQRHRSFVTF CLEPIYKIYAACLGESEEDVAA
TLKPLGVHLTKAQLRSSARPLLR TALS RFL ETASCGFVDMVVKHVPPSSAAKGVARCY
SGPLDAPFVRDMVHCTAAKAEKLIMHATKLYSSSDGRSFDVFCRIYCGTCKPGQVRVRLG
EGYAPGEDDEDTSVATIESIAIPGRSRTRVTLATAGNWLLKGVDA AIAKTATIVGING
GTEDGDSGYGDDDEDVDEEHPVHIFSP LKFPFAGGESTMKLAL EPLNPAELPKMVQGLRS
VSKAYPMVKTRVEESGEHVLYGTGELYMDCV LHDLRHVYGDVEVKVADPSVALRET VVET
SSLKCFSETTNKKNKLT FIAEPMDDGLAERLES GKVR IHDWDK RKTGRFFQSQYGDWLLS

SRSVWAFGDSPTCGTNLLDDTLTPSEVDKTLDDSCSSIVQGFQWATREGPLCEEPVVRGT
KLKILEVTLADKAIYRGGGQIIP TARRTVHSSLLTATPRLMEPIYKVQIQCPGDMVAAIQ
PVLKRRRGHIVQDRPISGTLNVRGFVPLLD SFGFETDLR TYTQGGAMVHAVFDHWAIV
PGDPLDKNILLHPLESPPHVLARELLKTRRRKGLSEDV SIDKFFDAAMKEQMAFTNAE
DSGKLVEEMEDGEEMAD

>comp12799_c1_seq1; 231 1 616 LEN=941; translated
XHLPFELLSSVLSASSHALGAAATNLVDKLGGLRAVGESLFGGLPCQRLGELSSELLERA
TDRFGAMGSSAREWFS AVPLRALERLSSELLEAATARLGWASALGETNAGVKLQELARL
TSGALEQTRIRWRILNEFLSDGALRVEELGSRVVASLAGMHALPFETQRKQYFDKASKGY
ESLNHSLARFAFWLEDLLGRMAGII

>comp12799_c2_seq1; 580 1 1825 LEN=1825; translated
XPTATGGGPSEPSSRSLYLAPLGRSSLSFGGRNPTTRRCSQHSMAPVGNRWAALAPAST
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GTFCYCLASPLRGHLSAQHHLWPPCGVRENATTLHSARSFSSVPPASLLHRKAGIYLPET
YPLLGNPAAAGRIGRIGFRKHSNGNSSNNSNGTKEKAPQSTPPPTTVNPSESNNNKIQE
FMDSTVSTVRTNVGSAEATIKKAVEELSTGDLLSVYGIVFLIVLIGVMPSLVRRMQSSDH
YDSKSEDPLLELARMIRGEFLENVNRIQEDISEADGDGSDTDAGDAEGRKRSSGLDR
IVADLLRSPQIQEAATTLVTKVLQSQQFKAACALLRELLRDLDDPD TLDQLVHLLQTA
IADEKIREAAIGLATDVF GDDRVLDELVVLVQRLGMEGQVMAATQALLVESAHNALNDPE
ILDHSMEFATDVVGDDVVQQTAGEALYNTMSYAFRPALS VFLALTGVGLIFVVISAFRNL
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DLGKALLGA

>comp12800_c0_seq1; 269 1 1286 LEN=1434; translated
XHDAMTSVFSLQQISSKFHFFHEINADVEEDYEIIFCSVDKSEEEYNDYTSDFSFWCIPY
ALPTLPKLIANLQANGMPHLVVIDKEGKIITKDGVNALKQDPMGKQFPWRPNRIVDILPE
SYISGGEESTPTLLSTDALDEKYILLYFASHADALCKEFTPWLKKACHILKKKRADFEEV
AANFLPMQMFVVEECDFLKNLVGSRICRKFSCHSLFSXIFVSGDASEASYETFLSETNFC
SFSFEETEVRREALKRLDITSYPTLIMLGPRPIDEDDNFGDRPIINSEVRAVIENGDIYIT
DFPFYPKPWGDLCKTTDDINTHKCLVVFHEGGDEDEQMEVEYAVRDAEEYRSGDELVKF
YWAFNPDAPLSANIRACDLGPIGDLPSMVLLDIPNDGTYYLSEEQDITEDTILEFLTNY
KDCTQGTI

>comp12800_c0_seq2; 401 492 1880 LEN=2028; translated
MAEFDFTLLGDVIVK PATGESADPLQVLTNKGVVLYFGAHWSESCNKFLPKFHFHEINA
DVEEDYEIIFCSVDKSEEEYNDYTSDFSFWCIPYALPTLPKLIANLQANGMPHLVVIDKE
GKIITKDGVNALKQDPMGKQFPWRPNRIVDILPESYISGGEESTPTLLSTDALDEKYILL
YFASHADALCKEFTPWLKKACHILKKKRADFEEVAANFLPMQMFVVEECDFLKNLVGSRIC
RKFSCHSLFSXIFVSGDASEASYETFLSETNFC SFSFEETEVRREALKRLDITSYPTLI
MLGPRPIDEDDNFGDRPIINSEVRAVIENGDIYITDFPFYPKPWGDLCKTTDDINTHKCLV
VFHEGGDEDEQMEVEYAVRDAEEYRSGDELVKFYWAFNPDAPLSANIRACDLGPIGDL
PSMVLLDIPNDGTYYLSEEQDITEDTILEFLTNYKDCTQGTI

>comp12800_c0_seq3; 319 1 1169 LEN=1317; translated
XHDAMTSVFSLQQISSKFHFFHEINADVEEDYEIIFCSVDKSEEEYNDYTSDFSFWCIPY
ALPTLPKLIANLQANGMPHLVVIDKEGKIITKDGVNALKQDPMGKQFPWRPNRIVDILPE
SYISGGEESTPTLLSTDALDEKYILLYFASHADALCKEFTPWLKKACHILKKKRADFELI
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GDRPIINSEVRAVIENGDIYITDFPFYPKPWGDLCKTTDDINTHKCLVVFHEGGDEDEQME
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>comp12800_c0_seq4; 451 492 1763 LEN=1911; translated
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GTI

>comp12801_c0_seq1; 744 1 1553 LEN=1553; translated
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SGAANDTNANTSSEQDTSNDNVEEELYEILCRGAGESTATTASKNGDQGRDETEPVGSK
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>comp12801_c1_seq1; 615 1 2829 LEN=3022; translated
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LSSSPGRAQARSGEIAISRVSKPVDKDFVQTSGLAIGSFQRDSADPLRRAQNASLRMKF
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>comp12801_c1_seq2; 155 1 1209 LEN=1402; translated
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>comp12801_c2_seq1; 187 1 1525 LEN=1719; translated
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>comp12802_c0_seq1; 191 353 1043 LEN=1203; translated
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FSMYLRHCLLAVQKAGGAAHESFLNDTYLVDRKTTLAQYLDECGDEVMGSRPPPHLKNL
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>comp12802_c0_seq2; 133 1 877 LEN=1037; translated
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>comp12803_c0_seq1; 1287 152 2422 LEN=2491; translated
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AYLEASKMEELLNRYSEFIEFPISVWKEKTEYKQVPDEEANKDLAEGEEPMMKTVPETIE
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GMLPFELSKDMFDENARNIRLYVKRVFINDQFQDLMPRWLKF I KGVVDSDDLPLNVSREI
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LYATEPLDEIMFESLTKFGDYDIK DAGKDTLKLDDDDDEEATKKKEELNRENV DVINYLET
ILNDEVEKVSVDLLTDS PAALVQ GAYGMS PSMQRYMKAQTVASGQELSGMDSMNKVCME
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>comp12804_c0_seq1; 344 1 1288 LEN=1606; translated
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DTQ GKREEIMWRTGTSREPLNPESMWARASRLSKDVEKVAEQVEEFMKNTKVSSTSTHD
EIYRSFVENIYDKAHPNIEPGSEPIPIQFEYTHSHLFLAYKIYYRKGELDPYFPEPCARE
ISVPREKPAGGLESYNPILPAASTTSSLGATMNRTPGRSTSKVARSQPAAI VLRESPLIV
AAGQKASAASAAHTTGTSLNNGRVGDARRYQQQNHMRQDVPTIQQENERSRRDLLREVK
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DDKKADLAA

>comp12805_c0_seq1; 598 76 1521 LEN=1850; translated
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LQHILDNPSIWSQQLTNLYPRETVDIEASPVWISKDDVFSQFEAMIEKIETVPGLAGKS
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VGDIMWFVANQDIGAGQELCISYLEQDVLCENTYRRNCMLTLD FKEEDAYRATIDEESP
CYPVVDVEVQNELMSMNPFERLEAIDQLMQQAAGEALPEGEDIEGEDGDRMEANGSAWF
ECDVQNLRI LKAITLEGCDKSEMALQLWEECIGFTESKMPNDENSIVMRVQAALCCLNL
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>comp12806_c0_seq1; 217 1 1066 LEN=1784; translated
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VYQSMLEICGAF LRIGENCSFYDEIYRSWVYNDVGGCKKNEGKTSILGNSLRHP IPRLC
DPINNSFSTHRAVEIVESHDTGEEDHHHVQDERQQNNEYKFMTPGNPGLASVISQGLKS
LDQTAEDIRYKTRNDTL SRAHKKPSFRNGRAAEMDPRQLAEGQRILDVALDCLEQLALKE
EQNKTRQQRGGGSGNGLVLFGEPIV LLECEVNRNRQAKIYWTLPYGILLDNRI NQGLYQ
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>comp12807_c0_seq1; 1108 187 4479 LEN=5119; translated
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SSPNNQVSI NQKEGTAISSPADTKQQLVEQN HASNKVPRVETEGDSEPSSGDGPKSTPC
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SIASIEIPASVKEVGN EAFCDCAKLHKVGF GTDDCRLR KIGDRAF CGTSLSYVVIPSSVE
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MEKIEHEVFFETPISTITIPWSVKAIEYGAFANC SRLETVRFE PGNCQLTTIGDFSFS
SISAI EIPATVREIGKHAFYQCRQLTDVKFPLENCQLEKIGSSAFRDT SCTIAIPPMVKE
IGKYAFYRNGVFLKRRIQQQSAVDLQNGI DEKYGDKSIQGREFFKKQRMEDCQTCSNNAK
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SVTKQGESDDEIVKPRQIRDIGKGEINDHDVLSGKGAHGNHHTGNKLYKEMVKRRQNEY
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ERLKS KPN SITQALATPPKASQANQSEAPGDES RSPFYIEKPR TNDVLCGRGAHGNHH
GNKKWKALTNMQAGAYFSSQRHEKRTIAESIVRQV RAYGGRFLKRDDRTGKYMDMDKTA
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>comp12808_c0_seq1; 825 111 1622 LEN=1725; translated
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MARSGIEEPTKLRAVSTFSAEDPSLLTKPAELLQQSMKKRASLADNGSDMNPSRRSMKEV
GKHKSTRKGKMSRRDKNNGNVSEDVTIQEVLQDFGKKNFSEEAWIDNYFETYNEVDSAD
RCRLMEKQQEAIKRGLKAAVLEQYEFVEASGEMTNMGREVVLDKTLVETQVETIKEMKE
IDFSGAILDPAEDENASDGGDLFQERRKGARRKKGGRYGGDHDSDTSSVSSDEDEALRNV
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>comp12808_c0_seq2; 254 1 845 LEN=1083; translated
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ANSINSNALTMRNLPAGALASIVLWCDGELAKFAAAF GGTRVLGNLALSPPSRETATARR
GPRVLGQNGKGTGDGPGAGGNKDRQSAIEVAAQCVEQAFQYAAENLDVVGLPLSPRLAES
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>comp12808_c0_seq3; 1159 111 2525 LEN=2763; translated
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MARSGIEEPTKLRAVSTFSAEDPSLLTKPAELLQQSMKKRASLADNGSDMNPSRRSMKEV
GKHKSTRKGKMSRRDKNNGNVSEDVTIQEVLQDFGKKNFSEEAWIDNYFETYNEVDSAD
RCRLMEKQQEAIKRGLKAAVLEQYEFVEASGEMTNMGREVVLDKTLVETQVETIKEMKE
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HNSATFGRVPIPEKITIEIPPHLDDVVEEILAYVKESTRYSEGTDLWAKTKQEVAEMLQL
HEKPTDQKLTKKQYNQMOTL TEKLGELSEMISNRVVENLRRKNEALKQASKRERADASAH
MVPSVSPCCLNDDSI SLRLLV LKGSQEAATAYSARRSLLLLES IHERPLTGTGNVDLVI
YAAQLSQSFFSCLAGAIIEGFLDLFLSSAPTSEKSARSDEMSFDANSINSNALTMRNLPAG
ALASIVLWCDGELAKFAAAF GGTRVLGNLALSPPSRETATARRGPRVLGQNGKGTGDGPG
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EQWRP I VLEWSISRNDHHPMDER

>comp12809_c0_seq1; 195 30 341 LEN=686; translated
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>comp12810_c0_seq1; 584 183 2008 LEN=2205; translated
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NAIWSRSDWERPTPVQQLAIPRLLER GATDHFGXEAPT GSGKTA AFLIPL LQNILIDRTQ
TKKQKGERVTALILCPTREL CVQIGGVLDQM VDDIVSMDRRNKYEGFSTMVLHG GVPLEP
QIARLADCVRHHTTIDVLVATPGR LIDVLT SYDEKRGNSNAKDAAMERRLLAAIDNSDDG
EVSLEELQMLGLD TIHRDDDENDDGSDGRS QLRNVLNGLRYLVFDES DRLLGNGFKAEVD
SVLNLMSSTPATWLF SATFPKSI EPRLDNVLSSIGATKSPVRLVCANS DRKSEG DSTIST
SLKKKLEQSKT VTSASKYQQVGPAST IRLRNIRMEKTDR TQVLRK LLEDYRDEWDRVLV
FVSTRYASQHVSRKLRRYGIR SSELHGKLDQDARMRRLDDLKKGKI QVLLCTDVASRGID
ISGLPAVVNYDLPRSTSDFVHR IGR TGRAGQEGVAVSFVTPSVA AHMDLIEKRHLASPE
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RAAALKQK

>comp12811_c0_seq1; 624 51 1664 LEN=2650; translated
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AHKESTKPT EFNKLITNHEC ILGEIVRKPNQQTYSRAYVRAGPRKELHFDPRNTNAAIVT
CGGLCPGLNNVREIVNTLYSSYIGGVVWGIQGGYRGFWDFDNYRPVQLTPDLVANIHH
EGGTVLGSSRGGFDLEKILDFLKS KKITCLFVIGGDGTHRGA FRIHEGCM EKGMNVAVAG
IPKTI DNDVDYIDRSFGFESAVEAAQVAIRSAKIEAICNMPNGIGIVKLMGRSAGF IAAH
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AGGNKLPPIGDFMKKQVEEYFKENGATATVKYIDPSYTVRSVPANAQDSLYCMQLGQNA
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>comp12812_c0_seq1; 187 90 1645 LEN=1645; translated
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>comp12813_c0_seq1; 395 186 1873 LEN=1886; translated
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AGVQSSASSDEYVVVVDDANTNGTPTNHLEEEQQEQQHQHEDQVAIANWESSRRQSELQOK
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GPSRASESWIWRVTCPSGAFVREGLDLHTRHIETLPYGSILRVVTRRCINNQGLSRLRTSG
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>comp12813_c0_seq2; 493 186 2360 LEN=3045; translated
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GPSRASESWIWRVTCPSGAFVREGLDLHTRHIETLPYGSILRVVTRRCINNQGLSRLRTSG
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LMSPQIEILPFGSTIKVVARAFSEHPVERCIERLQLAGGGGWISVRLNLPQPDDLVEL
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HFYA

>comp12813_c0_seq3; 206 94 645 LEN=1330; translated
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FYA

>comp12814_c0_seq1; 186 1 275 LEN=4299; minus strand; translated
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>comp12814_c0_seq2; 186 1 275 LEN=4472; minus strand; translated
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>comp12814_c1_seq1; 178 1 966 LEN=966; translated
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GNERHDHPPNSIRFQSRPCQKEWGATGESKWEIMYQRLTEYKQKNGSTRVPHLCKADPQL
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>comp12814_c1_seq2; 242 1 978 LEN=978; translated
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>comp12815_c0_seq1; 336 332 1198 LEN=1902; translated
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>comp12815_c0_seq2; 436 332 1618 LEN=1726; translated
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>comp12816_c0_seq1; 533 160 2283 LEN=4414; translated
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>comp12816_c0_seq2; 719 160 3159 LEN=4453; translated
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>comp12816_c0_seq3; 471 160 2423 LEN=2750; translated
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>comp12816_c0_seq4; 471 160 2423 LEN=4724; translated
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>comp12816_c0_seq5; 471 160 2423 LEN=4052; translated
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>comp12816_c0_seq6; 533 160 2283 LEN=3885; translated
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>comp12816_c0_seq7; 533 160 2283 LEN=4584; translated
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>comp12816_c0_seq8; 533 160 2283 LEN=4331; translated
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>comp12816_c0_seq9; 651 160 3272 LEN=4313; translated
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>comp12816_c0_seq11; 684 160 2957 LEN=4509; translated
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>comp12816_c0_seq12; 533 160 2283 LEN=4304; translated
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>comp12816_c0_seq13; 578 160 2436 LEN=2479; translated
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>comp12816_c0_seq14; 622 160 3097 LEN=3894; translated
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>comp12816_c0_seq15; 471 160 2423 LEN=4697; translated
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>comp12816_c0_seq16; 690 160 2984 LEN=4536; translated
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>comp12816_c0_seq17; 690 160 2984 LEN=4283; translated
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>comp12816_c0_seq18; 471 160 2423 LEN=4471; translated
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>comp12816_c0_seq19; 533 160 2283 LEN=4667; translated
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>comp12816_c0_seq20; 713 160 3132 LEN=4173; translated
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>comp12816_c0_seq21; 713 160 3132 LEN=4426; translated
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>comp12816_c0_seq22; 657 160 3299 LEN=4340; translated
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>comp12816_c0_seq23; 471 160 2423 LEN=4025; translated
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>comp12816_c0_seq24; 471 160 2423 LEN=4444; translated
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>comp12816_c0_seq25; 651 160 3272 LEN=4566; translated
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>comp12816_c0_seq26; 516 160 2576 LEN=2619; translated
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>comp12816_c0_seq27; 533 160 2283 LEN=2610; translated
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>comp12816_c0_seq28; 628 160 3124 LEN=3921; translated
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>comp12816_c0_seq29; 719 160 3159 LEN=4200; translated
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>comp12816_c0_seq30; 684 160 2957 LEN=4256; translated
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>comp12816_c0_seq31; 533 160 2283 LEN=4557; translated

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>comp12817_c0_seq1; 1032 111 3245 LEN=3368; translated
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>comp12817_c0_seq2; 406 1 1771 LEN=1894; translated
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>comp12817_c0_seq3; 991 111 3216 LEN=3339; translated
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ATI IAQLVYTYKSKFVNAVGLQMVENIPFMHALAKTVIQHQGYGKDALSTLFFFLGLSSV
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NTIVDRWYLLWVVVAFEVSLRFLMHSTKDPATGRPKFQLLSPIFYILITPVFYIGMQFVF
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>comp12817_c0_seq4; 939 111 3340 LEN=3463; translated
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>comp12818_c0_seq1; 784 198 2116 LEN=2350; translated
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>comp12819_c0_seq4; 190 1 914 LEN=1338; translated
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>comp12820_c0_seq1; 493 148 1815 LEN=1978; translated
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>comp12821_c0_seq1; 291 151 783 LEN=1568; translated
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>comp12822_c0_seq1; 447 231 1844 LEN=2166; translated
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>comp12822_c0_seq2; 467 231 2036 LEN=2261; translated
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>comp12822_c0_seq3; 384 231 1954 LEN=2179; translated
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>comp12822_c0_seq4; 447 231 1844 LEN=2069; translated
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>comp12822_c0_seq7; 404 231 2146 LEN=2468; translated
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>comp12822_c0_seq8; 384 231 1954 LEN=2276; translated
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>comp12823_c0_seq1; 647 757 2793 LEN=2846; translated
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>comp12823_c0_seq2; 740 422 2698 LEN=2751; translated
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KALEIIQRMKAQINGNGSAVMSAHTFNAALNACAFVKGCVEAKARAFETATKLDKLRME
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>comp12824_c0_seq1; 511 365 2107 LEN=2142; translated
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FELARLALGCLGVVVEITMECIPAHKLI EHTFVMTREEVMSKKAELLENHKHTRFMWIPY
TDAVIVVTNDEFDPAEHSAPDMSASDKEKGNPLRDLLQQLYVESGRNFPEDDVKGMGFG
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GTQDENNNNDMIFMEELLRKIEENDIPAHSPIEQRWTSGSSSPMSPASGSEESLHTWVGI
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>comp12824_c0_seq2; 566 365 2025 LEN=2060; translated
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FELARLALGCLGVVVEITMECIPAHKLI EHTFVMTREEVMSKKAELLENHKHTRFMWIPY
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>comp12824_c0_seq3; 648 365 1924 LEN=1959; translated
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GTQDENNNNDMIFMEELLRKIEENDIPAHSPIEQRWTSGSSSPMSPASGSEESLHTWVGI
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>comp12824_c0_seq4; 593 365 2006 LEN=2041; translated
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QRWTSGSSSPMSPASGSEESLHTWVGIINYLPSEDLKQRDITHLFNTKYTDLVRQIGR
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>comp12825_c0_seq1; 607 2650 4308 LEN=4441; translated
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>comp12826_c0_seq1; 165 1 708 LEN=1030; translated
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>comp12827_c0_seq1; 1578 493 4506 LEN=4759; translated
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NIRQNSVDVVSPIALDDDDFSVAPSLDLEKRSIVTVSNKRTNSQYSSYSDEKTVITSMA
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VYTEREARAVCKTVFTAIDYCHRKKVAHRDIKPQNVFLNEEGDDTSVRVANFGFAKKVTH
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HFHDLFSWGSQIGAGSFSVVHEVAMKSDQVYAAKRIDRNNLHPSDALALHDEIAALQEV
SNCEQIVRLHNVFDEPDYTYLVLDCKMGGDLIDRIIEKHNYTEFDAKEVSRKLLMGVAYC
HKKKIANRNLKPENLLLSANS DTDVKISDFGYAKKVTFPNSLRTQCGTEGYVAPEILEHR
PAYDVSCDMWSLGVIMYIMMGYRPFREGEEVMKQIRYGEYKFKRYWNHISDDAKNLI
TRMLTVDPMKRITA EKALNRWIQADRNSLQGVLSKNMQDLKLNLRNAKRKIKAAATAAII
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>comp12827_c0_seq2; 1255 493 3669 LEN=3743; translated
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SVDVVSPI TALDDDDFSVAPSLDLEKRSIVTVSNKRTNSQYSSYSDEKTVITSMFDDIY
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KTVEDEIASLKLRRGGPHIRLLDVFEKNNPGHKYLVFEAMKGGNLLTRIVEKEVYTER
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TLCGTANYVAPEILDQRVQGYDLTCDIWSLGVFTYVLLGGYPPFEGVHQNLATEILCGQY
EFHEEYWDSISDSAKQMI SYMLEVDPRQRITAAEALSCKWMETEERLVLRLDSL AQSSI
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>comp12827_c0_seq3; 498 141 2273 LEN=2526; translated
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LDVFEKNNPGHKYLVFEAMKGGNLLTRIVEKEVYTEREARAVCKTVFTAIDYCHRKKVA
HRDIKPQNVFLNEEGDDTSVRVANFGFAKKVTHENCLQTLCGTANYVAPEILDQRVQGYD
LTCDIWSLGVFTYVLLGGYPPFEGVHQNLATEILCGQYEFHEEYWDSISDSAKQMI SYML
EVDPRQRITAAEALSCKWMETEERLVLRLDSL AQSSIRDITIEPAAKMKAAVNAI LARNK
FMSIAGMFQNDNASGVS VATPVRQPTISEIEDEHFHDLFSWGSQIGAGSFSVVHEVAMK
SDQVYAAKRIDRNNLHPSDALALHDEIAALQEVSNCEQIVRLHNVFDEPDYTYLVLDCKM
GGDLIDRIIEKHNYTEFDAKEVSRKLLMGVAYCHKKKIANRNLKPENLLLSANS DTDVKI
SDFGYAKKVTFPNSLRTQCGTEGYVAPEILEHRPAYDVSCDMWSLGVIMYIMMGYRPF
REGEEVMKQIRYGEYKFKRYWNHISDDAKNLI TRMLTVDPMKRITA EKALNRWIQADR
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>comp12827_c0_seq4; 1275 493 3684 LEN=3758; translated
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VGPLPSQAIMAVAI PKKTKESTKKSNGAKNDGTAAESESASEEAIPIPPPPPFVSLVNDN
NIRQNSVDVVSPI TALDDDDFSVAPSLDLEKRSIVTVSNKRTNSQYSSYSDEKTVITSM
FDDIYSRGKELGFGAFANVAVATHKPTGATYAVKEVDRSSMIWNEKDHLKHEIENMFKVR
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FDRII EKRNFSEREARDSIRCVLEALKYMHERRVVRDLKPENLLLKSRDKSKLTPVKLA
DFGFAKSIESKNGCRSLCGTPGYLAPEILERFPSYDVQCDIWSVGAILFLLLGGYLPFDD
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DAMDAQLDGVVDKLAQRKMRAAVQTLMAADRLKRLNEDFSTYLEKKRQDSTVSHMSYMT
TGTRYGHAKFIADAPTGKSFETFYDVGDLLEGDDYCSVHRCTRKQTHLCYDVKHVDLDQL

ETDARKTVEDEIASLKLLRGGPHIIRLLDVFEEKNNPGHKYLVFEAMKGGNLLTRIVEKE
VYTEREARAVCKTVFTAIDYCHRKKVAHRDIKPQNVFLNEEGDDTSVRVANFGFAKKVTH
ENCLQTLCGTANYVAPEILDQRVQGYDLTCDIWSLGVFTYVLLGGYPPFEGVHQNLATEI
LCGQYEFHEEYWDSISDSAKQMISYMLEVDPRQRITAAEALSCKWMETEEERLVLRLDSL
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>comp12827_c0_seq5; 346 141 1451 LEN=1525; translated
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HRDIKPQNVFLNEEGDDTSVRVANFGFAKKVTHENCLQTLCGTANYVAPEILDQRVQGYD
LTCDIWSLGVFTYVLLGGYPPFEGVHQNLATEILCGQYEFHEEYWDSISDSAKQMISYML
EVDPRQRITAAEALSCKWMETEEERLVLRLDSL AQSSIRDITIEPAAKMKAAVNAI LARNK
FMSIAGMFQNDNASGVSVPVVRQPTISEIEDEHFHDLFSWGSQVSCRAAGVCLAETACA
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>comp12827_c0_seq6; 1558 493 4491 LEN=4744; translated
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KIFQTLVTSDFSVPNFLDEAVQKEGKTKTTTPAPTQAEAPSSATEKDTPAAPTSSEDI
VGPLPSQAIMAVAI PKKTKEGAKNDGTAAESESASEEAIP PPPPPFVSLVNDNIRQN
SVDVVSPI TALDDDDFSVAPSLDLEKRSIVTVSNKRTNSQYSSYSDEKTVITSMFDDIY
SRGKELGFGAFANVAVATHKPTGATYAVKEVDRSSMIWNEKDHLKHEIENMFKVREGPNI
VQLYEVYSTHDPDEEEEEESKNRAAAESKKGQRNRKPNICHLVIELMEGGELFDRII
EKRNFSEREARDSIRCVLEALKYMHERRVVRDLKPENLLLKSRDKSKLTPVKLADFGFA
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QLDGVVDKLAQRKMRVAQTLMAADRLKRLNEDFSTYLEKQRDSTVSHMSYMTTGTRY
GHAKFIADAPTGKSFETFYDVGDLLGEDDYCSVHRCTRKQTHLCYDVKHVDLDQLETDAR
KTVEDEIASLKLLRGGPHIIRLLDVFEEKNNPGHKYLVFEAMKGGNLLTRIVEKEVYTER
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EFHEEYWDSISDSAKQMISYMLEVDPRQRITAAEALSCKWMETEEERLVLRLDSL AQSSI
RDTIEPAAKMKAAVNAI LARNKFMSIAGMFQNDNASGVSVPVVRQPTISEIEDEHFHDL
FSWGSQIGAGSFSVVEVAMKSDQVYAAKRIDRNHLHPDALALHDEIAALQEVSNCEQ
IVRLHNVFDEPDYTYLVLDLDCMKGGLIDRIIEKHNYTEFDAKEVSRKLLMGVAYCHKKKI
ANRNLKPENLLLANSDDTDVKISDFGYAKKVTFPNSLRTQCGTEGYVAPEILEHRPAYDV
SCDMWSLGVIMYIMMGYRPFGEGEVVMKQIRYGEYKFHKRYWNHISDDAKNLI TRMLT
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>comp12828_c0_seq1; 510 1 1300 LEN=1371; translated
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DHCDYDDESTIATNFDDGTIATNFDDGTIATNFDDAS IATAMTSAHNHPQEGNEFYDAE
EQHDDYAGDTNDPYNPMATDAMQSPYQGDVINMPLDFHQDEGLDLGLSFGGEEGFDGPG
EYGSNELMQQSGFGDGVYDNSGLGGFGDAGLGGFGLASPTLKRDLQNDYSAHPAGHAEND
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>comp12829_c0_seq1; 471 612 1952 LEN=2340; translated
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SLAINKDNEDVKPLQIAIIGRQNVGKSTLVNTLVENNRVLAGPTPGLTRDAIAVEWDWEG
RRVQLVDTAGIRKLTKRIDDSIEDMAVADALRAMKVAEVAVLVLDAAEMYIQRQELALCN
AVLDEGRALVIAANKMDLLEMSSDYSPRDFAINVREQIEERIPILRNIPVVPMSGLSGKG
VSELLPTVLDARNRWSRTMSTGLLNRWLAEVTTGSRPPVVEGVRAKLKYIIQTKGRPPTF
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>comp12830_c0_seq1; 1682 304 2571 LEN=2799; translated
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ASSAVGLSAAYSISKTVAGDVMRTVGELTWDVTESAANLAEKMGLSGPKFGEVDRTVVN
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LKSRLKTSKGLKADLVARLEQNDLEMLGQDDEEEDDTILDDDVDSDSDDDDDLGL
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>comp12830_c0_seq2; 469 304 945 LEN=1100; translated
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>comp12831_c0_seq1; 1174 130 3420 LEN=3466; translated
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IACCGLVKSLIRYFQIRWLPEAAGCIMVGVSAAGYISTFFPHHDISFDGKWFLRIMVPPV
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IEWSGIVAVVAAGFIMDMYVVGTEKLDKDTVNDETDSDNLDSDSDKGGKERRRQARVRRP
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>comp12831_c0_seq2; 480 1 1615 LEN=1661; translated
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>comp12836_c0_seq2; 514 1 1155 LEN=1335; translated
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NLDDFSIPMPMSKTDLFLPPGTEMT PASTPQVSSAQMSKEFDIAIGLHCCGSFTDMVM
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>comp12844_c0_seq1; 295 396 1079 LEN=1458; translated
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HSDTYKTPNSNPSRYLS DALSDIDNNAANHHNCNINNRSS TDCKTNNFMRNNRASRRH
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>comp12845_c0_seq1; 334 108 704 LEN=1188; translated

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LKTYLAGLVILKKGQDASGLSQFKGTIQPLDHSKGEIEMADVDELKSFKAYTTMRLAKK
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>comp12846_c0_seq1; 226 270 1385 LEN=1560; translated
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AVYSEVPIAPGLSLRAVSYTGCKTMRDATTALPYEFTLLKETRYPVGGKAMTWIFDRVM
GSHGDIRRGGGAGVPGETGTDVRRQAPEPGGSGSERGASGDDGGPKAYALSRVTLEPLPG
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>comp12847_c0_seq1; 377 159 1967 LEN=2585; translated
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>comp12848_c0_seq1; 796 111 2132 LEN=2311; translated
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DGSADSANNRDIWNEAPTAEDQLLVSETGRGGGGVQSKIVSKAILRTTKGDIHIKLFQEV
SKTLENFTEHARSGYYDGVLFHRVISSFMLQTDPLGDTGGESI WGGFEFEDEFVRDLRH
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>comp12849_c0_seq1; 206 358 1032 LEN=1922; translated
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GVRVLAMAAAAERLYLVSDLGKPRSELRLRHPSIDFD TAFAYSHNCGIQSSCDAKDSLDA
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>comp12850_c0_seq1; 638 97 2304 LEN=2891; translated
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KLGNICYEMKNFTTAMNHYYKGLEIERRVLPANHPHTIITLVNIAHIHKQLGEHESALKA
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DVASTLNSIGLVLFKQDFDLAKKCFGESLRIRSKILGKDH RDVAILWYNIATIH FETGE
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>comp12851_c0_seq1; 1784 562 6839 LEN=6987; translated
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TLEVVNQRPAYTNPVSDTQIFYALRYDPPPQANGGAFTILHEEKTDSHPGDDYVEDFDN
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RLEQRRGNNPMGKKSYNASVVSVAHPTYDIWAYGVV FYEGIAGLPLGPYACRGK RPMST
SEVSKIGLWDDNSLRKALRHIPDDDNGMARELIRFMLHPDPNKRATSMRQVLEHPYFTAT
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>comp12852_c0_seq1; 337 211 1185 LEN=1521; translated
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>comp12852_c0_seq2; 477 101 1075 LEN=1411; translated
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TSQPATTQRAQMGA VPAQPQQPTHQQQHFQSVQQH MVAPAPRPTFVNAKQYRRILK RREA
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>comp12853_c0_seq1; 561 91 1140 LEN=1817; translated
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HGFTLRDLEERELVQRRTSACVLLSSFILLRLWIQALMTGDFGLLLLCLFCTSWVSKFV
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PDGGERGAGVGD DAKSHWDRFVYNSAGSLSQRGRYGTVAEEKDAAAKTV DDEEPTCSICL
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>comp12853_c0_seq2; 365 296 769 LEN=1446; translated
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>comp12854_c0_seq1; 254 176 631 LEN=795; translated
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>comp12854_c0_seq2; 254 176 631 LEN=747; translated
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>comp12855_c0_seq1; 302 909 1703 LEN=2020; translated
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RLFDEGRTSRRHLVGAGIKSADITMENNTVSLNKNDRGLPTDILQELDALDSVGDVLET
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>comp12855_c0_seq2; 302 909 1703 LEN=1960; translated
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RLFDEGRTSRRHLVGAGIKSADITMENNTVSLNKNDRGLPTDILQELDALDSVGDVLET
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>comp12856_c0_seq1; 288 154 1200 LEN=1267; translated
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DHLLSAGKSVHSEIVPTTHDLFREWEAACDHAGASPPSADHGVMVTRTAGISIPGLSVE
WSAVVGTNLVHRGRREGGQPHQRFPELEFVLIKDENKVSSGAKPIVWIFNKLTRARKTNA
SRDEGKRGSSGTRNTKLFTRLG VYKNDDSDSWVIRCAGTMEMKFRIPSLVGNLVFSSDA
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>comp12857_c0_seq1; 328 210 866 LEN=1055; translated
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>comp12858_c0_seq1; 1330 1 5188 LEN=5371; translated
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SDFHGMTEPEVVM SLSKLF TSGSIPYSSFFLSNSMPVRDSEAFLYPTCGNCKSSVADIAV
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GKSKLWTSSDYL SIQEALGLTGKNDRTSRGGLGLDEMALAVCRTLSYGVKIDSLAGYS
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SRRTSTMSKRGDDIASVLRSCSPRCSNEDWRGVTAKNLTFIAGELDKKYCNI GRQWFDI
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>comp12859_c0_seq1; 393 173 1667 LEN=2246; translated

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VIGILETLFEGSSITVVMPIYAASGDLFDWLQRAQEQGQGMPEAEARYLFRQVMDGLQYLH
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CGKLSYMSPEIYRNRNPFDDGAVDIWTAGTILFCMVTGNRSYERPCSND AQFYWMSRNLG
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>comp12859_c0_seq2; 364 62 1151 LEN=2010; translated
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>comp12859_c0_seq3; 383 173 1679 LEN=2258; translated
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QYLHQKGI CHRDLSPENIMLDNNSIIIDMGMSIRVPYTDNRNDPSAVTDIVNGTEKRLIK
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>comp12860_c0_seq1; 278 1688 2542 LEN=2635; translated
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FADNR PAPVPPPGLDLNAMMEDAKRTALSSSPASNKTPSISAMQAAERIT ALPFGTEAFE
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>comp12861_c0_seq1; 416 314 1651 LEN=2090; translated
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AIDQIDFLPKKATLTLVDHNF FRGKEAHDWTVTEIVDHHLDEGKHMETCPPSNRNIPFRD
AQALVASTTTLVAEEFYASSGIGKMPPSLA ILLGLTILLDSVNMSPKAGKGT PRDAAMIN
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>comp12862_c0_seq1; 1787 1 5152 LEN=5152; translated
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>comp12862_c0_seq2; 2154 1 6307 LEN=6392; translated
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>comp12863_c0_seq1; 777 824 3544 LEN=3713; translated
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>comp12863_c0_seq2; 671 824 3633 LEN=3802; translated
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>comp12863_c0_seq3; 667 1 3009 LEN=3178; translated
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>comp12863_c0_seq4; 773 1 2920 LEN=3089; translated
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>comp12864_c0_seq1; 545 113 1582 LEN=2026; translated

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STNVVRKHTFMGMAGALAAFFGIPLGGSLFALEVCSRFGVEYFEHLVESIFCGEICLWVF
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>comp12865_c0_seq11; 345 474 2056 LEN=2745; translated
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SEVFRQVSIVYQQQIKKPTNVYLKIKKNFFEDAKSLAEGTIPQSVVLAIIIGIVCGIAC
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PYTISR VHCEAYIPMDHVSPMVFASMF SILGGGSLGPEAPLVAICGALGGFVSRRIFRQS
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RSLAGLP IEP IWNLTSIANPRMMECEPHLIVLGALIGLYGALLAYIFASFHWKNMEFFSK
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>comp12865_c0_seq12; 345 474 2056 LEN=2959; translated
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SEVFRQVSIVYQQQIKKPTNVYLKIKKNFFEDAKSLAEGTIPQSVVLAIIIGIVCGIAC
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PYTISR VHCEAYIPMDHVSPMVFASMF SILGGGSLGPEAPLVAICGALGGFVSRRIFRQS
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RSLAGLP IEP IWNLTSIANPRMMECEPHLIVLGALIGLYGALLAYIFASFHWKNMEFFSK
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>comp12865_c0_seq13; 539 775 2862 LEN=3059; translated
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PYTISR VHCEAYIPMDHVSPMVFASMF SILGGGSLGPEAPLVAICGALGGFVSRRIFRQS
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RSLAGLP IEP IWNLTSIANPRMMECEPHLIVLGALIGLYGALLAYIFASFHWKNMEFFSK
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GFEMDGPFKVFLVGCFLK LISISFTVAGGLRGGYIFPLMCSGSAFGRLLYFVLPETIPMQV
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>comp12865_c0_seq14; 539 955 3042 LEN=3239; translated
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SEVFRQVSIVYQQQIKKPTNVYLKIKKNFFEDAKSLAEGTIPQSVVLAIIIGIVCGIAC
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PYTISR VHCEAYIPMDHVSPMVFASMF SILGGGSLGPEAPLVAICGALGGFVSRRIFRQS
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RSLAGLP IEP IWNLTSIANPRMMECEPHLIVLGALIGLYGALLAYIFASFHWKNMEFFSK
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>comp12865_c0_seq15; 539 729 2816 LEN=3013; translated
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SEVFRQVSIVYQQQIKKPTNVYLKIKKNFFEDAKSLAEGTIPQSVVLAIIIGIVCGIAC
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PYTISR VHCEAYIPMDHVSPMVFASMF SILGGGSLGPEAPLVAICGALGGFVSRRIFRQS
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RSLAGLP IEP IWNLTSIANPRMMECEPHLIVLGALIGLYGALLAYIFASFHWKNMEFFSK
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>comp12865_c0_seq16; 560 729 3030 LEN=3227; translated
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>comp12865_c0_seq17; 345 775 2357 LEN=3260; translated
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SEVFRQVSIYVQQQIKKPTNVYLKIKKNFFEDAKSLAEGTIPQSVVLAIIIGIVCGIAC
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PYTISR VHCEAYIPMDHVSPMVFASMFILGGGSLGPEAPLVAICGALGGFVSRRIFRQS
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RSLAGLPIEPIWNLTSIANPRMMECEPHLIVLGALIGLYGALLAYIFASFHWKNMEFFSK
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>comp12866_c0_seq1; 601 1 1918 LEN=1948; translated
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LSLTKDSLDPDSTIPTPALSGDRVGRPPNHIEIRLYSRDANS AKKTITKPYELGLIATS
GPHVMNGYWKRGAPTSRGALRKIGSNQVVFSSDLGFWDHQGLCFGGRAKDVIRTGGETV
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>comp12867_c0_seq1; 200 1 569 LEN=838; translated
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ALKEALQKK
>comp12867_c0_seq2; 183 502 798 LEN=1067; translated
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>comp12868_c0_seq1; 228 281 601 LEN=888; translated
MNP AFHWNVKQLFVYVVASYETSSKEINDVVIWDKIIENIDSVEDKH IKQENVFVKYALV
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>comp12868_c0_seq2; 287 83 613 LEN=900; translated
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ALLSFNIDADMNPAFHWNVKQLFVYVVASYETSSKEINDVVIWDKIIENIDSVEDKH IKQ
ENVFVKYALVDQGNELRGKDVSLRLMWDHMPITGFVYMDSQAKDTTTSFSLPLEYK
>comp12869_c1_seq1; 95 1 340 LEN=813; translated
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EGLRASCEAALEDLMDEGEGRGSESVLERARRLTAQLQYWNRL EEALEEAEP
>comp12869_c1_seq2; 105 1 367 LEN=840; translated
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>comp12870_c0_seq1; 521 209 1405 LEN=1539; translated
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>comp12871_c0_seq1; 165 1 515 LEN=1164; translated
XAIEHNKENKEALKLSCSTLVKMSFRRFLATMVFLAACTKPELAASLGLNHHKRRKSTDL
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>comp12872_c0_seq1; 835 189 3848 LEN=3951; translated
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KRRSDASKSISADSRVHFSPEIDFGGLSPINRRSSRNSKNEELLSSSETKTRGTPPSS
LRNASFPATASASVAIGSPRPHENRDSKSPTTVSESTAKSSIGRVSSQGNEKTKPLGDKK
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>comp12873_c0_seq1; 375 208 1911 LEN=2163; translated
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STRPHSSMKAVRSSSKKESNPDVAVPISRLQSSVTSGSLTEETFSTNVIKRNVPSPST
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TSGKTKQKDLHTEAKSVPQTSVDSSTEQSNAFYKRRSGRRIGGRADSEKRNQRYTNAENR
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>comp12874_c0_seq1; 158 481 657 LEN=1173; translated
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>comp12875_c0_seq1; 197 1 886 LEN=2058; translated
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KGKVLNGMCATWIWIYINIGINIVYMAIFGKLWRIQRVVSQFRRRQNVSVNQTIWPLRVMFF
VNLILSVWTFENPPKYRKLDSSEKNNFVLGTCDVFVQLPYFVPSQLILLVAVALGLWMAYK
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>comp12876_c0_seq1; 608 138 2807 LEN=3704; translated
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TLLLPLYYSQCDPLRYGYAFCEEHGMHTDFEQLTIVNLLPLVRSEIFYSNGTVVDYSYG
NRTYNTNSSFFRPYYNESLSGVVDVIRSSKIKWSPGITERYLAVVLVTALVSMYTCYLLWH
EWWQCLALRRVYYLESEHYEERLDELDDVRTNSDPENPFQKVRPPFLPHELRETVPNIS
LYSALYKLPENLELKADPSCEKSLVELQLEAAVEFLDQCVPNQPGYTSSIAAITMLPDAK
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HAQSSQIEIMIKDIDVVFVSCKATNSCDSEYHRNEEDKVI GNDVKNEEKTNNDSNANTVL
LDIEKGNVRSASQQSPGDSANTQSHDLELGDATRSEVATKSAFDVVS GEMNADDKGKE
EGKSFSSSKLAKTIVPGFNQESVGGHFYDEFDPVTFKWLGYSEETELEQVIDTLDIEQ

LSVYAREMSQSASNCCVYGCTPKTLSFLSIEQLEVLVEDTWTSAHEANAMLLARANMFK
EHQKREAEINTKIEVATSKKDDATNDEKSQSVKKTQSEDASTRFSRKRPPASSNLDLSS
KDERTASANPSDLPSNLDHNVLMKMSGLRQRGKRAGRTQSTRAKYNVAQKLVTEINDISTP
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>comp12876_c0_seq2; 651 138 3427 LEN=3427; translated
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TLLPLYYTSQCDPLRYGYAFCEEHGMHTDFEQLTIVNLLPLVRSEIFYSNGTVVVDYSYG
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LYSALYKLPENLELKADPSCSEKSLVELQLEAAVEFLDQCVNPQPGYTSSIAAITMLPDAK
KLTKVWGWKYACGNMRYLRVKAQLERRREMKKAGQLGLHDILVAAPATMAKATVKATA
ETFDVVKDKAVEGMSTIKKYTTEKIGEGILAVKGLGNQDES IDEKETDLGDTEVVFVSCRE
HAQSSQIEIMIKDIDDVVFVSCATNSCSEYHRNEEDKVI GNDVKNEEKTNNDSNANTVL
LDIEKGN SVRSASQQSPGDSANTQSHDLELGDATRSERVATKSAFDVVS GEMNADDKGKE
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KDERTASANPSDLPSNLDHNVLMKMSGLRQRGKRAGRTQSTRAKYNVAQKLVTEINDISTP
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LADAPPRTPCFRCRCCRPVTLTISNKEKRSRTTFTWTFYVLWCMVYTIPLTMVSQLLNPT
LLAEVFPDVEVLQNPDTFFFKALAGISTGYIYTLFFSILPQIFKLLAFSEGSSSSKPAE
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>comp12876_c0_seq3; 682 138 3377 LEN=4296; translated
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NRTYNTNSSFFRPPYNESSLGVDVIRSSKIKWSPGITERYLAVVLVTALVSMYTCYLLWH
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KDERTASANPSDLPSNLDHNVLMKMSGLRQRGKRAGRTQSTRAKYNVAQKLVTEINDISTP
MREDAEDEIGHGAKKGVLDHPDYCVVTFSTRQAAIAGRQCLIDGKGTRAWAQVHSIPMHP
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>comp12876_c0_seq4; 802 138 4127 LEN=4192; translated
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NRTYNTNSSFFRPPYNESSLGVDVIRSSKIKWSPGITERYLAVVLVTALVSMYTCYLLWH
EWWQCLALRRVYYLESEHYEERLDELDDVRTNSDPENPFQKVRPPFLPHELRETVPNIS
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KLTKVWGWKYACGNMRYLRVKAQLERRREMKKAGQLGLHDILVAAPATMAKATVKATA
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HAQSSQIEIMIKDIDDVVFVSCATNSCSEYHRNEEDKVI GNDVKNEEKTNNDSNANTVL
LDIEKGN SVRSASQQSPGDSANTQSHDLELGDATRSERVATKSAFDVVS GEMNADDKGKE
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LSVYAREMSQSASNCCVYGCTPKTLSFLSIEQLEVLVEDTWTSAHEANAMLLARANMFK
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KDERTASANPSDLPSNLDHNVLMKMSGLRQRGKRAGRTQSTRAKYNVAQKLVTEINDISTP
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LADAPPRTPCFRCRCCRPVTLTISNKEKRSRTTFTWTFYVLWCMVYTIPLTMVSQLLNPT

LLAEVFPDVEVLQNPDTFFFFKALAGISTGYIYTLFFSILPQIFKLLAFSEGSSSSSKPQAE
EYAMRFYWFMLVTAFTGQSLVQMLLDGILQGNVGKEFKELSSVAASIATSQAPTWLNW
IIVRTGTTPLPMVYLLQFNFTLYGCFRIPWLNVRVMRGGGPGPPYRIYIDSGVVMCLTS
LAPACPIIAPFCLLYAVFIPILRWLHVVFYRPFYDGGNRMPVIHEIIISSLILSQQLL
GTVLLKQSFIFGITTTIMTFTLLFSELTKEKFQRAYNDAGLWQTSKLDGLTNKETIKG
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>comp12876_c0_seq7; 673 138 3362 LEN=3573; translated
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TLLPLYYTSQCDPLRYGYAFCEEHGMHTDFEQLTIVNLLPLVRSEIFYSNGTVVDYSYG
NRTYNTNSSFFRPPYNESSLGVDVIRSSKIKWSPGITERYLAVVLVTALVSMYTCYLLWH
EWVQCLALRRVYYLESEHYEERLDELDDVRTNSDPENPFQKVRPPFLPHELRETVPNIS
LYSALYKLPENLELKADPSCEKSLVELQLEAAVEFLDQCVPNQPQGYTSSIAAITMLPDAK
KLTKVWGKWAYACGNMRYLRVKAQLERRREMCKAGQLGLHDILVAAPATMAKATVKATA
ETFDVVKDKAVEGMSTIKKYTTEKIGEGILAVKGLGNQDESIDEKETDLGDTEVVFVSCRE
HAQSSQIEIMIKDIDDVVFVSCKATNSCDSEYHRNEEDKVI GNDVKNEEKTNNDSNANTVL
LDIEKGNVRSASQQSPGDSANTQSHDLELGDATRSERVATKSAFDVVS GEMNADDKGKE
EGKSFSSSKLAKTIVPGFNQESVGGHFYDEFDPVTFKWLGYSEETELEQVIDTLDIEQ
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EHQKREAEINTKIEVATSKKDDATNDEKSQSVKKTQSEDASTRFSRKR PASSNLDLSS
KDERTASANPSDLPSNLDHNVLKMSGLRQRGKRAGRTQSTRAKYNVAQKLVTEINDISTP
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LADAPRTPCFRCRCPVTLTISNKEKRSRTTFTWTFYVLWCMVYTIPLTMVSQLLNPT
LLAEVFPDVEVLQNPDTFFFFKALAGISTGYIYTLFFSILPQIFKLLAFSEGSSSSSKPQAE
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>comp12876_c0_seq8; 608 138 2807 LEN=2978; translated
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TLLPLYYTSQCDPLRYGYAFCEEHGMHTDFEQLTIVNLLPLVRSEIFYSNGTVVDYSYG
NRTYNTNSSFFRPPYNESSLGVDVIRSSKIKWSPGITERYLAVVLVTALVSMYTCYLLWH
EWVQCLALRRVYYLESEHYEERLDELDDVRTNSDPENPFQKVRPPFLPHELRETVPNIS
LYSALYKLPENLELKADPSCEKSLVELQLEAAVEFLDQCVPNQPQGYTSSIAAITMLPDAK
KLTKVWGKWAYACGNMRYLRVKAQLERRREMCKAGQLGLHDILVAAPATMAKATVKATA
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HAQSSQIEIMIKDIDDVVFVSCKATNSCDSEYHRNEEDKVI GNDVKNEEKTNNDSNANTVL
LDIEKGNVRSASQQSPGDSANTQSHDLELGDATRSERVATKSAFDVVS GEMNADDKGKE
EGKSFSSSKLAKTIVPGFNQESVGGHFYDEFDPVTFKWLGYSEETELEQVIDTLDIEQ
LSVYAREMSQSASNCCVYGCTPKTLSFLSIEQLEVLVEDTWTSAHEANAMLLARANMFK
EHQKREAEINTKIEVATSKKDDATNDEKSQSVKKTQSEDASTRFSRKR PASSNLDLSS
KDERTASANPSDLPSNLDHNVLKMSGLRQRGKRAGRTQSTRAKYNVAQKLVTEINDISTP
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>comp12877_c0_seq1; 211 229 1146 LEN=1259; translated
MVVAFNRMFLPLIITFTLTTCCLAFEDDLVLSFLIWSPPMLDFDFVEEAVSEALRTFLC
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NYDANGTAQGTEDVDVNYEVLQMG MNEVEKVKASNATDETF SLEDRIQHLLNESITKGLMR
YRLWGTGILMFQLGQKLEDLPENSLTFEENINADPELDYKQVAIVLRYIGIVMIVGSFS
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FSAAC

>comp12878_c0_seq1; 382 53 1033 LEN=1479; translated
MTSCSRIGRSGRRYSSLVVGREQRISRRPGFQRRFSGASGNGSERVATEIDPSTGICRV
QLARPDKLNAFDIPMFEAVAETATRLKTDRSIRVVILSGQGRAFSTGLDVKSVLKDGDPR
KKIKHLIERRSRPSVPWNEDQDKQITSNLAQDVSILWRELDAPVVAVLQGM CYGAGLQ
VALGADFRYSTPDCRLSVMEGKWGLIPDMGASILLPELVRIDVAKELTMTARIVGGSEAA
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>comp12879_c0_seq1; 379 1 2172 LEN=2215; translated
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WRQKERQEYGLTQTRAGFYLRSDLAIQKPRCQGCDAE EKERLLRNPSKNRKKERRPFAG
DELMQC LDCGFIGCSPPSLNPNTKNYMLRHMLVTGHKFAVSCGEKALVFCFPFGDFVYHE

VFEQEKIRIACARKLPHMAWNEHAVLRSFDPFQFLKTADSGI IWKGLVATYPPLVPKEHF
CAVQLTLRRQALFEGNSSDRWILPKPNALYFAASQHARDEKERFQIAAPVGIYNLGNCTCF
MSAILQCLISCRPLQOYFLRDSGHHFKSCEVFRHKEELLAATAAAAASGPAKRNLVKS
SGAVSTVKKKTKVRSEVCLACEMDRFLSYYGATVGNDVFPVIEESSRNLVGNLDQCDP
VTLHEVVVPIEKGDPLIISDLLTSAWKSGGMNHLTGYDQHDAAHEFLNSFLELLGKHILMF
RQRTAAATKVYKENALMPDFDPKKNDLIKSLFEGSLRSVLLCETCGVKRVQLEPFMNV
LSLSEEVERMQERKGMQKLDMSVESCLQHFVTPEQLGDLVYCNACRKKTRTKKQHTFAK
LPKILCLHLKRFDATKNKKIENFVSFSPSHGLNMGGLLSHWCEVTRLESSKRGNDVSTPSA
KPKILYDLFGTVNHVGNMQSGHYVANVKVEDTWHYCNQDQHSYEKEESVLKAEGAYVLFY
IRR

>comp12880_c0_seq1; 949 202 1992 LEN=2227; translated
MTGIWRLNLPFGLLLSLWCMTLRPSQAFSTKGLTERKISTLDKKNPSFSGSIYRSSPPL
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GKTAVTLTAFAVAAGAIVLRVGGRAALVSAVGLDFVNDNPEMQEQINQVLQYAESVDPVL
KTGLFWLWTFVKTLCFDAGGIVLAFASGILFGGVLQGAIMSALGATIGSSVAFALAKAD
TPVREKAI EIVEENPSLRGLEKVVVADEGLKAVLTFRLAPVLP IPLGMYNYVYGITNVRFV
DFAGGIFLGS LKPYFLDSYLYGKSLVDGSASEGGLQDYVLIGVLGLSVLIGVFASQLA
SETWEAIQKEQEAEDRENK LKETGGEDDDGVTTEVFGFELPQWVMVGFQYGLQDADERM
NRLVLQEYDAKVWNCTEDSSFFGIEVSKKNLDPNKNPALVDPASPEITDRYEGVDFGATT
CDGLVLSPI LFSYFLKIQDPLFDERSLREEDWDRGSGATAET TAAQPLASTDAPPVAQTS
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>comp12880_c0_seq2; 947 202 1980 LEN=2215; translated
MTGIWRLNLPFGLLLSLWCMTLRPSQAFSTKGLTERKISTLDKKNPSFSGSIYRSSPPL
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GKTAVTLTAFAVAAGAIVLRVGGRAALVSAVGLDFVNDNPEMQEQINQVLQYAESVDPVL
KTGLFWLWTFVKTLCFDAGGIVLAFASGILFGGVLQGAIMSALGATIGSSVAFALAKAD
TPVREKAI EIVEENPSLRGLEKVVVADEGLKAVLTFRLAPVLP IPLGMYNYVYGITNVRFV
DFAGGIFLGS LKPYFLDSYLYGKSLVDGSASEGGLQDYVLIGVLGLSVLIGVFASQLA
SETWEAIQKEQEAEDRENK LKETGGEDDDGVTTEVFGFELPQWVMVGFQYGLQDADERM
NRLVLQEYDAKVWNCTEDSSFFGIEVSKKNLDPNKNPALVDPASPEITDRYEGVDFGATT
CDGLVLSPI LFSYFLKIQDPLFDERSLREEDWDRGSGATAET TAAQPLASTDAPPVAQTS
AVDVAEDVRS GSGPSPEFVEGIFLNQLQALKDETQQRIDETNRKLSEMSDE

>comp12881_c0_seq2; 368 1 1003 LEN=1003; translated
QQQQQPIGSP IANT IATSPPKRDKMAALAARSNSPPKRDKMAALAARSNAAGGGEHQQQE
TPAPGTPSPGPKRDKMAALNARQNNASSVENSSLAEDPKDATMAIESPPRRDKLAAMASRS
MNSTADAAPASSRNSKLARLVASGTTGGGTSEVNTKSRDEIAEAAAAREKHLAKLKERL
SKRKGMLDSLDR AETLTCRLKIAAQTTALQDLNFSSNLSRLSTAYRATLQELHPLLT
GTEDLIKPYQNHTEETKQSMYAARVEMRLAKERLDVLTFTLELREEKKEAEAAAATADP
NGNPATDGDETAENENDETTRKNNKIIDEKLCHG

>comp12882_c0_seq1; 429 164 1539 LEN=1668; translated
MVRDYFLSRSSSEQKSSDSSSLGVIFSLVALGAVVGATITFRISTADAKDNERYQNETEDM
VPRCTCDAITKRERLPLLVILVRHGESEGNVDKTAWWRKADHDIELTDKKGQQAADAGKR
IEAIF SAYDNNCDS ENLVGISTIEDEANENENKTNVPRIPGQTRRRRSVIRHVHLHVS
PFERTKQTAKYARPF FDYRVTKYKLCPRLREQEFGNLQGETFQDYRQEQSKLDASGT
XFPTG ESGADVLDRVKSWEYNI IQTNNHNCNPFDDYEWDFGKNDHHCDAVVVFSHGL
TLRSILCQLFKW S ISTFHSVYNAKNC DLYVLKRDLNKP GHSPYVLDGIHGDLPKSS
IDVCVTLSR KKPKNRNNIDRGRNIDSNERDDKGNWKEEENS IQEVKIYKLLDYL
SIPAPRMSHTKEVKN KLVEQYPEQFKGGSADIESVSFLPFHLCNSPKRSPQE

>comp12883_c1_seq2; 670 301 2253 LEN=2486; translated
MDGIEDDAAA AWWVWALLWICALASFWSQATVTEERLVPALNVISSHYKIPPIAGATLM
AAGASSPEL FSSIVALFVTHSALGLGTVVGSEIFNQLIICAGAVFASKGKILDKTILA
REVGFYALGI ILLYLALRDTKPLGDDPDGPNYIFISFSEATMVFSGYILYVVVCSNFNAI
VGH LTKAKKKVRLTLASLSTKKFYGTAVSTKNLHPGKMDFLIEEKNLSKEPVENWESIEY
YMPAIASSADDGASIRSDENLLDSSRRASLANSVRSSIFSMNNTVLRKLVASERPT
EIFSLHDVQINDFKNEISCF LQRSIFYNKAYFGQNAWQLRWF TISPLKVSSVPDSCDPN
HRLKYPHFTAIEIDEKHLI INMINPVEGKRNFLLMAPSKPIFDKIEKME LFMQRN
STTNAE DLIKDNSSDEIEDDEFEGASGHESLIELSV DSTNLETVFFLLFPLRLLIQVT
IPDVRML DEEGEVAATVGRAYLSTFSCLVWLIFGSYTMVASLEALGELMNI PDAV
MGFTVSAAGTSL PNYVASKVAAENGFGNQAVSNAFGSNTFNIMVGLGLPWMLYISL
GLGFEPYHGLKDDHIL DSILILFGFLAVFVAFMLVSGFV MYKWHGMMFIMGYGGYI
VYAIGAGLSG

>comp12884_c0_seq1; 263 1 1725 LEN=2037; translated
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QYDVIFMTAENGLRQRSSVETTNNSKLNLSLKSSTIEDDNANENNSSSNRIIPKGPRSAMS
GDQVQKDEKRKSKFLVRVVSFGFLISVFSSCIFLGHLYVCGIVALAEFLLFRELVKVRYN
TYFAQVKNNTVPLFRTTQWAWFSVAIFYTYGDFACEVIQNSNDLHYLVPYAQYLNTVAFG
LYSGVFVLTATMQNGHIKQFNQLCWTIVVLCITVGMKYIMHNI FNGLFWFTFPFLLV
VVNDIMAYFCGMSMGRKFIKRPFIWFSPNKTWEGFIGGVCTMIVAWYLSRFLAKFTWMT
CPVNDFDLFPDLDLCIGSDNSTSDSVHHIFVEAHSIIPGQVFDILPKSLVQLIPGIVDVC
VSNNGADSDASTFSPCGSIGDLNDHEETFHHFELVVKNVYPIQIHALWLGLFASLVAPFG
GFLASAIKRAYGIKDFDSLIPGHGGVTDRLDCQFLMALYTWWHYNSFCRLTTISVPKLVY
HYNLLSAMEQQQFLEAAILAAGGSALDPKLLRRVRQ

>comp12884_c0_seq2; 253 1 1861 LEN=2173; translated
XEHDALERHTPTGSGTRFTLISRITYQCHYVPKEKDRDKLKXGIQLIGSSQTKANQTEGN
QYDVIFMTAENGLRQRSSVETTNNSKLNLSLKSSTIEDDNANENNSSSNRIIPKGPRSAMS
GDQVQKDEKRKSKFLVRVVSFGFLISVFSSCIFLGHLYVCGIVALAEFLLFRELVKVRYN
TYFAQVKNNTVPLFRTTQWAWFSVAIFYTYGDFACEVIQNSNDLHYLVPYAQYLNTVAFG
LYSGVFVLTATMQNGHIKQFNQLCWTIVVLCITVGMKYIMHNI FNGLFWFTFPFLLV
VVNDIMAYFCGMSMGRKFIKRPFIWFSPNKTWEGFIGEHTIHELLVGGRAILSTRRALVPH
GVFLFIPSPCTLCNGSQHNIAGGGVCTMIVAWYLSRFLAKFTWMTCPVNDFDLFPDLDLC
IGSDNSTSDSVHHIFVEAHSIIPGQVFDILPKSLVQLIPGIVDVCVSNNGADSDASTFSP
CGSIGDLNDHEETFHHFELVVKNVYPIQIHALWLGLFASLVAPFGGFLASAIKRAYGIK
FDSLIPGHGGVTDRLDCQFLMALYTWWHYNSFCRLTTISVPKLVYHYNLLSAMEQQQFLE
AAILAAGGSALDPKLLRRVRQ

>comp12885_c0_seq1; 375 247 1329 LEN=1508; translated
MNEGKMIMALTEQEKMRAAAKLHLSTGEALLAAAGGSETSSLFPQESSVFGRNAGYSSMV
NPMAARGLPSSMYDGLGSSFTDRSLLMGMSGSI SNPSNPLSDMGNSLGMGMGGIGMGG
MGSVLGPGHRDLFSGADILSAVDRNQMRMERMMLMRQRESMMLASRAEAWQLGMKMRSVS
TSVVTGSELDSESTLAALGNSMRKSSPYIDASAMADPPEFELARRRTRGGVTEPFPEK
LHRMLLEIEKEGNHVISFFPHGRAFGIHDSDAFESKIMPKYFKQSRLSSFFQRQLNLYGF
TRIVSGPDSGGYHELFLKGRPALCTHMRRVGI PKGVDRRIKATLNKKEPDFYSMRPSL

>comp12887_c0_seq1; 238 540 1289 LEN=2164; translated
MVAGPLTPALGKHFNLVGSLSFGALTSAYPLGMMIGIFIWPSLSDRLGRRKILSLSLLGS
GLGLMAQALVIDRGGSLIQFLLARSLTGLTAGSSPVGKAYLADIGAKDGKLPYLSLKDA
SSTLAFIIGPAAGLLFDVLGASEKISKAEVLDSSRSLAFVIAISGVASILASLIAALLV
QESIGPKRVTGGSPDDKKAHGDIGATKIIENDQDEDLISCPGRNLWAGVASVCAVSFFF
NVGDSTFHA

>comp12887_c0_seq2; 312 596 1771 LEN=1962; translated
MIGIFIWPSLSDRLGRRKILSLSLLGSLGLMAQALVIDRGGSLIQFLLARSLTGLTAGS
SPVGKAYLADIGAKDGKLPYLSLKDASSTLAFIIGPAAGLLFDVLGASEKISKAEVLD
SSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKAHGDIGATKIIENDQ
DEDLISCPGRNLWAGVASVCAVSFFFNVGDSTFHAFSTFLRNQGIPTADIGFLFTSLA
CVSFLVSSSLT SKILRSLGPVLT CAGGLTLVGSLLFMGLAASGASLIQPSFTILGAI
IYFCGVSLSYGP TIPTMLLRVPPNKRGFIMGLDGFINTLARIMTPIVSGEYRRYNAGTA
FAAAGSAVVC GAFIALFRFRFSTLRDRKETQL

>comp12887_c0_seq3; 69 1 333 LEN=2165; translated
ISFDNPDELLNMSMSKITLILVFMVLNLSARKNKASAFIRTTDLYERVNKNSPSLSLSPI
GRTSDNVMRQRPGLDRMRVAVSRPSSRVINDGSGDNMSDSHSRQSSGYINW

>comp12887_c0_seq4; 238 540 1289 LEN=2092; translated
MVAGPLTPALGKHFNLVGSLSFGALTSAYPLGMMIGIFIWPSLSDRLGRRKILSLSLLGS
GLGLMAQALVIDRGGSLIQFLLARSLTGLTAGSSPVGKAYLADIGAKDGKLPYLSLKDA
SSTLAFIIGPAAGLLFDVLGASEKISKAEVLDSSRSLAFVIAISGVASILASLIAALLV
QESIGPKRVTGGSPDDKKAHGDIGATKIIENDQDEDLISCPGRNLWAGVASVCAVSFFF
NVGDSTFHA

>comp12887_c0_seq5; 248 727 1377 LEN=2252; translated
MIGIFIWPSLSDRLGRRKILSLSLLGSLGLMAQALVIDRGGSLIQFLLARSLTGLTAGS
SPVGKAYLADIGAKDGKLPYLSLKDASSTLAFIIGPAAGLLFDVLGASEKISKAEVLD
SSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKAHGDIGATKIIENDQ
DEDLISCPGRNLWAGVASVCAVSFFFNVGDSTFHA

>comp12887_c0_seq6; 302 540 1814 LEN=2005; translated
MVAGPLTPALGKHFNLVGSLSFGALTSAYPLGMMIGIFIWPSLSDRLGRRKILSLSLLGS

GLGLMAQALVIDRGGSLIQFLLARSLTGLTAGSSPVGKAYLADIGAKDGKLPYRSLKDA
SSTLAFIIGPAAGLLFDVVGASEKISKAEVLDSSRSLAFVIAISGVASILASLIAALLV
QESIGPKRVTGGSPDDKKAHGDIGATKIIENDQDEDLISCPGRNLWAGVASVCAVSFFF
NVGDSTFHAFSTFLRNQGIPTADIGFLFTSLACVSFLVSSSLTSKILRSLGVPVLTCAAG
LTLVGSSLLFMGLAASGASLIQPSFTILGAIAAIYFCGVSLYGPTIPTMLLRVPPNKR
G FIMGLDGFINTLARIMTPIVSGEIYRRYNAGTAAAGSAVVCGAFIALFRRFSTLRDRK
ETQL

>comp12887_c0_seq7; 224 1 1158 LEN=1961; translated
ISFDNPDELLNMSMSKITLILVFMVLNLSARKNKASAFIRTTDLYERVNKNPSLSLSPI
GRTSDNVMRQRPGLDRMRVAVSRPSSRVINDGSGDNMSDSHSRQSSGYINWKKDPRNRA
VSGVLISSFLSLLGFTMVAGPLTPALGKHFNLEVGSLFGALTSAYPLGMMIGIFIWPSLS
DRLGRRKILSLSLLGSGGLGLMAQALVIDRGGSLIQFLLARSLTGLTAGSSPVGKAYLADI
GAKDGKLPYRSLKDA SSTLAFIIGPAAGLLFDVVGASEKISKAEVLDSSRSLAFVIAI
SGVASILASLIAALLVQESIGPKRVTGGSPDDKKAHGDIGATKIIENDQDEDLISCPGR
NLWAGVASVCAVSFFFNVGDSTFHA

>comp12887_c0_seq8; 248 596 1246 LEN=2049; translated
MIGIFIWPSLS DRLGRRKILSLSLLGSGGLGLMAQALVIDRGGSLIQFLLARSLTGLTAGS
SPVGKAYLADIGAKDGKLPYRSLKDA SSTLAFIIGPAAGLLFDVVGASEKISKAEVLD
SSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKAHGDIGATKIIENDQ
DEDLISCPGRNLWAGVASVCAVSFFFNVGDSTFHA

>comp12887_c0_seq9; 312 727 1902 LEN=2093; translated
MIGIFIWPSLS DRLGRRKILSLSLLGSGGLGLMAQALVIDRGGSLIQFLLARSLTGLTAGS
SPVGKAYLADIGAKDGKLPYRSLKDA SSTLAFIIGPAAGLLFDVVGASEKISKAEVLD
SSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKAHGDIGATKIIENDQ
DEDLISCPGRNLWAGVASVCAVSFFFNVGDSTFHAFSTFLRNQGIPTADIGFLFTSLA
CVSFLVSSSLTSKILRSLGVPVLTCAAGLTLVGSSLLFMGLAASGASLIQPSFTILGAI
AAIYFCGVSLYGPTIPTMLLRVPPNKRGFIMGLDGFINTLARIMTPIVSGEIYRRYNAGT
AAAGSAVVCGAFIALFRRFSTLRDRKETQL

>comp12887_c0_seq10; 69 1 333 LEN=2034; translated
ISFDNPDELLNMSMSKITLILVFMVLNLSARKNKASAFIRTTDLYERVNKNPSLSLSPI
GRTSDNVMRQRPGLDRMRVAVSRPSSRVINDGSGDNMSDSHSRQSSGYINW

>comp12887_c0_seq11; 210 540 1220 LEN=2077; translated
MVAGPLTPALGKHFNLEVGSLFGALTSAYPLGMMIGIFIWPSLS DRLGRRKILSLSLLGS
GLGLMAQALVIDRGGSLIQFLLARSLTGLTAGSSPVGKAYLADIGAKDGKLPYRSLKDA
SSTLAFIIGPAAGLLFDVVGASEKISKAEVLDSSRSLAFVIAISGVASILASLIAALLV
QESIGPKRVTGGSPDDKKAHGDIGATKIIENDQDEDLISCPGRNLW

>comp12887_c0_seq12; 250 652 1344 LEN=2219; translated
MVTHSHSPLENTGMMIGIFIWPSLS DRLGRRKILSLSLLGSGGLGLMAQALVIDRGGSLIQ
FLLARSLTGLTAGSSPVGKAYLADIGAKDGKLPYRSLKDA SSTLAFIIGPAAGLLFDV
VGASEKISKAEVLDSSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKA
HGDIGATKIIENDQDEDLISCPGRNLWAGVASVCAVSFFFNVGDSTFHA

>comp12887_c0_seq13; 222 652 1275 LEN=2132; translated
MVTHSHSPLENTGMMIGIFIWPSLS DRLGRRKILSLSLLGSGGLGLMAQALVIDRGGSLIQ
FLLARSLTGLTAGSSPVGKAYLADIGAKDGKLPYRSLKDA SSTLAFIIGPAAGLLFDV
VGASEKISKAEVLDSSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKA
HGDIGATKIIENDQDEDLISCPGRNLW

>comp12887_c0_seq14; 288 1 1683 LEN=1874; translated
ISFDNPDELLNMSMSKITLILVFMVLNLSARKNKASAFIRTTDLYERVNKNPSLSLSPI
GRTSDNVMRQRPGLDRMRVAVSRPSSRVINDGSGDNMSDSHSRQSSGYINWKKDPRNRA
VSGVLISSFLSLLGFTMVAGPLTPALGKHFNLEVGSLFGALTSAYPLGMMIGIFIWPSLS
DRLGRRKILSLSLLGSGGLGLMAQALVIDRGGSLIQFLLARSLTGLTAGSSPVGKAYLADI
GAKDGKLPYRSLKDA SSTLAFIIGPAAGLLFDVVGASEKISKAEVLDSSRSLAFVIAI
SGVASILASLIAALLVQESIGPKRVTGGSPDDKKAHGDIGATKIIENDQDEDLISCPGR
NLWAGVASVCAVSFFFNVGDSTFHAFSTFLRNQGIPTADIGFLFTSLACVSFLVSSSLT
SKILRSLGVPVLTCAAGLTLVGSSLLFMGLAASGASLIQPSFTILGAIAAIYFCGVSLYGP
TIPTMLLRVPPNKRGFIMGLDGFINTLARIMTPIVSGEIYRRYNAGTAAAGSAVVC
GAFIALFRRFSTLRDRKETQL

>comp12887_c0_seq16; 248 727 1377 LEN=2180; translated
MIGIFIWPSLS DRLGRRKILSLSLLGSGGLGLMAQALVIDRGGSLIQFLLARSLTGLTAGS
SPVGKAYLADIGAKDGKLPYRSLKDA SSTLAFIIGPAAGLLFDVVGASEKISKAEVLD

SSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKAHGDIGATKIIENDQ
DEDLISCP LGRNLWAGVASVCAVSFFFNVGDSTFHA
>comp12887_c0_seq17; 211 195 965 LEN=965; translated
MWLPHIGSSPVGKAYLADIGAKDGKLPYLSLKDASSTLAFIIGPAAGLLFDV LGASEK
ISKAEVLDSSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKAHGDIGA
TKIIENDQDEDLISCP LGRNLWAGVASVCAVSFFFNVGDSTFHAFSTFLRNQGIPTADI
GFLFTSLACVSFLVSSSLTSKILRSLGPVLT CAGGLTLVGSSLLFMGLAASGASLIQPSF
TILGAI AAIYFCGVSLY
>comp12887_c0_seq18; 314 652 1869 LEN=2060; translated
MVTHSHSPLENTGMMIGIFIWPSLSDR LGRRKILSLSLLGSGLG LMAQALVIDRGGSLIQ
FLLARSLTGLTAGSSPVGKAYLADIGAKDGKLPYLSLKDASSTLAFIIGPAAGLLFDV
LGASEKISKAEVLDSSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKA
HGDIGATKIIENDQDEDLISCP LGRNLWAGVASVCAVSFFFNVGDSTFHAFSTFLRNQGI
IPTADIGFLFTSLACVSFLVSSSLTSKILRSLGPVLT CAGGLTLVGSSLLFMGLAASGAS
LIQPSFTILGAI AAIYFCGVSLYGPTIPTMLLRVPPNKRGFIMGLDGFINTLARIMTPI
VSGEIYRRYNAGTAF AAAGSAVVC GAFIALFRFRSTLRDRKETQL
>comp12887_c0_seq19; 250 783 1475 LEN=2278; translated
MVTHSHSPLENTGMMIGIFIWPSLSDR LGRRKILSLSLLGSGLG LMAQALVIDRGGSLIQ
FLLARSLTGLTAGSSPVGKAYLADIGAKDGKLPYLSLKDASSTLAFIIGPAAGLLFDV
LGASEKISKAEVLDSSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKA
HGDIGATKIIENDQDEDLISCP LGRNLWAGVASVCAVSFFFNVGDSTFHA
>comp12887_c0_seq20; 228 195 689 LEN=1052; translated
MWLPHIGSSPVGKAYLADIGAKDGKLPYLSLKDASSTLAFIIGPAAGLLFDV LGASEK
ISKAEVLDSSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKAHGDIGA
TKIIENDQDEDLISCP LGRNLWAGVASVCAVSFFFNVGDSTFHA
>comp12887_c0_seq21; 222 783 1406 LEN=2263; translated
MVTHSHSPLENTGMMIGIFIWPSLSDR LGRRKILSLSLLGSGLG LMAQALVIDRGGSLIQ
FLLARSLTGLTAGSSPVGKAYLADIGAKDGKLPYLSLKDASSTLAFIIGPAAGLLFDV
LGASEKISKAEVLDSSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKA
HGDIGATKIIENDQDEDLISCP LGRNLW
>comp12887_c0_seq23; 69 1 333 LEN=689; translated
ISFDNPDELLNMSMSKITLILVFMVNLNSARKNKASAFIRTTDLYERVNKNPSLSLSPI
GRTSDNVMRQRPGLDRMRVAVSRPSSRVINDGSGDNMSDSHSRQSSGYINW
>comp12887_c0_seq24; 224 1 1158 LEN=2033; translated
ISFDNPDELLNMSMSKITLILVFMVNLNSARKNKASAFIRTTDLYERVNKNPSLSLSPI
GRTSDNVMRQRPGLDRMRVAVSRPSSRVINDGSGDNMSDSHSRQSSGYINWWKKDPRNRA
VSGVLISSFLLSLLGFTMVAGPLTPALGKHFNLEVGS LFGALTSAYPLGMMIGIFIWPSLS
DRLGRRKILSLSLLGSGLG LMAQALVIDRGGSLIQFLLARSLTGLTAGSSPVGKAYLADI
GAKDGKLPYLSLKDASSTLAFIIGPAAGLLFDV LGASEKISKAEVLDSSRSLAFVIAI
SGVASILASLIAALLVQESIGPKRVTGGSPDDKKAHGDIGATKIIENDQDEDLISCP LGR
NLWAGVASVCAVSFFFNVGDSTFHA
>comp12887_c0_seq25; 196 1 1089 LEN=1946; translated
ISFDNPDELLNMSMSKITLILVFMVNLNSARKNKASAFIRTTDLYERVNKNPSLSLSPI
GRTSDNVMRQRPGLDRMRVAVSRPSSRVINDGSGDNMSDSHSRQSSGYINWWKKDPRNRA
VSGVLISSFLLSLLGFTMVAGPLTPALGKHFNLEVGS LFGALTSAYPLGMMIGIFIWPSLS
DRLGRRKILSLSLLGSGLG LMAQALVIDRGGSLIQFLLARSLTGLTAGSSPVGKAYLADI
GAKDGKLPYLSLKDASSTLAFIIGPAAGLLFDV LGASEKISKAEVLDSSRSLAFVIAI
SGVASILASLIAALLVQESIGPKRVTGGSPDDKKAHGDIGATKIIENDQDEDLISCP LGR
NLW
>comp12887_c0_seq28; 69 1 333 LEN=820; translated
ISFDNPDELLNMSMSKITLILVFMVNLNSARKNKASAFIRTTDLYERVNKNPSLSLSPI
GRTSDNVMRQRPGLDRMRVAVSRPSSRVINDGSGDNMSDSHSRQSSGYINW
>comp12887_c0_seq31; 248 596 1246 LEN=2121; translated
MIGIFIWPSLSDR LGRRKILSLSLLGSGLG LMAQALVIDRGGSLIQFLLARSLTGLTAGS
SPVGKAYLADIGAKDGKLPYLSLKDASSTLAFIIGPAAGLLFDV LGASEKISKAEVLD
SSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKAHGDIGATKIIENDQ
DEDLISCP LGRNLWAGVASVCAVSFFFNVGDSTFHA
>comp12887_c0_seq32; 314 783 2000 LEN=2191; translated
MVTHSHSPLENTGMMIGIFIWPSLSDR LGRRKILSLSLLGSGLG LMAQALVIDRGGSLIQ
FLLARSLTGLTAGSSPVGKAYLADIGAKDGKLPYLSLKDASSTLAFIIGPAAGLLFDV

LGASEKISKAEVLDSSRSLAFVIAISGVASILASLIAALLVQESIGPKRVTGGSPDDKKA
HGDIGATKIIENDQDEDLISCP LGRNLWAGVASVCAVFFFNVGDSTFHAFSTFLRNQG
IPTADIGFLFTSLACVSFLVSSSLTSKILRSLGPVLTACAGGLTLVGSSLLFMGLAASGAS
LIQPSFTILGAIAAIYFCGVSLYGPTIPTMLLRVPPNKRGFIMGLDGFINTLARIMTPI
VSGEYRRYNAGTAAFAAGSAVVCGAFIALFRRFSTLRDRKETQL
>comp12888_c0_seq1; 441 212 1558 LEN=2019; translated
MSQKRRNQVRVQGGEISDRCLLVNRNLPRGIPQDDFIAWFTNTFEFPEEDDKANKDHQITR
VVYCNHTKSQSPTSAGSYMVEFASSRRDQITIDVRRQEKHHESPSSETEVQITEKAPKK
WVFGIKIQIERFRSEKVLKFLQAPTAVDEAPEDSKENNSAPEQENGIPQPPPSSTLSSR
CILVRNSSLISNNDTGIAVISQIVEGCLGEKIHRSAEYTLGKRHSKVLELNLEESVDRIL
EACHSDDPNTTSEENSSKKSGRVLEIPVQIHPVKSENYAKECLGYVAEPSGTTNGRDKSA
TKDTKIDSDTRKDSKESNGTNGTPRRSKNSSKNAPREGRKNDETSKELQILKQQNISLW
ELVEQSKERTFLQEEKINMLSLQVSGLDKEIAKLRATNAELESRVYADQSEKESEENAPKE
AQKEDEDESPSVTVQSEKEEENTAEFIGS
>comp12889_c0_seq1; 324 189 1002 LEN=1311; translated
MNKFLVFLSLAGLGLSQAFAPSPSIVVNSMEQSRNRIIVANMAPLDFNVADAVDTASTFW
TAAADNYIPGTSGEVTYSKASYVILGLYLFSFPGLWSTIKRSTKAKLKKDYVSDGANAP
DGKGLREQAGEIMAYMKANNYEVDAGETITFQGVVQRSISQACFLVFCFVGLASLALV
LQIQFNNLVLVPVIGEPNWYYLCLLSPYAGVYYWRSQDRVDEFQIKLESNDEDTENSISVL
GSEEEIERMWRAMEWQEKGMVKVPSLLNGE
>comp12890_c0_seq1; 121 514 873 LEN=1073; translated
MASNPPNKSPKPGDPGAGESGEKPTTATRESPGGNGSSINGRAARQVRRSFASRDCFFV
DRHHEMLVLYGPAYKEFVLPAPSLQEARSPRGSSADTKNAHRPTRRGFAPSEIVLRKK
>comp12891_c0_seq1; 760 47 964 LEN=1190; translated
MKFSLIALAAVVASAEAVARPSLSISVTDGNFDGVDGLDPTLSWSGASSAGDMDLEYGIE
AAARPPTDIASLPKKVFGTLKTNLGGWGVTAGATKDMGSGDTEIEVSAANDDADLSVKVL
ASADGGVDSISATKNMDLDGASLTITPTYSLASEDADVVTYDNGDTNVELTASADSQEV
VVNHDMGDTKVKLTASKDAQEVVLDHTMDNTNIVLTASADNQEVTISQQLDDDNIISPTI
NRNGDISVAWERSLGDNDLSLTATLTPDESIDVEWKDDNWTANINAGLSGTDIGDVSISAK
RDVTF
>comp12892_c0_seq1; 333 132 752 LEN=1027; translated
MTSALNRAAATVGRRAMRPRGFPTAVGSSVSSGSPVAPLSSVAGRALPRGRWFSAGTVE
TDAANAGADPLSSPKLQGLYDRVVTLPVEEVNVLGAMVLQLLGRITFPGEFGTPGGAAAP
VDGAAGAAPEEAVEEKTQFDVRLGFDASKIKVIKEIRAIAGLGLKEAKDLVEAAPKVI
QKDLKREAADELKEKMEALGAQIEIV
>comp12893_c0_seq1; 224 326 1261 LEN=1446; translated
MVDDDRIRSQKESSLSDTSGFATSKSLHSASREELSDSINTALLYSDTDISKGCTHTIP
WDANILIGLQKCPITMEPVGMVCDGLVASVEKENRDKNNNGVHRIVRFKFGKKIYQLTTI
GEKTEQQKTQQDPLTTGWFEYFSGTKSATTKDNCITTTMLAQKRIAQALNLASLKILHKG
KVVYPPPQCSEPMQETSISLELLRISDEHWFGSRNNNRKKVALVVMGTSKDGHLKESKN
SQGYKKKSIPQLLQOSIWFVPVRFWSLQMSWHLVTSFFAPFLPSYLLGGEGDGRNSIGN
GNTEHSRPHQD
>comp12894_c0_seq1; 632 195 1829 LEN=2849; translated
MYNDEMNVGTGRDLREVGVVEIDAGDNITVEVDVTRCGDMIENIDGPNTSNLPGDAFGEEDW
IRQLQGNQLQEGNLIGQGS DNGLIHPQKPQYHLAYDQNI SLTGALSGSGNSNRNGPQPEP
LQNTGKLSIQEPQPI SQFQVFDGLPQLQHGDADNIGVLDNLFQQQQQQQCFPLGNNTIQR
ESSSETNQAQEQQIRCLQQQQEQQLQQQT PAPI LQQSLIELQKLQEQQQHLQEQQQILK
NISNAGLIDANAFANPLGTLGTLIGQNGNGGGSSNSHNTGNAAILGACTWGQIPGLQV
QINNNTSPNPIATIPNLDPQIQALPVGFGEKFDPIQDSRQKQFHEQVPLAESQHAPDKSH
ISIEDKSHVIGTNENNAHISAVMNPSPAIRKTDKKREP NPF PKQLWEAMMTDGYSNHDAY
EWLPDGGKSFVVVDSTKFCTEILDRHFKQSKYGSFVRKLRWGFIRLTSGTGTDFHHPMF
QRNNRDLVTKIKCNTRNGKNGKEKGHNPYARGDIMHSAQPSLMGVEKFTRTKVVPDSAE
DIMA
>comp12894_c0_seq2; 632 195 1829 LEN=2742; translated
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IRQLQGNQLQEGNLIGQGS DNGLIHPQKPQYHLAYDQNI SLTGALSGSGNSNRNGPQPEP
LQNTGKLSIQEPQPI SQFQVFDGLPQLQHGDADNIGVLDNLFQQQQQQQCFPLGNNTIQR
ESSSETNQAQEQQIRCLQQQQEQQLQQQT PAPI LQQSLIELQKLQEQQQHLQEQQQILK
NISNAGLIDANAFANPLGTLGTLIGQNGNGGGSSNSHNTGNAAILGACTWGQIPGLQV
QINNNTSPNPIATIPNLDPQIQALPVGFGEKFDPIQDSRQKQFHEQVPLAESQHAPDKSH

ISIEDKSHVIGTNENNAHISAVMNPSPAIRKTDKKREPFPFKQLWEAMMTDGYSNHDAY
EWLDPDGKSFVVVDSTKFCTEILDRHFKQSKYGSFVRKLRWGFIRLTSGTGTDCFHHPMF
QRNNRDLVTKIKCNTRNGKNGKEKGHNYPYARGDIMHSAQPSLMGVEKFTRTKVVPDSAE
DIMA

>comp12895_c0_seq1; 452 1 1881 LEN=2179; translated
IDNTNRSFSHLPEGEQVVRNHPFIPFGSPSLCVMAFYTSGDVNAIVADLGSYASKIGYA
GEDHPRSFRSNVGLREESSDERSARRRPIQKVNYDALNRPADPASDTDGDWEVANPV
NLTTGLWYEPGTSSTASGSSSYNANDPKDGGRGFQNDNADWSDLIPTFLRHGYSTALS
IESSGSDSDITSQNPLLMIERSYNPPAIRQQLLEILMEECRVPATFFGRDATMACYACG
RTTSTVIDIGYSGTTVSPVYEGYVEQRGVRRTPIGTEAMDELCLKQLHKLKMKELQIRKKI
RKKDHRPLTPFWQVRHPEAERKDSFKRLSLLQIAKDCRESGAGQAINTLASAALQVPSMS
YCLPDGSVVDVPSTARFSVSELAVGSKAALDEKEDLTNLRDEHLERIRREFEELLEIASA
DDDDANENNNNGNRKGTDRDDGNDQKRQAAYTEATAVGLSNSRRGTRKRGRKATTTDEADK
QQAQNQTKVRFDRILQRACAPYLEATFEQLTASPVANMVDAAYRCDREQQAGVLGNVI
LAGGGACIGPTDQSVPLSKEQIETIIHAHTPGWRVKMLSPGMQERAIASWLGGGILGSL
GTFHEMWISKAHEYDEWGCIVNRKCP

>comp12896_c0_seq1; 237 122 1849 LEN=2010; translated
MEGKGQTKANRTVDGSPARRPTLLGNDCLKAI IYSAVVLHALKSAAKSWNDPPSDSESDD
GNSYFRYSLPINLLVAAYGYALVQELRFLLCVLPYLPPLPGSLGIPFLGNILEVIFKHNGV
IFLHLIEQKTLRKSRSKSAADVFFTTVLNQLRLVTLADSAGISWVWNQDRKSTTEVAWPP
NISALLGPNSAANASGGHHRALRRLMEPFYAPLVVQNYASVITTTTGDGELSRWHSMTSSD
RNSFVSGEVFKLYALRFLAASFGEVDEAVVKS LHDDTKIYIQGFVVVTGTLRIPGMAFD
DAMKARERMQDTCRILLAKFIEEHPKGSHLAETTVMGKMVYSKTS DGVGLTTDEILDNLI
LLIFAGHDTTYASINTVLYYLTHDPFAMEALKEEVSAFAEPLEYDKLKNEAPILNAIMHE
AWRMSPPISAGFRKFIANHRPGSKKPSTLEFCGYRFSSTGTVFNYNINLATQDDNLYPSAD
SFRFQRF LPKGHPLYDPDWKSDVDP AQGRADYPIFGGGTHVCLGKNFAKMELRILLARIF
MHYTIETRNPTKIHAPVNGWALEFRLEKERKERGRKS

>comp12897_c0_seq1; 279 118 705 LEN=1047; translated
MSSRPGRNRRSVAMAFELRQFSNTTKNRLMMLRLDNSVLSRRRAVAQGSEGGNKPPAPRG
IVLNTAVGGLTFAGGVMGYVTKGSKASLVAGSMFGGLLMVSAILVAKASERKSARGNILG
SSVSAMLGVMGKFFVSKKFM PAGLLTILSAAGFLYNLIEAKVLVSWKGDDETTSTPSD
EDHSKDSTDATSTTE

>comp12899_c0_seq1; 419 179 1645 LEN=1845; translated
MTIAEHLKQLCIDIFHNQPKTLAYFRLSNPSILKDLQDFAADSNANGQPKPLNEVLN
LFKLLNQHMAEQEHFFLAASKDSVSPSLPFTSVPTAISVVFGGKYSKEPASISEKLVSKL
VPRSKLVFTVSRSTCPEGGLPTNIKHF SKTNLDACHGESSLDPSVSNDDGGGSFSTIGVD
EFYDVMSMARDEWLQTPPPTTLVFYFTLGQHKGINPFARNLQAAENFHRALQKLSFSYSG
VDGVLPSSETDSKSSVPRSCRTRWRVLTGTDTLPSVHPPSEMTLRMDNNTMQLLTVPT
YKISNNNFVYAMSKLGQYYRIANSVARLVLKQTLGAHCSERDRSKYEEIVCETKEIHGKI
LKHVNVAGEDGAYHGDDTAPIDYGRISIEELDIISTDMSLRLEELKEHFLIAKQISICY
TPLHANPWTEDAIQNSTLDINSNPLEQLSPSLAVTSLQRAFILEQVVKRLKNAISIDSA
SSHLVQY

>comp12899_c0_seq2; 407 179 1666 LEN=1866; translated
MTIAEHLKQLCIDIFHNQPKTLAYFRLSNPSILKDLQDFAADSNANGQPKPLNEVLN
LFKLLNQHMAEQEHACPTWGDFFLAASKDSVSPSLPFTSVPTAISVVFGGKYSKEPASIS
EKLVS KLVPKLVFTVSRSTCPEGGLPTNIKHF SKTNLDACHGESSLDPSVSNDDGGGS
FSTIGVDEFYDVMSMARDEWLQTPPPTTLVFYFTLGQHKGINPFARNLQAAENFHRALQK
LSFSYSGVDGVLPSSETDSKSSVPRSCRTRWRVLTGTDTLPSVHPPSEMTLRMDNNTM
QLLTVPTYKISNNNFVYAMSKLGQYYRIANSVARLVLKQTLGAHCSERDRSKYEEIVCET
KEIHGKILKHVNVAGEDGAYHGDDTAPIDYGRISIEELDIISTDMSLRLEELKEHFLIA
KQISICYTPLHANPWTEDAIQNSTLDINSNPLEQLSPSLAVTSLQRAFILEQVVKRLKNA
ISIDSAASSHLVQY

>comp12901_c1_seq1; 379 1 1041 LEN=1063; translated
CHQKNRIGFGAQGSTTTFATITTTTTTTTFFETLHRENYPRSNKTMGSRRSEFDAESNSKAAL
SDRECSNLP TSEFDGA EVDQF DDEYGERTRRRRKRKTYLTVPTRSPAEGDHQNASETT
VDGDGDVDGAAGFIDHGAVRELAGDVRELRRLAIVLVLFVLVAGLIALDDYFNRYIDA
TVADGTDTKPEAETDPEARGNPENNTSNTSADGAYHGPPYPRMGHKLRLINASAFTANDF
ECLRLDTGNWPSERVHCELLPGSGDERYEFVVEHFDEGCQTPNAQNPVVRHTASGCFY
DAYNHSYNDLCHPNRTFTVSAFFGRGCLDMPVTVAVNLLPEGEGAP

>comp12901_c1_seq2; 350 1 1029 LEN=1051; translated

CHQKNRIGFGAQQSTTFATITTTTFETHHRENYPRSNKTMGSRSEFDAESNSKAALSDRE
CSPNLTSEFDGAEVDQFDDDEYGERRRRRRKRKTYLTVPTRSPAEGDHGQNASSETTVDGD
GDVDGAAFGIDHGAVRELADVRELRRGLAIVLVFLVAVGLIALDDYFNTRYIDATVAD
GTDTKPEAETDPEARGNPNENNTSNTSADGAYHGPPYPRMGHKLRLINASAFTANDFECLR
LDTGNWPSERVHCELLPGSGDERYEFVVEHFDDDEGCQTPNAQNPVVRHTASGCFYYDAYN
HSYNDLCHPNRTFTVSFAFFGRGCLDMPVTVAVNLLPEGEGAP

>comp12902_c0_seq1; 372 602 1669 LEN=2259; translated
MSKSPSLRRIQADIRELALDPSDQYFAAPLEHDMFEWHFTIRGAEGTDFEGGIYHGRILL
PAEYPYKPPHIMFLTPSGRFETNTKICLSFSAFHPELWQPAWGIRLILEALISFLPTPGD
GAIGALDYSPEERRRLAKLSQWSCPTCGPIAKLLPELDPEKKKSKSAFSKEIAELQRLQ
QTSEGRKKGTAAEAKKADDDNASGSTRKNDKTLSELAEATDDGEKAAASATTDSDIKN
DPTTVEDEKEPIQQQSSNSNEGPASDLANESTAVEEEEEAVNPVPADTLSQLYDPLMNVSI
LLMICICILLQKGLDLSRELAQLREMPLEVEQGFAGGAAASSVASVASVASEEL

>comp12902_c0_seq2; 372 845 1813 LEN=2403; translated
MFEWHFTIRGAEGTDFEGGIYHGRILLPAEYPYKPPHIMFLTPSGRFETNTKICLSFSAF
HPELWQPAWGIRLILEALISFLPTPGDGAIGALDYSPEERRRLAKLSQWSCPTCGPIAK
LLPELDPEKKKSKSAFSKEIAELQRLQQTSEGRKKGTAAEAKKADDDNASGSTRKNDKTL
SELAEATDDGEKAAASATTDSDIKNDPTTVEDEKEPIQQQSSNSNEGPASDLANESTA
VEEEEEAVNPVPADTLSQLYDPLMNVSIILLMICICILLQKGLDLSRELAQLREMPLEVEQ
FAAGGAAASSVASVASVASEEL

>comp12903_c0_seq1; 305 127 1044 LEN=1312; translated
MSGTVTEPERGSDLVSIKTKCFVHDFSTSSADGSSPKALIVLYHGFLAHGNYPTVRYAAE
FFAEAGYAVVAIDFPGHGKSEGLRGYLSADDLIEDGIAMAQHAQSLYSNFENLPLVLCG
SSMGGAIALSVAHRMSQLQDGVTKPASAVPLVILLAPMLKLNVSLLERTALAFLAYVAPT
VHLIPSSATDSSKQYRDEKKRQECESDPLAPPKLCVASALTCVDTTLKIAEAFESIA
NPYLLLIADDEVVVKNEGSEVFHQKSTSQDKTKKNYPALHGLLCEPSPLFDTIKSDILDW
LDKRV

>comp12904_c0_seq1; 547 128 2206 LEN=2295; translated
MSISIVLIPSDASKSLQTSISWDEKCNVNSGPFASKLHHRILSLLHNGERDEEIANSEL
SEIDDRIEVPLLRPLGDSPLYAYFTSSGTPNLRQELATPNIRATRLAMACGLMKLRFY
NVVIARSNPSGRPRWSDVTIEDIWGPCEVSPDLRPKIQIELAVGLIDESSRKYRITKEDI
GAAPEWIKNAAEQNYHDAAVVARMAEVMNTEENKDDDDNDSKSDSVYGHNFDMVMKKN
EERSSIEFSVAAKSPLCLHCRRPNTNHLCEGCGGAYFCPPPLNCREVGVSHSCQCRTWKTY
VAHREELSAFDYLDPEWQAPLTTREFQLSEEPYRKFLTSRLMIKQTMNSINDSDNETEND
DSSSSFSWWSTETDVGWAGGDSISARQVDITLSSFEFGFAPIPWNQLPPPQRCVSEDYE
RAGLLERENSKNTVGLWRLTSWEDYRRLNIPPEPVALCTFPLTIYHAITEFGDVPVT
VARMLQRPLRIHVVGTEKELNFDLDFQELGFLPEELKVELIFIAREDMLPTKCRITNSR
SDKDDDRFLLRVEMTSNLTVGVGTYGGERKNDSCSSTINKSKSATILDPNFDGCGSP
PDMVIAMNAGLYAYESWRSVVDVFLSHNKGVGVFTDYNEYSVHCAGLGGAESRESL
CINPFRQPLAMPVYSMNLPQFSNGFFVFNQAQELD

>comp12904_c0_seq2; 463 128 1809 LEN=2427; translated
MSISIVLIPSDASKSLQTSISWDEKCNVNSGPFASKLHHRILSLLHNGERDEEIANSEL
SEIDDRIEVPLLRPLGDSPLYAYFTSSGTPNLRQELATPNIRATRLAMACGLMKLRFY
NVVIARSNPSGRPRWSDVTIEDIWGPCEVSPDLRPKIQIELAVGLIDESSRKYRITKEDI
GAAPEWIKNAAEQNYHDAAVVARMAEVMNTEENKDDDDNDSKSDSVYGHNFDMVMKKN
EERSSIEFSVAAKSPLCLHCRRPNTNHLCEGCGGAYFCPPPLNCREVGVSHSCQCRTWKTY
VAHREELSAFDYLDPEWQAPLTTREFQLSEEPYRKFLTSRLMIKQTMNSINDSDNETEND
DSSSSFSWWSTETDVGWAGGDSISARQVDITLSSFEFGFAPIPWNQLPPPQRCVSEDYE
RAGLLERENSKNTVGLWRLTSWEDYRRLNIPPEPVALCTFPLTIYHAITEFGDVPVT
VARMLQRPLRIHVVGTEKELNFDLDFQELGFLPEELKVRNKLXDEQNHEKDSVTINFYA
LMGTDGFFLVWCASIVYCTE

>comp12905_c0_seq1; 386 653 1150 LEN=1401; translated
MIDIAKEILAAAEKNGVKLLLPVDAVATTSFSPGMSRDDTKTFDLVPGSGIDDDFMGLD
VGPKTRALYKEGLSEATKIIIFNGPMGVFEIEPFDDGTKALVDALEENTKNGAITVVG
GDSVAALAEKFGKTDVSYVSTGGATLELLAGDVLPGVAAIADFTSE

>comp12905_c0_seq2; 368 178 1044 LEN=1295; translated
DEESNVESFAEGLASIAADAYINDAFGTAHRAHASVAGVPALLPKEKCGIGCLVASEVAYL
DFSQADGKVAIIIGSKVSTKLPVIKGLINQVQILVLGGGLAYTFSKAKGINIGTSLC
EDDMIDIAKEILAAAEKNGVKLLLPVDAVATTSFSPGMSRDDTKTFDLVPGSGIDDDFM
GLDVGPKTRALYKEGLSEATKIIIFNGPMGVFEIEPFDDGTKALVDALEENTKNGAITVVG

VFFFEFDTPFHQNSEQEPCIHVFGGVEMYAKNTTYSVFLVPENDPIARIDVWSDNLVTGLQ
FTMASGAVSQVYGSISPTKSSKSSFEPKDDSLWQLVGIHGSCGTVVDSLGLFTFGRVSEVV
NKDDEIGRRGFNSERVAKDDEENCQ
>comp12913_c0_seq1; 247 104 685 LEN=1685; minus strand; translated
MNSKDKKTAWDWHAVFADQGLLYWTKYVKNVSVIVGKDIEQWSSTGDGGDIVHIENIV
SGDPLKPHSCFRKGNLSPPYRDFHHFTGRTPWEQDLRVNVSKGEYTRYDGIKISDSQA
EMINLWRIGLLKAQQHTPHYNF'FLFHPETDIEPPMGRYSTYNEMLHHIESKKDSNWTHYN
ERSQTLNHNHNEE
>comp12915_c0_seq1; 561 82 1539 LEN=1656; translated
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SLTCQWLPTSCKLNKGNDSKGGDACELSLLLGTHTDGGEQNYLMVANTVVATYDPVVAG
VDDDDNAVPPQVAYDEEKGEVGGFGNTVGFDDNGSGTNAGFTIGKVDYKMKVRFPGEINR
ARAMPQNHFIVAARGPDPNIYIIDRSKHPQRPVEGGNFSPQITCTGHTAEGYALAWSTLK
EGHLVSGGDDNVVCLWDVNVKGIASNSSSITATATATFKGHTATVEDVDWHAKDPNLFASVSD
DRSIRLWDIREKNNQHIVENAHTADVNGVAFNPKLEYTLATASSDHTVGIWDMRNLKNKV
HTCQGGHTDEVYVVEWAPFDESVLGSAGARRVAVWDL'SRTGREQSPEDAEDGPPPELLFV
HGGHTAKVSDFSWNAQHPVWVASVSEDNVLQVWQMAEELYVDDDEEEETEEDRKNDKTLG
DDDLLE
>comp12916_c0_seq1; 267 142 1260 LEN=1329; translated
MRVYVAGTFLFQSFPTLFCSGFLLPSETQVGGRRKPSVSGGGT'TVTNGPQGSIAFARQR
KLSVSSQSEDTGEGSPQRRRYLSEEQVHDLLSGSLSIGKQPSYPAWRSKQKRKQLSEMGE
WATSDESNRPIICEYEYEPDALWLWTRWRGTVLSMTYIPIAFNIGIGILVNWYVHSHTQETW
TFFQVPPQEEPVVQELAGLKT'LWEYQLTLCTFILAFFTSQAYTYWRQVYFTTTRAIQGRIN
DICLIVTTNAEREAGRASDGSEVTGYSERASDLVATCTRLIRVSHTFFWAAMSTNSNGVS
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QYTYMLMQWVAM
>comp12916_c0_seq2; 153 142 1005 LEN=1073; translated
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>comp12916_c0_seq3; 392 142 1755 LEN=2291; translated
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QYTYMLMQWVAIYATEGFRDGVLVGGDGAERELMRRITDLRAEYFSIGDLCAGRMP'IAVY
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>comp12916_c0_seq4; 372 142 1886 LEN=2422; translated
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KLSVSSQSEDTGEGSPQRRRYLSEEQVHDLLSGSLSIGKQPSYPAWRSKQKRKQLSEMGE
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DKGWGNRTYRVKTS'GEGGDGKNAIGPVLLSSSGLRYLERADELTHAEAQALLDSDLPPS
QYTYMLMQWVAIYATEGFRDGVLVGGDGAERELMRRITDLRAEYFSIGDLCAGRMP'IAVY
QLIQILVDILVWLAPFSLYSGLGCLSIPLCAVLTHFFKGLLELSKSFLDPFGNDGYPNQ
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>comp12917_c2_seq1; 610 1880 3502 LEN=4569; translated
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APGTNAHGQQDVMDRFFSFAEAAFCSPRHS'DLASLAKEPVPEPDVLDYVFEHVESFTCAD
DDEHDYKHERQGGSPSKASAKKHLEYEDY'YGADASHHKLHHQQNLEAFSLQRDNSLIVETG

PAGTPQKLGPHASAAEASPSPHCAMGHEGDLDDYCFETVESYTCADHGDGQTSEALRKSR
KQQALEARAEAAIAAQLKARQDYRGRRIRQSASGDWLRKQQQQQHRPPQRDHPREERDL
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W

>comp12917_c2_seq2; 6 739 1185 LEN=1185; minus strand; translated
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>comp12917_c2_seq3; 426 198 1208 LEN=2275; translated
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>comp12917_c2_seq4; 97 532 801 LEN=801; minus strand; translated
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>comp12917_c2_seq5; 610 1649 3271 LEN=4338; translated
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QARLREAVASTATTMDALLDSIDGVL DGIQLRVRRELRAVMELEAERAAAEDXAGNHVT
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KQQALEARAEAAIAAQLKARQDYRGRRIRQSASGDWLRKQQQQQHRPPQRDHPREERDL
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>comp12918_c0_seq1; 534 367 1398 LEN=1820; translated
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KEKEGKGAPEKKPELKESYSGSLVFKAGR NAKSNLYYVDYTKMKEMDGDVRQELASKTAI
AEGEYKDLTF AFKQAATR SKQLLSEPTNDELVCLLIEAEKAVVALTDSVNDAKALLVNEG
HKNKLRRIQSMAGHYRKRKQLCCSFLCALEEVSDGAI SKKCLSGDGQIPLDSDESI IK
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>comp12918_c0_seq3; 550 367 1524 LEN=1946; translated
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YSGSLVFKAGR NAKSNLYYVDYTKMKEMDGDVRQELASKTAIAEGEYKDLTF AFKQAATR
SKQLLSEPTNDELVCLLIEAEKAVVALTDSVNDAKALLVNEGHKNKLRRIQSMAGHYR
RKQLCCSFLCALEEVSDGAI SKKCLSGDGQIPLDSDESI IKS IAIAYAKSKKHQKTRKAT
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>comp12918_c0_seq4; 624 424 1566 LEN=1988; translated
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VFKAGR NAKSNLYYVDYTKMKEMDGDVRQELASKTAIAEGEYKDLTF AFKQAATR SKQLL
SEPTNDELVCLLIEAEKAVVALTDSVNDAKALLVNEGHKNKLRRIQSMAGHYRKRKQLC
CSFLCALEEVSDGAI SKKCLSGDGQIPLDSDESI IKS IAIAYAKSKKHQKTRKATLADDK
FIGVILDSQGMVKRSYVDEK

>comp12918_c0_seq5; 954 424 2517 LEN=2939; translated
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GTPPSNDYGRSNNDEDQDEETSEVWDI IRVIPTAE EKIVCRYENCTNQAVATWASNLAPD
DKWSLCEKQLED FGGWPEGVDPIERKSDLSNFEMEDTTKNGKSIVATIDGNFYSEDHKE
SPSQGESIDDTSIPIISTPSAAVCMSTQDEPEEMNSGEEAFELSRIVSLQKLLGNPIKCH
DQDCNLPACSVYTSKADPKK WYCVDCQERDFGGWPPPKELPVDYLEPKYLQIIATKCSK
KRNPAMP SFNSHCVTPLPISP HPPKGIASASEKVN GKEKPTKFSAAALARHAKWQADAKK
LGVNRIVVKKEEAKKV VFDALYDAFRPMNINGIYMVSTVQFNGSLPKAKQAVFLSFLILA

CLILPVASFPICASLLQTLKKMVPSVPLNAALEDMSMTFDGGNVFDGSDDEDNDKEKEGK
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DLTFQAFKQAATRQKLLSEPTNDELVCLLIEAEKAVVALTDSVNDKALLVNEGHKNKLR
RRIQSMAGHYRKRKQLCCSFLCALEEVSDGAIKSKKCLSGDGQIPLDSESIKSAIAYA
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>comp12918_c0_seq6; 640 424 1692 LEN=2114; translated
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VSTVQFNGSLPKAKQAVFLSFLILACLILPVASFPICASLLQTLKKMVPSVPLNAALEDM
SMTFDGGNVFDGSDDEDNDKEKEGKGAPEKKPELKESSYSGSLVFKAGRNAKSNLYYVDY
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AVVALTDSVNDKALLVNEGHKNKLRRIQSMAGHYRKRKQLCCSFLCALEEVSDGAIKSK
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EK

>comp12918_c0_seq7; 938 424 2391 LEN=2813; translated
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DKWSLCEKQLEDFFGGWPEGVDPIERKSDLSNFEMEDTTKNGKSIVATIDGNFYSEDHKE
SPSQGESIDDTSIPIIISTPSAAVCMSTQDEPEEMNSGEEAFELSRIVSLQKLLGNPIKCH
DQDCNLPACSVYTSKADPKKWWYCVDCQERDFGGWPPKELPVDYLEPKYLQIIATKCSK
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LGVNRIVVKKEEAKKVFDALYDAFRPMNINGIYMTLKKMVPSVPLNAALEDMSMTFDGG
NVFDGSDDEDNDKEKEGKGAPEKKPELKESSYSGSLVFKAGRNAKSNLYYVDYTKMKEMD
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VNDKALLVNEGHKNKLRRIQSMAGHYRKRKQLCCSFLCALEEVSDGAIKSKKCLSGDG
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>comp12919_c0_seq1; 1054 46 2790 LEN=2823; translated
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DSSDDDDGGQDDYSDSIGNKNPMGDLGMIKKSTTNRVEDNIEKEEESNSDSSDSYDD
SGSDEDDDEEMVDDDETSIAEDPVNVVETSLDNCVDFFKCRFGRSPLNQVEMTKLEPRT
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VRNYLLEGQGARWRQLILSSKYWDPNLLSTFKRFGKSLSGQVKVRRKIRDGDASISSVLV
PIKQVFQKIPTGNFAQQSKARVDYFVKNLPLQLERNDQKHTLVFIPSYFDFCSLRNAFLK
LEKKHIFVSVTEYSRGTIEGRGRARFLQGRKPIMLYTGRAHYFHRHAIKIRNIVFLGLP
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>comp12920_c0_seq1; 762 70 1701 LEN=1848; translated
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DAAIKQPAVIENEGSSRMEIEETVDPKAENKNDKIDSSTSDSEGDSSDLESTEEITIKNS
SVSITSDASGDRSDQSSVEEENDDTGNVEDASDSSDSDNDEPIQHRQGRRRRGRQ
DTAKKIEEMEALEKSRAAVSADSKLEDSKEGKIFDKEKKRYCIGRKPVTDFVIGQSYSGK
VVYVVPFGVFFDIGCHSDAFCHVSRLSDDYIEKPEKFKEGDEIPSVRIVEIDRKQKRIT
VSLQSEIRMKDERKSIEDRQLRREKMKKAKKVVAAARQPQLSSKINSFGQNP SRSQGN
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DTK

>comp12921_c0_seq1; 646 1 1974 LEN=2586; translated
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KIRAGLTPPKFKFTKGNFETRTAINGQVVVKTHTPIIPEDKAGFLPHFEAEVWMDASKIKD
ASQVEAFAFDKAWEHVSGEEGLMMLFGAGNQAILTFVDIMEGLFKRNYVGYVKQHP IRN
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KEREENLKANTPKIKVATSELGAVSPWVVVPGNYTTAEMKSQVAVKANFIHNSNASCNCMA
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GITERKLSAGGVNKEALLLPYIKIETEVLDKSDVGKEAAKNEYIFNNEPFPVYAIITLK
DTSQTSLMEFAKTASTFCNDYLFGTLSGSITTPPSLLEDDSVQTLIAEMKYGCVAVNNAN
GLGYVIRHAGMWGAFPPGETLDAVKSGIGKVGNVFAIPYFEKMOVVSPIIHPGNLVLEDDF
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>comp12922_c0_seq1; 508 148 2084 LEN=2647; translated
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FTFP IGTMEYKKEKELVSI EKTSQNNNRIDVYDVL RPV FQNYEQYKRSLDDG SYESRYKE
IFQPDRILFVNGVLQSRSSAEVPYHEALVHPAMMAHKSPSRVLLNCGGGAALREVLKHK
GVEKVTLEEEPEIVRVSKKFFPGYHDCSGIQGIPSNCWDDPRVELIYDDVYDWAEAQYE
DDTDEEFDXDHPRHVSTNRTELRTCAAARCVCVCAVGILDRPRDAHSPAPSFLFCSYV
EEFSEDEGDGDLAELLSDLLAPDGI LAAQVGDVPTLETAALGNPDMQGRFDFIEDLESNG
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>comp12922_c0_seq2; 529 148 2127 LEN=2328; translated
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DIRNVAADFLASEERLANAMLDVVGDCGLTLLSYHCHGLTPSGVSCVGVLLSHVVSFHTW
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DDTDEEFDVILDDIYYVEEFSEDEGDGDLAELLSDLLAPDGI LAAQVGDVPTLETAALG
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>comp12922_c0_seq3; 578 148 1959 LEN=2522; translated
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DIRNVAADFLASEERLANAMLDVVGDCGLTLLSYHCHGLTPSGVSCVGVLLSHVVSFHTW
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DDTDEEFDVILDDIYYVEEFSEDEGDGDLAELLSDLLAPDGI LAAQVGDVPTLETAALG
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LAF
>comp12922_c0_seq4; 459 148 2252 LEN=2453; translated
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GVEKVTLEEEPEIVRVSKKFFPGYHDCSGIQGIPSNCWDDPRVELIYDDVYDWAEAQYE
DDTDEEFDXDHPRHVSTNRTELRTCAAARCVCVCAVGILDRPRDAHSPAPSFLFCSYV
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>comp12923_c0_seq1; 7 1 628 LEN=628; translated
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>comp12923_c0_seq2; 199 1 1287 LEN=1677; translated
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ITLSEWISPSNIVDPTYKVPETRNHLNLSAYNFDGESLKNAYVYRPGPWDGAGIVIEQ
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THPEWTRAVFVRDPKERTLSAFLDKAARKNGKYVQRHCCNTKNATCGEEANSSFLGFLRI
IEDTCCCDPHWRPQTKRIDKAFMPF INFVGNFHLRQEDTKKLLQRLQSSNRDKFFVDGNS
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LNLTRFSIA

>comp12924_c0_seq1; 826 9 3497 LEN=5852; translated
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PGTYWYHGHSGLAKVGTRGIAGMLTVKPKESSYNPHEDLYNAERELFLQDWSHEAPGDSY
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VGERFDAVLLPRELEDTYDYSKDNNGFWIRATTLETDEGVQIPNENQILGILRYEGSPDV
VPQTHSYPAEEVVLNCFDSYSRPSLDKNSKCLPITALRTHSSISRHYDALIQHEPDETH
EVAFEHPRSGKYFSHFTRIRQNVYDTEVPSRDSHF DGAYTQFVLP SRPEYVEDEDIGDYV
NHEHTLYLEINNGSRVQLIWNHQQRVANPIHIHGKVFVAATHEADVLESCSISDCQDEN
DWFAPWINKKVVNDTIRDFGVVVDTVVLPAGGYVVTRLIADNPGDWLAHCHIDFHFSDGL
GLI IREKTLHNETVPMRPPGFPLCSGSDYEAFDLGAMSARQPACRCLVDPPELVTRSPTE
EWRCSKDHLRHEAVKKENSPKTSKSANEQKNGDKIRGVRHARTFKKLGFEITLSAVIGA
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GYNTEERVFREKIAFIWMSAFWSISSVYSSIVTYSDAWTTDGYCMVHIKSTKSLNEMT
GVGEVGESQAGVDIIDKPLPRGASARTLEVMSLGAAPLFRNDSMIVDGDGKENHKDDRL
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>comp12924_c0_seq2; 257 1013 2083 LEN=2924; minus strand; translated
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TVTLL EIFQKFRVPKVIDYLSLDVEGAEEFIMSGFPLKEYQIRILTIERPKENLRTYLES
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>comp12925_c0_seq1; 538 45 1520 LEN=1637; translated
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LSSII LIVLLALSMDLNNVDWLSDEPRISKPIGITSKIT TGNISERFEIPVRKQSQKEI
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IYEAGLTGEDKGVSTSSSEKTNA DFKSDRVIIEDISKPPQQDCPEANDTHGNFNLRERFLR
LTYALRSNQIKCQFEVLKSMKWVSVVKYTTVRIISVSKDFARRLNHTIQDLKSTVDRFQ
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>comp12926_c0_seq1; 904 483 2603 LEN=2976; translated
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>comp12926_c0_seq2; 904 330 2450 LEN=2823; translated
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>comp12927_c0_seq1; 765 1 2198 LEN=2306; translated
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>comp12928_c0_seq1; 661 54 2113 LEN=2950; translated
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DTVREFGAGSCLEAPDYTFEFESMMPIFPQRDL SHXFLNRFRI SGYLYIQNTVFSGQLPT
KFPEGLVELDIANSMITGGLDGAFAEGLDSLRFLLMDGIQVNGTIPAEIARLPNLEYFFA
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>comp12928_c0_seq2; 667 54 1964 LEN=2801; translated
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ETPTPTQSPSESKALTPPEPTAVVPSPTPDLTGTSVGDSSIPIDGESDQQQNEQSTNIDV
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STNSKSNDFIRQSRAFDGEEIPGWTSNSGWLETNSDPCVGDGWWGITCFDDKVINLDFD
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RNPNLEYFFATDSMITGDL SYMESMSVIFEHWVDRNPGLGTTIP SFLGDLTTLQSF SIAE
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DNFQQGMLQV LGADCDRINCPCTCCSIDECRKPTV

>comp12929_c0_seq1; 1166 163 4758 LEN=4899; translated
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IVSMGKLVDTYLVERCIRSVRRRGLFTGTILVFTDAIGYEHYRKSVPWPDSRTLILGRD
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NDNDIGDETKDWKSNNAKSKIPAGGISAVDVLVCTPGRLVDHLDNTPGF TLQHLRWLVID
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GPEKDNQSSSDVGVHSNICQRIQLRKLLYSATLTKDPQKLSALRLINPKYFNAHDLKRRQ
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TDRSVSVLVCSDGMSRGM DLASCRAVIHYDVPMAKTYVHRCGRTARAGQDGTAIALLKG
KGQAGQFARLRLIALPERVTRASVKTSLVRDAIPLYKHCVSRLRDVLAADRNELKPTD
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>comp12929_c0_seq2; 721 1470 3881 LEN=4022; translated
MFSVGRFDPKEDARNSTGSRKKKSRTKDDQAESKDRKKRKRKKTSPGAERDGTEGSSS
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QKNLAGKITAEAFDDLDTDDAWLATTKEQRNDNHKNDGGDSASPPGFDPGDEIERALEM
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PTGSKTLAFVLPVLNALAARRVRLRALVILPSRDLAQVYEVFDAYSKGSKNDLRIGL
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TKDWKSNNAKSKIPAGGISAVDVLVCTPGRLVDHLDNTPGF TLQHLRWLVIDEADRLLSQ
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SSDVGHSNICQRIQLRKLLYSATLTKDPQKLSALRLINPKYFNAHDLKRRQNAMLVHKD
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VVFASSLESTHRLTRLLQLLWQAADYGTSPVEFSSALNQHQRSKLMRRCNDPTDRSVSVL
VCSDGMSRGM DLASCRAVIHYDVPMAKTYVHRCGRTARAGQDGTAIALLKGKGQAGQFA
RLRLIALPERVTRASVKTSLVRDAIPLYKHCVSRLRDVLAADRNELKPTDPDLTRWLP
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>comp12929_c0_seq3; 1079 163 4629 LEN=4629; translated
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IVSMGKLVDTYLVERCIRSVRRRGLFTGTILVFTDAIGYEHYRKSVPWPDSRTLILGRD
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FALPHEYMAFASKRVMTGAMEARQNKRTKPLTLPFTFVHITNFRVRRVNNAMLHDEFVRYV
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YFHRYQYLVLVLLVVIDQIHEELEISVAVGASWQQYEPTVLVNLFILLLVLVLEEIDEGLV
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LSRKLMEHSSLTAPKSFGEHYTEYRPSLPSITVALFFATQHNSIKNNPVKHSSSLHTPSR
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VRDVCCAAPTGSKTLAFVLPVLNALAARRVRLRALVILPSRDLAQVYEVFDAYSKGS
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GPEKDNQSSSDVGVHSNICQRIQLRKLLYSATLTKDPQKLSALRLINPKYFNAHDLKRRQ
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>comp12929_c0_seq4; 664 1470 3752 LEN=3752; translated
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PTGSGKTLAFVLPVLNALAARRVRLRALVILPSRDLAQQVYEVFDAYSKGSKNDLRIGL
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TKDWKSNNAKSKI PAGGISAVDVLVCTPGRLVDHLDNTPGFTLQHLRWLVIDEADRLLSQ
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VVFASSLESTHRLRLLQLLWQAADYGTSPVEFSSALNQHQRSKLMRRCNDPTDRSVSVL
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>comp12930_c0_seq1; 217 1 1099 LEN=1419; translated
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AGAALGLVVGNTGNSVASQAAQRVSNVALASRKFLYDRVLSFGKRYGARAVASEELSEW
IVSQNLAI EYPEIAAWLAAQETMREGMTVSMMLAAEASEAAAATVAAATAVAVAKDREDAS
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DTKSV

>comp12931_c0_seq1; 359 126 920 LEN=1016; translated
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VRLKGENTRMSYVDEL DGRVEDLLDVEDALEMIAASENQSV EEEKDAYLNRQIAAKIE
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>comp12932_c0_seq1; 515 1 1305 LEN=1519; translated
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GGNGPDKPVVAFRRARVSDYGGKTLGGDPFPEPDCPETEEVRSWSSQGSRAAPVRSLS
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KEEPCRNRCINQTTDGSYHCDRCNGTYPNCRKWI FSGTVGDSTSNWVSVFDEQAQQM
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>comp12932_c0_seq2; 515 1 1305 LEN=1499; translated
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SAGGGAGRMDSFADRKT IADIKGQQLGEHSEKGDFLCFKAHFTFLKKDKEGGAWYTACPN
KEEPCRNRCINQTTDGSYHCDRCNGTYPNCRKWI FSGTVGDSTSNWVSVFDEQAQQM
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>comp12933_c0_seq1; 839 150 2486 LEN=2524; translated
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ERCFADTPCDILNDDFDSDESEKNSFVLT PGGGMP SVVSLWSNGALMFHSLTNTKKEEDS
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SYYMDGNPESHRESTMTVAIDAFKGTVLWESHSDIALEQEEKPLPLPLATRGQTSFARRRS
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GGLQIRSLKNGKALCHLALLEENLYSDLNNDGVLDQVQVALHTKTLKPDDKFVWKLGRLL
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HLALLTRLQSNLVAPP IRPLLLLAGENSLSVL SVKTGSILATAPFPQTSEAKPILADLSGD
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>comp12934_c0_seq1; 250 158 979 LEN=995; translated
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>comp12935_c0_seq1; 294 294 1235 LEN=1421; minus strand; translated
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>comp12936_c0_seq1; 656 845 3929 LEN=4418; translated
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FETKFAYDRGSSWR TSLH SKVLRRWGKKVEEDARWISKLINNTSPRIRSELKEQTKAASS
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GKKGARS GFFVIGHESVLDIGAHIGVFSXVYAQVGCKKI IAYEPELENAKLLEHNLKPI S
CDESESKWNEGGHIIRNFAVAHGEPEGQC NFVNARNRSDGTLNSWRHSLEKYSSYVDRKGA
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>comp12936_c0_seq2; 388 1 2591 LEN=3080; translated
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VVSSPGRYGLLWKKERRSFHNFCDPPLGSGSMASPSNENVWRTIDRCRLHSFVIDEMNSN
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SSARFHF LLDLILPSSLFETKFAYDRGSSWR TSLH SKVLRRWGKKVEEDARWISKLINNTS
PRIRSELKEQTKAASSQLVETEDSQHKSIDEVIPRAIAPEPYRKVLSLLHNICDNEKWPR
TPDAKSRFIRSPYRILYGENQKHNTCSNRRSRPISSEFQGFQIGSFTVVNPKIFGGKS
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YELSEKAWSSMVGNKNGKKGARS GFFVIGHESVLDIGAHIGVFSXVYAQVGCKKI IAYEP
ELENAKLLEHNLKPI SCDESESKWNEGGHIIRNFAVAHGEPEGQC NFVNARNRSDGTLNSW
RHSLEKYSSYVDRKGANLVSRQQNAVLDRSRVQTIPFFGDAGALEPGITFVKMDCGAEI
DILLAAEASRSADWLDVTHLVFEWSFTKERRVAKFHKAVANLTVAGFEVVYQGGQGSWWD
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>comp12937_c0_seq1; 257 489 1397 LEN=1487; translated
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ES
>comp12938_c0_seq1; 849 1 2071 LEN=2161; translated
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>comp12939_c0_seq1; 484 1 1868 LEN=1952; translated
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SIPYCSAECYRSHTSGETGTAHSCTERFFREKVASLMKLESLEKGETHRALNRYHHDCH
YQTNPLEEEPVKHSPGGRQHAGDEDLYDLHRLHSELEALENDGEELSRRELARILPPALR
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RTLDERLLRVPGFAGFGRKDNHKSNNVDLFFNLLDILCATCRTL RMYHGVENASQQAPVE
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PNTAGWYVCMEDTASLVTSPRLVGRAILEACDVLKAAAKELKTNRVSTKVPNNSTSTNAT
PSASKEANESYDNETKLYQIRRLRKKLQFYLSWALHRPSAANSYLGVHAKKEEIVAWINER
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>comp12940_c0_seq1; 335 198 946 LEN=1439; translated
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TGLEERVVIGSKNIQDNQRGSLESGNSNSNFSDDTQTS GDSWVQDGGVEPTVPAAXFND
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QYPVFSFIHR

>comp12941_c0_seq1; 1007 1 2484 LEN=2638; translated
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AVETIRSLTATEESDKYLMGTYGILNTLALVARGGPFVPSQTGNTPSIPLASEKARLHAC
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ILWSFAAEMKNQVPVVRGDILPVLVRVAEEDGTTEARFKCVAALTL LAESLDNAIPLLE
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TLAVRALQSLTAHLIPIAGSSALPFGQSMEDRLLTALIALEESTHEELKEDTRQLAIDAK
VRIQGSQKAGRAGHLRNGSVDIDMADVASLASNCCGLDSIPGFGDKFLHALTLPSEESK
ATPDLAPSSSMVEDAAEPAALAPPQPVRTFLLADV RTGRRFAVPTDPSSGGRAFNDPRRWC
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>comp12942_c0_seq1; 908 466 4107 LEN=4201; translated
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SGECEEHGFRDDDEESTIISRIMSTSPASTT DSETKGENNPLLGGFMKHVANVFNTPTGL
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PLLPTAQRQSIYGAGQDIATPEYYRTIQTATTSASVNSNKIPKPEAMERMHSSENSYSAID
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DRRLVRSMVAFLFILGLETWMWYFISP EMAMYEPSNPPLFSSFFKPLVLFYVSAKARDSL
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LWMP IYAKAASNSIFFVVFIIITCVFYYHSLVLSVVFQTYIQAITDIHERTASDRNDAIRL
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SFFVSAICFIVYIMINVIIAFFVET FVTKTNEPADES NPAEETTANLNNSFRIQNSENTN
VRRIRSCDKFYFSDEDAEDEALLDQNASVISATSSSTNSEVFAAFDIYEREGFDQIMRTVA

GSSDDEQEAFARSVCNYLERFESLTFGREKVGVMVCCQQSMNRFGNRRFQTSARSFLTEE
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>comp12943_c0_seq1; 783 334 3264 LEN=4080; translated
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EATKQILTHVLGSNLANHLLYMECSSDNDKVP TENDCGNGSGNTKENADRYKFRYAAEI
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LEDHGQAF LAQSVATPAAKKANVRNPYAKTPSSQKRKRSSPNKESSEEAVIDDKEE IET
MSHCENDIAEKKRKR DENFDSPPHENARGKIDGKRNPRSGSSEKKIAPSKLVRTNL
AARAGAI EPFLVSTQ GASQLS QSSTQDNNDENDNPSSSQRPLSQPEQSSMVHIPPCPLA
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ARFNGGAKLARLGGGGICVQTVVAQALQHEDELTLASSTKATSKTSVNNGASCSDMLQVN
DSNQNLAEHIAARLVESAMLEEFYSIRIELQPSIGGNDMKSDDNKD GKSDPCDYDHRHE
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>comp12943_c0_seq2; 806 334 3360 LEN=3995; translated
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CQRQMATRAKAKANKQLVVDCNTGQIPAVRALLQSRASAAKLAQAQKTNKDNSGQKAKVV
EATKQILTHVLGSNLANHLLYMECSSDNDKVP TENDCGNGSGNTKENADRYKFRYAAEI
YFTTPTYNVSGGGGSARKGNSSKQONTKTTQGKFVLF LNHR LV DLPPLKRALEDIYADLG
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LEDHGQAF LAQSVATPAAKKANVRNPYAKTPSSQKRKRSSPNKESSEEAVIDDKEE IET
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AARAGAI EPFLVSTQ GASQLS QSSTQDNNDENDNPSSSQRPLSQPEQSSMVHIPPCPLA
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ARFNGGAKLARLGGGGICVQTVVAQALQHEDELTLASSTKATSKTSVNNGASCSDMLQVN
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NAGNAILTGLPVLLDGHSPQPHALP I FLLRLATQVDWTREKHCFHGVCKEIGNFYAMLPS
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>comp12944_c0_seq1; 589 707 2506 LEN=2687; translated
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NKPDSL VQQSEEDVDTLVRFY NKDLAANGGDKRTAEGDFQREQTAPPGRPSGRLSWGDRV
QIVSAQNGWAKMARGYGYVRAGHQQLVKVGGSVDRSCKLEAMLRLMSTRRKKLREEQKKI
DNQFIAFMNELQVSLMSDEDLTVIAADTFHKNLENNDP SGGGSTNSQTVRTRNQDVTPLD
ATRSANAPEPARSNNAGVVVPEAIRPTNTYEDSTPLKPRFNERPMTPPGSSRGSFFCSS
SDVLNAFAPLSSSETQTPALPNVAPTPAIAREFNMSVQERNQLQQNAYPQTPRHDHRGQ
HYVEDTPTRILTSASHPSALRAGARAWREMHGRQASNGIDFRTGMSGHSALFSSSAHT
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>comp12944_c0_seq2; 367 707 1702 LEN=1702; translated
MASPFSFHCMI CYEEFDIEKRFPVVLPCGHTYICNVCAHRLDRCMECRTSLYELVLPQSQE
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TENVNGQEHEPSLQDSPMIKPSVMDLEYDEEEKIKTGTSLAISDCGYAVSAKDGLEIFP
NKPDSL VQQSEEDVDTLVRFY NKDLAANGGDKRTAEGDFQREQTAPPGRPSGRLSWGDRV
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>comp12945_c0_seq1; 172 300 708 LEN=1173; minus strand; translated
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DPSKRGIDYRLKESK

>comp12946_c0_seq1; 1130 638 3439 LEN=5499; minus strand; translated
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LHEESEKDETIYFEQRDHYDNRCGDDEDFRTAAMPSSKSKESPTTKNFWADKELHLPNCK
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FSMDEDGI EYDKVDDFRTTIMPTPRISSFAREEKEKSSSAKESSESNKEIYVPQQQQQLQH
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LNANEGATNSRSSRKEYSNKNDKTSSAIYPIPSHLNNTGYHLDLDDGDDEKENLIDDFDD
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CGESNKGKNSNTPLSNEQRLENSTDGRTSSPTGTVPQSLSCSRDLFRKRSNLYQVKSSE
KCYSNSSANRVAKQNRRRRQRRVLRKRIRTVGSTIVLILLCTWTTLLGHWQWNPQEHFG
TVLQNTASRIHQGVVVLNDVKHTREKAVALLATTTKVTRSYIRDVLPPLADDTKVLVAQ
TIGNGVSFADQAFACIPLARRAKTSALESIRDTTSLFATQAPSIARWVKTRTMNGLRIT
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>comp12947_c0_seq1; 311 616 1979 LEN=2041; translated
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VLHPRFQKMOVDRDLDFIMIVANALHSLPFDPMKMLNLPRAVEEFVSVLDRDQADLTTEAEN
LRIFRTNFFKDSKEREDQSTISFPQPIDGWTAPDVIVEDYVNDVAVPITDFLLDSSQEGMR
KRMELAGPLLRAFLKMFVFNDFIHGDLHPGNVLVKTTQETASSSIWNNFWELLQTEGDEE
SQKNITETKRSIVFLDAGIAISLTPNDQRNLIDLFRVAVFNNGERAGRLMVERAKYERCS
QIPGGTDMFAQGIGEIVSEFHRRKEGLTLGAVRIGTLLRRVLDLRCRVHGVEIDPAMASV
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>comp12948_c0_seq1; 1171 264 3164 LEN=3207; translated
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AAVMTVVLKPVGPSGTHGGSASDVRRPSIVPRASDLVVGVPALAKTFATVDSQGGTAQN
SGVDEEDGNSSSQSPSSAGDYRIMYYDNGSSETVGTTPVCSLLTQCQSRQGGGFSLRHDL
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RVVDFQTYHAISKDLLQRWAYPTVLDQMTLVGSEEGVTESNRRYKLCCKVADYHYKAAGGS
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DEDDDG FENLNYVGGAAVASSDEPAIGRQKGVVVKEMTEICMEFDDECHPIENLSIELN
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DEDDSE

>comp12949_c0_seq1; 688 263 2092 LEN=2239; translated
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RIVYANPQRAEADLMRALELFATKVPLEPDSSAPAATTTTAEELWLTLDGIEEVYKIAI
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VNTEDENKDDKNIRVYRIPHGVQGVFKDVLLCGESFVPPQLQTEAGEGQEHKLYPSRVVG
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>comp12950_c1_seq1; 813 272 2884 LEN=3311; translated
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LLPSRHTYTNKENLSITMQKCNWDGVIVKSSPVDEEDQTCNSALEVKHESDDEDTQRE
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LLEKIADEFERRQNQGLCSIETPGNCYFGSASYISEAALEALCCLPQTHSAVDKLRVCV
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>comp12952_c0_seq3; 256 34 459 LEN=506; translated
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ELDALQSAIDETRVIGTIDCR
>comp12953_c0_seq1; 496 140 1622 LEN=1622; translated
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DGTERSTVSI PMRRLTVPIFYVLVVAIPAVYLIWVCFVIWRQQLLPKGQIGWTKQATTTA
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>comp12953_c0_seq2; 490 140 1661 LEN=1661; translated
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>comp12955_c0_seq1; 191 1 929 LEN=1014; translated
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TWRAIDAMIKAGPEGRGTGVSSILLAAPEFDEDFDLWAGPVFAMLEAGVVAAGAESEVGVV
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SSQINKMSMKAKLADKLEQEHAEHATELAALQEDIELPLKISAGGEIDGFVVQLKDVGF
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>comp12957_c0_seq1; 378 376 1368 LEN=1658; translated
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>comp12958_c0_seq1; 774 203 2170 LEN=2604; translated
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>comp12959_c0_seq1; 224 133 981 LEN=1678; translated
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>comp12960_c0_seq1; 428 87 1463 LEN=1702; translated
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>comp12961_c1_seq1; 463 128 1141 LEN=1244; translated
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RDDHWPVTSLVCLENSHNMCGVALPKEYFDRIGRLAHGPKMGNVGVHVDGARIFNASVA
LGT SVGDLCEHVDSVSVCLSKGLGAPLGSVLVGGESFIELAKRARKRCGGGMQVGVVAA
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>comp12961_c1_seq2; 621 128 1366 LEN=1489; translated
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LGT SVGDLCEHVDSVSVCLSKGLGAPLGSVLVGGESFIELAKRARKRCGGGMQVGVVAA
MGMF AVEHNVERLAEDHARARKIGLALKEYGCMFRDGDIDTNIIVYFGLPETANLSRNEF
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>comp12962_c0_seq1; 540 215 2947 LEN=3035; translated
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LANDSSVDVLTAGYSSTLTQPYVEIAHNESDKLV LAPGAASKVFLDKPLAFGMLPPTQK
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YLMGVTPWDASLQIEDAVTGWTPSEFASLYRTVLGEEETADVAYQSAMAGALISVLYQAV
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VGRCESQKGWWCFAALVGMNVICLFFALILCWMTKDIPSDFAESNYIFLSVMFMFQILVL
AVPVSAMVRDNNVFFFIRGAAVFFQNFVSLALIFMPKMRRIYIGEDTTSTVKRAMRSSM
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>comp12962_c0_seq2; 361 215 1978 LEN=3149; translated
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LEPIAATLQAENPDVVIITCVYDCAPWVRAMRKVWSPKAQVFTVCVQEKFSNEIGTDTA
YLMGVTPWDASLQIEDAVTGWTPSEFASLYRTVLGEEETADVAYQSAMAGALISVLYQAV
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ASGPILYPMPSWDHRDCTILSTCEQQADNITDYLPMGNCNDEGICVCGDSINFKSVGSG
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>comp12963_c0_seq1; 409 194 1185 LEN=1199; translated
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TTTVSTTEATGSTPGGEEPPKRKRKRKRKQKAGEATDDETSRRRDEEESRRQKLVLQ
SSVAGIavgXGGGGGVRAAGGRLRERREAVTASADASAKTADGARCDECAFRRTCLPR
PHAWFALRKAATNATLPCAAQERAARILMESLVLVIRKQIRIRCGVEATICVGYGEPVG
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>comp12963_c0_seq2; 412 444 1483 LEN=1497; translated
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VPREDGGGDDDDTTITTTVSTTEATGSTPGGEEPPKRKRKRKRKQKAGEATDDETSR
RRDEEESRRQKLVLQSSVAGIavgXGGGGGVRAAGGRLRERREAVTASADASAKTADG
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>comp12964_c0_seq1; 361 339 1046 LEN=1621; translated
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YFTQESDSLNDP LLERDIRRYLYLRKGEKDRKWL LGDMMFDPYKNSLDQDRINRFET
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>comp12964_c0_seq2; 338 339 1154 LEN=1808; translated
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YFTQESDSLNDP LLERDIRRYLYLRKGEKDRKWL LGDMMFDPYKNSLDQDRINRFET
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>comp12965_c0_seq2; 234 1 720 LEN=1621; translated
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DGKCLFGGIGPKKLM DALRTSCKEFDSYSKFKTKQV SITDIEEREVEVERETA AEPEAAGA
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>comp12966_c0_seq1; 243 199 1019 LEN=1019; translated
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VDVGGDITVDFPRVMARLRQKRAAIAPADGHPGTEAAGARV FQGRGRLTGPN TVEVNGQT
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>comp12966_c0_seq2; 553 199 1890 LEN=1995; translated
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LKFKTCVLATGGRPWIPGPIGLKEAPFTTNEQLFNLEELPPKMVILGAGGVRNIHAARV
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KAGDPEAAEIIQTELEKDGVTFLSNSKIDSVETVSEGKEGLPLMKVVVGEQELECECLLI
AAGR VANVEDCGLEAGGVFEVVGKGVIVDDYARSVSNPNVFAVGDCAGVPRLTHVAGEM
AKLAVQNSMANDDWKLSSLVIPA VAYTEPELATVGISSEEQARKEGIDCEVYRAGLEHND
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>comp12967_c0_seq1; 848 145 2178 LEN=2266; translated
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DDTNNNVFDQQRNNNKPIITPGMLTAPPPPPGVEPNENGERVVTVYSTTDQNDLTGVAAAQ
PGSATANDPMTGPVVEPENTPWFENNQNNPNGNQKSEASSEEELEAAKEEVIELVQSLLA
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RRVARETATMLLDRLVQDGI EGLDNTLSAMTRVGDDTTREAGELNDSLLDYLNDAIRQQE
RKVEQILD TVKKVEELERSVEEFDGDQLENLWTVGDEDEGKRIETFDPKDPKSKIALQDEY
EKDHKERSLKLKAMLPKSPQERLLLLLKLRLRERVKIEAAFSQDEKARNLRVLAYCLNLN
SDELRKELIVKEFGSSLDRLDSFSELVSSSIEYGESTAHQVQPNKVVTLNIPLLERILVV
TKKVIDEQSWKAAAGRS

>comp12968_c0_seq1; 289 167 1006 LEN=1243; translated
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VRTTSTPTESRLYSSDSENDTSSSGGIRFLGRGPDAIVRPGVVLLAPAE EFHHYLRESAL
FIYSMGIDDNDEYVIRGVIIDNPTPFAIGEMMEVDENSGENSGGIFDNL IYRGGEGAGQE
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>comp12969_c0_seq1; 566 1 1762 LEN=1814; translated
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VLVRALLASLPPGSTIPVHHDSGEWVKQTHR VHVPILVEDPSRVVFRGCPSTELLERISC
EPGHVFEINNQAKHAVSNCDRVHRVHLILDYVVQD TTAGNGANANASANANASVKQQQKS
TLEPIQLDPGEKLVQTRRSVDRVKNMTPRPTPSFIVLGAQKAGTTSLYHYINEHPWV FKA
RRRETHCLDWRWDGALKTKAGQRKHCQKFFFTTEEMKLRPSCMTGDSTPSYLLDSRRV IPR
LKR VF EWSHTAPDKSNRNSKMRFFVM MRDPVQRAASHHAMVTS PDGTPAQLKTRGTEWRG
KTLWEVVKLELAKMDGCGLIPYWNIEEGTLDKESFARFAGSPGEAEAWNRYLQQHVPLYT
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DESAKNSRSYDATDPGVRDYLR RFFEPHNKILASVLGETSTEEWRDPW

>comp12970_c0_seq1; 1458 343 4905 LEN=4958; translated
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THARIVPAKGRHVLVPLEYHPTLGMTFEYHRRRYVYDPDTSEWSKIRC GTTFGKEFLETW
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FFTLMVLTFEATVVF SRIKSLSALRGMGNQPRPVLVYRLNNWVSVETTELLPGDIMSLT
RVKPHFATANDGKKKKIVSKKVEDEGGDLIPADLLLLRGSTVVNEASLTGESVPMKEGL
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KFELLLHCIMIVTSVIPPELPMQMALAVNNSLMTMLKHLHIFCTEPYRVP IAGKLDACLFD
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LKE SKGSLY WENYETGEKVDDFDASLI PNL SKSNHLATTGKCLALALESDDTTRSVLGYF
KVF SRMTPDAKETVIECLH SVGSTCLMCGDGANDVGALKGADVGVALLTGFGDINVDKTD
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PFTSKMPSIKSCVDIVRQGRCTLVSSIQMYQIMALQCLISSYSLSVLYLDGVKYGDTQMT
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NLPPDYDADLDGAFKPGILNTVVFLVSNVQVTVFVNLQGRPFMTGLTENRPLLWSLVC
TFILTFMFASESIPSLNKYFQLVFPPEESFRDFVLKLLMFDVAGSFLFDRLMKFIFAPQI
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>comp12971_c0_seq1; 476 17 1129 LEN=1340; translated
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KTMWREELASSAATPGRAERDAEAMIEQQRSDNDREYRRQHQPKTPKNLRMSPMQTSFRY
KKNHYGDISRSDSCDSTSTTGSNIFQPLKRRRRWFFAENGGKPPQSERPVTPPSPQTKPFP
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>comp12972_c0_seq1; 485 173 976 LEN=1294; translated
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KPNVVQNVCADIASVSDAVIISIAAGITLATLEGYLPGRRIVRVMPNTPCLVGEAASGY
AMGTHCNSNDEEIVEKLLNAVGVAKKIKEILLNAVTVGSGSPAYVYQFIEALADGGVRS
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>comp12973_c0_seq1; 501 1 1261 LEN=2061; translated
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KLSENCDLLLYIHCEEPIARAPDHPVMPRGVTVSIGLDKTTKLRAVFQRYVDYCNKFVEG
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RDADREYFRQMRHLLPESCPARIADVILDCQGLVDKNGRNQRLSTTVRAHSSFIGKRC
PWLMAIILQARQKAKREALERENAQKSETPDHSQMRAAEIENDEEAENGDCITKCAAND
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>comp12973_c0_seq2; 266 1 445 LEN=582; translated
XVQRYPWSIPIIIIVDDRSFAFLSLVSKMEANNDGNGNAAAAEDNIADDNNNNNDN
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>comp12974_c0_seq1; 471 1 1325 LEN=1420; translated
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VRSMDEAALASASASAGASASETASSGAASASEPPQAAPPATESIAGTFAGSASTAQN
PANATEEPPVATTDDDDAEGGSPSASAVAVELPGNANATQAPAEAPPVDTLELSAACV
AGDDL VVFFEACSPPLGDWVAIYASADDSQNL DGDALGWYTCGDRFCGTAVERENLSF
ARAVERAGPGVYRAHLIRGSEGPLYQAFASSGEFTVVGPAGAAPPGRKEERQAGATEGRA
KAPHRTGRVHRSSIQCSTIL
>comp12974_c0_seq2; 461 1 1307 LEN=1402; translated
XFATAEAGATATAFPHDEPKQTESPSKDTACHPTFDCCPKPFAEGADPNDSVASSNKYI
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VLSYSDSYGRTKSRKPGASSGNSLVGYLRSSRRFRWAMAVCCLLHVVLIGLVIAFVR
SMDEAALASASASAGASASETASSGAASASEPPQAAPPATESIAGTFAGSASTAQN
PANATEEPPVATTDDDDAEGGSPSASAVAVELPGNANATQAPAEAPPVDTLELSAAC
VAGDDL VVFFEACSPPLGDWVAIYASADDSQNL DGDALGWYTCGDRFCGTAVEREN
LSFARAVERAGPGVYRAHLIRGSEGPLYQAFASSGEFTVVGPAGAAPPGRKEERQAG
ATEGRAKAPHRTGRVHRSSIQCSTIL
>comp12975_c0_seq1; 543 172 1497 LEN=2223; translated
MGSTSIEHEEFCSEGTPEGEKGNLAVPKSPFITTSDIINRLNSQLSELSTFANETDLAS
SQQQQPRFELQKRLPDGSAIPATQDETDAANFKTKLDQSAKFVSQLESPADRQYWAEQQR
LIGNGFFQQGDYKAAMDIYLTCLVVKENTSGFLRDTLLPVLNNLAQCTLQLGMYAKTIL
FCEMAL EEVSKAKQQGWVEGIDAKEKQNEQEVPAGEKSTARRDLEDAIVLCKIYFKRGK
ALRLKGYHKEAREAINCSLDCLAGKDGKPSASSFSATDGDAGNVDSISLTPYRKAIKK
EFRFLDIAEKEGKRNRDREKRAMQTVLSLSPTTSLELDPSTSQGKSRKSAPPLYQKSS
EPRQFSRLRARKSPSTFKQDDPNVLVGDSPMAYYSRYWSMVARVAKALLVMLGDGDD
ANGMETSNSATKQANTRKKG
>comp12976_c0_seq1; 534 1 1251 LEN=1251; minus strand; translated

XFVRSFVLTFLVSVPEPGLKLAVEEHFSTALFLGGVSKFLSGMAGIYEPLGNNLLRVSRMI
SPQQLPFKTSIDDDFRSLNEAIFSMGSGFRDSAQCYRSELVVS LQRILATVGNEREKTFK
WYKEAKQGSVDARTIALSNYSKGTNAVETAETEIKLWFSNLRQKQINRTNEETE EGEVGI
EIQETDMPWEKSLKTIGTTENEVDSTCLLINKLRLVQSCEQAYIASVKKENECVQSSQEK
EGLALNKIQKGEEDQINFFVNDILAKIFPENSGDGSKSTS QASLKMSDKDKQFGIQEKGN
NLLSTLNLFKTQSTPYEEGMGIMDAETLGLSQDLGVLRLDKMKSASSFSKHWD RRKAASDA
KASGSFVASQSGSIWETILKIFEDEAKLVSEVAFKITKLEKWFSSCKRALEIENDADX
>comp12976_c0_seq2; 579 1 1159 LEN=1273; minus strand; translated
XFVRSFVLTFLVSVPEPGLKLAVEEHFSTALFLGGVSKFLSGMAGIYEPLGNNLLRVSRMI
SPQQLPFKTSIDDDFRSLNEAIFSMGSGFRDSAQCYRSELVVS LQRILATVGNEREKTFK
WYKEAKQGSVDARTIALSNYSKGTNAVETAETEIKLWFSNLRQKQINRTNEETE EGEVGI
EIQETDMPWEKSLKTIGTTENEVDSTCLLINKLRLVQSCEQAYIASVKKENECVQSSQEK
EGLALNKIQKGEEDQINFFVNDILAKIFPENSGDGSKSTS QASLKMSDKDKQFGIQEKGN
NLLSTLNLFKTQSTPYEEGMGIMDAETLGLSQDLGVLRLDKMKSRYFDNQTHHLPFPNIGI
DEKLLMLKLRDPSLLLSLDLFGKQY
>comp12976_c0_seq3; 470 1 1177 LEN=1447; minus strand; translated
XFVRSFVLTFLVSVPEPGLKLAVEEHFSTALFLGGVSKFLSGMAGIYEPLGNNLLRVSRMI
SPQQLPFKTSIDDDFRSLNEAIFSMGSGFRDSAQCYRSELVVS LQRILATVGNEREKTFK
WYKEAKQGSVDARTIALSNYSKGTNAVETAETEIKLWFSNLRQKQINRTNEETE EGEVGI
EIQETDMPWEKSLKTIGTTENEVDSTCLLINKLRLVQSCEQAYIASVKKENECVQSSQEK
EGLALNKIQKGEEDQINFFVNDILAKIFPENSGDGSKSTS QASLKMSDKDKQFGIQEKGN
NLLSTLNLFKTQSTPYEEGMGIMDAETLGLSQDLGVLRLDKMKSRYFDNQTHHLPFPNIGI
LFEEITNVTAKASFRMRSHITNQRYPVPIFRTL
>comp12977_c0_seq1; 312 188 610 LEN=655; translated
MMARGDAADTFGPGDHASTYGGNPLACAAGLAVAKYICDHDVLTNVQERGEQLSKGLEAM
AEKYPTILGDVRGWGLLKGVEICIAEDITAGELVAAAMEEGLLLVPAGANVVRVFPPLIIT
EEELATALDRLEAAVKAKAN
>comp12977_c0_seq2; 789 127 1521 LEN=1566; translated
MKTTSVACLAATAAALVPSATSFVVSSASASASSTSLGVASSAQQLSPPKSI AEVSETS
EDTYDANVQKTYGRYKLTIDSGEGCFLKTTDCKTYLDCVSGIATCALGHNNKELTTAIEE
QMKRVHHVSNLYFIPEQAALAEWLCANSGADKAFFCNSGAESNEAAIKLARRHASNRGID
KPVIVSAHQSFHGRTLAALSATQQPKYHKGFYDGMVQGF EACTYNDIASLEEAVAKAT
SDGRGLAAIMLEPLQEGGIIPGDPAFFARARELCDEAGALLMIDEVQAGMGRTGTLWGH
ENLGVVPDVFTSAKALGGGVPIGAMMARGDAADTFGPGDHASTYGGNPLACAAGLAVAKY
ICDHDVLTNVQERGEQLSKGLEAMAKEYPTILGDVRGWGLLKGVEICIAEDITAGELVAAA
MEEGLLLVPAGANVVRVFPPLIITEELATALDRLEAAVKAKAN
>comp12977_c1_seq1; 360 1263 2450 LEN=2564; translated
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RVYPRGCSESSKGEYVSCFLDFPYNREGGPTVKFYLR CRKVTTRSRLQEFGE EWNWGW
DWVERENILKDCLEPDGSLVVEADIRMCVDSKVWYPKELQREETLVALYRNTPSETADVT
FTVGKTNYEAHSFILSMKARALFELSKEYKNDVPVPIPEIRPKIFRSVLEFMYTVRTPNI
EDEEIALEILVAANRFECTQLKLYAESVIVDKFLAGSNAAEMLMFADSHSCALLKEAAIN
VYMSDTRKVRRSQGWTKVKE SKRLLSELLEHTPLLNIEVGL EYWSDDVDQMDVACL RDHL
QDANQEIDGSREMLVERLKEITCVPGYHPENRQEI
>comp12977_c1_seq2; 360 1392 2579 LEN=2693; translated
MSDRKRKAVDIVSVGTPPKIVGESQTI R FVIYDFEKHPEKRDEWISSPILCAHGHSWKI
RVYPRGCSESSKGEYVSCFLDFPYNREGGPTVKFYLR CRKVTTRSRLQEFGE EWNWGW
DWVERENILKDCLEPDGSLVVEADIRMCVDSKVWYPKELQREETLVALYRNTPSETADVT
FTVGKTNYEAHSFILSMKARALFELSKEYKNDVPVPIPEIRPKIFRSVLEFMYTVRTPNI
EDEEIALEILVAANRFECTQLKLYAESVIVDKFLAGSNAAEMLMFADSHSCALLKEAAIN
VYMSDTRKVRRSQGWTKVKE SKRLLSELLEHTPLLNIEVGL EYWSDDVDQMDVACL RDHL
QDANQEIDGSREMLVERLKEITCVPGYHPENRQEI
>comp12978_c0_seq1; 570 52 1341 LEN=1494; translated
MSSYVDATSGSLEYCRGMAARFPDLAEAYNKIESFCQQLWHQLTVLILEFCSEDEKPK
TLRPVPGGADTFRGLYTEVVSVAKKINQLSLARIASAVAFSGMETGSSSLEESRAVLED
LLDKLNGSGSATNTAPVLYLQSRIGLLVLQAGTESEGSAGDGEARKETLDQIYTVIKANG
PLLKQLVSDTPEAIVVNSAHYETSMTYYKIVGPPEAFYNEAVDYLNYYQPKEGAAAATDT
KSQALAVDLCLAALTGEGVYNLGQVVSNPILGVLETPQAWLVDLLRACARGSVRDFQRL
CTETYPAQIASQPALVNMGQQMREKITLLGLVELVFAKPATERNLFAEIASGLDVPLDQ
VEWVMRAFVSGLMEGSMDQVEGVSVHVTWILPRALDGDQMTDLAGKFATWAAKVTSTKEI

MEETDICPQ

>comp12979_c0_seq1; 129 1 369 LEN=872; translated
SSSSNSILALGGSSARKPNSRGAATLGGEPOHDAHPSVGTGDHCSNPLWMHQLGYGCDS
DCESDHGLQDEWNNHGPDLSLGTACAYDKFRYMGGDYFATQDTAITAAEEMALILSLRLG
AE

>comp12980_c0_seq1; 488 54 1508 LEN=2607; translated
MAQELERRFIWHQFRRCILLVLFATWGWCDFADAKTVSGKFRLSGLDTEYVVLGSAFVSP
RKMGTLLKVEFKAKEPEYVSNEKVFVRVFRDDKWDEYKKAPSCTQKVPLSLRNEQVTLKKNM
GHYVGEVAMELNNHKDERAHYYYFVITDCSLEFYMHDEMVPKMSYTVTTWNDGSHVSADE
IHLENLHTIASLVSGLLALTLCCVIGIQLYEKSTVHAAVFLVMAAAASDSFSSMFELIHL
SLYAHNGIGSYAMDALSAHLEAVCDLSVALLLLSVAAGWTLPSDVVAVKQONATAIQKLLD
GFQSPFEALSALSPTAFLAIAIFLCHVVLAQWGRMYNDDFDSYHDLEHLPGKFLMLNRII
LGFCMMACCLSTRMRCTPSLRSFYQLTIIGTLWFLSLPLLTWVFNALIPYHKRHRVVGW
WAAVFQTSGITLLSWLVTSHSTSYHKLSHLSSTSDNLTDALSRRSSGKGEARTWMFGKNK
VRLD

>comp12980_c0_seq2; 488 54 1508 LEN=2714; translated
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RKMGTLLKVEFKAKEPEYVSNEKVFVRVFRDDKWDEYKKAPSCTQKVPLSLRNEQVTLKKNM
GHYVGEVAMELNNHKDERAHYYYFVITDCSLEFYMHDEMVPKMSYTVTTWNDGSHVSADE
IHLENLHTIASLVSGLLALTLCCVIGIQLYEKSTVHAAVFLVMAAAASDSFSSMFELIHL
SLYAHNGIGSYAMDALSAHLEAVCDLSVALLLLSVAAGWTLPSDVVAVKQONATAIQKLLD
GFQSPFEALSALSPTAFLAIAIFLCHVVLAQWGRMYNDDFDSYHDLEHLPGKFLMLNRII
LGFCMMACCLSTRMRCTPSLRSFYQLTIIGTLWFLSLPLLTWVFNALIPYHKRHRVVGW
WAAVFQTSGITLLSWLVTSHSTSYHKLSHLSSTSDNLTDALSRRSSGKGEARTWMFGKNK
VRLD

>comp12980_c0_seq3; 449 54 1596 LEN=2695; translated
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RKMGTLLKVEFKAKEPEYVSNEKVFVRVFRDDKWDEYKKAPSCTQKVPLSLRNEQVTLKKNM
GHYVGEVAMELNNHKDERAHYYYFVITDCSLEFYMHDEMVPKMSYTVTTWNDGSHVSADE
IHLENLHTIASLVSGLLALTLCCVIGIQLYEKSTVHAAVFLVMAAAASDSFSSMFELIHL
SLYAHNGIGSYAMVSFVMENHEKKIVTWFAWQRHFTQLISIPDALSALHLEAVCDLSVALL
LLSVAAGWTLPSDVVAVKQONATAIQKLLDGFQSPFEALSALSPTAFLAIAIFLCHVVLAQ
WGRMYNDDFDSYHDLEHLPGKFLMLNRIIILGFCMMACCLSTRMRCTPSLRSFYQLTIIG
TLWFLSLPLLTWVFNALIPYHKRHRVVGWAAVFQTSGITLLSWLVTSHSTSYHKLSHLS
STSDNLTDALSRRSSGKGEARTWMFGKNK VRLD

>comp12980_c0_seq4; 449 54 1596 LEN=2802; translated
MAQELERRFIWHQFRRCILLVLFATWGWCDFADAKTVSGKFRLSGLDTEYVVLGSAFVSP
RKMGTLLKVEFKAKEPEYVSNEKVFVRVFRDDKWDEYKKAPSCTQKVPLSLRNEQVTLKKNM
GHYVGEVAMELNNHKDERAHYYYFVITDCSLEFYMHDEMVPKMSYTVTTWNDGSHVSADE
IHLENLHTIASLVSGLLALTLCCVIGIQLYEKSTVHAAVFLVMAAAASDSFSSMFELIHL
SLYAHNGIGSYAMVSFVMENHEKKIVTWFAWQRHFTQLISIPDALSALHLEAVCDLSVALL
LLSVAAGWTLPSDVVAVKQONATAIQKLLDGFQSPFEALSALSPTAFLAIAIFLCHVVLAQ
WGRMYNDDFDSYHDLEHLPGKFLMLNRIIILGFCMMACCLSTRMRCTPSLRSFYQLTIIG
TLWFLSLPLLTWVFNALIPYHKRHRVVGWAAVFQTSGITLLSWLVTSHSTSYHKLSHLS
STSDNLTDALSRRSSGKGEARTWMFGKNK VRLD

>comp12981_c0_seq1; 335 153 1435 LEN=2037; translated
MRSNDLHENNSAEDANSTIEVDMPEGTSRLSVLDGLSLSSIFDHQEQSFILSPDVLNGME
NTRANSNVDFEQRTIVSSHPSEGSIVGPDQFVVDKTSILTTNTEIFELDAVDQMENG
ETIFPSTSSNGLSHESIKLSKGNQSGLALFEDGIFERIGAALSSDAKDCVIRLLSEPNA
RESSLPSIPLEVSSPGISASSINFQNSGYRAEVDLPPHLICGVCNDVVVGACILDNCCKS
SVVCTPCWENRGRNQDDSKSNRCPSCQSNALKAYCHALDAAIHIIESLPADSEDITL
KQGYARLSDWRPAVSDRNDRQTRMVHVENELSTRRSREENADRKHPPKKKATAFMRF
ASLKVIAIVFAPLIAAAAAACGFKKNKENDTLMRVYIGFKDSSNTSSRFLEIEENSDEYF
EKNEYDN

>comp12982_c0_seq1; 130 175 969 LEN=1147; translated
MGQVGDTPGPADMFNALPIITRYWFGATVVVTLTSNFGIISPYQVIWSWENVTSMEIWR
FLTPFCYAGDFSFNTLIAMYMLVQFSKQYESGGPFNTGAGGGTADYAFICILLGALGMLAT
YPFLVGLGFPIPPIFSKNLIYYVLYVWSKRNPNTQANIWGFPIQAIYLPFAYLALTVFMG
NPYFDMLHGLVIGHLFYFAVDVIPAVYGKDFLHTPAFLIDYFGVGEYQEPAPQANRGGFG
RNAPAAAPSGGHNWGSNGNRLGTS

>comp12983_c0_seq1; 417 1 1039 LEN=2030; translated
XEDMSSNTDPPKAHPETETTEGRTARHSTDCSTHPIQSNPSPVLPHTTQHNATPQHTMP
YYPQSQERSSIGVLASLADRQAKLKANLEEAESMSSGIALRIARGQRFEELLGAETTEA
LREELLSAKENIAVERNIRAYSDATRVVCGRATEAMNQASASGTDGGSNSNPKPHRFQ
QETAAYRRASEAIAAGSGPIAGEPAYAKLCRLGEEESGDEELAVVGDHIGLSDIRCP
LTLAPMEVPPFRSSVCGHVFEKAAILQLLKKSRKCPKPGCANNVMSASEFAEDPDTARKVR
RYKKREEATQVRARAAIDMDDDDDEEDGGSFLRDSFAPSAMPR
>comp12984_c0_seq1; 1088 1 2351 LEN=3285; translated
XPAGDASAEPAATVAEPSTKRRRIKVVLGKTGLGGSSSNTAAPAALAEQETPASGEPVSLA
AGSKKDAAVEEAPLAPPVQPPAAEPKPKKKKADRAKSPRPLSPLPRAGEAETAQPEASK
EKAQAGSSRAGATEKKSRRDDGQASAKATGNPDAVLPAAEAAAHRSGRKAAVDAKEKMSAKQ
KAKKEKEDAPPPEESGKPKKRRRQEDTEELKLDSDNEPNEWVQCDSCCKWVLPDNRAS
SLPDQWYCHMNIYDKKRNNCQAPEQNNKEVLKERKERKRRRLKPKKARREAEAEESQQPQ
QQQGGKKGKQQQQLSGQDDEVAASAPPSKKKAKLEKLNADKQTPRSTSPKPTGKTVKSK
GSESKKIAEAKRNAAESGKKS VKSDDGVNPTDSGSDTKKETKPKKAKKEAQESSHS
QDAETGADGKKRKRGRPARNQAIASGTSSPNAGFVEDQADEDNVEWVQCDKCKQWRKLP
HISSDELDPVWNCAMNTWNPDSASCEAAEDKTDQHQEINGTSEWQLRQTHAGKYSYRQM
IFGAAARKPNRPPSERARAAESLFVAQSTDEENPVPTTQYTKSSVFLPRVSNFNKNNATE
EKALGIFDILKNSNLWDELRRMDPNPKVLSTACGNIPGYPASTKMIKTYDSLTVKHA
MQDAVLQTLFGLSSDEVVAKAQWFPFETSVVRAYCNPDIIVHTLLDLVRDGLVETNAV
RNPFLPLSEWVPRYRRVGTRRAIEAVEAIKASRCIKISKPKWQRGTPKSALEEWVTGAGP
QRS
>comp12984_c0_seq2; 1088 1 2351 LEN=3165; translated
XPAGDASAEPAATVAEPSTKRRRIKVVLGKTGLGGSSSNTAAPAALAEQETPASGEPVSLA
AGSKKDAAVEEAPLAPPVQPPAAEPKPKKKKADRAKSPRPLSPLPRAGEAETAQPEASK
EKAQAGSSRAGATEKKSRRDDGQASAKATGNPDAVLPAAEAAAHRSGRKAAVDAKEKMSAKQ
KAKKEKEDAPPPEESGKPKKRRRQEDTEELKLDSDNEPNEWVQCDSCCKWVLPDNRAS
SLPDQWYCHMNIYDKKRNNCQAPEQNNKEVLKERKERKRRRLKPKKARREAEAEESQQPQ
QQQGGKKGKQQQQLSGQDDEVAASAPPSKKKAKLEKLNADKQTPRSTSPKPTGKTVKSK
GSESKKIAEAKRNAAESGKKS VKSDDGVNPTDSGSDTKKETKPKKAKKEAQESSHS
QDAETGADGKKRKRGRPARNQAIASGTSSPNAGFVEDQADEDNVEWVQCDKCKQWRKLP
HISSDELDPVWNCAMNTWNPDSASCEAAEDKTDQHQEINGTSEWQLRQTHAGKYSYRQM
IFGAAARKPNRPPSERARAAESLFVAQSTDEENPVPTTQYTKSSVFLPRVSNFNKNNATE
EKALGIFDILKNSNLWDELRRMDPNPKVLSTACGNIPGYPASTKMIKTYDSLTVKHA
MQDAVLQTLFGLSSDEVVAKAQWFPFETSVVRAYCNPDIIVHTLLDLVRDGLVETNAV
RNPFLPLSEWVPRYRRVGTRRAIEAVEAIKASRCIKISKPKWQRGTPKSALEEWVTGAGP
QRS
>comp12985_c0_seq1; 110 431 1217 LEN=1217; translated
MTIRSLQCWRIIAALASLSMGATSLDSLNLQFEAPGSTDLSALGTPNLKHYDGTIELTLD
DDGAERGCLYKLEVEFDVNAEDITVGEPPGFRKNCAPVNRGTAPDGLPFHTARRHWIRFP
PYVFDTTGFDHVSVEWLPCGRRPSGFKKARYDLNFYTVTPVYRAYMLCQTFKTPAVCQYN
QTSHIGRAQFTVPRLARSVSRPLPYSVVHARASLHRVVS LTIARQLATNPNSNLGIPGLFL
VSFHFIRFVLFSLFDGTPNSNRX
>comp12985_c0_seq2; 179 510 737 LEN=870; translated
MMALPSNYSTSFSDGRMTVTLEGAASMCGNFLEAKAEQEDMDLESIEQYDLIFEGDIES
AVNATSSNFSDFALN
>comp12985_c0_seq3; 187 431 1507 LEN=1640; translated
MTIRSLQCWRIIAALASLSMGATSLDSLNLQFEAPGSTDLSALGTPNLKHYDGTIELTLD
DDGAERGCLYKLEVEFDVNAEDITVGEPPGFRKNCAPVNRGTAPDGLPFHTARRHWIRFP
PYVFDTTGFDHVSVEWLPCGRRPSGFKKARYDLNFYTVTPVYRAYMLCQTFKTPAVCQYN
QTSHIGRAQFTVPRLARSGAYLANMPVRFQDAAEPEAFEHDGLISYDARTTPLTPEEWE
LPAFLMSTHDGSVSWRSMPDFDFMGKATATHSAYQYMYQTMALPSNYSTSFSDGRM
TVTLEGAASMCGNFLEAKAEQEDMDLESIEQYDLIFEGDIESAVNATSSNFSDFALN
>comp12986_c0_seq1; 269 488 1324 LEN=1499; translated
MSCSAAGTASATLAPADLAREDNMAAVASGASQNAIANANAI PNTTTDPGRAKATTFEG
VELPGFKTVDGVHLYRNGHGIRRI PFFGMNINIYVAAMYSAEPLLSTAQALGETPLRANR
GAIDAGRSGGGHGPLQLDFTFLRYVSQSRVSAWTQQLDHSVTHREYEGYEDRALFVRL
ASGGPIQYLGTSVQLVGDETRI IDQGVKGVVRGRNFQRAFLSMWFGSMAVSEDLSSNL
LRGDEHHPASAVEVEQWLRELEEQALESSEEGQVPVAA
>comp12987_c0_seq1; 573 251 910 LEN=910; translated

MSVYQKIFQATTRRAAASAAFSAGNIAKSAKSSVPMKMAIWAVPGGVAASWFI FGAL TDEI
KESLGMYYDPLADVNRVEMERVKRMDEREAIKAAKAAAKASSSGDDDEEDDDDDDDDEVS
AAVSKAVASAMDDDDDEEEEEEVSVEEEVVVEVMVAPIVDEEEEEEETEDVQEEEEEEENES
SKKTKPSKKKFEDMTTQERWDAFLEKSIVPGEDDDDDDDDD

>comp12987_c0_seq2; 663 131 1186 LEN=1543; translated
MIPAVHTTILPLALLAVVLQSGGTCVAFVIPPAGTACTAAGRSCAVGSFSPFFTSRLFST
PEDESTDEEGASLASEFFKMAQAKGVSIDESDFEDDDDEEDDDDDDFDYNIEGDALDDRSNY
ADDGYDEEDDDDDDEAEPNIPQGAIDAFVGYDSKDASANPSVDIPNAQLYGEVKDRVLDTA
GGFVDMISGPGNDDDEDGDGDAKVEYSPPSTVDPPELTAGEVVLLVLDALKNNNDNPYTN
KGVIELFGYSSPGS QIKQEEGLTPAEYGEFLKETEKALFEHLEATIEKGEYSFEGKKGF
FTARLQTGLAPSDCISVNFILSGSGPDDDEAAWLIDSILIRPASVRRRRRR

>comp12987_c0_seq3; 178 208 585 LEN=792; minus strand; translated
MNGWSSQSTASVSSGPRLSFPAFGPILSQRFLPSSDWFLCLALPCLALLRLSPTPAADRG
GADEDAVDEPGRLLVVVRAGSAQDKVDRDAVRRGQAGLQPRREEALLALEGLVALLLYRLRE
PAARV

>comp12988_c0_seq1; 378 198 1088 LEN=1534; translated
MILWLWNIQNVLAQSSNNQTI AENNGGNERFERQKIYTYFERIDISNRTTGMMADDDK
LLRFWKERWHAAGYMPVVLTA KDVWKENGQKHLTQSRYESVQSRLDALKLDDFSRVVFK
WIAMTVAGGGWFSYDYSFPLPSLYRENGGDIIRGDEL PNNGHITVYDMI SPTLASGSANS
WIDVLEALLDDAEHCRQTEGSKTYHRYDLDCFYTD SLAIHSLRKKQHKLAPHTERKIAT
PFDKHDPVSNDDTGLCSSEK FVKKWTVHF GPGILQRS GHIPRARRPKYRLNVAEDW

>comp12989_c0_seq1; 603 3709 6081 LEN=6729; translated
MDHSQEFSSSPVGNHNNGGIQDQRYRDGLIRLDPCHVQEDPQSLAQPTRYHPSTGNDEIT
PQQIAMA AIEIPHSSSTTYITGPGVALSETTVSLPPI LRLLFGLNGLALSLLTLPIMYIL
NTRVEVPLPYLPAYGAI AFLPYSLKPMYAYASGLLAVEAPNEETGSPTTFAESNANSNSQ
YRNGYRHLRFLSALLTCNSVCTLLFACIPKGGVIAVLVVAFFRGITDSWAEFCLGLTLID
HARARASEETSSPYDTTVSKLQAEAATAGNLGAWLASFVTCLLFAVRYAVAHNDDGGDE
HSQQLSGGVANALVFVTASMQMGAFVFLYNNGR LASTRLFVTNLVGGYRELRTTASAQ
FTSEDDTENDRIGLFTNHLTAAPTELD SLRDEESSHPSYSSLEDLAHNEDSLSSTSTGNS
NSVSAPDIVSATSYSISGTAGRSPTKLFHWILVLLQ CILV IALKGP IVEWSSHFLWSVS
MGTLLCCIILT VLALFCGKAKNGNSQQT LRVG LYLVLRNAVPSDSAI IASFFYSLFGESQ
PFVLQLLGFLGMVGSLSSLSYTKFFSTRFSTGRPLLCLMGGTVLMASVASLLNIAVFRE
YQHTVAHAGTEDSDAFSPTSPTSTKLF LIAVLAKFATAFFEWAFLPELV LATT SVNIP I
VPPTEQSAQVSNHNRSNRQEDTGSNNEE LELSPI SPTTTASRHP SNLERNSSSKREDDKR
IAMEYGTLVSCIDFGDQLGSLMAAPLVAALS VSRDNNFLNMDRLILICAVANVIVTIGLL
PLLTHKKTPK

>comp12989_c0_seq3; 603 3340 5712 LEN=6360; translated
MDHSQEFSSSPVGNHNNGGIQDQRYRDGLIRLDPCHVQEDPQSLAQPTRYHPSTGNDEIT
PQQIAMA AIEIPHSSSTTYITGPGVALSETTVSLPPI LRLLFGLNGLALSLLTLPIMYIL
NTRVEVPLPYLPAYGAI AFLPYSLKPMYAYASGLLAVEAPNEETGSPTTFAESNANSNSQ
YRNGYRHLRFLSALLTCNSVCTLLFACIPKGGVIAVLVVAFFRGITDSWAEFCLGLTLID
HARARASEETSSPYDTTVSKLQAEAATAGNLGAWLASFVTCLLFAVRYAVAHNDDGGDE
HSQQLSGGVANALVFVTASMQMGAFVFLYNNGR LASTRLFVTNLVGGYRELRTTASAQ
FTSEDDTENDRIGLFTNHLTAAPTELD SLRDEESSHPSYSSLEDLAHNEDSLSSTSTGNS
NSVSAPDIVSATSYSISGTAGRSPTKLFHWILVLLQ CILV IALKGP IVEWSSHFLWSVS
MGTLLCCIILT VLALFCGKAKNGNSQQT LRVG LYLVLRNAVPSDSAI IASFFYSLFGESQ
PFVLQLLGFLGMVGSLSSLSYTKFFSTRFSTGRPLLCLMGGTVLMASVASLLNIAVFRE
YQHTVAHAGTEDSDAFSPTSPTSTKLF LIAVLAKFATAFFEWAFLPELV LATT SVNIP I
VPPTEQSAQVSNHNRSNRQEDTGSNNEE LELSPI SPTTTASRHP SNLERNSSSKREDDKR
IAMEYGTLVSCIDFGDQLGSLMAAPLVAALS VSRDNNFLNMDRLILICAVANVIVTIGLL
PLLTHKKTPK

>comp12990_c0_seq1; 887 176 2665 LEN=2786; translated
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LQKDCGNEDPMVRGLALRSLCSLNL PQMVEYI SEPLRKS LQDHHAYVRKTGVMGILKLFY
LDQQAFQE CNFTDILYDMLRDVDPTVVANCIRVLNEVMAKTENGGMAINRAIMLHLLNRI
HEFTEFDLVCVLELVPRYIPANAEEGYQIMNLLDPVLKSSSATVLATVRAFLSMVESIA
STPEEMQEIKQQIVARVKAPLVTLV ASGSNESCYVLLKQVETLVELCPGSFDDEYRQFYT
RFSEPTNVKYLKVQILPLL TNPD SAPDIVAE LAETVNDNNKHL SRLAIQSMAKIACRNTG
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GGGRGRGRNNFDSNNGRGRGRGRNNFDGHNKNNRGGQNNKGSNHQRIVIKDVQLELT
GIGSTPSQQAVKRISAKILMMARTKYIEAPTPDANGVEVFNPHHEECQWTDENRAETINQS
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>comp12996_c0_seq1; 419 1 1233 LEN=1472; translated
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ILLGVDRHGGSGGSHTARLFRTPGGGFEECRCCAAGKSRDAVAKELAAALVDAQGYGLDN
DNGHDNDNDNGGSSPKRQSGGDREALSSESRGGAIARTAAAMAGRVLRLLLDPGSHSKRGG
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>comp12996_c0_seq2; 394 1 1215 LEN=1466; translated
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ILLGVDRHGGSGGSHTARLFRTPGGGFEECRCCAAGKSRDAVAKELAAALVDAPGYGQDN
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>comp12996_c0_seq3; 419 1 1233 LEN=1484; translated
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ILLGVDRHGGSGGSHTARLFRTPGGGFEECRCCAAGKSRDAVAKELAAALVDAQGYGLDN
DNGHDNDNDNGGSSPKRQSGGDREALSSESRGGAIARTAAAMAGRVLRLLLDPGSHSKRGG
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>comp12996_c0_seq4; 394 1 1215 LEN=1454; translated
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>comp12997_c0_seq2; 251 223 600 LEN=1547; translated
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AYKQN
>comp12998_c0_seq1; 497 59 1129 LEN=1500; translated
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>comp12999_c0_seq1; 402 132 1958 LEN=2363; translated
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SRIRKNEDGNDWLFHDEEEDERLFQAPAVSSGLLTNSAQNLQALLEQAAPLASNSVEKP
ERGAYKKKQKPERMFAAPKYATAVFRILFCSISCLIGLCYFLAADFWPPSVGGTGNTKNC
WDLSSIGVTLMHTDFDKIVDSDFDSYNPVLRRYYLIQASYHFHSAVFHVLT SILLWFVSK

SSKKKEASAPKFFGFIPMSMFTLLNVRIFQHVFSVLVILGTYLFSSTRRLGAIAMFSFD
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SALEESQDW

>comp13000_c0_seq1; 403 1 1248 LEN=1267; translated
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VEACFSEERQRYFSWLLSSVRLAHGVKDTMRLVEMDDVVGLATGVVLMWKHVRIVQGRLD
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QCNEWKAELASLELLTDLDRHSSSSSLVPHDPAPGPGTHGAGKKAKKKKNKKKNLHSGAIG
GPARVPSSEHGRPAPAENTPSNTNPETDGIPISSDKGIPPALPPTPTRAGNEDGIVGGGG
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>comp13001_c0_seq1; 331 43 1409 LEN=1618; translated
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DLNLEPGSFDVVIISNCVINLCTDKEAVLKECLNLLKPGGELYFSDVYANRRVPKTLQEDE
VLWGECLSGALYWYDFSSEMNRKLSKGLLCSCHRCPIAHSVSQNTSSSILHFSRNDFE
NMARKVGF TDPRLVEDAPITVQNAEVERAISESGNDSLKIFYSATYRLWNLDLEPHCEDY
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>comp13001_c0_seq2; 448 43 1278 LEN=1487; translated
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SGSGRDVYIASQLVGPTGKVVGVDMTDEQLDVAKKHLDYHAEKFGFANVEFKKGYLENLK
DLNLEPGSFDVVIISNCVINLCTDKEAVLKECLNLLKPGGELYFSDVYANRRVPKTLQEDE
VLWGECLSGALYWNDFENMARKVGF TDPRLVEDAPITVQNAEVERAISESGNDSLKIFYSA
TYRLWNLDLEPHCEDYQAVIYKEKSCCGAIDRYPSGWLLDKHHYFEAGKIHPVCGNTY
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>comp13002_c0_seq1; 582 111 1337 LEN=1366; translated
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YERKVCLVLEDIPVKDIKMFVSGFSELKTQQPMDVLHDLRRFSLSLVGNIGIPALILET
ANKTASEIAQYSTMVENTAAPNEEQWRAATESFVKRSFPELEEAPIAYRFLGSSDVCIL
SGYWNCICELESSDPTQCNSIVLSFPPSSETETHDRFVAISTLLNAINLKYNDYRYELK
HLHPSYDRDDIEPKDEPVPGLAPSSLLRDAIRENGGEELSDEQLALRNYQRRSPLPGVV
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>comp13002_c0_seq2; 595 111 1319 LEN=1348; translated
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LVLEDIPVKDIKMFVSGFSELKTQQPMDVLHDLRRFSLSLVGNIGIPALILETANKTAS
EIAQYSTMVENTAAPNEEQWRAATESFVKRSFPELEEAPIAYRFLGSSDVCILSGYWNC
ICELESSDPTQCNSIVLSFPPSSETETHDRFVAISTLLNAINLKYNDYRYELKHLHPSY
DRDDIEPKDEPVPGLAPSSLLRDAIRENGGEELSDEQLALRNYQRRSPLPGVVIRRSE
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>comp13003_c0_seq1; 97 1 667 LEN=786; translated
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DRVKEGVSDSFIRVAFCKTDEIEAAAQALKQLKVPEAVVAE

>comp13003_c0_seq2; 374 292 1988 LEN=2107; translated
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TVWTEFGRIAQEHPVNLGQGFDPDWLPPKFAVDSLVEAVLDSAQSPHQYXAACGPPQPGQ
PAGAAVFDPHAKGDRSMDEVAVTVGASQALYLSLQTLVQPGDEVVLFEPFFDLYVNQVKL
AGGTPVFVPLRFEAYNDDDDDDASGGEWKLDRDELKVVSPRTKAILNSPHNPTGKIFS
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RTITISSAGKTF SATGWQVWCIGPKRLLSPIHRLLPYVQFCASTVIQEALARS LDRAEL
PYEGHASYYDYLKHKYTRKRDL LAEALTSAGFAVPDYERTPGGGFFILARAGPEIQKVL
ERYVLAENEAAPGGIARQDWALCQWMAEEIGLLCIPSSPFFSLDRVKEGVSDSFIRVAF
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>comp13004_c0_seq1; 228 1 1291 LEN=3738; translated
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DLLEHGRTIVSGEGSNKPLVAMEIGVHSV KQCKAAAIRHIHAHCFE P SPAS FQRITGQVR
NDRELE EYKDYHLHLYNVAAGNV TGGTLEFHTSKGGSTGDHVG N ANMYSMEANAPDGDVVH
VPSVR LDDVVL DSSSYRNKI QPVSVD T SQPSK SAPK IDEVYAIKVDT QGFEP SVFAGMS
ESIRRHKFQHILFEFWPKAMDLMAGSVGGSSDAS ICNKAVE ILELLD GAGYKLYPLTIGY
HPKQVATAKERMQLKKL NDRPLHDFRAH C MYLRLELEERRVSETDCKMGFWTDFLAIAPNV
DSFLEHPKGR

>comp13005_c0_seq1; 195 432 1263 LEN=1500; translated
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PRVHRLRTNASKNSDGGEGSASSEDEEEDEYDY EYEREPALCSDVRGRPAGVVLEDLN
WRIEKLRLLEEANKRRFLKSGPRFLPYEECQKWVQAWGNRWESAE EWCVRQHESGETD GVA
AVRDCPGNQCCNASMHRVVVIDL FVITYPDFFGG GYPLVRVRSVVCNRKD WIASGEKRNA
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>comp13005_c0_seq2; 199 432 1076 LEN=1313; translated
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WRIEKLRLLEEANKRRFLKSGPRFLPYEECQKWVQAWGNRWESAE EWKD WIASGEKRNAYI
PSRPDEYFKRTGDWISWEHFLGVPEKEQDDESDA

>comp13006_c0_seq1; 798 71 3253 LEN=3464; translated
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PHQLASLRAMHELESRTDAFGALRGGV LGDAPGLGKTITTLALLSSTAGRRPLDPPEFWD
SDGIKEGW RAMRGNPAAREEVLRCLKPV RHVVSKEELDYLSPPYFEPGSLRKRQANTYPN
REDLFP SLESFRKHLHKL LRKGFIRPRASRSEWELVRQNLKGLQMGMDKRN RKL IASKE
GRRLTWERQLIPTTATLLAVPDALFEHWFQ QIREHLCLSVFAEDGGWGDTKTAEAVPRGV
VYLDGLGDLADVTTGAKALKNTSALTEPVLN AAGLSGYLIVIVTF SRCRRDFKSEHDSMS
HNDDKSRAGTKRKRWGCCAAEALARIGRTTQSS SLLQLRWLR LLMVDEGHQLETDDALAKF
IHKVAAERRWVISGTPLTGNEDNPEYNSAALDQLQRILYFLRHPRYGVSKSE DVVEAWET
EVKKPFLARQSREKLLAVLREIMVMHRKEDLKLPEPVFLQIEREVS VPLDVEAAI LQQAM
DSPFGSLSIPYGLNQYLHSP EFQSLV DAAQATYVLET LQRARKALVHNNNQSTST DTRPI
KGVVYSSSNKDLLSVADQILRAVAPESVAELYGNSTIADM SSELERFRHG NRMYRTCPVC
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RVRDLLEVDVRGCHPLLSE RKP HGVDGYGA EKCRK KALAHRYEGRD WFFGPLPDVSPDA
DHSQVPMEVILKKWQRCGDFHNSWYAGPGLADSPVMRRKEDV FLLCLDADLGHGLDLS
FVTHIFLLEPINDAALLEQVTSRAHRLGATGPVSIETINTFYKCSDEFQKRVDGSMVLNQ
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>comp13007_c0_seq1; 820 1 1958 LEN=2078; translated
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VCKILFEAVLYCHQK KIAHRDIK PENLLMVEADDDTSIKLADFGFAKR VVGELSLSTLCG
TAQYVAPEILD FQVDGYDERCDMWSVGVVTYILLGGYAPFEGEPDELAQFIIRGDYEFHD
KYWADISESAKDMIANMLQVDPWKRLTAVEALSCEWMGLSPEELACKDLGGAKEQMEEQE
DRKKKMSKESIAGKKALQALITTNKFLSLGPMVGGATSKDPASDPDKLGVEKAAEYDFE
DCYDWGRQIGVGTFSVVHEAIQLDDGD TYAVKRIPRVDLWEDDAVALQSEIMCLQQVSDC
ECIVQLREVFDETDFTYMVLELLPGGYLIDK IIEKHFYDERKGLVVAKR LITAIIEFCHYH
RIALRDLKPENILLVDGSDTEVKLSDFGHAKVVYQPN SLTTVCGTEGFVAPEIEHSPQY
DVECDIWSLGVVLYILLGGYRPFREGEDCLEKIRYGYQFHRKYWSHISDDTKDLIAQM
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>comp13008_c0_seq1; 1514 404 4813 LEN=4975; translated
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ISKNFLVGNDFKPPPPPRRSTERKEEVQYHGQAPEGAASTSVSISQEI EQKEILRYGE
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VTSAFKGLWGKVEQRLDDLANLEDTVSGRAQRLVNTAITTASTASRISPSRIRLLAESGA
AAAARATPASMGN IARKKNASPSVLGATS VPLKSYGQKFQVAIQEKERQRNDQINQASHL
ANDKSKSISAKGGATSSPYHPPQHPSPPTSSSSPPGNPNTDSAASSPEKKDSANQNVNVN

GNQGRNSYDLRSSSWEARPPISQTDGRNVAPPSETTASTPSGGKGTFFVPPNANSNANNGS
SQGNRDGRYNSGNYGSSSGPGMNSRQFSNPSRSNEQQQSSHSRNSRIPWDTSEKSLSPPAR
SVQSLPNRSGLVHRFDYDTPSWKRALEKLVPIPSLPNIGKMI PRFRRGNIRYSSANLD
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NGKKTSLCEADV RAGNAIGRYKAALDILFILSSILGCKLLPGLGDITSLPTSFOEATEA
VLTIGRSILSELSMGSWALFAFLYAYLFKYAQEVFLDQKTESLASSVASSVKEESEYAQL
YLRLTAATPMNRNLPDRLA AISKNQVSVVSKARLNSFVWIVLTS LTVMTVSAVGPILLA
FSSAFTKIIVMKEWRQWPIEWQSLFGSSILMQDLFHTLESHGTRAFSAFVEKPMQFSFH
LCMFGCLIISTLLPRLEERRALASKRDEDEDLEEDDALSSSFESAEEWSRLGTSSASRLS
MLSENGSVENALARWRGSHLSNIEESASRGPLLSLVRVAVYTLAVLVTGLPVAVSYFLA
DDTSSSSNIMSFFRWDSLFDLSFIQLFLFGLVYRALQKVMESVTDASMVKNFQEDLVS IK
NEIEESNRGNTDFQVMGSVSPSAGIAVRDLWAAHVTKRAWAVRGANLQCKNGEIVAILGE
DGNGKTRLLTSLAESLTFPPKRTVTTNKVRGFI SIGGLEISKWNRKMLKRRLGILLSDVR
VVADSASLFSGWTMEEIILEPIDGVRLYNNDSLQRTYTSAEKSAMLLALKLTGLYGTLLSR
LPSKSSSTIFTANEEDLRPTTLKPRSTLLSPGEWSKLILARVLSQTIYDNDNALSSNDKIE
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>comp13009_c0_seq1; 709 199 2367 LEN=2542; translated
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APRRIGMKIGVAADANGVLPPPPPKPNRVRNPLVAARSRGLARPAKQMSKISEHTTNTN
EGSVSSESTEP ELPRLKRPSLVAKKSNWRPRTASSSVLARSSSQDKHPFGGSVSPTRRNT
SGSNRGRVGRNRSM PANMKRPEAKKPGSSSLHTPIKTGSSSHSLKTGSSSSHHSRKGVS
DEGSQASFEDDAESSISHDAVDRAVSAALKPKSASKVTQPPPRTS ENRGRSHGGAARQSR
GRSVPRTRKSSNSAGARTPATNSSSKIDRIKARGRSVANPGGKAKAGPGREARAE TGNE
AKADPGKEVLAEP AKEAKVEAEXP SKTASTTPSTVEKEPVAILVWDDEKEEDNDSKDSNR
GESAEVPLATDNNPTEDSSESHSRSSVKIPAVFLKSSSSATSSYNSSRF GKGTNGSIKS
SASLFS PKSKKANATVETTEPIVISDDETSSPTSSNSRDHSPSPSPK PSSSRNSSEEQK
KTNTTSTDDDEEEDYVPRKIRKPAKQAKPVATSTA EKISNGDKAAV PNL DHLKACLTPVG
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GT

>comp13010_c0_seq1; 480 151 2251 LEN=2341; translated
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NSVMDKGGNGNGNCLPQPEAPGEMSPRSKARYALRKR RRPGE EAAPAPEMDIAIKTQQDT
VTDFDPLNELQHVQDRRGVTSTSLQTIQLPLPPP I KIKQEQLPVHPV NAMTHTSITIKQE
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VTKKKAPRKRKPKAQKVTAQTKVAERLSTPVPNPLLAASTPPAHP SMNH CARQDAAISST
SSVPCPLPVPSPDLGNSIQVKAPKTTSYIPFDPTKLT KVSETSVSRMDPPP IQSRTRV
FSVDLDR ELFYISLWLNDDSSLFXLLISLFLCDFVIFVPLASTFDFSDLSSITGGNPK
ASADSDLP IFQGRDRAF SFEVFN FAGGDDL LPNPV SSTPMLQAPSLGPVSVEAQISRPRG
DSIIFDPASFQDGGIHEKNALEKARFKDLLQVAPPQQPLPH PARRVSAPSGGGITGTYST
SQSNNPLPLMLPPGSSLNHTNTVIGGQNRVSHPVQSSNIIVTGSKSRSMPTNASSGGRIT
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>comp13010_c0_seq2; 580 805 2799 LEN=2889; translated
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VTDFDPLNELQHVQDRRGVTSTSLQTIQLPLPPP I KIKQEQLPVHPV NAMTHTSITIKQE
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VTKKKAPRKRKPKAQKVTAQTKVAERLSTPVPNPLLAASTPPAHP SMNH CARQDAAISST
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FSVDLDPSTFDFSDLSSITGGNPKASADSDLP IFQGRDRAF SFEVFN FAGGDDL LPNPV
SSTPMLQAPSLGPVSVEAQISRPRGDSIIFDPASFQDGGIHEKNALEKARFKDLLQVAPP
QQPLPH PARRVSAPSGGGITGTYSTSQSNNPLPLMLPPGSSLNHTNTVIGGQNRVSHPVQ
SSNIIVTGSKSRSMPTNASSGGRITSSNRNLSLSNSAQMATLPSSLSGGNSSNAQSPPTFQ
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SDMD

>comp13010_c0_seq3; 580 151 2145 LEN=2235; translated
MTTLDNH HIVNSHSSVGAIQVTGNDT SIKTENGVVVDEEIDSCEGEDYDEKKMFQVALV
NSVMDKGGNGNGNCLPQPEAPGEMSPRSKARYALRKR RRPGE EAAPAPEMDIAIKTQQDT

VTDFDPLNELQHVQDRRGVTSTSLQTIQLPLPPPIKIKQEQLPVHPVNAMTHTSITIKQE
PKQELCTGASAGRLAQPGTISKPLNTSQALLPCLAATIPQQRQQLMKSTNVSYPAKPS
VTKKKAPRKRKPKAQKVTQAQTKVAERLSTPVPNPLLAASTPPAHPSMNHCARQDAAISST
SSVPCPLPVPSPDLGNSIQVKAPKTTSYIPFDPTKLTKVSETSVSRMDPPP IQSRTRV
FSVDLDPSTFDFSDLSSITGGNPKASADSDLP IFQGRDRAFSFEVFNFAAGDLDLNPV
SSTPMLQAPSLGVPVSVEAQISRPRGDSIIFDPASFQDGGIHEKNALEKARFKDLLQVAPP
QQPLPHPARRVSAAPSGGGITGTYSTSQSNPLPLMLPPGSSLNHTNTVIGGQNRVSHPVQ
SSNIIVTGSKSRSMPTNASSGGRITSSNRNLSNSAQMATLPSSLSGGNSSNAQSPPTFQ
MELLNKDGRIGIYLPEARRLR IARFHAKRKMRIWRKRIKYDCRKKLADSRPRIKGRFVKR
SDMD

>comp13010_c0_seq4; 480 805 2905 LEN=2995; translated
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NSVMDKGGNGNCLPQPEAPGEMSPRSKARYALRKRFRGEEAAPAPEMDIAIKTQQDT
VTDFDPLNELQHVQDRRGVTSTSLQTIQLPLPPPIKIKQEQLPVHPVNAMTHTSITIKQE
PKQELCTGASAGRLAQPGTISKPLNTSQALLPCLAATIPQQRQQLMKSTNVSYPAKPS
VTKKKAPRKRKPKAQKVTQAQTKVAERLSTPVPNPLLAASTPPAHPSMNHCARQDAAISST
SSVPCPLPVPSPDLGNSIQVKAPKTTSYIPFDPTKLTKVSETSVSRMDPPP IQSRTRV
FSVDLDRELFIYISLWLNDDSSLFXLLISLFLCDFVIFVPLASTFDFSDLSSITGGNPK
ASADSDLP IFQGRDRAFSFEVFNFAAGDLDLNPVSSSTPMLQAPSLGVPVSVEAQISRPRG
DSIIFDPASFQDGGIHEKNALEKARFKDLLQVAPPQQPLPHPARRVSAAPSGGGITGTYST
SQSNPLPLMLPPGSSLNHTNTVIGGQNRVSHPVQSSNIIVTGSKSRSMPTNASSGGRIT
SSNRNLSNSAQMATLPSSLSGGNSSNAQSPPTFQMELLNKDGRIGIYLPEARRLR IARF
HAKRKMRIWRKRIKYDCRKKLADSRPRIKGRFVKRSDMD

>comp13011_c0_seq1; 426 54 1232 LEN=1774; translated
MARLSSTSVSTSPIQEEEGKEEVSARWRDPSESSFDWTIRVIRSSNENAVVTGVTNFDGG
SSCDVNDRTDTSSLSNALDSEGLGDSHCDDDEEVTYHVHRVYLASGPRKSEYFRTLFLSLTT
NTQEKVSRTTTLPESSCSIFPVLLDYIYSGETEENTVLCGHFGDSIDVAVLREAVALY
FLADYLQIQKLIPITKKLQVNLSDVNVHFLCREALMYGIDWIIDDCIMVASWSPRDFFA
PTTETGSPASCSPSTHPNTPLSHTAPPASQTFDMLPLERQAELLKLSLSHTLRELGRFKR
VPSRWKDDIDDVVATHMPTLMLSKEGENENRIRDYRLPAQGCGLPFPDNRMCP LFYFDR
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>comp13011_c0_seq2; 426 54 1232 LEN=1667; translated
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NTQEKVSRTTTLPESSCSIFPVLLDYIYSGETEENTVLCGHFGDSIDVAVLREAVALY
FLADYLQIQKLIPITKKLQVNLSDVNVHFLCREALMYGIDWIIDDCIMVASWSPRDFFA
PTTETGSPASCSPSTHPNTPLSHTAPPASQTFDMLPLERQAELLKLSLSHTLRELGRFKR
VPSRWKDDIDDVVATHMPTLMLSKEGENENRIRDYRLPAQGCGLPFPDNRMCP LFYFDR
DRDHTTPVASPLAQSQPSGQAAINVGSNSFET

>comp13012_c0_seq1; 599 275 2395 LEN=2570; translated
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QHSHKKNLHREEDSAWLFSGNELTAIDNCAYNEGEVGVLDNLGIESVPAYLNQFDQISERR
RELSHKNNRRPAPRKYRRTKQVYCDKTTYRLAILCFLLTIIILATLLFVGRPFPRKSTNGV
AENSNFVFTAPTQSPVNIGAITSSFP ISEPIVTTQEP IADATYKPIATRVPVSKPSTRPTS
PVSVHSRTARPTLSPTKEEFVTPRAPPLTAASDKKDEEITTESAQAAARQPTVPPLSMG
PMVGHTTHDSVTLWAYHAFEDYTM EILLYDSVTNGLIRTIDLVA PRKDRNNVMIETITGL
APSTSYKFGMHINGHRVKGGSFATAPLPQQSAKFDYILASCMNYRQYKNQIVWKEIVDNN
AGKFPDFSILAGDTVYLLQEGVDVTVRDGVIFERLWFRNKEQRNEKHFSEFIGNTPTYATW
NDHEYGSNNANRNQKGNNSLRAWELWANPGYGEESNDGVYFSYYWGDVHYLITDDHW
YRYPAGNRLGQKQTMWLREELKNSNGTFKIIIVIGSDIMERNWTS DLNNIGDIVRENKID
GVLFHAGDIHRNEFKQMETGGFPYVPTQITSSGI AKVWRRPYVHIKIDTTVDDPFI DAHF
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>comp13012_c0_seq2; 599 291 2411 LEN=2586; translated
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RELSHKNNRRPAPRKYRRTKQVYCDKTTYRLAILCFLLTIIILATLLFVGRPFPRKSTNGV
AENSNFVFTAPTQSPVNIGAITSSFP ISEPIVTTQEP IADATYKPIATRVPVSKPSTRPTS
PVSVHSRTARPTLSPTKEEFVTPRAPPLTAASDKKDEEITTESAQAAARQPTVPPLSMG
PMVGHTTHDSVTLWAYHAFEDYTM EILLYDSVTNGLIRTIDLVA PRKDRNNVMIETITGL
APSTSYKFGMHINGHRVKGGSFATAPLPQQSAKFDYILASCMNYRQYKNQIVWKEIVDNN

AGKFPDFSILAGDTVYLQEGVDVTVRDGVIIFERLWFRNKEQRNEKHFSEFIGNTPTYATW
NDHEYGSNNANRNQKGNNSLRAWELWANPGYGEESNDGVYFSSYWGVDVHYLITDDHW
YRYPAAGNRLGQKQTMWLREELKNSNGTFKIIIVIGSDIMERNWTSDLNNGIDIVRENKID
GVLFHAGDIHRNEFKQMETGGFPYPVTQITSSGIKAVWRRPYVHIKIDTTVDDPFIDAHF
YGASSTADKTTWTNDSNLRCTSIVEEDRSKEHTCTETIRLSDLRAM
>comp13013_c0_seq1; 397 909 1853 LEN=3805; minus strand; translated
MSHKRNSSAEKMDEKFIIFCGSGDRWISVWKIATDDDDVGTQVITRRLKFVQKLGPHGTW
VKALVYDDESQLLHSIGCNCIESWNC SRLSDHLQDDNEDKLLPIFHSIKRTIENCPAVG
TTLSSDLLCLCLVPPTVDSDEGLSRLLVSGGVDGRIHVWTSQYVVKRKEGNSYVDVRNPL
HIALAHDGRVNAIAFSSAMDVIFTIGNDGVL SLFRVSFGKGFELISRVEIEDSSKETLLR
LTAMEIVVDSREQNECLVAVGTS DGELHFVTTRIGDDGSLVSQLQDDHVKVAQNSMIYSI
SCKEEEGTKSAPRVW
>comp13013_c0_seq2; 397 909 1853 LEN=2420; minus strand; translated
MSHKRNSSAEKMDEKFIIFCGSGDRWISVWKIATDDDDVGTQVITRRLKFVQKLGPHGTW
VKALVYDDESQLLHSIGCNCIESWNC SRLSDHLQDDNEDKLLPIFHSIKRTIENCPAVG
TTLSSDLLCLCLVPPTVDSDEGLSRLLVSGGVDGRIHVWTSQYVVKRKEGNSYVDVRNPL
HIALAHDGRVNAIAFSSAMDVIFTIGNDGVL SLFRVSFGKGFELISRVEIEDSSKETLLR
LTAMEIVVDSREQNECLVAVGTS DGELHFVTTRIGDDGSLVSQLQDDHVKVAQNSMIYSI
SCKEEEGTKSAPRVW
>comp13014_c0_seq1; 533 402 2496 LEN=2496; translated
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FSHPSNRALLPNRAEARSHQEQLRGLPALSPHEPPVDGLLAALVLLAKPRLVIVAGL
SNTVAGIDGIALRGSHHEDLTXTWDFATHHPPFLPTAASTPPLATAAAAAGTTPAKEEPL
REPPPVP SHGGLNPDSLRLKLRWHKQLTSLLMGMEPKTLLSDTNASASANANSNVEPPPF
LLENIVNGRLPGGSDEGDRHQKSSTPVRPTTGNHTVGNLRQPHDES RITILPGYNAVLSR
LTSWLLFP LLFADGEYDYDDYVLKSGGPVATIGLKFLEDRSVQIDSDDDDDES DSGSGSDD
ENCDETGDDSSSVSDCDYNPSTGGGSGSTGMDPETEREFFAEANVSLSEIAEAYYAHRL
LEKQKKNPHRKRFRSDSEASEASAGLCPATSEG DDEGIAQR LDYEITQMDIARMTRNAS
RHLDVDSILRLPTISYRKKRRPVPPRTPTPLAEGPEQSYHHVCTPIHEETRAARHTSSGT
EDGWSFLMVSGVRSAAAEGPSGDLTTIADDDRSLSSSSSSSSSGCTSGGSGDDACVICLEA
FKEGDRLRVLP CDHFSFHVGCIDRWLSGTHSHNECFTAGCPTCKKRPKCTPVLARAGDPEK
ANDKGSNSERETS DGETDVSGSLPSWAFANLGSVMAMXS
>comp13014_c0_seq2; 457 402 2373 LEN=2373; translated
MDSXEPIDPHPAARIPVPVQHGGVWVSGPKAGRHEPDPAPPLD TDDANDKRNHPGGGGLPL
FSHPSNRALLPNRAEARSHQEQLRGLPALSPHEPPVDGLLAALVLLAKPRLVIVAGL
SNTVAGIDGIALRGSHHEDLTXTWDFATHHPPFLPTAASTPPLATAAAAAGTTPAKEEPL
REPPPVP SHGGLNPDSLRLKLRWHKQLTSLLMGMEPKTLLSDTNASASANANSNVEPPPF
LLENIVNGRLPGGSDEGDRHQKSSTPVRPTTGNHTVGNLRQPHDES RITILPGYNAVLSR
LTSWLLFP LLFADGEYDYDDYVLKSGGPVATIGLKFLEDRSVQIDSDDDDDES DSGSGSDD
ENCDETGDDSSSVSDCDYNPSTGGGSGSTGMDPETEREFFAEANVSLSEIAEAYYAHRL
LEKQKKNPHRKRFRSDSEASEASAGLCPATSEG DDEGIAQR LDYEITQMDIARMTRNAS
RHLDVDSILRLPTISYRKKRRPVPPRTPTPLAEGPEQSYHHVCTPIHEETRAARHTSSGT
EDGWSFLMVSGVRSAAAEGPSGDLTTIADDDRSLSSSSSSSSSGCTSGGSGDDACVICLEA
FKEGDRLRVLP CDHFSFHVGCIDRWLSGTHSHNECFTAGCPTCKKRPKCTPVLARAGDPX
>comp13015_c0_seq1; 343 78 1985 LEN=2257; translated
MTRIWSLEEYCSKQAHLLNDS ENGVPTTSAGDDYWSSFLGKNDLEANRKFFLDLELPTVH
PFCLDSGEIFEFDASIPPMGSLNLLGEIWSAGHSNESATRMESFVTLWYMVAPALLAMAE
LWLRFLAGLIGPIGIAYLAVSPPLKATKRTSFAIVLTVGSSLILMTDTLYVLHNGPSYGA
TLFLASVIVCTRLCWKHNRLASVIVALLVILSAHLVHFHFDGELVFGSPVDEVKLEEGLY
FDSKNTLVSRIVERWSENRYVDVEHGATTWMPGTGDSRTGLPFMIHKFHPDQYPSWNRV
LKVQDDRDPVSEYVSLDVSPFKTTGHDSRKP IYFVLHGLSGGSQEEYIRDLTIRRNAEGS
TVVVM IARGMMDTPIRGFRFFNGARTSDAHEAASVLRRLV LGSEQVLV GAGYSMGGIIISN
YVATYGSDCALDAAVAVSGGLDMRYQEDAFRTQRLWQPLAGTLRDEFLLGKFGHRVKEK
LTTIEYLKVLRSSHITEIDRYAVVPLNGFDDLDHYYREMSALGDI PHNPVTNLLLED TNKT
SKIHSIAIPFLVVHAFDDPLITWRTTIQNTGFMHPANLTKSGSGYLMMLLTKAGGHVGP
LGLWPTENKWKWMSDVVMSFAQSVHESKMEGKELS
>comp13016_c0_seq1; 333 538 1809 LEN=2110; translated
MPCNHILEETANDKKKIFPSYQCFVSKNRVQCQEDAIEGKIFCVECFLFRSRKHPSTFDL
SENSGRSETEEDSSCCSSDTETSF GDSNDSEHSNGSDDYDSYCTAYTHQQFFNMWKNFE
RKTERMDEIEDTKLIK RANNTIDPTD TDGQVKAQYGRVLP HAMKKLMKILELGPDDIFLD

IGHGVGNTCLHASFCIGCDSRGIEVVS DRHEIAEKFRGGMYAEHKGAVVSRPKVGSVDLRLGRLEDPSQKDFLTGKVTRAYVNNFNGVFAERSSSKNNDKWFLDDYIAGLFASMAPGAIMVTFHPLNLGLNRSSTNELRTRHELEQSEYASYHSEKILLGKAWNSVKWNKRSGNTNDIYIYKYRRLAQP NHDDAVFLCCNP TCKLAIDMKPI PATTLNEDGRCVINHCECRFSPKNLRKRNK

>comp13016_c0_seq2; 809 317 3865 LEN=4166; translated
MNDIFGFVKSVGKSIFSPGNSSENSKTPSSPRDEGNSSDNLQAETTSPMRGPAHIPGITVPLSSQKVLKTNESPVIGLVSTKDQVIGGDGRCDGKEDTGRALRIHGRSLEANLKTIRKESAEERCNVTDLKTPTSPSTKSPSLATSDTSNVYFDEEGNGEGKENAAATTSVTTTSVTIISKPFEDPLETSTVTFGNTTDPKSSLLASTKPPPSATTTGVSQKRRRQLFMNDGRVSAFLSSSPSSSSNGIRVENQHDKKHPHQHTSKEIISISRSTLRLPRNETIHGDVFAFPVVEEGKDQQQLGKRRDPSPDVSIASKTSKRPRNDDSLKSLSESIKSGGPEENDLNSDKDDKPSVDDPVSGPEKTQHLPKVAEEKEAQVQSPEKIVPEFRLPELVPFNPNPGVCDYGVIRTSRLRNRTKKADTPEDILYQNIQGQRRCRATKDGLAMTGDLLVSNRCLNCAEGVFKYCHNHR ELDPDQKLYWERRKSTNANSNSCGKSWSTVKSNRKTKMKKKMPTSARTKEELSIKGEANSSHVINNLKQCVYIVGKGRQLKRCMRNSLNTHPGFCAWHYGSAPPHQGDKFFQEEPSTMR CIGITKAGTQCRYKALNRSVFCCKHINFPPPEKVSSAEILPEKCLKYGDRAQSSSERLGSITGSAKLSKGRGTGGNNAALSKNSECDSTTNSRSFFSGSGKVPKNI EFKREIKISTHKL ELATSAEERCNFIYNSKRCSYKCMEDSAICFKCRQCHEEKMPCNHILEETANDKKKIFPSY QCFSVKNRVQCQEDAIEGKIFCVECFRFLSRKHPSTFDLSENSGRSETEEDSSSSCCSSDT ETSFGSDSDNSEHSNGSDDYDSYCTAYTHQQFFNMWKNFERKTERMDEIEDTKLIK RANNTIDPTD TDGQVKAQYGRVLP HAMKKLMKILELGPDDIFLDIGHGVGNTCLHASFCIGCDSRGIEVVS DRHEIAEKFRGGMYAEHKGAVVSRPKVGSVDLRLGRLEDPSQKDFLTGKVTRAYVNNFNGVFAERSSSKNNDKWFLDDYIAGLFASMAPGAIMVTFHPLNLGLNRSSTNELRTRHELEQSEYASYHSEKILLGKAWNSVKWNKRSGNTNDIYIYKYRRLAQP NHDDAVFLCCNP TCKLAIDMKPI PATTLNEDGRCVINHCECRFSPKNLRKRNK

>comp13017_c0_seq1; 990 152 2701 LEN=2701; translated
MSDAEIPPGNND EAEPEESLKEESDEASVDTVNKMTRCQR IWLGVIIAVVLLVAIAAICVAIVPEARRMKS LNKKKNKIPTVTTSDLFEIDESI FFSNSTEPYDSIEEVQKDI EGMVMSM VNKIILNEANGDEEY YDDDDGFMFRDALFALDSGAEFADFSSAASPAVSTEAI AVNRES DG VFEGITDFD TYQOEAGAVKNDLVKSNGDYV FVGTDNRI LVWNLEGNLTDEVEIESDTVSDDDDDDGFSRWISKPHIQALMMNEPGETKLIVVTDDPGSYRSRYANSESGDYLDIDV VSSYSKTRII VYSIAEGSLTELSQSKIDGEHSDSYTVGNVHI VTRMNMQTWEILKEPLSRWRI DPRYGMTDEEYATAAMRRAEEEEIIPQFVEKLVQFVTEDEDEILLSRFTSFPGSMADYDAIA QISSFDVSIIDSTNDIEVNASKSLILRPGTNGYVYATDDWIWVSDQASIFSVDEQKQVQQTMLLGFRLNGASSSFAAVGSVHGFLNQFAIDFVEDADSGKEYIRVATTQDFGSLPMMWLEMWRFDDLIVREEEEDMSRTKNEIVIFEV PNVEDSDQGIS ELIEVGSVEIGKKDETITAV RFFDNLSYVVT FERTDPFYVLDLSDPTNPEVLGELEVPGFSEFMHPI TDDNSMLITV GQNADEEDGVTTFGQISIFNSTVPTDPKLVDRFLLENQRGDSWSGSSASWDERAFRYVEVGD LGR LIIPVDIYFHGW DQFGNRLGDDFQGF MVFGIDL TQ TENMITREIEINHAENSASTGFPF EIFPARD CFCGFHNIYLPERSMLFDGKLM TMKGN SVINTDLVSGQSLWDL SLSHPEDNSC CDDMMFDDD

>comp13018_c0_seq1; 341 360 1511 LEN=2595; minus strand; translated
MGTPNRDQQKRRKRHHNMLLRYFFF AVIVTRVLFLAFTQPLKVATDQRLESVWEGFP EVK TSTSPDIKEGAASALDGNKLLTAYLEPTESV TYTDKNQKLFVRNTSMSSLQLVTFPNVNN CSSLMKNFPVDEFPLGDPWLPWIHDYF PSLDGKSRLASSFEEATHNATRFQCRFHHVGTK ITTLSVFPFDY EYISWRKHKKAMIGPHGGKEQSMVWLSQLL FACPIPEEFQPLLLPPLTI ESSKKQSAVNNDQPALYVDLIPIRTPVRSNDELLSLCRRSSSLHLSPIKSPMQLSTIGAK ERNQP HRLVACTWVSAS YQRRGDIYTVSDSAKRLREWIHFHLMVGM DHIYVYDNTNRAL SGNSSVIYDVTRSF RPDQV TYKAW

>comp13018_c0_seq2; 341 360 1511 LEN=2792; minus strand; translated
MGTPNRDQQKRRKRHHNMLLRYFFF AVIVTRVLFLAFTQPLKVATDQRLESVWEGFP EVK TSTSPDIKEGAASALDGNKLLTAYLEPTESV TYTDKNQKLFVRNTSMSSLQLVTFPNVNN CSSLMKNFPVDEFPLGDPWLPWIHDYF PSLDGKSRLASSFEEATHNATRFQCRFHHVGTK ITTLSVFPFDY EYISWRKHKKAMIGPHGGKEQSMVWLSQLL FACPIPEEFQPLLLPPLTI ESSKKQSAVNNDQPALYVDLIPIRTPVRSNDELLSLCRRSSSLHLSPIKSPMQLSTIGAK ERNQP HRLVACTWVSAS YQRRGDIYTVSDSAKRLREWIHFHLMVGM DHIYVYDNTNRAL SGNSSVIYDVTRSF RPDQV TYKAW

>comp13018_c0_seq3; 341 360 1511 LEN=2667; minus strand; translated
MGTPNRDQQKRRKRHHNMLLRYFFF AVIVTRVLFLAFTQPLKVATDQRLESVWEGFP EVK

TSTSPDIKEGAASALDGNKLLTAYLEPTESVTTYTDKNQKLFVRNTSMSSLQLVTFPNVNN
CSSLMKNFPVDEFPLGDPWLPWIHDYFPSLDGKSRLASSFEEATHNATRFQCRFHVGT
ITTLVFPFDYIYSWRKHKKAMIGPHGGKEQSMVWLSQLLFACPIPEEFQPLLLPPLTI
ESSKKQSAVNNDQPALYVDLIPIRTPVRSNDELLSLCRRSSSLHLSPIKSPMQLSTIGAK
ERNQKPHRLVACTWVSASYQRRGDIYTVSDSAKRLREWIHFHLMVGMMDHIYVYDNTNRAL
SGNSSVIYDVTRSFPRDQVITYKAW
>comp13018_c0_seq4; 341 360 1511 LEN=2720; minus strand; translated
MGTPNRDQQKRRKRHHNMLLRYFFFAVIVTRVLFLAFTQPLKVATDQRLESVWEGFPEVK
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CSSLMKNFPVDEFPLGDPWLPWIHDYFPSLDGKSRLASSFEEATHNATRFQCRFHVGT
ITTLVFPFDYIYSWRKHKKAMIGPHGGKEQSMVWLSQLLFACPIPEEFQPLLLPPLTI
ESSKKQSAVNNDQPALYVDLIPIRTPVRSNDELLSLCRRSSSLHLSPIKSPMQLSTIGAK
ERNQKPHRLVACTWVSASYQRRGDIYTVSDSAKRLREWIHFHLMVGMMDHIYVYDNTNRAL
SGNSSVIYDVTRSFPRDQVITYKAW
>comp13018_c0_seq8; 320 360 1278 LEN=1278; minus strand; translated
MGTPNRDQQKRRKRHHNMLLRYFFFAVIVTRVLFLAFTQPLKVATDQRLESVWEGFPEVK
TSTSPDIKEGAASALDGNKLLTAYLEPTESVTTYTDKNQKLFVRNTSMSSLQLVTFPNVNN
CSSLMKNFPVDEFPLGDPWLPWIHDYFPSLDGKSRLASSFEEATHNATRFQCRFHVGT
ITTLVFPFDYIYSWRKHKKAMIGPHGGKEQSMVWLSQLLFACPIPEEFQPLLLPPLTI
ESSKKQSAVNNDQPALYVDLIPIRTPVRSNDELLSDKLSAMRDIAIGSPYLNDVFGQHNI
IPSMDNX
>comp13019_c0_seq1; 337 1 1205 LEN=1227; translated
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GGQEQSPFEAVVSLVVLVVPVPGPGQETAASALESRAAAEHHTTKTVATRASSAVRESAKK
ATEKAQRAASETLEGTQRAARKAGEKAVKRASDTASAAKREGSRRLSEGAAGVSRAAGEA
ISSRMGRAGQKLSEGLRNSTGETIARSTRAIGSGVEEQRRAAAAKAEI SESTKQLK
ESVAVTGKKALSFWFWWSLAAVVFYGVASTLPMAI IKYTMEEKRRKWRERPESETNDEGGE
GSGQDAHRTDRSQHIQE EPSINAVGWDTFFGASDQSESKKD
>comp13020_c0_seq1; 385 1 1816 LEN=2163; translated
XNRRRNSLTGGTCHTRSSDPNPNHRSTKSLPLRELTDGGSSSSSSNLSQRSSRSTRSTR
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SSRKEGRRSARRKYRNESPSRLKRRSVTRDQRKAMLRSRSRDSNDEDSILSAPPERARS
RSKGSTRAGRTAEGGSGNAGTKLRVRSKASLAGGDEAPSHSESEDEGTTSAHSRRHRSQSR
HRHRSQSRSRNDGDGEGGRGRSSESDDDKDHSTHRMRRARSTSKGHSATVRRDRSKSRTA
EGTGERRRTRSGTGRVRSAAARSRSQDVGDRDRSYRSCDFSCDGEDTRSVASSKAGTTR
RGRRRQKAVSASPTRGGLSLGDQLNHLNANRPGGRSEGNDEL SHVTEESSLRSGSKAQPI
LLQFDPTRDDMVHAVNQTRATKTSDTIHQADGKSSRLEISKLDGLLPTFEKPRSAKSDWN
GTSDETESTTRFGSDGMESETNPGQANNKLSNLVQAKKSAFLQKVQKQKDEVKERIEKAK
KSTDDVKEKLRNNPTIIRLGLKPKKDDSGQKDGDDSTAEDAALLAWKEKIQCRSREDQN
SHLPI
>comp13021_c0_seq2; 233 652 1116 LEN=1864; translated
MGVAGILGGALLCAIHGATVENTLFEEDGAANTFRAFTPTQSEETYSMVTANRFWSQIFG
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ILLNEGIRSWMAAQDQPHENFVFPEEVLPRGNAL
>comp13021_c0_seq3; 233 652 1116 LEN=2367; translated
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VAFSNKRWLHFFMLFVPVTGMWTSAVGIVGLALNLRAYDFVSQELRAAEDPEFETFYTKN
ILLNEGIRSWMAAQDQPHENFVFPEEVLPRGNAL
>comp13021_c0_seq4; 275 652 2469 LEN=2469; translated
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VAFSNKRWLHFFMLFVPVTGMWTSAVGIVGLALNLRAYDFVSQELRAAEDPEFETFYTKN
ILLNEGIRSWMAAQDQPHENFVFPEEYHVETPFNSSIAGRDIESTGFAWWSGNARLINV
SGKLLGAHVAHAGLMVFWAGAMILFEVSHFVPEKPLYEQFICMQHLATLGYGIGPGGEI
TTTVPYFAVGVIHLISSAVLGGFYGIIYHSLGPDTEESFPFFGYDWRDKNKMTTILGIHL
CLLGCFAFLLVAKAMYIGGVYDTWAPGGGDVRMITTPTLNPIVIFGYVFRSPFGGDGWV
SVNNMEDIIGGHIWVGVLCITGGIWHIFTKPFAWARRAFVWSGEAYLSYSLAAISLMGWT
AALYAWYNNTAYPSELYGPTGPEASQSQAFTFLVRDQRLGANVSSAQGPTGLGKYLMSRSP
SGEIIFGGETMRFDLRAWPVEPLRGPNGLDINKIKNDIQPWQERRAAEYMTHTAPLGSLN
SVGGVATEINSVNYVSPRSWLCCSHFVLAFFFLVGHWWHSGRARAAAAGFEKGINRANEP

VLSMRP

>comp13022_c0_seq1; 299 83 853 LEN=1454; translated
MVRFRPPIVLFGDSITQFAHGESPLGTPVTVGWASLLGSAYQRRADVLERGFSGYNTRHA
LGVLPRIFFPGGGGSARPLFCTVFFGANDAVLPSSTSDSGRQHVPLDEYAENLRAILAAIR
EATGAAGGEEDAPVVPVIVVVTPPPVAERWREVLGAYDHCDRNLAAARRYGAEAKKVASS
MEDCPVVDWELLGGDDPGVYRQHLC DGLHLSDSGNRLVYEGILEILRTGYPHLCPAEDG
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>comp13022_c0_seq2; 285 270 1046 LEN=1064; translated
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>comp13022_c0_seq3; 250 270 1774 LEN=1819; translated
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VHRCLGLGHKHEQRMVGGATTSTASVTP IVS RPNTNRVIALAIILQASTSLAGATFHRFA
RTVANYLEARALARAERGDRAERARAXGRGGPDETGCPLWNREQQSARADQGVQAADRGG
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>comp13023_c0_seq1; 894 357 2813 LEN=2917; translated
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EAKARVRERLRHSSKFSGREVPMIGVSACTGGEKVA AVRGEDESGSASASAGSASA HDLVK
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ASPGSVRWVSGAIALVRKIVPHYKGAF LKNRARYHVS VGHSTVMATVTFWGAKELWTETQ
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LLDSL PNE SIDFPGETKDQSQTHSTHGANGGTNGSSNTVNSGGEQEALLHWA ILDFQTPV
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GGDLFKKETLLRPFLGMKLVTHPGGDV GELQSGFGTSGKFRVTFPAGTMAREGDVLR LPF
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>comp13023_c0_seq2; 981 1 2804 LEN=2908; translated
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LPNES IDFPGETKDQSQTHSTHGANGGTNGSSNTVNSGGEQEALLHWA ILDFQTPVYCP
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FKKETLLRPFLGMKLVTHPGGDV GELQSGFGTSGKFRVTFPAGTMAREGDVLR LPFKRFL
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>comp13024_c0_seq1; 362 141 1430 LEN=1651; translated
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E DSVRLLECYRPAKIMKQKSKVLIDAIRSLSCATNIGTTDENGNAGDDRNTWGYPR LQIP

TKIRQIDSDSKLTKALGCGDISILALSLLGWNPIPNKTGKKSAGTVSLGCPFCLSIMTVN
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>comp13024_c0_seq2; 302 268 1290 LEN=1511; translated
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>comp13025_c0_seq1; 963 1 3209 LEN=3247; translated
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GNINGSRSGIYRKDRETTPIGATAATKQIPTGFYYPERSRETQVLRVSEALLRRSLR
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IVSNSRKTLDQLNGFEIGREWHKTFCLLSVFHSLKFSGFGVLQGKCVFYRDL
CXVSYNETLFFSFLSAILLTLGFPEPLKNWTNEQVFKFIHLMWNKH DENKNF
HSDLERDLPLSFLSDPMSGVDDSCSNDAQGLEASVVVEVARRYFDSL VANGIDV
TSRRPSNLNHP SIGSPLATDAII IESSPDNSRSLNPSNDEDK GSMQVKS
FVAPPEAKTKKQEMQDPARKKIIVEWLC SNTRPLKELANAPFNSHELWKLH
QFYFTPVVKE SGGSSGQEQEADCNLI ISSVPEVHRMNNNGSANLPPTPS
VDDCPTVPMSDPALSGPATSSSTLLKRKVS YRCLGDANSNTEPQLVRS
GTSNNISVAKI IENRHS GHSLAPKSKRARRNRTRISFLPRVKAKLDSCL
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DLM

>comp13025_c0_seq2; 998 1 3063 LEN=3101; translated
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STLRELKVDNMIIGDRGAHQMAAII PAMKVIEWLDVGFNSITTQGLTVLMKSV
AESKMLLSLSLSGNAIDATAAKSVAYALAYNCSLRSFLVHCSIGH EEQRHIAAG
IVSNSRKTLDQLNGFEIGPILLTLGFPEPLKNWTNEQVFKFIHLMWNKHDE
NKNFHSDLERDLPLSFLSDPMSGVDDSCSNDAQGLEASVVVEVARRYFDSL VANGID
VTSRRPSNLNHP SIGSPLATDAII IESSPDNSRSLNPSNDEDK GSMQVKS
FVAPPEAKTKKQEMQDPARKKIIVEWLC SNTRPLKELANAPFNSHELWKLH
QFYFTPVVKE SGGSSGQEQEADCNLI ISSVPEVHRMNNNGSANLPPTPS
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GTSNNISVAKI IENRHS GHSLAPKSKRARRNRTRISFLPRVKAKLDSCL
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DLM

>comp13026_c0_seq1; 783 126 2579 LEN=2681; translated
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HHDEEY EKSTRVPSLDLSPGSSRTSPIQS QNPVVAKVLSSENFLSIDAAKNAKY
SKDNSDFVGRDSLEIDTAIMDKDHKENS GKSASTTVITRTRMNSISSNANGSVCT
SDTPKHQKKKSNIKSKWLDYLN SVQESNYDTDKQMEEFVKVPKAVEALLGFGFWI
SVDSFLYTLTMLPIRFAYSIALLLVWVYRKIAGR PAGSFQFHRHNSYHVIQVSI
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PVDWGKFRRNQ EYCLQKIQQGQFVQNCRLRHLRAIQALSVPDPGPDAER

LAGNGPENALQLPVDVRDHLVAEWLSDWLKHSFITKFNFIASSVYSEYSLLLAGDVSFGF
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>comp13027_c0_seq1; 369 1 1537 LEN=1581; translated
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SYFLPFIDLLEHHCITYHIPSERDYRRLLSNCSFFFIRLDSGTDGRIDTEKVDALVKELA
AECVSKGGCRGAKTQPRSVLELVGFNRSLTIRQAYYGDEGRLPPRMARLSFEELCDADL
GAMDYRAIANAFEIVVVENLPAMDLEGNRRARRFITLIDELYEGKCALVCSALDAEAPTD
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>comp13028_c0_seq1; 620 31 1029 LEN=1260; translated
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YIGDLMKAAKIRERERDAIFERKNALEQAEDAQGDYLGKEKFVNTNSYKRKLQERKLWEA
EQEERNREEIANDVTKKSAGTAFAGFYGNLTRSTMMEQTCDDDEENTVIDGGNASRSSEVG
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>comp13029_c0_seq1; 474 219 2005 LEN=2005; translated
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VICFELFFVLKDFVDEVLNDLQDLENRDAHSRKTNSGSGDFGNNRKLVSLSKHSVKKIVDWL
EQKGADRLPPPSVAPAWTLAMAQELYKCNLSLAGVERILLQITNAEAEFLGSCLLSSDN
MADVNDDIGGLFAAKSAYHQLLVSSLSAWRSDCDDPSVNRNNSPYTKFVAKGNSNNGMVL
WGPPGSGKSLLLRAIAKSSGLPTLMVTPALMQRTKSLEVLFLSLIETLGSCAVVLDLGL
FLVPPQGNENASTRNRNEWLQRWDDVSARPSDDGRGLSKRCVLTVAATNRPWDVDIAAW
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>comp13030_c0_seq1; 868 152 3248 LEN=3291; translated
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AVALLIPTKQNNVSI LSQSFMPPFTVDRGDYDGPVEGFIDTNLFAPHLVRDGGAVVSAL
SNDGESGQPQHSQSFSFPFTGAFWTLNVVDPQGNKMSYPIAVYPFAYRWSPSSLRVSY
PAAHRLKDSKSVVDAFLPELTLTTHEEITKRHIVDYDPLSVSLEFLSSGNKSWETSIVQ
SPYITIVYTKQTPVFTPLSIFSDVQCPGDDVEDFASFVEENEDSDSRKLFVCSIDRSDT
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>comp13030_c0_seq2; 907 152 3154 LEN=3197; translated
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KRTTMRGVQVFVFKTPEGVSWFMFASEPINLVFDKLTMTTISTAAPITGVIRLAYIPKTD
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>comp13031_c0_seq1; 494 1 1349 LEN=1393; translated
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>comp13032_c0_seq1; 515 167 1858 LEN=1940; translated
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>comp13033_c0_seq1; 506 435 2552 LEN=2677; translated
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GEAVNFATHDWIYHGSANERYRSFARPAVFSHDLRTFTMAHHLDEQKSYKNCSLL
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HICFFSAVACECSRSKVSLRHSYMCRCPSERRYLMMVWSPEEELTKTCERVRNRCE
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>comp13033_c0_seq2; 326 150 905 LEN=1030; translated
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>comp13034_c0_seq1; 2608 114 10232 LEN=10342; translated
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KLTIRIATNPHESLKDDYSKEKSSDSMSTTAEQKSGNEIEPEEYASAVRADRLRQILAYQ
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LYGGHDERAIMHRNIESLQKQIENEENRIGLKSQYALSTPIPKAEGEKLEYSVEDKTA
EIEREKMIENELREVAEDFPEGNAVTKRCQVVVQVLEAVGLISSDFVGTCPNYCEIFYKG
RSRSRKHFQKRRNRKRYFIEKTSNPKWNDQYFVFDVPEEAIGVTRGHSIQIVVRDFRI
MGQHPILGQASMHCASIRNQQELVGGWVPLVGRYSNGTEVDTGRGSIKLRVQWIYTL
SAMI
DYYSLLSQRRLQVLIKTEKGMQEQLKSANDSFERKRESMNKLPGRHIANLVKQKKNFLQ
KENSTKREQP NREKNSKAKLNGPLNTNFLHLKETLKSRTQSLKALTIKTVESRRKRRVE
SDEIDYDDIKL NESNRI LKMGQHSKSRSDSSQSAEHTPPTPRNKRTKSLGDDFAQQRSSV
RTRRGTK EWNVSQHI SHRKLSLDLDESSILESVIMDASNQRQSMGRWHDLES DPGTSDLL
SMNTDTQE QARRNDIARLNILGFVFKSGDFFHEDHLPNHFRLLFAGSTEQRQSOLLY
RRRQFVGTSSVIRHFKNWQAAQALLWDPEVEVIRVESGFHVGLIHEGNRNQSEETKNMS
NSNKSVISKNLCPNEAPRVTIERSKDRIETMHL SRNLFRSCRRI LGCVLNPGGWLTVR
PIAAMNLPDSYTGMYVKVTHGTEVQISETVDAKVSPKWSSTRLAHKGRRKTSLTQLPDTT
AAADFEFCENDLHLQVEPQQTGG SIRLSVVAERYKTKVELGVVHIPLGAAIAACIDTAQS
IEITGCGKENEIPLYTRWFPLQEPQLIVPVAGDMGLCTRSREQE QPRDNMFQQYFAPCIQ
LSLMWWPYDQNIENQNP GDVKNGTPTVSDANSSIIISRI TRIPTIKTYFNADINVSVAL
IDSVRAVELLNLSLREIDMKYAVTRAKTRICLVVGIQLDQDDNSREP VVFAPTSEYP
QPTLQFLALRDNLRTKSNIMSYEYVGLALQEMDLTVEEPRVYELWDFFMVLSRKRKMKR
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INLSYVKGKKQNFELSENSMYDMHDFTMANGGGQDSRNDLKKNDQSEIFMKWSQLTSDQD
TALGTAGLHNLPGIIAAVFPVSDAPIRLQGLVQHVFE SPVEIVSSLKNYYTNETLQV
YKIIGSLDFVGNPTILLSSFM SGVKDLVSAPTA AFMKSPSDVKQVIGVKGKTVSFLSHS
ASGFFGF TARLFSQAGQIAALVSFDSYRQWHRDRVNEATNLERVWKRGRMPKVEEIML
RPIADVVLGFTLVGSGVVVAPYRGAQKAGAKGFFT GAGLGIAGLVSKPIVGVFDALMHGS
QSVHDI AKTINFLERRYQPI LKLRLPYVFGPMKILAPFD PNSARSVYLLR LFPKTKLKY
RKDKGQEFHIHSEVLEMEPGVETFTIITIRIVLIKVKRESTKATTTLSPYFGWEVDLSS
GATISSQIADHGNGVALTITK CDDGPRTKGGRRDSKTQTERTRNLLPTLGEGDEENEIT
REMGEDFQEAELDSMPRNSSTLVKPLSESVTSGIKQQGNKYLEWYAVLAEHQQRKQLNRI
HNAISCMVGAYDEIIPDRPIVSQKYVGN DAGNTSFGIYNFEKGLPDGAAQLSNMKLIAS
LEDLYWIEDDLVQRI SNIESPSRRQRALDKVRQTWNFSSAMIVSKNIGGPQWLVRARAKA
MSVP SDAKNVAEHIDGAPLSNR TLNEVFKGYSFDHDMTSSTSGKMSSETLDKMLQGSTQS
SVDQLSGQGSSIEV KRKQDSIDSSNVIENEETEEHFPGDSGALTYSNNSLGHSSSKEQLV
EDSIRRNESENVFCSPDALGLPMS SVDQSNEQSNQSTRDDGTNINRMDEVDFYSPINGV
IKDDGHVDLFRSCNSLNIHPPPPVASLNI PQDNVSSNLS SHEAERHVS NLGTASEKNNI
SATDSNDTTRIDRLEGILEQLVILNAAQVRREEMAAAESMYSRHHTNVSEAQSVTDHLR
QELGEIREK VDERAREDDSLRNEISMLRSQLADRRAPERRSWASTIGLHEIANRNARSNF
DRQRPPPINTSLFPNKKKKK LIRGILSGHNKAKTQEQE QTEEHPRMLEESFDDTPEPPLG
LDDDDGNSAVYF

>comp13035_c0_seq1; 139 1 447 LEN=928; translated
PNIFLDKSNKLTGHRPIFCVKAHYPPLEMLVKKHMAEYYELSTHQCSREQQAFNNYMVD
LVKDVA DQQEWFADSFCDKSLRDRIRCYYKTHIQNAKKRLRTMVRNPTKKANARHLCEH
LDLIQKHRVEEGTSKAKPEQGNEKNKKK

>comp13035_c0_seq2; 592 93 1868 LEN=2349; translated
MSGNSILARASEGDNKTGTEDEVENELCLSSKYNHDLVLT PRTEASTPEYLDPKTNSVSS
SDGINCVIKSPRDASSESSADEEQDLKLQRHMSQTDNHICMLDRNGDLNEVAGSQSMLS
QELMDHGNDHSDSNNSGDEEATETSTAPCLLEDLGLKKGSP ESSI GI AKRLGLLPHTQE
EGGEESQDEDEGLYARHKTQSHRVQVLKAVDDNKQVEEDQHV GSTKTS PRNDIVDKDYE
FQFQKTEAARATRAISSQRLLDSSRKTPI SGLELLTQVGIKEANKAAAMT SNGHAIDN
ENVSNAKIAVAAMISIPKTTVYPNEGFGSLLDAVAKITEQEASGLDCSMDWVSSQASNDA
PTRTKRVKRRKPPVDSKGSTTKVQRKSETQKLKEKIRREKIELENERAQATAKRAAIVA
EHTTTDPVIAKLLLSMALARENPRSI PKTLPKGHVQKSF FWAHYPPLEMLVKKHMAE
YYELSTHQCSREQQAFNNYMVDLVKDVA DQQEWFADSFCDKSLRDRIRCYYKTHIQNA
KKRLRTMVRNPTKKANARHLCEHLDLIQKHRVEEGTSKAKPEQGNEKNKKK

>comp13036_c0_seq1; 441 1 1737 LEN=2334; translated
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KVFFSFSTSMSSFREERSTVDFAPPQTSQGLQKQTQKQTQVQTQVQDASESMHVRPFD
EGNIGIVSKKDPSPFFRAFQEQIDSMDDEARCDRYQFKLKSKEFRRKRPRRIFFGALVA
TETWELFDIVSTEAYGIYDGIVLVESNRTQNLHPRNLTHYNQEKHEAIIIGELFGVPSHS
AKIRFWSNEDEDLSDLPRESAQRDDVLNGWRELGMQPDDVGILSDMDEVLTRDFLRAIQV
CDVIDEIDYRSHGCRPDKMGLRVTQIYEGSPECVTDERYGFQPSVFSGHCIIEGIGDPSV
HKSPPRNREGDRLGGWGQSDWDDSKPYTPSANGGDFRTTGGARNINLIVPERQLKTKRHY
NVYTAYHFHNFSSKGSTIRFKYKTYGHPNEDANLVPLQELQSDLAIMVYCAKNEADPEEA
EFHRVVGGFESLDPFTPIYFQDAEYRFRRQEFIQKLVRRDENDQKKRREEMEERKTAAL
ANRLQRFGNHLRMAQTPTNLDLAIQKPAYPESTKVS
>comp13037_c0_seq1; 539 1 1423 LEN=1494; translated
XSVQAPVPERTLPIRKRQTPASDPGRRTTQRGRWSKASKRTTATGHCSKXASKSDEEPA
LRSQPVGVGQQFLPLASVPRIAMPTPGDARTGAEPVVRDRVEETFELLQSAKKLESESNY
WLATENFVKAHELLTLLAGEETAGAEPSTGAERISHLYATKAEEYKKSRSKCLIRAMEQD
QSGDDRVREADTEKNLLGDDEARARNHSFVLFVSRPVAVSVSASVSEGPAGGDPLPATND
HGASGPLGPPERDTRPHIGDEGLDLEARLRALNQLPSGYKSTDERVSDVKKGLGKLGLSL
YAEQPFSSRFEDVPEKSEDEQIDDIQAEEDEAAAFERRSRGGDTDTVPASGGRAESCEP
CGDDCSSSEDDGDGEEDLLDDQLAMKTIQKQKVASAQAKLAELAALLDRARSKKAMDEA
DEEEVFRNDFDSEDDDEDDSCRVDVRQHDVAFLMGTGRKLLKSAQRDMRKAMAEW
>comp13038_c0_seq1; 422 126 1592 LEN=1767; translated
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NEEDEGVPAKEYRRLSFDSELRELMYGEDDNSQKTLFGSTFKMVVPSSSSMEFDFLVSGI
RDAQRRTLLNRRFYTAREPFQQKNIFEPCCLEDLKAPPSEIKDAIWIWVVPYRLLSFLVP
YFIFPYFIDFLDRFVTMAPEQLSGITDKFGPGVAILYGTFFISLTLAILYERQORDIQKVA
VEASLLALITRNILHIFRDNEALAKRAGQGCADQIRLLSVASRGSELLSIVYADPYSIIL
ETIEEHERALMEENAGVLDGESGMIDGCRQTLQELFTIRGIRLSDESLALPQTHFLIMTI
LTSFILLGYAINVLPVAVTLGGASAESC VVFGLLTAIYIIFYNFAQDLNPFSGIYQIRR
SSTA AHL LQAKWLLVNPLTKDHVDFDGPDPDEGEVVLVHTPGIGEVVFP RDEIYPELKH
AMRKLEKE
>comp13038_c0_seq2; 422 126 1592 LEN=1809; translated
MTTLYPSFLSAVSILTLLGVNCSCFIIIESQINFRKHVRQQTHIVTSSSTKNGEPPFFAPNR
NEEDEGVPAKEYRRLSFDSELRELMYGEDDNSQKTLFGSTFKMVVPSSSSMEFDFLVSGI
RDAQRRTLLNRRFYTAREPFQQKNIFEPCCLEDLKAPPSEIKDAIWIWVVPYRLLSFLVP
YFIFPYFIDFLDRFVTMAPEQLSGITDKFGPGVAILYGTFFISLTLAILYERQORDIQKVA
VEASLLALITRNILHIFRDNEALAKRAGQGCADQIRLLSVASRGSELLSIVYADPYSIIL
ETIEEHERALMEENAGVLDGESGMIDGCRQTLQELFTIRGIRLSDESLALPQTHFLIMTI
LTSFILLGYAINVLPVAVTLGGASAESC VVFGLLTAIYIIFYNFAQDLNPFSGIYQIRR
SSTA AHL LQAKWLLVNPLTKDHVDFDGPDPDEGEVVLVHTPGIGEVVFP RDEIYPELKH
AMRKLEKE
>comp13038_c0_seq3; 320 126 1306 LEN=1339; translated
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NEEDEGVPAKEYRRLSFDSELRELMYGEDDNSQKTLFGSTFKMVVPSSSSMEFDFLVSGI
RDAQRRTLLNRRFYTAREPFQQKNIFEPCCLEDLKAPPSEIKDAIWIWVVPYRLLSFLVP
YFIFPYFIDFLDRFVTMAPEQLSGITDKFGPGVAILYGTFFISLTLAILYERQORDIQKVA
VEASLLALITRNILHIFRDNEALAKRAGQGCADQIRLLSVASRGSELLSIVYADPYSIIL
ETIEEHERALMEENAGVLDGESGMIDGCRQTLQELFTIRGIRLSDESLALPQTHFLIMTI
LTSFILLGYAIVKFSVSVFFSMLHVRFSFIDDQ
>comp13039_c0_seq1; 123 794 979 LEN=1132; translated
METARDKREEGVDDVKSSWPLRVGLHTCYNGGDNGLIPKSHLSSDWGLQLDPMKSESLVI
A
>comp13039_c0_seq4; 16 1 215 LEN=982; minus strand; translated
XLPCYDFTLVNSTLDILLQKVRVTASGITSFHGVTGGVYKARERIH RAMADARLLAIPA
SWSRVADSNPN
>comp13039_c0_seq7; 16 1 215 LEN=506; minus strand; translated
XLPCYDFTLVNSTLDILLQKVRVTASGITSFHGVTGGVYKARERIH RAMADARLLAIPA
SWSRVADSNPN
>comp13039_c0_seq8; 123 794 979 LEN=1131; translated
METARDKREEGVDDVKSSWPLRVGLHTCYNGGDNGLIPKSHLSSDWGLQLDPMKSESLVI
A

>comp13039_c0_seq10; 49 1 216 LEN=507; minus strand; translated
SYTFPYSYLVSTSSKLPISQWILLKSSSETDSLQVTGGVYKARERIHRAMADARLLAIPA
SWSRVADSNPN

>comp13039_c0_seq13; 49 1 216 LEN=983; minus strand; translated
SYTFPYSYLVSTSSKLPISQWILLKSSSETDSLQVTGGVYKARERIHRAMADARLLAIPA
SWSRVADSNPN

>comp13040_c0_seq1; 426 191 1477 LEN=2535; minus strand; translated
MTKFPSTIVQALAASAFFSGTSLSLSPFSSKSSTTSAKT TSAITDLMHEAAVAETERL FQ
FYSSNGNYNTENTENNNYPTKIEASPVITSPPTVWRSSEEAVTYIRDNI DTVLFD CDGVL
YRTTSLCPGASECIRELMEIHKKRVLFVTNNAGVNRRELREKLSRLLRIDSLTNDQMISS
SYSSAQYLKSELMAASKELGSTTTASSTPPRVHVI GSSGLCEELVAAGFNVTGGPSTSSP
EHDECCSMSREELAAYDFEQ LHPIDALVVGHD TDLNFRKLCIAENLLLRNPEALFVATNK
DSFDVVDGNNNDRHIMNGATVVALEYSSKRTAINVGKPSKELFGLIRNQDSSGAKKPS
GNVFDDPSRCLFVGDRLD TDIRFGKDNGMKSL LVMTGVTSAKTMEELANGTEEEPLDFI
LPHVGMLK

>comp13040_c0_seq2; 426 191 1477 LEN=2407; minus strand; translated
MTKFPSTIVQALAASAFFSGTSLSLSPFSSKSSTTSAKT TSAITDLMHEAAVAETERL FQ
FYSSNGNYNTENTENNNYPTKIEASPVITSPPTVWRSSEEAVTYIRDNI DTVLFD CDGVL
YRTTSLCPGASECIRELMEIHKKRVLFVTNNAGVNRRELREKLSRLLRIDSLTNDQMISS
SYSSAQYLKSELMAASKELGSTTTASSTPPRVHVI GSSGLCEELVAAGFNVTGGPSTSSP
EHDECCSMSREELAAYDFEQ LHPIDALVVGHD TDLNFRKLCIAENLLLRNPEALFVATNK
DSFDVVDGNNNDRHIMNGATVVALEYSSKRTAINVGKPSKELFGLIRNQDSSGAKKPS
GNVFDDPSRCLFVGDRLD TDIRFGKDNGMKSL LVMTGVTSAKTMEELANGTEEEPLDFI
LPHVGMLK

>comp13040_c0_seq3; 418 191 1387 LEN=2459; minus strand; translated
MTKFPSTIVQALAASAFFSGTSLSLSPFSSKSSTTSAKT TSAITDLMHEAAVAETERL FQ
FYSSNGNYNTENTENNNYPTKIEASPVITSPPTVWRSSEEAVTYIRDNI DTVLFD CDGVL
YRTTSLCPGASECIRELMEIHKKRVLFVTNNAGVNRRELREKLSRLLRIDSLTNDQMISS
SYSSAQYLKSELMAASKELGSTTTASSTPPRVHVI GSSGLCEELVAAGFNVTGGPSTSSP
EHDECCSMSREELAAYDFEQ LHPIDALVVGHD TDLNFRKLCIAENLLLRNPEALFVATNK
DSFDVVDGNNNDRHIMNGATVVALEYSSKRTAINVGKPSKELFGLIRNQDSSGAKKPS
GNVFDDPSRCLFVGDRLD TDIRFGKDNGMKSL LILFFPM

>comp13040_c0_seq4; 418 191 1387 LEN=2331; minus strand; translated
MTKFPSTIVQALAASAFFSGTSLSLSPFSSKSSTTSAKT TSAITDLMHEAAVAETERL FQ
FYSSNGNYNTENTENNNYPTKIEASPVITSPPTVWRSSEEAVTYIRDNI DTVLFD CDGVL
YRTTSLCPGASECIRELMEIHKKRVLFVTNNAGVNRRELREKLSRLLRIDSLTNDQMISS
SYSSAQYLKSELMAASKELGSTTTASSTPPRVHVI GSSGLCEELVAAGFNVTGGPSTSSP
EHDECCSMSREELAAYDFEQ LHPIDALVVGHD TDLNFRKLCIAENLLLRNPEALFVATNK
DSFDVVDGNNNDRHIMNGATVVALEYSSKRTAINVGKPSKELFGLIRNQDSSGAKKPS
GNVFDDPSRCLFVGDRLD TDIRFGKDNGMKSL LILFFPM

>comp13041_c0_seq2; 181 1 978 LEN=1119; translated
PLAKTVYPNFIDKFFRRPTHQGEESKMVFFVVTGIPRRSIRIYRGRRIDFLRKRWHSSSS
PQASKKPSPEM VQPKSFAIGALAGTCGSLAGMGGGFIM IPLMTSKRLMGLTQHQAHS
LFAVATTGTAGALSYSGQVDYEVAAAIAFCGMATASLGAYASSKMSQAALKKALGIFMLL
IAPTIPAKKEYLLSKKEATERSRETSFVGRYIVPAGIGCCSGFLAGVFGVGGGAVVVPALS
FFTDMHYQALGTS LCAMVPTAVVGTATHMSKGTVMVRVAPALAVGAFSGAYFGGKLGLT
IPEQQLKYGFSGTMVVLGLR TLLKL

>comp13042_c0_seq1; 132 1 1136 LEN=1411; translated
LVGNIALGHSWKKSIFLMKFEIEFPCIWFCRVHRDFTTXPDSAKAKFCVEGKQSLYQYCE
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LFSPSTGVLD SHSFYTNLLADCEDGGATVVLHSEVNGADLVDGKLC LSADGALLSADTIV
NCAGLHAYEVASKLHRRESEHDPPTPPACPWQPPRHFFAKGTYFRLDGTSPFRHLIYPVP
EPGGLGIHATIDWSGTGTFKFPDVEWLDSDTRPGDINYPDPAAVDKFAVAIEKYYPELP
RERLQPDYVGVPRPKLRHPSIVPISTCTPSTPSKNVAFDDFLIVEKTVAKSQIFHLFGIES
PGLTSSLGIADYVKRAIG

>comp13042_c0_seq2; 119 1 935 LEN=1092; translated
LVGNIALGHSWKKSIFLMKFEIEFPCIWFCRVHRDFTTXPDSAKAKFCVEGKQSLYQYCE
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LFSPSTGVLD SHSFYTNLLADCEDGGATVVLHSEVNGADLVDGKLC LSADGALLSADTIV
NCAGLHAYEVASKLHRRESEHDPPTPPACPWQPPRHFFAKGTYFRLDGTSPFRHLIYPVP

EPGGLGIHATIDWSGTGTFKFGPDVEWLSDTRPGDINYDPDPAAVDKFAVAIEKYYPELP
RERLQPDYVGA
>comp13042_c0_seq3; 248 91 1104 LEN=1261; translated
MLASRASASFHSQVVVIGAGVVGLAVTRALAKAGKEVLLLEKASHICTETSSRNSEVIHA
GLYYPDSAKAKFCVEGKQSLYQYCEERGIAHRRCGKLVVATSKRQLAEELPFLRDQAFR
NDVTDIRLLSREDIQVLEPAVECFGGFLFSPSTGVLDSSHFSFYTNLLADCEDGGATVVLHSE
VNGADLVDGKLCLSADGALLSADTIIVNCAGLHAYEVASKLHRRESEHDPPTPPACPWQPP
RHFFAKGTYFRLDGTSPFRHLIYPVPEPGGLGIHATIDWSGTGTFKFGPDVEWLSDTRPG
DINYDPDPAAVDKFAVAIEKYYPELPRERLQPDYVGA
>comp13042_c0_seq4; 261 91 1305 LEN=1580; translated
MLASRASASFHSQVVVIGAGVVGLAVTRALAKAGKEVLLLEKASHICTETSSRNSEVIHA
GLYYPDSAKAKFCVEGKQSLYQYCEERGIAHRRCGKLVVATSKRQLAEELPFLRDQAFR
NDVTDIRLLSREDIQVLEPAVECFGGFLFSPSTGVLDSSHFSFYTNLLADCEDGGATVVLHSE
VNGADLVDGKLCLSADGALLSADTIIVNCAGLHAYEVASKLHRRESEHDPPTPPACPWQPP
RHFFAKGTYFRLDGTSPFRHLIYPVPEPGGLGIHATIDWSGTGTFKFGPDVEWLSDTRPG
DINYDPDPAAVDKFAVAIEKYYPELPRERLQPDYVGVVRPKLRHPSIVPISTCTPSTPSKN
VAFDDFLIVEKTVAKSQIFHLFGIESPGLTSSLGIADYVKRAIG
>comp13043_c0_seq2; 498 509 2502 LEN=2694; minus strand; translated
MPLPMHSQPSLAAGTASRSRMALGQNKRPYSKFASGASSGASKSNASGSGSGKEGIVQRL
QRALVDVRRDRDHEHRLCEIAREKLRRAAKQAFREEQSSFEEDKKKVIESQTELTKEEEEI
VRIQARIQELQKQSVEXIMSRGSSTKCPILCCRDLRLSRAAAIVYHALCAVYIARSLLL
CAVLPCPILLDDPLIGAKTEIHRFIVLYLVSYFYHCVTVSIPDDDLIRKREKIQQNSAQ
EAATSRRNKSLLAARRCLDQQRDQYQKFERMQDHNKELIGAIASDALAKHRRITSARRQ
HDGTEKESSTTTPALVDAGTKEGRDSTNQEFQGGSTDGDFSFDFEKYQEALGIKQEEILA
REFKTIDDYAVLPKMILSKAETLRMESELLRAEATRLEALIVQQQELPTSSNRLYPRCQQ
EQKERNSSNARIDKFEFSIGTHTSTDAGSSSTSESIHTATMDARDNANIEGKDGSRRI
LDTMDLIESTTENS KPKGTQRKESQTVLPNDATILNTESLHPESSEMEGEKSNDARPACTP
KITLMDTTLDSNQVQDSNKAKGSSDPSLDGNAAGDQSEGRDVNISGTSKASALKFAMNP
EHEGDGSTASALTTNANSIEIPTGIQVGGNDSSEDFPPPTLQNTPINVIKRHKGSGSEDE
NRTM
>comp13044_c0_seq2; 266 99 458 LEN=526; translated
MAKTPSKKAAPAKNAPKKAATGGKKKRVE SYSTYIYKVLKQVHPDTGISKKGMSIMNSF
INDIFERIAGEAGKLATYNKKATLSSREIQTAVRLMLPGELAKHAVSEGTKAVTKFSSA
>comp13045_c0_seq2; 159 1 475 LEN=1237; translated
XAATTQCRSFYQLSLKIYIMSDAAKAFITFLRCEAKQAEDRAQSLRTTAAIIEANSLEAQ
RKHSKTRKRSRTPD SKAQCSGYSLFFQEHESAKKSKNANESIDEVLKDRWENLSDGKKR
AWESRAEDEQVSQCRQNCCKIHLNESEDGDEDPKKSIS
>comp13046_c0_seq1; 212 175 864 LEN=1269; translated
MTPIGGRSFLVLVLLASRGR LVRALLLDTGGVGPAAASACPGARWGRHRPLPFRGIRGT
GHHRGAIQRASLLWTS PRSGSDGDSL AGDGTGSDGND SNGNESNSDNDHDP SNGDSRLFR
DLGRPTGSGDDPAQQRAILDELAWRTQKVRLEEQNDRRFGAALRSRPRKLSYKEAGKWVR
ANLGADTREEFEDLVLNGLRTPYIPKDPERYYTANGTWGGWEDFLRGG
>comp13047_c0_seq1; 842 167 1408 LEN=1474; translated
MKFSLLA VFFAASSIDAFSPKTAGSRGASALRSSTTDAPPMARSQTKVPVFDEVCDTGTG
TLTRFMNEVAMLNPELSELTTFLGAIDTACKAMTNLVKRSQLPSSETLGYQGEVNVQGED
QKKLDVITNDLLKRALRFTGRLGVLASEEEDVPVDLIGDTASDSQEIVIEEGEKYVAVFD
PLDGSSNVDAGIPTGTIIGIYEHSENCDDVPEICIGDECTEQEAQCLANTLQPGTNLVAAA
YCLYSSSTFLSLTLGNGVYIFTLDETIGEFVLSKPDVKIPEDCSIYSMNEANFDKWDKPL
RDVVVTGWREGTGASGRFSSRYIGSMVGDVHRTLTYGGVFGYPGDTKNPNGLRLLYEGA
PMSFIMEQAGGISSTGKERVMEITPEYVHQRI PVVMGSKNAVQEVLDAYAAEE
>comp13047_c0_seq2; 724 89 1306 LEN=1396; translated
MKFSISALVLVSLAGVSDAFVARSQKVSVP TKLVATEPPTVKVPVLDEV CETTGVT LKR
YMNEVAMLNPELTELTTFLGAIDTACKAITNMVKRSQLPSSETLGYQGEVNVQGEDQKKL
DVI TNDVLKRALRFTGRMGVLA SEEDVPVDLVNTDKDAVFTETNKYVAVFDPLDGSSNV
DAGIPTGTIIGIYEHDENCSMDESCIGEDCTAQELNCLTNLQPGTSLVAAA YCLYSSST
FFVLTIGAGTYGFTLDENLGEFVLSHPNMKIPETSSIMSFNEANTHMWDEPLQKVVDGWK
NGTGKSGKTFSSRYVGS MVGDVHRTLTYGGVFGYPGDAKNPNGKLRLLYEGAPMSFIMEQ
AGGVSTTGKERVMDIKPDYVHQRVPMVMGSKNDVEEVIEAYKNAE
>comp13048_c0_seq1; 307 523 1155 LEN=1331; translated
MTETFQRYDDEFQSLTRQIKAAFNANS GGYRDEEAGETANPGEAIEQCEELLQQMALEAR

SVPDASRKRELLVQVRNYKSDLQTLKDEDNKRSLMASARGNGAGSGSDEHRERMRKQQEM
LQNQNSQLDSARRVLQETEQVALEIGEELSNNRATIESAHGRVRSVASMAGRARRVVASM
NQRAAQKMLLYGLAVGVVILFFVSVRFLK
>comp13049_c0_seq1; 777 196 2262 LEN=5765; minus strand; translated
MGTCFSQEERQOTHERLYEYDEDYFTKVEKRNSIDDKRTRWRRYINSIDSNSSAQLTSHS
FETNQWNFPVDHWTIQTSESESPSAKTDAFSDISFSLSSPPSLYNIPSPFTFLQPILFSE
TSTSSPMQNMPNQGHVRKWNKGKHKGRALKLRLEKHRHIQIAVTKHHTPNGSPIAQLAMAS
QFPAAVDAQFQTENDVSESSVSSPVSSIPSLGSKSSSTGESSISSNSGGSIWKEVMNETN
ITALAINRVFPDSSFTELASSMLATGDESGTIIITQITDEEMQKIGDEESADSLLESIMD
LGGGALEFSVESRVRSLHFSGSEHLVAGGDGCYAWISAIMVDQSSKTLQEIKVIQKIERI
DRIYAVRFSPKRNFLAVGGFDGRVATVPTTAMWKKEDAKTKEDGSDDSFSSQVMNDSIIEL
DRPGLIYCLDWSPEGDYLAIAAGSDKVCGIYDASTFQLVHETASRSSAIEALQWSDHGKYF
AIGDREVAIVDGKPPFEIQCEISHPPKSSVMAQFRYRITSLCWCPSGSFLAIGGSDGRCL
IVEKNSWTLVYEHNRETCINALEWFQQYLIVSDNNHTLAFIKIGEETQSSEALGDHASVT
SSSYFSQSTTSSNWVLREDEFDRDLEEVTKAPKALNSRANITSVAFSKVGKASKTSPYLA
YAADDCSLTIMTTRDWKAVYVSANLTII
>comp13050_c0_seq1; 278 427 1209 LEN=1754; minus strand; translated
MPFLFRLTHLTLFVQNSNYLPTHEQTNNQHFSGIVAIEFAKIFSNLGCDDVTLLIRDKS
PKNALMKIGLDKDIAATLVADLVRSGIRIERDCEVGTIEVPTAAASAANKKKDYIVPLKI
GLKTKGGIDDRPQSSLQEIIRCDAYIAAVGRIANTENLNLEAAGVEVDEYGGITVDSHLKA
KGVEDGNVYGAGDVLGRPFPLASTGVAQGVATVKNMFDLSLPLDLVDCDESSDSCGAEDLL
LMKAAACDPTSLAANPVSSR
>comp13050_c2_seq1; 569 260 2152 LEN=2168; translated
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ICRPPSALRAEGIDHPYEDLAVIGAGPVGVQAAIVAASTAKKKVVLIDAPRASGQLMNE
ETNEDLSIGGPTGLFSKALRDAKRIKVP TLRGMNLRREDSIWNEITSSCVELASFNANDV
KRQLEYAGVTLIEGYAKFSDVGGSHHLTVCQTGDTVTSTISTDKVLIATGSRPFRPDNIP
FDGVRVFDSDSINGLKFPLPKSLVITGSGIVAIEFAKIFSNLGCDDVTLLIRDKSPKNALM
KIGLDKDIAATLVADLVRSGIRIERDCEVGTIEVPTAAASAANKKKDYIVPLKIGLTKG
GIDDRPQSSLQEIIRCDAYIAAVGRIANTENLNLEAAGVEVDEYGGITVDSHLKAAGVEDG
NVYAGDVLGRPFPLASTGVAQGVATVKNMFDLSLPLDLVDCDESSDSCGAEDLLMKAAA
CDPTSLAANPFAPVGVWSSPEAAYYGLSLAQANEMGIEAGEGISLYAECLRGLVFSFDG
LLKLVFQKSTGVVGVVHICGDDACELIHYGMELVKTRRTITDIANSMYSAVTYHEMYRIA
ALSCMDPKAARKSRAAAGRALAERRRNNKQ
>comp13050_c2_seq2; 337 1 1116 LEN=1132; translated
QTNNQHFSGIVAIEFAKIFSNLGCDDVTLLIRDKSPKNALMKIGLDKDIAATLVADLVR
GIRIERDCEVGTIEVPTAAASAANKKKDYIVPLKIGLTKGGIDDRPQSSLQEIIRCDAYI
AAVGR IANTENLNLEAAGVEVDEYGGITVDSHLKAAGVEDGNVYGAGDVLGRPFPLASTG
AQGVATVKNMFDLSLPLDLVDCDESSDSCGAEDLLMKAAACDPTSLAANPFAPVGVW
SPEAAYYGLSLAQANEMGIEAGEGISLYAECLRGLVFSFDGLLKLVFQKSTGVVGVVHIC
GDDACELIHYGMELVKTRRTITDIANSMYSAVTYHEMYRIAALSCMDPKAARKSRAAAGR
ALAERRRNNKQ
>comp13051_c0_seq1; 645 307 2361 LEN=2478; translated
MVLVATFSSCLLRESAILVSGWSIASRNANGAVWHIQSCKFSRNSRLRLSASSAFKTDQS
TYGTNARTSFSCYKNWNSNRDRSISHTQRRHRSKKNRNFSTDLKATEEEDQAPTIEDSNNI
QNENSTMPSSSLNSNEASTHPDADSNTSGKSEDENARKEPLLNVL SIDPRLVDIFERKDE
FLNGEEDSKGDILNGNIFGNRNF IEMFRGSANYIATHRNALAVFHIPGDLMDENPAGFR
DLMNDISL TWLLGMRIVIVAGCRYQINKRLKEQSQSSEGRRREHMGMVVTDEESLRIVKE
EAGYVRFEVERQKLARALKSGHSNKNNGGNENEVGEGNVVSGNFFSAQPFGLVDGVDYK
YSGFVRMETNKI HQVHKNRDIVLLTTLGFSPTGEVFNVNSEYLAAYAAGTLGASKVIYF
LERDAGLRHKIHGSI IQHLRVNDGRNLLDLNGIRTEKKGFVYLD DCPYDYGAERSFFIKM
GWMNALEAGVKRVHLVSPYHGALLQELYTRDGSMTISNDLYDGIQPATVNDANAIFEV
ITPLVKKGTLVERTKAELERDIEQYHVYTRD DLIACGQLKMFENGFAEFGLVVNPLYR
SKGRGDAMLGYLERICVKNGATNMFVLSQTMEWFVERGFDEVGVECLPPSRQATYNHDR
RSKIYMKKVN SDRDL DASELFWDR
>comp13052_c0_seq1; 102 800 1020 LEN=1020; minus strand; translated
MSFLNLDGGSGSAHIVERLNLERTRAAKSIGFDAVDVDEAVLHAAVILFRERQQESAQP
PTSSKQHQPQHRX
>comp13053_c0_seq1; 469 1 991 LEN=1616; translated
XSNNNNNNISHPPVLLLEDGTISFECPESEFIEILGPEADAESYAVVSEQLTRDRKEFLATFR

ETTFDEWDQTYTFVKKGLSPFKKKYYPKYLTNGAHIYESAMGIGLNLYMTLEILSEADPP
VSGITVYGN DYVAASAARANDLVLAEGVLPENRKGVL CAGNSLDLGHVPTGAFDLVYTG
YVSP LMDPLGMSDGT VGS IADDDASYWGWYDEICESFRRKADASTRTRNRDWMGAYLWEK
LVV PKQREWF GKWVGEMARIAKPGVPVIVESVSQNYCDYDNDWGGVAKSFWKEAATENTY
GWNVDPDSIEMDDTVNEERYHVFMIKKKQ

>comp13053_c0_seq3; 279 1 945 LEN=945; translated
XSNNNNNNISHPPV LLEDGTISFECPESEFEILGPEADAESYAVVSEQLTRDRKEFLATFR
ETTFDEWDQTYTFVKKGLSPFKKKYYPKYLTNGAHIYESAMGIGLNLYMTLEILSEADPP
VSGITVYGN DYVAASAARANDLVLAEGVLPENRKGVL CAGNSLDLGHVPTGAFDLVYTG
YVSP LMDPLGMSDGT VGS IADDDASYWGWYDEICESFRRKADASTRTRNRDWMGAYLWEK
LVV PKQREWF GKWVGEMARIAKPGVPVIVESVSQNYCDYDVRETSCAPSCGALCRTCRTV VHC
VALRCVFFALFPLSHG

>comp13054_c0_seq1; 351 386 1786 LEN=1994; translated
MSSVSFGI IAGSSATLTPPDDATQSVVIKKA EYMNSLEDRGAKQSLAIGKYPNPFKDPSS
DITVHQIYEPSMLEAYVIENGR TNERLGYDREM KLLRDEGNKQILRTHMEEMPSGCELWT
DPTVSVAAANGAWGAKDNLIYQGLQVYRAELEEYDRLLANWKWNYQIGDDNVDGTKHDLRN
YLPASSGNNEDETHNRAVCD SLEVHPDGLRGVFKSEASLSKLPWTSRNNGANESVHKQH
GGFIEPFLPPLRHPEFCFGPSTSNMFGINTSELLSLGYLIHDFATLCKNHISKYSRTV FV
DFGAALDFHNTE DENPTPSIELLELYQRF GIVFDHIYAYELET KDPALVYEAIPDNFKAA
YHWYNGVESDWKSYRNPLRMIADTFGPEDFIVVKLDIDTSSIEIPLAKQLLED PDLAGL
VDVLYFEHHVTMKE LAFPWKYTMGSMQDSLEFFTSLREHGIAAHYW

>comp13055_c0_seq1; 292 115 1254 LEN=1947; translated
MDPFGAKTILLATATSSFLSLRAYKRKSLTPEGSVA AFVAFFLVGSGLRGMNLLTFYFI
SMKATKYKVR LFCVSRFGTIGRGVETKPIDTVDR LACLAFAVHSHCDALNPSQPWRCL
ECRFGTTPPHRTASVRKKKTGRALRXKEIKKTIDGTIASHEGSTTRGTSQVLACSLLATI
LSVVHAFYCGPERAVVFPQDGGDGALLSSRLTCGILAHHATCLADTLASEMGILSRSP
RLITQPWKTVP SGTNGGVTP TGF FWSAAGGAI IGLSTLLLDGISGIGGAGPFYAARMVLY
SLACGLVGSVLD SLLGATVQQSYVDPDTKMVYQEE DRRPKSTKLVVGH SVNLLTNELVNL
VSVAITTLLGATVIGPLFF

>comp13055_c0_seq2; 324 115 1020 LEN=1713; translated
MDPFGAKTILLATATSSFLSLRAYKRKSLTPEGSVA AFVAFFLVGSGLRGMNLLTFYFI
SMKATKYKKEIKKTIDGTIASHEGSTTRGTSQVLACSLLATILSVVHAFYCGPERAVVFP
QDGGDGALLSSRLTCGILAHHATCLADTLASEMGILSRSPRLITQPWKTVP SGTNGGV
TPTGF FWSAAGGAI IGLSTLLLDGISGIGGAGPFYAARMVLYSLACGLVGSVLD SLLGAT
VQQSYVDPDTKMVYQEE DRRPKSTKLVVGH SVNLLTNELVNLVSVAITTLLGATVIGPLF
F

>comp13056_c0_seq1; 320 52 1788 LEN=2218; translated
MWDDL FRAAAGEDDIAEPMVPT RLEAQRNPRKHEASTSAERNPKRKKRARRHRNRGKSSQ
SALERVLESRTDPIGEQIWSR LPAWLVP GSSLRGSAYCGQWDQ EADC SLDAKCKKCKETL
LHHSVELSSSTEQTSAGEVLTAFSLVRDIRCCCSILNESYGCNDQNKCIKSEL DVFAIT
ALKKSDHLDIVVSSVLD PGEADILIGKIDNIKNAAIKLSKMKHWNVGSQIKNSKFKLRG
IFNEVIKLI IHCDAA YFRLYYLQNSGNLPIEKEEVYI PHPPTYFGSKNVAWNVFDSTTGL
ADTMRKKYQGISDERWDILMQELGISRSSQELDPLSFMHKNR LSESIFIFHNSSWIHSKE
TKLHYTESMKQRSKFLDRESAFYSIHETPAPDIVKEWRDSCRDL LCNLYAYATISPRMIY
DTKGVL RKEAFACKSLIEMGAGTGYIANL FVKADFSVKA FDVAPTNGDNVQNRNSDVSNE
YHGSSPPFCRVEYADSKSLRLDTRDTALLSYPPPLSTMAEDSLKSFVKQGGRII IHVGE
FSGLTGSSKFESFLGRRFDLKYRTPCLNWGSDAAELTIW

>comp13056_c0_seq2; 320 52 1788 LEN=2270; translated
MWDDL FRAAAGEDDIAEPMVPT RLEAQRNPRKHEASTSAERNPKRKKRARRHRNRGKSSQ
SALERVLESRTDPIGEQIWSR LPAWLVP GSSLRGSAYCGQWDQ EADC SLDAKCKKCKETL
LHHSVELSSSTEQTSAGEVLTAFSLVRDIRCCCSILNESYGCNDQNKCIKSEL DVFAIT
ALKKSDHLDIVVSSVLD PGEADILIGKIDNIKNAAIKLSKMKHWNVGSQIKNSKFKLRG
IFNEVIKLI IHCDAA YFRLYYLQNSGNLPIEKEEVYI PHPPTYFGSKNVAWNVFDSTTGL
ADTMRKKYQGISDERWDILMQELGISRSSQELDPLSFMHKNR LSESIFIFHNSSWIHSKE
TKLHYTESMKQRSKFLDRESAFYSIHETPAPDIVKEWRDSCRDL LCNLYAYATISPRMIY
DTKGVL RKEAFACKSLIEMGAGTGYIANL FVKADFSVKA FDVAPTNGDNVQNRNSDVSNE
YHGSSPPFCRVEYADSKSLRLDTRDTALLSYPPPLSTMAEDSLKSFVKQGGRII IHVGE
FSGLTGSSKFESFLGRRFDLKYRTPCLNWGSDAAELTIW

>comp13057_c0_seq1; 774 99 1832 LEN=2001; translated
MTSFP SKTPFNNDVGRNQRLAEAVLAPQAVVEDATSNLFRDDPCGIHLAPNPNPSDNDLSH

EEASVDLANHHEALIGDEFNRPNKNI TKQPTLATLGEDPFTNDGEEIEHHRIVATEIVKDP
LQFEPDNILQNAIVLIDPRIPDCIHLIEASKRRGLMVMVAVLPKPNDDGTKHVSYYPTAEA
LLEAGIRQVYEPMPGKTKFDIVECASNLKTIESQQNLRFLGVLPCEAAVDFSDILGALLG
LAVVNDLGLASARRDKGLMKVAVANAGLRVAKYARLTQGDGRDVVAAVEGLELEYPVVVK
TPRGMGTQDVFCNTEEEA VAAASKIVRNVGPDGRKTQYALLEEFLGGEEFAVNLVASPT
TPRGVQVTDIWMYHKVNTDGTMVNTYQEMMDSNDKAYASLVKYAEGVCRAVGIKYGMAHC
ELKVKFDERKKAWVDPVMI EVAGRLAGGRKAIMAEATIPGWHPFDAMVDAHCGFPVRMPP
SFRPAKKAIQAYIASDKSGVLTAMEGDDFERLPTHHAHSMRLKVGDRIVRARELMSFAAY
VWFIGDADDVKRDALRARVEFQVEVEDEPIPPANKKQ
>comp13057_c0_seq2; 468 1 1332 LEN=1501; translated
PKTSSRIPDCIHLIEASKRRGLMVMVAVLPKPNDDGTKHVSYYPTAEALLEAGIRQVYEPMP
GKTKFDIVECASNLKTIESQQNLRFLGVLPCEAAVDFSDILGALLGLAVVNDLGLASARR
DKGLMKVAVANAGLRVAKYARLTQGDGRDVVAAVEGLELEYPVVVKTPRGMGTQDVFCN
TEEEA VAAASKIVRNVGPDGRKTQYALLEEFLGGEEFAVNLVASPTTPRGVQVTDIWMYH
KVNTDGTMVNTYQEMMDSNDKAYASLVKYAEGVCRAVGIKYGMAHCELKVKFDERKKAWV
DPVMI EVAGRLAGGRKAIMAEATIPGWHPFDAMVDAHCGFPVRMPPSFRPAKKAIQAYIA
SDKSGVLTAMEGDDFERLPTHHAHSMRLKVGDRIVRARELMSFAAYVWFIGDADDVKRDA
LRARVEFQVEVEDEPIPPANKKQ
>comp13058_c0_seq1; 253 202 729 LEN=1471; translated
MPPKKRKRTRSSSPNRVLPPELDIDESRRKEILLCFKTALESYNNENDETSNEFLPNS
FLKKPLKLLKLSGLKLDGKISYFDDENLEALDADMFLRFAADKSIQMEKSNRAFQLIDNA
GKGVVVLEDLQRACSVLGEDMTENELIEMIDFADSSGEGLLYPKMHMFRIANKVNL
>comp13059_c0_seq1; 247 672 1235 LEN=1656; minus strand; translated
MIVTVAIPMAVCAFEPSNCVIRDGGYRSRGRWTVCVRLLEFSKIGIGIVALVLDVMDIVAD
DVGAAVLPMAVPAFSPVPHDIFIPNGREQHFAQLGIGRGTATARRVSMRFGDGFDFVGE
VNAVVMYFFVRLGLDDAVVFALVIPRMLLWRLDLDVVLVITVVYDAVVKDRRVRDRYGC
GMLAHP
>comp13060_c1_seq1; 243 44 529 LEN=628; translated
MPGMIAANHYDASRNAIAVLLGGTRRYVVSRAQCRNLGLFPPGHPSARHSRVDWTTAPAD
YEDLVRTVDERSDAEPLSPPSSSDNTVPWKEYNESLSLLANQARSTEVVLEAGDVLYLP
SYWFHYIVSLDTNMQCNTRSKGKDGREDQTMDCGFRPKKR
>comp13060_c1_seq2; 297 1 1113 LEN=1212; translated
AAETNRGTTVHRAERA VTNQILFRHGPKKKAPKTNTYAKMPPNRKREKTGPVVRGKKLPP
PTKLIQMTYENWYELAMEKERRLVSNQTS LAEGGDGLPRHGYETKPDRA SDSYFFFRLV
GCGEKEGCEKNSTEYLFDEL PFFQPRKSRGPS DPRSGKRSKPTKPRRGS PRGQTHPASPE
STEPAPWDHRENLYLVELDKQRGIHCRFGMPGMIAANHYDASRNAIAVLLGGTRRYVVSRA
AQCRNLGLFPPGHPSARHSRVDWTTAPADYEDLVRTVDERSDAEPLSPPSSSDNTVPWK
EYNESLSLLANQARSTEVVLEAGDVLYLPSYWFHYIVSLDTNMQCNTRSKGKDGREDQTM
TDCGFRPKKR
>comp13061_c0_seq1; 704 183 1475 LEN=1748; translated
MSLSCEISGEPLPVNGDGSNEVVVTPSGHICIKRLLLT KLAENGGVDPFETAKNLP LSED
QLVTLQATNSGSVHSSSVVPPRPQATSLPGMLGLIQKEYDALVLELFDTRKALEETRREL
SQALYQNDAAIRVVARVAQERDAAKQOLEQWNASANANS GATAVASAPSAQEEEEATVAAP
PTGDQPSAKRRRILEPTAEVLENDLPEDDLQAMTEVWTQLNKVRKPTLKAAAAEAPSPQN
LASCAFLDKKAWHKSTNRGISCIASDNHLTATAGKDKHVVVYNEADQVVQHTFNFVGSVAT
CVGIGKTVVAVAGNAKGISVFSMDGGGGKADIDIGAEVVDVRVHPTDQHICAATADGRLI
VAYWMAEEKRLQQIATFRTKDSEGYTAACLHPDGLIYVAGTKMGKLVHVDWDFKNKVL AATL
QVSTVGGHGCW
>comp13061_c0_seq2; 944 183 1847 LEN=2320; translated
MSLSCEISGEPLPVNGDGSNEVVVTPSGHICIKRLLLT KLAENGGVDPFETAKNLP LSED
QLVTLQATNSGSVHSSSVVPPRPQATSLPGMLGLIQKEYDALVLELFDTRKALEETRREL
SQALYQNDAAIRVVARVAQERDAAKQOLEQWNASANANS GATAVASAPSAQEEEEATVAAP
PTGDQPSAKRRRILEPTAEVLENDLPEDDLQAMTEVWTQLNKVRKPTLKAAAAEAPSPQN
LASCAFLDKKAWHKSTNRGISCIASDNHLTATAGKDKHVVVYNEADQVVQHTFNFVGSVAT
CVGIGKTVVAVAGNAKGISVFSMDGGGGKADIDIGAEVVDVRVHPTDQHICAATADGRLI
VAYWMAEEKRLQQIATFRTKDSEGYTAACLHPDGLIYVAGTKMGKLVHVDWDFKNKVL AATL
QDGEISDGITTI AFSNNGYHIAAGHDSSTVRFWDLRQKQVSASIKCDEGELSVKSVESVA
FDKAGKYAAMGGKGVKITTVKEWGVGTGCFETKNPVSGI VWSNSSLLEVSFGENERAV
QLYGVASSDAKMEE
>comp13062_c0_seq1; 82 1 833 LEN=1639; translated

XHVSGSITCDTMNDCCCESFQLSKCLNWWYKGIANCNVNFHNETFASCHSFGNPDDLFFCE
VSDHCPRTYPDKLAWIQYEDLRWWGWICLLVITPAALILGIVGTAFYTWGWDCIQRKEK
EKEITNNELFCSNLLNFGNKFVSGMLMVINISISILILAYSQEYKTYGVIQGLQALG
PLFFLVAKLFPFLFKNDKWYSEKNTTTTITAINVYQDLTSGYVVIATAICQLALLFLYL
YALIRSGPPDFSEKSTYGFYGLGSFIQIAMALKRRTTASTDPTFTQMFVEYNFWRVHKMR
NDEKKVEFRLEDDDMADRGRVRSVIIRSYRTIRDMSIRYIPRKEKESDGKENKKGRDRSR
PSIGSERDRSSGIIKAPDGVKEFVNNAHAVLRDWQTLGSFRIKLRIFLSFLINYCGLTVV
LFLLPQLAHSESAMEFILNSVAAGFIIEMDDYGEKGIIVLRKESPGEEHRPFLEHNATD
RTQKDSMSNMKYAGGGSEREESEVAENGRSEDDDEKNEGVLDYDVPSTGRQPCSDNIN
ALGEVADENDLETGGGGYESQHRVPEGSEVLNSSGGTVVEEIKAEIQMFHQGVEDAMKDVR
EICE

>comp13066_c0_seq2; 688 1 1856 LEN=1882; translated
XHVSGSITCDTMNDCCCESFQLSKCLNWWYKGIANCNVNFHNETFASCHSFGNPDDLFFCE
VSDHCPRTYPDKLAWIQYEDLRWWGWICLLVITPAALILGIVGTAFYTWGWDCIQRKEK
EKEITNNELFCSNLLNFGNKFVSGMLMVINISISILILAYSQEYKTYGVIQGLQALG
PLFFLVAKLFPFLFKNDKWYSEKNTTTTITAINVYQDLTSGYVVIATAICQLALLFLYL
YALIRSGPPDFSEKSTYGFYGLGSFIQIAMALKRRTTASTDPTFTQVFGYNFWRISKME
NDQKKVKFKLEDDSKALPRKSAIVRSARRIRDKMNGYIQRNEKESDDEEDKIRDCSHSS
SGCPRSRSSGIALEEDSLHDNNEKERDRRESLKPQAIADSARAFAFDWQTLGNSCIKLRI
FLSILINYCGLSTVFLLPQLAHSESAMEFILNSVAAGFIIEMDDYGEKGIIVLRKES
GEEHRPFLEHNATDRTQKDSMSNMKYAGGGSEREESEVAENGRSEDDDEKNEGVLDYD
VPSTGRQPCSDNINALGEVADENDLETGGGGYESQHRVPEGSEVLNSSGGTVVEEIKAEI
EQMFHQGVEDAMKDVREICE

>comp13067_c0_seq1; 641 166 1902 LEN=2334; translated
MDELLVSWLGSDDVYENVLKLIEKYDEESKVTGDQSPDSIPNKFVPSKYPKLESSTTA
RQPIPPFYPLKTSSGITLQRRRRLPRQSETWDPLLDSESRNGSLSKSNATKNSEGKTPNS
VTGHAAGHEEENSSVDPASNICVRDQIYKLLNELQILPQILGNDSSNADNAVSIIGLDV
FVRITKEICHFPSPFNGLYQRIQMLWNIDHPHENITTVTLSTIEWYWKKEPEFDASER
FFRLVKQPDEDCILRDDFLPYIKALLNDHPGLEFLSNHAEFQEKYAVTVITRIFYSVNC
HSGRITSRQVRRSDDLDSFSQVDEEEDINKVTRYFSYEHFYVLYCRFWELDHDRDYRITR
QDLLKYGDCLSHMIVDRIFDSAPRPFQDKVDREHLSYEEFIYFMLSSEEDKSNEVSVRY
WFNCVDVDGDGKLNMEMRSFYAVQLHRMQCMGHEIVPFEDMLCQMMMDIKPKNSDHLIV
EDFLQAECQVSGALFDALFNLNKYLLFEQRDPFVERQKREDEFETDWRDFACIDYNRLA
MEEEAREEEAMEIDWVTVDDEEEEPQFNCAITSEAPF

>comp13067_c0_seq2; 587 166 2029 LEN=2461; translated
MDELLVSWLGSDDVYENVLKLIEKYDEESKVTGDQSPDSIPNKFVPSKYPKLESSTTA
RQPIPPFYPLKTSSGITLQRRRRLPRQSETWDPLLDSESRNGSLSKSNATKNSEGKTPNS
VTGHAAGHEEENSSVDPASNICVRDQIYKLLNELQILPQILGNDSSNADNAVSIIGLDV
FVRITKEICHFPSPFNGLYQRIQMLWNIDHPHENITTVTLSTIEWYWKKEPEFDASER
FFRLVKQPDEDCILRDDFLPYIKALLNDHPGLEFLSNHAEFQEKYAVTVITRIFYSVNC
HSGRITSRQVRRSDDLDSFSQVDEEEDINKVTRYFSYEHFYVLYCRFWELDHDRDYRITR
QDLLKYGDCLSHMIVDRIFDSAPRPFQDKVDREHLSYEEFIYFMLSGKNKEXDDVIG
ITPRISLSCGFIEIRXAHFPILYNFVVDQHLEEDKSNEVSVRYWFNCVDVDGDGKLNME
MRSFYAVQLHRMQCMGHEIVPFEDMLCQMMMDIKPKNSDHLIVEDFLQAECQVSGALFD
ALFNLNKYLLFEQRDPFVERQKREDEFETDWRDFACIDYNRLAMEEEAREEEAMEIDWVT
VDDDEEEEPQFNCAITSEAPF

>comp13068_c0_seq1; 507 1 1226 LEN=1592; translated
XRNKHIRVHVNTDGSTLDAGDEEIEVEDRYYSNGASSVASTTVYDEEQLRERERERLDKE
YATSLRPMGLAPTHGKNSNTVEEHHHHHHGHETSFDSEGRASQHLDDYHDEDLGG
PNASPNASPRSTTGSNHKKTCLPGIRKKRKKKNRYDDDGDLSTYSVPLQDANGSRGIDL
PRGVDLTTSDDRQTGRPSREPWRNDARLGEETEASSDMTASERLKFVRYMQSGMTLEQAS
SHVLSERKAAAEQLQQQQQEEQQRQLSRQRSSPRLFRKSRSPRTGASGTGSGPLDCLS
GDASLSPATAQQTLESEVVMEDGETTIHIPDRFYSSPSPGDGHGGVVRTNNNIYRRATRT
GRSDRSESDGGTPQAMVLTEASSCASSFDNDFAAIGEAAPRSKEAFA

>comp13068_c0_seq2; 508 1 1214 LEN=1580; translated
XRNKHIRVHVNTDGSTLDAGDEEIEVEDRYYSNGASSVASTTVYDEEQLRERERERLDKE
YATSLRPMGLAPTHGKNSNTVEEHHHHHHGHETSFDSEGRASQHLDDYHDEDLGG
PNASLGRSTTGGNHKKTCLPGIRKKRKKKNRYDDDGDLSTYSVPLQDANGSRGIDLPRGV
DLTTSDDRQTGRPSREPWRNDARLGEETEASSDMTASERLKFVRYMQSGMTLEQASSHV
LSERKAAAEQLQQQQQEEQQRQLSRQRSSPRLFRKSRSPRTGASGTGSGPLDCLSGDAS

LSPTAQQTLESEVVMEDGETTIHIPDPRFYSSFSSPGDGHGGVRTNNNIYRRATRTGRSD
RSESDGGTPQAMVLTEASSCASSFDDNDFARAIGEAPRSKEAFA
>comp13068_c0_seq3; 310 160 852 LEN=1380; translated
MWDCDRKQQQEQQQQLHAKRRRLSNEDDFSLPLDHLSSPLPSKSATTRSTSRVFLPPS
PSPKSTTATESQFPSRNTENHANANTVYHSHDEEDGVCPPPLPLQLVHTDEQDEEDGVL
PPPTPSDLATAHTIPRFIDSPLTSEHIDRALGLLDRNTSYKRNSDELLOVVFHDLYRWSR
SSNPAQKQFFQHEFVWRWSGVSRVRRFLKAHNMADDFLSQLLQSNLPLQE
>comp13068_c0_seq4; 312 160 681 LEN=1047; translated
MWDCDRKQQQEQQQEQQRQQQQQEEQQRQLSRQRSSPRLFRKSRKPRGTGASGTGSGP
LDCLSGDASLSPTAQQTLESEVVMEDGETTIHIPDPRFYSSFSSPGDGHGGVRTNNNIYR
RATRTGRSDRSESDGGTPQAMVLTEASSCASSFDDNDFARAIGEAPRSKEAFA
>comp13069_c0_seq1; 204 86 409 LEN=1559; translated
MAKSGYAKGANS GHVLTTERPKVKP SHRKG SASKRTLLCRELAREVVGLAPYERRILDMI
KTGSAADKRIYKFAKRRLGSHKRALAKREDIKELNSKMRARAAGAN
>comp13069_c0_seq2; 204 86 409 LEN=1576; translated
MAKSGYAKGANS GHVLTTERPKVKP SHRKG SASKRTLLCRELAREVVGLAPYERRILDMI
KTGSAADKRIYKFAKRRLGSHKRALAKREDIKELNSKMRARAAGAN
>comp13070_c0_seq1; 563 207 1883 LEN=2254; translated
MPPRAATEGGAGELPSKPIKRVGSMGDISVESKDEKVSNDYTTRKSTLIGMINWVHVLST
DAPAILMFLIVLVGQIIYQVVNDLFPEDGATLSIETITVVANATKQLFVRLYKAI AES
EGFDIFSPAVQTTALILVVAAMVRRDSPIYLLSFETFKAPDDWKCNDQDEIMEMMKRQEC
FSQESLNFRLRILDRSGTGPATAWPPGITKCLKPDDPSKYQKTDRSIEASRQEAQTVI
FDIVEKALKKANVKPREIDVLIINCSLFSPTPSLCAMVVSEFGMRSDVETYNLSGMGCSA
SLISVDLAKKLLGRKGSRKALVVSTEVITPNLYHGNERGFLIQNTLFRCGGAALVLSNNW
MDGRRAWYKLLHTVRVQGSGEAAAYQCVFETEDENGERGVRLSKDIVKVAGKTMEKNFTML
GPSVLPLSEQAKVWWSIILRYVLKSVGKMVGPDAAAKLPKVKPFVPDFKRGIDHFCIHAG
GRAVIDGIEKNLKEEYHTEPSRMALYNYGNTSSSSIWYELEYIHYHQNNPLKKGDRIM
QVAFGSGFKCTSGVWLKV
>comp13071_c0_seq1; 488 367 1800 LEN=2458; translated
MSSPSAGFLFFANHWNDPIVESLDEGYRGLSLDLNCNGDLTFCHGGSEVGCIGRRDPL
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ENDDGWPTMSNLIQDEKQILFFYMGGPDGTEESTIGINYFYEYGMSTDWSYTSVPLRET
LIDGCEIQRDSETTRDFFMINTFVTKELFGYNVRPSRTAAEEINKGEFLLPLLEVCEEIQ
QSKVNIISVDFWKSGDLIAFINDQNSKLAVTLSSSNSTPTSSSTYFQQSEYPTPLQNFTH
QPVFMSVPTSDDGDSIPSIKSPWSYSTRMPNHNELSRTEVP SDYNDRVDIPSSLPSFEPL
PFEKIEYEIGDQRSSKPKKLNHLGEDTLGQSSEERSHTDPDQSTNSSPASSLDSNLYSL
SEQQNEEKTFSPIAPSTFLLGDDHLEGLPSSDAVACIFSFTQVAVAISIFIAMTV
>comp13071_c0_seq2; 436 281 1480 LEN=2138; translated
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MINTFVTKELFGYNVRPSRTAAEEINKGEFLLPLLEVCEEIQQSKVNIISVDFWKSGDLI
AFINDQNSKLAVTLSSSNSTPTSSSTYFQQSEYPTPLQNFTHQPVFMSVPTSDDGDSIPSI
KSPWSYSTRMPNHNELSRTEVP SDYNDRVDIPSSLPSFEPLPFEKIEYEIGDQRSSKPK
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>comp13073_c0_seq1; 311 38 457 LEN=1555; translated
MAGKASAVANALKKGISKKGTRIHTSVHFYKPKTLKATRKPKYERKSTPKKTGLDTFSVI
KYPLTTESSMKLIEDSNTLVFIVDIKANKRQIKA AVRELYNIECEKVNTLITPRGLKKS
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>comp13074_c0_seq1; 743 266 2653 LEN=2685; translated
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EHLIRLESFLNEGSSIVESTYTCLYAHSSVMADMKDRLEPLSLTEQMAMMIAATKGTLP
QHIVYSSTLMI IQLTDLRCGII LNADIYEEEDFTGSTYSIQVFQDRDDES VVSVGRRVIE
MIQKQEESENQDGTSSLNALRAANLILGFELDMIGVITSMAGLSGLDSIKEELKKSQTI
ARAAVAKASQISTAMTELKVKTESINVLIKRTFDSNVNCP LVGNAPLRKIVFREAEESL
SLLQKIIRELDQVVC SILLKANTLGRIRHMMRNL SAATTNILTRSLVVLNLYFDEKIFGQ
YLLPEMIMNHLKQLSGVPDSIFTSTKEVPAFLNRLCKPVYDTLKVLT LNKNRQORSYIDVM
LGDWASLREEAYIVDVAYHQESNASLPELQPYFSLYVLCVTIDLMDHYVDLGVELQLHCN
EEELGIVFWYRDFLTSSLLSQIT TMRQTKMLAKKMEVAEQVKRQQQQTQKQANNKTQKSG

KKKKGKQKSSNSGGGNAGSIAMPITNPEDIEDDFDLLLLTLKRNMCRCGMVRRFFAAVRQAG
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LSRSIIERLLAQIPLIDPDYSAVKEEELRQLAKVCVGNISYILQKMIQAVNGKGESMPKIK
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>comp13075_c0_seq1; 387 344 1473 LEN=1473; translated
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DRRSVDSQRDSLMSNSLFGTNNLLIDDVSRDSGGDSYGGPITGMSMLGDSNANPDATLE
FVGTGNGQSRRI SMLSTSSGVYFHQSAPPGPLLQAF AIGGNSQSAEAPLLNNMPLNFY
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>comp13076_c0_seq1; 332 1 1050 LEN=1134; translated
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DGSDSIDGNTATCGTKVEYICGDATQLSKYFVTDDENDERHNRTSERMTDENQCAQNNVS
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>comp13077_c0_seq1; 558 78 1579 LEN=1579; translated
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RYGSDIKLYLDFHSALDQVEELIRDISERSFNLFPGEEKTWVERAFETLTASERLSHTT
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VSSSNHVQYDDRNTSHDIKRSSSSVEVLPGLEADDIIPGIGERGILSFLNSKDEDETKYV
PDRPRARSHHEWYGSRRGPETMEFVTSKTRKAVNLDRAQGHFTVPRQOSMDAREDDQFDE
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>comp13078_c0_seq1; 1360 233 3505 LEN=3533; translated
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VRTVSGSRYKLGTPATADGGDKMSPAQMGTPRATVAGVNLPGGFNGRATQPLRSTPTASQ
DRVLNDYVANKGRATMPVGSSTGSDSNEKKKIKFLVFPVGGASALAVGAAIGSGVVSD
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KLPDVKLPDVKFPEVKLPDGPKLPNLP SVNIN VADGVKNL GDAAGGAIGGALESTGIKLP
ESPLSNKPKAPPSVGMGPYKVPMPYLDEKIVQARKEAAAEEAERIAKVKAEEEARQKAA
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ARKATYEQPSMSTYEEWQNRQKLAYQARIKEAASGMSKQEA VVLTSTTSPSSQDNLSTYKR
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ALIAGLTYGYSYQKLQDELASVEETAPPATTRSTSPPVTS SVTVKPPPI SKKVSPQPTTT
SPAPVQSKPESTTSVTMAIDAKPDDKIASITKEVSSRPATTSTSVTTEVASPPPVASSS
PQVNNNGGSYLESMSSVSTDKPSLKT SYSPFNSKKA VSNNSLYDPPLSKSAEMEEINEE
PCAPEFPETSQVGASYLESMSSGNDGLKESYSPFGTPKVAANDSLYGPVVKVKEAQSKIEV
APVVDEANDFNEVDESPVNGGSYFDSLSTNGGSGESSKASYSPFGGTSWQTTSDSLYD
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GGLYSPGNSY

>comp13078_c0_seq2; 1946 233 5146 LEN=5405; translated
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VRTVSGSRYKLGTPATADGGDKMSPAQMGTPRATVAGVNLPGGFNGRATQPLRSTPTASQ
DRVLNDYVANKGRATMPVGSSTGSDSNEKKKIKFLVFPVGGASALAVGAAIGSGVVSD
KGVNLDKLPDASKVLESTKSLGLPDIKSLKAPAI PSPGISLPKFEGVPSLPTPKLPEIGM
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SKAEIEKTKAEVEKARQDALEKEKAAEEAARLKEADAALLKEQVARDEF TLKLQAAEM
AQLKQAKDFAAKLEEAQEA AAKERALAVESAAA EKLAEEAAVKEAAAIAQVRKMSIGANA

ARKATYEQPSMSTYEEWQNRQKLAYQARIKEAASGMSKQEAVVLSTTSPSSQDNLSTYKR
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SPAPVQSKPESTTSVTMAIDAKPDDDKIASITKEVSSRPATTSTSVTTEVASPPPVASS
PQVNNNGGSYLESMSSVSTDKPSLKTSSYSPFSNSKKAVSNNSLYDPPLSKSAEMEE INEE
PCAPEFPETSQVGASYLESMSSGNDGLKESYSPFGTPKVAANDSLYGPVVKEAQSKIEV
APVVDEANDFNEVDESPVNGGSYFDSLSTNGGSGESSKASYSPFGGTSWQTTSDSLYD
VPVTVNADTTTSEASTADIPTAANSRRGSYLNGLSDDSNPSVVKKSYSPFGTKPKAVRD
GGLYSPGTIHETSKYDAPESKYDLPFESERDAIPVSNYLDRLLISITSKTSSIKKSFSPF
GNGKPKAPDNDSLYRAPALDVSLPSEDERDTPVSNYLQRLIVPLSGSSNSKKSFSPFGL
ERGKPKANTSKSASLYSPPNQESTPSHELPSSEERDATPVADYLDRLIVPVSPSASIK
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KDAVNGNFLESHGGSVSPFVENSCESSRESLPSEATNSLYSSLRDVGDNTEVTSENNRIK
KAYMEWCTFYNKESDLRFDIFSAHFKAKEKFKHENGAGLMLNEFSDLTEEEYKATTNTN
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EYSDLTEEEYNELNDTK

>comp13078_c0_seq3; 542 1 1302 LEN=1561; translated
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PFGSTREKSKSPLTSGCDLDETPASSNGLPSEGERDTTQVANSSEPPSEVSTSMITDF
IFDTPPHDHDALYEEPSTDVAYAAIDDTTTIVNNDTDQETSQEKDVSNYLQALSHIASP
LKSSYSPFGSWKKERFLSSNSALYQPPELMSLDSIQTSRVAEDLKEDTESPNTPSKDAV
NGNFLESHGGSVSPFVENSCESSRESLPSEATNSLYSSLRDVGDNTEVTSENNRIKKAYM
EWCTFYNKESDLRFDIFSAHFKAKEKFKHENGAGLMLNEFSDLTEEEYKATTNTNADQS
IFESVIDGRIVSAYRQWCDWYQKDYSEERLQIFSSNFLILERYHGGEGDPSPLVFN
LTEEEYNELNDTK

>comp13078_c0_seq4; 223 233 907 LEN=1199; translated
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IGNGRSSPLYASTASGSLDVIDSWKLLPDGRIQGVISGSGDKVLTSPKRRKRLKEAST
VRTVSGSRYKLGTPATADGGDKMSPAQMGTPRATVAGVNLPGGFNGRATQPLRSTPTASQ
DRVLNDYVANKGRATMPVGSSTGSDSNEKKKIKFLVVSTLMD

>comp13079_c0_seq1; 67 1 294 LEN=294; translated
QEMFDTACTIPGPLTDMFGEACKEAGCWGVFSLTGEQHEHDPKNPNYNTLVLINDEGEIV
QKYRKLWPPIEGWTPGNLGTIVTEGPKGMKVSMIIF

>comp13079_c0_seq2; 236 147 602 LEN=1055; translated
MAWCNQVYVAVANASGFDGVYTYFGHSAIIGMDGRTLGEATEDNGIQFAQLSISGIRDA
RANDQSQNLFKLTHRGYTGVIYANGDGEKGVAECPFDYHTWVNDPLKAQQMAEKVTRST
IGVTCCPVAGIPPPREEEDEELALEHELNLQ

>comp13079_c0_seq3; 411 213 1292 LEN=1745; translated
MSRHGDISSPDTVGCVFQYPMRHLHTNEEVIANAEKICEIVKGVKKGLPGMDLIVFPE
YSTMGIMYDRQEMFDTACTIPGPLTDMFGEACKEAGCWGVFSLTGEQHEHDPKNPNYNTLV
VLINDEGEIVQKYRKLWPPIEGWTPGNLGTIVTEGPKGMKVSMIICDDGNYPEIWRDC
AMKGAELIIRPQGYMYPAKEQQVQVSKTMAWCNQVYVAVANASGFDGVYTYFGHSAIIGM
DGRTLGEATEDNGIQFAQLSISGIRDARANDQSQNLFKLTHRGYTGVIYANGDGEKGV
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>comp13081_c0_seq1; 709 319 2394 LEN=2525; translated
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DLTTDATPMKPLLALRRGGGGSNAQNGGVLKGGKAVITRAASFVKSTVGGAVDSVKSKF
RSEDSKREALLQALEVMVPRQVVVPNSTVLPPDVVVRTAVKRSGIIGGPLKMDRVQELAR
NLKRWYMRQGYVLHVSVTGASLDPDATASISVEEPLVSGLPVDIVFCKEMVVDDDDTGLV
TFKKYRAKLLSELEKKRPAGLFRAPDLKIDRSQNLNTTLVPTTGRDPTKIAKAMKLVKPG
TPFRWLDTRWGKIASGIFSKVLKASPEPTTDGGVCLQVYAMEPPPRHLEYGIGKSVWNTN
SWEGEVDFDWRNIFGGGESVGMVRRGTDSSPSIRLRYGDDKFGLEGGYDVEAFSDFLG
DTGSKKEDSEEKQESDSSDFEDSLLSRRGTTFRRLRNPI SPSVVANSVASASLERTSTTT
GQLENIGSASLTLGPFRRFMPMDGKTSVSTTISGGARLVGKESDGGGVGSI SFACTGLLP
YSSASATTKQILPITLSSSRDKNNDKVPI SLALQHTVSASTPNLPRHEAKAMGNSAQIRG
AVADDSATTVVKGTTEIRVPAAPKIGSGSVLFGDWFCQAQKDMNSPFYKSSIGVGLRK
NIQGLPLKYDVCYSSEGGKIKTMFGMGADFV

>comp13082_c0_seq1; 365 224 1546 LEN=1615; translated

MEFSSLNSAPALVPHAI SLSLQDWFHSSSSVLPQVLLMDGGVSTHLENI I SPKSFCNRS
WSSSLLLSEGRDFIVRGHQDWLSSGCDILTTVTYQCHYGLVQADVPQNPSITRGCKNNL
STAIAATATEAAQGLNKEEGIGSDEMQLDATKPTQFKMREMMVDGIFLARKAIKERTEP
RRLTSFSTPFVALGPFVFASTGPYGAAMADGSEYTGKYPHVTRREALVCFHSRKAHTLLV
EGKPDGIAVETIPNLQEVGVVCEVLRDLQQRREDREPPVACWVSLACRNGNELNDGHTIE
EALRLIQLHDPNGKWITAVGINCCDSAFIASLVRTLIRVDGGRRSIVIYPNSGENWDAAN
EDWTEGSGAADHQIADRLMEAISIIIRDAFQTERTSEALAEATNKEAPKHRVPKIVIGCCR
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>comp13082_c0_seq2; 214 613 1648 LEN=1717; translated
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KYPHVTRREALVCFHSRKAHTLLVEGKPDGIAVETIPNLQEVGVVCEVLRDLQQRREDRE
PPVACWVSLACRNGNELNDGHTIEEALRLIQLHDPNGKWITAVGINCCDSAFIASLVRTL
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>comp13083_c0_seq1; 367 119 1126 LEN=1415; translated
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FGLIQLRGWVLYLLFDTIENHVVEPAGDSCWYDNMSRGNQGSCKATDFSDHVVLFFAQ
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>comp13084_c0_seq1; 770 122 2067 LEN=2130; translated
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TSESKRQAVHKERMAAFRRSMSIRIANKQDPDLDPISKFDELEAPCWWRGKRSSTNSNN
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GEIRSLILAPSRELAQAQLYREVERLGLGKPGGISSLLLSKSNAAQVIAGTAGGKGLDAL
VSTPLRLVDAIEKGLRLDSVRLVVLDEADRLDAVDGKSTKRRESKHKQSKKDDSDSSEG
EDDGEAITQSSGSDQSHTFLVQMDRILSSIPSTAVRALFSATVTPVTKSLAENILRNPVD
LKIAAAGSYGGANTDIEQELMFVGREEGKLLAMRQLKQRGDLKPPTIVFVQSQRATALF
SELLYEKMHVDVITQDDRXTARDNAVAKFRRGETWVLICTDLVARGVDFRAVNMVINYDL
PTSGITYVHRIGRTGRAGRKGKAITLFTESDFDNLRTIANVMKQSGCKVEDWMLQLKRRP
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>comp13084_c1_seq1; 339 1 1208 LEN=1208; translated
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ILLKTLQKTIIFEKDVSSALQREYGVKFRDPKSKDVKDNVAVNAGLTSKGVSSMNQKTPK
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VDTRGNQPVYTSSTKLFVYIKGSITRCTALTGNFTYLLHRAFQDSLRYKTVVLSRKLPP
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>comp13084_c1_seq2; 721 156 2306 LEN=2306; translated
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DAMSGGILLIDAIGKEARIEFMTGIVQDYLVDYSKIYKPVKEQPKKEKARVSSFMAQPEN
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TSKGVSSMNQKTPKNRDEQSSANDGDGRAPTLQEEVDPLLGVASGAFDKYMRPYIALEEK
SMDEQLVSALEDRTVDTRGNQPVYTSSTKLFVYIKGSITRCTALTGNFTYLLHRAFQDS
LRKYTVVLSRKLPPPLAEKSVGPLNMPVPVFAASKQIQEPTPAQVASYRVPPGEEVTVCHV
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>comp13084_c1_seq3; 1099 156 3017 LEN=3174; translated
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VASLEKIRIQVQTKASQSEKTVREITKDMKRLDCAKRHLQRTITTLKRLHMLIHAVEGLR
QSCLLQPHPDYKSASHLVDAATRLLLKHFDAYKHKVEPLGLLSNKVDDLQGELKFRLVRGF

RIVGFGVEKTREFEKKKSKLKS LVDPEDDPFWQAEKEQEEDDSSEGNETTEEFELPPTMTP
DAMSGGILLIDAIGKEARIEFMTGIVQDYLVDYSKIYKPVKEQPKEKARVSSFMAQPENP
EDDVKPEFALEFVEKRFVWFQNM LTEIQQKFPGVFPPYWNLEYHLTKNFLRRTHGHL LAL
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SKGVSSMNQKTPTKNRDEQSSANDGDGRAPTLQEEVDPLLGVASGAFDKYMRPYIALEEK
SMDEQLVSALEDRTVDTRGNQPVYTSSTKLFVYIKGSITRCTALTKGNTFYLLHRAFQDS
LRKYTVVLSRKLPPPLAEKSVGPLNMPVPV FASKQIQEPTPAQVASYRVPPGEEVTVCHV
IGTCEYCAETVEALEDLIRDTV DDEFKSKIDMMGTQEA FHEITAKCIRILVSGMENRLEE
PLKTMSSSTNWATFAEVGEE SDYVRDIHKEIQPFVSTARGLIPKSYFQNFCDKFALGFTST
YYDNLVRLKAVSEPGSQQLLLDVYNLKT LILKLPVLEKSPVSTSTTRKVTGSTIAPAMYT
KMOVQKQFKKIELLLKMTATPVNLLVDVFKDQWPGGTVNDFQQVMSLKGIQRTHQVKMFEK
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>comp13084_c1_seq4; 717 1 1919 LEN=2076; translated
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VDTRGNQPVYTSSTKLFVYIKGSITRCTALTKGNTFYLLHRAFQDSL RKYTVVLSRKLPP
PLAEKSVGPLNMPVPV FASKQIQEPTPAQVASYRVPPGEEVTVCHVIGTCEYCAETVEAL
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EVGEE SDYVRDIHKEIQPFVSTARGLIPKSYFQNFCDKFALGFTSTYYDNLVRLKAVSE
PGSQQLLLDVYNLKT LILKLPVLEKSPVSTSTTRKVTGSTIAPAMYTKMOVQKQFKKIELLL
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>comp13085_c0_seq2; 621 1 1095 LEN=1184; translated
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FLEKPGATTVGELERM RGIAEAA NVGVFMGFNKNVSSYLT KTRDFVEKSSKCDVTF LHNN
NYKDTEEELSECFERNSEGMLKNMAIHELAI CVTYYGVTVD TIAKVEADKEYSCLKTLGN
FTDFVRLKFKLVTTDGVEISVAADRCGGDDSVGIVTDAETGKEMARFAMPDEDTIANIPS
LQEKYGDAMPYFFTQDPDY LK LKELVVDVAVVHGRPATGVADIGVAIETLKV AEHLTPILQ
EQLK
>comp13085_c0_seq3; 355 116 1065 LEN=1196; translated
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TPESKAIPTIVFYCTIGYRSGREARQLVDDL SGTFGIEVGKTV EVKNLDGILAYSFVEDA
PPLMSSNKSTQTS SDFSMTKRIHSFGKEWSEANPSFEVVYFKSKPRLAKHLLQVGVASA
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PAHFLEAEC DATNAMP
>comp13085_c0_seq4; 427 1 1060 LEN=1060; translated
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FLEKPGATTVGELERM RGIAEAA NVGVFMGFNKNVSSYLT KTRDFVEKSSKCDVTF LHNN
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>comp13087_c0_seq1; 451 161 1003 LEN=1379; translated
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>comp13088_c0_seq1; 434 1 1532 LEN=1532; translated
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>comp13089_c0_seq1; 1238 165 2570 LEN=2570; translated
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>comp13089_c0_seq3; 301 1 617 LEN=883; translated
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>comp13090_c0_seq1; 251 76 684 LEN=1897; translated
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>comp13090_c0_seq2; 192 581 988 LEN=2201; translated
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>comp13091_c0_seq1; 324 1 1007 LEN=2201; translated
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>comp13092_c0_seq1; 1066 1 4615 LEN=4797; translated
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>comp13093_c0_seq1; 257 338 841 LEN=1090; translated
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>comp13094_c0_seq1; 292 98 805 LEN=1515; translated
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>comp13094_c0_seq2; 327 98 1042 LEN=1571; translated
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>comp13095_c0_seq1; 561 261 1844 LEN=2215; translated
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>comp13096_c1_seq1; 575 84 2115 LEN=3097; translated
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VLPECEDEFADVYIQTSEYSKLTNEIAAAKVDPPKELKVAYLTEFAVPRSERQKLANKRL
RTIYWRSPAYNLARLMVCVIAF ILGSV FVTERNLQVLTEDKMRAYFSITFLSFIIVGILS
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>comp13096_c1_seq2; 1099 111 4298 LEN=5280; translated
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>comp13096_c1_seq3; 1221 111 4754 LEN=5206; translated
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SFAVCFWLNLRQLTLWRRDKRVL IANAVKNSIMGVSVGGV F YQTDDVISILGVLFQGML
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TIYWRSPAYNLARLMVCVIAF ILGSV FVTERNLQVLTEDKMRAYFSITFLSFIIVGILS
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>comp13096_c1_seq4; 1141 111 4222 LEN=5204; translated
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NTP I ICGDE I SNGLDAGSTFEI ITAMSYIGKIREKLQV I SLLQPSPETVSLFDEVILLGE
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SVFVTERNLQVLTEDKMAYFSITFLSFI I V GILSIVSVLPVMLAIRDV F YKQLAAGMID
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>comp13096_c1_seq5; 1263 111 4678 LEN=5130; translated
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SVFVTERNLQVLTEDKMAYFSITFLSFI I V GILSIVSVLPVMLAIRDV F YKQLAAGMID
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AFMCLVPTMATAQILCSVFI GLNNFSGLIVRPQYMRNIFAFTYWITPGHFVYEG L ILSQ
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>comp13096_c1_seq6; 617 84 2039 LEN=3021; translated
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DWITWAYIFMCGHILLSVVTSAI I LSSVRVHKKPPPSFES IEMKDTDL SKQSQNEETSNS
DVSIPFKPITLSFENICYDVKASTGDEDIRLLHNINGHFRAGRMCALMGESGAGKTTLMD
DVIALRKNSTVAGDIRINGFPQE QSSFRRC SGYVEQFDIQSPQLTVRETVIFSGLLRLD
STKVKTNKEKEQFCDTV I KILELTPLAHCLVGSDEEGGLSFEQKKRLSIAVELAASPSIL
FLDEPTTGLDARSASLVVKKLRKIADQGR TICATI HQPSSAVFELFDDLLLLKKGGRSVY
FGELGFQSR TLIKYFEAYGATKIKPGDN PANWMLRVLPECEDEFADV I IQTSEYSKLTNE
IAAAKVDPPKELKVAYLTEFAVPRSERQKLANKRLRTIYWRS PAYNLARLMVCV I IAFIL
GSFVTERNLQVLTEDKMAYFSITFLSFI I V GILSIVSVLPVMLAIRDV F YKQLAAGMI
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>comp13096_c1_seq7; 697 84 2571 LEN=3023; translated

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LDSTKVKTNKEKEQFCDTVIKILELTPLAHCLVGSDEEGGLSFEQKKRLSIAVELAASPS
ILFLDEPTTGLDARSASLVVKKLLRKIADQGRITICATIHQPSSAVFELFVSIIVSTKQSD
RWHALTSSIIACLQDDLLLLKKGGRSVYFGELGFQSRITLIKIFYEAYGATKIKPGDNPANW
MLRVLPECEDEFADVYIQTSEYSKLTNEIAAAKVDPPKELKVAYLTFEAVPRSERQKLAN
KRLRTIYWRSPAYNLARLMVCVIAFILGSVFTERNLQVLTEDKMRAVFSITFLSFIIVGIL
SIVSVLPVMLAIRDVYFKQLAAGMIDNDVAGWALGVAEMGFIVLASFLFCLVYLSTAGSF
PVTFMRAFKFWGFFTFNLAIYSYFGQAFMCLVPTMATAQILCSVFIGLNNFFSGLIVRPQ
YMRNIFAFTYWITPGHFVYEGLLISQYWGDRKVIATEGSDFYIWLRCRDRIDDRETCEGS
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>comp13096_c1_seq8; 739 84 2495 LEN=2947; translated
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LDSTKVKTNKEKEQFCDTVIKILELTPLAHCLVGSDEEGGLSFEQKKRLSIAVELAASPS
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QAFMCLVPTMATAQILCSVFIGLNNFFSGLIVRPQYMRNIFAFTYWITPGHFVYEGLLIS
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>comp13097_c1_seq1; 276 1 790 LEN=1139; translated
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MADSGGPQRDFDREEGVTETVVGYSGSTSRDTETPADQNPTYRNVQDYAESIRVTYNKDK
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>comp13098_c0_seq1; 319 146 673 LEN=1155; translated
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>comp13099_c0_seq1; 1066 254 3628 LEN=3902; translated
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LVAI LATALMVAKKNTRNSPMSTESSPSGDEMMVDLPTDFGNDLESNDADGNSFSGEGET
STGDI AVATPWDMPRVPPPSIAPESFPTENQSEFGEIGIPSRPPFLSQPTDQPTTSSEVP
FLDW TWDVVGSGETIIKGTQIDQRFGESVAISEDGNTLVVGSPPNALGSGIVRIYQK
DAGNDNG GDFSWKPIESLLGRQQGDGFGTTVALSKDGRVLAVGEPESDGSSTGDKAGN
VRTYVYSPFG YVSRGPDLEGTGATDHFLGLLALSGDGSRLAIGAPYQDNSFVQLSTA
AKQRGSGDRIGGG GSSLRSGSNGSVGSNGNRLVSGAVIVYEWSEKDRKWIPMGAPLMGE
SNLDWFGKSLDLSN DGSLLCVGSPRNIQSGGHVRCFKESEDYAVPSSSDGSKLIETEF
SVRWKPLGDP IRNTEP PVRSDDNFGASVSVSTDPGKRYVAIGAPGKNGANSEEIDRGE
VTYVEFNPETSERGWI RLGREVLTPTNEGRDFRMGHSLLDHHDKLVGMPGADMAEVFE
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RD

>comp13099_c0_seq2; 1066 254 3628 LEN=3918; translated

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HSQRSSPIRKNLRESMSKVAKAFSSTAKATRPVPLGSSMDHPAKTAAASNSSSGDHGARN
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TWDVVGSETI IKGTPQIDQRFGESVAISEDGNTLVVGS PNALGSGIVRIYQKDAGNDNG
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GSSLRSGSNGSVGSNGNRLVSGAVIVYEWSEKDRKWI PMGAPLMGESNLDFWFGKSLDLN
DGSLLCVGSPRNIQSGGHVRCFKES EYAVPSSSDGSKLIETEF SVRWKPLGDP IRNTEP
PVRSDDNFGASVSVSTDP TGKKYRVAIGAPGKNGANSEE IDRGEVTVYEFNPETSERGWI
RLGREVLT PPTNEGRDFRMGHSLLDHHDKLVGMPGADMAEVFEFEQDNWRWIRHPRLF
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>comp13100_c0_seq1; 152 84 857 LEN=1200; translated
MDPDYSSLLTTPMLMRGGLLLLVVLFQWFVARAPNVQKETKRRFQHALTGHALVQISYV
LPKSI SLLMLLIGSIGMYLAKTFFFEQFLKAFGGLLRPKELSGEVLPGAFYFLIGTAITI
SGLVTS DIRIARYAVECLALADPMASWIGSSIRSPRLYTIETDQNGGTRTSSVAGCLACF
GTALVIGWGMMLLVGDNDNGNGNEADGNPVEFTLSTLTFAGALACTIAEGLPFGNDNLNIPV
ITAFVVDTVASASAPSR
>comp13100_c0_seq2; 366 136 797 LEN=1140; translated
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>comp13100_c0_seq3; 423 1 1853 LEN=2291; translated
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NPTRFVPNGVDEMLINGGGDYLDPAFTHGTRTGGGCDATDATTANVERVVFDNCTESTGM
PCYSTAVIGNASLSWIEKQVLETKRGRSGSCGSSLDKGRPRPFALVSVKAPHIQDNGGFP
VATPAPWYRDADIPEAEAPRTPNYNATDAPGSSGHHLVVRTQPPLTETEAAARVDELYVSR
LKTLLSVDDLVEGLVETLERLGLVLDQTYVLF TSDNGYRLGQFRMPQCKLHPYENDVRVPM
MVRGPGIPSGRGGKTESETERGGTLF SHIHLVPTLLGLATGKHGSQDILPGAMDGTNLA
SAML DGGGHRRAERPVRQTSETTAANKTSASSSAVLSPMRQSATSLLIEYTS LGNVVRYD
HLIDTYNHSFVALRILPRRPTVAPAPGLAHNATPQGGRAGGAGRSPERRRAIVKGSTASA
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>comp13100_c0_seq4; 85 1 734 LEN=1077; translated
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AVECLALADPMASWIGSSIRSPRLYTIETDQNGGTRTSSVAGCLACFGTALVIGWGMMLV
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APSR
>comp13101_c0_seq1; 248 88 1103 LEN=1103; translated
MIKPNVFP GSKAVLLMLTTVTALLQNAAFSSTEIPEFP TKRFIPWSQLNWVEQHDARFLL
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YIGNSWHEELVDEHNVSWAFAELGWSEYTWGSENPDWPESEEKQYNELTPAERHAADRIC
LPQQWLWDGVP LTHWNFVDGRSDVELTYEENYINPRIDVIHNI EAAEEDVDIVPVA AE TI
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>comp13102_c0_seq1; 133 1 1619 LEN=1668; translated
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KTGVPLVPVLP SVWARVYRFEGCGQPEDTGHNAFGCGFLPAYGGECLSRRIEHDLECLSA
MKVGPLQAMALPRHGIPSSVCGEARDQLPAPEVGASFDPETYQYGE GPPDALREWCPSCN

PPFRYESESKNPLLGWSIDSADPDLPMGMEDVSALGRAFPPELLPLWRHSASGGDRSSDI
NSSDSDGPKTLCALEVPPVLCGDPDRRVCCFDELTI PKRFLPTGNGDPLSKETNLRDPAL
SAFLTRFGRASRRRIAALHRPWWESLDDAWRDALSTGSCATLHIRRGDNISRCRDEGMTE
FCSMDKTLDDYMERAVPMLLEALGSSKHVFMVMTDDPGEVTTARLAPWREREGYSIEAISGHN
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>comp13103_c0_seq1; 427 1 1337 LEN=1467; translated
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FKVLINTTTNDANANIDGNPKENGAAPEWSRTDRSTTRQSPPLPPPPTTPPTGEP SAT
ANFIDTDRIKQVASLLNVKLGSSPEETDPVPTKKAPPKPKDYDPSAADIRAKYASKLKGG
LAGIELAKSQVSETLT KGDAAGHLAARKIALMGDTTAAGATGGGSKKWLPSQAATQLLTL
LTHRSIRVCLLPILSAGPGGADGSGEPRMEDFGAQLKNVVIDNMVPSLGSGGDGEDNED
GIENALRKGVLEDELDPNRVLLVSDRDAYLRAGRDMGMNICRIRARNARRGNITAYTYI
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>comp13103_c0_seq2; 429 1 1322 LEN=1452; translated
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FKVLINTTTNDANANIDGNPKENGAAPEWSRTDRSITQQSPPTTPPTGEP SATANFID
TDRIKQVASLLNVKLGSSPEETDPVPTKKAPPKPKDYDPSAADIRAKYASKLKGGLAGIE
LAKSQVSETLT KGDAAGHLAARKIALMGDTTAAGATGGGSKKWLPSQAATQLLTL LTHRS
IRVCLLPILSAGPGGADGSGEPRMEDFGAQLKNVVIDNMVPSLGSGGDGEDNEDGIENA
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>comp13104_c0_seq1; 561 612 1793 LEN=1883; translated
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SSAMGRGKQFQFSEGMGSGGLDAHVSAINADREDRNLSPVVAIHVDPWPKGALKKEWQAE
SVVFLDDSTEDTARGENLHPNGEDEDDETSFGGMIGGARIPSGSLFQKVAVAGTFDGM
HYGHRKLLTLAISSVSPLSGELLIGVTVDEMLKHKSFSEDI PNLEERMAGVRDFVYRLAP
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>comp13105_c0_seq1; 273 65 1009 LEN=1462; translated
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ATSAEKLESEPI LTRKALFNGNRARSTRSVPLEWSPKLDRI FDN SATNSNAASDINRLPN
DGT LIVKGISDPAPSATGLKPPDISRQGPLDHIP IASSPELDRVFDNSPSSPSIMFEIDE
KPEDENRRVIDKFS DPSTKGTSLTEISRQQTSYQNIYKVPKRDNIFLRSSKRNP LPPYR
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>comp13106_c0_seq1; 378 125 799 LEN=1331; translated
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AQKGCYALTEAETLQVLNFMFPQEMVEIHLMVEDLHDMSEAKQEEFLEMIRS YNTSVETM
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>comp13107_c0_seq1; 334 189 1208 LEN=1273; translated
MAVHHSHGRQYLTEVTYLNGESRAKETGSSFEMMGITTPSNDAMIEQQRKA EHQDFLVLA
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QFLEIGFYQGWGFEAFSNFLPTAEKHSMEYS CAEPGPFKEGKWPYENPAQKHSWYESLLK
GNRLHCGDASSYSFLKKTWDTYMNRTDAPPLMVVIDDGSHFADHMATSLFFWFPRIQPGG
ILVVEDIQPISMANKFRTHIVPQLMKDLHWC GGEGKASVKN DPLCFPTISPLLQGIHCEM
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>comp13108_c0_seq2; 268 75 800 LEN=826; translated
MASANELSSPPI SNPEATTDASEWTSFDPSSDLTVSAAYHLCISAVTPRPVAVITSRDPD
SNILNCAPYSYTS LAGHPVVVTHGFTVSRAAGKRD TLRNIEKCGEWVYNVLSKEYLEKA
NACSASLPYEEDETEHSGL EVL RDCSNASGVPR LKNALVAMECKLIDKKEITNDEGRHTS
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P
>comp13109_c0_seq1; 1064 221 2995 LEN=3003; translated
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NRRDKYVQQELIRKVGLRAVRQAGGPIFSDVEAFLTTEAYPVVLKPTESAGSDGVKLCYT

YEEAKQHFELKLMSSQMVNGGECPSVLCQEFLOGDEYVVDHVS RDGVHKTVMIVWYDKRKA
NGGDFVYFGMKPVDPTTDVAKILIN YTRRTLDVLQITNGPTHSEIMMTSEGPCLVEVNCR
AHGGDASWTP LARALTGGYSQVEVSADAFCDPGAFDKIPERPAYPFKASGQEVKLVSYSK
GKVKSTPGYEV LKMLPSFVHMDGIVSVGDHVDYTHDLITAGAVIISHPDAEVVKRDI EF
IRLMEQINGFFVYESQPTQLTNPDDKVRRTKAGTKNHRRLLSADGPNLLRMSNDRPELC
RPLVRHMTTIDSSKEAVVITDPYSTGCVVASEVMKRGFSVIALWTKDISDELRYHTPLSC
SGMNEFFATIIEEKDDL MATMEEIYNVAGTKKIVACFAGGEIGVDLADRLSERMKLRTNGT
KHFNR RDKKVQOEIIRKHGLRSVRQAGGAEFSEVEEFLKTESYPVVLKPNEAAGSEGVKL
CNSFEEAKEHF EALMASQLQVGGPCPSVLCQEF LRGKEYVIDHVS RDGIHKTTMLWSYDK
RPLNGSDFVYFGTLPVDANSPEAKILIPYVRGILDAMEIANGASHAEVMMTPNGPCLVEM
NVR AHGGDGNWVPLASALTGGYTQVDATVDCYLDKQKFATIPDVYPSPFNAAGQEVYLV S
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>comp13110_c0_seq1; 408 86 1213 LEN=1329; translated
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SEWIEDDMEFFTD SSVRIHPRGATPLTDHLRRIHKS LQHMETKIVLVLATDGRPTDGF GF
VSPSVDRDFEMALRQVQSKAWIVVRLCTNDDAILKYYQRLDEQMELSLEVLDDYTDEARE
VGEHNPWLTYGLGLHRCREMGMSCHA AFRFLDWLDERSLTRDEIRNTLRET FGLIDGSFG
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KRHGCKTQFYMDQRIW

>comp13111_c0_seq1; 763 39 2663 LEN=2763; translated
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RQGHRNHPREQLAYETSKGNTEHEL SMRNLYE CRKEASRLGLIGAPPMGGFEPTEKNGE
RQFY PQNQIIGIGDNDS DLSFCQNSSKEDGNKPLLRMF EIDTVDSRATNSVVRFL EAH SQ
LVLTIDKALYWLKISSGLHWGLGAHSQSVERVERAAMSRAFRVATREAVKEKDNPSKHSD
NALANVSTSSKSMISAATAIATKTTNVAVPTTSPSVSGKHERKGGPQRKVDTSSILALAS
TRRNIAQVIVHEAQSIVDV FVAVEDDLARRRQKRREDKTRSDGEIVDDCGVETNSVNHE
EDHDSVVKYGTLTMP EVIDLVWIKKSRKHIAILLTDCAEF CGWSALGALSSVASDETQT
ISTLQSRSYDLLNESTRTAMN LREYLASNLLDESSTSSSSTLSSTSVFPISSRTTENNY
CEFVLPLLR YRQQLDALDAALWSFQMHTNHQCAINTLDAPSEAASSVNESDPTLTRQNP
SHFDEDDPNIDSMIITSRLAWWKQVKQLSATCQTLEYQIESR LFP LTHEHDENQNASEGDS
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KNSRV DGETSNPLGKSSSSTMYMPAARDPFSEQLLVRELQNR IEAVAALREEYPQEDSSS
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>comp13111_c0_seq2; 760 39 2648 LEN=2748; translated
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RQGHRNHPREQLAYETSKGNTEHEL SMRNLYE CRKEASRLGLIGAPPMGGFEPTEKNGE
RQFY PQNQIIGIGDNDS DLSFCQNSSKEDGNKPLLRMF EIDTVDSRATNSVVRFL EAH SQ
LVLTIDKALYWLKISSGLHWGLGAHSQSVERVERAAMSRAFRVATREAVKEKDNPSKHSD
NALANVSTSSKSMISAATAIATKTTNVAVPTTSPSVSGKHERKGGPQRKVDTSSILALAS
TRRNIAQVIVHEAQSIVDV FVAVEDDLARRRQKRREDKTRSDGEIVDDCGVETNSVNHE
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SRSYDLLNESTRTAMN LREYLASNLLDESSTSSSSTLSSTSVFPISSRTTENNYCEFVL
PLLR YRQQLDALDAALWSFQMHTNHQCAINTLDAPSEAASSVNESDPTLTRQNP SHFDE
DDPNIDSMIITSRLAWWKQVKQLSATCQTLEYQIESR LFP LTHEHDENQNASEGDSGSNSN
NL SKININNANEAQSYEHGNDKELPDPDQRKAKSTKTLVFSGEGAKKKQSAKKARKNSRV
DGETSNPLGKSSSSTMYMPAARDPFSEQLLVRELQNR IEAVAALREEYPQEDSSSVGSTR
EPL EEEYEGKESPKNTPSTNPKMNNVT KRKTEVATSIFLGASGSLLD ELKMTIGPTLQADE
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>comp13112_c0_seq1; 418 155 1204 LEN=1288; translated
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KTR EEHQLAAATSLQ MALKTFDTAVIKL DKLKVLGRGGFTENDVAIMEMEIKSLDWNLH
PPTVYCYVRQFGRMIPRGTRNSTKEVIDDMAKLI AEELVLDERYIRYNPSVQGYSCVLVA
LYFIPDYDFPQDLREIFFMRLTKTMNL DNNSPLISKVMRKIYKSLKHKDKLQKIIDISMA
KTNR IELLEEDLGNDEEKEKNSKSGRGSKVAQEHHS PRDVKQKLRITL

>comp13113_c0_seq1; 591 187 1843 LEN=2375; translated
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NNRDENLEASVTEEFNVETIDKNNDKFEVSI TDEFHYDYIEKNDYGNPELSITDDFNFD
SADDENMEMSITDDFNSTTEKSDDEYLEDFIEEINQENIEISITGEFLFDVEAQEQSSI
ISSLRESRDPGGPSISSFNPSLETFDREDDAAQKSDSEERKVPKRGLTKSQWAKSVAADI
TSTPSANSLNSEIRRPSSKSDGNDDIYSATSVLNFRLKKAQRNSFVRRNMKDPRETSSN
ASSQQVSSEGEVSSGKNKPRTREELRNSLQKQVTARLKKSNNGDENGSTDDVKRSILG
IVKEGNSDGEDEEKEKGEVVEGSATSEDNKENEGDEDEGEGDEEKGLKRQSECLKDMKG
RALHGVDTSV

>comp13114_c0_seq1; 276 98 985 LEN=1385; translated
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EEEAFRTEGSVNTDGGAGHAYKGI ELENKYNVHQMDLFAPPSPTRHDNAEQNKTKAE
LKTEKMKRKEERQRKRQEKEERHQRRQERKEKREKRRRKRARKQRDHSEDNSREEKEKI
RDNSDGEKEERERGRNRKHNSDASPDDDYHKTERKDREHRSHRHEKRRNRSPN

>comp13115_c0_seq1; 897 914 3989 LEN=4084; minus strand; translated
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FDSPLHCWDTSKVTSMQSMFHKAIFNQPIGAWDTSKVKYMNMFFAARKFNQPVESWDT
SGVQNMFGFLSRAVSFNQPVGKVVVTVNVYMERLFNSAYAFNQPINSWDTSNVYMKHMF
FDSIFNQPIESWDITHVTAMNMMFGKAAVFNQPIGKWDTSHVNNMRGMFSNATAFNQPLD
SWDISKVKNTMDMFAEANSFNQCLYLWPSEVAGRSKPPKTNRMFTNSGCPNKSAAANSLET
WCQTKDDSCAAPTAAPTSPSTVSSRPSFKGETWEPSNSPTETPQTEIQFTVQVIIPPDEV
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GVSVPPEEPSSAPSVVNASNAPSVGPDPAEGNINTWELLGVGKPEENKPSAIVVSMDFPF
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VGXTTELMVDFGTGTPGDPDPNVIDTVSFVDTRFVVVDVIIRSRFGSIFTRVSI EQTDATS
AEAKVSESDVTAFCVDENGERFDDSTIQFTIGQYFRLCVSVLNDDDETNEFKYLP SRFE
EVICKNDGLSRYLVDDYADGLTEVDLSKAASNILSLKSVITAGYFAKDETTFDCSGTVS
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VLVLL

>comp13116_c0_seq1; 312 120 1076 LEN=1198; translated
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DTLWKYVNEKVPVLEHTGSAAFDEHLKGVQAVLRYWGSVHLTNAGLFHSIYGTEGFQG
FSLPLSERSAIKELIGEKAEKLAYVFCMVDRSTVDET VFAWKEEDSMSNASIYSFRARPE
LGRFDITLNKEEWLDFIELSLADWLEQVEGAATKPNPLFLWEKGEAYAYRRLAYRKMNEI
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LRPQPSSGETFPGLNEL

>comp13117_c0_seq1; 16 1 409 LEN=865; translated
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VLLAAACFAPRGAAAE

>comp13117_c0_seq2; 217 124 1096 LEN=1189; translated
MWWFFQEGPDAKHKTWVHPVATFLFHYAVVGTSVPFLHDALVGAVYGPGLRCTVPPETE
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LVAQAFCLAAGIDQLLWYVDIAGFLVVGTFPIGVCKYLFAPGTNW INRMTSTHHLWTIPL
VLWVSGGALHPVALPLSFCVVGTSALVSFCLTPVAIRAPHGSDPDIYLVNLSHEMWAD
VQWDIFRIGEERIPYLLRLVCWWSITNAIAFVVLFGISWPFAGGAARAFADATKQMW MRN
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>comp13117_c0_seq5; 58 1 599 LEN=692; translated
XRCDAMRCDGACCDVPNFFLWRRGTFPIGVCKYLFAPGTNW INRMTSTHHLWTIPLVLWV
SGGALHPVALPLSFCVVGTSALVSFCLTPVAIRAPHGSDPDIYLVNLSHEMWADVQWD
IFRIGEERIPYLLRLVCWWSITNAIAFVVLFGISWPFAGGAARAFADATKQMW MRNTSAG
FRPSRTMPTGATTSITHFY

>comp13117_c0_seq6; 175 124 906 LEN=1362; translated

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>comp13121_c0_seq1; 725 290 2671 LEN=2854; translated
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AAPTPQSREDFRKM MKKQLS I GNSNGDRQRKKTILSDVSGYAAPGEILAMMGPSGSGKTS
LLNCLSGRNPYNAGVVS VNGKPLGGADMKRLMAKIAYVKQADIFFEHLTVRDQLGYTAML
RLPQKWTKEKKLDEVEEII RLLRLTKVAESKITMLSGGEKKRVNIGTELLTDPVALLLDE
PTSGLDSTSAVALIRMLQKLARSSHKTIITSIHQPSSALFHSFDRLIMLAEGHV VYFGRP
RDSLQYLRRHKLDPCPDGYNAADHWMDLLVQDSAIEHENEDEDDCAVHVDSSPLTASSTVE
CDVPSE RQNKMKTTNDNSRKRSTAQPRPDRKRGIGMTKRERLIGVWDGEAVAEQIDLFVE
QRQTNNRLSQELVLADTNKKKTAQTQKSKYNTKWGFQYKTLVHRSLKNSQSAIFTPINLV
KSCALGLLSGLLWFRMSYTE SRIFDRSSYFFFTMTFWVFDAMFQSFLLP SERAVVLKER
ASGSYQLSAYFMGKTTSEMPARLVPLIYMVISFWMASISDQFSMFLGTTFISLLSVMAG
EAIGLLVGATIYDTEKGMTAMTVIALFLALVGGFFVENVPSFLVWSKYLSPFKYSFDASL
QLVFDKVPVPCDGSVGVESICHGSDEGTITPDEVLEFLGVQGSVGFNVGILVTIGLVP RYL
AYLALRGKKEGDR

>comp13121_c0_seq2; 722 290 2635 LEN=2681; translated
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AAPTPQSREDFRKM MKKQLS I GNSNGDRQRKKTILSDVSGYAAPGEILAMMGPSGSGKTS
LLNCLSGRNPYNAGVVS VNGKPLGGADMKRLMAKIAYVKQADIFFEHLTVRDQLGYTAML
RLPQKWTKEKKLDEVEEII RLLRLTKVAESKITMLSGGEKKRVNIGTELLTDPVALLLDE
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RDSLQYLRRHKLDPCPDGYNAADHWMDLLVQDSAIEHENEDEDDCAVHVDSSPLTASSTVE
CDVPSE RQNKMKTTNDNSRKRSTAQPRPDRKRGIGMTKRERLIGVWDGEAVAEQIDLFVE
QRQTNNRLSQELVLADTNKKKTAQTQKSKYNTKWGFQYKTLVHRSLKNSQSAIFTPINLV
KSCALGLLSGLLWFRMSYTE SRIFDRSSYFFFTMTFWVFDAMFQSFLLP SERAVVLKER
ASGSYQLSAYFMGKTTSEMPARLVPLIYMVISFWMASISDQFSMFLGTTFISLLSVMAG
EAIGLLVGATIYDTEKGMTAMTVIALFLALVGGFFVENVPSFLVWSKYLSPFKYSFDASL
QLVFDKVPVPCDGSVGVESICHGSDEGTITPDEVLEFLGVQGSVGFNVGILVTIVSFCNIS
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>comp13121_c0_seq4; 314 290 808 LEN=1026; translated
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KGSSSTDSSIHGQEIADSGNDNDNDNNNDNNNDGIHLKWSRITKTVTIRADNSGLLRGSI
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>comp13122_c0_seq1; 875 1 2351 LEN=2500; translated
XDPLGFGTVRTGMRIGIPHVEQESIDTGTHTVQHREERLRSGVAVANTGPRVSNTRLRELT
DDRS AFLGRILVRNSISTKHDCFSFENGAKD GWH SQPADPC SATATGDAIGFCGPPGSSM
RPIASANDSSGGIPFC SVPISIDAAADGPVAADNHTAVDVGSGAHQDTVESRSEIGIGVD
TAHAPSSSPDDATGSKFTAGNVTTGPASDKDSKGNKNALADDSNGDSETKGGLLP SYKQ
LIVFTATTIL IWLSEPLLSLVDTTIVGLTASAESA VVQIAALGPATTLFDSLVTYTYFLA
IATTNQLAPGLAEAAATETGAAASACGSKNPWRDLRKSASHLLGLAIVFGSLVSAITVFV
GRGIEIYMVGAGSTNMGAAEAGAI VPLATNYARIRAAVAPVSILGFVAQSFCLVNLDIAT
PAIAVAAA SVNVVGD LALSARYGIQGA AVATAMATVTS CAILLRKRKTTNRWKMKQED
LERRVAASSNHGANEVATRNDADAGTDTDTKTPPATNEVPTETTNMSTGSSERKSTEQIL
DNKNKNNNIPFWSIPDR TSMVNLFKLAGPIFFVMMAKVACYNIMTIRATTLGIVPLASHN
IMMRVFFF FACFGDLSQAAQSFYPQVEAKERGKLI RRLFWIASFVGLSNNQSSQLILKK
LGRFLAKDASIIDLMAQHAPWVGCAVLLHPFIMLLEGTVLANRDLVFMVGTYSLSLLHL
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PPL

>comp13123_c0_seq1; 986 266 2870 LEN=2870; translated
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DGDHV KHKENSITLNNQIKKNQSDDGTVAVRRC DGE SSSNKVNIIFEDSDSDCSTVG
QENGASIFFDSSI SEISSRNLINKYLGTSNSRGNPVDLDDSF SHDTNIDGEDGTGNEPV
EDSSIASASSGKIDTDRLEVMKAEFRTIWK RHEDEFLVWKEVIKTTTERPAPKTKVSTFRK
QSYRDDSNHYMEKVNTLYGGLTVPVSGSNGVHNQEDSVQEDSVTLVSCSSTDTFGYDRE
KKEEDFAMVENLSSGGSTDQPDTRSVTESVDLKSQATSRSLDTFGFSINNVTMNPLEETS
ESP NHNDANSFAAAKDNQH GKEQNEEDPIQSHYAVESDRCILRRQDKQEA VSM AAKARRL
RTYRLRAGNRERNEAAKNANGPHRPIIVVDEEAKPRHCGMLNVVKVNINDKQNSCQSVIS

DLTNISEKLQFNIDHEPDGRWDKRSLKRLSVGEQQGISVAVGDGNNHGMIEVKSCTRKES
ISLREQMCPSEVEPELYKFDESVKTPPPYFKNSEIRAQLEHTSVFATQRNNGWKYSDESK
WDDVSSIGLVGVETISTQFNQKHGSKFHIQSIRSVNPSIPFAIQTRPEEDGTSSDEELGS
PKGICHIFRNQLATIDHNEKDEDSSASLTFSALWAEDDSSRIKKKEEKSSTRKAHPQLKL
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EDVGGEDDKKTDTTKPSLSIHADASCK

>comp13123_c0_seq2; 1024 266 2791 LEN=3029; translated
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DGDHVKHKENSITLNNQIKKNQSDDGTAVARRCDGDESGSSSNKVNIIFEDSDSDCSTVG
QENGASIFFDSSISEISSRNLINKYLGTSNSRGNPVDLDDSFSDHTNIDGEDGTGNEPV
EDSSIASASSGKIDTDRLEVMKAEFRTIWKRHEDEFLVWKEVIKTTTERPAPKTKVSTFRK
QSYRDDSNHYMEKVNTLYGGLTVPVSGGNGVHNQEDSVQEDSVTLVSCSSTDTFGYDRE
KKEEDFAMVENLSSGGSTDQPDTRSVTESVDLKSQATSRSLDTFGFSINNVMTMNPLEETS
ESPNHNDANSFAAAKDNQHGKEQNEEDPIQSHYAVESDRCILRRQDKQEAVSMAAKARRL
RTYRLRAGNRERNEAAKNANGPHRPIIVVDEEAKPRHCGMLNVVKVNINDKQNSCQSVIS
DLTNISEKLQFNIDHEPDGRWDKRSLKRLSVGEQQGISVAVGDGNNHGMIEVKSCTRKES
ISLREQMCPSEVEPELYKFDESVKTPPPYFKNSEIRAQLEHTSVFATQRNNGWKYSDESK
WDDVSSIGLVGVETISTQFNQKHGSKFHIQSIRSVNPSIPFAIQTRPEEDGTSSDEELGS
PKGICHIFRNQLATIDHNEKDEDSSASLTFSALWAEDDSSRIKKKEEKSSTRKAHPQLKL
NPTFSTVFTEDCDSSGDSSSSSETTDVKMQLASRCALRKQKDEVSNNTNTVKCTTTPGDY
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>comp13123_c0_seq3; 1004 266 2913 LEN=2913; translated
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DGDHVKHKENSITLNNQIKKNQSDDGTAVARRCDGDESGSSSNKVNIIFEDSDSDCSTVG
QENGASIFFDSSISEISSRNLINKYLGTSNSRGNPVDLDDSFSDHTNIDGEDGTGNEPV
EDSSIASASSGKIDTDRLEVMKAEFRTIWKRHEDEFLVWKEVIKTTTERPAPKTKVSTFRK
QSYRDDSNHYMEKVNTLYGGLTVPVSGGNGVHNQEDSVQEDSVTLVSCSSTDTFGYDRE
KKEEDFAMVENLSSGGSTDQPDTRSVTESVDLKSQATSRSLDTFGFSINNVMTMNPLEETS
ESPNHNDANSFAAAKDNQHGKEQNEEDPIQSHYAVESDRCILRRQDKQEAVSMAAKARRL
RTYRLRAGNRERNEAAKNANGPHRPIIVVDEEAKPRHCGMLNVVKVNINDKQNSCQSVIS
DLTNISEKLQFNIDHEPDGRWDKRSLKRLSVGEQQGISVAVGDGNNHGMIEVKSCTRKES
ISLREQMCPSEVEPELYKFDESVKTPPPYFKNSEIRAQLEHTSVFATQRNNGWKYSDESK
WDDVSSIGLVGVETISTQFNQKHGSKFHIQSIRSVNPSIPFAIQTRPEEDGTSSDEELGS
PKGICHIFRNQLATIDHNEKDEDSSASLTFSALWAEDDSSRIKKKEEKSSTRKAHPQLKL
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>comp13124_c0_seq1; 607 153 2340 LEN=2501; translated
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GATVGYTFRFDEHQKVP IVYVTDGILLREATLSDPLLSRYSVVMVDEAHERNLNSDALL
GLLKKIRRRKPLRI I ICSATIDAEAFLDFFAPKAGKPEKVLSKRRRRRWDNVDGGRATTT
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GRIQAGQCRLTYTESFFTDKMEISTPPEILRTNLSSFILTLKALGVDNILGFDVMDLPGV
DALSHGLESLYALGAIDDDTNMTVLGMDMSSFPTEPRVSRMLLESREECSTEVAGIAGA
LQVRSLFLTRGSSAGRQQRQLDYDNAISEFADSSGDHVTYVNVLSELDDRRLDREECTL
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ELAPHYWH

>comp13125_c0_seq2; 616 104 979 LEN=1267; translated
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>comp13126_c0_seq1; 529 424 2041 LEN=2246; minus strand; translated
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GGIRCERASALLKYKMETDES VKDLGIKGVFQLQGGIDKYFKFEPDGGYWKGNVYVDFDR
FAHAPPKIDGELHGRVIDKDDENDSKLPANAHVMGKCEACHKPWDMYRGKRRCPCTCGVPS
LICKDCFLADKEGRKKGKEVRC DLCVEQGI FSKRQYRENDERFIQDYESKMTAKGLLLP
NAAAQDPEVDSAVMAPNPKGITRLV LKNMCRKKMTEDALMEALPGITHI VVNTQRNRKNP
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>comp13126_c0_seq2; 654 424 2434 LEN=2639; minus strand; translated
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>comp13127_c0_seq1; 991 278 2877 LEN=2902; translated
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SGFLSRFSNNGKNQSRQKSESEDPVVRMAATAANMRLTLEQVRLAQATAELKRFQLLKHI
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SWKAREEDIKGTIDGLKEVTRSAGIIVDAISNGDKMIERQVTSLQQIEDQVKIWELPNL
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GFSYSNTLERVKMCDVVLCTVKEGTGKGGPRFCFEVHSPMSQKPLVLQARGPDEFKQVVDI
IRKGI EHQ LASGNTTHITPKRGMPARSDSNESFQDETENVDMPELHDIDNQLCHEELDAK
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GWKKPIASSNRKTKEEWIKSKYLWKGF LNVSDDQGKTPEERE E IASKAMYRAAKEGNVLG
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>comp13127_c0_seq2; 1020 278 2782 LEN=2807; translated
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GFSYSNTLERVKMCDVVLCTVKEGTGKGGPRFCFEVHSPMSQKPLVLQARGPDEFKQVVDI
IRKGI EHQ LASGNTTHITPKRGMPARSDSNESFQDETENVDMPELHDIDNQLCHEELDAK
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DQGKTPEERE E IASKAMYRAAKEGNVLGIARSLAQGAVVTWINVDEGSKTALHACTQLKD
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>comp13127_c0_seq4; 296 278 763 LEN=799; translated
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NSQRIYGVLESRLVSEGVGGNGGGIGGVPVGGSSGSPSFDDAGFSTEIGSLADVDTSMEE
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LRDVLAQHLIRRTEDLGVNPLKPGEGGLEGSAGIFGTVGLTGRQAHQSVMGHGSSIDEMQ
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VAGTFTLASDQSVESLLSVLKPRIRAIVTDVAVGSDHGASHGGGASGFSSVIVGGGITKTS
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VSKRLEVSLKCKRFTALGALSLSDIRDLIHYGXVIWVSFCGVCLEKDYIHRSVYMSWIV
SILGTVFFTFQNSLAKDRLVSPDFNSSNAVLNACTPLSRLLQIAKLMNLDDLEDVLDLI
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>comp13134_c0_seq7; 980 209 3213 LEN=4979; translated
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ILHSLTKIASGGSQASQEI VQLEQEKELEQNAIDVETALRLRKASDLAAQSLSAQRVEQ
ASAAIQDYTQLQKKHRLTKRAKAYAGEYTVTQLDTSKATLRKLLQDYQQAVQSSDLQAL
GKLT PMLQMV EYEKEALALYLRLLKGIKSELVKAASNSIVNNNNKQRPSGPPPPYIRMG
RVYNSAFTILRHHLPMVSHCLYRAEGDAAVVQLVNVQIEDTVLPLFEEYISSRQLGRSSR
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GFSEEKEYVPLEILPAHTSLQEKVAEVGGYYATIESCLLLASMQRAFSISDDARQYSAL
GMVTSSSSAGRPGMNMNTSGPLKTSIVESSLYAARRGAQRAFATGHTGTASAVTNYFADC
LRDVL AQHLIRRTEDLGVNPLKPGEGGLEGSAGIFGTVGLTGRQAHQSVMGHGSSIDEMQ
REREIQLGISRACATMNDLEVAANHTKELERLLTKSVDQGFPPNTPETEQLRMCVQSLGP
VAGTFTLASDQSVESLLSVLKPRIRAI VTDVAVGSDHGASHGGGASGFSSVIVGGGITKTS
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VSKRLEVSLKCKRFTALGALSLSDIRDLIHYGXVIWVSFCGVCLEKDYIHRSVYMSWIV
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>comp13134_c0_seq8; 980 209 3213 LEN=4907; translated
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ILHSLTKIASGGSQASQEI VQLEQEKELEQNAIDVETALRLRKASDLAAQSLSAQRVEQ
ASAAIQDYTQLQKKHRLTKRAKAYAGEYTVTQLDTSKATLRKLLQDYQQAVQSSDLQAL
GKLT PMLQMV EYEKEALALYLRLLKGIKSELVKAASNSIVNNNNKQRPSGPPPPYIRMG
RVYNSAFTILRHHLPMVSHCLYRAEGDAAVVQLVNVQIEDTVLPLFEEYISSRQLGRSSR
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GFSEEKEYVPLEILPAHTSLQEKVAEVGGYYATIESCLLLASMQRAFSISDDARQYSAL
GMVTSSSSAGRPGMNMNTSGPLKTSIVESSLYAARRGAQRAFATGHTGTASAVTNYFADC
LRDVL AQHLIRRTEDLGVNPLKPGEGGLEGSAGIFGTVGLTGRQAHQSVMGHGSSIDEMQ
REREIQLGISRACATMNDLEVAANHTKELERLLTKSVDQGFPPNTPETEQLRMCVQSLGP
VAGTFTLASDQSVESLLSVLKPRIRAI VTDVAVGSDHGASHGGGASGFSSVIVGGGITKTS
TDRHSVRMNYELDEDAYQLLEVSQSYVSR LCTLLDEMLVPLCRYLAPRLADSLVLGVLGT
VSKRLEVSLKCKRFTALGALSLSDIRDLIHYGXVIWVSFCGVCLEKDYIHRSVYMSWIV
SILGTVFFTFQNSLAKDRLVSPDFNSSNAVLNACTPLSRLLQIAKLMNLDDLEDVLDLI
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>comp13135_c0_seq1; 165 136 1191 LEN=1587; translated
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LLERPATAYLFFF GAHAISAW EFTMLEPASTTSASTPTAPRPLSRLLFCAASLLAAIPE
SSSSLYCFGSSLAAGVFCLANSHHCVVGLMVVTLPFRAWCQLALGNSDGTFLSTVAVLL
TVWNADTGALVAGRLLGRRRSTPGCLPEWIRRVSPAKTAEGFLGGILGGIATALWLVPML
VRVFSMETTPGIRSLWGLDADDGLGAVKRITLGFVLSVLAAILGDLVLESSVKRLSHSKDSG
SVLPGHGGILDRFDSSLLAVLFYRVVLDQATELTYGTSGDAIMESGEKEEL
>comp13135_c0_seq2; 165 136 1191 LEN=1612; translated
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LLERPATAYLFFF GAHAISAW EFTMLEPASTTSASTPTAPRPLSRLLFCAASLLAAIPE
SSSSLYCFGSSLAAGVFCLANSHHCVVGLMVVTLPFRAWCQLALGNSDGTFLSTVAVLL
TVWNADTGALVAGRLLGRRRSTPGCLPEWIRRVSPAKTAEGFLGGILGGIATALWLVPML
VRVFSMETTPGIRSLWGLDADDGLGAVKRITLGFVLSVLAAILGDLVLESSVKRLSHSKDSG
SVLPGHGGILDRFDSSLLAVLFYRVVLDQATELTYGTSGDAIMESGEKEEL
>comp13136_c0_seq1; 302 287 1219 LEN=1618; translated
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VMGHVGLTPQAI SVIGGFRAQGR TAVRARQLDDALRLQDAGCF SVVLECV PANVAAAIT
ETLEIPTIGIGAGGDTSGQVLVFDMLGMLSHPHHQFVPKFCKKYAQVGHAIQDGLSRF
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YGANKNDKTH

>comp13136_c0_seq2; 302 287 1219 LEN=1591; translated
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VMGHVGLTPQAISVIGGFRAQGR TAVRARQLLDDALRLQDAGCF SVVLECV PANVAAAIT
ETLEIPTIGIGAGGDTSGQVLVFDMLGMLSHPHHQQFV PKFCKKYAQVGHAIQDGLSRF
KAEVESETFPGTEYSPYLMSDGEKEAFDALLESDAEERRIKHDVAATKLSQADEYETLKL
YGANKNDKTH

>comp13136_c0_seq3; 215 1 743 LEN=1115; translated
DGGGXDKLKLKLYQSACSVCCRLITTQERKIPSHVVVSTYLLLR TLFGSFQITCATVAVMG
HVGLTPQAISVIGGFRAQGR TAVRARQLLDDALRLQDAGCF SVVLECV PANVAAAITETL
EIP TIGIGAGGDTSGQVLVFDMLGMLSHPHHQQFV PKFCKKYAQVGHAIQDGLSRFKAE
VESETFPGTEYSPYLMSDGEKEAFDALLESDAEERRIKHDVAATKLSQADEYETLKLYGA
NKNDKTH

>comp13136_c0_seq4; 118 287 610 LEN=707; translated
MVTAYDFPSAAHVGRAGIDMVLVGDVAMVELGHETTQNVSIDSMIHHCQSVKRGLELAD
SGSMLVGDMPFGTYEYEDTDVALRNAYRFVKEAGCDAVKLEVRVCTI

>comp13136_c0_seq5; 215 1 743 LEN=1142; translated
DGGGXDKLKLKLYQSACSVCCRLITTQERKIPSHVVVSTYLLLR TLFGSFQITCATVAVMG
HVGLTPQAISVIGGFRAQGR TAVRARQLLDDALRLQDAGCF SVVLECV PANVAAAITETL
EIP TIGIGAGGDTSGQVLVFDMLGMLSHPHHQQFV PKFCKKYAQVGHAIQDGLSRFKAE
VESETFPGTEYSPYLMSDGEKEAFDALLESDAEERRIKHDVAATKLSQADEYETLKLYGA
NKNDKTH

>comp13137_c0_seq1; 252 85 774 LEN=1013; translated
MMIFTKKHNGPFLSTTAIVSALLLVLLALSQASVAVATEETSSMSVCLSLNKKRECRD
HPECHWVIHRFATKNPDELARTVRCVDAMTDEQCSPFTDKENAKIKCRFNGCKWNREDNT
CIGRLDHVNRVDNDGGDLSLEDLLKPEKNLVDRFLMEFIGTDAAEVETAIIEAYPRYAG
EGGVYVAVCTQNMGLYVGEPA CIQRNYNVHRIKLIVDANNKVNEIIFG

>comp13138_c0_seq1; 235 1 1130 LEN=1433; translated
XAE EIRGRDPIPAVEHLETIVLEHLSEVVGLSRRGCGSEDP AQNR TKTSYHHDFTDDELK
RMMAISSNPMDVLDPDHGESACLAYSAXLAQLNKDAGXVFLWLLHLILRWIVVTVSSPTA
ECTVPVASTIGQKTDCVPVSGAIRIYLNTTDIPSHSLEDLKL SIQSGFQRLIRFGMQHGL
YLSDDSEDDDRHGDGVVSHVSFIGTRIPASNNE SGEVAPAAETKAENSRPQSTSSLFMD
QSEDLANGDKSTTNAV LVVVASLGVIFA AIIA AFGSRRKRNGFGPVDAGR DGVEETG
LVATAGEAVPPVLAGMDLLADNAEIASVSGGFVKNGT P S I S S DATVADAEVYDDNEDDDD
DGPFFSTEPKAVLYTMN

>comp13138_c0_seq2; 251 1 1006 LEN=1309; translated
XAE EIRGRDPIPAVEHLETIVLEHLSEVVGLSRRGCGSEDP AQNR TKTSYHHDFTDDELK
RMMAISSNPMDVLDPDHAECTVPVASTIGQKTDCVPVSGAIRIYLNTTDIPSHSLEDLKL
SIQSGFQRLIRFGMQHGLYLSDDSEDDDRHGDGVVSHVSFIGTRIPASNNE SGEVAPAA
ETKAENSRPQSTSSLFMDQSEDLANGDKSTTNAV LVVVASLGVIFA AIIA AFGSRRKR
NGFGPVDAGR DGVEETGLVATAGEAVPPVLAGMDLLADNAEIASVSGGFVKNGT P S I S S
DATVADAEVYDDNEDDDDDGPFFSTEPKAVLYTMN

>comp13139_c0_seq1; 258 107 1437 LEN=1437; translated
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TRHWLGPLLP TKWSWVFFESPNC LWIACVLD RSYRSGA INSDNANASTNTALPAANKI
LLAWFFFHYLYRSVWYPLVAMNYKTNH I DRGMPLGIVLIAWFYCAANGYLQARGLTRFQ
TSVPIRYEGDDGFSSLLACRFWVGVS CMVGGFCITVTS DRILLALKQKQKRRQRHNRH
GYAIPYGGFLFRWVSSPHYFGELVEWTGFFVASGGSLAAF SFVVWTAANLVPRAILTHEWY
LDTFCAANGGTNNGDKNISDGAKEENHRDDYSKLG RKAIVPFLLEQHAMASKMYSMDHKK
SLGLSVMSTFQRIGTRYLLCCNVX

>comp13139_c0_seq2; 369 107 965 LEN=1143; translated
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RQYFGPPYDVLLLEAKSGAVGIDDAGTVVEGNNDNETEEEAAREEAATTSLEESLQ TWKGT
VQKGF LRPSPGKHPFDADTSTR IESTGFLVDNESLGAFSLERALSAA S I IRHGRRGQRR
TAGGEDDRRLER GSEPT EPDRQGGE SDGTF FLPHSSDDGVLQ

>comp13140_c0_seq1; 483 164 1874 LEN=1874; translated
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GDEAE EAAAVASGRGTEKNLRLPWILKVAIPGSRMAHGS DGDNETEESLASIYIDAGMNA

DRLGRCIVQAASVSVGPSQTAASRERKRSFLGYSEDEGDDGRGRTLVLGLFGRHDGVFYSL
ECILALNPMDGERRTFCVEKPVPPAPVVPAAEKEWNALFLSSLATTERTIGLGVAGLVLS
VFVVPKILRYFTNCRRFVGRRVEDVTLVSSALFWIPSDLPMSWRMISDVLDPAREIYR
YGPFAVWEGRDLDIVCVQMNRRYFAGLGTGSEYEEREHWVRNPEACESIYRMKEESF
VRMCRPVWYIAVAVVGFVLVQLVAAAFADPSARLDRTDRALLETYRAVQSSSGNINDT
KGGDASRKGDPSNSKRLRSTIYYKTRHGKIDATENILATVCYPQTSYFSMPNVALLYP
DNAVFLHSRLVASVVVGYTLQGGQWLVLELLLFHNSNPCLARTSLAAASRTYSASSDAAFPPH
FPATAAAFCRASSQALSRIITFHSLKTGFG

>comp13141_c0_seq1; 305 80 1227 LEN=1408; minus strand; translated
MDVALASVVRRCSLAWIWLPLNIANRVFVFRVWLKLLPFRLVSSRVGAAESLRKTLNNT
ASRVLVSRGVLFSGSVRFSTSSRVRAAWFHELSETDTPPIGRVGVQTPGPPFAFCVCHS
LHGAIGSMAVAIALHRYGPFVGFGLVWFGLSRTVSRFKERFTPGHRERLFPQGIGGPPDH
PKEDDDHGRNDDRNVDVPPALFHVHHQRRVPRRVHVQQRRPPGGWSHAGGVFVAVCP
EALAGLHRVLAALRPVEELLDVLFVLLVDRPVAIADEVDDDEADSETVEESMWWYEEEEETS
GRAAVPGSAVGKQGEKSIFGFEGGQMVGGTTSVGRIDSIRLFFVAGVCDRTGFGVVRSLAS
FRRWGAQSGRQSVVLCGR

>comp13142_c0_seq1; 698 277 1515 LEN=1910; translated
MTALTCDDGQTRVRFHNRVQFKTIRHVSDFLDQEIIDGWYDKDDFNQMSDDVSKIAALIG
DGKTSINGEELCVRGLEHIVEEELADFAQKMINSIDAVLDEQEDQWDEGIEDPEAIAEM
YAEYAKPLLKEAHEIIGLKDAEEGYKTWDDLDFEDPLYRRQTENQTKTKPEKKENTETNNEE
EKSKPKKKKKNNKKQKAQKQDENSEKDIPTTSFSDRSEDPTTVSPSSVRSIKESPLRQP
KPVSSIRSLQSFVAVTLHDSVDLDMEEGEEKGQSDDELKREVEVDGDHKKDASPSKQK
TKPRRTLADRKHGSELSPFYRRDGTAFKHKHVEKARREKQEKRKNVSESLSGLLKDD
DEDDFLAGILSGKSRPSSAADEDDFLAGILSSKPKRPLSSTTRRVFRNR

>comp13143_c0_seq1; 888 154 2577 LEN=2659; translated
MSYSDDEKRLRMGCSSTTMGSILSARNNDLGEAEYMEYDQKEASMSVNEEGEEFSGHKND
VGTRDRDVINHLVDNDESI EVDDEIVEETSPPVCEDAVVNSDGNNRDQQRVSVFSKSIAS
IDTLERGHPSRKTNNMDKSPRKNARTSSARLSAQSKKAASPASQPKSYIARILANHQRV
PGGAAAKLIGRPDDNEGDYYQFVNDGDDALEVAAPLDELMSRDMAKAEFEKGPQNKRY
HAAVKEDSRASAISSVTDGTVPRILDRDEVFHENAEALHSILTPAKKPEPELDEIVEFR
KKLKKKKKTENPSKDQIVRNLLTSKTERHLATLKERMTDPSKSLTELMEAIASPKDGVF
DRHYMVRKNACGAMKVLTSNASHRVNICWTLGVLPAALTSVLEDSGPAALDEQYDPKII
LEYTEARNRAVSALIHAMPQNNKLPFHCPRLVPSLVRVIEQDDGEARRGCCLVLAHLS
KSKENRLIMAQIPGLLDALVAVIEPKENFARSESSEDSMSCRSSHDTSDIDIHDRLSQED
NIDLNLSQKSTVQSLSDPAELSVRYDEDPQPFHGHARQNVFACLGYLVEKENAYVLR
HVQLVNTLVFITRLQESSQEHAVKILANFSRHRNSKFLVFKIRGIVQAVVSATYSENT
ESRKYACYTLQNFSDHKPCRQQLALIDNLLAVCARIREPASGDEKMAALHALKNTDEP
ANLIPMTNTPCEFATLMQVAHADSHSITEEMQYIACDALATLSHWFRSIATSGQIRGMTH
PEENANRFAKDELFPVSLRVLTWEPWQ

>comp13144_c0_seq1; 330 1 1614 LEN=1792; translated
LNLTVRTVTVSPTYVVILSINCQHDGNESSVDDNATNTSKGDGNPGVEKYSDEAVV
QSFVDAIPHEDRRSLDLELDSFVVRHASHHRPIALVSSGGAADLEINSVRCLDNFSTGK
RGAISVEEFKRGYAVIHLWRKGSASPYGRVLSQLIMGKKSMPNEGISMASLGKLFATGD
LDEDQEDQLVQAVLDAEQNGDPWLSDPSSVDTGNNADGANRMLRRSNNSSGNTKRSSYRG
GVQLHRRILNSTPLLTALNERKSALEEGRILTIPFRSVEDYLAKLQLSSESLRNSQALAI
FYLAAAVSDFYVPLAERSQHKIQRSIPDKNSGSALSKEKNECLNKLWVPKVMGLLR
SKWAPDAFICFKLETDKAILRQKAEGAIDKYGCHVVIGNLLATRHDQVWILAPADMERF
VLENSQKSADSIKADWPMHEISRPKSSETEVLEGMIIENVVQTHFEYISTSLSGSFDKSG
TASVMQAHYELQRKKKEIENELFWNQVKVALDWAGVFAGAALSIVISAALRRRIDA

>comp13144_c0_seq2; 334 563 1708 LEN=1886; translated
MGKKSMPNEGISMASLGKLFATGDLDEDQEDQLVQAVLDAEQNGDPWLSDPSSVDTGNN
DGANRMLRRSNNSSGNTKRSSYRGVQLHRRILNSTPLLTALNERKSALEEGRILTIPFR
SVEDYLAKLQLSSESLRNSQALAIFYLAAAVSDFYVPLAERSQHKIQRSIPDKNSGSAL
SKEKNECLNKLWVPKVMGLLRSKWAPDAFICFKLETDKAILRQKAEGAIDKYGCHV
VIGNLLATRHDQVWILAPADMERFVLENSQKSADSIKADWPMHEISRPKSSETEVLEGM
IENVVQTHFEYISTSLSGSFDKSGTASVMQAHYELQRKKKEIENELFWNQVKVALDWAG
VFAGAALSIVISAALRRRIDA

>comp13145_c1_seq1; 710 1 1608 LEN=1608; translated
XVDRHPLVAEGAAFASPPRASPSLAPTPSRSDPRGVAPSLAPSAAPTPTPTQSAKAKKQ
KKEAKGHRGDAATKPARRTGSSGGGKQRSPAFGLGKQRRREGAPPRDGRDGGAGPSRPR

KRRRTEGAEDRNPERAAAAFVRSHGAAAGGKPAKDPKRRTAEKSSKAGKKNKTKGRKAFHAA
PNGAVRGDRERDLPASSLERPRSSPGRPSTPRKPAGSLPQRKKHKSJKPRSHKCDRDLPT
RKMEKSSRKKRRKPKTIGSNGNVGAARPEQTKLKPPDSLHTAATKPDPESSGSEPA
TKTRKKKRRKKIASSAKAAAKAEASTSLPAPSADGSSDKESKQQQKHAEEEDSIEQ
TMDPTTAAANI PKAPKSKRKKRRKKPSTDRREEAGVEKDESASSSTPPPTTTIDAP
LPLSNV EATERDASSTEPQAEEDIDGLELSPAPAVEEDEDQVNTASPDESERLAE
EVQGDSP TEMAEEAKKVNEDESVDNIREDENKEEDSVAEGIDADEQCKDERECQ
KEDENKEEX
>comp13145_c1_seq2; 1276 1 2385 LEN=2385; translated
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AKKAKKQ KKEAKGHRGDAATKPARRTGSSGGGKQRSPAFGLGKQRRREGAPPRD
GRDGGGSAGPSRPR KRRRTEGAEDRNPERAAAAFVRSHGAAAGGKPAKDPKR
RTAEKSSKAGKKNKTKGRKAFHAA PNGAVRGDRERDLPASSLERPRSSPGRP
STPRKPAGSLPQRKKHKSJKPRSHKCDRDLPT RKMEKSSRKKRRKPKTIGS
NNGVGAARPEQTKLKPPDSLHTAATKPDPESSGSEPA TKTRKKKRRKKIASS
AKAAAEASTSLPAPSADGSSDKESKQQQKHAEEEDSIEQ TMDPTTAAANI
PKAPKSKRKKRRKKPSTDRREEAGVEKDESASSSTPPPTTTIDAPLPLSNV
EATERDASSTEPQAEEDIDGLELSPAPAVEEDEDQVNTASPDESERLAE
EVQGDSP TEMAEEAKKVNEDESVDNIREDENKEEDSVAEGIDADEQCKDEREC
QKEDVDVENDGKD ESTVDDNEGISNASDDATFDEQKSSEKTESQEV
DGEPEVIMVVAIEESEGSTKNDAAEET EIEQEGTPAECEILSVEKNMEED
NAETKESMEDGNVNPDDVGEESSEAKVEEDEVAA DENPVVSDQNSEGDDESD
GGDNENPGNAEEDLSQAKVQEDETA VSKENYEEDHDEKENS DDREPDQ
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NKTRGG HSDDLDEVD DDDDDDDX
>comp13146_c0_seq1; 177 232 1251 LEN=1396; translated
MSFEDPIASLVPLAGCKKPRLSPLDGGTGG SARHDS CVLHPSAC
SALQEFVNPLDLDAV DHPTCSSVGSVPIGHCGSHLLGHKRVCAVTPH
GCRDPGTWVRPSQGQSEYINADGGCTIL RDRNYRDDHHDYGTGGAL
TRYVGCNGRSLASLAFGAVTEDGSICVAVVSECLGLAGDDSF GGD
TIDVTVDVAHPGDCSKTRTGACFKVEDALNQDVNGPVLNRYFC
AVDETVCDPDLGL TYQSVGQLMRFTDIDCRLCDARTVEDYLLSV
SAAGGGGGAYGVSIGAAVIGISAGLTLG LVALAAVCWYRRTSKGAG
TLFPAGAPGESGTQVHAAEFS
>comp13147_c0_seq1; 74 1 410 LEN=768; translated
XYWGNLENVSAEGYDPSASVYNSQLWALHNFISDEPMAILSLTTDN
RAASTTTYPMQVV KSRIQQPSSSIELTNTGDVRRVVKRNYAGLI
STVQKMWRQEGTVGFFKGAIPNAVRVAPSA AVTFLVYESAMDFLES
>comp13147_c0_seq2; 342 230 1402 LEN=1760; translated
MNGGTTKKGKETEGSWKPLAGFFGGAVSTVLLLPLDNIKVRLQV
NEGASTKVMPTSSPV RRMEVKTSAKLFSETNSGSSTKNHQN
SHTRLGAIRMLRGVIKYEGRGLYQGLVPAIIG SAVSWG
GFFVYKMKHRLREFKSRNEDVTCYKHGNDAGRTRREQLPQ
PATLNSWDNFL LGTASGVVMVFTNPIWLIKLRQLQMKRTSD
HLHLKNVTQYDGF LDALRKIVRS DGILG LYRGTGPALIL
TSHGGVQFVVYEF LRKH FHYAKAQRSTESSVMKRFEN
SLGYLTIGAIS KMAASTTTYPMQVVKSRIQQPSSSIELTNT
GDVRRVVKRNYAGLISTVQKMWRQEGTVGFF KGAIPNA
VRVAPSAAVTFLVYESAMDFLES
>comp13148_c0_seq1; 223 1 826 LEN=1557; translated
XSSHRITPHPSNRMEPNRSIMERRSLALGCRSALPPLVAMAV
AWYACSPSPGGGENQAAA LARWSFWLAAEASKTYMEVLE
DWPVATKALTTGVIQLMGDGM AQWFEQRGERAETKTETK
TETPGNRRRYDSRRGASLFAEGLLLSGPLLHYCYESMEE
AWPTSTVDAAPRPLATLCHVF VNDYFIDSAYIAFSIAFT
AIGEGHTMGEVGEIFSKDYWDTLKASWATSACLLPLEI
YCFG FLSLSLRVLAMNFVDLLWGAVVSFYSHRSRREAAG
>comp13148_c0_seq2; 223 1 826 LEN=2011; translated
XSSHRITPHPSNRMEPNRSIMERRSLALGCRSALPPLVAMAV
AWYACSPSPGGGENQAAA LARWSFWLAAEASKTYMEVLE
DWPVATKALTTGVIQLMGDGM AQWFEQRGERAETKTETK
TETPGNRRRYDSRRGASLFAEGLLLSGPLLHYCYESMEE
AWPTSTVDAAPRPLATLCHVF VNDYFIDSAYIAFSIAFT
AIGEGHTMGEVGEIFSKDYWDTLKASWATSACLLPLEI
YCFG FLSLSLRVLAMNFVDLLWGAVVSFYSHRSRREAAG
>comp13149_c0_seq1; 210 182 778 LEN=1194; translated
MKLFLTIAATALLCLHSVAAFSPASRNAAVPAAGYSTALSMG
KEDEDLRKRASSRQAGN DDTVVLMRPLGLVLNQDEKGNV
YETVAPRGNAAARSGIKEGDIVTMC SATFGDDMWST
RGVGLTRVLAAIRVRAGTYVKLAVETPAQYKTKAATSTK
QRKAAADARAAAQAKKDQLLE QLERDEKKLTKGKFFGLF
>comp13150_c0_seq1; 1019 127 2754 LEN=2923; translated
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SYMDLQKFPDHRDVGTPD

EWLPRDGRVLVRLTGRHPFNVEPPMSELRKTRFLTPSSSLHYVRNHGACPRLTWEEHTEIEIG
GLGVSXKPMELSMDELVALAPARELPVTLVLCAGNRRKEQNQMRQTI GFNWGPCGVSTNVVK
GVMLRDLALLAAGVKETNMRGQHVFEIGVEDLPNKVGPFPKDEPWGKQVKYGTSLPLTRA
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CRAWDESNMTQPNPTWNLMGMGNNQVFRLLKVMEMNAADQHVFREFEQPTQPGQLKGGWM
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RVYDCTEYLELHPGGVDSITINAGDDATEDFVAIHSKATKMLERYIIGDLEASAAGEEE
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>comp13151_c0_seq1; 719 193 2817 LEN=3024; translated
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THNYVREGTSRKHFKRKNFDRSQNMIPRHSVSRIGNNDAMS DKNITRHSHEEKSHVRS
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YKSVVIPLITMMLVIRFNQNLRFKFDWTDGERFPHLANASKYVLSLLPLFGIFHPLYLEY
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>comp13152_c0_seq1; 487 626 2173 LEN=2267; translated
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>comp13153_c0_seq1; 352 58 1836 LEN=2986; translated
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PGWNHAGVENLVLSVPRLPFFLENPENDPQKVAKSYRTLSGIPGSLFWWYSCRNEGAFI
QSFSEKNLIADPSNLGPFWRSNCYRTAVSHNKRGRYATFSFLAGTLQDGCQTS LDAVRGT
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>comp13154_c0_seq1; 490 64 1134 LEN=1231; translated
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VKVDASTLNSECEGSFDGLVHISALKVGRVGSVTDVNVANDTVKVRCKSIDGNKVS LTML
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>comp13154_c0_seq2; 505 189 1028 LEN=1125; translated
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GLVHISALKVGRVGSVTDVVNANDTVKVRCKSIDGNKVSLTMLSVEEEEAERASGARSSG
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>comp13155_c0_seq1; 1298 1 4119 LEN=4621; translated
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VEPEPCAPLSVSSLGNSEVVKRAETVLSHLREVVPAMKTKTGANELPSKNDIMKAMSEID
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SMAIQRNKTKDEIKPETLREEIGELDSDAVASAPSRKAPEKWTAAEKEIFLATLEEHEGKN
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>comp13156_c0_seq1; 626 245 2017 LEN=2071; translated
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AHGNTNTNGPLAADSSSGSTPRARAASCLEATGTVAAKPLRDMTILGRDAVMKLLALGSF
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VLCFLSGTLHNFLYGAAKSKTTLTVALSLSQLTKLGYPVLSLASSRVRGANEQGVQVQAL
LALNALGGAVGPVSMNWIYERTKEAGSGLGPGAMFLFASVLYLLGAVVVAIIPSAARRVE
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>comp13156_c0_seq2; 641 262 2046 LEN=2100; translated
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KLLALGSFLAAAVYSTDASLILFYIEEYFDVRENDIAFMFVVHGTMGVVLQIGLQPLV
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GANEQGVQVQVQALLALNALGGAVGPVSMNWIYERTKEAGSGLGPGAMFLFASVLYLLG
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>comp13157_c0_seq1; 479 308 1966 LEN=2129; translated
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C KKDNIQSGIDGLLRNLLEQNNTGHRYHHAHIDIMMDEAYDRETPRSRKLNNKLAERR
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IP RVINNDSTMVSGSYPLQAPHSLPTPEATYRDAGWTAEPYWNHERGTVSSLYEMHNGR
SA TVATDCNAQHVVYQSGKNMAFSGGLPPHPYPCWQTFPAPVPHPPYPVPDLHHIYNH
QNHQ TTFVYPGMHHMYHQHPMGGEMHQYFESMHLHPHYPHTTSPSLHSNNGVEAVV
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>comp13158_c0_seq1; 578 533 3142 LEN=3750; minus strand; translated
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>comp13158_c0_seq2; 578 533 3142 LEN=3641; minus strand; translated
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FGNDGKIYVTTGDGGGDGAGTSQDMTNLHGAILRLNDDGSVPTDNPFTFQGGYNGVPCGQ
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FVPEGIWPAKYKYVYADFIHFSIFNLVEDADVECQTCIPPIPKYKNETLYTSEKREDQHA
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VAFDGRLSFDPEELGLEYEWFDDSFREPNPIHAYTEPGQYTVRLGVTD SAEHTQTTS
VDIVVGTTPPALHITSPLEGADFFVGEILLSGTATDADGNLLEDSQISWEVRKHHADHWH
PFLDEKAGNDIDLFPAPEPEDYLAATNSYLEVIMYATDANGLVSTTSRNIYPRIVELCID
SEPQGLEVYVDEYPVVTPLRITSWVNHNLRLRTPINQELNGTNIQRTFTSWSGDVVSDDR
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>comp13159_c0_seq1; 397 489 1583 LEN=2681; translated
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EEDIEVAPDFFSYMESTSTLLDTPDLLAVSAFNDNGHLKYGDPKRLLRSDFFPGLGMM
TRNLWTEELQSKWPYKNGYWDWLRETEQRKNRQIIRPEVSRTYHFGSKGGASQNEFGNI
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KPKN

>comp13160_c0_seq1; 348 21 893 LEN=2239; translated
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SSRVKWSTRKAPGRSGSFQRRRAPDRTNSSASSRRRTQKSTNVGTIETDDVSITDSVYTS
VTFQTMSITIRKKQMPNQAQKGNEMSI EFDHSDNWIDHDDGETYDYEDLSVFSSEW
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>comp13161_c0_seq1; 43 1 406 LEN=406; translated
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>comp13162_c0_seq1; 384 103 1310 LEN=1393; translated
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>comp13163_c0_seq1; 770 659 2326 LEN=2445; translated

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>comp13167_c0_seq1; 271 282 896 LEN=1108; translated
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>comp13168_c0_seq1; 1504 200 5613 LEN=5931; translated
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>comp13176_c0_seq4; 225 1 973 LEN=1470; translated
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>comp13177_c0_seq2; 357 1 1199 LEN=1922; translated
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>comp13178_c0_seq1; 2119 125 7175 LEN=7245; translated
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>comp13178_c0_seq2; 2451 125 8777 LEN=8877; translated
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>comp13179_c0_seq1; 143 784 1192 LEN=1634; translated
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>comp13179_c0_seq2; 201 176 898 LEN=1340; translated
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>comp13180_c0_seq1; 157 1 459 LEN=664; translated
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>comp13180_c0_seq2; 189 134 523 LEN=645; translated
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>comp13180_c0_seq3; 312 134 937 LEN=1142; translated
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>comp13181_c0_seq1; 536 105 2396 LEN=2812; translated
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KLLHEVLGMDWQKPYSFQ TLMWTTGAAGGMDYMLMGTFGLFCVVGPPVRAVLLFFTIVLD
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>comp13183_c0_seq5; 130 1 360 LEN=360; translated
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>comp13188_c1_seq1; 126 1 584 LEN=584; translated
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>comp13188_c1_seq2; 164 1 583 LEN=1403; translated
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PYCVEVYCKISAGVEVIERSDSMIYSIDENKENCPRINQIRTVRVQDIYSKGGPPWARALG
RRSLGNEEFCLQTVANSFAFVENWDEKVRKEWISVKNEFGIISNPPQPRDKTGAYEVPRTC
TIEFLEEEELPHYNPEPDGKVEFLEEPILLSHTWSPGFSFSKCHLEETAPADGFLPYVSSD
IEAFARYARFWTRGYDVYTPQNIVYLQSGGTSEHSQEWITNHGRRKSIVREKSLKRIRS
FLEIQSQDDDDSVMEKPNNLGIYGIGKRRSLSQLNAFVGITLNEQVSRSSSEIPCGNFHWV
PYNSEISPMNNLYSNPNNLDPQPEYPLRTNQTFFQGTFFEQSGQNLDANDKEPFAPSIRKDS
DDLPGYTVFIFWVIGLVVWCSVFGIMAPKRPKRRKKRQNTIKNK
>comp13190_c0_seq2; 386 486 1823 LEN=1920; translated
MKNPDVDGEQCGDALVELFKNAKDPDNVVVSLVEQQNEDDPYCVEVYCKISAGVEVIERS
DSMIYSIDENKENCPRINQIRTVRVQDIYSKGGPPWARALGRRSLGNEEFCLQTVANSFAFV
ENWDEKVRKEWISVKNEFGIISNPPQPRDKTGAYEVPRTCTIEFLEEEELPHYNPEPDGK
VEFLEEPILLSHTWSPGFSFSKCHLEETAPADGFLPYVSSDIEAFARYARFWTRGYDVYTP
TQNIVYLQSGGTSEHSQEWITNHGRRKSIVREKSLKRIRSFLEIQSQDDDDSVMEKPNNL
GIYGIGKRRSLSQLNAFVGITLNEQVSRSSSEIPCGNFHWV PYNSEISPMNNLYSNPNNLD
PQPEYPLRTNQTFFQGTFFEQSGQNLDANDKEPFAPSIRKDSDDLPGYTVFIFWVIGLVVW
SVFGIMAPKRPKRRKKRQNTIKNK
>comp13191_c0_seq1; 180 544 969 LEN=2484; minus strand; translated
MKVIEGASRVAFLAFLSHIPITLFDVAQGLFGPLYPKLLTDLIAWYCGLFGDVL MKNAP
SGEYAWFSSLIGCEILFQLPFFIVAARTIMTAGKCNSSSTNPSDGGSTPQESYPEWFRI
ACIVYGSHVSTTLVPILSCFVW
>comp13191_c0_seq3; 180 544 969 LEN=2454; minus strand; translated
MKVIEGASRVAFLAFLSHIPITLFDVAQGLFGPLYPKLLTDLIAWYCGLFGDVL MKNAP
SGEYAWFSSLIGCEILFQLPFFIVAARTIMTAGKCNSSSTNPSDGGSTPQESYPEWFRI
ACIVYGSHVSTTLVPILSCFVW
>comp13191_c0_seq4; 180 154 579 LEN=2094; minus strand; translated
MKVIEGASRVAFLAFLSHIPITLFDVAQGLFGPLYPKLLTDLIAWYCGLFGDVL MKNAP
SGEYAWFSSLIGCEILFQLPFFIVAARTIMTAGKCNSSSTNPSDGGSTPQESYPEWFRI
ACIVYGSHVSTTLVPILSCFVW
>comp13191_c0_seq5; 277 282 1133 LEN=2768; translated
MSVDPPKANLQSMALGGCSACFAVNFTHPIETVKTRMQVSGLGIGETASSLYTKEGIGA
FWKGLGFAWGREIFYTSIKLGAYAPVRDFLGAGGDAPFYMKFFAGALTGGVGSVVGPNPFD
VLKTLAQTNKASAPLSTMVGAMYKDQGVAGFYRGVEANILRACVLNATKMGVYDLTKGY
VTDATGWARKDVRTSFCSSSFVAGFFMTCTVSPFDRIRTNLMSQPTDKKIYNGFVDCAVKT
VRNDGVASLWRGFIPiIWARFAPQATLQLLTLEFLYTSFGFKSI
>comp13191_c0_seq6; 180 154 579 LEN=2064; minus strand; translated
MKVIEGASRVAFLAFLSHIPITLFDVAQGLFGPLYPKLLTDLIAWYCGLFGDVL MKNAP
SGEYAWFSSLIGCEILFQLPFFIVAARTIMTAGKCNSSSTNPSDGGSTPQESYPEWFRI
ACIVYGSHVSTTLVPILSCFVW
>comp13191_c0_seq7; 277 282 1133 LEN=2378; translated
MSVDPPKANLQSMALGGCSACFAVNFTHPIETVKTRMQVSGLGIGETASSLYTKEGIGA
FWKGLGFAWGREIFYTSIKLGAYAPVRDFLGAGGDAPFYMKFFAGALTGGVGSVVGPNPFD
VLKTLAQTNKASAPLSTMVGAMYKDQGVAGFYRGVEANILRACVLNATKMGVYDLTKGY
VTDATGWARKDVRTSFCSSSFVAGFFMTCTVSPFDRIRTNLMSQPTDKKIYNGFVDCAVKT
VRNDGVASLWRGFIPiIWARFAPQATLQLLTLEFLYTSFGFKSI
>comp13192_c0_seq2; 262 130 696 LEN=2083; minus strand; translated
MLCAIYNDGSACISGEMSSSDQSDRDEGFLRYCAQLRNQETNAVAYRMA TRVFVWYRGL
APAFCSCLIHCHISNLLYNI IASQSVFYTSSICHLYETSSASSRTDCVEELGCKEQSATG
TIFANELLSGVVPPHEGDRTKEDWALVCRWPLGQHATSTTLPPNVGRFQTSVDDLGGT
WHCKHESKW
>comp13193_c0_seq1; 418 1 1141 LEN=1181; translated
XAESTHAVDESESQSCDSMMQLQMGRMIRNPIAIVASCIVILAI AEAWSAIPNQRALN
SFSGKHASSTQYNNIDEDGCVPEPQKDNLSRRRFFQKGMVATTTFFTVTDPGFARAAIAQTE
QQTEEKQGLMTASAVADLLRPVPTFTTIVDEKGIPTTVVGEDAKVTGYFFTTYKEAQRILE

LAKSSADRAIAKAKADKTDEDIGTNPWKRARISTVPLDYAVTVVTKSMRMSGKGVYFKMA
PADDIEDALTVTGDDDLAEKVPFLFYEDFKVADGEGKEKTPLYFRKDELEKEWRRLNP
GKEAPKINVELLSLIAELLRPGGSDEELKNLAFVLPKESESKRKECLKKGGKEPAFVVG
KRIIVLDENDLDRSIFRRKK

>comp13194_c0_seq1; 261 60 911 LEN=1018; translated
MSTDLRKPTLIESIALGGASCVFTVNFTHPIELVKTRMQVSGNALGATVVGSTYAKEGLAA
FWKGIQWAWGREGSYASIKLGAYAPVRDAIGAGNKDSPFYLKFAAGAMTGGAGSLVGNPF
DVLKTMATNSGKSESLGKTLSDFHAKNGVAGFYRGIQANIMRACVLNATKMGVYDIAKG
FVTKSTGWERKDLRTTFCSAMVSGLAMTCTVSPFDRI RTALMNQGDKNINYNGFIDCATKL
AKNDGPLSFWRGFVPMWARFAPTATIQLVTIEALYGLCGLKSI

>comp13195_c0_seq1; 654 101 2143 LEN=3038; translated
MNTGTILSTIDTLLVCESDAEGNRDGNKQTLTLLPSQATEY EYENERFLVAWVLLTRLPQE
DLVDVWAGKHSVTL SNFAAGLLVDADTDNAAATDVQ TGHVAETDRCSASSGGDNDNMRGN
SSLDTCYIRLVTQVTARLTTSPENLKRIIYTAWKRAQSTVAAASPGILKLNVDVFNFL
SWIHHDDDFLSSDALALTDIWKVYARARAPSSPSEQKEPNVISSVSTVEQTQSTNCHDAA
AMISVLKSVLDSTGGTDHESNNADEMAGDDFYTVGNLERLVLGIFELRDSKRMPEELIC
AVLRWIAEEDGEVGF SRDLVMIWHGWLMKNIETILSKKRKNNAKLLSDPKTMDAVNTIVM
AHVVSPEDEGALRPMWQCIARIARAYGWSWGKATSRSQAICTWCRLACGEWKIQLEEAGD
LTAASPD RKSILDGCASLMTSVVQYLVGFDERPDKRMP LDPDGLLHLQESLEETISITST
FLNNSLDNCDHTSYSMI INVWSQLFSEVDLLMLGGAENVIGCLPKLLSVSNEEGLLNALV
HLITTAQAENKILELVGDLDSGPFVDSIVIYMKRFWKTAANGGWL TQND AHEHIQWACIA
IDILVEKSPNSVRRYTD PMLPAMEFLIEYSPMQRDGE LLLSLRLLVDSYVDAIGECHEA
SSTIKESHIVSRAIEILEK

>comp13195_c0_seq5; 654 101 2143 LEN=3017; translated
MNTGTILSTIDTLLVCESDAEGNRDGNKQTLTLLPSQATEY EYENERFLVAWVLLTRLPQE
DLVDVWAGKHSVTL SNFAAGLLVDADTDNAAATDVQ TGHVAETDRCSASSGGDNDNMRGN
SSLDTCYIRLVTQVTARLTTSPENLKRIIYTAWKRAQSTVAAASPGILKLNVDVFNFL
SWIHHDDDFLSSDALALTDIWKVYARARAPSSPSEQKEPNVISSVSTVEQTQSTNCHDAA
AMISVLKSVLDSTGGTDHESNNADEMAGDDFYTVGNLERLVLGIFELRDSKRMPEELIC
AVLRWIAEEDGEVGF SRDLVMIWHGWLMKNIETILSKKRKNNAKLLSDPKTMDAVNTIVM
AHVVSPEDEGALRPMWQCIARIARAYGWSWGKATSRSQAICTWCRLACGEWKIQLEEAGD
LTAASPD RKSILDGCASLMTSVVQYLVGFDERPDKRMP LDPDGLLHLQESLEETISITST
FLNNSLDNCDHTSYSMI INVWSQLFSEVDLLMLGGAENVIGCLPKLLSVSNEEGLLNALV
HLITTAQAENKILELVGDLDSGPFVDSIVIYMKRFWKTAANGGWL TQND AHEHIQWACIA
IDILVEKSPNSVRRYTD PMLPAMEFLIEYSPMQRDGE LLLSLRLLVDSYVDAIGECHEA
SSTIKESHIVSRAIEILEK

>comp13195_c0_seq6; 407 344 1171 LEN=1654; minus strand; translated
MSDRNLF SNLRSPLAKNDEYGVTELLREVSKRNSSLSDEERKEVSEMVKRVEQHNAKPSP
MDKMKKKFAELSVVNDMGSNRRTKNSTVGESDDNGDDPRADKSVKKFANDLFQKFSNMD
TISAGQPKDPVFDGNRGKEFFRSLSMKGIQSPLKMTNSASTEQQTPSRAEGDRRPEILKA
FEQSSQSGKELLRNLSKKIQSPLSSVPNKDPPPSAAETA AVSEAFRDIQKIHPNIADL
PQKEAIDISNEDQKKNATNLNSIQTP TIVDFPEEE

>comp13196_c0_seq2; 99 296 743 LEN=743; translated
MIIFLLVLVAVACNVGTAEGTLFPIFRHEIRAAGNGSEEPYGEIEQLEPLRGKIIIEAH
PDAFGSEMTEGKIVTKLFSGVANGERCVTGEVIESTVDNSLETTDCYVIENGLYALQ TWD
GQIGACEFTLQNYRGPFFASGVDPDIFSATDX

>comp13197_c0_seq1; 271 21 359 LEN=1062; minus strand; translated
MKYAGGGSERESEEEVAENGRSEDDDEKNEGVL DYDSVPSTGRQPCSDNINALGEVADEN
DLETGGRGYESKHRVPEGSEVLN SSGGTIEEMDPIEQMLNQVEDEM KDIRKM

>comp13197_c0_seq2; 410 1 954 LEN=1657; minus strand; translated
XSGPPDFSKESTYGFYGLGSFIQIAMALKNTTASTDPTFTQV FVGYNFWYRISKMENDQK
KVKFKLEDDSKALPRKSAIVRSARRIRDKMNGYIQRNEKESDDEEDKKIRDCSHSSSGCP
RSRSSGIALEEDSLHDNNEKERDRRESLKPQAIADSARAAFWDWQTLGN SCIKLRIFLSI
LINYCGLSTVFLFLPIQLAHSESAMDFILNSVAXKNEEHVGGGSEERESEEEVAENGRSED
DDSV PSTGRQPCSDKINAVGEVANENDLETGGRGYESKHRVPEGSEVLN SSGGTIEEMD
IEQMLNQVEDEM KDIRKM

>comp13197_c0_seq3; 501 1 1072 LEN=1775; minus strand; translated
XSGPPDFSKESTYGFYGLGSFIQIAMALKNTTASTDPTFTQV FVGYNFWYRISKMENDQK
KVKFKLEDDSKALPRKSAIVRSARRIRDKMNGYIQRNEKESDDEEDKKIRDCSHSSSGCP
RSRSSGIALEEDSLHDNNEKERDRRESLKPQAIADSARAAFWDWQTLGN SCIKLRIFLSI

LINYCGLSTVLFLLPIQLAHSESAMDFILNSVAAGFIIEMDDYGEKGNILLGKDDSGEES
QPFLQONATDRTQKNEEHVGGSEREESEEVAENGRSEDDDSVPSTGRQPCSDKINAVGE
VANENDLETGGRGYESKHRVPEGSEVLNSSGGTIEEMDPIEQMLNQVEDEMKDIRKM
>comp13198_c0_seq1; 425 65 1003 LEN=1172; translated
MTDAKEQDSKIQKSESSAVAEAAVDTSFNKLNFINLIAYILNSIATYSIQFGWIDRPNG
DISDKYQTIITPFGTSFLIWSVIFMWQLFWVCWQFLPSQRNSEGVKAWYYYYPIFTVFQA
GWTFSFSWEIMWLSLIFMYAILATLISASMSLQTYKKTWKGYLLWQGPFSIQTGWIMAAS
ALNTNVLVPVYEAESTTVKIVVSSLSLVVLVVTAFWTWSSYPVDFAIPLVIVWALGGVYAE
LQSPMPMILEEFSTKQINGVQNGVLAGLVVIGTGIIAKAAYVILKQRPETMKLAAQAEVP
KSVSDSAEDSV
>comp13199_c0_seq1; 145 1 1104 LEN=1104; translated
XRLVVSGLTAVDRDQVTFYFLHEGQFLSEMGLHAGLGLRGGVVSCSVTALIEEILPGEHE
DKADASRQPLGQQQQQRQDQRPQPVQLVAWDRTELMDLLEQHKSIERALRAVLSDIVS
KLKSQRVLLASGHKIDPEVWTLKRREQSLAXVQGHTEPHAGGGRAAAPAAAAQPAARAAA
AAMEKTEGGPGLHETTTSHSTNKQLLAKYREIHQVSDGDHSSALEQIGWTPSEFESGRRV
GAATTTATRATAVATAIKTTHGEGVGAEDRAPNATNPSPKGAGGSRAAPRENRFGIRDENT
HTRGGKLGIAREPSTARTAPRDRVDRGKRFWSWEDALAFRCVPSVETPVLGLGKPSRQFFK
SAQNKCGA
>comp13199_c0_seq2; 568 1 2091 LEN=2282; translated
GLVARLERAEPASGGTPNVDGGGGESDRLLVQKYICDEMTYGDRKFDVRFVFMVASVDP
LIVFYHTQQNYVRIGHAVYDESNFNSNSTRALHTTHTFGSAETKATWDEFRELVERHVLDP
GSRFLGRFDAGSSSNNGDSEAPLLLTI EAIRDPFGHVQKQMKTILAHLVDAFRNTTF
HGQSTATENGFSWHAADMIIDNNLDVYIIEGTDGPGKDEDYDFRIKMHEELLGSMVDILE
EVVDRQEEGRPLDVAEMKEKGI LGGYEVIYDDGRAFDYXAHAAAPPVVRTLAGEATKPEG
RRGCGNTGSPDANRGTGNFQGARDEPQGNPPDLLDEEPDEAAVEPAARALRRNGWTPVD
RPEEAQLVYLSGGDDLVLPGKELPYEPARWQLVNEFP SQHEFFEREYLKHLDASTVLSYK
DSREHDDGGACRPVVHRGRP IRVHAYWLVLVLSPLTVLYRDGYVGM DYSDRHEDEF LAPQ
PRGLDGKVEGKRVWEGSWTALEHYIHKARGLVPPPPQGAVQNRSPWKNGAATVAVEIRSD
PVLHVKNQMKRALVSI AEGFRDHARGEKPAYRPFALFHADFEVDRDLNVFFRDAYHSYV
RGEDHSEVVLDLHADLYGSAFRMLEHLNATSNGTLDLPGGKSMGNYEWLIRPSGLRDGLSR
AEAATGGVATEDNPRDHDGLSKFTYDWNQKARECFA
>comp13200_c0_seq1; 239 1 1010 LEN=1180; translated
XKNKTSGLIQRRGAKTHRSDTKPQKDRSIPDCATMFRDNELENGWTGLSEKTAGKD
CRLLRKLAALRENRAALKEERSGEIERLESVFQSTKERLARLLERTHNAAYRQHLRHY
HEERPVEDQQPGDPTPTTRGIGYRGAGGGVPSVSNYVVKHETPLLSALHRSFLVLPNQIE
VCEGEYERNLYPFFRDEIQALHIESLETLDWRMRRLSAQA EKNEALYESYRKECETKEE
INKLKI RLQQQRDQKGYCDES IASGTECSSDSDSEI SPGREAGVGLKLLFTPTQKIER
ERSHPKVSCGGPDVQIATRRKFRLPFGQRNDDTKIK
>comp13201_c0_seq1; 380 38 997 LEN=1227; translated
MSSAYLIAVATLFLVIGMASALTTGPKRVVSVGAGGQTGKSLFRQLLEDDDFDPIGLVRT
ETSKVAVLEDCGASKAPSLIVCDVTDEAAVKAALDWTSDALCICTSGTTPRPTGETTEEG
RPIFGYPEGGDPEIVDWIGQKHQIDAMAGVASDSVRHVVCSSMGGTDPDNMLNTLGRTK
DPETGKETGGNILLWKRKSEKYLIEKAGASVDCNLRYTIVHPGGLINETGGERELIVGVD
DDRVGYGEGSPRTVPRDDVARVMMEACRSVDIFGNRSFDLRAHEPAAGDEAPAVATDFS
KLLDPLEGKNCDYSLGKSM
>comp13202_c0_seq1; 420 262 1494 LEN=1957; translated
MEKLELLSQTAILKQIDRTGGSEEEKTSSDEKYENAVLVDSSNHMVTGLPSFSHTQHLL
SAAVAAGTSGSVPPGYTGDKRNRTPKLRPFPVGTAAVGRNIASPVSTDGEDEEEEPGAI
LRGTSTTSNRIKLSTHNAKACIVESRSPITTTLEYGHQVAVGSSPPYPSSPATYGFGLVQN
HSHSLNQHQPEHQEYQVSLYHNQHRSI IRTLSEASFAPPYSNNAMAANSHAGAASTNS
EIGAAFQPPQQQAAPRLELQPRHSSSEDMARQIRELKEQLSEKDVLVSTLQNRVNCLEN
QIHELRLPTGKISHIPVDDMIRIMQVYGSEVSNQTLPPQQRKQNIKKASIVRQFRRWPNP
FFRFFVHHNGDWVPKLGREGELRRRVEKRLLLLIAKQONQAGVPGVPRSK
>comp13203_c0_seq1; 672 189 1769 LEN=1967; translated
MKPTPSLPAAWFAGLSILFGHLSPANAWVCPAQGGTIRKNEGSLAIGKGRFGGGSALS
SSGFSDERAGNSNSTSPVLERLRINGVSVSPKGFHVLEPTTARKTGTEHAGATDPACG
EGEGKPSPIELGQPPKRQIVPGASDAAIAPGASDGETQRESAENGAGGLLLPLKVTNDPA
DAFAATSPESLTLQLLSGVDMAGAILPELLGKIVVSHVEDKVDSMYDDDEEEQEODN
AAVFPVPLSPIEGKLWFLKNEEALSREQQASASLYASSPVPPRIPQLPEVTLDQLTLVP
AHHREGKAAGGSHPSWLCRLECALPQWKDFLTVDVRADLLASLAYNYDPESSPLFTICIAL

ALRYKAPIVLEEELRQDAPSGGGHAGKETETKGEAKAKKAPTETEGGSGKSNSNSSSSTNT
NTHNGGYWSSPDDLDRDFPQRTTLRSLRQSSRVTONIERGFEIHKLTGALEIARRLGDD
AAAEKIRAKLDEYDSMEGLPTLGDASGGRTTGGDDRLDDLEQNILQ
>comp13204_c0_seq1; 151 409 977 LEN=1151; translated
MVTPXVPKRQGQLGGWVNKLQRKDRLLLEERLERLNEIGFCWDARDGKRRERQTRWWKQL
ESLPKKQGQLSNPATKSGGETTSSRDTELSQTSRQSSLLSFDNMTTSSQKTWLRQRMA
YIDAGYKPSQKLDEEQIQALNNIDRDWWKTARERKWDQAQYSALKAFKCLKHGTFFLTQQILN
TARLFSSRYW
>comp13204_c0_seq2; 190 409 971 LEN=1053; translated
MVTPXVPKRQGQLGGWVNKLQRKDRLLLEERLERLNEIGFCWDARDGKRRERQTRWWKQL
ESLPKKQGQLSNPATKSGGETTSSRDTELSQTSRQSSLLSFDNMTTSSQKTWLRQRMA
YIDAGYKPSQKLDEEQIQALNNIDRDWWKTARERKWDQAQYSALKAFKCLKHGHCNVMATHN
EKKLFNW
>comp13204_c0_seq3; 151 409 977 LEN=1452; translated
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ESLPKKQGQLSNPATKSGGETTSSRDTELSQTSRQSSLLSFDNMTTSSQKTWLRQRMA
YIDAGYKPSQKLDEEQIQALNNIDRDWWKTARERKWDQAQYSALKAFKCLKHGTFFLTQQILN
TARLFSSRYW
>comp13204_c0_seq4; 198 409 1103 LEN=1354; translated
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ESLPKKQGQLSNPATKSGGETTSSRDTELSQTSRQSSLLSFDNMTTSSQKTWLRQRMA
YIDAGYKPSQKLDEEQIQALNNIDRDWWKTARERKWDQAQYSALKAFKCLKHGHCNVMATHN
EKKLFNWVQNTKSYRAVKFHKEDGLRSDGSPKLSMQIELLDRIQFTWDPW
>comp13204_c0_seq5; 119 409 924 LEN=924; translated
MVTPXVPKRQGQLGGWVNKLQRKDRLLLEERLERLNEIGFCWDARDGKRRERQTRWWKQL
ESLPKKQGQLSNPATKSGGETTSSRDTELSQTSRQSSLLSFDNMTTSSQKTWLRQRMA
YIDAGYKPSQKLDEEQIQALNNIDRDWWKTSSALSRSRNFNLRIVVDEETAX
>comp13205_c0_seq1; 196 1140 1749 LEN=1749; minus strand; translated
MAAIADYVGTNISAQRDANLRIESRRDITCAGGLEAIIKGMADFERNLAVQVAGCRALA
NLSHRGGYECKDYFGQSSNRQMLIARSGGIDIVLKGALGTHSYAVDDYNHTVACNTDLQE
HACRALWALSFNPKVKKAIIVFKGGISSIQTVVNTARKEARSRAVFWARLALKNLVNER
GGGCLSKLVVILGFLSGVGFAYX
>comp13206_c0_seq1; 584 1 2159 LEN=2285; translated
XIAVGTDISILVMTTREIDLERQLLKSSFGSNNKNQSKLVDILDDTTRSYYSTGTTTTA
NSSSPHSIQSKSTSSSLGKTRKTPKPVSKDDRSVLTAASRSSRLTANTGNSSRSIAPN
RSDPSRLPATTTSKSKRLSFDGVSYPSPSAHPDIQLRSAKGRSATNGKSKNTHSLPSAS
SELPVESAPSNPKKHQHKDSTKRNQKIRNSKTMSNYGKVPENRIEHSIEVPHDEGEAQ
DTSSSGPSSKLIWLSVICFVVVVTAVAVPCALLLGGSGGNTNFPNLSKAGNGDIVALLSE
SICNEGIPHSCTPERTAEENLGGELCNLLAKAMINTTVPGDIAIVNAGVCEKDLLAPE
LKAGDIKKAIAAGEKLVAVDISGVDLSNLVTEAATASFGPSGNSKAYPYASGIRYDIEANL
PPSERVSNIEVNRGLSNDVWEPIDLRKFYTVITTESLAKGDMGYDSFAKVIDDWDKPLNI
KTGDADFYYYAMNNGEDPSWSVLPSSSEYSTQYFLGENDEAKLGVVPQRICHALMPGQPTSP
SCTAADVANGGGVCNMVAWAVYDQNLSDIVMIKGTCKNDIEDGLLVEKIDSALSAGDN
TMHTFEVVGSGVVKYLDDELVSEAIDDGIEGSYPYAGVRFVKNKSTPKVTNVEVLSPSG
NWEPI SLNKNYMAQPTGTGSADSQLMKKTMKENIISYADEWNTMYPPPAKASTQSFA
>comp13207_c0_seq1; 355 162 1097 LEN=1504; translated
MPSDPLVFGFWKVPNEVCSSVCYEAIKSGYRRLDCACDYGNEIEVGEGIARAIEDGLCKR
GDLFVTSKLVNTYHKPEHVRMAFQRSLKDLKLEYLDEYLIHFPI SLEFVFPFGKKYPPEWI
NLDGKMVVVPMNDMCAWKEMENLVRDGIARSIGVSNFSVQLLRQIFSTCEIRPSTLQIEV
HPHNSQEKLVRFAHENDMKVTSFSTLGSTSYVELSMASDEDSLLSNCIITDIASAKQKTS
AQVLI RWALQRNIFPLTKTVSGNRMKENRDVDFSLTSDDMKKINDLNENRRFRNDPGVFC
ESMGTFCPIYE
>comp13208_c0_seq1; 404 505 2760 LEN=2942; translated
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GGFIRDEIAPKVSRLQREHGCIEHQLOQRTAMMIGSNNQTTSSSKQKMKHQAWLYKRTSK
KRELNRMETFLELATNLYRISNELNPAILYTTVLWQRSQSIAPRDFVAAEVDRDVVCCDS
NSNNSDND CERRRSEQRLLQAYRNAACLENVRLSKAVWERLDRLDGTEQHSSAASAVSS
LSTSTVASSNNGESSIGVASREDASILSSLRIFCNSFFVCSSCRGMFHRDYYQALVVRLP
DHQKTLDPSPSFPYICIHWCNTWAREQRQERNR KALGRTTNLPQRTAGSTNQSLGNSGK
LEEDRN GRGCAHTKVLPAIQVPSTSGTSLCNSNKKEFVPQKTTTTITPPAKSHENAKNSK

FESARYKARKKVIQDRISMARSQNCASAKNHEPVHAKVEISVTNITTPRSQKESTEGNWS
ELGSSLSLSSCLHPALKQSLKKKATLSIPLEPTCPLKLAEQPPRRRTTSRTDRI STMKLM
NSCAVLSDNSHCADTAAAEKQSSKSSWSRFGSSSESSICSN SIAECESLHSTACTPSPQK
QRVRTNPIRKSTASEVSDHAIHSIAESLCSDFSIPASVDLHKSFGKQFLKSAMKTKTLL
DSIASVSGGCSPTKVQDFPFTTKPTKVTPSCKKKNVRFRTPLVEYSRKDQTTFIEDSSIL
DTSAEIMEATEYFCTCDTLMSAFEKNKYRMK
>comp13209_c0_seq1; 663 141 1448 LEN=1562; translated
MKFSLALFLACAATAEAFAPTSSRVSSITAKGGMSDDIGIPCEDECAIEKYPNLPESV
HPGVLSGQAMMDLLDHAKENGYAIPAVNCVSSSGINACLEAARANDAPIIIQFSSGGSQF
YGGKGLDNTDYRAAIAGAVSGAFHTRTMAEQYGVVILHTDHCSKQLLPWVDGLVSASER
YFKTHGEPLFSSHMIDLSEEPLEENLEICAEYLSRMEKIGLLLEMELGITGGEEEDGVDNS
DRPVEDLYSKPEEIIYQTYEELKKVSDMFTVAAAFAFGNVHGVYSPGNVKLDPKILNKAQEYI
SDKLGDDAPENKMPVSFVFGGSGSDVSDIQEAIIGYGVIKMNIDTDTQWSYWEGIKNFEA
KYHDYLQGGQIGNPDGEDKPNKKYDPRECMRAAEVNTVKRLETAFAADLKQCQNILGLGESK
LASNVLGPRRGGLPV
>comp13210_c0_seq1; 322 364 1137 LEN=1460; translated
MVRQNGGKVAKDFYKILRVSSEATKAEIKTAYRKLAMTLHPDRHDGDEGKTKAFKEATEA
YNILSDNERRRQYDVSLGRSSPSGWYNKNRRRPPPSGYRKVYAPHAPPDGKWHDAQRHVD
MHYGDGQYHDALKSAYKRAKENGFEFDYHSPIGKGFTESTRKKANSKDFNPYSKADQGP
ASSGYEYEEAYISEAKQVMKRKTGVVNMLYERRRQRLQFQEQQTHTNAAATTDQGGTGQA
MHDPFQQQSPVGNCTIM
>comp13211_c0_seq1; 463 33 1226 LEN=1293; translated
MGTLFENNETRQAFANLSTGSESSPLHKKKQKALQQEKTfMDEMTPSISEHGYNSVSKR
SPVSTQRSIYEEKIDFSFPLSHSSDTVDNPLALSVTATTNFSTIIIEEDEEMLAQSQT
NSLSDSFPREDIEGVHKYEURKHFVSPEQAENDNRDEYAKYGYGEPSPMAMMIDNEDDKEV
EENSKYDCGETVIPSPSIAPYSSLNDGSRKAFCEPERMPRRSSMKCTSSPRSDSIRSSEE
FEIFLFPQIDPVQRRRSIAFDNTVLIQTIIEPVRSLVADSQSLWFQDIEYETIKMKTLSLL
DRVDHASGFMDGKCYCTRGLEKFMapeateEVKKHQAWDCVLNEQFLQRRDGEFDEDSIAN
IYKYSTKRSRKEASIRGSQDAQVAQTIHQTTFRSMPI
>comp13212_c0_seq1; 149 177 890 LEN=1792; translated
MSNTGHDEFDRLASELSATIKEIEVALRERASGDSKNDKESRSGTNKLIVKASSILSKLS
SVTKSVSEREPEGLKQELVDIYKAYKMQMKTfKSLHQPELfkNKIGTKASCTEKLESEK
LTLFSSSGKTVGSDEQSSRWHDTSGTRKNNFSRNGHSRDGIVSNTQGRVGKQNSRLQDA
LKSLAESEQVAQEISGELQGGRETLOKAHGRMDQFSAMTEYSKTLNLSMNKPWWRWK
>comp13213_c0_seq1; 447 84 797 LEN=1006; translated
MVAANDRPQKQATLQOGEKDESGGERPLIEVDVSIKRLTKGLMEMEISEEQAHSAGGI
FRGIAAAARAKLPVLKQASTQAVRSIGSNRPLAFASEGAVAGNAMMPRWMYGAWGLSGA
AIGADITTRTWDAPGDKKWEATAAYWTAHFVPASLVVPAV I IHKIVHAAEHSMEHHSYAKK
IPVGARPFVPLGALLSVIPIVPAVDHAAELIMEPTLGDYLGLEFHGHGHEHEKED
>comp13214_c0_seq1; 1348 359 5328 LEN=5328; translated
MGDSEDLNGSSSSIMIDEAFTAHLQELGLSSTIIVDDKNAYDDADGNENCDYYGYHSDL
YGGDDGDESYLADLLQQRDRRTVQREEIMEEALERFNAVPNINEETGKQKTDRLFLKLV
EEVEKEMEEEFQRRNDLQDERIARELLSKAKDQQRKLEEEKEKEFEKNRDYYHDGHTDD
DSYEIELPQGVADDEFRLEMDGVAKVNSHKSRCRRFMESQPSVPTVDNSPFESSYKSSI
KSLDWEASETFKSARSFDRRFISDDAMSSSCSESLCSDESDDGNSSTSVSISTNGSIESE
RERRNDGLKIKKGKSEDETDQFGDDFSDDESPVSVTEGGSERHQSSLLKEKPPKSNFWR
NKELNSLKSSFLSATATAARRNRINPSATAPRHVWIKGIQIGKSSLVESFLQDDILRT
KPFVCRGIFEDNWIDRSKPFSAIVSCFSDLFGSFYKGNDTVKWVEVIQNCLDDDDNDIAVL
VLLIPALGTLDDVNVDTKYSFDRDNFSFERLSSTLGRVLSICEYSTTIFCIDNVHWA
GDDSLQLLKAILMTENLENFFFICGYRSGVTKSLSKVKTDLSSLFVADIELGAIDEESK
SIVRSQLRRLNKFPIDTKMMNSLMDSCFTHSSSNPLFLKHLVHFLYEQKI IKCTGKRWK
IDSHSELPSLNLINDRMEGLSSTHDMIMQSAALLEVNNFRDITLMVAVTTLSQSRELD
IGITEIESDLSILVNMMIEERPKNHAFADGTIRTAATSRIPVVNKKRNSALHWDLATN
FEKLRGTAVMKPELNGDGTSLLI VNLNKGIASVEDKDKIKMVVIRNLEFGEALMKRSA
FVTAIGILETGMAALDKKKKWEDSYTVTLQTHLALARCLYCTGEPDQAKSLLNTI IANGR
RPRDAIDAFALLISIRSKMQYEQAKQCTLKALTDIWDNVSQYNVEDKFSKVRMLVQNR
SDADLLVLPSEHKKSTKMPFLLQLAEISGLCRAYKLQDLASLRMIELTLKYGSCENL
TGLAFALCGLCVARRHLHGEAYRYGRLEAEMMSEGENPYGRQAI AHHHYSMRHWRSSMKNS
RATLDDLCRASIKANEVDNLSFQVGTYISSIFYSGSAFDCEDTLLKLYDEKRAQHDLPEC
WNVTAPYRTLMLKLSGEIPKLVKKKHTDTRAIQYDLFFQMVTSIFMQDMEKADSLNAKVVV

KPGGCWGPYRVFMQGLVATHFVQMTTGRKKISHQKQAANLVGILTAWTKKGMNNTAHMAN
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LYLSRAFSLYKEWGANAKTEQLERRYKNYLGITSEPIRGIQKGNMFTDSNRRPRDR
SRGEIVRTASRRHGVRFSHDEMINQRNQSSRNMMFARGSPSAPNIGRTYSFSENRNST
WDKTSNSSRRLDRLSATKGLSSTRSKSQFLSTNDKNARTPDSTKSI PRNKTKRPALLRNL
SSSLTMSVASMLTKPSLASRKEAEDTKAARQERRSSSRLHAMEKKTNSLSYFPSNEGRKP
FAASPRPTERLERRLSQKPKTSRRKFLDPGVYGYSAEPYSAKSDVEDLSLEEELETLK
VIKKKKRMSKIVSSHLTKSDVEDSSSEEELETPKAX

>comp13214_c0_seq3; 315 1 487 LEN=1048; translated
XXXXXKMSKIVSSHLTKSDVEDSSSEEELETPKAXXXXXXKMSKVVGSHPSKSDVEYSSSG
EEELQTPKAKKLSKESKSKKSKKNEKKEPQSPTSEKVVSLDKKEKTSKKEKTKK
ASSAETPSESTSEDRMPSYEENGLGKSARAKKKAKNRTATL

>comp13214_c0_seq4; 190 1 1246 LEN=1246; translated
KKKKGDLVKGSMGPHFFAITCXVELTIASDRGTTTPKQSRILLDTAITFAYQDGFTHHAAL
ASERAGLYFIHQDDKKMASLYLSRAFSLYKEWGANAKTEQLERRYKNYLGITSEPIRGIQ
KGNMFTDSNRRPRDRSRGEIVRTASRRHGVRFSHDEMINQRNQSSRNMMFARGSP
PSAPNIGRTYSFSENRNSTWDKTSNSSRRLDRLSATKGLSSTRSKSQFLSTNDKNARTPD
STKSI PRNKTKRPALLRNLSSSLTMSVASMLTKPSLASRKEAEDTKAARQERRSSSRLHA
MEKKTNSLSYFPSNEGRKPFASPRPTERLERRLSQKPKTSRRKFLDPGVYGYSAEPYSA
AKSDVEDLSLEEELETLKVIKKKKRMSKIVSSHLTKSDVEDSSSEEELETPKAX

>comp13215_c0_seq1; 368 263 1204 LEN=1406; translated
MVLNRRACNVRSDFI PMKSRLALFSTSSSSSPNKKKEFAKLRLEDANPKRITGIQVN
PDSLGYGVLPGNLTYKTYKWSGNTRKIPLELAHGYFWMVRDLKQTNQKPTLSNETLIPES
EAQLFPTLEGLTTLDDLDTLDDLPLFFLEKAHQPKKSKQRIGGKITLVAVTYRDNQFKM
IPSWIDPFEQAFQKKVGEDESSSRVQTFTVSITESWALYPIRNTVKRVMKRNNPEDKHSST
LAYFGTKEVMDFRDILRMHNIMTSYVFLDDLGRVRFAGSGEASEDEVTRLVRFKELR
ETDGPRRKAPKKQ

>comp13216_c0_seq1; 559 1 2213 LEN=2271; translated
XHTTPHHSKPELQEPSTLPYRAMALLLETTVGDVIDLDVEGSPALCKNVLKLAKARY
YTGSLVYNVQPNRFFQLGDPGCGDTGGACIYGLLDAHDKARKSNGGAKPDVLASQRRFLR
SDMGRALTEGECRQKGRVVATEMNGIQNTIGSQLLITVDEGPERALDSFRNDTNTSGNRN
RNRNNDAGEAGFAPSEGQFPVPTFRSVGTVAEDSDVLGKINAAYCDADGRPYADIRVL
RALVIDDPYEDPEGMDQLLEDRGVRVSTTALAIEKPSPPGGGETSGGSAAALRQRVASPE
YERPEERVEIRISASEVDQDGATEEEDRKLRLQEEERLKRDDKSRAMVLEMLGDLPSA
DIKAPENVLFVCKLNSITEDDDLELIFSRFDEKVSVEIVRDHKTGASLQYAFAEFTTKEQ
AAEAYFKMNNALIDDRIVKDFSQSVSKVWDRFNQRNRKGSFSPGAMPRDPFHEQKRHGN
RGREQKAGAMAAVAETIEGAPTAGPATIIRRAGTTKATTTGTIGTAIRQRGTGIATAVQTT
ARETTTGTETKTETETGIDRGPATAMAVTHTTTGIAVIAIARTIAASTRGGPTKTEIAE
VPTTAEAVRDRGTTNTTAGGGKNNRRIIEPRENGGKTAMPTMALMATTETARGRLKGGGG
TVATGGVAATAAAVEAATITRHPGAVATERAKGVATEKATTKDETTSATDGI GNIVITG
LDRIVTDVVEAILDHRR

>comp13217_c0_seq1; 1010 211 3108 LEN=3163; translated
MTTPIASRGLSSYAGRVMGSRTPTFKTATRSLSSFAEPGLFNSDVMKMRTKDADKDS
PLRADIRAMGSILGQIVKDHGEDI FQKIEELRGLSKEWRAAGAGRNPEQAQDADKIFAE
LTKACAKLSNEEILTIVRAFNGFLSIANAGESHHRIRRLNMATREEALPDRFDS CGGALK
ALLQDGHSP EAIYDALTSQQVELVLT AHPTEVNRRTILEKQRRVQRLLLTKADYLRERNIP
STGYDQTELDRLSKREIASTWQSDEVAREKPTPVNEAERGTLVVETVLWEALPGFLKRLN
SVMKSLGKSLPLDACPVIFSSWMGGDRDGNPNVTPDVTVREVNLNRAQAASLLKRFER
LKSELSIMECNEELRAVACETKEPYRVILAKMIEKMSRTKTWAEEQLESANNQSQYGVDD
VYTTKQEVVDELMMIHRSLLETDNEIEADGFLTDIIRNVHAFGLTMVTLDIRQESDRHEE
AIDSITRYLGLGSYSDWDEDTKLTLWLQQQLASPRPLIRAGEWNDHPKFFSPTAVDTLET
SMIADQLHEGSLGAYVISQATSASDVLAVLVLQKDAGVKKALRVAPL FETLDDLNGAADTM
KKLFLSLPAYMGAIDGKHEVMIGYSDSAKDAGRLAASWAQYETQEALAKVARNANVEMTFF
HGKGGTVGRGGNPQTFQAILAHAPDTINGRFRVTEQGEMINQNFQYQDRAERTMDIYTAA
VLAEKLTTHVRPTDEWRGLMKTISDVSCDAYRSIVSEDPFRVFPYFRSATPELELSNLNIG
SRPAKRKPTGGVESLRAIPWNFSWTQTRLNLPWLGVGEAFEKILASDDGDKLREMYREW
PSFRTTVDMVEMVLAKSEPKIAQHYETVLSDEKAKELGAEIRALHVQTEDAVLDLTGHE
ILSEENKVLMLQLLEVRNPYVDVNLVLTQETLQIRKFEDEEDKVLKDCLLTTITGVANG
MGNTG

>comp13218_c0_seq1; 244 307 1622 LEN=1837; translated

MRPXETPLLFNLSVFYFPVKTFWVQAQRKDKESNGSSTGSSDDKNVNEIDDNSKKTGT
NTKSVAERTKQFEAINKNGEKDTPAFVTETQVMATTRYWLNWQLYAVVQAVGHCFAMIP
IVGRFLIAHPIFSFLTGECKLFFFLWVFMVEKILGSATSTSGDAFMTDARPLKLVQTFVT
PLVLNLHGVSNAITPELWHKGVVSKTKRFLDAAVFVRLLESEERRDWLVHMVEEARVLT
PSITLLMPGFVTQVGVAVVRYAVPSAKSAEAKSKATKLVYLQYWVLHCCMAGLLAYLEGI
IWWIPFSTHMVFLWLCYLILPKAIRHIYAMLES DLVAFGLLPKIDDPAGAKKEISETRIA
RFFDWCLSWLPAADMSTSDNKKQIDGARGKEDQPEAVASDSEDSKPEKASETAESGPLSP
KQSTPEVDVGEIGIKDKDV

>comp13218_c0_seq2; 264 285 2237 LEN=2452; translated
MASEFVSTISEVVTISKIGNPLEYFNQQYYGVFLPQYHFALTRLEIQQWAVYQTALHACAT
DSWKALSSTYKLCYLILRPF SILSWIVAQHAGRFIGE HGGKSLQSLAVSSKRLAIA CVRF
QMSLNRIQLLGEAGLVGLCVALYLRKWLKQTYWARMVAWYRAKKKNAIQSVNHFFDKL
ARVSKILLALTIPLHIFVGLSVGIRLVFPEAVRYATYETPLLFNLSVFYFPVKTFWVQAQ
RRKDKESNGSSTGSSDDKNVNEIDDNSKKTGTNTKSVAERTKQFEAINKNGEKDTPAFVT
ETQVMATTRYWLNWQLYAVVQAVGHCFAMIPIVGRFLIAHPIFSFLTGECKLFFFLWVFM
VMEKILGSATSTSGDAFMTDARPLKLVQTFVTPLVLNLHGVSNAITPELWHKGVVSKTK
RFLDAAVFVRLLESEERRDWLVHMVEEARVLTLP SITLLMPGFVTQVGVAVVRYAVPSAKS
AEAKSKATKLVYLQYWVLHCCMAGLLAYLEGI IWWIPFSTHMVFLWLCYLILPKAIRHIY
AMLES DLVAFGLLPKIDDPAGAKKEISETRIARFFDWCLSWLPAADMSTSDNKKQIDGAR
GKEDQPEAVASDSEDSKPEKASETAESGPLSPKQSTPEVDVGEIGIKDKDV

>comp13219_c0_seq1; 415 22 1250 LEN=1536; minus strand; translated
MAHEATEVSMPEVRRGGPXF AFISSGMRDPPSGHGATSTGTTFQAAITGRKPWLEKDTLL
LFFFFL LLLFLVVLPRGPPVREAE TVLAYGSDNFHARRQIRHVADLDRQAPLPEDGGRAS
GDFPSSDSFGISCEWAVVVVVAWTPFAVFTVWKWIDLTLNRISAPSSISNPSVSSSFSS
SPVFCSSGGDSFSSSFTFVAEAGPASSIL TSAAGVRAFAVVA AAFPVLVVLVAVVRRP
HPQPEFLAVPAGPEHPVGRYENVVVEVSQADLDALRGR LDDLPHADLV DKGPEDEPEEA
LVVRAPVPRHARTVRDFQAGTVP AHDQPNVHQH AVGV LQVDLVVEGRQR RERQHVCRHPD
AIGHGGQDEHPVLF RSVLCCSVL CGKGVVVRWFSGD DSIRSDPAGSGCCLWWQE

>comp13219_c0_seq2; 414 22 1265 LEN=1551; minus strand; translated
MAHEATEVSMPEVRRGGPXF AFISSGMRDPPSGHGATSTGTTFQAAITGRKPWLEKDTLL
LFFFFL LLLFLVVLPRGPPVREAE TVLAYGSDNFHARRQIRHVADLDRQAPLPEDGGRAS
GDFPSSDSFGISCEWAVVVVVAWTPFAVFTVWKWIDLTLNRISAPSSISNPSVSSSFSS
SPVFCSSGGDSFSSSFTFVAEAGPASSIL TSAAGVRAFAVVA AAFPVLVVLVAVVRRP
HPQPEFLAVPAGPEHPVGRYENVVVEVSQADLDALRGR LDDLPHADLV DKGPEDEPEEA
LVVRAPVPRHARTVRDFQAGTVP AHDQPNVHQH AVGV LQVDLVVEGRQR RERQHVCRHPD
AIGHGGQDEHPVLF RSVLCCSVL CGKGVVVRWFSGD DSIRSDPAGSGCCLWWQE

>comp13220_c0_seq1; 236 135 557 LEN=1532; translated
MTTNTKSTIFALACVALASSSEGF SVSENSSSSRRQAIGSILGGGA AVVASTLLPQKSVA
VETTDIDDFLRTGGVSMMPMGVSGQAGKSKPETGVLLREGTEISRDSKSGNVLA EILVNEK
GSGEKMAVVT SFQSPWSLGK

>comp13220_c0_seq2; 219 135 1022 LEN=1314; translated
MTTNTKSTIFALACVALASSSEGF SVSENSSSSRRQAIGSILGGGA AVVASTLLPQKSVA
VETTDIDDFLRTGGVSMMPMGVSGQAGKSKPETGVLLREGTEISRDSKSGNVLA EILVNEK
GSGEKMAVVT SFQSPWSLATGAVYDVECRDTKTGDGAFLAVTPGLNGASLADVKDQFLIK
SLFGPRGRFSFYGQPTDVKVKKSSLSGDG SYKVL DVSFSTLSQATQTEVPRRSRIVATLP
KGSDQAVMLVGSASASRWSKGADKTVGA AVDSFRATAAPQSNLKMRAVSKERNAL

>comp13221_c0_seq1; 287 118 774 LEN=815; translated
MAPDADKLRQRRSQVVAGDLSVNVSEPETVDRVVTLKGLSGDEICIDGIVYDISAFQHPG
GDSIKIFGGNDVTLQYKMIHPYHTEKHLEKMKAVGKVPDYAPEYKWDTPFEREIKKEVFK
IVRRGKEFGTYGYFFRAFVYLA VFFYLQYLWMQKSSYTLGIIYGISMGLVGLNVQHDANH
GAASKRVVNDILGLGADLIGSKWLWMEKHWTVSALI

>comp13221_c0_seq2; 474 118 1512 LEN=1637; translated
MAPDADKLRQRRSQVVAGDLSVNVSEPETVDRVVTLKGLSGDEICIDGIVYDISAFQHPG
GDSIKIFGGNDVTLQYKMIHPYHTEKHLEKMKAVGKVPDYAPEYKWDTPFEREIKKEVFK
IVRRGKEFGTYGYFFRAFVYLA VFFYLQYLWMQKSSYTLGIIYGISMGLVGLNVQHDANH
GAASKRVVNDILGLGADLIGSKWLWMEKHWTTHAYTNHREKDPDGLAAEPFLLFNDYD
LSNPKRAGYHAYQAFYLVLLCGYWLSAVIDVPVIWNLKDRGTLDVGI RLDNDWIASQRK
YAI SLRIFVYMCNIVTPLW NDFSWTTLSHINVMGISGSLTLG LFTLSHNFENADRDP TK
ENRETGEPVCWFKAQVETSSTYGGTISGWL TGGLNFQVEHHLFPRMSSAWYPYIAPKVRE
ICKKHGVR YAYYPWVWQNMISTLKYTHEVGTGAHWLDNPFK GEM

>comp13222_c0_seq1; 113 1 1222 LEN=1376; translated
XIPRLSLGFGKSDANRADSCETPMDADGCAAPPDGEPSPTPASYRLLGARIHGDHAEVLE
FQSPTAGVGFRLMRPNDDLVEVCFSDANPVDLQKLRGRRSDAGRPFDPAPPVPGCGGSGR
VAAVGTAVPNEDGRWAIIGTPVCFADPTRPGSYATHLAVDANCVAPIRSSAPGGDALQAT
MRSCASIGVAGLTAYESLQKCGLSGAGRYGSLLVVGAAGGVGSWTLVLARALNPSLEIVA
TASTPDQHEWCTALGANRVIRHDEIGAKLGGGREGSVDSIVCLAEPAPGLFGALSEVIRP
YGSICLVSAGESIKSLDLGFCFFKCVVDKTTETVVFSSIRTGYRKIVPAEELGFVAXPGDER
EDKRAPVPDAESGRVSESEFRDALSQKGVLEALSRTGKRGNFVMRID

>comp13223_c0_seq2; 506 21 1190 LEN=1298; translated
MVEFLFHSFAFLGSLINCNDVSAFVLQPLAPTGTADVAGSGSTELFLAKKQKKKPKKVAAS
SGGFVKVDASVKPKPDNDYAVFPALETKVRETLVPTPPSMVEEIESTGSIPNEIYHRLDQ
IYGFDPFNYETALVEEVSDDDGDDGGGSFSLLEDLMAAPESPSATEKKKGSTTDALDFNELI
AAATGGPVEASASAMDNDVDSETTAANAEMKNAISSLPPEKINVLHLDPLVLSIDDF
TEEECDRYVEMSLAPVTDEGSQKTMDSEFKTRSKTVGKDKNAKSQRTSTTWFFHYYKNVPEL
MSKASRLVGLDITDRWEEPQTVRYKRNEKFTWHLDALAPDQSTAEEKGGQRLATLLVYLKD
LESGGATIFRDLTPATGETDDNASGFLKV

>comp13223_c0_seq3; 494 21 1415 LEN=1522; translated
MVEFLFHSFAFLGSLINCNDVSAFVLQPLAPTGTADVAGSGSTELFLAKKQKKKPKKVAAS
SGGFVKVDASVKPKPDNDYAVFPALETKVRETLVPTPPSMVEEIESTGSIPNEIYHRLDQ
IYGFDPFNYETALVEEVSDDDGDDGGGSFSLLEDLMAAPESPSATEKKKGSTTDALDFNELI
AAATGGPVEASASAMDNDVDSETTAANAEMKNAISSLPPEKINVLHLDPLVLSIDDF
TEEECDRYVEMSLAPVTDEGSQKTMDSEFKTRSKTVGKDKNAKSQRTSTTWFFHYYKNVPEL
MSKASRLVGLDITDRWEEPQTVRYKRNEKFTWHLDALAPDQSTAEEKGGQRLATLLVYLKD
LESGGATIFRDLTPATGETDDNASGFLKVQPKKGSALMFFPAAGGIPGAPFDIRTLHCGE
VVPGASETDKWLWLRATPYTPTAPPGNLHHEALDRVKEYCQ

>comp13223_c0_seq4; 166 1 710 LEN=817; translated
XLTTTTSVQFYQKIKECDRYVEMSLAPVTDEGSQKTMDSEFKTRSKTVGKDKNAKSQRTST
TWFFHYYKNVPELMSKASRLVGLDITDRWEEPQTVRYKRNEKFTWHLDALAPDQSTAEEKG
QRLATLLVYLKDLLESGGATIFRDLTPATGETDDNASGFLKVQPKKGSALMFFPAAGGIPG
APFDIRTLHCGEVVPGASETDKWLWLRATPYTPTAPPGNLHHEALDRVKEYCQ

>comp13224_c0_seq1; 221 69 1085 LEN=3248; translated
MPVRDEDVAQLVCMGFPEEQARNALQTTAGNLEMAVNLLLSGDAIGSAGNENGALLSPTA
IPAVPVATESPAAVVIKSSSQYSHGPDGRSACTCIALTAADILASSCTAKSRDSDEQTS
ITTSFLNRAIEEGVSRYRILRQRCDAGGSSNSSIEHLSAEVLLKDEQGAAPGKHLFGV
RVVAIGGGLGVRQGALS RDPGHPLGLPSVLNGLVGDVREQRKREWNQTGNTNGSANGRPS
PMIYILMTKSPETVLLCLPCDDCKKVNKGRYWLVDVSHRPHLQRAEHAYAKPHDTMDS
LLQSLRCIFPLTDLGPDIPPMADMYNMF DLYALEVRA

>comp13226_c0_seq1; 100 272 448 LEN=1175; translated
MDPLAGIGSGALPAPDASDDKDVFVDTTLRYNLQHVDTVRSVMNIASGCVAGICGLTGW

>comp13226_c0_seq2; 91 104 552 LEN=760; translated
MDPLAGIGSGALPAPDASDDKDVFDXDHAPVQPAARGYGSIGNEHSLRLCCGNLWFNMA
GTGFIFAAPSRGPNLYLGHKDEF SATVLYTAIGMVVCDGKRITTKWPVVHAVLDSVLWVGL
PILARKETIWFNGSSHRIHGSQYLQHNGK

>comp13226_c0_seq3; 91 272 720 LEN=928; translated
MDPLAGIGSGALPAPDASDDKDVFVDTTLRYNLQHVDTVRSVMNIASGCVAGICGLTGW
GTGFIFAAPSRGPNLYLGHKDEF SATVLYTAIGMVVCDGKRITTKWPVVHAVLDSVLWVGL
PILARKETIWFNGSSHRIHGSQYLQHNGK

>comp13226_c0_seq4; 100 104 280 LEN=1007; translated
MDPLAGIGSGALPAPDASDDKDVFVDTTLRYNLQHVDTVRSVMNIASGCVAGICGLTGW

>comp13227_c0_seq1; 443 12 611 LEN=822; translated
MKTAVFCSLIASAAAFSQDSSRREALAGIAAGAALIPAAANAAAGESPRFSVFGVLGD
GTSYSEGAAYGSDQSSATYSPYSVYGEAGENS LYKAGASEYVAKKAVLAETSKRLGKLE
GYSAKKEWFNQEEEMRRYMYETRG AISYLATTKEQKAAAKFYKAIEDTSLAATQKNEAA
CTAAAQSAVSTFADLTSIL

>comp13228_c0_seq1; 606 1 1937 LEN=2241; translated
XKSDREIVQWQYSLSIMSGVAGPKVLHVAGYSSCGFYTRITKCLSSMSILFPNRLRVVEH
EFEDRSKFREWLVDGFRSNFMETDGKGHATSPLVWISKTQSEGGPDPADIEKYLGGHDA
TLDWCREFMQPAEMRNVAEPVMVDDGHSADHG YDYDLIVIGGGSGMAAAKEAALHGAK
VALCDFVKPSPQGTWGLGGTCVNVGCI PKKLFHIGATLRESVHADANFFGISSVGA KPD
DMMGQLPAIETETHWDVAKSNIQNYIRGLNFKYRVRLREKSVNYLNKLATFKDAHTVEVK

DKKGVVSEITASRFLVAVGGRPTPLDCEGGDLAISSDDVFFLNKDPGKTL CVGASYISLE
CAGFLAGLGKDVTCAVRSILLRGFDRECSERIGNYMKAHGVNFKMQVTPKKLEKVDGDR I
KVTFSDGTDDVYDVTVAAVGRTADTAKLGLEAVNVETNPKNRKIVTKLEQSSCPNIYAVG
DVMDGCPPELTPVAIQAGVILARRLFAGSKEAMDYINVCTTVFTPIEYSCVGLSEEDAIEK
FGEDRIEVFHREFVPLEWLSQARHDSNSFTKIVVDKQDEERVVGIHYVGP NAGEVMQGF
GVSMKNRLTYSQLVETVGIHPTSAAEIVTLSITKSSGEDAAAGGC

>comp13229_c0_seq1; 696 447 3044 LEN=3352; translated
MTKSIFLPLWSFAVLNLARLAWAVHSPSPSSLLSKAIVGGSTVIRSPPEASTLFGVST
KNVDSQDELIYVEKRNGSKEPLERIKILERLKRMAATFPAEDEKTLMTKLDLES LAESIL
RGTYPGVSSYEIDILAAETAASMATQHVLARLARILVSLNHKYTPPTFS DAVEAIDEE
IQYIDPSIVDLVRRRGDEISQRIRNERDLEFSYFGFKTLERSYLLKTNDGKFLERPQYLL
MRVALGIHCTERISGKVTPEEEDLRLQAAFETYDYMSEGYFTHASPTLFHSGTTHPQLSS
CFLVQMSDDDISIGIYDTLKRCAVISKSAGGIGLSVHNIRARGSPIKGTGRGTSNGLVPM LR
VYDVTARYVDQGGGKRP GAFAYIEPWHSDFDVLNLLKKNHGKKEEQ RARDLFYGLWIPDL
FMKRVENDENWSLMCPDQCPGLPECSGKEFEELYEKYEKEGKYVRQMPAREVWSAILE SQ
IETGTPYMLYKDAANEKSNQKNIGTIQCSNLCTEIIQYTDEEEVAVCNLASICLPKYVVS
DRGSYGSVDPDSDGRAYFDHEALHRTTKIVTRNLNRIIDINSYPIPGAKKSNRRHRPIGLG
VSGLADAFIRLGLPFTSDQAKELNEAIFETIYHAALEASVELAAEDGHYDTFPGSPASRG
EFQFDLWNTPADDLPSKRAKKGKPYLGKYAEPYQSEGYDWGKLRSSMMEHGLRNSLLLAP
MPTASTSQILGVNECFEPFSSNLYLRRVKAGEFIMANPHLLQDLTDRGLWTPEVRNQLMR
DGGSVANIDVIPS DLKEVYKTVWEIKMKEIIDMAADR GKFDQSQSLNLFIANPNMDKLT
AMHFYAWKKGLKVRTTLEIERSAND

>comp13229_c0_seq3; 693 447 3137 LEN=3261; translated
MTKSIFLPLWSFAVLNLARLAWAVHSPSPSSLLSKAIVGGSTVIRSPPEASTLFGVST
KNVDSQDELIYVEKRNGSKEPLERIKILERLKRMAATFPAEDEKTLMTKLDLES LAESIL
RGTYPGVSSYEIDILAAETAASMATQHVLARLARILVSLNHKYTPPTFS DAVEAIDEE
IQYIDPSIVDLVRRRGDEISQRIRNERDLEFSYFGFKTLERSYLLKTNDGKFLERPQYLL
MRVALGIHCTERISGKVTPEEEDLRLQAAFETYDYMSEGYFTHASPTLFHSGTTHPQLSS
CFLVQMSDDDISIGIYDTLKRCAVISKSAGGIGLSVHNIRARGSPIKGTGRGTSNGLVPM LR
VYDVTARYVDQGGGKRP GAFAYIEPWHSDFDVLNLLKKNHGKKEEQ RARDLFYGLWIPDL
FMKRVENDENWSLMCPDQCPGLPECSGKEFEELYEKYEKEGKYVRQMPAREVWSAILE SQ
IETGTPYMLYKDAANEKSNQKNIGTIQCSNLCTEIIQYTDEEEVAVCNLASICLPKYVVS
DRGSYGSVDPDSDGRAYFDHEALHRTTKIVTRNLNRIIDINSYPIPGAKKSNRRHRPIGLG
VSGLADAFIRLGLPFTSDQAKELNEAIFETIYHAALEASVELAAEDGHYDTFPGSPASRG
EFQFDLWNTPADDLPSKRAKKGKPYLGKYAEPYQSEGYDWGKLRSSMMEHGLRNSLLLAP
MPTASTSQILGVNECFEPFSSNLYLRRVKAGEFIMANPHLLQDLTDRGLWTPEVRNQLMR
DGGSVANIDVIPS DLKEVYKTVWEIKMKEIIDMAADR GKFDQSQSLNLFIANPNMDKLT
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>comp13230_c0_seq1; 303 82 1104 LEN=1299; translated
MINILTFCLIPIGFAFIDQCHFRPKGRTSQSKCRISSSRRFLTPLAEFDESISFFSES
EKYRCCIDDKGFFSARHGSSDGS DRYELGLVEEEELPDLCKFIITAFGAEAIQLASDMNS
FERMLLNPAAEFLNGYSGLVAFAEVFSGTKQRLADRFOENPSLVDISAPDLKGLSREEQI
RKAERDSLVLILGKPSNDASRSIEVIASIELRLQPCDAKIPFSIPWLD RVERRIGSLIGL
GNNGNGAGTNDMQPYLSNLCVDEKFRGQKIGRGLVRCVENIAKNSWGYNRMYLHVDEDNP
AALNLYKSEGYSVDVGHWRWPFWSGGASEIGYVYKSLSSTP

>comp13231_c0_seq1; 343 41 1005 LEN=1005; translated
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SENIASATSHPGNEEDLALPRIFHMDLDFQKGRIDFILEESIVVQPKEFLKLEDLAILPD
NFSRNTTDRHLHQS IWLASESHSHAQTSKFFSKDFGPTDLTSFDRETFS SSSLVRLVINGAT
GEILEEASLPEYVYWD MVFDWESTECIGERPFAGLHALSIVEPSRENKFYGLYDKLMFAA
YQAALYQDGS SPTDFSESSTRILLFGLNLDLKGEDKDNNTASYLTSFRYDTSKLSLNSNQ
KDSRYVFKHMEFLDIRICLTIX

>comp13231_c0_seq2; 1415 41 4228 LEN=4376; translated
MKLQVVLALALFETAIADES PSSLLEQVGKRISLPPFPNEHRILGIGGLGYDSVFNSWLAS
SENIASATSHPGNEEDLALPRIFHMDLDFQKGRIDFILEESIVVQPKEFLKLEDLAILPD
NFSRNTTDRHLHQS IWLASESHSHAQTSKFFSKDFGPTDLTSFDRETFS SSSLVRLVINGAT
GEILEEASLPEYVYWD MVFDWESTECIGERPFAGLHALSIVEPSRENKFYGLYDKLMFAA
YQAALYQDGS SPTDFSESSTRILLFGLNLDLKGEDKDNNTASYLTSFRYDTSKLSLNSNQ
KDS SHFNALFAILALDDRSLVAECEDLTGVGKAGQKIVNRIYYVEIDFDESVDHCHSLL
YCDVDAPSKRLVWEQEGDSQLDGMSWGPI LDNGRRTVALSFENDDKVG VHFELYAIDEET

LTNGNQIGIVYDPVDYRDILMRNRI IAVSVASGLLVLI F I L Q F V G I R Y L Q N R K K S K N D F E
VIDADNKEKTTRTSLTFLFANYALATAMMNSFVVGGLTFGYSGMVLMLRKEGVYAEFCSCG
SFCAMQKEQLALISTLGFSTAVGSRLFVGLFMDVQGPKLTAICSTICLAGFSILAASQS
ESLSSSTFLPAWILLSLGGSLHITGFHFTSLFPGDGKKKASAMISAAFAGASSAVFPIMQI
FNQFLGVTMVSMRFRYTFVLVSLIVINNFLVQPSKVKKGEDFKPSFNFVKKTWKRDFTGQ
RPTLSSIKRDVVKFNFFGEAMIFSIILLFFLTHYLSTSSQLMYEKGDIPFTSRPNDWSDFM
IARMAGIFNAIGFXLVAYSQVCVDITAVVSVLNFNPLHLEFDRDGNSSIEKLEIQILGFAM
LSFGRLMLFSCHHAYLIDVFGITSFGLTLNGISSFIAASVGLCSYPLQLFALQSSYIAIAFL
PIGVLLLLLSLFPFLMWKEHKKSKELSRGTSGDFETEEIDRCDKNTVMNWAETVSVDPNT
FRYPETVDEVIALVTSHKKIRCAGALHSCAPLIKSEGIIMSLTKLEKIIHIDPQNMTRVC
QAGARIHDICTAIAPYNMAMGTIGTIDWQTI SGAVMTGTHGGALSIPSMHAFINSYTLVK
PDGSMVTITKEKDPTLFSAMAPSMGVFGCVVELEVQCVPLEILEAKLKMVEFADLEDTFE
DYMQRHKYVVRVVYPSIGKATVFTGNPVASRADAIKRGAIDSPGYANFRNKKEKQMLEQY
LELCNVGDYDKADEVLEGLVDSQLGRMHYVYGQYNHVLCKERNNGIPHADIEFNFDMEKN
KEVLRVTVKEYSDKKRMPYNYFEIRTTKRDDAMLSCCQGRDAMWIDFQAKADVSREFFGEM
EEILKPIGFRKHAKGMDNTDPEYVLRQFSQVRKFLSLMTEIDPEGKFRNTQSEGFQMM
DSAIANENREEVVEC

>comp13232_c0_seq1; 599 92 2251 LEN=2438; translated
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RSFKRRDHAPEDYRGFSTSIADMWRNPDIYERIDCCSIACFGCIQADRNRYLVTGKPPGL
CRRICVHIFVPICILGLALFVAFNVPDPWLNEMLCYGFLLIAFVLYFFSQCDKGAWKRRHV
RRNLLWAKHQKLASGRFQQRMSRGSDDTDDYSYEGEEGDDEEYLRGQTYSDVKSSHASC
CYAVDRPHGFQYGPDEKITCCTKLFDCFTNLCCAKLCCRYVCCGYCAVAQEAREIETLL
RPGMLSIDYITMQPMMEYYPKIEARCSIGRPTSWWYTRLSTFSRTAVNRSIVMLVLLLG
WLLSRRLNHSFGIKNFVILFLTLLQSFVLLAVVYWKHTRDVSIDALIKFFAAGFCLSTT
LAIFFELVFGMLVRLTMAIVMALSGIELVEESGYSLSKAESLSTMTAAQEVNYSQVGYRE
YLKAYSNDHPVVYTLVLFVLSFLLAAMIEETCKYFGYRMIDHDPDFYTQSKIKEAAKCYES
KDGDETSLPSFSHQDRSFQSRGAAVTVSMVAVGAGFACCENLVYIFIIYGKANYTSEIFVL
LARSLEFPIHPIAALQSIGVCKRDLENDGRRLGKIIILPGIIFHGAFDFMLNWIYYIGSRK
GNYVDEDDGIQTENGSDKISNVVSILII F SGLLYYFRESRKQRKRLASLDGESENSNWA

>comp13233_c0_seq1; 196 1 890 LEN=1686; translated
XGSKRTDDVIELTNDDEKGD SILEKSQWTQALKTFRTRKRDPRNLLRPRSRLFGTKAGTHD
DSISTGIEQHVRPDIAFILEHYRIHRREKEGTNGTSREYLLLPDVYVPQVIQDPSLPAA
ALFAHSNIFLGARSFHGYDMADVCLPLVRAALEESESEMVHGGQQPQAVASLTGLSEWVATC
LDNDRYGESQTLMLRAGHDVASENEKKGNSVLSLEAVRAIATGVPRPGHSSVVGQGTFRDGG
EAWKELAKEFAGLGLSEEVNLYEKQGGNLVIGIEHLADRSPDNMKNAGGAMARLFFL

>comp13233_c0_seq2; 196 1 890 LEN=1541; translated
XGSKRTDDVIELTNDDEKGD SILEKSQWTQALKTFRTRKRDPRNLLRPRSRLFGTKAGTHD
DSISTGIEQHVRPDIAFILEHYRIHRREKEGTNGTSREYLLLPDVYVPQVIQDPSLPAA
ALFAHSNIFLGARSFHGYDMADVCLPLVRAALEESESEMVHGGQQPQAVASLTGLSEWVATC
LDNDRYGESQTLMLRAGHDVASENEKKGNSVLSLEAVRAIATGVPRPGHSSVVGQGTFRDGG
EAWKELAKEFAGLGLSEEVNLYEKQGGNLVIGIEHLADRSPDNMKNAGGAMARLFFL

>comp13234_c0_seq1; 333 212 1480 LEN=1684; translated
MSTIRLYCGRDREQMLRNLERALTSDEPVSSVEVRKTLLEDEVIDAIINLVWKGVSVEKVY
LDDCGAHLNKPAVRMSEALGNCKHVHLSESTFLSKFFLESLLVSATKMRSLRIQDSSLSE
QVEALTKGLRSNNTLRTLDLRSRVENFSLAKGLRGSCAKTLKLRISIGLQNHVHVEFLLS
SLESCPSLESLLDFNYLQDTSPIGRLLRNNCKLKLQIGYQNLWQEYRMDISAIKAL
TVNKRKLTLDLPRNELDDSCALGFGTALAKNCTLENLDIRENNITDFGVTVLAETAMTSK
SLRKLKLGSNPFGTIGSLALLEAVSKNYNLF EIDGNSKVNDEDINRHMNYHTILNRGGRK
LLEEPPLALWPCVIGNSCQDLHENVDVDAEATIAKGNKYDINVSADLI F YVLRQNPRI F
FH

>comp13235_c0_seq1; 428 1 1526 LEN=1702; translated
VWYNCIENEELTASSDTRSVVASAPFSPLAETYLGVLEHIGLFISSQSKSLQDVSASKGE
NGAEATTDRVSDEQSILHFQYNYTKQTNVAKSSWDDNSTDKLSPVVSPPMEALASTNFNS
SFPNYTESIQIGERNVSLADRTLDFPSKTKQELFGSNERTNYSIGIQRSVSDAEGSRELN
SQSFQETKSTNATTTTNSVGNFNPQYYSNSGTTESPNSISGSNIDGGREERNNSNATPE
TAASLESESYSDLKTNLPYENYDSQTSSFDWSSQDTNSTATTGYPTENKFPQALSDTMSE
LSYGTSDSQPYSLDQSDQTNFPAFGSENKYSHPFSVYRTPTSQTSSPNQSSKGWADAAEP
NFSNGNLDQSYSDDQTPAQEKTIIDTYGFPNENTYSQPDSLNTQNPSSQONQDLVTAYAE
SLLSDQRGDPRREADFQRQPQNTGASSAATTYAEYIQQRQSESNDELGLPPSDITSGDD

YNTGVQSGTPASPGAGGSTFDYGGTFEI

>comp13235_c0_seq2; 798 210 3221 LEN=3397; translated
MSVLRLLSRLWLFYRSTPMIMIAFSSISISAFSFRFPKTNMQREGRRNNVGMGYRIR
QSGAPSSKLSAPRISHRSFQHVSLLPFSSALYSARGPFKEKTKCRDMGSLSDWARRCEVV
LADGIELAEDALGDWSLRSTKFI EQGNAIITVPAQVIFTSDITGDSFLPYYSEIDMQNVC
AWIETELEMGSQSNQDYLPEYTLVYKLIQEVYLDNSNRWYEWKSLPSEFSTGLYLDEVE
RNYVERMTGDFLRIQSLQFQACLELFEKLLSTQGTNGGKPLIPTDFHQWLVLGLQKSNNEE
LSFCDLVKWAYTIVFTRSWRSPDRKDAQIVPLGDLANHDSQFNLKPGFRKMDGAFQFFV
TSDIDAVGPAPPLYLSYGLTYAPARYLVIFGFCDVTAGYIDANLDFLQONSDSNWATTLEP
SQLVISTTNGALSEEVWVAFLYNFLQKEEPEVLDQIQKTF AEDGKEQGDRLLLEKLLDWE
LEVGMRIQSHYQRLLDVEFAPISVTENDLMKHPNLSMVVNYNLFIRETYLGVLEHIGLFI
SQSKSLQDVSASKGENGAEATDRVSEQSILHFQYNYTKQTNVAKSSWDDNSTDKLSPV
VSPMEALASTNFNSSFPNYTESIQIGERNVSLADRTLDFPSKTKQELFGSNERTNYSIG
IQRVSDAEGSRELNSQS FQETKSTNATTTTTFNFSVGNFNPQYYSNSGTTESPNSISGSNI
DGGREERNNSNATPETAASLESESYSDLKTNLPYENYDSQTSSFDWSSQDTNSTATTGYP
TENKFPQALSDTMSELSYGTSDSQPYSLDQSDQTNFPAPFGSENKYSHPFVSVYRTPTSQTS
SPNQSSKGWADAAEPNFSNGNLDSQSYSSDQTMPAQEKTIDTYGFPNENTYSQPDSLNTQ
NPSQQNQDLVTAYAESLLSDQRGDPRREADFQRQPQNTGASSAATTYA EYIQQRQSESN
DELGLPPSDITSGDDYNTGVQSGTPASPGAGGSTFDYGGTFEI

>comp13236_c0_seq1; 111 1 342 LEN=1573; translated
KKTSCSQAKSSATLAATAAGATSNVTVPAAGIWGSWFGFTTSTSVSWLSLHPMAIPGLAC
YAAITVGVPAIMYAKASKKWKETSQRLCDAFWDSAAENPDVFAECLTHWSDKE

>comp13236_c0_seq2; 434 6 1223 LEN=2454; translated
MDSKTTRDNEEGQDSEDI LENTSDFSLIDSFQEV RMTTSKKELSPKFVKGNSRASNGTET
MTMTAKGTESCQAEVIPELESPDLQVGDH VYQWRSLCGVPYMFQHHGIVMDIIKDEDGNP
TRLTIADFSNVETKPSQKSKTKVDTTKTD AKRFDNSEIVIEPEPEIGIEHSSQONEAE
EETANTNDGRSTKSSSRRLSLEQEGIMRTYTD TDKWHKVHYQSGWWRQLCRSGTATKAK
SDPVGLVLRVNFIMQYPEQLPDYHVVHANCECVAFWCKTGRWSTLQASSFLELTAAGQA
KSSATLAATAAGATSNVTVPAAGIWGSWFGFTTSTSVSWLSLHPMAIPGLAC YAAITVGV
PAIMYAKASKKWKETSQRLCDAFWDSAAENPDVFAECLTHWSDKE

>comp13236_c0_seq3; 111 1 342 LEN=1456; translated
KKTSCSQAKSSATLAATAAGATSNVTVPAAGIWGSWFGFTTSTSVSWLSLHPMAIPGLAC
YAAITVGVPAIMYAKASKKWKETSQRLCDAFWDSAAENPDVFAECLTHWSDKE

>comp13236_c0_seq4; 434 6 1223 LEN=2337; translated
MDSKTTRDNEEGQDSEDI LENTSDFSLIDSFQEV RMTTSKKELSPKFVKGNSRASNGTET
MTMTAKGTESCQAEVIPELESPDLQVGDH VYQWRSLCGVPYMFQHHGIVMDIIKDEDGNP
TRLTIADFSNVETKPSQKSKTKVDTTKTD AKRFDNSEIVIEPEPEIGIEHSSQONEAE
EETANTNDGRSTKSSSRRLSLEQEGIMRTYTD TDKWHKVHYQSGWWRQLCRSGTATKAK
SDPVGLVLRVNFIMQYPEQLPDYHVVHANCECVAFWCKTGRWSTLQASSFLELTAAGQA
KSSATLAATAAGATSNVTVPAAGIWGSWFGFTTSTSVSWLSLHPMAIPGLAC YAAITVGV
PAIMYAKASKKWKETSQRLCDAFWDSAAENPDVFAECLTHWSDKE

>comp13237_c0_seq1; 512 353 1399 LEN=1542; translated
MEDEQRCMADLPPTRELIGLKL PFGAWEPDTLITD TYGNP IFSVLDVQHQA MGAFAEAI FG
DENGHKLCYVKRRLITK PALDGWDFCTYAPNFPDQPKYKERDMYGKSVY PFSFLSIRPMK
CRYAYS VHNEDEM ERVDTLLEAMHGWLGTMTVCCTPMVRF GKWQLDFHRPGAGDPEINIDQ
SKNLLEVERGNDLLAALCIA YAFDKALCQPMVTIVGYAEKEHVDDDDDD SLEDFDPAVVA
SSSKHLVSQYRSLNSGGYAKDGSIRDLNKGDIDGYEEY PDDDEDGDGYDENGEYIGY
DNNGDYDGE GGEYNEYGDYNEEYDDDAEDES VDSADESYEEYIKRRR

>comp13237_c0_seq2; 507 153 1178 LEN=1321; translated
MADLPPTRELIGLKL PFGAWEPDTLITD TYGNP IFSVLDVQHQA MGAFAEAI FG DENGHKL
CYVKRRLITK PALDGWDFCTYAPNFPDQPKYKERDMYGKSVY PFSFLSIRPMKCRYAYS V
HNEDEM ERVDTLLEAMHGWLGTMTVCCTPMVRF GKWQLDFHRPGAGDPEINIDQSKNLLE V
ERGNDLLAALCIA YAFDKALCQPMVTIVGYAEKEHVDDDDDD SLEDFDPAVVA SSSKHLV
SQYRSLNSGGYAKDGSIRDLNKGDIDGYEEY PDDDEDGDGYDENGEYIGYDNNGDYD
GEGGEYNEYGDYNEEYDDDAEDES VDSADESYEEYIKRRR

>comp13238_c0_seq1; 247 163 867 LEN=1455; translated
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TSGIFNGGINYEGNSLNR LQQPERKKSSQIEILHRLRGGDTP PCKVGLLIEILDICGTAV
FAFSGALKAGRKGMDI IGMIIASITSMGGGTLRDVL MVGSHHEHVVFWMKTPLYLEISL
LTALLTFYSWPVIEKRFLDADS AAPICTAGRCFIAPSPSATITENFDRASRLF

>comp13238_c0_seq2; 286 163 1119 LEN=1305; translated
MKITTSVAGLTISTLSSSIGIPLVFLLSCSVVDAGSPYPSSTQIHSFDATRRCCKIIRKN
TSGIFNGGINYEGNSLNRLLQQPERKKSSQIEILHRLRGGDTPPCKVGLLIEILDICGTAV
FAFSGALKAGRKGMDIIGMMIIASITSMGGGTLRDVLVMSHEEHVVFWMKTPLYLEISL
LTALLTFYSWPVIEKRFGLDADSAAPICTADALGLAAFCIVGVESAACKKLAPTLWIVSG
LMTATFGGIIRDVICGEKPRVMYPHRTLYALGPTLALTYTILNHLKTKQSWPLNSSSIT
LVSFVAVFLVRIASFNRPW

>comp13239_c0_seq1; 388 98 1267 LEN=1754; translated
MSPIIIQENNLKTRFTTKLTPSRKNNLGIILLNNPKALHALTRDMVDRIDDVLEWKNDP
SLIAILVKSSSKGIKRAAFCAGGDVKAVYIECLDYQKRGKGTRSSLPEDFFRYEYKVN
EIASCIATTPIIISLWDGLVMGGVGISIHGKYRVATEKTIIFSMPECRIGFFPDVGSTWWM
TRLLKQRAIANYLALGTQQMTPADLIYTGLATHYIPSNRLEEFHEHELAEATKRNNDEDV
AGILESFHQLIQIDHCNIATNRKTIETTFNGETLEEIFRNLKRSNSEFARSALSILEKLS
PTSMKVTMEGLKRGARCISIEECLQMEFRMAKACIRPGCDFHEGIRSVLVKDNAPAWN
ASIEEVTDMNVQEFFRPIENEWTSTIHRTL

>comp13240_c0_seq1; 356 114 1340 LEN=2374; translated
MSTDAYGRPRSRSRERETPSAAIPQQSMYPGGSGLPPVGLYGGMSAPRAIPSLSHLPA
LSNAHLAAQEKINRELFVGNTPPGTSEMLLLQFLNGAMRRVKLCGEQETPILNCRVNSKF
AFVELVSAEMANKALNMNGIPFLGAVLKVSRPSKYAGPHVPARTWQQLTGQALPAGTVLD
AEQEKINRELFVGNTPPEMTERMLREFLGNAMQVGLNVMPGNPITSCRVSQKFAFVELR
SPEEAANALNLNIPFMGAQLRVGRPSKWSGPPDSDHGNWEDVLAKYMSGELQAGNTAPGQ
GAAAMNSNVKATRVVVELKNMLTKEDLSVEEYNELVEDTEQECKQYQQLLVYIPKKGEP
GATKVFLEYASTEDASKAIAKSLEGRTFDQQRVEATFFDETKFMNKTFD

>comp13240_c0_seq2; 356 114 1340 LEN=2444; translated
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LSNAHLAAQEKINRELFVGNTPPGTSEMLLLQFLNGAMRRVKLCGEQETPILNCRVNSKF
AFVELVSAEMANKALNMNGIPFLGAVLKVSRPSKYAGPHVPARTWQQLTGQALPAGTVLD
AEQEKINRELFVGNTPPEMTERMLREFLGNAMQVGLNVMPGNPITSCRVSQKFAFVELR
SPEEAANALNLNIPFMGAQLRVGRPSKWSGPPDSDHGNWEDVLAKYMSGELQAGNTAPGQ
GAAAMNSNVKATRVVVELKNMLTKEDLSVEEYNELVEDTEQECKQYQQLLVYIPKKGEP
GATKVFLEYASTEDASKAIAKSLEGRTFDQQRVEATFFDETKFMNKTFD

>comp13241_c0_seq1; 601 551 3001 LEN=3128; translated
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TFLLVQCQKWAECSSSTDTTGVYMEMAQSVLDVYQKTLIQEGANETQQQMSSDSGNILSKL
YTTVFEGWCRLIGKVPQAMVIAEALLQDMENLAHDERRRQEEGPVENNWGGSKNSSWFHR
RRGFIGPNTLTYSNIVGISQSKRHNMARKADAMIDRMKRNGVEPDVVVYTSVLNCWAKA
TSRKEREMASRRALDILQVMEDSYTKEKNYLLKPSLITYTTAIIKAIGYSLDFRAPDLAES
VLKRMYNLTENGLIHVPPNVATYNVINALSTSGSNRKKGAYARKAEALLVEMIRSRM
DGETSLEPSVSVWSVLRAYSLSGMPDCGEQAQRIVDMLEEWYESGNTNVRPNVVCYTTV
MSAWARGKAPGKVALQKANEILSKLEKLYEETLDESFRPNKVITYITAMDVYCRKCPDVAG
SMSQNLVDHMLELYAKDIGYDRPTRIVFNTLISAWRSQEPNAAENAEIFGWLESDES
IKPDEVTLCAVLNAWANNAVDGGAMRAQQIMDHTEKLTAEQRGFDRTIVPWNILIKAWGR
SKTEDSVQRAETILVNLENQYRSGESNVKPDITTYSSVINCCAYTGPTDGKTAFAFEVAV
RTFHKIKRSDDLNVNNVYGTFLFKAIGKLTSRGQKQEDMIKDLFLDCCQAGQVCNFVLGQ
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>comp13242_c0_seq1; 834 232 2754 LEN=3046; translated
MSRKEGKSGNGGKSAAPTNAWTRPLRTEPPGFTKSSAAPSQSSFVSPSVIVQNRKRLI
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DGITLIVPASKVEYLHAKDIASSLTSRNMNGASSGMMSKGAFATDTQISGNASGSKQEL
VAAGNAWTAGGNSGGYRNQPGMMKGTNSRAAALAGDSSGGNNQOGLAASAAMGAIGG
SIGVWDQFEANQDLINVKPSYNEENLYTTELDKSQIDSKQAAAERIAREIESKATTNIIHM
AEERGFVETDFDEEDRYSGVLT KD GKQRHAKIYSKQASSEEEESKSGSKPSKQAI STSVA
PKKIMNYAAAAAKADTTKDKMAPPGFSDNNAAVATSTTKDKDSKVEDKVEDSAKAIATPE
KNNLENATKQKNKS SKEEKANSKKTVEVKTEASESKSTKDEESPKDKPEPAGDKKEKDS
ETKGEKKEKDKVSSKLNANAKSFTFNPAAKTFTPSFGTPTPPAPSQHTGGDPGMQMYGG
GHPMQPPHYMPTGPMGQPGMMSMNPQYAGMRYASSYGMQHMMSQMHQGHVQAQATPS
ISSAPNSGNAPTPTTGGGSSGNANASEEDPARPSREGDEGSQSQTQSGSQQQPPQRSQQ
QQPDQPVQPQGPQQQQMPVQFQPNAYFTPGMAMPPRPGGYAQFVGGPQQIGGRPQV
YGIYPMQPGMPPNMQMRGPNGAPYYSATPNGHMPYPPSSHMGYPIMDDAGRGRGRNNN

GGRGGRGRSGRTGPRGGRGRSNYNNSNSNNGSKNTQQQYSQQSQQQPPQSSNDSSNKSD
>comp13243_c0_seq1; 300 203 886 LEN=1117; translated
MRAAF TLREAKKHEQEPFLEATLAAMAMHPERKRS LDGMALGLQQRNKKKIRAPNSLVFG
SSAAAQIQMARENTVLEDQKLQARQLEEARIQREREERRKRMEIEIQNKRTNSGEGGSNS
NLQKVFNKYWDMEFPNLGNMNPFRIVIDRKSAPQIAPTYFDVITTPMNLTYIRDKVKGGK
YLTYYQQFFADIDL MIDNALKFNQGEDN PYRIAAEDLKKKHAKIAKRVW
>comp13243_c0_seq2; 382 169 1221 LEN=1452; translated
MSEVAAPP GATASAAAAGNSKLNPD SGASSSGPSSAAAL SEDNLQKELKSALETLDNRKL
NPTYKKMLERNPLTRRAATIPKNK FYERIGSRLRERVEVY TREMQGKDPFDRI SQRKPLD
EAGMRAAF TLREAKKHEQEPFLEATLAAMAMHPERKRS LDGMALGLQQRNKKKIRAPNSL
VFGSSAAAQIQMARENTVLEDQKLQARQLEEARIQREREERRKRMEIEIQNKRTNSGEGG
SNSNLQKVFNKYWDMEFPNLGNMNPFRIVIDRKSAPQIAPTYFDVITTPMNLTYIRDKVK
GGKYLTYQQFFADIDL MIDNALKFNQGEDN PYRIAAEDLKKKHAKIAKRVW
>comp13244_c0_seq1; 551 1 1286 LEN=1415; translated
XTTSE RAGGTKDASGRGSGTFFREEEQSDCGDDDDDEVSIYGGTADGSPSKTPLPLLLERIS
RGYETSKRMNRSYREQMERQRETVRNLNLLLLSKEEELVRLRKTSGADKAALAVANDKID
QLAVLHRSALAKLARVKDEADSWKRRETEANRKL SFSEERRRKLQEKRLQEGVQALIASLGS
LNDFGNETDSEDDENENENENGASVRVRGETNDGGEP TTAGETKRACPGSTRTTNEEGLATE
RTTAERTAGGFRDGKCSSSSTPMGPRKADPSEEPAVEAAIANERHGS GADAIIMVSCDKR
IGSVTGRGTTPTTPQSATVATTALFGEANSTEGSSPRVLP SIDGDGEDTPSSPTVPKASN
RTVSMGTPMTVSI RTVT TAAAGSGGDCTVEASVPHTPPLPEHVGGYHSGKGGREDEGC SPL
ATPKLESR
>comp13244_c0_seq2; 352 1 846 LEN=846; translated
XTTSE RAGGTKDASGRGSGTFFREEEQSDCGDDDDDEVSIYGGTADGSPSKTPLPLLLERIS
RGYETSKRMNRSYREQMERQRETVRNLNLLLLSKEEELVRLRKTSGADKAALAVANDKID
QLAVLHRSALAKLARVKDEADSWKRRETEANRKL SFSEERRRKLQEKRLQEGVQALIASLGS
LNDFGNETDSEDDENENENENGASVRVRGETNDGGEP TTAGETKRACPGSTRTTNEEGLATE
RTTAERTTGGGRDCQRTPRVRCRCNYGVLRQKDRLCYRERX
>comp13245_c0_seq1; 311 164 775 LEN=1185; translated
MGCCNAKEQDVVQPGNENNVTPNKQKRSSSESSNGAPKKGGLFGSGKMF EKKS KKPSEP
APPPNSIPADGPQAPPPGWWGTPEVEEEDEYSADRSSGPRDINDIAGEHGYISGTRKDH
EISNAVKDKIKTLEKLGVKTKKKMDRKM LTPRIITDVKETWDKEGNITRYMTHYVEDPDG
RKYTKKETVHIAAGEPDPLAASE
>comp13246_c0_seq1; 201 71 928 LEN=1395; translated
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RII WISKSISARDEKAVANKVVLNGCYGPIDEQQMGHIQKQIKSTQVSLFQAITIRAAYL
KQKTMYRTASLRNLGSSVFNKYRVGHSVVDLSRSFDQPPMNVFRTILSEM KWSKNAIKKA
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>comp13247_c0_seq1; 540 56 2291 LEN=2442; translated
MKLSFRSISLQWLLSSIAATTRGEAFAPSFAFAARHEPAISQQRLHMAEEGSSGQIEPVYA
AKTISNFD RYKKVHAESIKDPAKYWGDLAKKELDWFSPFDENKILQGD LTKGDVRWFEGG
KLNAAYNALDRHNPDDLAI IWE GDEPDDIRKITFGEMLGKVS KIANALKAKGVKKG DVVT
IYMPMIPELAMTMLACARIGAVHSVVFAGFSAEALASRVKAANCGTVVTGDYGMRGGKKI
GLKAIVDNAMDLIEDKDLVKNVMVWERGFKEGVTTVEDEVEYEAREKDIRMDLLVADQRP
FCAPEPMDAEDNLFILYTS GSTGQPKVRR LFWQKEPKKRIYSLSNIPSHFEILIVLFLF
NDXGLVHTTGGYSLYAAQT VKN TFDLAPDDIFACVADCGWITGHTYV VYGPLFNGCTTFM
FESTPVYPDEGRYSWDMVHERHKITQFYTAPTAIRLLMKYGV EPTTKYDLSSLKVLG SVGEP
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EPSSGEI VEPDESGVEGLAIRQPWPGMARTCLGDHSRYLTVYLKPYEGYFTGDSVMR
DAEGNHFITGRVDDVINVS GHRIGTAEVESALVAHPAVAQA AVVGKPHDIK GQAICAFCM
LRNGFEESDDL IKELRLQVRTEVGGFCSPDMI VVTPSLPMTRSGKIMRRI LRKIVCDEKD
TLGDTSTLAEPAIVDVLIEKVESY
>comp13247_c0_seq2; 674 56 2179 LEN=2330; translated
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IYMPMIPELAMTMLACARIGAVHSVVFAGFSAEALASRVKAANCGTVVTGDYGMRGGKKI
GLKAIVDNAMDLIEDKDLVKNVMVWERGFKEGVTTVEDEVEYEAREKDIRMDLLVADQRP
FCAPEPMDAEDNLFILYTS GSTGQPKGLVHTTGGYSLYAAQT VKN TFDLAPDDIFACVAD

CGWITGHTYVYVYGLFNGCTTFMFESTPVYPDEGRYWDMVERHKITQFYTAPTAIRLLMK
YGVPTTKYDLSSLKVLGSGVEPINPEAWRWYYENVGKSECTVVDTYWQTETGGHIVTNL
PGITPMKPGSCTLPCYGIDTVVLEPSSGEIVEPDESGCVGLAIRQPWPGMARTCLGDH
SRYLTVYLKPYEGYFTGDSVMRDAEGNHFITGRVDDVINVSghRIGTAEVESALVAHPA
VAQAAVVGKPHDIKQAICAFCLMRNGFEESDDLKELRLQVRTEVGGFCSPDMIVVTPS
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>comp13248_c0_seq1; 394 186 1343 LEN=1548; translated
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FLLKGGRHIDGAHLYLNHAAIGRGIRNAMAKGVPRSEIFLTTKIWPSDFGYDRALSKVPT
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VSNFSRPQLEEILELEGVAPISNNQISWSPWVPSEWLETVAFCKEQNIATIGYSSLGGSL
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>comp13248_c0_seq2; 398 174 1331 LEN=1536; translated
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FLLKGGRHIDGAHLYLNHAAIGRGIRNAMAKGVPRSEIFLTTKIWPSDFGYDRALSKVPT
YLEELGLDYVDMMLMHFPVRMTMTLPSDCKAAGRNISECRQDTWRALSELRASGIVRVNG
VSNFSRPQLEEILELEGVAPISNNQISWSPWVPSEWLETVAFCKEQNIATIGYSSLGGSL
EHHKAQTVSTLIEAIEGHNRSAQVMLRWALQTGAAVIPGTGNPNYMEENLSIYGFEITD
GEMEAIESLRESDEAKKFIAMKPLE
>comp13249_c0_seq1; 211 68 809 LEN=1254; translated
MNKDNRDEGVGEDEGEFGAGDIGADVEDGVEDGNNGGDEDPQEPRTTLHSMELSSDGD
PAANRSIFSIHAADISSELRAKTRLTCLGCATVFAAGKPRAWWCTGTALAPLGTTRTC
VILLDRDPKTSHEYKSRKEFLFYACFFGMLAGIGLVMAGIFLVEVYGPWWSAIHSEKW
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KRFFED
>comp13250_c0_seq1; 339 252 1730 LEN=1757; translated
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FGDPADES AVKENFSTVYQLLEEMVDYGWPLTTEPNALKAMIRPPSIMSKISSAVFANT
VSDALPSGTISNMPWRAAGVYTYTQNEIYMDIVEEIDAIDAASGNIVQSDVSGKIRCQC
LSGIPDLLLFTDPKLIDDCSFHPCVRYGRYERDNVVSFVPPDGNFELMKYSISADRKS
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VEDVAVTIPFPKQLRTASFQVSTGSVVYDEAGKVAKWKLGLKGLADDPTQPRVQLVATL
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>comp13251_c0_seq2; 420 1 1050 LEN=1350; translated
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VGDGNQATGDASHGGKQNSQHNGNQOSELTPQLHNKVFGGIPPNIDKEGLKEIFEFF
GPVVDAIVMIDQVTNRSRFCGFVTFENGNGAQAIAERQPLSIQGRHVEVKLATPKAEQR
RMP SAAGPKHVGLRAGISGTTHGKYAGFAVAYGRSGWKAGYGTFAFGQSGWGVK
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>comp13253_c0_seq1; 437 95 1804 LEN=1885; translated
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NWEETALASVGSTKFAFWMATKRNVNLAAILASPFIALAPLSLVSDQAYKISWNYALWGI
EKAGPTWIKLTQWASTRQDLFSPEFCQHF SKLQDDTEGHSWEETKKVLKEQFGEKGM
EAL EINSTPIGSGCIAQVYQGRLEASVRYPKDTKVAIKVQHPGIWNKVCVDFYIFNKI
AKFL EDLPRNLQFLSLVDTVHQFRDIMIQDLDSIEASHLNRFNQNFANDEQVAFPRP
LEELT TSKVLVETFCETPIINPVKGNRPIEEKELLARIGLRMTLQMI FLHDFI
HGDLHPGNILVSGTYPDLYQVLDCLALEMGPQKHENIVKVLGAFTRKDGRTAGSTMVDMK
SESQASPEG RELFIEGIEQICILDGDQNFIEENVGDYITDICSLACIHRVKLEGA
FVNAALAVEIMEGLA SALDPKLVQVALPLVKAEMMHR LGFQ
>comp13254_c0_seq1; 677 276 1862 LEN=2139; translated
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ENDMNYDYQNDDGQYGTSEMVDKVKDTAQGLMDRFDEDDVNMWSTSPSEWDDEFW
KVFGI IAGVV

TVVLSFIVYIFCCCCCGSDSDDRDFLVATKSEADRRRSHRGRFIGRTNTGNTGETDTVG
VGSYSERSNDWESPFVLIEDVEKDDNFGQDTVAQDTIAQDTLATCPGDTTSPVYGRGGIS
AMSGEFPFSANSTLGPFGFSTRAVAHTQSKEIGYGASMDNETQISNGKEIKENPSGGIIN
ETLEVWSEFLGFKKSKYNMPPPRPQDEDEDINLTDDERTRRSNRSRGSKSSKKKSSRKN
GIPRPTNGARSSNTQLHGAGYNPSPANASPAAFVDESVAETPISSNASASARMTKVNSPR
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>comp13255_c0_seq1; 579 98 2092 LEN=2294; translated
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GPPPPQFVSTDGAFGNPKCWQLRDSAGFRELDYDVVVCGGTLGIFYAMYLQLQGHRVCVI
EAGKLRGREQEWNISMDDELDELMLNVIQEDVDAVITTEFPACRSFGKNTVEVTPLEGGY
FENGETGYECLTPDVLNLGVTPSLLLKRVSDFRYIIGVVIKEETRLSGVCVSELVGS
AIDLGEAEPIITRLVLDLDCMGNASPIAQQRYGQKADGICCVVGSAGGYDKETNLYGDI
IYT
NQPIKTRKDRGSNQYFWEAFVVGIGRGNPEGTSVKTFTYMDADENRPSLLQLFEDY
WKLLEPVYQNSIENPETDLDIKRILFAYFPTYRDSPLKPEFSRVLAVGDASGIQSPLSFGG
FGALTRHLDRIGGAISEGLENDCLHKDDLGLINDYQPNLSAAMWFQKAMSVKMGQTVDPK
FVNRLLATNFVMDNMGEKTMRPFLQDVVRFDGLVGLAGSFLADPTFMPQIVATVGLPE
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GGDYKFP
PEEK
>comp13257_c0_seq1; 625 1 2511 LEN=2566; translated
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NLPPCLRWDKIDILLARIARDDFRDKYSGEERFFVPRQLRGDKEVMLALLAKHPSAIECAS
DDLRDDPEIFRAVLEAGQELPPYVLQHFSEIRSDRNVLRLCAHPNGITSLGFAASELR
NDKLLFFLEAIRVSHGGTGEGREASQNLVLRYSQRLQDDPEVVLEAVRKC
GPNLKHASYH
LRRDFAVVSAIEETGAAFRYCLPGEARDLLSDRELVLRRILGPSAHKXVRES
PAHSGT
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SR
PEFARAVLRSEDVDAALFEYVAEECPWLDREAMVAFARSGCKGVLDKTLRFASPEILGN
KEIMLEAIATDPVAYEYCTEELSADRDIAAA
AVRSSPACLGCLPDAVQLGHPEIVVSAIE
SFDPSEPHLCYESVCELSWDRSIALAWIQRFSDWIDDHFLDEFKADDEICLAVAEHNWK
QFCVASVSLRSNKEFMRAVERDARVIRYAKNSEDDSDSDNDEHHFGE
EEEQRLRHDD
DLALLAFSRDKRAIQSYTGGEDFGYVVAFTERIRKCLRWDTYR
DVFLQVLEGLQTVGES
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>comp13258_c0_seq1; 820 1 1671 LEN=1816; translated
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EALGAKDGNATLVR
VLKEIPDEVVLLDVKRGDIGSTAA
AYAASCYDHCNADGVTLSPLMGWDS
VAPFITDKYS
DKGAFLLCKTSNPGSNDLLALDLAG
GETVYERIAKLAQQWSVKSGAASS
NLGLVVGATDS
IALSKARKAAGEDVWILAPGVGAQ
GGNLEEAFRAGCNAQGSAMLVPV
SRGISRAEDPGAA
AKGLMENINAVRNKLKEKSPSSD
ADGTSDSIEPYQKEFLFSLSQNV
LRFGEFTLKS
GRT
SPYFFNAGLFASGAALFKLGTAY
ASAIMNSPELLDGKGGVSFDIV
FGPAYKGISL
GAVVC
AALYNDYGIDVGFAYDRKEAKD
HGEGKLVGASMSDGKRVLVDDV
ITAGTAIRQ
SHTML
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LDDPVSAVQAVQRDLNVSAISIV
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>comp13260_c0_seq1; 444 47 748 LEN=819; translated
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EHDAIYENWLKCSDEDCNDCEGEY
EAYTTWDNINP
LAGLSHCYDYHFSTDPVAKTVRDAK
GIFKNTVAIYHFHDEE
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>comp13261_c0_seq1; 274 153 1043 LEN=1375; translated
MATAAAMRAGPNLYSSVKSFRAFR
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SLVKQAMSQNDLV
VASIFVNPTQFGEGEDLDVYPRQL
ERDTELLSNLGVDMFV
PKLEDMYTKDFATYVECKS
FDDIPESIVRPGHFRGVATIVTKL
FNIVKPTNAYFGQK
DAGQCVLIRRI
VQDLDM
EVNIV
VGETVRES
DGLAKSSRNAYLSETERPAAAIYK
SLLAAKDAWVRNPLIESSELISIT
RDV
LESEPLVSEIQYVS
VESMATMKAVTKP
SECEDGTTISLGCIVGS
VRLIDNIVLKNE
>comp13262_c0_seq1; 232 143 745 LEN=1117; translated
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PVP
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HYLLVQRKNPPDKNKWSFPGKIELGEETLLAAKREILEETQLRGCLW
HSDPFLTTDAIV
VDNEDKDLASYAFHYVIAHCFARIPACESDSTPTVIASDDALNAK
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HTIKVIERAEELSRFGVLSV

>comp13262_c0_seq3; 186 1 681 LEN=1053; translated
AQCSSFVIEYEVDNLAESGVTFNVHMRKFI PVPSWSRFGQHRVKAISTSRNQYFFSTKR
EIPKPVYPRAAVAATI QWTCPKTNLNHYLLVQRKNPPDKNKWSFPGGKIELGEETLLAAK
REILEETQLRGCLWHSDFLTTDAIVVDNEDKKDLASYAFHYVIAHCFARIPACESDSTP
TVIASDDALNAKWWTVEKLHTIDCSAHTIKVIERAEELSRFGVLSV

>comp13263_c0_seq1; 117 1 824 LEN=945; translated
GYDNTMVSEMYCGDAGKVDFSDAFPTKSRI FALFSNXINYKTFWATDNGPEMNCPPDGI
CKRANTKPQRPEEGPGSAGRLRGRKRDIYEGGHRVPGIVSY PSEVKDTNTISWETIT TMD
FLPTVMEVLNVDRPKEQKSWAFDGRSILPLL RNATDFKWRDTVAGPRSVGYQYHDPKLDL
AHGWGYRFGRWKYVEGSSSCTISDCQKPQLFDLEADIGERHDLSTEYPDILADLQLKFRF
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>comp13263_c0_seq2; 398 204 2015 LEN=2136; translated
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YDSKGGAYFAGKWHLSFFND SKAYGGIPSSPITHGFTKMNATIEVAPTATTNCQCKAEW
VDSCDFGHYKEPNHCFPEGECCFNYWDDPLVHRFMNNLFVDHVCEDVFGSXS MHVLTVM
VCCETEFPC LSSVFLFLLAVAPHGVTNLTWPTPPDDSLYLADAFSRYLKDRSAQQKPF LAQ
ISFHNCHIPF IGSKAKE SCARGETCQLPQNGEEPFTDEELDY YACLVELDNAVGTILAA
LKNHGYDNTMTWFATDNGPEMNCPPDGI CKRANTKPQRPEEGPGSAGRLRGRKRDIYEG
GHRVPGIVSY PSEVKDTNTISWETIT TMDFLPTVMEVLNVDRPKEQKSWAFDGRSILPLL
RNATDFKWRDTVAGPRSVGYQYHDPKLDLAHG WGYRFGRWKYVEGSSSCTISDCQKPQLF
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ATE

>comp13263_c0_seq3; 465 204 1871 LEN=1992; translated
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YDSKGGAYFAGKWHLSFFND SKAYGGIPSSPITHGFTKMNATIEVAPTATTNCQCKAEW
VDSCDFGHYKEPNHCFPEGECCFNYWDDPLAPHGVTNLTWPTPPDDSLYLADAFSRYLK
DRSAQQKPF LAQISFHNCHIPF IGSKAKE SCARGETCQLPQNGEEPFTDEELDY YACL
ELDNAVGTILAALKNHGYDNTMTWFATDNGPEMNCPPDGI CKRANTKPQRPEEGPGSAG
RLRGRKRDIYEGGHRVPGIVSY PSEVKDTNTISWETIT TMDFLPTVMEVLNVDRPKEQKS
WAFDGRSILPLL RNATDFKWRDTVAGPRSVGYQYHDPKLDLAHG WGYRFGRWKYVEGSSS
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ELGMPPSLVLSAATE

>comp13264_c0_seq1; 772 729 3566 LEN=4201; translated
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KWLNP CSYYYSMCRKQRKSPYQSDIGKDHQNL SLVEPTANATKHNSKGNNGGTVALAAVHA
ESKRKRGERNLRRSSSVWKNLKF NFKRSDPEMINKYDAASKIQRARNRVQFGACADEE
QSNPAFEPNRLSVRNPPERRSTNIAVLGTL SQARSRFQSKAGKEHGESQVRSDMRELLGN
RVAIGTLIMLIFTVLCTYTRHSTTQIKTMIVLHSQTRKPAYAKPSLTA AVNTTAPTLYQY
SPSIGSVTWFPNPRYGNSTDLTERNIVKITVTD SLLYGTSTGWFDNSRTVKRAA ILDIVA
TIF I I FWYAGVLSFSGPVMLLV IAPVEQMVRLLGMLTV DPLGYQSTARYKEFLRDDDEL
SRNTRWSREVLKGMETSFLKSTILRIGSLMKVGFSGSAGVEI IQNNLEKGHQKNMLILNSQ
GTTVSCIFLFS DIRQFTDATEQLQE EVFVFTNRIAAVVHSICNSYGGAANKNIGDAFLLS
WSLDDNGASGGDALKADKKSQADKALLSVIKI CIALTYDNFFLEPLSDAARGRLKSKLKD
RTGSVVQMGFGLHAGKAVQGAIGSQRKIDATYVSESVERAEFLESSTK KYGLKMMMSGEF
HRLHLSRTQGRCKIDHILIRDKDDGYFEDYDRQGEFMDLFTFDMDVD AIQQADATLHN
TMGESDKLSNSSLKQTI RKRKRGRSRTSLMNARDLMGNSNNSQQSHVEPSSNSRLGHF
DDNRNFLQEHRELVLPSGPALYAQN VWQSPDMRKIRDKYIKSFFFQKYKSGLDAFYKKD
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>comp13264_c0_seq2; 746 729 3614 LEN=4249; translated
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ESKRKRGERNLRRSSSVWKNLKF NFKRSDPEMINKYDAASKIQRARNRVQFGACADEE
QSNPAFEPNRLSVRNPPERRSTNIAVLGTL SQAPVGRMNSAETI IPTKSRSRFQSKAGKE
HGESQVRSDMRELLGNRVAIGTLIMLIFTVLCTYTRHSTTQIKTMIVLHSQTRKPAYAKP
SLTA AVNTTAPTLYQYSPSIGSVTWFPNPRYGNSTDLTERNIVKITVTD SLLYGTSTGW

DNSRTVKRAAILDIVATIFIIIFWYAGVLSFSGPVMLLVIAPVEQMVRLLGMLTVDPLGY
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NLEKGHQKNMLILNSQGTTVSCIFLFSDIRQFTDATEQLQEEVFVFTNRIAAVVHSICNS
YGAANKNIGDAFLLSWSLDDNGASGGDGALKADKSQADKALLSVIKICIALTYDNFFLE
PLSDAARGRLKSKLKDRTGSVVQMGFGLHAGKAVQGAIGSQRKIDATYVSESEVERAEFLE
SSTKKYGLKMMMSGEFHRLLSHRTQGRCKRIDHILIRDKDDGYFEDYDRQGEFMDLFTFD
MDVDIAIQADATLHNVTMGESDKLSNSSLKQTIKRRRKGGRSRTSLMNARDLMGNSNNS
QQSHVEPSSNSRLGHFDDNRNFLQEHRELVLPSGPALYAQN VWQSPDMRKIRDKYIKSFF
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>comp13265_c0_seq1; 553 243 2465 LEN=2999; translated
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NKNTTKKGGVSRTKSLEQSSTPKRDVERSKSLDLADKIDRSTLSIAHLSTNQNPGRGRGS
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RGRRRPGETIYKAPSPLSQKTTSYRQGILRHSSHHSPHSPKSKYKRSVCINEHNLHSNFD
SDIESDDNDDDRSIYMEGEGEKSQKTVSRTLVRSLSNSMKKSIRNFMTMDMSGHSRGLG
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TLALFMDFLNALVAIITYGGKTTQCCGKSIMS AFFGGKIDWDKTILVITSVYMALIFME
VLPVMDTFFPNLLNPFVGF LITFAVFFSDSIMEAIIMWIVEGF AVGCEVLSYRLRVKLY
GERKAKLKQAKKDIQEFRKIKRKVKNQYENGKSSKISIRPGSDDALSIGPESDSMIGDDS
VFDEAEMQQSSTIASRSSHEQTTMSDIGDLRETRLLRERRELITSQSEDERDLHIHLIGV
SINVSLVILSLLMIVIIGKNGGMCIRGMKFGNIFKNDQLDKCYTYKACVDPAECEEYCPT
DEDGELTEESQCYYPYGVGK

>comp13265_c0_seq2; 328 68 937 LEN=1256; translated
MSAFFGGKIDWDKTILVITSVYMALIFMEVLPVMDTFFPNLLNPFVGF LITFAVFFSDS
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KSSKISIRPGSDDALSIGPESDSMIGDDSVFDEAEMQQSSTIASRSSHEQTTMSDIGDLR
ETRLRERRELITSQSEDERDLHIHLIGVSINVSLVILSLLMIVIIGKNGGMCIRGMKFG
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>comp13265_c0_seq3; 553 243 2465 LEN=2784; translated
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NKNTTKKGGVSRTKSLEQSSTPKRDVERSKSLDLADKIDRSTLSIAHLSTNQNPGRGRGS
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RGRRRPGETIYKAPSPLSQKTTSYRQGILRHSSHHSPHSPKSKYKRSVCINEHNLHSNFD
SDIESDDNDDDRSIYMEGEGEKSQKTVSRTLVRSLSNSMKKSIRNFMTMDMSGHSRGLG
TGSSPQKSATLSRTPSSASIAMLQHPEFEGENRFIRALRYIHILAPHPNEHPKKNIRIV
TLALFMDFLNALVAIITYGGKTTQCCGKSIMS AFFGGKIDWDKTILVITSVYMALIFME
VLPVMDTFFPNLLNPFVGF LITFAVFFSDSIMEAIIMWIVEGF AVGCEVLSYRLRVKLY
GERKAKLKQAKKDIQEFRKIKRKVKNQYENGKSSKISIRPGSDDALSIGPESDSMIGDDS
VFDEAEMQQSSTIASRSSHEQTTMSDIGDLRETRLLRERRELITSQSEDERDLHIHLIGV
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DEDGELTEESQCYYPYGVGK

>comp13265_c0_seq4; 328 68 937 LEN=1471; translated
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KSSKISIRPGSDDALSIGPESDSMIGDDSVFDEAEMQQSSTIASRSSHEQTTMSDIGDLR
ETRLRERRELITSQSEDERDLHIHLIGVSINVSLVILSLLMIVIIGKNGGMCIRGMKFG
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>comp13265_c0_seq5; 553 243 2465 LEN=2596; translated
MQEERRIATDEEHLPCAEEKEQPSVSSPKSKSKAKTKSKATKKKLTNDEPLSSVLTSE
SNVKSTRTKTKSTKTKMKRKKHSDGGESLGNSSSTHSTVTPTIAKSSSYLPRPQGTCKN
NKNTTKKGGVSRTKSLEQSSTPKRDVERSKSLDLADKIDRSTLSIAHLSTNQNPGRGRGS
RGRGSLSPVGGRRGRVQQPSRRGPPRTSRSSERKPSSDRSRASRSRSGDSVSSMTSRES
RGRRRPGETIYKAPSPLSQKTTSYRQGILRHSSHHSPHSPKSKYKRSVCINEHNLHSNFD
SDIESDDNDDDRSIYMEGEGEKSQKTVSRTLVRSLSNSMKKSIRNFMTMDMSGHSRGLG
TGSSPQKSATLSRTPSSASIAMLQHPEFEGENRFIRALRYIHILAPHPNEHPKKNIRIV
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VLPVMDTFFPNLLNPFVGF LITFAVFFSDSIMEAIIMWIVEGF AVGCEVLSYRLRVKLY

GERKAKLKQAKKDIQEFRKIKRKVKNQYENGKSSKSI SRPGSDDALSIGPESDSMIGDDS
VFDEAEMQQSSTIASRSSHEQTTMSDIGDLRETRLLRERRELITSQSEDERDLHIHLIGV
SINVSLVILSLLMIVIIGKNGGMCIRGMKFGNIFKNDQLDKCYTYKACVDPAECEEYCPT
DEDGELTEESQCYYPYGVGK

>comp13265_c0_seq6; 303 243 939 LEN=1625; translated
MQEERRIATDEEHLPCAEEKEQPSVSSPKSKSKAKTKSKATKKKLTNDEPLSSVLTSE
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NKNTTKGGVSRKTSLEQSSTPKRDVERSKSLDLADKIDRSTLSIAHLSTNQNPGE GEEV
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>comp13265_c0_seq7; 328 68 937 LEN=1068; translated
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KSSKSI SRPGSDDALSIGPESDSMIGDDSVFDEAEMQQSSTIASRSSHEQTTMSDIGDLR
ETRLLRERRELITSQSEDERDLHIHLIGVSINVSLVILSLLMIVIIGKNGGMCIRGMKFG
NIFKNDQLDKCYTYKACVDPAECEEYCPTDEDGELTEESQCYYPYGVGK

>comp13265_c1_seq1; 243 456 1383 LEN=1383; translated
MVGTSKPKRNKEFVLVIIMPQLGDFDSA EYAELLSYVKEDLRRARITLRIIGIGNANSAR
RFANFSGLDLESIRVDPQGELHRALGLHRGNWDVPSFVPEFSLSWFSDYVGVDDD IKRD
SKAIFRSWLN YMAMCAGIASPDTLPEILRGYIGDKKSPERLRSDEIVTVGGTDPAINNED
SKDPFIAITGTTDVKLGLPKYQQAWKDESGYQRPLELATVRLRVMIEVLSNFAEYVPDQR
HLDLRGATYLF EWADKSNGNENDIATLIYEHADTGVLSSYKTMGRPLSFLEPYIGKKALN
PLELGDIAVX

>comp13266_c0_seq1; 226 1 864 LEN=1685; translated
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LRYLQNLNMYLMDKFGEIALMRQLYMSDLNNE DIRFLKKG YMQILPFRDRAGRRI LASLGS
LGGFEYSMETKERVAIYI CHAILSE DVVSQRKGAVMLGLLNEEAIESIRMIKMSNTHKFM
QAMPLRFSGLHSCLPDDFRFRVIKAMVLLMNKGDNRHLTRIHIHGKFL

>comp13266_c0_seq2; 376 1 1464 LEN=1554; translated
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LRYLQNLNMYLMDKFGEIALMRQLYMSDLNNE DIRFLKKG YMQILPFRDRAGRRI LASLGS
LGGFEYSMETKERVAIYI CHAILSE DVVSQRKGAVMLGLLNEEAIESIRMIKMSNTHKFM
QAMPLRFSGLHSCLPDDFRFRVIKAMVLLMNKGDNRHLTRIHIHTQIECDYKLSRFGIPT
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CFLVRKHGVAWNNP GNIELRVFLEEKERENGRKRLKGEFISGIVDEISARNINILVFDEQ
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DTTMDEG

>comp13267_c0_seq1; 602 1 1962 LEN=2131; translated
ALTKALKQRRFTA AAPHRPNQIKRTVASCEQATMKRNPSV DSE DGSTLYVQGEQH QEQQQ
QQQQAIEQRQPQHRVFDSSKLIHMIDKKS NKNQAWFQNNQPSVNGGTDPLSQTGNEAFIE
SQVLRRLTNDCLRFQEPREVSSDADGGAI AHSGSPALFHRHEIQT SWNMLGN GAFSEVYT
IQKFYLQDKGFVDPEQRAARERLQNNCIEGRPEPSGIEEHVQCLQLEGNFQFHQCQSTQP
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DGFFLIIDLRLNTTLSQQIQEWRYQAGPEQQKMMYSNR TIDFREKLEIARQIASALEYLHG
RDIVYRDLKPDNVGLLYSGPTGKLLVQLFDFGLCREVPEASPPEDKVFHMSGVGT RRYMS
PEVYLGQYYNFKADVSWAIVLHSMITLQRPFEMYDAQLHKL LVCTEGIRPTIHRQWPRS
IQELLGRGWAPNSSDRPTIREVCAFVDDILKDADVPCCSDDDEESASSRYVRTSATCCS
YDPYPDPSPDEPKEDDEPKPMP SRTSTIEASIANFMEEWTQLLCTGPTDVECNDAKKQPT
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>comp13268_c0_seq1; 222 277 1074 LEN=1414; translated
MPVATASSPGLSALQSIATVAGVVVLHALAVATVRQRKTSEAGGTTLKQGTRKASSSKS
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TAIF EYDPSTDQCTLFSIGVNRVPLGNSTLHGEMTAIQFGQQKIGNFSFSSAGSKAGKE
YHLYTSCAPCCQCLGATMWSGVSKLVCGATKD DAEAIGFSEGPVFDPPQSYDALEDAGCRV
VRDVLREECKEVL DWYGRNGEIYNP

>comp13269_c0_seq1; 294 1 1207 LEN=1323; translated
HPTPPFLLRSRSTSYIILCLWVPVVALVPPNDDDPQAKKARSNRAGTFRGRCP PPGPLR
RIGSEAFPSEAPEPAGSFARPD RRREEGPEGGPGGGVHDALSARIVQQQSGLLACGGRVG
LFVSGFGVSASRLGRPDASILTRSEIEDAARNVVRVSNTHATGLPPPVLVDGDTGFGG

AANVRETIRRTASIGAAAITIEDQVFPKRCTYLAGSGIGVVSRAEATDRIGAALAAARDEA
LEADGNPIFVVARTDCRMALGLDEAIERCLAFQDMGADVVAENLQSGEEYLALRRAVTG
GSAASEARGVAPMVLAQFQTGAENQRLYSADEVGAMGYEMALYGVVGLQATVSALRSVAVS
ELLGEGSGGIVRSTPLSALDEIKEVVGFSDDLDDFERKHGCT
>comp13270_c0_seq1; 105 1 431 LEN=878; translated
XPLLSLAVEKVRARLLRGPNMARYEYDYATGTSYEYRAKTRGHCNTGFWKLKCGAWSLPRD
HDRMPALLAAMEPVSFLCASSHALKSTTNGVGTGVKMRNSVPCRAEIHAEKGKVRRTHSP
QEDVSARPNGLVFQQQWIGRGRYR
>comp13270_c0_seq2; 105 1 431 LEN=821; translated
XPLLSLAVEKVRARLLRGPNMARYEYDYATGTSYEYRAKTRGHCNTGFWKLKCGAWSLPRD
HDRMPALLAAMEPVSFLCASSHALKSTTNGVGTGVKMRNSVPCRAEIHAEKGKVRRTHSP
QEDVSARPNGLVFQQQWIGRGRYR
>comp13270_c0_seq4; 199 167 340 LEN=518; minus strand; translated
MSTDQPAMAGGEHLHHGSEVCHHKGRNGSDEVLDPMEDFIQCEEIGDDSLVRFVASK
>comp13270_c1_seq1; 1361 1503 4862 LEN=5260; translated
MSSNNSSLRPGWFKGSGAGGGKGFQPPPTASDRGDKGRSNSNGSGDNEIGGRRDSNIFAA
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ARVPELSSSSGHGRRRHSSGGLGGSGRFSHIHSHDGGSGGPSGSSEGYKADPKVIRYTRE
KLLSLRFAPRGEDPGPPEELKAVEGSV IISSTAQDPVCWDTFDAEEIWEMAREQRRSSSA
ISGKSMGGLEDQRRRTAPSSGRWSRGLALPPPEDGSKRKGVDVNPNELWDDPVGGVIGAA
SDFSSFGALPTENGEAFDFDKMAEASAKLELELHGDRSSGDDADHNSNKKIDVSRPLASA
GTTLISGSGNDVNVFEDFDTPVTS DSEGENNAVVTNEDKETVAVRGGDEDPNASSRLMKM
IGVSRDPTVDSANHEAKPLEPSSNPWGSSTNLDLASKTTTPTDPIIGGIAGVPSNAGGTS
ISLNPWGDPIISASTPSQQTGASGSGMTLGGIHI SAFSAEKNREAQIAAEREK IARHEA
ELLARRRHEEEKEQRLLLAQQQQQNNPPRQSQIELVLMERIC TILENSWGRSDLMSILRT
LHSEDARVIQLLRHIDALRALIARSPQRVSLRRDPSLAGEIAVLVMTNAQWQEQQQQQQH
IQARMQQEELRRRHMEEEAKARLQAQNQLTQS IKKDVPWYYSDPQNNIQGPFRGEEMRQW
LEAGYFKGDLPI SQLPNGPFHQLSNWF PNLSTAFTAEGSEGRSDRDDGAVLEQQQRKNAEA
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NQLKMMLGLSSGEKSDTLNK ISETSNGAVDKANKTSSKGALKKSSPKTARPSGAGSQP
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AQTNSSGWANVAAGSTGWSSGAIRTVVQNPAVTVSVRPGQAPSKPQTKKVVSSSTQKAAPA
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>comp13270_c1_seq2; 247 69 638 LEN=1755; translated
MKLAVTLLLALFAVATGQTTNTKVFDFIDIGGTAAGRIVMGLFTEDVPKTTENFRALCTG
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MYLSMANAGPNTNGSQFFITTVKTSWLDGRHVVFVKVLEGEDVVKAEAVGSGSGAPSS
VTISDSGEL
>comp13270_c1_seq3; 1361 2007 5366 LEN=5764; translated
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ARVPELSSSSGHGRRRHSSGGLGGSGRFSHIHSHDGGSGGPSGSSEGYKADPKVIRYTRE
KLLSLRFAPRGEDPGPPEELKAVEGSV IISSTAQDPVCWDTFDAEEIWEMAREQRRSSSA
ISGKSMGGLEDQRRRTAPSSGRWSRGLALPPPEDGSKRKGVDVNPNELWDDPVGGVIGAA
SDFSSFGALPTENGEAFDFDKMAEASAKLELELHGDRSSGDDADHNSNKKIDVSRPLASA
GTTLISGSGNDVNVFEDFDTPVTS DSEGENNAVVTNEDKETVAVRGGDEDPNASSRLMKM
IGVSRDPTVDSANHEAKPLEPSSNPWGSSTNLDLASKTTTPTDPIIGGIAGVPSNAGGTS
ISLNPWGDPIISASTPSQQTGASGSGMTLGGIHI SAFSAEKNREAQIAAEREK IARHEA
ELLARRRHEEEKEQRLLLAQQQQQNNPPRQSQIELVLMERIC TILENSWGRSDLMSILRT
LHSEDARVIQLLRHIDALRALIARSPQRVSLRRDPSLAGEIAVLVMTNAQWQEQQQQQQH
IQARMQQEELRRRHMEEEAKARLQAQNQLTQS IKKDVPWYYSDPQNNIQGPFRGEEMRQW
LEAGYFKGDLPI SQLPNGPFHQLSNWF PNLSTAFTAEGSEGRSDRDDGAVLEQQQRKNAEA
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NQLKMMLGLSSGEKSDTLNK ISETSNGAVDKANKTSSKGALKKSSPKTARPSGAGSQP
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AQTNSSGWANVAAGSTGWSSGAIRTVVQNPAVTVSVRPGQAPSKPQTKKVVSSSTQKAAPA
SSSTPAEEFGTTMSPALEKWKCEKMQLINGSDDLTLVAF CMTLNDASEIRQYLTTYLGST
SQVNNFATDFINKRGLGSKQEEWETPGSAKKGRKKKSGR
>comp13271_c0_seq1; 273 105 1406 LEN=1580; translated

MPP IARRRSSRRLVNGLRQQDRIDTSSSSDSSRKSNERDCTGYHSGSEATDAHRLSSAAS
SSKQKKQKRRRSSRGHSCLAKLAEIIVTNRKRVLITGAGMSVASGIRPFRGKSNHHNEA
LWTQHIWTTATRETFRKDPLEWYNRFWLPFSSLPSPVQPNAAHRAVQWLLDQSSSTGGSES
LNIKMITQNVDGMLPPNP IHTIEAHGRLGLYKCI PDVDSDTDSESDDDDGRSVHLGHRK
WKRRRDPQRECSNSRRQRHSGSKS INRSQKCRQCPYQNLESVTIAQIEPSRVQETLRLG
KGRLFETPKCPHCKNTLAPQALLFDEGYHSHDFYEFQKMEEWLAEAEVIVFVGTSTFAVRL
PEVTLEHARAKNIPVYNINTHDMLAPTSILDAYNIRGPAEETLPLLAHEVAELQRNSNIR
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>comp13271_c0_seq2; 254 105 1232 LEN=1732; translated
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LWTQHIWTTATRETFRKDPLEWYNRFWLPFSSLPSPVQPNAAHRAVQWLLDQSSSTGGSES
LNIKMITQNVDGMLPPNP IHTIEAHGRLGLYKCI PDVDSDTDSESDDDDGRSVHLGHRK
WKRRRDPQRECSNSRRQRHSGSKS INRSQKCRQCPYQNLESVTIAQIEPSRVQETLRLG
KGRLFETPKCPHCKNTLAPQALLFDEGYHSHDFYEFQKMEEWLAEAEVIVFVGTSTFAVRL
PEVTLEHARAKNIPV

>comp13273_c0_seq1; 833 155 1966 LEN=2031; translated
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TKRSSIVLPQPNQWLNTQLKKWLTERPLNPNDNDVKFLRYQIKRALDFLTSDVTNTVNGQ
DVLQEFVPLPTPADAPLDGPAITGGIGDGEAKVSIPITQTIMASNPSSSNVSLSLGEIQ
TEGFIYATEHDSADYKLSAADTFLKKGKQPRILFAMAHGIPQLQSMIEKVTQNLVKKRKEV
TEEFMPRAEDFRYIEIKRRANYFMNMEEQKNYYLQDLELKNPLENMRGIVTLPQPAQWKVH
ALKQWLAERPLKPDERDMKFLNTS I KQCTKALTEAVMKDPTLTQHSVKRSASMMMLSTDLS
SALEGGTLGGPLMQVLAKQDA I LGAVKKQNNQQSILNKITVLTQSIMGYNQEI SIKQSTH
SEIQNRILTVMKIAENPSAEALKKIMSTHEENKTEVESQIKQLEEKIAEVRGQIDTHN
EELKAIDSEEPAVEVETPVEETVEFEPKPKMKLDHESAEPMEEAAENPPAVEQTAAQQ
VEV

>comp13274_c0_seq1; 781 268 2322 LEN=2322; translated
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QSIGSEEPDLLDPPVQISDPYGWMRDESRTSPEVLDHLEKENQYTEEMTSHLGLRAELR
EMVAGIRETDHTVPSARTSDGFFYYTRTFAGKSYKSF CRAP I SENPDWIETCRSWDGED
SPVLRGEVAYLDVNALAEKTYCATGNVKSPLHPGGRSESEGEASQSQSOLLAYTVDFS
GNEVTELYVKDMDSGLLDVHDHPDLECYGTIQWGADQTTLFYVKMDDQKRPYQVYRKTIGS
DKPDELLYQEDDELYWVGLSKSFDGKYIFVSSGSKETSETHYLDLLDPAEELRCVAKRRK
KVLRYRTHRAGYWYITTNVGGSPNMKLMVSEAVADSQDLWEDLKVNGEKLFDGGYERSIS
GITSFGSHSVATGREDGLPQVWIIAFEDSSTGVRDFVRLKFD EEA YDVGLGANLDCTSD
SVVVAYDSLVTPLSYLRIPLDAPTDLGARTILKEQLVPGYDKSKYSCKRVTVKSRDGETE
IPVSIYRSDVMDKVASGATVPHTLYGYGSYGACIEASFRATRLLTLLDRGMVYIAIAHVRG
GGEMGRQWYEEPKGAKYLCKKNTFN

>comp13274_c0_seq2; 781 286 2340 LEN=2340; translated
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QSIGSEEPDLLDPPVQISDPYGWMRDESRTSPEVLDHLEKENQYTEEMTSHLGLRAELR
EMVAGIRETDHTVPSARTSDGFFYYTRTFAGKSYKSF CRAP I SENPDWIETCRSWDGED
SPVLRGEVAYLDVNALAEKTYCATGNVKSPLHPGGRSESEGEASQSQSOLLAYTVDFS
GNEVTELYVKDMDSGLLDVHDHPDLECYGTIQWGADQTTLFYVKMDDQKRPYQVYRKTIGS
DKPDELLYQEDDELYWVGLSKSFDGKYIFVSSGSKETSETHYLDLLDPAEELRCVAKRRK
KVLRYRTHRAGYWYITTNVGGSPNMKLMVSEAVADSQDLWEDLKVNGEKLFDGGYERSIS
GITSFGSHSVATGREDGLPQVWIIAFEDSSTGVRDFVRLKFD EEA YDVGLGANLDCTSD
SVVVAYDSLVTPLSYLRIPLDAPTDLGARTILKEQLVPGYDKSKYSCKRVTVKSRDGETE
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GGEMGRQWYEEPKGAKYLCKKNTFN

>comp13275_c0_seq1; 490 1 1985 LEN=2425; translated
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SGRMSPESSGLSINGNPLSQQDMKQLKANIAYVKQSDIFFEYLTVRDQLGYTASLRLPQT
WSVEKKSAEVDRTIELLRLSKVADSQIRMLSGGEKKRVNIGTELLTDPDIVLLDEPTSGL
DSTTSVELVKMLQQLAREEKKTVIMSIHQSSALFHSFSKILFLAEGHAVYFGPKDSL I

YLKDHDMACPDGYNAAADHWMDLLVQDKSTTQRCDETMSTRHLLIDTWDNETIAREVDHS
VNMGEEQSVVNKDKNYKYNTSWGQQYKILVNRSLKNSKSAIFTPMNITKSILLGLVTGA
LYFQMDYTEASIHDRGSYFFFTMTLWVMESMFQSFTTFFPTEREVVLKERSSSGSYRLSAYF
LAKTTSELPALIILPCLYMTISFWMASISTSCLVFISTVGITLMSVMAGEALGLLVGSTI
YDMEKGATVLTVALFLALLGGFFVQNVPSWLAWGQYVSPYSYAFFSVLPIVFSVSEP
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R

>comp13276_c0_seq1; 998 83 2537 LEN=2537; translated
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AALPFFSDVTEATFQRWRPNDRCRNSRDLQWLDMDMIGGTALRENPLEPGRRVV
GAAEQVPIIRAFGVTEAGNSATVVFVHGFTPYGYFALPQGS SFDHTEENLARIRLYNSR
LEGQARGGKLHEYCFAVSYETGYKSIMGYESPHTHFFRVVAMPTLIPTLKRIMEDGVLDL
PGVETPEGNEYSAFECNVPFVLRMYMIDHEISGAGWITLPPKTYQLRDPSSRRKTNSQVEVD
ITYRDIISRKPEGEWNKIAPLRTLSDIECQGRKGYFPEAEKDPVIQIANAVTVYGEKTP
MVQNVFTLKGCLPIVGAQVISSDNEVDMLMKWRAFLEACDPDVTGYNVQNFDPYLLDR
AETLKGKGYGNQTIKGAQWGRILNSKAKMKETTFQSAAYGKRNNIETTIEGRVIFDMLP
YMQRNHLKSSYSLNSVCAEFLGQQKEDVHHSIISDLQNGSDEDRHRLAVYCLKDAVLPQR
LMDKLSVMVNYVEMARVTGVPMSFLISRQQIKVLSMILRKRNEKLLVPTLKKGGFNPD
DANYEGATVLDPIKNYYQVP IATLDFASLYPSIMQAYNLCYSTLIGPKEVHRYDPEIYKK
SANGHVFVHSTVKKGILPTILSELLAARKRAKMDMKNAPTEFERAVQNGRQXALRCVESR
RVGFVLFVCFGLGVAVAVVVFVCSAGTERLTYGFFSSLDG

>comp13276_c0_seq2; 223 1 1328 LEN=1409; translated
LFFHPWTVVFMVFFFVSSXALKISANSVYGFATVGQLPCVPIASSTTSYGRELLEK
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LLEFEKVFYFPYLLMNKKRYAGLMYTRPDKYDKMDQKGLETVRRDNCALVRDVIQTSLDKI
LIEQDVEGAIGYVKKQISDLLQNKMDISRLVITKSLNKGAEYALGIGGKKEDYKVKQAHV
ELAARMKKRDAGSAPQMGDRVPYVITGAKGASTYERGEDPIYVLENGLAIDCKWYLSNQ
LSKPLTRIFEP IIEDVTKSLQGEHTRKIFIPTPAARKGSLMMFAVKTAKIGCKAPVNS
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YRRKKVQADIRLAQEVLDFKFR

>comp13276_c0_seq3; 1440 83 3664 LEN=3745; translated
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AALPFFSDVTEATFQRWRPNDRCRNSRDLQWLDMDMIGGTALRENPLEPGRRVV
GAAEQVPIIRAFGVTEAGNSATVVFVHGFTPYGYFALPQGS SFDHTEENLARIRLYNSR
LEGQARGGKLHEYCFAVSYETGYKSIMGYESPHTHFFRVVAMPTLIPTLKRIMEDGVLDL
PGVETPEGNEYSAFECNVPFVLRMYMIDHEISGAGWITLPPKTYQLRDPSSRRKTNSQVEVD
ITYRDIISRKPEGEWNKIAPLRTLSDIECQGRKGYFPEAEKDPVIQIANAVTVYGEKTP
MVQNVFTLKGCLPIVGAQVISSDNEVDMLMKWRAFLEACDPDVTGYNVQNFDPYLLDR
AETLKGKGYGNQTIKGAQWGRILNSKAKMKETTFQSAAYGKRNNIETTIEGRVIFDMLP
YMQRNHLKSSYSLNSVCAEFLGQQKEDVHHSIISDLQNGSDEDRHRLAVYCLKDAVLPQR
LMDKLSVMVNYVEMARVTGVPMSFLISRQQIKVLSMILRKRNEKLLVPTLKKGGFNPD
DANYEGATVLDPIKNYYQVP IATLDFASLYPSIMQAYNLCYSTLIGPKEVHRYDPEIYKK
SANGHVFVHSTVKKGILPTILSELLAARKRAKMDMKNAPTEFERAVQNGRQLALKISANS
VYGFATVGQLPCVPIASSTTSYGRELLEKTKEYVEKNYTVANGYKHDAQVVYGD TDSV
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LVITKSLNKGAEYALGIGGKKEDYKVKQAHVELAARMKKRDAGSAPQMGDRVPYVITGA
KGASTYERGEDPIYVLENGLAIDCKWYLSNQLSKPLTRIFEP IIEDVTKSLQGEHTRKI
FIPTPAARKGSLMMFAVKTAKIGCKAPVNSKNGYLCKHCSPRQAEIYLEKLECLRVAEK
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>comp13277_c0_seq1; 257 182 925 LEN=1176; translated
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KKKYSGDREWEEIVDRHYFFDMAGNHTNKFAKLITLLEKEYNIKDLTEVPKLI RDFISWR
DGVNIKALFEGKYDGERIIMNYDKKGGHYDDGEDHEVEKRFESQVDQEMSDTAEGDGYN
DNEENEL

>comp13278_c0_seq1; 417 1 999 LEN=1114; translated
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DKAVETWRKEMVSSSIRSAAARTDAFHRERTFRERLQRNPNDDEAKAYFEKKDNLLLVNE
QYRQAMQEYEPESMGRVLMYINASINQHPLQAFVDSGAQTTIMSKSCAGRCGIFHLLDTR
FHGTAVGVGTGRILGRIHIVQLQIGDYHFPCSVTVMDAAIPTAQAGAGASASAKPKDMD
LLLGLDMLKRFNCSIDLDDSKLKFRLGGTVLETPFLHEKDLDETKGGTKGFDAAEANRRL
EELQRRHHEGGSTGNGGGGETNDDDEENDQMYD

>comp13278_c0_seq2; 388 270 1156 LEN=1271; translated
MQQHDNHSNSXVLAKKIQGAPSFDAKAVETWRKEMVSSSIRSAAARTDAFHRERTFRERLQ
RNPNDDEAKAYFEKKDNLLLVNEQYRQAMQEYEPESMGRVLMYINASINQHPLQAFVDSG
AQTTIMSKSCAGRCGIFHLLDTRFHGTAVGVGTGRILGRIHIVQLQIGDYHFPCSVTVMD
DAAIPTAQAGAGASASAKPKDMDLLLGLDMLKRFNCSIDLDDSKLKFRLGGTVLETPFLH
EKDLDETKGGTKGFDAAEANRRL EELQRRHHEGGSTGNGGGGETNDDDEENDQMYD

>comp13279_c0_seq1; 604 410 2253 LEN=2350; translated
MEAQVVNQEQSQHVTFEADKKAFFADSSEGKNRFGKVSNEKKGYNLLSSKQWYVAMIAM
TLIFLVLVGYGFGSGLFLLKRGNAALNNDPAKDGSTPNGSDPSSISDSSNTVQDRQDYKY
SIVTLLGLPMVMERTSPQARAVEWLAYQDEPLFDVTKETSAEDQDRHHEILEQRYALVWV
YFDQGGPTVWKTINRDESAGWVEFGAGVHECDWKGVD CDYENGNTETGTVI GLRLSPALG
LVLTGTHLSTELGMLTALRRVDFSDQRLQGTIPDEWASMTNLKSVILSKNQLQTTVPEWI
GRSSEEGGWQNLQALDDNFLYGLSPSSMRNLRKLT HLELQVNPQLEGRFDELLFLEK
EDEATGLPGQNL EILDLSNTRLKGFKPKITLPSIRSFRLWNLPGFSGTLPPDIGNWSNLE
IFSIKEMPGLTGTLPTEFGSLEKLEILEVLDSNFMSGELPKELGNLSSNLKTINFRYTNQ
TGTLPVEWSSLVNLNLLQNKYLTGTIPTEYGYMTSLRSLDLRGTSLSGEVSQEVCAI
DSMETLQADCSYKNDKSVGXDSL SLLL VVSRCLALSGFEHEDYVDQTKELARAI RQGNTE
LHRRTIETYWILA

>comp13279_c0_seq2; 458 410 2414 LEN=2511; translated
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TLIFLVLVGYGFGSGLFLLKRGNAALNNDPAKDGSTPNGSDPSSISDSSNTVQDRQDYKY
SIVTLLGLPMVMERTSPQARAVEWLAYQDEPLFDVTKETSAEDQDRHHEILEQRYALVWV
YFDQGGPTVWKTINRDESAGWVEFGAGVHECDWKGVD CDYENGNTETGTVI GLRLSPALG
LVLTGTHLSTELGMLTALRRVDFSDQRLQGTIPDEWASMTNQVSXNNAVTDTDLRRIIVQ
FLCDVHF I KSGSGWNKAKHGVYILTF LSPSHLFATESVILSKNQLQTTVPEWIGRSSEEG
GGWQNLQALDDNFLYGLSPSSMRNLRKLT HLELQVNPQLEGRFDELLFLEKED EATGL
PGQNL EILDLSNTRLKGFKPKITLPSIRSFRLWNLPGFSGTLPPDIGNWSNLEIFSIKEM
PGLTGTLPTEFGSLEKLEILEVLDSNFMSGELPKELGNLSSNLKTINFRYTNQTGTLPVE
WSSLVNLNLLQNKYLTGTIPTEYGYMTSLRSLDLRGTSLSGEVSQEVCAIDSMETLQ
ADCSYKNDKSVGXDSL SLLL VVSRCLALSGFEHEDYVDQTKELARAI RQGNTEFLHRR
TIETYWILA

>comp13280_c0_seq1; 608 64 1959 LEN=1959; translated
MGKATRRKKNRQKRKDDQTP LHNGDSASLSSVISNPQSAVHRLRHTDPRIRHEALVALQ
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QTTASWTLVLLGRLDDCRKALVEQQQSQSTKSI SENQRKKA EKIRKQWYAISAPCFIAL
CQLIESNGHALNQINLQKKT FVDIAFGLLSLGLYNTGSSQVLDQASKMGEDTAMNDSLEE
GGLDAKTIAHDAIFEKLKKTTELYAARSLHSALDDNWELAEVLKNGECMNAWKTL LGGIA
EKKVDHDGSTS DATLFPVTT RHLIGCLVNLYQLALYSDDRSASLLWQEELLMEYGLKIG
GDERSQGLLTQILLSRETQPDVFR TKLSTQEHKFR EAQALLEKQK DDEKLEAEVDAQVRE
RKEPAKLIARRQKKMKELKREKMR EQQKARMI AEAE GAMDDTMDMDTND DVGDK EHTSSQ
IIDREQDGEEAVNEAMLEWNTTGTGQIQ LALEILTNLVSTWISAPEGPRPASKLFHLMNTI
DTTSRLRGVLQTF SQFLREGKIRNQ QNDMDDDESKSTFC EYERDDPIRMDIEETIGKISA
CLINCILSGIVVTRNDIASSSCPVKDLVWNP

>comp13281_c0_seq1; 244 104 688 LEN=992; translated
MVNVAGMALMVVSNNAVSHAVAKSLRSLDLLRSVVWKIALFYALWALYNRL LGNSRELG
HVMGMLLVLSCLATAHSPSSCSPGAARAALVASCGLVVLNFAAVLPMIVGAGGPAGFAKK
VRYSGDASALVAAWGYTFAAYIASNVGMWSLVFARFATLPMNGRSGFAPGHSDPGFDYPT
IEEGAYQPVTADL

>comp13282_c0_seq1; 316 129 965 LEN=1409; translated
MTNDNDGTIDKDAKGDSTSFVITGFGPFGVDENPTTCIVRQLDSHLRSSNPDCPSSAS
NNTNGCNVALADCVKEYIVLETS AEDVNKTMDRVKREYIEAPKAKEQERPQKIVLLHLGV
ARSSCFRLEACAYNEATFRIPDQKGYQPMATPIVPSHELKCYETTLDLEGLKQ TLEKEF
PAISTSLSTDPGRYVCNYVYCKSLEISLPYSMDNSAATEAAQT TTTATTNPTIENDGGEDY
ENNTICSSFLHVPHFVSVSKEDQLAYVSGVLRALAK

>comp13284_c0_seq1; 211 629 1405 LEN=1545; translated

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SAILLEAISAEAGLTTTSSVSTTTGQDENNGGGNHKSTIDGISSSDIEMNWKETIEQFR
RQKREQEIQKQTKGDGNEENRDTGVLNKVQRLKLLKRALERRRKLDSKGSFAINMVTLR
DEDEACGREVARGARSNLNCSKNKYKYNKNSGKSGETMGCDRSTITTSVSNLTL
KVIDEESYCPVPGKNNK
>comp13285_c0_seq1; 674 70 1473 LEN=1688; translated
MKLSIALSSLLLATGSAFAPSRQSRSSALQASIQSIQAREILDSRGNPTVEVEVTTEQG
LFRASVPSGASTGAYEAVELRDGGSRYLGKGVLKAVANVNDVLPVAVKGMVDVTDQQGIDD
AMLAIDGTPNKANMGANAILGVSLAVSKAGAAAKNVPLYQHAYELAGNGEEKYTMPVPCF
NVINGGSHAGNKLAQFQYFVPTGAETFFSEAMQIGCEVYHTLGKIIKRKFGGDATLIGDE
GGFAPPDNRCEGELIMEALKEGKCTIGLDVAASEFKVKGEDGYDLDFKYDGNVIT
GEALGNLYQELAADYPIVTIEDPFDEDDWASWSQFTAKNSEQFQVVGDDLTVTNIEKIGR
AVEENSTCCLLLKVNQIGSISESIAAVKAKQAGWVMTSHRSGETEDTYIADLAVGLCT
GQIKTGAPCRSERLAKYNQLLRIEEEELGAENTVYAGKGFRTTAWMGN
>comp13286_c0_seq1; 241 294 1078 LEN=1176; translated
MGPAAEQHNNGFPAASAVVPPAAFPPTLAGEAPPTNAGTGCSSGLRTPRRPPGDEEREAE
HAFEASAASAPAEAPAAGSPRDQERLPTEGSTKDAKRRAGGKQDAARGVPRSDSTADPL
VLALSKPVRSYLASIGVTTAAQLLLAXDDRPRGGPPLLEAREGHGPAPGPRDALVGEV
EEQGPEKGGRRGGPRGGGERGNQRQDSAEAAASVSPARKGQGTVVYGNLDREKNRILQWC
TATGEILAAATMERVLGGMERN
>comp13287_c0_seq1; 156 1 795 LEN=1379; translated
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EQEHESEGEHRSQGTGTTVSCESDHPWEQGPVSVSGSVGSGVGVPHRVSPIGPDTLD
EARCPNATIQFRAPINPSKTGKGGMGNHSRARYHLAPDMDTDVDIDIDTDADTDMDTD
MDTVTDTVTDTDALLCDFLFHTEDYVSYPRSRILTILLRARAPSTRDEAKALGDLRALLE
DAASGQGEQEREQERQAERGAALGAS
>comp13287_c0_seq2; 107 1 654 LEN=1238; translated
SLSRFFRGILGRAASQDESEGEHRSQGTGTTVSCESDHPWEQGPVSVSGSVGSGVGV
PHRVSPIGPDTLDEARCPNATIQFRAPINPSKTGKGGMGNHSRARYHLAPDMDTDVDIDI
DTDADTDMDTDMDTVTDTVTDTDALLCDFLFHTEDYVSYPRSRILTILLRARAPSTRD
EAKALGDLRALLEDAASGQGEQEREQERQAERGAALGAS
>comp13287_c0_seq4; 107 1 666 LEN=1250; translated
SLSRFFRGILGRAASQDESEGEHRSQGTGTTVSCESDHPWEQGPVSVSGSVGSGVGV
PHRVSPIGPDTLDEARCPNATIQFRAPINPSKTGKGGMGNHSRARYHLAPDMDTDVDIDI
DIDIDTDADTDMDTDMDTVTDTVTDTDALLCDFLFHTEDYVSYPRSRILTILLRARAP
STRDEAKALGDLRALLEDAASGQGEQEREQERQAERGAALGAS
>comp13287_c0_seq5; 156 1 807 LEN=1391; translated
RNRTRNRKGAPLSRTIGRNRSPRSPSFALAFASSASSASLSRFFRGILGRAASQDES
EQEHESEGEHRSQGTGTTVSCESDHPWEQGPVSVSGSVGSGVGVPHRVSPIGPDTLD
EARCPNATIQFRAPINPSKTGKGGMGNHSRARYHLAPDMDTDVDIDIDIDIDTDADTD
MDTDMDTVTDTVTDTDALLCDFLFHTEDYVSYPRSRILTILLRARAPSTRDEAKALGDLR
ALLEDAASGQGEQEREQERQAERGAALGAS
>comp13288_c0_seq1; 207 403 849 LEN=1060; translated
MALISAAAGTSSVIAGTIMGLTWKEKSRCSPTLETDDYFDDYWRSTNSTDQEPYFRSE
GNDACPEEFLTIVALLTGGLWYAVAICIAIFVATGRHAKWEARHGPYSNDRAISSAEVVV
IEMGTDPGDIGASDVSPVAVASATLLRDD
>comp13288_c0_seq2; 172 712 1098 LEN=1309; translated
MALISAAAGTSSVIAGTIMGLTWKEKSRCLPYTLETNDDYVDDYCPEEFLSIVALLTGGL
WYAVAICIAIFVATGRHAKWEARHGPYSNDRAISSAEVVVIEMGTDPGDIGASDVSPVA
SATLLRDD
>comp13288_c0_seq3; 207 712 1158 LEN=1369; translated
MALISAAAGTSSVIAGTIMGLTWKEKSRCSPTLETDDYFDDYWRSTNSTDQEPYFRSE
GNDACPEEFLTIVALLTGGLWYAVAICIAIFVATGRHAKWEARHGPYSNDRAISSAEVVV
IEMGTDPGDIGASDVSPVAVASATLLRDD
>comp13288_c0_seq4; 208 403 789 LEN=1000; translated
MALISAAAGTSSVIAGTIMGLTWKEKSRCLPYTLETNDDYVDDYCPEEFLSIVALLTGGL
WYAVAICIAIFVATGRHAKWEARHGPYSNDRAISSAEVVVIEMGTDPGDIGASDVSPVA
SATLLRDD
>comp13289_c0_seq1; 543 257 1546 LEN=1571; translated
MGKKISKGSSGGKGGSDVCWSSNHHLRKAQQRKMRVSDEKREERERTAVLTRGSK

QKREEGKNRLHMKHTQRKLDKLERLEKWDDIEEALLLKKEEEERRQKEKEEELDPPKKG
RKGPEWKLKGAARPAHLVYDFDTRYVDPHMKAAHEEAKKKASRCRNIFVLCKGRFGTEND
KDVPQPHCREYLSLLMQLGNLSMHSKQLKTARKSFLECMELDSSESPITPARCQLMRLYM
EANRPDSARRLWEKLSPTDPSVWIRYSAVLIEYVSNLLEEEGSSEQNCIDRMVEAIKSN
IFCAYYIAFFDDFYQVMEYVDEIEDAHESPLEEAIEYCNSEQLGAWKGTGAMWAKRF
LLRLVNDSTHGRYGISASDLDRKAI SDTREMHPSSSSVSDDESVDVEIIQICLRRL
WKCSKILAL

>comp13290_c0_seq1; 667 167 1582 LEN=1893; translated
MLAASSTVNVKTEDSQPTVPLLPVGANGAPAHRIQALAPTSIPPPSSAPVAPPASAAPP
PASAGVGAPGNPQHPHVAEFLYQLTKMLTDDNNEIEWVDGRIKVFHFERLESEVLHKY
FRHSKFASFQRQLNYFGFRKIAGKGMSPCSYVNESATSDIRSLLLIKRKTNGSAARKAM
AQRALNLGGGMNPAIGLPLAGTGGFALGVGAVAFPMVNQQLQFQKQLGLGVGLVD
NNPNNVLSQLLIQNQRQSLQDLQQLGLKTSAPSIEQLQAQIATLTKKQSEAGVNNP
AAALNLASGGAASAAMGLSQFQQTSDNPATAALNASVNAPP SAMPATAAMNINAAAQSN
NFFESATNLKALIGNDLSMNDQKQLGPASALNNLIPNGASMGNLLASSNRLSSLLSLNS
FLSREPSLADLAMIPNGAAQFAVLQQQANAAAPTVAHDMSQTQANANNPSS

>comp13291_c0_seq1; 258 202 1428 LEN=2083; translated
MVEDRFMKTPPRSQQKCHASITRSPFRTPARTPSRNLRSSHRKLRMTSPSTISRYPST
QRITPTGSSYCGTSGGDRFIPSRRLNIDICRKKLLSADDDNVKGKNSVNDTNDVSGDG
GEEKAQKPAETPVQKEYKRRMLSSLCNVPLDMLDDDAQPRGILNFGAQNSSTTKENNPSS
CERSPWQKNRIRLEDPYSHDSLRLVQHFESIDDRFSSAIRSADV INRKIPSQPCRILDAP
DLVDDYYLNLISWSADNILAVALAHCVYLWNAAGSGEIHHLTTIEGDDDYVTSVSWCTIPG
QSKYLAIGTNSHKVQLWDTQASRLVRI LRHSGRVASMAWNQNLWSSGGRDSMILQHDVR
SGNHVVARYKAHEQEVCGLKWNMGFFLTSFVFGDFLGPIDFAPYTHIF

>comp13291_c0_seq2; 289 202 1920 LEN=1992; translated
MVEDRFMKTPPRSQQKCHASITRSPFRTPARTPSRNLRSSHRKLRMTSPSTISRYPST
QRITPTGSSYCGTSGGDRFIPSRRLNIDICRKKLLSADDDNVKGKNSVNDTNDVSGDG
GEEKAQKPAETPVQKEYKRRMLSSLCNVPLDMLDDDAQPRGILNFGAQNSSTTKENNPSS
CERSPWQKNRIRLEDPYSHDSLRLVQHFESIDDRFSSAIRSADV INRKIPSQPCRILDAP
DLVDDYYLNLISWSADNILAVALAHCVYLWNAAGSGEIHHLTTIEGDDDYVTSVSWCTIPG
QSKYLAIGTNSHKVQLWDTQASRLVRI LRHSGRVASMAWNQNLWSSGGRDSMILQHDVR
SGNHVVARYKAHEQEVCGLKWNEDGTNLASGGNENFLCIWDASMSRRSRSNMFSSDISPR
WVLKQHKAAVKALDWCPFNRLASGGGTADRSIKLWNSNSGAMLKSIDTGSQVCSILWS
KHQRELCSSHGFSENQLILWKYGSRSSTLTKVKELTGHTRILSLACSPDGSTVVSAAADE
SLRFWNIFGSAPSRSSVLPMGDLAFGMPTIR

>comp13292_c0_seq1; 531 1 2567 LEN=2841; translated
XISSSCSFRTQTF CRTIGCLVVAKWMKSLGYGVVETYSPTDGRNGRVDSCGLYFREESWK
CSTNVTIFLDDLAAILRSSTSSENESQAQLPEAIAKKRKGKGGSSSTNSGSLKGLERSFVR
KNVALLASLEHKNTGRKVAVVVAHLFWNPAYEYVKLCQAHYIAKRADTFCKDNGIDCLVW
AGDFNSQPQGIHVQYLTKGVANAKEAAPWYTL SNVKDSLDMNAKQLQRMNISDNTVDNNI
ELNGNSPPNRYLLDYTLNRF CRWLRILGIDAALTEEEEEKERTRDSKITIFORCKDERR
SLVTTASKLLHRKDCPPGTYYLLDTKSLKNLESAIVHLLRSHGVTIEPKMLSRCVVCNGS
IKPVFDVDRRQEIFQTYKAPPEVNI EGMEVYQCNSCSQGYWWSEKPTSSASRVKSRATHL
LELCIRGGVPI SGLDGYFNHIDVKKIVSTRTESSKDI CVDEHQLDVVKWLQKELKNPLP
EMSSVYASKRTRNESLFTFNVTDFVGHLDYILCQTKAMEVSELLYVPKTFEELNDLNIA
NGHLLPSYDWP SDHLAIGCRLSLSPKQSFADNGQDETFFKKDLGHKSAISSFVSGPPSPQ
KTVNHS LDDDQYNRGHDHHDNDHGHGHHTGHTTEDDGNQDSDHDHRHDHEIHHYSERDV
DHDHKSIIKDGTDHGADQDIGHHNHYNQLDVHQHSHRINQDVYD TDGCRDHHHDHHDH
DHHHDHHDHGHHDHHDHHDHHDHSSATERPIQLQNGERCVF FEKPKSGPIPFPPGPPST
VAWCSFIDESKVDKSDLP SQPGPTTKLEIICPLTGQRCTCYGMGCLPKVPSLFEAEL
RRQYRLKQQNSNASR

>comp13292_c0_seq2; 738 70 3075 LEN=3349; translated
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ENHDDASLISQSEVNSLNEEGRNGHTRHTRQDL SII SWNVLADSYCSRSSQKKLPSKFQ
SRVFNKQRQHHRVQILRLFH TKLSPDLVALQEVDPPELVAKWMKSLGYGVVETYSPTDG
RNGRVDSCGLYFREESWK CSTNVTIFLDDLAAILRSSTSSENESQAQLPEAIAKKRKGKGS
SSSTNSGSLKGLERSFVRKNVALLASLEHKNTGRKVAVVVAHLFWNPAYEYVKLCQAHYI
AKRADTFCKDNGIDCLVWAGDFNSQPQGIHVQYLTKGVANAKEAAPWYTL SNVKDSLDMN
AKQLQRMNISDNTVDNNI ELNGNSPPNRYLLDYTLNRF CRWLRILGIDAALTEEEEEKE
RTRDSKITIFORCKDERRSLVTTASKLLHRKDCPPGTYYLLDTKSLKNLESAIVHLLRSHG

FHGERWSVHNVSNDPALEHLGEVVANATLGDIIHSVVLFGEDGGEAGGEL
>comp13293_c0_seq1; 565 189 1856 LEN=2105; translated
MAERSQSNFKMMAMVVFVAVLSMLSIVRDTSTLRKYHGDDSI LGNTTISHPRVTYSQSIP
PAEQ LINPKNIPSFMTNYFKWHRRLQLEQIHDDEEKVAENGI RADDHDFLENYRFLVLRCA
GNDRCGGLSDRLKAFPLFIWYAATTNRILFIRWGS DRPAPIETFMKPGNFWNWTVPDALM
RKIKMLDENDNNNGNSRGRFTRLYFESGNKSGRKNMNRISDQSIWMVEGNEYSSGGQYLYQ
RALSEALKGESSLSSENNSPHTSDFL SASKLQPRVDYKNFYHDLFHATFRPSSSVSKH
LDAYFYNRADYTVDDNNGIGNKTLEETGDDALFSLASKSWLP I PLQRNQYAVAHYRAKYP
GEPFRETQNR TVLRETTI HAVECAKTRVGH SRTQDNSQNNRHSSSVASERVS AVYMASDT
ALVVEAAREAYVSLNDSGSKDGDHEKDSLNVWTYLDLQSYDTDY NIAASDGIGQIKTKNT
IALAEDPPHLNFAKPDHLSTFFYSIFVDLFLMSYSNCVVY GAGGFGR LGSLVSYRPRCGMA
FTENQGV LQQCDPYD
>comp13293_c0_seq2; 462 189 1457 LEN=2249; translated
MAERSQSNFKMMAMVVFVAVLSMLSIVRDTSTLRKYHGDDSI LGNTTISHPRVTYSQSIP
PAEQ LINPKNIPSFMTNYFKWHRRLQLEQIHDDEEKVAENGI RADDHDFLENYRFLVLRCA
GNDRCGGLSDRLKAFPLFIWYAATTNRILFIRWGS DRPAPIETFMKPGNFWNWTVPDALM
RKIKMLDENDNNNGNSRGRFTRLYFESGNKSGRKNMNRISDQSIWMVEGNEYSSGGQYLYQ
RALSEALKGESSLSSENNSPHTSDFL SASKLQPRVDYKNFYHDLFHATFRPSSSVSKH
LDAYFYNRADYTVDDNNGIGNKTLEETGDDALFSLASKSWLP I PLQRNQYAVAHYRAKYP
GEPFRETQNR TVLRETTI HAVECAKTRVGH SRTQDNSQNNRHSSSVASERVS AVYMASDT
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>comp13294_c0_seq1; 450 112 1413 LEN=1446; translated
MNIATGTRSSKFL LQSRSSSSIVATTGGTRTPESSAGAKEKRSTIRSM DRSTARLSRAL
FFWTTCSVHCF SATNSPPMGGSFYLS CSIGPKRTAGTTL LRPAWSRHGNRNDGDLV LSS
LFAPRTAATIYRQSTRNTKRFSSSSSTTTSSSKDNEDKLSAEVLADQLSKSRYSKIVALV
GAGASCSAGIPDFRTPGTGLYDQLSEYNLPFPEAIFDLGYYKKNPMPFVDLCKAIWPGQE
SGPKPTLSHNFLKLLLEEKDLLHRIY TQNI DGLEALAGVSTDKLVECHGHFRSSSCVACGA
KMPTGECRDSMVAQ GKAPRCGEGCSLVKPDIVFFGEEMPQRF CERIDGDVAGCDLLLV LG
TSLMMPVAGIPSWVAPDCPRVLLNRERVGGIGGGRSRTSDFL FLEGDCDDSVRKLCDLA
GWTEDLERLGGVQ
>comp13294_c0_seq2; 448 112 1413 LEN=1466; translated
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FFWTTCSVHCF SATNSPPMGGSFYLS CSIGPKRTAGTTL LRPAWSRHGNRNDGDLV LSS
LFAPRTAATIYRQSTRNTKRFSSSSSTTTSSSKDNEDKLSAEVLADQLSKSRYSKIVALV
GAGASCSAGIPDFRTPGTGLYDQLSEYNLPFPEAIFDLGYYKKNPMPFVDLCKAIWPGQE
SGPKPTLSHNFLKLLLEEKDLLHRIY TQNI DGLEALAGVSTDKLVECHGHFRSSSCVACGA
KMPTGECRDSMVAQ GKAPRCGEGCSLVKPDIVFFGEEMPQRF CERIDGDVAGCDLLLV LG
TSLMMPVAGIPSWVAPDCPRVLLNRERVGGIGGGRSRTSDFL FLEGDCDDSVRKLCDLA
GWTEDLERLGGVH
>comp13295_c0_seq1; 436 201 1163 LEN=1353; translated
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CNLAYSVLSAMSSFPSDNDDLIYEALSNCLVRRVLFITGAVDMKGLPPPDRGEAVF IGRS
NVGKSSLVNMITNRKSLAYTSKTPGKTQQFNFFAVNDKPGREKEIRYGDKVDGKKDDDSF
YLVDLPGFGFAKVPDEQKQWSSFMGEYLNQRKNLKVVFH LIDSRHGPIDEDNNIMKQVG
ENLPANVAYVVVLT KSDKNVKGSSSKNRKAGKVSVDVMNRLRDVMRENNV GKAPVLLTSA
ETKLGRDDIWRYLRRAAEGK
>comp13295_c0_seq2; 635 431 2275 LEN=2465; translated
MTLEKLFISRLVVT L AVLVLHINALSNHDAFSTSGSSIGH SVGTNSIHRSTTRSASIV
RRQANVASEILMSQIKDEEERKASAAAATEVPASPSTESKPQKRRRPRSERKALEREKK
ARKQNNKKNKQKYYKLHSTAVS QLTQSSTADEVVQAIKRAQKNHDDHDLRVIANFLID
ECDVGFAYGIRGSL LARLAVAAALRWENHEVARRAIDIRRL EYRASMQPMESAALIRGLLR
VHNVTDALGMIADELSLPM DGS DLETDENHEKIKHRARSLASVASRH LFE GEP SMAVMAL
QMLKDMGPMARYLTVEELDIPWLRLLSGAAQCETGRRKGDIQPCEGLAESVELPCNLAYS
VLSAMSSFPSDNDDLIYEALSNCLVRRVLFITGAVDMKGLPPPDRGEAVF IGRSNV GKS
LVNMITNRKSLAYTSKTPGKTQQFNFFAVNDKPGREKEIRYGDKVDGKKDDDSFYLV DLP
GFGFAKVPDEQKQWSSFMGEYLNQRKNLKVVFH LIDSRHGPIDEDNNIMKQVGENLPAN
VAYVVVLT KSDKNVKGSSSKNRKAGKVSVDVMNRLRDVMRENNV GKAPVLLTSAETKLGR
DDIWRYLRRAAEGK
>comp13295_c0_seq3; 635 468 2312 LEN=2502; translated
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RRQANVASEILMSQIKDEEERKASAAAATEVPASPSTESKPQGKRRRPRSERKALEREKK
ARKQNNKKNNKQKYYKLHSTAVSOLTQSSTADEVVQAIKRAQKNHDDHDLRVIANFLID
ECDVGFAYGYRGSLLARLAVAALRWENHEVARRAIDIRRLEYRASMQPMESAALIRGLLR
VHNVTDALGMIADELSLPMDSLETDENHEKIKHRARSLASVASRHLFEGEP SMAVMAL
QMLKDMGPMARYLTVEELDIPWLRLLSGAAQCETGRRKGDIQCEGLAESVELPCNLAYS
VLSAMSSFPDNDLLIYEALSNCLVRRVLFITGAVDMKGLPPDRGEAVF IGRSNVKGSS
LVNMI TNRKSLAYTSKTPGKTQQFNFFAVNDKPGREKEIRYGDKVDGKKDDDSFYLVDL
GFGFAKVPDEQKQWSSFMGEYLQNRKNLKVVFHLIDSRHGPIEDNNIMKQVGENLPAN
VAYVVVLTKSDKNVKGSSSKNRKAGKVSVDVMNRLRDVMRENNVVKAPVLLTSAETKLR
DDIWRYLRRAAEGK

>comp13296_c0_seq2; 425 392 765 LEN=765; translated
MPQTKRRFADDDPSDEVDSEEDYQVPMRGGGKGFMRPGGKGMGKQLRYAPPDDDDSD
DDDDSDDDDDSDSEEEAPAPIRPVQRGGGKALMRPSGGKQLRPPQDDSDDDDEELED
DDDDX

>comp13296_c0_seq3; 725 520 3145 LEN=3145; translated
MPSSELCYPGSGRPSAPESGRSGSPKRRSRARPPVSYGTTISNGGVPTVVALKGGVVRGGH
SVVASYKPRNVQQPLGLSPGDYTSSGDGRLQAGGNGNININSNSGSQSGSRGTVHPEFW
PKGLTNVGNTCYANAALQCLLSTALTSALLDPKTMPI LRRYSSNP NLLAMSGSVSDSSDD
ENDDSDDDGCLSIDNDIDEEEDGIFLDSKGVALSFSPTQGASKSDLARKTEKRAAK
AKKKKKREARKAKAENAARKEREQRMEETCKWLTRELTSIAQEYTESSTSLRQSPVG
GSSIGKTSFVGLWSSYSQTLGIGGQEKQDSHGVMNPGSITRHPNRLSQCLNPYQQEDA
HEFMRALLSNLVMNGHNRQLSSLF DGLLESSVTCQTCGRASLTRDRYMDLSVDINDVDIT
TLDDALFEFTKDELLEDNAVFCQRCRKKQSVTKGLRLATAPSILVVHLKRFAFN DYGR
VRLHKRIEFPQRLEIGDYMSNLNKARPPAYELVGVLVHQGQTCASGHYLSFVKKMEWFK
CNDSEVSKVEESTVMMQQAYILMYEVS GMRENTCFRPKTLRKESSIMSTIESSDDATLPR
EDFSVCGTHWSASDKTSSGRSGSNREGLGTYGNPF GTDHPKSIIRGKHESTTESILRVLSE
AGGRLISDICCDSGMREPEAHVLEDRHFHKHSDDFNFN LGHRRHFNSGRYAHECESVDT
QDSLIRRQALLSGRAPNPINVLEVQPKRKRTRGSHRSQTAPRQRGETHPASRYSSFTPRLD
ANGQPPFRKFP SNGNLVALDD SXVDLLAEHADEAEQGLAPVPAVQGLVQAGESRGRFCFC
FGRLSTAEPREDAPQALAAAVGKAQGT HARTHSPPP

>comp13297_c0_seq1; 341 213 1406 LEN=1442; translated
MPRPPEPPVPGRPNRSANRGTRAEELFAAALSSLAEDAAAVRQLSDVANLLAAGGADAG
EQRERLTGLDRAIAAVETRVGALRQILNEEKA AVARFETILAQEASSQAELIGALLATMD
RKRREEEQDGHGQHRDSDAKTPGKEVGS DQNHGARHFN GADGSLIGSNSGEHHSYSGAP
QPRSGRRALHARSPGVANAAPNSNS SRHPSQRIRNHARKKPNSSIETKNSSRDGENVNPT
ETGSYESEDGGDHP SFLPVTEELRLQLRFGPHLCRYDINEALEEIREVV RKKTALDRSL
GAGHQHGR TTNSLQRRFEYLRQRQRQ NAGSSLEECETDAHRGHDWVSEQELRENC AFFRH
GESTARATLQLLCSLKR LRQVPGRGSGVVTYLCLFAR

>comp13298_c0_seq1; 582 185 1750 LEN=1750; translated
MKGKASLSVLHSLAMLAI AASSSTGAVVETETLPSTSRRLVQTIGTLKTLVIRIVDADG
IAPKADVEQLVNDIFEDDACLSQIEACSYQK LKIEPFSGLTDTNVSITNGVVEVTVDHQ
ISINNNAGDLRGAAMTAATAKLG NLETNDKYNLIMYCMPPGTYEKGNELNIAYPK KSSF
YNDESCSSVSSQLQSVGMNMLAPSGYIMDGT LKKWGDKSGAMGSSNMEDDQRLCYNPAK
SYQLGWYDDQVDTIDPLGVELGPVRSFV FNGVADYDLEKTS LIVLRLEQTALLDY IGYN
RQHGINKDTMEDGD RITIVRKE SDGKSTKVASLFPGQSYTIEMFNDDR DVEIRFSGLKNG
LRDAIVEVIDIQNRDIVEDLPCANYTIEFTTDDY PKDTAWYIVKEDDSGGEIALASSPEF
EGQKNLTSTQVCLPYGSKCNFVLDI WGDGLQGGSYRALDPDGT VVFSYEGRVQFKR KIE
SFEVEGTTTPSPDSEKPS PPSPDQGTDFDPTSGNRTPMPTL

>comp13299_c0_seq1; 284 338 1042 LEN=1256; translated
MSAGWWSLPQNPAPWTTALGVLAALWYSGVFRSVSFR RATLGPCVFFYRTGRGPYSGVG
PMFAEVEALWKQWEGRAGFGGEQDHEQDHEHHPAGIYYDDPKTSPPSDLRYAVGFLWTG
GTRRASAI REELGRSEESSSSVSNKNHKT PWNRLDIPATPTVAAAFPNRLGVGSVVL SAI
KTYAAFERQKEFSLESGAVEVYWPDRIV THFPQGNHDLFCPRDEPQAATAGKAN

>comp13300_c0_seq1; 1037 48 4248 LEN=4248; translated
MKA VRASSGIRKNDARDITGPGASASS EAKRSVTPAVTPPTTVELRGISIHFFPKPYKC
QEDYMAKVL DALIRSENALLE SPTGTGKTLCLLCSTLAWQREQARILKSQSGRDTIPAAT
QPGLTSSSAQETQNQRKRRVPTIIYASRTHS QLSQVVRELRNTRYRPHAVLGSREQMCV
NPKVKPNGTSNASAINHDCSVLIKDRRCKFKNNLEGFKAPSNESSSQGAWHGTQPVMDM
EDLVTMGKTHQVCFYYTRGQTEDAELVLLPYNYLFDKDSRATTLADIPWDNSVVI FDEA
HNLESFASASFDLSSKDIAGCMNEIDKALAL SEAYPDRFMNIKTQNLRLKTLFLNLE

EYLLKKLPQQSTAYQGERIMEIFRQGASVNYNNYTLVLDEIKKIFDMFMEIRGGNSKGAP
MLEHFSQCVRVFGETTESRCLAKAQSRYVHLTQTNNVALNNTTSGSKGKYEKAGNGGRI
LSYWCFAPEAMRELANLNVRSILVTSGLTSPLESYALELDIPFNRLNPHIIAPHQIH
VRVMGRGVS NKVLTSSYERRQNDYVELGNTLASLSRVIPCGMLVFFPSYGVMEITSIER
WGGPASSRSQNTNPNPFFAARKKNGGGSGNTTRYSPRLATGYNQTHSTPWKRLLSHK
AVVVEPRSTSDLPDAIDEFHKFLNLPNSKGVALFGVCRGKISEGIDFSHDMCRAVIITGL
PFAPSFDPKVKMKREFLDQKKAKQNTKASTNGGFGSRGETNANSLSLGHWDWYTQQAHRV
NQAIGRVIRNKRDYGAVLLMDSRFGLPGNQGLSKWVRPHILPDEGFGRANQNLAQFYIK
ARENAKKEAELAIQQSANADPTNVSIIILKYEDEGKENDQLQAMANDDDITKVAFIRKDS
VAIESGENTVSNDENYVDPQRIIVRVMDKMSSEEDVSSALAASSAKSIQKIKPNPVQKPS
EPSSTSDKHKPKIISGKNPPVSTAVQFFHLVKSSTTPDEFDSIKKSTILLKKYEQMKFRK
DFICAARSIIGIILNHEQLNNCSTRYKPKILLLLKLIPKHFVKDVEQVTVDLTFRKSI
RKELKSNVSKKYMKFHMEFVMLLQKAWFGESSRKNDEHFVQNLGKLIGNIVESHRVTTL
ALTQLIDVVPYELQRLSKALIEEVIASSNSVKIRAGEKARMGEDSVKVEYFRKNYLTEKG
KSLSTTQDEGGEGHATSSTSMKPESQIHRSKTLKSEVDSRSNSQVSTKMKAVNPNYAKPN
RKKRPQPSTTKNPTKSAGSITGHGKPNISLTKRKGILEQRKDAPAVMSSPSSLKSIILIQS
RADTFAGQTKMKRSTSFPTNAPKDVTCGICDMPLEENVYISECGHMACLQCWKRWLKGNAS
CPTCRKPTTMKSIALAVFKGX

>comp13301_c0_seq1; 321 1 1280 LEN=1471; translated
XDELIEMARLRDGEARGGLLSSVLGPVGSLLSAVASLALADDGSGVVYNEGTVQLICADS
IAHNILLPPEVLAARAGETRANGGGGNEGSDSDSEGRGGSFDEGDCDGGSEDQTPILRI
VSPGDSVYHKILAVFGDRDILDPTGRIDRLKLGAIIFSDRNERRKLNKITHPRILSVLL
KKLVRSVFFGYADITMGDLPLLFESGKLSWLFVGTICVTTSEETQLARLVERNPELPREE
CLARIASQMSLSRKETLADIVIDNNGDLDDLREQVEEARRDVMGRLYXDRDPAADAPPD
RGLDLDRGVVQXSIPTGSNDEPGENVPAKGRNTRDRRCGFWETKRNETTMLAHSTKRISD
PVGLATKFDSWLCFERIEIVQTVSGFVIVLCERQTQSAKEKEPNIFATQPQLGVLHEKR
ARFQQRI

>comp13302_c0_seq1; 479 309 2051 LEN=2320; translated
MLSFSSEQSPLLKSSKDQGRGLGSVKNKPNKKDFQEPTKEKTVVRDKSTTHNKSADNA
TIYTLAFVVFVQAYLLEGVFPYAGFLTMRLLSCKNNGYENDSSCSTKHAIDEENVGKYAG
FVACCFMVGRTVTAVAWGKIADTYGRVFLVKVSLVASAITSIGFGFAKTYWEALLWRFLM
GFANGITGTIKLLSEIRASSGSQTKETKTMAIVYGMRGYGFLICPGITGYLSDPIKQYP
STMASVMRPIKSLRAYPFVLPNILACGLCILACLLVKNHVDETLPNEKCEPFPSFFTAA
QGILCRYLPGCNDNTTGSCHKDSVQRELHGHTILPDTDKMSGGNI IETGVQEMNSEPSITTK
DLLWNSKHGSAKRKIRCRWYHLYAYWMSYFLNIATDELFPFLFCLSKLSGLGLKEKQISF
LLAGSTVYFGLLQYLLLTGLVRLNGLYPTLRVGI FWSIPLGFLIPLASRLIKKDNVTGS
CYKGDQDPAQSIAGPLLILYLCLFLIAVIKSFSSVVSALNMAINRTVDTIDQRATLNGI
ASLGGSLAKACGPLFAGFLFSFLAGDTKDLTFATSTEIR

>comp13303_c0_seq1; 196 404 803 LEN=1354; translated
MCVSRKNTVGGRWLGGGLGVGDSAWLNSASSSLELRAVLNQLHLPGSVVPCCACTANPKY
PNNNKTLGSMHAVLVSSGFLSVASKKNGAVNLPVMPPTPEEDPHGAAAEDRGGSSNEKE
CPCFCLDGKPGA

>comp13304_c0_seq1; 96 1 741 LEN=1379; translated
XFYFVPPYFTQLQDIEHVISDVERYAIAIVTDDRKCSEYDTGNLVLHRTTLLGVRKCRKN
GRINSLAXENLIMEIQSGMLIPIGTIIILVILLQISFWFPTAERKERVSEDEKTKTTANTTS
IAPDDPRVASPSSDEKSSTPQETTDEKQGRGIITRIIPQKNIAPENFQCVFITDDKPGEQ
TLSPENGNKLTPRSNDRGQNNVSTLGKRSVWKCSCELGFPLPAGMLKTFGNAEAIMRLGVG
QCYHKKS

>comp13305_c0_seq1; 356 174 773 LEN=2113; translated
MIVTNRSRFFHRQYVFLAVGCLLHAHRIGLDSFFTEAAPDKSSGGNEWSHTNYPPHNRL
RQKEEGFLSKDYDPNVDNSNRNSGGEGEDDENLLIQIIESEVWDTTENRWKGAAVGDGTG
GGNRWTNEKGHLSPSPTAIVPPDGFLEFLGEWKIVVSSSSNNGSNSAGNNGMAGGGAVGGD
SKGWGYQFQYLQPPIRRIW

>comp13306_c0_seq1; 536 77 850 LEN=1424; translated
MKSSLQSTLRASAIAMVMANPTVGFAPTKPVATRIPPARGASLVPRNALLNLPDANEL
STAPFMKQVGYGSEMAATLRALNENGEDVSAYDTIKTSLEAQLSHSDGIRGFMVAYLTAT
DGDDIEDEKDPKLLLETLHGLLASSSSSEDLVSLMCMNVMPVAMITMHQDPALSEASRM
TAARGRLLASVLESSPSIRANAEAIGKAASGERGFDAAEPKLVVDYWKEFFGKWGYEDPQ
KQDIAATMKELLAAPPQ

>comp13307_c0_seq1; 286 1 1158 LEN=1341; translated

QPHQRTKKQMVPMLLLGIFTRGAAIASLIVISADITGAFSAGGLRGALRTSADSCTLRS
LSQSTTESPEGETASASGTRERKIAILLCPAQFCVPEDYSDLWERLPPHIELGGRDGDS
TTTRIVIDKDRSTVVPLSRRDWIKVAKQLPTQDFIDANLRVHKTLDWYFEAIEDGLKEII
DGSSDVGICLVGHSIGGWVGRAYLGLARSSTAVSRIVKDTNMISFITLGTPHESP
ALVDQTRGLLREIAETPDCSSAALADERGIDITCVCSSSLPGNFFTTNVEEFVAASSYLP
LLGKTDGVSVKGDGIVPLDLAFMEEPARKVVVSECPTTGRPIRHIHVLPTPWNLWDASAKS
IPLDDTDATSYTATEIVA EWAKFIR
>comp13308_c0_seq1; 323 79 1299 LEN=1299; translated
MAPDSSSTGGLETSLLAESIIVCGGESNDGNSNRGNADGSSSEIPQGCRFSPDGTCLLTAR
GSRLEIYNTPYEGEVCTEGDGDKNDDGNEKRPRWTPAITCHSGESVRSYAWYPHMKSSDP
ATCCFLGASRDSPVHLYDAYDGSIRATYRPNGLDEMESPITLCAESGRKIVTGGLRTD
RVLHVFDVNRPGREHSQPLIRLKGTRRSRDGQKGLGSAMAYS DATGVLALGTYS PGSIYL
YDLRTYTKSAVAEIVVSPSATSGGTVCVSGHGKKGTTTRKKNKRKRFAAPASEGVEEALPS
IDFSAAKLRWYQSRTRGGVTQVEFGDGGTSLFSASRRSGAVLQWDLRKLSSSNACPGIAS
FATDNDTNQRIEFAVYGGSGLDGGQGRVRTGVLAPGIEREQQQQQQQX
>comp13309_c0_seq1; 1112 16 2427 LEN=2903; translated
MVKMVSAPMISYRLISKIFLCVIVVAITGVVTGESTLNDYEHEVELAVKTATKALQHEID
SLQGQIDLFEMKHETLQAASEHFRVQSRSLKSKLDDERSRYESLESEKRSLEASIESKIA
SALQGQKARFEDTIAAEHTDQKLRKEIQELGEKLRSEYNFMSLEE QMKEKMMVVESKR
YELLLGKKKISEEKLSTEINDLTERLSFSEKQAKSFEESLKRAILEVEEKDDFLQKESEN
RMEEADRWEKRMKKQIAESQKLYKEKQSKEEFIESEKLRKSLLEKVQTS EGAIKKMERK
VRALT TENKELQDELVDGSFELESSRKKTKQLIEENSEMTKAYNAALEKLSTKNSSLQNE
LVEMKFESEESHTE TELLKKRIKEEIVKKEKMQEELLLVEFQLDKNKELEDRLNNKNKEL
QQMYNQIEERLEEREMKMLDYKQQQSSLN YAEKLEGTIQDLERKVEDLTEQLESRLNHQ
INATESRSIELSRMYESMKEKN DALSRDLYTANEKLINVQSSHQNQVDSFSQNLK FVSLQ
LEEKNKALKECDNELRDTQAKYPEIIQDNAAEKKGPVEKEQKLVVEEPVADELKTEAEFE
ENQSAEQDIDETEIKIEQKPLL NKTAVVDETSAKEEDATSDSETSSGFDMIFTVFRWLD
YSLYKILRVIVDSALFLANILWKISSHFDTGRLAGPFKPFELISWALNEFRIIHYALVS
LFEFEMTFVSSLSVREKDRTGFAFLINHSEMMVMLGEAIAALLCVDFV FSSIKNQQRVRR
QRRPQTIPVPPKATTSLLRKANM
>comp13310_c0_seq1; 214 1 1057 LEN=1092; translated
XNPFTHPIQTPHQTKPDERRQQRSDPMASLAVAAAGNAGRRALCGAGLLRTAAGRKNN
ASVAFDAVVAPAGPAPLRVRRRASAHQAQSQSHTRPLPDP SLVDDREPPFGYHHHQRP
VVPYGVVTKEEAAAIEGHV LGGPSMRRKRYEAGHWDSVISLYKETELHGLEGAAGNDTSA
ELSGVFARIRSLLEEDHLSALYDQSEPVRWLPCHAIDLKREGELRAHVDSVRFSGHLVAG
LSLRSTAVMRLVPDPDAKSDAKSDARDGGRVDLLLP RSLYVLTGAGRYEYSHELLPDGA
AFGEGTNKEXPRPEGPAAEHHL SGRQARPGGEHPLTRRPGSAAPRLLAQEA
>comp13311_c0_seq1; 243 138 1133 LEN=1443; translated
MNHRTIFRQCSRFLPANLSFPSRRKVRVRLDVP SRFSRQFSSLVSWDVEESSDKKTI
GIITLRS PETYNLSSEEMADEFRDLMFQLEDDLSDTEGNSINKNVGAI VLRGEGDKAFSA
GGNLKFLQSKKENS VHANVDGMLRFYKSF LCVREKIPVPVIGALHGPVAVGAGACLALACE
MRVVASGDRPILGF PFSKLGIP TGMGALHLLQNSSKLSNTQAGEILFLGKTLTGEEALDC
GLANRLVPKERVKEEAKQLALEIARTGHPVAIRSMARSMRLATDHGSGSLADCMYRDAHA
QAMCYNREDWGEGLRAAKTKRDP SFADYHSK
>comp13312_c0_seq1; 276 857 1480 LEN=2079; translated
MPLSVLQ TILEAICWGLLALMVALSMEMTSKCILILVPSTQWKRRLSL FNKAVGPMLISC
FAYAARSIWLALACFDRDRRDSWAWWISFTWGPTVIVSVMLLYSTRKRDSVAEEVVS IEN
NVTGSIDDETTTHSLQQSLLRPQPPEEAFRAFHRFRHGEDEMND SFSLSSPTPRRNILDT
EMEDQELHSSVDNAHSIDDEANGSEV
>comp13313_c0_seq1; 380 315 2291 LEN=2291; minus strand; translated
MISYVLVPEAGIADLIKAIHQ RPSGCSCVCSFCNFDRFVSR LRFHFWLAIWTVAVLII
ASNEIMDVFLNFAAMNFASDIDEKAFELAQKGVFGEK LKKEAKSIADGEAEPEEQKEVKA
HRTGMALVGTFFSLMFLLDASPV TLMGVLRVLPYPIFMEEKWPSIEDKQKRSAAITLVI
EKGF DASSDAKYGNVQVGATVEDFWPLLT KXVIASISPD SLAPTSSEQ LGSVDPNFP EE
TAGLRIVLIAIDIAIAIAIAGFAARSGSLVAEEVVVSQRQAPAPRRRVL PAVQDRPDP
VQGQASGRVAKVDQADPFLPRGAHHPVPRGRPGDQGIGVVVLVVLVVLAPVAFAGRGG
AGVGAAEDEARHVAHVDDAPPAMALSPYGG LCFGFGFTDVPDPAVGRPAVGLQPADGVLP
NHRQATPVGVLTPEGRGRRC SLLTRHG VVKDAEQVERLARVQGE GIRGKLQHDAANP
VCDPRKRPAEGLHGPLVALAGERVAVRRILAVRQPD LQALFWLHRSLAGSALG GNIDNVS
EFVGA VPDPLVSTTKNPEYFFLGRRGTRGVGHNDRAPAMDSQVSYEDVPAGFVTAIAGVA

EAQKQASLDLWNQELDYLDLLVTTALKGVSAFCEVGNRISAFFVSVXLHRNVFQPVCVLMR
CTTPTETNHRPSSWSHRKYVLRHLLRGIQKSSQPPNKTKKEELFSREVRTCTEVAEKFPKN
YYAWTHRRNLWDLFAFDEMDTGNGADGGDAEQPVGSERKREMQQEGKRRHQRYTELLET
ELVVGLWQDWLPKHPADHSAVHYSCQVLDLVLGAI AAMPTEGTGERDARIESISIAALET
VRSLLSKHSSNDYESLWILRRLTCKTLWERQPCRPEEERTAAAETPGRRLVRDDLALVL
SSTLGANGDKRPPLEEAQRQAGPSGAVEGTPIDDKNDSMHAWTFLAWCLGNLSGINERDD
EHVFTKCVGAAISGHLTATAQGRATSTPQHNVLMYTSASSP LLEMLKEGTV

>comp13318_c0_seq2; 715 78 1907 LEN=1941; translated
MAGGKEEGRSHQDYETEPSAAAGDIANNSSNNHDSSTHPGASTDLITKLLVKR VVGFL
QKPSDFAITLLPDSEPSVAGTEKVRNESPVASDSLASLSSEERTLLEASTALMTPEPNR
DAPSKHIGHLGLDARHLPQIARILRTAYFRARETFRTASLASSAPS RKT PARYWSEAE
LFRITSCLLLIQPDHVTAWADRRRCLLRLQYRGVNALDPVAYGCDNDGCVQSQTDDSEIG
EAQKQASLDLWNQELDYLDLLVTQHSKAPSSWSHRKYVLRHLLRGIQKSSQPPNKTKEE
FSREVRTCTEVAEKFPKNYYAWTHRRNLWDLFAFDEMDTGNGADGGDAEQPVGSERKRE
MQQEGKRRHQRYTELLETTELVVGLWQDWLPKHPADHSAVHYSCQVLDLVLGAI AAMPTE
GTGERDARIESISIAALETVRSLLSKHSSNDYESLWILRRLTCKTLWERQPCRPEEERT
AAAETPGRRLVRDDLALVLSSTLGANGDKRPPLEEAQRQAGPSGAVEGTPIDDKNDSMH
AWTFLAWCLGNLSGINERDDEHVFTKCVGAAISGHLTATAQGRATSTPQHNVLMYTSASS
P LLEMLKEGTV

>comp13319_c0_seq1; 711 1 3722 LEN=3907; translated
XVNIIVISTNASSQIHFNLSECRPQLTARRLRLEIELFNNDFGLEEKATARTGEEKIPRYN
PEGGAFSLVDAVSPGPTIYPSPKNRERDDIHDRNSLVFSNDHNSPVSSPKNNLPKEPSWK
RVDFVLPRAKGGKKNFVFDQKPKTNLDENLLPSVSGSNDNSQKAIK LKKSETIEDIFGNKR
HKEHNSQHQPDLFPDKETDSRKKARRGDGNELNGETESSCRKLEDAFEVANGESKNPPIDN
FVDVAIKEENLSPGSTKETSASPRNDDIKKSDEKRKSKEKARSKI SMQPTSPGQITGRT
VKEAVRDKRGLRPRANSTDGELNLPQGGLCDERMILEAHKWKSDRKYMNHSLPRGFHNLG
NTCFLNATLQCLTYLPPLCQTLIAISEDKMRNGQNGGKKKVPQGQKITSSLC SLFQQARG
LNNNSKGGEGPFAPRKVVSHLPNIGSCSRNGYKFR LGRQEDAHEFLVHLLDAMNDGELR
AAGINQNTSGWRDL PVSRLDETTFVHRI FGGYFRSQVRCRCNYSNTYDPFLDLSLEV
SKKSSTSVLKALSEFTRKETLDAANQWKCSGCKKYVCATKQLTVFRPPLTL CIQLKRFAF
DNFGFGQKYSKYSHGYGGGSKI TKPIEFPGTLQLPLSDNRSCQYTLTGIVIHVGGSSQSG
HYTAYVKKPVKNGTSQWYHMDDSEVQPV SERTVLKQRDAYVLFYCRTEVKLEFPDPPSRS
MTALEATEFGRNRARARADSF SMETSREGLKGNVNHKKECMAEELLLAESIPQPQEHETS
ERNMKDENS KKLKTTNMNPLKKIHTENIGRPTTVEKTEGTLT SPLSNGEAHSFSKVQD
DPNDSSDDSSYKSSSGNSNSADSESINGDFSDGSTE GSSSRKCHVKKTI DNKESRSASS
DDSESEMDSDDDLTS DGKMAI IDKNQSGCMSSSSKRS AK EASEYSESDNDDDDVSVSNDK
KTTE DHKQDRSYRPS THFQGSIESPDSESDRENKSSPNDKKKALGSINGKIDVHSHKSA
KNETEFSESEIDSRAESSKNGKKERSGERDMVGPAQMSQNPSPITKNANKTTVVVNNTDS
RGKVKVMLGPRKRKIWASKASALP SKAPDFQLLGNMKVSQWGD DDDDTNKNGDKPIAPTK
KSEASQVHCKRKTII DKIDKQNRVRKRKMHLDRWDSHLDQ GKQKVKSEKSAPIEASSM
DPKKNVFQRIQSSVQRM SRGKQKGS SSVFRRKSKKTRARF

>comp13320_c0_seq1; 152 453 1551 LEN=1551; translated
MTLATRFSGGLLFLCLLCCALPPAAHSYVPPRSPLAF AKAAPTPTAGNKSRSRRKSPL
SVGAGADYFGEREDPPAPAADPSIEAALGNPQHLHASEYERDAEFYRKRNEAYS KSL LKA
AKANEANS GPAPSSYGMPEGELQGASPASKGQENPLKASF DHVEASTNSLLTGRPLVALAI
FGATGMLVAYLSGFFFFLEGYIENWNPAENDQIPYWD DAEIHTIQRAVQWWGPAADGYRGN
RRALQGCSRATPEAGNEG VVQRRRLRPEVLRNRWPGPGSAGLDPIRSTEQIPMLLRFGIV
PTGKPTHVHNTVYTCTHAHIH THKRKDLRCCILGATQRVPTTDESKRGGYDLASCKNSI
IFNDYQ

>comp13321_c0_seq1; 230 331 1314 LEN=1624; translated
MWALSTILCLLAAALFWTTNALEIVIGVQKAGFWGSASKAVYLQLLPDNIMNEWVERE
GIRGLEFAAGIINGIFWIVFCIPVIEMAWTL SHNGTRSIGVNSAIMIFVLAGTWTKWF S
NVFWNGMYLSFMMLAMNFNLENWNPEIQDLQYRVDGEDGIGWRAL EMNYLVYKGLVWL
VNAVEWFLAGIFTL SFISVLRWRRQDETTFGAKWNSLGLF IGLIGVINFASEIIGAK
GHRVAWI FVVLYASLTRLVLIPLWII VLG FQLPNASSKSFDSAALAELELVENQPEE
SDHN PASFTI DDDDAVVVPKGPSSPPPEAFSPSSTKL

>comp13322_c0_seq1; 347 161 940 LEN=1336; translated
MSRRGPSSPTKHVFLFLACCCCR L AVLAVLSGPPTLGVLAFAS TSTSSTSTRPGS
FSTLGMTPTE TPPVPSEATTSGDMRFGKFLIPNASVFCRTPASSTGLPSPSAAAF
AFVNL RP IVP GHVLVAPIRVVPHLSDLTEEEYT NLWGLVRTVQSVLKKAHAGTTAF
NVAVQDGRAAGQSV

PHVHVHILPRNSKDFERNDDVYDALEAWAPTEAMASAKKDEPSTDMEVPDDADRMDRTVQ
AMADEAAVYRGLLDGDTSE

>comp13323_c0_seq1; 397 382 2328 LEN=2710; translated
MDAQYAYRNDTPLLRLDGLLSQDEQRTKIALSQIEKLDPSFRYLHFFVRTVQANANEYSS
HASSGSNSNENGNCLLDCSPLRSASALETIVRRLTLTIQPHLAQVSSKSDGSLPLHFAASI
GNIRIAALLDCYREALTHNTKGIPLHYAAREGRTEMVNFLLRIVPSCAAVLTKKSKL
ALHFAAGEGHVAVARSLLRVYPAGAILPSKKGKIAIHFAARWGHIEIARDLYRLYPESIQ
TQDYDGSNPLHDATREGQLEMAKFLVEVCPAVMTKSNLRGEIPLFSAIRSGNLQLCAFLI
RVWPESEGKRVLETISDPDDVTSWELPILDCLRGAVANFNLSLSPQERSYIEDSGSGIFSR
GHNESNNNIDGESVNYQIFGHGVLIIHQHQNGGLIYCSQRPNLQTQEFPRDSGDRMSRI
ASETSLEVASISDASNYITTI PPPRLPTDLDISLPRSKSPVLNTEACFKKRSASNGKNGN
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>comp13325_c0_seq2; 2106 1 7168 LEN=7182; translated
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IVSTLPKILSHSNKKIRDTGIEIVAFCRSFGSKDPLESIEKMQKSRVKELDALLSKRA
DPIILPKTGLRCQSTSAAGTGASCAEDVFAALKAGSEEQRKQEFANRPAVKLMVEISKYNY
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AMGVLGMLAQGVGKLYPNLRPLLPKLLQLTKDKKLTKAVSACLDAFFGNVLYGHEHLLDD
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DSDANVRKSALKILTSLQKVDDDEVQTAMHRIVDNLQKSNPRAYKTLKNGSKAPAKSAI
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SNDEDMSYEEAMTRCKSLGIPLWDEPDENEGGVLVGMQSSKWQSRNNSIQEIMGFVKTC
PPHEDHAKVQNDSNALLFVVKSHTKNFKESNIVLARSILELFSALCEYHERSRCQFARSS
VIDATALAVGKIADRKLSVFSKTLLSALCVVHPPEDVLVSACDNIKQRSPLAHEEFVW
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SIKDAASLREEFEKIFSENPFDSLSSTKEWPRSYILSSAGEDNHGEQCITGPGMQFEIPKM
DLISELPSDCLSRMGSNEGNTAWKARKAALEDVEKALKGSSGLLDTSKMRPLADLLRAMR
DRLSDSQSNLKPAAKLIIGLVLSIDGEAQKLGRIYVGPILNAAMNDRKVMNDAAMEA
LRRSTSIPELNGEGLNQRSLEPFVVALTAELDGSEYKSAGIAGILAMTEPFAPHLPDLEK
ISSQRGETVGSRFASVLVNGLSSSKADIRSAAESLLSECITNNVFSMQTAKKCVSRMIPA
KORSVGMVLARISSSFTSGQVLQPTVEPSPTKPSRATKMRPSLGERAYSKSMHKSIAIHES
KPAFQPSTTRKSMPLPAVAQQTDFDEEEAFHNEGSSHPLVHDTSTTGIQKSRAAMRSLTWP
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DYNFSTPAVFEDELPAALDRLRALREKESPRSTPTKLPQMSFSSSAQGLPLRSSYKDNSSA
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>comp13325_c0_seq4; 1232 1 2579 LEN=2579; translated
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MTTLSADAVSMAALLAALTQPDTEGIRQAEVALKPIILKDNRCVPAFVEILKAKDTQPPAN
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AGGTSWPELQFQIAAAGAEQQPDAREMAFGLLQEMTDTIGMHLKSQFAP IAGLFANALVP
TEDAKVQKSAVKAVGQLLSFLADEPEIDVFAGLIPSI LEVAARNVNDDELMAVVLVDVLYD
LAYSQSVSVTVHMQPIVRFTLQCIQTQDLEMVGRVDSALVIATMAEAKPKTFGKEEAMLS
QILETLFTLIENSPDSAAGALFESNPAWRELDLENGGDEFDGDLDSPSTETSMAQGTLDMLA
CEVPKKYIFQPVVSRVQRLNSPQANHRKAGIASLGVIAEGCQEPLSDHLSLMPYVLKC
AQDPDSQVRECAFCFLGQISEHCQPAVLEYSEQILPIVFNLLDDKTVAVQATSCYVLEMF
CERLEPDAVRPLLDLVLKLAGMLGSSDKRSVQEMAVAALAATAVAEEEEFTPYVGGVAT
LMTKYMGLTDENLFSLRGRALECMGHMAI AVGRETFRPFYQVTMECACEGLTRDSTDLHE
FAYAVFANLSKVMKEEFAPALPELVPHLVSIGTDEGSLEPAEEAEKSGQFGALDDSDDE
DEDGGNYVLHVRTALLEVKKGALTAIGELASHTGAAFAPFLESVIQVLQKAATNWHPLIK
CEVADALPNMIVPSVAAYHNGEIQWTKGDTTCPNPLSQHTQALVTAVLGELMGLTKDDDS
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DVVTQAACDLVGGFCRVMGAQFGQYLPQFLPAVCEYAKSSRPARDRSMAIGWLSEVAQEL
EGTIFEHWKT VFLPATLAGLGDPAEEVKRNAAF CAGVCCEVLKESIVGDYPQILQGLEPL
FGMDASNGDATAACVDNAAACVARMIMAQPASVMPQVLPAMLRLPLKTDMTENETIYN
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>comp13329_c0_seq2; 1203 72 3320 LEN=3463; translated

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AGGTSWPELQFQIAAAGAEQQPDAREMAFGLLQEMTDTIGMHLKSQFAP IAGLFANALVP
TEDAKVQKSAVKAVGQLLSFLADEPEIDVFAGLIPSI LEVAARNVNDDELMAVVLVDVLYD
LAYSQSVSVTVHMQPIVRFTLQCIQTQDLEMVGRVDSALVIATMAEAKPKTFGKEEAMLS
QILETLFTLIENSPDSAAGALFESNPAWRELDLENGGDEFDGDLDSPSTETSMAQGTLDMLA
CEVPKKYIFQPVVSRVQRLNSPQANHRKAGIASLGVIAEGCQEPLSDHLSLMPYVLKC
AQDPDSQVRECAFCFLGQISEHCQPAVLEYSEQILPIVFNLLDDKTVAVQATSCYVLEMF
CERLEPDAVRPLLDLVLKLAGMLGSSDKRSVQEMAVAALAATAVAEEEEFTPYVGGVAT
LMTKYMGLTDENLFSLRGRALECMGHMAI AVGRETFRPFYQVTMECACEGLTRDSTDLHE
FAYAVFANLSKVMKEEFAPALPELVPHLVSIGTDEGSLEPAEEAEKRDLOSLLF TTPQS
GQFGALDDSDDEDEDGGNYVLHVRTALLEVKKGALTAIGELASHTGAAFAPFLESVIQVL
QKAATNWHPLIKCEVADALPNMIVPSVAAYHNGEIQWTKGDTTCPNPLSQHTQALVTAVL
GELMGLTKDDDSNTVAKACEGIQSVIELCGPHALLPVANDCLTTAHAILTKSSPCQASEE
FLGEAPEDDDDH DVVTQAACDLVGGFCRVMGAQFGQYLPQFLPAVCEYAKSSRPARDRSMA
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DYPQILQGLEPLFGMDASNGDATAACVDNAAACVARMIMAQPASVMPQVLPAMLRLPL
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LQ

>comp13330_c0_seq1; 372 465 1037 LEN=1984; translated

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>comp13330_c0_seq2; 372 465 1037 LEN=1997; translated

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DNDKDEDEDE

>comp13331_c0_seq1; 287 184 936 LEN=1848; translated

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DDDETYKPRPSMSSFDSINQISTDIESATVVSWSRSPRFAEEIETVRVIPRKNQNGFLN
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SVLVYFLAKE

>comp13332_c0_seq1; 1177 25 4113 LEN=4179; translated

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ILRAIRDACAPFQAVATKPGKTAVNNNDNRSTESVRRSANRDNMPSKIKSLNKTENTV
LVASYDQSFPPQLQHPGFSNITPPFQKEEKAQSGKPYGGSVAVGNTCGKESGATSVINTL
QARKKSKRRIQPQQIPTTVSE SISTLAEKKLSGSTWSNVPPSSIMGPPTISNQSKGRS

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RTPPRNTNNDNSNKHQDSSAVKYEKHNMAVSPSKPSTNVSKATVEQMERLTDIYIALIEN
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LESTTAADWTPPSSDLVTGTHAIFSLPFEPDRDRNRHNFKTPVEIAVYQNREVTRDAFLSE
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NHTHGTTPTFQQALSYPGYQEFFIFLYSVNSYNFGIHLLHQVVKMSDMVSNQSSSGL
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HMQLLSFHLETFHGTFSLPKLTSLPHATIAPISQAKTDSLDRRIRLSTAAIYASSPDM
EDLCDVITNVAKASTRQEIKRKLRSIVSTAVGTEARSYFIAESPGEKVMSPLSKATWTK
SPLDKSAHGKKIHAKNKLAEFFHQHRDLKRICDFAVDQTLKTLAVEEVYVFSQVSEEL
QIGIESTETEIEEMQTRAFELSRFCFVSKMLMKNLTSSLELFCHPDMQRRVIDVATNLSIV
RGISSQSIVRGLITSSTNMVLKDKQNKENSQKTKRVEVKTEIDHAI EAATISIRNLQHG
YSRVMSTCDTILIEALERVKTVTKSVSIPRETLLREFFECILDLEPIVESIIDQLKES
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>comp13332_c0_seq2; 471 1 2200 LEN=2266; translated
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SMNYRQILANLRLVQRHASQPSSDENKVHGSHMQLLSFHLETFHGTFSLPKLTSLPHAT
IAPISQAKTDSLDRRIRLSTAAIYASSPDMEDLCDVITNVAKASTRQEIKRKLRSIVS
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KRICDFAVDQTLKTLAVEEVYVFSQVSEELQIGIESTETEIEEMQTRAFELSRFCFVSK
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NSQKTKRVEVKTEIDHAI EAATISIRNLQHGYSRVMSTCDTILIEALERVKTVTKSVS
IPRETLLREFFECILDLEPIVESIIDQLKESNTQELWIIKAFLLLENIGFISVYWRGR
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>comp13333_c0_seq1; 479 1 2119 LEN=2246; translated
XPRKDDSKPEVEDHSDLETQLQLPYLDEATWRHLPGTKRRRQGXERMVTAAGGNLGVGI
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DDVGVFQQTHRPPMTDGNINADRKNKRKPSRTPNIDKAAMEGRLLNWNNSPAVLCASRA
ALLTGKYPVRTGIYPRVFEPDAAHGLPPTETTLADHLRALGYATKIVGKWHLGQRPEYLP
TQRGFDEWFGIPYHMSGGSLDGHLCTGKDPGGARDLWLPYQGDSDIVEQPVVLEDLAQRY
VDESVKFLRQHTSNGKNAKTSNEDDDDDQGSRPFFLYLAFSHVHQLCAPKHSECQWASN
KAGRDGYHATFGDAVEEMDWIAGRVLAEALAELENTLVLFVTSNNGPWTAEQECSGSKG
PFLGTWLAHSDPTCTACPSEYVPSPLLPDRPHRCVFPVGSSSSSSSINGNGNGGPHVYEV
DGVPCGQDTGLGSAWEANVRMPAFVVRWPGGVEAGSETMETVSTLDVVPTVLGLLGEDPP
CGLDGDVASSVFLGQSGGTGDRVLFVWRDGFASGPLPQPFGRFDVAMKIGPFKLFWFTK
SSHYNADPEVFHDPPLLFHVLDDPAEAFPLDPEEHSSLVVEARRLLQEHKESVDKAEPLC
LERDAAFLPCADKARGCRTHGGAPGGGSSSSSNRLAEGETGWSREE

>comp13334_c0_seq1; 602 185 1441 LEN=2075; translated
MAMSLSMVSRWIAALLLSQLLPRGIVADSKGSVFDKKEKNEEKLI EWIRSRGGYWNPGQ
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RLADELQTERDAGAGGVVRSDFSHYVEGLIQTATEHSLKLLPAHWSEGGKLLSRVLFDDD
ETGEPVQVLPPEDEVFIHDDWKHRCEARVDPVATLLVTTTHGEDFGMVPLTDKFNRRGGNW
TGAFVSVENGDPVIALEIRALRDLAAGEQIYTDYHDYQIGTPELLRDYGFVEAYPQRWI
FHRHGIAFDVLEKHGPREAAGDDRFOIEWHDIRINSVRYVGKPSSSGVEILRRHLDRLDQ
TVVPALEAAAAPETKDAFGRPTELERETVLRFCCHDLASALELAIRDAAEAASATPDPEL

>comp13335_c0_seq1; 451 120 854 LEN=915; translated
MFISRSFVPIVMACLLITNDAFSTHSLPQAAIRSRQGSVAHSSLYAGKGDATLKRVS
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DDLMDIFPIAENIVEEEFEELTLQRTPTTLVGELEDDDEELEDDEDDDDDDSDDEEQV
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DVL P

>comp13335_c1_seq1; 330 1 440 LEN=788; translated

XDDDDDDDDDDDEEELMDREIPLPNVKSEVLAKVIEYCVHYTMEEPMEPIQTPLKSSKI
EDLVQPWYADFKVEQSLLFELTTAANFMDVKPLLDLSCLAVSVSIGKTAAE LRDMFNI
NVFSPEEEAQVREESQWTKNDSSTNE

>comp13335_c1_seq2; 289 1 425 LEN=578; translated

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EDLVQPWYADFKVEQSLLFELTTAANFMDVKPLLDLSCLAVSVSIGKTAAE LRDMFNI
NVFSPEEEAQVRCERGVACSDW

>comp13335_c2_seq1; 1079 1 3890 LEN=3890; translated

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GDRPHIYNEFLDIMKTFKTQQIDTPGVIRRVSNLFGQNRRLVLFNTFLPEGYRIELPDG
DGPPVAVFRAPGEMAVRHDLSPGNI PPVRHHEPPQTQPPSHAGMPPGPAGMQVPPGQQQQ
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MGNGSNAASPNAANGAGNAQQPGQPLEFDHAINYVTTIKKRFADEPETYKKFLEILHTY
QKEQQRGIKEVLEEVSVLFEEHPDLLKEFTFFLPDAVQAEAKQQLAIVVKEAEERRARKLA
AEKHAALPKQPKRYVAPTAPPPPVERRPTSATIAFGATAPRSVEREKEIHRSTVYGTVS
FGPPRPPRKNMPTVAEAAKKEGRPTTLPCCPPQPTTPEMAFFDRAKRHLSRRELAPDKPT
GRARHTPYAEFLKCLHLFGSGVLNKDELVLRLRGLFVQGHAPKSGVNAGGGASNPATD
AHNLLNEFQEILIGRGPYADQLANQKDKSKYGSKRCDVELSAKLSPSYAEYPKDYPHDL
FMTHTGQTSSEDSQVLNSTLVSVDNDTTGICSIATRNTYEEAMFRIEDERFEVDMAIERN
ANAMRKTEPIAAEVQMLREGEKDGQPIGRLQYKLNARTLNSIHINAIGRIYGENGDEVI
QYLSRNPLAVLPIIYQRLRQKDLERKQKSDLMSQWKAATEANYEGSLDHTCFFKRRALE
RRFGLEQLRDECKQARQYCSNQNKRDSPVSFGLSVPDRSAVFYQPYASVEMKPSSSVHH
NAVGF LINHIRYRCHIGDKIRPPNTDAREKVGRIWTEFMLPFFNYPSPFWVLEESRQSYQG
KISNAVQYAVGERVMTAFGEGTIQAFDDGLDSEEGPRYRVKLPFGIGNLQPYAILHNVD
AGDGSKYARRDDEMIKETNNSMSEESASASSVVVDKFKLLFGSDSIYFLRLYGF LISL
LDDIKEHLNRNPTTADLSQSYNPMKSAEDTKKLEEKLNFDVAVAKLSGVVSKKTSLNDF
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GMSSTAERYIQYNTKLGRIYFSYLPDEELSTTLPGD

>comp13335_c2_seq2; 229 30 850 LEN=850; translated

MSVYFTPIYCVFLSKTDSLNPQFYRFQPADAVGERVMTAFGEGTIQAFDDGLDSEEGPR
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IKEHLNRNPTTADLSQSYNPMKSAEDTKKLEEKLNFDVAVAKLSGVVSKKTSLNDFETF
ARRVNRDITYKIAALPKLVERCGDMMIKMSEEDLLPGIFDSSQYSGQCPVTLRSTCMGMS
STAERYIQYNTKLGRIYFSYLPDEELSTTLPGD

>comp13335_c2_seq3; 1089 155 3745 LEN=3745; translated

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HAGMPPGPAGMQVPPGQQQQQGRVGGPPGFEGMMAGRGGPVGPPPPQQQQQQQLHHKHNGA
MDRVAGAPGGLPGQPTMHAQQMSDPHGQQQLTQQQQQHLTQHHTNASLARVGLPPPGR
PGLAVGQPQPQQVMRQQQAMGNGSNAASPNAANGAGNAQQPGQPLEFDHAINYVTTIK
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KQLAIVVKEAEERRARKLAAEKHAALPKQPKRYVAPTAPPPPVERRPTSATIAFGATA
PRSVEREKEIHRSTVYGTVSFGPPRPPRKNMPTVAEAAKKEGRPTTLPCCPPQPTTPEMA
FFDRAKRHLSRRELAPDKPTGRARHTPYAEFLKCLHLFGSGVLNKDELVLRLRGLFVQGH
APKSGVNAGGGASNPATDAHNLLNEFQEILIGRGPYADQLANQKDKSKYGSKRCDVE
LSAKLSPSYAEYPKDYPHDLFMTHTGQTSSEDSQVLNSTLVSVDNDTTGICSIATRNTYE
EAMFRIEDERFEVDMAIERNANAMRKTEPIAAEVQMLREGEKDGQPIGRLQYKLNARTL
NSIHINAIGRIYGENGDEVIQYLSRNPLAVLPIIYQRLRQKDLERKQKSDLMSQWKAAT
EANYEGSLDHTCFFKRRALERRFGLEQLRDECKQARQYCSNQNKRDSPVSFGLSVPDRS
AVFYQPYASVEMKPSSSVHHNAVGF LINHIRYRCHIGDKIRPPNTDAREKVGRIWTEFML
PFFNYPSPFWVLEESRQSYQKISNAVQYAVGERVMTAFGEGTIQAFDDGLDSEEGPRYR
VKLPFGIGNLQPYAILHNVDAGDGSKYARRDDEMIKETNNSMSEESASASSVVVDKFKL
LFGSDSIYFLRLYGF LISLDDIKEHLNRNPTTADLSQSYNPMKSAEDTKKLEEKLNFD
DAVAVAKLSGVVSKKTSLNDFETFARRVNRDITYKIAALPKLVERCGDMMIKMSEEDLLPG
IFDSSQYSGQCPVTLRSTCMGMSSTAERYIQYNTKLGRIYFSYLPDEELSTTLPGD

>comp13335_c2_seq4; 311 30 926 LEN=926; translated

MSVYFTPIYCVFLSKTDSLNPQFYRFQPADAVGERVMTAFGEGTIQAFDDGLDSEEGPR
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KLLFGSDSIYFLRLRYGFLISLLDDIKEHLNRNPTTADLSQSYYNPMKSAEDTKKLEEKLNFD
DAVVAKLSGVVSKKTSLNDFETFARRVNRDITYKIAALPKLVERCGDMMIKMSEEDLLPGIFDSSQYSGQCPVTLRSTCMGMSSTA
EYRIQYNTKLGRIYFSYLPEDDEELSTTLPGD
>comp13335_c2_seq5; 1007 155 3669 LEN=3669; translated
MRELRVEDALLYLDQVKVEFGDRPHIYNEFLDIMKTFKTQQIDTPGVIRRVSNLFGQNRRLV
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HAGMPPGPAGMQVPPGQQQQQQGRVGPFGFEGMMAGRGGPVGPPPPQQQQQQQLHHKHNGA
MMDRVAGAPGGLPGQPTMHAQQMSDPHGQQQLTQQQQQHLTQHHTNASLARVGLPPPPGR
PGLAVGQPQPQQVMRQQQAMGNGSNAASPPNAANGAGNAQQPGQPLEFDHAINYVTTIK
KRFADPEPTYKKFLEILHTYQKEQKGIKEVLEEVSFLFEEHPDLLKEFTFFLPDAVQAEA
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>comp13354_c0_seq1; 168 189 1071 LEN=1638; translated
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RPCSLEECVSSPCEDSKTTRFACLSLQHDQARGGCGAVPWTKTICADQCDASGCSWLLR
EKIDASQLQPGSDENVVEDCDTECPKHWERNLRCGAEAPYQCTAGLSIYGCADMYD
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>comp13355_c0_seq2; 65 1 1126 LEN=1761; translated
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VGDSVRYHIDYAEMFRFRNTVIYPPMYGGTLHLTPTRDMKGGFEFCANLGGLDHYKRFYK
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CNHEIGPIVEEYPEHSAKFNRVFKLSQTAVKFGGGLTIEAVKKNPNLAAFVKLLAKKME
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>comp13356_c0_seq1; 434 1 2013 LEN=2525; translated
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PSTYWWLEPVHEMESPETATGLSSTSGSFDESTEGQYILTSKKYPSRRLTYTADKFGASD
DGIQLIASNKSEPSVWTIKFTSGELCFISNPVVHCQLRCNTGGTISLNSGSHGWVFRFI
EVNGELYISSWTHYTRFLTSDTDGKVTSIDSTSRDLSYSERWRIEVPEGGRGLYIQNVA
SRRYLSVGREANEQLWTTTKPNDYALWHLNAAHSHIYYLTSLFASTKNEKGVDESSKDSE
EVPEVEDEVKDEEEKPEVEEDI PKSSGATDYNQIYSKRGVSDMHISSSKNGPFLLTKKKQ
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REHLRFLAVSDVDGSLHTTPGDEETNLCHSWRMDPRLPRISGGKIAGRSSIPPTLLLC
CSFVFGVGLSFLVLLVEISSFLFLNGCXNLTILLALVAGAMGLAMAVAMPFAVLGA
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>comp13356_c0_seq2; 310 1 1642 LEN=2627; translated
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SRRYLSVGREANEQLWTTTKPNDYALWHLNAAHSHIYYLTSLFASTKNEKGVDESSKDSE
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RRDMWNA

>comp13356_c0_seq3; 410 1 1849 LEN=2361; translated
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SRRYLSVGREANEQLWTTTKPNDYALWHLNAAHSHIYYLTSLFASTKNEKGVDESSKDSE
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REHLRFLAVSDVDGSLHTTPGDEETNLCHSWRMDPRLPRISGGKIAGAMGLAMAVAMPF
AVLGAIETVGAATEIAILGTSVEVLGAVAGAALGAGVVGTTAKLVSNGNGKEQSNQNGDD
DDLDDKKFACQRPLSAW

>comp13357_c0_seq1; 209 234 494 LEN=1409; translated
MAIEDEIRLRNNPETSFGDVTREQILETRNRRKRQLKVMLVDARKKLADHSAGEKPLTE
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>comp13357_c0_seq2; 210 234 605 LEN=1279; translated
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EAKAILVNSIDVYRRKIESMEVELEEWIEIERLIARETEAANRRKKRSRDSRKSRSR
REL

>comp13358_c0_seq1; 440 1 1513 LEN=1589; translated
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NPGGLLPGGVETAQLFLESNKQIVYVSNKGVILAEESTFEDGFDTETKLTILVDHNTASA
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>comp13359_c0_seq1; 138 103 608 LEN=1060; translated
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>comp13359_c0_seq3; 228 103 501 LEN=1036; translated
MDSSFVDDDLVYPNLRACKLKTIGPAAATSSPPVRLPSAVREAVEAPPYGSVRGGNRLDG
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EAVEAYLDGQTR

>comp13360_c0_seq2; 943 491 3069 LEN=3069; translated
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EDCDNLGLDKPSIDLDRILEQDSVHYDGITYKKNRCYKHKVDGDRVFGIKHFLREINTDS
EPESCVSAYCVEIIPFNRTVLETVNPTSELKFIQRGGSEREIHLSFEFEKEIQKSPPLPQF
MYHERQSGSSHLLFGLEDASKAKQRNGPRDLKKSPLRGIDFYAGAGLMSNGFQAVGLNIV
IAVEKNEDAISKYGIHGAKVSKVSKVSEISSHECKQILSTREGKIAFHDTVETFLQRC
QDFSFKEALGTIDFVVTCSPCQGFQSKQNVFKQGNVEQNNNESLRILNAAELLQPKLFVFE
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VLASKSSAHYNLNRFYLSSENAILMGQSSDFVSKLVGTNKSQRQIGNGVSMGMAQAIAR
SCFEVFRWCWKEAPKPRTTLPKRSEDEELDWLVTDDDESNGEVDVKDLRKETSIEMNK
TDDKGPGEESPFPVPGISHEVVIVEAGSKKSGEETSVMNRMKSELDGKPKGKETSINMLVMSK
NEEIVEAFSNQPDKKTSTLFEIMSDEEDVKCESGGNEPSKEIPSSSKMVDKGVKKEAARKT
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>comp13361_c0_seq1; 485 83 1846 LEN=2304; translated
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QLAYHPTCNQIHELSSGWQTYRLPAGFSSRNKSSDLESFQLGATLDDEAIAPDVHHRREQ
TRLVNVQGAFRHVWMIRDSDGITKRAMKTLRSLKRKEKKFDLRNHDRHRRDAMSFEQLHN
SSLVVVDLYASCNTAIFDYADRGLRRIFESSEESQTFNLHLMEIAYNVSLSVHDAHFF
DEEGRATMAHTDIKVNQFIYQDGYKLSDFNRVRFLTWNNKVNKGCDFVAKNGGEYRSP
EEYAYEKETEKVVDVYSLGNVLYFLLVRHEVWVEKPVKQVYELVKLGHPRKPIPEKIYNSK
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>comp13362_c0_seq1; 523 1 1611 LEN=1684; translated
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GAMSPGERKLRKDAGIGVVLDPKLHKVDYHESVLRKQRHLKQETSSYKPKVMTASAMYCK

WYDASCILRYIWLSTGIQFGMIGTMEPKFDADAFPNVSDWRDSGAVTYVRTQGECEGACWA
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PYDSYTLIALTAGAEGDSEYYSEEALSYRNQVCPASDAGSHDGSNSNDESYWNGAENK
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>comp13363_c0_seq1; 513 1 2211 LEN=2467; translated
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FLSTQNXQRHLYEHDVVRVFPVVRGPFVFGSGAKSISVPQEQIISLVDIAPTMLDIFLEAIQH
NDNNDNTDASLVHRLRGAMDRMDGVSFWDFLRTIGGDENHLPMTTRDYHNGHKTRPSDP
FLQRNDLLIAYHGE G D PRCGLSECPAPLNGLWMPDSYNNTYHCVRTMTANAIQNTNQRN
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SDFQVQRYEKRLQELLS
>comp13363_c0_seq2; 654 79 2142 LEN=2398; translated
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TGKYLHNKKVGGTNTRESNQEDNLYRLAVNNSLAGNCYGDTWRKHTEKEDTIAVYAKAAG
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PTPHGPFTPEPKHAGDYPDVAAPRTPNWNASGTGSSPSQRKHLLRQLGAI SERTASQID
AIYRNRLRALATVDDHVGALVEWLGRP ETNASSGSGNATSDESENKEDLNTTMLDRTVIM
YTS DNGFQFGQHRLAIDKRHLYEHDVVRVFPVVRGPFVFGSGAKSISVPQEQIISLVDIAPT
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>comp13363_c0_seq3; 578 1 2114 LEN=2370; translated
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LLRQLGAI SERTASQIDAIYRNRLRALATVDDHVGALVEWLGRP ETNASSGSGNATSDES
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IGGDENHLPMTTRDYHNGHKTRPSDPFLQRNDLLIAYHGE G D PRCGLSECPAPLNGLW
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>comp13363_c0_seq4; 637 79 2127 LEN=2383; translated
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TGKYLHNKKVGGTNTRESNQEDNLYRLAVNNSLAGNCYGDTWRKHTEKEDTIAVYAKAAG
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PENEGTVDNDGRGGTIRLHAHGDSYPGDYLPVLKDYTLSTLPGLTEPWLA VVAWPTPHG
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NGFQFGQHRLAIDKRHLYEHDVVRVFPVVRGPFVFGSGAKSISVPQEQIISLVDIAPTMLDIF
LEAIQHNDNNDNTDASLVHRLRGAMDRMDGVSFWDFLRTIGGDENHLPMTTRDYHNGHK
TRPSDPFLQRNDLLIAYHGE G D PRCGLSECPAPLNGLWMPDSYNNTYHCVRTMTANAIQ
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>comp13363_c0_seq5; 572 79 2224 LEN=2480; translated

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TGKYLHNKKVGGTNTRESNQEDNLYRLAVNNSLAGNCYGDTWRKHTEKEDTIAVYAKAAG
YTTLYAGKYLNQYKHSSSTSSSGSHSDIDPDSIPAGWDYWYGLEGNSRYNYTIVERTPN
PENEGTVDNDGRGGTIRLHAHGDSYPGDYLPVLKDYTLSTLPGLTEPWLA VVAWPTPHG
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RLRALATVDDHVGALVEWLGRP ETNASSGSGNATSDESENKEDLNTTMLDR TVIMYTS DN
GFQFGQHRLAIDKVGTXSKSMQSVFGSLIWISSILWVLF LSTQNXQRHLYEHDVRVPFV
RGPFGSGAKSISVPQEQUIISLVDIAPTMLDIFLEAIQHNDNNDNTDASLVHRLRGAMDRM
DGVSFWDFLRTIGGDENHLPMTTRDYHNGHKTRPSDPFLQRNDLLIAYHGEGDPRCGLS
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>comp13363_c0_seq6; 530 1 2226 LEN=2482; translated
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QRKHWLLRQLGAI SERTASQIDAIYRNRLRALATVDDHVGALVEWLGRP ETNASSGSGNA
TSDESENKEDLNTTMLDR TVIMYTS DNFGFQFGQHRLAIDKVGTXSKSMQSVFGSLIWISS
ILWVLF LSTQNXQRHLYEHDVRVPFVVRGPFGSGAKSISVPQEQUIISLVDIAPTMLDIFL
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>comp13363_c0_seq7; 595 1 2129 LEN=2385; translated
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PAGWDYWYGLEGNSRYNYTIVERTPNPENEGTVDNDGRGGTIRLHAHGDSYPGDYLPVL
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QRKHWLLRQLGAI SERTASQIDAIYRNRLRALATVDDHVGALVEWLGRP ETNASSGSGNA
TSDESENKEDLNTTMLDR TVIMYTS DNFGFQFGQHRLAIDKRHLYEHDVRVPFVVRGPFGS
GAKSISVPQEQUIISLVDIAPTMLDIFLEAIQHNDNNDNTDASLVHRLRGAMDRMDGVSF
DFLRTIGGDENHLPMTTRDYHNGHKTRPSDPFLQRNDLLIAYHGEGDPRCGLSECPAPL
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>comp13363_c0_seq8; 589 79 2239 LEN=2495; translated
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TGKYLHNKKVGGTNTRESNQEDNLYRLAVNNSLAGNCYGDTWRKHTEKEDTIAVYAKAAG
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YTS DNFGFQFGQHRLAIDKVGTXSKSMQSVFGSLIWISSILWVLF LSTQNXQRHLYEHDVR
VPFVVRGPFGSGAKSISVPQEQUIISLVDIAPTMLDIFLEAIQHNDNNDNTDASLVHRLRG
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>comp13363_c1_seq1; 330 403 945 LEN=1193; translated
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>comp13364_c0_seq1; 361 1 2236 LEN=2236; translated
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SVAKGSGSDEGALSPIDGTHDNETKDYAESMVTEGVIFSVPPPELVQETLAELDFREKGGY
ARDVCEVVEEGSDKTYRALLYRGTDPDNPAFSSRCLVDLPFSAAIMSASVGPSPNDIYLN
NLDGFLDRIKNSAAQDDTKTLANMVRSFQKGYQLYFLTGGGSNQHNQLMLNRPGIPSLI
AAEDAHRTEIVLPTPLLTNDSSGSAPKSI FAGGGHSALLTKNGRFLFLWGWNKDLQCGAE
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GCGPSVDMMEGKIRKDDKVHVHCGWSHTILHVEGAEGSKFFGFGRNDKGQLGNGSNLQVD
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>comp13364_c0_seq2; 297 199 2328 LEN=2328; translated
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GSEDEGALSPIDGTHDNETKDYAESMVTEGVIFSVPPPELVQETLAELDFREKGGYARDVCE
VVEEGSDKTYRALLYRGTDPDNPAFSSRCLVDLPFSAAIMSASVGPSPNDIYLN NLDGFL
DRIKNSAAQDDTKTLANMVRSFQKGYQLYFLTGGGSNQHNQLMLNRPGIPSLIAAEDA
HRTEIVLPTPLLTNDSSGSAPKSI FAGGGHSALLTKNGRFLFLWGWNKDLQCGAERTGIEE
HPPDLPLPFVEPLPDIVVESAAALGFSHTLVVERQTGRVYAFGNDRERGQVTGRQNVPLSEI
ATHPITPEFLKDEDVDIVKAGLFHSALVTCKGELITFGCDRFGQC�NLPKQDGATAESLSN
SMHTHCRWKPIDADRIVDVSCGRRHTVAVDLSLNRVWTFGENKYGQLGRKTDQKKGCGPSV
VDMMEGKIRKDDKVHVHCGWSHTILHVEGAEGSKFFGFGRNDKGQLGNGSNLQVDSPIEIF
SGKEIKRIHCGSESTMVIDEEGKCRNSVLAKHTVLSLSFGLFFHSSFLLFRQVNSGVVGG
XEHGNLGTGNQDDAFALRLSQRITCTPPDIHNSEIALAVGGAHYIVA AVEX

>comp13365_c0_seq3; 223 462 893 LEN=1125; translated
MLQIPGFMNQFGCPYSKDPNSSRSGTGGPMQKTAFKNCNGESMLRNHDGCIPDEIGDGHP
RISNSVGTLSMANTGRPNSSGGSQFFINVS DNTFLDWFDSQTPAAHPVFGKVVENMDLAFK
ISNVPTRNDNPVTPIKMISVRVA

>comp13365_c0_seq8; 263 163 723 LEN=955; translated
MSIATFTTSMGTFAELYTDRMPITCGNFIDLANS GFYDGLHFHRVIPGFMNQFGCPYSK
DPNSSRSGTGGPMQKTAFKNCNGESMLRNHDGCIPDEIGDGHPRISNSVGTLSMANTGRP
NSGGSQFFINVS DNTFLDWFDSQTPAAHPVFGKVVENMDLAFKISNVPTRNDNPVTPIKM
ISVRVA

>comp13365_c0_seq9; 223 462 893 LEN=1139; translated
MLQIPGFMNQFGCPYSKDPNSSRSGTGGPMQKTAFKNCNGESMLRNHDGCIPDEIGDGHP
RISNSVGTLSMANTGRPNSSGGSQFFINVS DNTFLDWFDSQTPAAHPVFGKVVENMDLAFK
ISNVPTRNDNPVTPIKMISVRVA

>comp13365_c0_seq12; 263 163 723 LEN=969; translated
MSIATFTTSMGTFAELYTDRMPITCGNFIDLANS GFYDGLHFHRVIPGFMNQFGCPYSK
DPNSSRSGTGGPMQKTAFKNCNGESMLRNHDGCIPDEIGDGHPRISNSVGTLSMANTGRP
NSGGSQFFINVS DNTFLDWFDSQTPAAHPVFGKVVENMDLAFKISNVPTRNDNPVTPIKM
ISVRVA

>comp13366_c0_seq1; 709 243 1515 LEN=1539; translated
MPSVSYLPPTIAQIYAKALYDPRPTTTTVAQKQLAYALGYPM DWRVERTIVEEGGGDGDG
TSKNENEKKPATIVIKDRIHALGGKRNQTKYT WLNHEAAQKAALLFEKEGTLDPRAIEAN
NNNTGGSKAGSNDTGSHLLPATALFQKGDVVMVRYEGEWWSATVTKKPKKKNDDEFFYSV
LYHGDDATQDEIAEEDLKPGE DPSEVAVSLGLDATWTATRNGSRFVITAPCGTVFSSKKA
ARKHLRELANKKGGGGGSAK KKRTPKEEDAGDPPWRTGGHDWIGRRVFWTFKHKASA
RRQIAIEQIGTIEGYIDASDTDKDGNPGFVSEKTGEPANLFHV VFGDDPGHPYAQYLLHN
TDVEEFEIAECLLPEVAAAPSGGGGGGSKSPSKKKGAGSRDDEQGVSDAGWMDVQFHCIY
YNY

>comp13366_c0_seq2; 746 243 1763 LEN=1787; translated
MPSVSYLPPTIAQIYAKALYDPRPTTTTVAQKQLAYALGYPM DWRVERTIVEEGGGDGDG
TSKNENEKKPATIVIKDRIHALGGKRNQTKYT WLNHEAAQKAALLFEKEGTLDPRAIEAN
NNNTGGSKAGSNDTGSHLLPATALFQKGDVVMVRYEGEWWSATVTKKPKKKNDDEFFYSV
LYHGDDATQDEIAEEDLKPGE DPSEVAVSLGLDATWTATRNGSRFVITAPCGTVFSSKKA
ARKHLRELANKKGGGGGSAK KKRTPKEEDAGDPPWRTGGHDWIGRRVFWTFKHKASA
RRQIAIEQIGTIEGYIDASDTDKVTE SCSTAPGSAFLLRFGAYQKRKAETPWVEQFGRNV
IPSRVLLRLAFVAHALLDWHDSP LKLDFFLYFAFSFVSFGSLSFAQDGNPGFVSEKTGEP
ANLFHV VFGDDPGHPYAQYLLHNTDVEEFEIAECLLPEVAAAPSGGGGGGSKSPSKKKGA
GSRDDEQGVSDAGWMDVQFHCIY YNY

>comp13367_c0_seq1; 410 77 1534 LEN=1534; translated
MPSAFRRSGGSNKRRVLP SGIAESAIPNGPLTSSQSSSGTQNTTRSSIRPLLRGVKWPWQG
GSYLTSVGLNDLNDNILGGGQVLGTSILLEEDRLWTRDLAITLVKYWCAEAI SQDQLLLAP
TFSTSI LLKDDDDENASLSFLFGDDNCLEDGDQPSNHSREELHDLLSSLPRNLHWKQKK
KQEKAKREQEASNNATDITSTLGS MNLEPIAILEEED EEEDEEKEADDGLQVAWQYKTSVQQ
ERLAKSKSNTATASVATNVF SHSYDLSARMMDQTKLDLSAYIVPLSLTTGTNDSSRQNG
YSFFCELVHMLKERMATNNEKAVRLLLLYHPLELLLI ALPLFLAHIRKESLPVVIMICTT
PSADVKS RVGLSRACDVVLSTEGFASRKEYPPPPEFRHLQGV LKISKTTTRKRIEMAAAIY
GFKRDRRKLHIPL LHIPPEDYAEGGGSVTGGVRS GAGRPVDSKPGKTSSGGMGCSNMSG
LLDFXKX

>comp13368_c0_seq1; 386 341 2053 LEN=2097; translated
MCKSIKEVYAETGDFPCVAAGYCTADDDEYGGEVTCQKGPFFSCEPKKFCRKTRPKFGYR
YSCDLK PGLGRWMMHMQSAASRHTAAIASGLLKQKRCGEPDAGPYCIAKPSGFGRIAEFVG
WILSFFYGGYQSIMAIETPGGDDDQQLTFWVIFVGSMSFEHAFARVLLSKFPLYQFKL
VAITWLIFFDGAN YLYRKFRRSISEWSPNFVDALDDFNHKN AQNLDSMVQIGGKV VSDK
IALLESNLKSNPAQRNCFLYTKSSKVTPWEYDYTDTKRGVNRISLTA EESLFLQLSKWMLG
SEGMEELEHKLRSNEVAMLLERAAPVVSFQPKFLNIHLIGTRPGRLGQLPVM DANGKADC
YVKFSV VNETSYSTFDCTQAREQKGSFRNFSAMTQREISTVTSRIAYRTLDPEWNQRLEM
PLKGG SLEKSGIYINSDFNSQILLVEAWDADCGAWGITLEIFRFSGCSLVCALIAAYVLG
AIDFFFHETLTTEQWWWKTAI IATTCVVVGFALTYMKS VVLRADDEFIAHAAAPLEILK
DQMT HSLFLTLSDKWKQRCVLR IKLR LSEN

>comp13368_c0_seq2; 338 863 2176 LEN=2220; translated
MAIETPGGDDDQQLTFWVIFVGSMSFEHAFARVLLSKFPLYQFKLVAITWLIFFDGAN
YLYRKFRRSISEWSPNFVDALDDFNHKN AQNLDSMVQIGGKV VSDKIALLESNLKSNPA
QRNCFLYTKSSKVTPWEYDYTDTKRGVNRISLTA EESLFLQLSKWMLGSEGMEELEHKLRS
NEVAMLLERAAPVVSFQPKFLNIHLIGTRPGRLGQLPVM DANGKADCYVKFSV VNETSY
TFDCTQAREQKGSFRNFSAMTQREISTVTSRIAYRTLDPEWNQRLEMPLKGG SLEKSGIY
INSDFNSQILLVEAWDADCGAWGITLEIFRFSGCSLVCALIAAYVLGAIDFFFHETLTTE
QWWWKTAI IATTCVVVGFALTYMKS VVLRADDEFIAHAAAPLEILKDQMT HSLFLTLSD
KWKQRCVLR IKLR LSEN

>comp13369_c0_seq1; 264 436 1311 LEN=1859; translated
MYNPTT MPQSLSKPNNLSSTQSPMSNASHRVSWSTIMDAKKANSDFLREGSLSPYHDP
GYARSAI IGRKSEYDILQSGRRLSSMAPALIPDSAYRSHLSGRPAVKQKPSGIDKIVVAK
IIGYVAIVGFAL TIVGILIDTQPMYLGILEKNQEVSSNGAKVKT FYAVS INDRLEPAK
HAYRAGLLY LMTAII CFGYAQN VHHHLFKKGWQQYRDID DGDSTVPTFGGIDGYLPTSKA
VHRKAYEERYGFIVRTWHSTFVTFQRLGIYLT SIWQDRRRNR RRFSGAKDV

>comp13370_c0_seq1; 289 366 836 LEN=836; minus strand; translated
MQETIKVLFPPWAGGTSRVYQSLCEETRKH LVREESSVSSLVGPQPYDALTYFKDLKPIL
SQFNVEFLAIDLPGRLIRPNPESQEILSDFASLSRVLIHEIFLDAADGDANQQNTVKKGE
SYVLF GHSFGAMLAFEIAKQVGT YGLPPPLALFVSAS

>comp13370_c0_seq2; 982 1 2463 LEN=3086; translated
SKQRDRNRMEDSKMEDAPAAVGSMDRKPDEAPAADVTE SFPDQKRKTDDSENNTKAEVQE
MLLLKPYFESKGVSKDDIQT TIRVLA AITDLSSSRK DSTSKHSRMRDYHPSSK KRKISS
GEDDNNTTAAVEEKKEDENDATEEKETKSN SGNPESPPLSLLLNEYRTVKELRPFRKALM
QCYAKIVKPTLFDGHSSLGNYQKHENLSLSK KRKMAENHQQRKHLANTMLRKGRIDKLN
AKLEEGKDEEQTKLQARMMI PDGHVDTDT TTTTTLAIENGSCNKPPSKNDASGQSRATDAK
CSTPPEVETVDESGEASDGKANAATHAGNATELPKLRSCYVCKSRFRILH HFFYDQLCPTC
ADTNW TNRHKTRDLTGKVAVVTGSRVKIGYQ TCLKLLRAGCFVIATTRFPNAAAAS YRVE
PDFESW KDNLEIYGLDLRDV TGLELFCRYLQHKLG ISSSADGDNGNSGCGLDILINNACQ
TIRRP TAYYLPACQREAGELWKSSDP THKALLKGCMEYEKLRRLHL TNKNHHSVSSSSSS
GIAAPMMLGGTDHEATQETTTISG TSGTTS AVPE SNGNTGNTSPNATNTTITTSATSAVA
TTSSSPNSNPFESTGM SHSAAASQMIICPEDVGVDES VLPKGLSDINGQQLDLRKTNSWL
LKMDQVSTPELMECMFVNAIAPFV LNSRLQPLL VHRGKNKNNNATV PNR YIVNV SAMEGK
FYRYKMANHPHTNMAKSALNMMTRTAAEDLARNHSVYMNSIDTGWINDENPLEKAAKTAK
VNNFQTPIDEIDAAARILDPI LSDSKVY GKF LKDYRETEW

>comp13370_c0_seq3; 167 1 678 LEN=1304; translated
ITTSATSAVATTSSNPFESTGM SHSAAASQMIICPEDVGVDES VLPKGLSDINGQQLDLR
KTNSWLLKMDQVSTPELMECMFVNAIAPFV LNSRLQPLL VHRGKNKNNNATV PNR YIVNV
SAMEGKFYRYKMANHPHTNMAKSALNMMTRTAAEDLARNHSVYMNSIDTGWINDENPLEK
AAKTAKVNNFQTPIDEIDAAARILDPI LSDSKVY GKF LKDYRETEW

>comp13371_c0_seq1; 439 213 2078 LEN=2193; translated
MKSIAVGLSASLWAAAVLQLHSGWNVLDAEAFVVIPIYSHSLDRGANSVGVGRRRSPSHCR
RATTGTVATNRHKNSRFFSTTENSKDDNTSTSTILQEHKSNLSSTRTNTTLEFPPFCNL
MDVRPGDFVASEAFVCSAPIDASNDQNDNSNKPRQHRFRVKLFPRGGGSDGTGSRSKPQES
VGLYLEYLGLGGEDDSHKSEEDSDSVQATFALRLKGRQQRRFDVEWRAGMSFVENPEN
SDLNQGVSTEFGAPLMQTGLFQEFGLIANKDQAYSDERPVMVEAEVVIHDAENILSKD
SSSADANI EVQEKEPSSPMSWNKDIRLVEEGTNEHNTESVRVGKVVVPVLSRLSQRPK
MFEQAYPGVEYRILRILDRDGRERFTSCPGADYELKPVYPLVAQLERPWPVVRVNERDIP
KLFTPSMYNLLSAFGSLFTAASGLFVAFLLSQAISLFFIPSKSMDPTLKVGDVLLVDKVS
SRTPFKNEVGMVLFSPPSRLQEIVAKNGGNLSSRDLFVKRIAASPGDRVTVYKDGKVD
VNGQDVVAGRRDLCEAEPLRLIEKYIEPREDKIIDQKEVFVMGDCSSVSVDSRVWGSLEA
ENIVGRPIVRIWPLDRFGKVE

>comp13372_c0_seq1; 471 180 1976 LEN=2002; translated
MREEAHKQRRAGVARNRHGMLGLLILLVYTSSETVRTDAFVSPVALSDTARRNSEIVRQG
FSGKNTPRQVLLRSTTSSSQSSLSASSPSFSSSLKEFNAHLETLVSKCSSSNEPVIIVRAA
QCQELWENAKENESNFEPDSDSFQFVLSAWNQCTQTLVRSRRNSQTLPSEKGMSSVEVYTP
LDAAKRATLLFAYPDPDLTAYNTVVETWSKSRVSESPAAERLLRRMMDDESIENPTNT
YNFLIDAWANSNKPNSLDKATQIYRHMEKISKDDTKGNVKPTIRTINAVLHAYARKSAQF
TSQNDQEGFEKAAECAASLDLLEETTKRYKETHDLNWQPDIAITYTSMVDVHSRCATYRT
TRIAGELLAEVKKLYEKTGNRHKPNFRITYTALVTAWSRTRSDSPRQVEAIMNEMKQAG
ERPNTRTYTSAVQCWARSRDPYKAKRVLKLMMAMRDEYKKSSEHIRPTTLTYNTAIDAC
ARCQGSQDKTESLKI AFAFLKTELMDEEVEPDSTTYSTLIRALNFLMPSGDERNGVATA
VFEKAKKAGLVELLTVKNLRMVLDETMRTALEGKLERNGEFNYGNLPASWKKNANKD

>comp13373_c0_seq1; 313 90 788 LEN=990; translated
MTVSESDTIVSPSTMQGDWTTIRNLPQYAPKKAAPLHSEAVCSSKMENEDCHVNKATPLR
GELGPRSPFPPLLPYFDNDSKSVTQPLTPKLLKRSQRSSRSKNYVLPHTFHPKPSYR
KNDSFITPVTLANKFALSPSVEGRDSTQENLKCESSSNLIVMGKSLKGSVMIWPKA
NRAQRLNSVGNRLSSKPGRASQSKKHKRYFPSEKKQPSTSSSPRELPLSL

>comp13374_c0_seq2; 279 104 1218 LEN=1377; translated
MRFSNPSTVASLFLLCNVARGSLLEKRFSINGPEYKYEDLQFSMDFEISDFVQDSMIGYS
LYDGMACKDGGDNDITENSGYLLSRIRTDQTPPGDGNVRIKIQSELNSKLIKASPIYQ
EDEDGNVTVEYCMRFGVYNTDKTNAFAMETNFLEIPVKLVIDLNAGFEVDAAVSNADGVL
VESEQVAVEAYICDDDENIVPIVGFQEQQTVRVVCSPTPSNLAAGALMRQIESFTFRRL
SPLLVEQPAINPQTGGDAADDLTIVSCQPGSTVCAFETLLYADFFVEEGQVIGAGTAFLO
LGTGASATSRRLQETPNQILSENPTKFGVTLNLVTVESSYQMANTSGAAPAALTAFVGL
ASLATALVLF

>comp13375_c0_seq1; 683 345 2468 LEN=2534; translated
MPVYNFKKMSVPVPAAPDFIDIVLMRTQRRPTIIHPGYKITRIRGFYMRKIKFTQQTISE
RLSKILTDFFRLNDIHPFYADLCNTLYDKDHYKLALGQLNTARSLVDQIARDMIRMV KYA
DSAYRCKCLKRAALGRMCTVLKRQKASLAYLEEVKHL SRLPALDPNTRTILMCGLPNVG
KSSF MNKITRGNVDVQPYAFTTKSLFVGHCDYKYL RWQVIDTPGILDHSLEERNTIEMQA
IALAHLTCSVLYFCDI SEHCGYTI EAQCSLFRS IKPLFANKQLILVVNKVDEQPWETLD
PEKKEMIEALAKDANCSLMTMSNKSEHGVSEVKASACEKLLASRV DARVSGKKIEGVMNR
LQVFHPTPRDNVERGAHIPD TVKDAIAEGRIGSV DHPKRSRSGYAQTKGDTGGDDDEM
NGSYRKTARDLMWENGPGVWAPDYREQYELKEDEWKFD AIP EIDGKN IADYVDPDIEK
KLADLEMEEQQLLKQLEAERMGEPESDLDSEEEAAVDAIRDRKKI IRKMSQVNRSENKP
VIPRTARGRTKDKHQPGDRSEDVVKAKMDKLGVDASKMI ERGRTMDRERGRKRERSRKR
SRDTEAIESDDEM QDATMSKTQAKKKR SKSEARREASVTRGH SKPRDPSQVGLYSESA
VKA AKKLERLGRKGWHGASGEGDNRKSEHLVKWMNTGKKRMGTHDWR

>comp13376_c0_seq1; 151 625 1237 LEN=1237; minus strand; translated
MPRIQKQALQLRCVFGVPIV TIAAPAAAAAASAVAVSVSGAVAVVLPVAVGPAGRPPATEH
CTTIAGTSSRPRTARFPEFLDPLPGHYQWLWQQLLLNGSPSEFLLSADGPSESFRELLPG
MTGLHQDDARSEGSNIRTGWVCMCFRDRAPANKRPWLFDDFVRRSLTPQSKFDVVVFL
RASVLFVFLVSSDFDADADADA

>comp13376_c0_seq2; 77 563 1195 LEN=1976; minus strand; translated
MTSADSVSACRGIMSKELMRLSRNKRTALEEEIHGVRSLAPEETPSLVEDSLRRLAIELE
KVLPN SKKQAYLTAQKQSDASRKYVGDPEFRLRFLRAELFDVQRAALRMTKSLECLLHMF
GPYALERP IKLLDFTFTELKAFRDG SVQILPHRDRAGRRIVFFSPNVSLDADTNKNWSKM
RILRVKIALYLSYVLSERVEDVESQRNGIVILLW

>comp13376_c0_seq3; 77 563 1195 LEN=2111; minus strand; translated

MTSADSVSACRGIMSKELMRLSRNKRTALEEEIHGVRSLAPEETPSLVEDSLRRLAIELE
KVLPNSSKKQAYLTAQKQSDASRKYVGDPEFRLRFLRAELFDVQRAALRMTKSLECLLHMF
GPYALERP IKLLDFTFTELKAFRDGVSQILPHRDRAGRRIVFFSPNVSLDADTNKNWSKM
RILRVKIALYLSYVLSEDVESQRNGIVILLW

>comp13376_c0_seq4; 734 39 1613 LEN=3551; translated
MAIFAAGFRKAGILLLLGFLLLILHKDVDDRSRCSLFCYAKEIEATKEWQRVEGNDTIPAG
AHVRMDMTTGEKWKLMDDDDDAEVKDVHIKKNADGSGESSVAMAVVDNDGSVTVNEVKK
EDITQPQNSTNYNFEMMHRTLSKLPPEEIVAMGGLPELPDSKEGPLRLAFEERMLEIWNE
RQADLLEAELNFPEILKARIAAGIKEYLANPETELKSIDLEADYDDDIVTDIVSLLKDLEF
QLSDIDMARDFHTMDGWPLLVKLVAAEESHVPIQRIDGLSRVNQAKIRTIQSHAAWVIGT
AVKNTEEFFPYAVEPVALKNEKLVTAIDLLVDVFCQKYDDPSSWEIRTLTLLTKGIYAIGAL
LRGNAVAQKHVAEFKGFDRLGQKFKKLSQEGFN SANTKLIQRLAGLSADLVEDLSVYLEL
SEERMDSEIILSLSSSFCKAICELFSSDVFPVTVQETLVRGIGVLGPHCQDSSCAVNDL
HSIIEKILADWVEKKETFDEDFHFKELQDMVTGALKSLNGQAKED

>comp13376_c0_seq5; 741 368 2749 LEN=3567; minus strand; translated
MRLIGATIVALSLRLCAAADKISGLPWSELKERVGDRLIDTIPQDFIDQCLPEYYKPYHQ
RTLYELIDQPSGLCTAHLFCGGFQQCAPNQEYLNQINGFENWESLRAFNNFFTAQIGSP
PTSTAEDYDKAHNTSYAKSLQEWLNPANQYFSPPKVLFPTSAGDVVAAVDFAKTYGVEI
SIKNSGHSYSGSSTKANTLLINMNKYKRYASDDKENKGIIECNDAEVGKGMITTSVDLDT
ELCRLVRARGKPAAIRVGGGENFNKAFSSVKEINERKINEPGGKYKYHLVGGAVGTVSPM
GWTWMGGLGGTAGGRLHGFVGDQVLQIEAVLPSGEHVRFGPTDWEDSDGYLQPKTTKVSG
VCNTNPQDEEEQVWVGACPEETDVLFDLWFAFRGGGGGTWGVVLSVYLQLHDYMPVNI
EKTSDVCSSNVDLATI IAKFVVDYLLDPGALNITREQSNMCAAANENLGTLCYSDNPAM
GENLISLYQDFVSKNSEGLTEELAAIAPSCLSATNHTDWSEIVKISEGPHEGKMSGTFFP
SYVVDLTLTLLNLLVPKSWVLDKKNSETKTKNDILVDWYFQNPFTYWAFFGGDSEFSDHQ
TSSSLTAHREAGVMVLYLDSGSSSPKIPNPWLPSYFMPSTYWPPLPEMYDFTSGDIPPH
IGSNHLGPNLHGPLRDNPCKPCTWDLSSLEADSMCHSAQEAVWGKTKTLKRLESIKTAVD
PNGMFDCFHCIGNEVTRDEESSSSLDNDESAGGANEIVDSEIEETAEESSSVAVDAFEFP
MVAVSVFAAMVLF

>comp13376_c0_seq6; 734 39 1613 LEN=3613; translated
MAIFAAGFRKAGILLLLGFLLLILHKDVDDRSRCSLFCYAKEIEATKEWQRVEGNDTIPAG
AHVRMDMTTGEKWKLMDDDDDAEVKDVHIKKNADGSGESSVAMAVVDNDGSVTVNEVKK
EDITQPQNSTNYNFEMMHRTLSKLPPEEIVAMGGLPELPDSKEGPLRLAFEERMLEIWNE
RQADLLEAELNFPEILKARIAAGIKEYLANPETELKSIDLEADYDDDIVTDIVSLLKDLEF
QLSDIDMARDFHTMDGWPLLVKLVAAEESHVPIQRIDGLSRVNQAKIRTIQSHAAWVIGT
AVKNTEEFFPYAVEPVALKNEKLVTAIDLLVDVFCQKYDDPSSWEIRTLTLLTKGIYAIGAL
LRGNAVAQKHVAEFKGFDRLGQKFKKLSQEGFN SANTKLIQRLAGLSADLVEDLSVYLEL
SEERMDSEIILSLSSSFCKAICELFSSDVFPVTVQETLVRGIGVLGPHCQDSSCAVNDL
HSIIEKILADWVEKKETFDEDFHFKELQDMVTGALKSLNGQAKED

>comp13376_c0_seq7; 666 487 2660 LEN=3478; minus strand; translated
MRLIGATIVALSLRLCAAADKISGLPWSELKERVGDRLIDTIPQDFIDQCLPEYYKPYHQ
RTLYELIDQPSGLCTAHLFCGGFQQCAPNQEYLNQINGFENWESLRAFNNFFTAQIGSP
PTSTAEDYDKAHNTSYAKSLQEWLNPANQYFSPPKVLFPTSAGDVVAAVDFAKTYGVEI
SIKNSGHSYSGSSTKANTLLINMNKYKRYASDDKENKGIIECNDAEVGKGMITTSVDLDT
ELCRLVRARGKPAAIRVGGGENFNKAFSSVKEINERKINEPGGKYKYHLVGGAVGTVSPM
GWTWMGGLGGTAGGRLHGFVGDQVLQIEAVLPSGEHVRFGPTDWEDSDGYLQPKTTKVSG
VCNTNPQDEEEQVWVGACPEETDVLFDLWFAFRGGGGGTWGVVLSVYLQLHDYMPVNI
EKTSDVCSSNVDLATI IAKFVVDYLLDPGALNITREQSNMCAAANENLGTLCYSDNPAM
GENLISLYQDFVSKNSEGLTEELAAIAPSCLSATNHTDGHLLGGIPNFPMTKXSSSLTAHR
EAGVMVLYLDSGSSSPKIPNPWLPSYFMPSTYWPPLPEMYDFTSGDIPPHIGSNHLGPN
LHGPLRDNPCKPCTWDLSSLEADSMCHSAQEAVWGKTKTLKRLESIKTAVDPNGMFDCFH
CIGNEVTRDEESSSSLDNDESAGGANEIVDSEIEETAEESSSVAVDAFEFPMVAVSVFAA
MVLF

>comp13376_c0_seq8; 741 487 2868 LEN=3686; minus strand; translated
MRLIGATIVALSLRLCAAADKISGLPWSELKERVGDRLIDTIPQDFIDQCLPEYYKPYHQ
RTLYELIDQPSGLCTAHLFCGGFQQCAPNQEYLNQINGFENWESLRAFNNFFTAQIGSP
PTSTAEDYDKAHNTSYAKSLQEWLNPANQYFSPPKVLFPTSAGDVVAAVDFAKTYGVEI
SIKNSGHSYSGSSTKANTLLINMNKYKRYASDDKENKGIIECNDAEVGKGMITTSVDLDT
ELCRLVRARGKPAAIRVGGGENFNKAFSSVKEINERKINEPGGKYKYHLVGGAVGTVSPM
GWTWMGGLGGTAGGRLHGFVGDQVLQIEAVLPSGEHVRFGPTDWEDSDGYLQPKTTKVSG

VCNTNPQDEEEQVWVGACPEETDVLFDLWFAFRGGGGGTWGVVLSVYLQLHDYMPLVNI
EKTSVDCSSNVDLATIIAKFVVDYLLDPGALNITREQSNMCAAANENLGLRCYSNDPAM
GENLISLYQDFVSKNSEGLTEELAAIAPSCLSATNHTDWSEIVKISEGPHEGKMSGTFPF
SYVPDLTLLTNLLVPKSWVLDDKMNSETKTNKDILVDWYFQNPLFTYWAFGGDSEFSDHQ
TSSLSTAHEREAGVMVLYLDSGSSSPKIPNPWLPSYFMPSTYWPPLPEMYDFTSGDIPPH
IGSNHLGPNLHGPLRDNPCKPCPTWDLSSLEADSMCHSAQEAVWGKTKLKRLESIKTAVD
PNGMFDCFHCIGNEVTRDEESSSSLDNDESAGGANEIVDSEIEETAEESSSSVAVDAFEFP
MVAVSVFAAMVLF

>comp13376_c0_seq9; 77 563 1195 LEN=2020; minus strand; translated
MTSADSVSACRGIMSKELMRLSRNKRTALEEEIHGVRSLAPEETPSLVEDSLRRLAIELE
KVLPNSSKKQAYLTAQKQSDASRKYVGDPEFRLRFLRAELFDVQRAALRMTKSLECLLHMF
GPYALERP IKLLDFTFTELKAFRDGSVQILPHRDRAGRRIVFFSPNVSLDADTNKNWSKM
RILRVKIALYLSYVLSSEVDSQRNGIVILLW

>comp13376_c0_seq10; 734 39 1613 LEN=3484; translated
MAIFAAGFRKAGILLLLGFLLLIHKDVDDRSRCSLFCYAKEIEATKEWQRVEGNDTIPAG
AHVRMDMTTGEKWKLMDDDDDAEVKDVHIKKNADGSGESSVAMAVDNDGSVTVNEVVK
EDITQPQNSTNYNFEMMHRTLSKLPPEEIVAMGGLPELPDSKEGPLRLAFAEERMLEIWNE
RQADLLEAELNFPEILKARIAGIKEYLANPETELKSIDLEADYDDDIIVTDIVSLLKDLEF
QLSDIDMARDFHTMDGWPLLVKLVAAESHVPIQIRIDGLSRVNQAKIRTIQSHAAWVIGT
AVKNTEEFFPYAVEPVALKNEKLVTAIDLLVDVFCQKYDDPSSWEIRTLTLLTKGIYAIGAL
LRGNAVAQKHVAEFKGFDRLGQKFKKLSQEGFNANSANTKLIQRLAGLSADLVEDLSVYLEL
SEERMDSEIILSLSSSFCKAICELFSSDVFPVTVQETLVRGIGVLGPHCQDSSCAVNDL
HSIIEKILADWVEKKETFDEDFHFKELQDMVTGALKSLNGQAKED

>comp13376_c0_seq11; 734 39 1613 LEN=3680; translated
MAIFAAGFRKAGILLLLGFLLLIHKDVDDRSRCSLFCYAKEIEATKEWQRVEGNDTIPAG
AHVRMDMTTGEKWKLMDDDDDAEVKDVHIKKNADGSGESSVAMAVDNDGSVTVNEVVK
EDITQPQNSTNYNFEMMHRTLSKLPPEEIVAMGGLPELPDSKEGPLRLAFAEERMLEIWNE
RQADLLEAELNFPEILKARIAGIKEYLANPETELKSIDLEADYDDDIIVTDIVSLLKDLEF
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LRGNAVAQKHVAEFKGFDRLGQKFKKLSQEGFNANSANTKLIQRLAGLSADLVEDLSVYLEL
SEERMDSEIILSLSSSFCKAICELFSSDVFPVTVQETLVRGIGVLGPHCQDSSCAVNDL
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>comp13376_c0_seq12; 741 426 2807 LEN=3625; minus strand; translated
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GWTWMGGLGGTAGGRLHGFGVDQVLQIEAVLPSGEHVRFGPTDWEDSDGYLQPKTTKVS
VCNTNPQDEEEQVWVGACPEETDVLFDLWFAFRGGGGGTWGVVLSVYLQLHDYMPLVNI
EKTSVDCSSNVDLATIIAKFVVDYLLDPGALNITREQSNMCAAANENLGLRCYSNDPAM
GENLISLYQDFVSKNSEGLTEELAAIAPSCLSATNHTDWSEIVKISEGPHEGKMSGTFPF
SYVPDLTLLTNLLVPKSWVLDDKMNSETKTNKDILVDWYFQNPLFTYWAFGGDSEFSDHQ
TSSLSTAHEREAGVMVLYLDSGSSSPKIPNPWLPSYFMPSTYWPPLPEMYDFTSGDIPPH
IGSNHLGPNLHGPLRDNPCKPCPTWDLSSLEADSMCHSAQEAVWGKTKLKRLESIKTAVD
PNGMFDCFHCIGNEVTRDEESSSSLDNDESAGGANEIVDSEIEETAEESSSSVAVDAFEFP
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>comp13376_c0_seq13; 666 368 2541 LEN=3359; minus strand; translated
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SIKNSGHSYSGSSTKANTLLINMNKYKRYASDDKENKGIIECNDAEVGKGMITTSVDLDT
ELCRLVRARGKPAAIRVGGGENFNKAFSSVKEINERKINEPGGKYKYHLVGGAVGTVSPM
GWTWMGGLGGTAGGRLHGFGVDQVLQIEAVLPSGEHVRFGPTDWEDSDGYLQPKTTKVS
VCNTNPQDEEEQVWVGACPEETDVLFDLWFAFRGGGGGTWGVVLSVYLQLHDYMPLVNI
EKTSVDCSSNVDLATIIAKFVVDYLLDPGALNITREQSNMCAAANENLGLRCYSNDPAM
GENLISLYQDFVSKNSEGLTEELAAIAPSCLSATNHTDGHLGGIPNFPMTKXSSSLTAHR
EAGVMVLYLDSGSSSPKIPNPWLPSYFMPSTYWPPLPEMYDFTSGDIPPHIGSNHLGPN
LHGPLRDNPCKPCPTWDLSSLEADSMCHSAQEAVWGKTKLKRLESIKTAVDPNGMFDCFH

CIGNEVTRDEESSSSLDNDESAGGANEIVDSEIEETAEESSSVAVDAFEFPMVAVSVFAA
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>comp13376_c0_seq14; 666 426 2599 LEN=3417; minus strand; translated
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GWTWMGGLGGTAGGRLHGFVVDQVLQIEAVLPSGEHVRFPTDWEDSDGYLQPKTKVSG
VCNTNPQDEEEQVWVGACPEETDVLFDLWFAFRGGGGGTWGVVLSVYLQLHDYMLVNI
EKTSVDCSSNVDLATIIAKFVVDYLLDPGALNITREQSNMCAAANENLGTLCYNSNDPAM
GENLISLYQDFVSKNSEGLTEELAAIAPSCLSATNHTDGHLGGIPNFPMTKXSSSLSTAHR
EAGVMVLYLDSGSSSPKIPNPWLPSTYFMPSTYWPPLPEMYDFTSGDIPPHIGSNHLGPN
LHGPLRDNPTKPCPTWDLSSLEADSMCHSAQEAVWGTKTLKRLESIKTAVDPNGMDFCFH
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MVLFF

>comp13376_c1_seq1; 49 921 2450 LEN=2810; translated
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SCTGKAKLQYVRQWLTIRQYLESSSIYTDGSVKRVGVDYPSAPIEAPGLKDVLFFKKGASA
FYNPGNESFRSMIQDRYEIERSRAVLGGDQGFQSMYPYGAVESGGGSGIKRRVAAHVMDDEF
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>comp13376_c1_seq2; -37 921 2601 LEN=2961; translated
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RILRVKIALYLSYVLSERVEDVESQRNGIVILLWTDTRMPEWPGGRHPGVSKHQGLKASSVFF
VRCSALHICTPNTPRFRVLRISIVLLGLGRQLWARIIHLGEYKKHEHNDIVRMYATVSSK
SAKSFVATSPHCSYAFHDNNGLIFXGSGDQAELEYYLQGFQIAADAI PKSCTGKAKLQY
VRQWLTIRQYLESSSIYTDGSVKRVGVDYPSAPIEAPGLKDVLFFKKGASAFYNPGNESFR
SMIQDRYEIERSRAVLGGDQGFQSMYPYGAVESGGGSGIKRRVAAHVMDDEFRQGNLRALI
WNEKQSWWYVLSNETQIQRKVDRAVNYWTAMPGERSSSWGLLREANRGKRGSSQELEDNLP
ANKQMKPYHQAAEDHSLVNGW

>comp13376_c1_seq3; -37 753 2433 LEN=2793; translated
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GPYALERP IKLLDFTFTTELKAFRDGVSQILPHRDRAGRRIVFFSPNVSLDADTNKNWSKM
RILRVKIALYLSYVLSERVEDVESQRNGIVILLWTDTRMPEWPGGRHPGVSKHQGLKASSVFF
VRCSALHICTPNTPRFRVLRISIVLLGLGRQLWARIIHLGEYKKHEHNDIVRMYATVSSK
SAKSFVATSPHCSYAFHDNNGLIFXGSGDQAELEYYLQGFQIAADAI PKSCTGKAKLQY
VRQWLTIRQYLESSSIYTDGSVKRVGVDYPSAPIEAPGLKDVLFFKKGASAFYNPGNESFR
SMIQDRYEIERSRAVLGGDQGFQSMYPYGAVESGGGSGIKRRVAAHVMDDEFRQGNLRALI
WNEKQSWWYVLSNETQIQRKVDRAVNYWTAMPGERSSSWGLLREANRGKRGSSQELEDNLP
ANKQMKPYHQAAEDHSLVNGW

>comp13376_c1_seq4; 49 753 2282 LEN=2642; translated
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GPYALERP IKLLDFTFTTELKAFRDGVSQILPHRDRAGRRIVFFSPNVSLDADTNKNWSKM
RILRVKIALYLSYVLSERVEDVESQRNGIVILLWTDTRMPEWPGGRHPGVSKHQGLKASSVFF
VRCSALHICTPNTPRFRVLRISIVLLGLGRQLWARIIHLGDQAELEYYLQGFQIAADAI PK
SCTGKAKLQYVRQWLTIRQYLESSSIYTDGSVKRVGVDYPSAPIEAPGLKDVLFFKKGASA
FYNPGNESFRSMIQDRYEIERSRAVLGGDQGFQSMYPYGAVESGGGSGIKRRVAAHVMDDEF
RQGNLRALIWNEKQSWWYVLSNETQIQRKVDRAVNYWTAMPGERSSSWGLLREANRGKRG
SQELEDNLPANKQMKPYHQAAEDHSLVNGW

>comp13377_c0_seq1; 185 1 595 LEN=854; translated
XVISILSRSLSLFCFQEEETLRGAKTRAMSAYKAYRDAYDCFPHLFSFGLGGLWSSSLALD

HDGNETLWCMAWMAVYGKRESLLLKTIASREASVSQKDSNPIFSLSKTGSFMLPSAMNDL
IKKGMELGDADDKISGRKMSKKGSGTVGYLTDNLMGRSEYYEHALILALVPWIMPDAYSANGSPDLADGVGIDEEVER

>comp13377_c0_seq2; 311 115 870 LEN=1129; translated
MAELKLNKGVENDMQLLRIVAGTKNPKIDSVENAIKQSIKADSISDLEVHIEGFGVDS
GVDPDQPFQDEETLRGAKTRAMSAYKAYRDAYDCFPHLFSFGLGEGGLEWSSLALDHDGNETL
WCMAWMAVYGKRESLLLKTIASREASVSQKDSNPIFSLSKTGSFMLPSAMNDLIKGMEL
GDADDKISGRKMSKKGSGTVGYLTDNLMGRSEYYEHALILALVPWIMPDAYSANGSPDLA
DGVGIDEEVER

>comp13378_c0_seq1; 158 492 1262 LEN=2045; translated
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KMAFPHVRPLGQRHRSDEVLPMLRSMANNGDIVFRKNSAVPRNRVLLATALTVTLLKPR
ILSLLANTLYNPYQNALVQNPVVTKVITGAILAVAGDAMAQASSGAGEGYEYDKRRALSF
AVFDSCYRMFQHNMFLVIRAGRGNFVVGKLLPMLAPAAPAIEQTAIYQFLVVPVSGVELF
LFSILVELVSCGAWID

>comp13378_c0_seq2; 181 492 1439 LEN=1745; translated
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KMAFPHVRPLGQRHRSDEVLPMLRSMANNGDIVFRKNSAVPRNRVLLATALTVTLLKPR
ILSLLANTLYNPYQNALVQNPVVTKVITGAILAVAGDAMAQASSGAGEGYEYDKRRALSF
AVFDSCYRMFQHNMFLVIRAGRGNFVVGKLLPMLAPAAPAIEQTAIYQFLVVPVCLYYPVF
FAFTGFIQGLTVKQAVDRMKAQFFRCWRRNLMFVPMQMVLFGLIAENWQIPFAFLAGMV
WSTILSKTAGNTKKR

>comp13378_c0_seq3; 159 492 1217 LEN=1856; translated
MRMHYHRPFLFLQTLALVAIIVRGRVREADGLIQKPKVLQPGPSTAKWAANHPNRNSQKD
KMAFPHVRPLGQRHRSDEVLPMLRSMANNGDIVFRKNSAVPRNRVLLATALTVTLLKPR
ILSLLANTLYNPYQNALVQNPVVTKVITGAILAVAGDAMAQASSGAGEGYEYDKRRALSF
AVFDSCYRMFQHNMFLVIRAGRGNFVVGKLLPMLAPAAPAIEQTAIYQFLVVPVCLYYPVF
L

>comp13378_c0_seq4; 158 492 1262 LEN=1934; translated
MRMHYHRPFLFLQTLALVAIIVRGRVREADGLIQKPKVLQPGPSTAKWAANHPNRNSQKD
KMAFPHVRPLGQRHRSDEVLPMLRSMANNGDIVFRKNSAVPRNRVLLATALTVTLLKPR
ILSLLANTLYNPYQNALVQNPVVTKVITGAILAVAGDAMAQASSGAGEGYEYDKRRALSF
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LFSILVELVSCGAWID

>comp13378_c1_seq1; 483 40 1173 LEN=1547; translated
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LALSRSVLRPFWNLPEREAWHSMTHDERREALGCGAEAKAKAGAETSLAIHPPSTWAGM
REAYASVVGAEALSTLEPAVASLSLSATDTVTDSVTDTDHTAPLDPTDTAFRVPEYVRLS
EGRGRGVFAASFVPAGSLVYDFSRSAQFFKGEDFVEFLRILRPDLACDVLWMSYVQAFPG
GRDSIVTDLDPGSFCNGGGNASSNGSADAGAPNLGWVPEGGGNEDEDEDEDND
EYDDEYDDDEYDDDEYERPPAEPVRLAHAALFGEGTGFGRDAVKSAFPVALRDI SEGE
EFLCSYDALGDLSEVLG

>comp13379_c0_seq1; 165 646 882 LEN=898; translated
MLSMRSSSKKAEVQDVVKNVKENFFAIGRTAIRKDEDGCRKLPVVGSSGLEGYWKLPLS
EHGAMTFRALIRMTLCKA

>comp13380_c0_seq1; 1622 421 3531 LEN=3767; translated
MGRKSPDGDGASSGSDSKRKTCSKSTSCSKSKTKSKEKDSSKSFPLSIRKQPYGEAFW
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LKSLGITGGDDSLGKSRNESVFLAIAISLYVRTPSGQIFLEDSDVECTVDHLEELIA
SRLISDGVQEYTEHVAESKRLMLSFDGSPLNRGHAI SKFCIQDRGVLEVAFVNRDYEDGD
FVPPIEIKVSNASHSDDEARPTLTKKKSKRVKANANEDARPTLTKKKSRRIDSDDSESQPT
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DEARPALAKKSTRQGRSKNRDEDSLDSKLLKRSKRRRTKDDSKRKAGKEQAKEVKT
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EAKAAAEAEAIAAAVAKRKE TERKIREAEAKAKVDAEAADAKKAKAE EASKAKAAAKAKE
KAEKRRKKAEEEEKLLKKKAVAERRRRAEEAEERRRVEAEAKDIAGDAVDIAEEVK
EEAGSDTDIAKQAEEDAAAKAAKARAQAKAKIAAAMKAE EEA AAKAAAEAKKAERVWG
RVEAKAKAKAEAAA KAEIKAAAKAKAEAGADALRKIDSRTVIAPAGKLGMLLADKIDS
TGCVVLVGQASSAMKDKLSVGDWIVAIDGESVTRKTYDDIIDIICNKGEYDREFTVVP
SPSATFYELEYDDEEEESDECDGENTQSGVGLVWDYISSMHSREGYFPSLQSLHIGHEDG

SDSSAPSTSKSNSTAVTENCSEMTSDRSLVEDNDIDTNSDIDSQVGDDLDSFYVMTSDLS
PLSIQIDSASVSDVKDQISRVSGIPVSNLRLVSHEDIPIVTDSFNPSTGDILTAKPSTV
HVALPDHSEMHLSAFPNAQIGDVKDFIEGKTHLNRSKQVICFLETDCELDDATLIENDTS
LQLTTRSYPQKRKMAI

>comp13381_c0_seq1; 1263 89 3064 LEN=3189; translated
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QETSQNFERAFPPQASLPKLDEAVRPGDKTDAGNYSLTEGREKIFKQVDPIDQLPNQSLG
VGEAHTIGKSDVFETAPLENSNQPKDKASPSRLECDEPTPHRSNVAQIAVNIPEQIAAQ
SQKARRDKNEPFFLSEKTATETKLLSTKKSNNVVDTKTIGDAAKANS SVMKTPFTTNPKE
KQHKQKKNFEHPIAPINGLNGQEEHLRKTKEATI QSVQKATPKERDTRKVRRLQPK
NNNSIEMEAKALESVVSIDDDHKNIIKNDVANSTGFIKNETTIKPTNVIIEVVPSTSSQD
HKISCDGVERLEAKVKTSKSSKDIEYVLPSTSPQNHSISRVAVQDASGLQTNKGGPKRSS
QREDIYPNEDYKQKLSKAELDQKELQIQLENARKEIKTLQYQATVDKEKAESEKEDLLLQ
FQKKETRLQATSEDNHNQTLRLRQECAAQTQHLEQLLAKEQRESQDEKEEYKRLQESY
ANFDRVENQLKANAKKYEIDIAQAKKQEERALKVDDRMAQTMAVLDERDEEISRLKKAL
KDMESKVSEHKEGEEEADELEELHHENDALQKTVETLELERDRLREQVATLRTGSEELS
GLQMELTMLKEERARERSKSQAADSALEFRTQIDSERLNALSELKDSKQKLAALGDLE
IARSDNARMMANDNLQSALEAFQDERQAEMEMIEEQQRESEEAIKSAHATSTNALKQIH
QTEMDAIQRASDDAVRNVNMELVEGTIETLKSENNQMRRSLDEAIKRLQTTQEDVIDR
NVMKNILVDWCTLNDKSKRNQVLEVMANLLHFSEEEKEKVHITSNNLDTIRAKVVGALAV
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>comp13381_c0_seq2; 1250 89 3046 LEN=3171; translated
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QETSQNFERAFPPQASLPKLDEAVRPGDKTDAGNYSLTEGREKIFKQVDPIDQLPNQSLG
VGEAHTIGKSDVFETAPLENSNQPKDKASPSRLECDEPTPHRSNVAQIAVNIPEQIAAQ
SQKARRDKNEPFFLSEKTATETKLLSTKKSNNVVDTKTIGDAAKANS SVMKTPFTTNPKE
KQHKQKKNFEHPIAPINGLNGQEEHLRKTKEATI QSVQKATPKERDTRKVRRLQPK
NNNSIEMEAKALESVVSIDDDHKNIIKNDVANSTGFIKNETTIKPTNVIIEVVPSTSSQD
HKISCDGVERLEAKVKTSKSSKDIEYVLPSTSPQNHSISRVAVQDASGLQTNKGGPKRSS
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RLQATSEDNHNQTLRLRQECAAQTQHLEQLLAKEQRESQDEKEEYKRLQESYANFDRV
ENQLKANAKKYEIDIAQAKKQEERALKVDDRMAQTMAVLDERDEEISRLKKALKDMESK
VSEHKEGEEEADELEELHHENDALQKTVETLELERDRLREQVATLRTGSEELSGLQMEL
TMLKEERARERSKSQAADSALEFRTQIDSERLNALSELKDSKQKLAALGDLEIARSDN
ARMMANDNLQSALEAFQDERQAEMEMIEEQQRESEEAIKSAHATSTNALKQIHQTEMDA
IQRASDDAVRNVNMELVEGTIETLKSENNQMRRSLDEAIKRLQTTQEDVIDRNVMKNI
LVDWCTLNDKSKRNQVLEVMANLLHFSEEEKEKVHITSNNLDTIRAKVVGALAVPLPPP
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>comp13382_c0_seq1; 277 1 612 LEN=726; translated
EIAATEPVEEPTPPPLGPTLNGWTPDADKDCFGLPGAIAPLGYFDPLGLCKDRNLIGVKR
FREAEIMHGRVAMMATVGYLIGENTPTIAYGFDHPTIANNQIPEVPLFGVMFPFFLLINI
SEALRANKGWVEPGMGELFSLREQYYPGDLGFDPLGLKPTKAEDFANMQAKELSNGLLAM
LAAAGMCVQELVNGKPVLEDLPF

>comp13382_c0_seq3; 335 1 756 LEN=870; translated
QAKQTKSPKMFASASIIAAVAAPSATAFAPVSTNGASTMLKAAEVSEIATEPVEEPT
PPPLGPTLNGWTPDADKDCFGLPGAIAPLGYFDPMLGCKDRDLIGVKRFREAEIMHGRVA
MMATVGYLIGENTPTIAYGFDHPTIANNQIPEVPLFGVMFPFFLLINISEALRANKGWVE
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NGKPVLEDLPF

>comp13383_c0_seq1; 402 248 1807 LEN=2663; translated
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ASTKLGQTDHKEQQLKCGIVRGYSPGMKDRSSLSESVRGVFRFRGYQAEWSEKFEELC
AFRRAHGHCHVTHRCLEHENLAQWVKRQRYQYKLEKRSGLSDERICLLNNGIFWNS
HDAVWEERLQELLEFKRIHGHCNVPTNYEANPPLAVWIKRQRQIYKKHQDGEQNSMTQYR
ITQLETIGFAWEFRKNAANDTQRNPPYACSFTTTTAGHGPGVDLVNGLGTTMGDVHEVT
NRSTISIQSSFLEKITTGENERSLASCFTTECPSSSHSVHAMPNNAGYSLGRSTIDRMGGM
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>comp13384_c0_seq1; 808 169 1989 LEN=2409; translated
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DRFGGPPETAEMVYWRDIPSDAHFTSPYASYGDDPKYLTFEPDEGGFNNIRMSMETAT
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PGPEGVKEMQDLFNSMDMNIQNHKLWKKYVGNPTPVDAPAKERLSEMLSFRSKVCLYDDH
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AAVRERAIANGNPDGEYDSMHIRRQDFQYKQTRIDAKRIYKNIKHLFPANATVVFVATDER
DKSFFFEPLRKHYNVLFDDFAHLVADVKNKYGMLDQRIASRGRTFAGAYYSTFTGYINR
MRGYHSQKNKLEGEYEEGRLNSFFYVPKDLQDEISVYSSLKGPLWGREFPVSWRDIDHDLS
PSQLLA
>comp13384_c0_seq2; 334 1 1047 LEN=1467; translated
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NIQNHKLWKKYVGNPTPVDAPAKERLSEMLSFRSKVCLYDDHMQKAKVMHFMGDNASGAR
LLVHFYAFMFFEDWKQDLWTKRYVRDHLRYIDEIQCAAARIVAAVRERAIANGNPDGEYD
SMHIRRGDFQYKQTRIDAKRIYKNIKHLFPANATVVFVATDERDKSFFFEPLRKHYNVLFDD
DFAHLVADVKNKYGMLDQRIASRGRTFAGAYYSTFTGYINRMRGYHSQKNKLEGEYEEGR
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>comp13385_c0_seq3; 173 230 955 LEN=955; translated
MNHPIELTRFSDYGDTRWRGLNEVLLNPRQNTIVASTAKLNQYYLDFEGNDQKLYTCHE
LGHGFGPLPHWDESFNKNLDGNCMDYTQRPDRNMRPDDSNFLYLAQLYGGREVATGKDL
SAKDVRDMVWAEKEAGPKDPSPFFRSGAXEEDADVELWEQEPGGEKRKLGLRGGWQRGRRL
FYRTKRVLASDDVEVHLVESDGFPGGLVLRHYLLVRDDDDYYAANESRSPQRSANEYYST
TT
>comp13385_c0_seq5; 468 1 2453 LEN=2453; translated
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PSPTGAGAASASAXVEPESEKRNSEKSEPQEAHREPRRSHPPPEEQRGRREEPPGAEQER
REKEEEQRKHQHEHQREPEHQREDRLAEERQRQEPLAEQQAVVLEVLGRGRLALPALPG
RGRQTPGPVVPGLSPKGAPEARGGALEGPERERAAPRALEAQAPTVVVVGRPVVEAPW
PSEGAYGEASWGASQEDLDAEYARRVQAEC SYLDQQQRLEEVQAASALGSPGREDAGGS
LEPSWSTGTGTGTGIGIDNEPLAAASGYHDDDEAVARRIQQELADA EYARRIGLAEQNL
ASQTALREAQAHLLEASQNSRKHCVLRWMPGTGICLAVAVAVPLLFDFVDFDPSDVPFFG
DLFGDDWVGNPWSGTNMTIDVVNGT SVPRLP PGAYGWATLGGKETGKGLSLDLLNACSD
DYQVFVQEAIRNWDEGSPIDSLTLYSNRIDYESECTTVTGKMKICNGDYGDTRWRGLNEV
LLNPRQNTIVASTAKLNQYYLDFEGNDQKLYTCHELGHGFGPLPHWDESFNKNLDGNCMD
YTQRPDRNMRPDDSNFLYLAQLYGGREVATGKDL SAKDVRDMVWAEKEAGPKDPSPFFR
SAXEEDADVELWEQEPGGEKRKLGLRGGWQRGRRLFYRTKRVLASDDVEVHLVESDGF
PGLVLRHYLLVRDDDDYYAANESRSPQRSANEYYSTTT
>comp13385_c0_seq6; 563 1 2505 LEN=2505; translated
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TSKGAATGEKNRHRKPPSPTGAGAASASAXVEPESEKRNSEKSEPQEAHREPRRSHPP
EEQRGRREEPPGAEQERREKEEEQRKHQHEHQREPEHQREDRLAEERQRQEPLAEQQAVV
LREVLGRGRLALPALPGRGRQTPGPVVPGLSPKGAPEARGGALEGPERERAAPRALEA
QAPTVVVVGRPVVEAPW PSEGAYGEASWGASQEDLDAEYARRVQAEC SYLDQQQRLEEV
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ADA EYARRIGLAEQNLASQTALREAQAHLLEASQNSRKHCVLRWMPGTGICLAVAVAV
PLLFDFVDFDPSDVPFFGDLFGDDWVGNPWSGTNMTIDVVNGT SVPRLP PGAYGWATLGG
KETGKGLSLDLLNACSDDYQVFVQEAIRNWDEGSPIDSLTLYSNRIDYESECTTVTGKMK
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PLHWDESFNKNLDGNCMDYTQRPDRNMRPDDSNFLYLAQLYGGREVATGKDL SAKDVRDM
VWAEKEAGPKDPSPFFRSGAXEEDADVELWEQEPGGEKRKLGLRGGWQRGRRLFYRTKRVL
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>comp13386_c1_seq1; 95 208 825 LEN=1207; translated
MISARVYRASLSVLVILIGSSFYNGKGTGIAMTGVESFAPLAKQRRSGARTEFQKPGP
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EGGVFLGVLAGILVLFVLLSGALG

>comp13388_c0_seq1; 568 153 1751 LEN=2263; translated
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ATTTEGASIPNEVFNLVKGIVGVVLSLPAGVAAFSGSAPSAFIPAGILITIIIGILSGYGF
ALIGKVCAYTGAQSYREAWSKTVGESSWIPAWSVTFKTF LACLAFSMVLADTFSSLEET
TRNPTLLVVTGLVLLPLCLLKNLKSLAPFSL LGVMGMAYTAVAMTLRFLDGSYAMGDETQ
GKFI EQVASSLRPKFGNLGAESVFSNALILVCMLSTAYMAHFNAPKFYLELKNNTIPRF
NSVVKYGFGISIFLMGFISMVGF LTFGKACDGLVLN NYAGSDILMGFSRVAVAVSLVFSY
PLAFTGCRDGF LDLANIPVEKRSRILNLMTFGLLG VITFFACALKDVSFVLA FGGATLG
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>comp13389_c0_seq1; 159 228 683 LEN=1303; translated
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>comp13389_c0_seq2; 777 167 2101 LEN=2721; translated
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VSQDQPHQKPTTNP IHHHHHP LLGHPQAPDVSAAMP RYENTPVNQAYNVQSGAVV NNGSS
TGNLVVAGQQQQQQS QLGGIVCADPQATATAAAAAA MF SQPGKNNRNNNSNGGNRTS
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GSSPLQVPQDRARQLVDQFATLASRLGIDL PDSVLQSLT SAAKNDPTLLLNTQQQQQQK
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RDETS CVSTELTAMAPT VIELRKTAE EAI AAVTQSNKDPASATENQSRAGS NSLNSSSNT
GTEHKPTY SKRRKKPRLSDCEAKLAQLKAENEQLKRHLQNVSNKAHKFDMEKEMASKQIA
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>comp13389_c0_seq3; 765 167 2476 LEN=2530; translated
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TGNLVVAGQQQQQQS QLGGIVCADPQATATAAAAAA MF SQPGKNNRNNNSNGGNRTS
GIKRQSSAIPMMSAPNNGVTAAAPHPSSAPAI VSSSNAP IANGAGGQQSLQATHADSPSS
GSSPLQVPQDRARQLVDQFATLASRLGIDL PDSVLQSLT SAAKNDPTLLLNTQQQQQQK
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RDETS CVSTELTAMAPT VIELRKTAE EAI AAVTQSNKDPASATENQSRAGS NSLNSSSNT
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QLMYDPNASPRDMGVAVRKFSDMYSDYGVNRQQELSFHLEQLQRLVNPTNFTKMGLWTLG
HTNQGT KKNPIAGILVKELDITPQQGRKILDQSEKIRQLCENLKEAHS LLVKKHLCEKK
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>comp13389_c0_seq4; 625 167 1612 LEN=1612; translated
MYHQHHEHQIQRH PQQQPQQPQQSQQQCPNRRNGYAPGSDG SNGGPTAAAEGASSAS
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VSQDQPHQKPTTNP IHHHHHP LLGHPQAPDVSAAMP RYENTPVNQAYNVQSGAVV NNGSS
TGNLVVAGQQQQQQS QLGGIVCADPQATATAAAAAA MF SQPGKNNRNNNSNGGNRTS
GIKRQSSAIPMMSAPNNGVTAAAPHPSSAPAI VSSSNAP IANGAGGQQSLQATHADSPSS
GSSPLQVPQDRARQLVDQFATLASRLGIDL PDSVLQSLT SAAKNDPTLLLNTQQQQQQK
RQDDHQQQYQQQQTKGTFK FATPARSTAALVGKGT TAATSNSGSVMAFVVHSIVQVLDNNN
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>comp13389_c0_seq5; 117 228 1058 LEN=1112; translated
MAPTVIELRKTAE EAI AAVTQSNKDPASATENQSRAGS NSLNSSSNTGTEHKPTY SKRRK
KPRLS DCEAKLAQLKAENEQLKRHLQNVSNKAHKFDMEKEMASKQIAQLMYDPNASPRDM
GVAVRKFSDMYSDYGVNRQQELSFHLEQLQRLVNPTNFTKMGLWTLGHTNQGT KKNPIAG
ILVKELDITPQQGRKILDQSEKIRQLCENLKEAHS LLVKKHLCEKKTRTFQDHMNKCTE
ILTSKQVVKLI IWINGHTQLLDSVCPGWGTEHIHSK

>comp13390_c0_seq1; 120 113 595 LEN=784; minus strand; translated
MTSCAEKSTTYDFINVPAGVCNAQALNTPSSFXDALDFDF FALDSGGMPEAIGPLSFQVPG
VVALSRFRPFDRAPADPETFLGTAVGFHPRLVAQGRQQV VHGAGDGAGDAASDSEAPRT

GAAAGPGPDRIDRERPLPAASGAGDRRRRLFAPQFQSSDMW
>comp13391_c0_seq1; 458 1 1356 LEN=1475; translated
PRSPRATIQQGAMGQWTKSPAPRKHHVADVAEALYGTAPEDLSAPATGSGYYYYQHTTIND
HIGGGSNVSRRRFRSSSANNEPHRHGGPVPCAEEKPLDESTSSGGGSFSNGFDYDYDEHD
DDEEDERDRYGGGMRHRDGGPGEASSHRRRKRHRPPTKPPPVPVKENWKEKEDRLRSSSA
YGHHPGWRLLPVLIKSNDLRLQEQQLASQLIQRMALILARDKIGVWLCPNELALEANGGI
IEAIPDTISLSALKKNDPDYTDLNGFFFEQYFCEDDALADAKASFCESLAAYSIVCFLLQI
KDRHNGNILLDNRGHIHIDFGFFFLSSPGKNTGFESAPFKLTREFVGVGGPDSHLFAV
FRNLCTYRTFLSLRKHCHHEIIVLVEMLQLGNEELACFRGRPEDAIEHLRQRFRLLDNDRAC
LEYVNALIDESLENWRTNWDYQRYCVGV
>comp13392_c0_seq1; 204 569 1393 LEN=1783; translated
MAPARTLRRRNFGHGGFARWSSAVVVAFLAASAPPVAEARPTPLFHGSPVHRIAPAHRR
VSLWFPHPTTEHHRQPPPSLWSPDRLVAPARAFAERVRSRVSDLGPRDVFRLVVRMARAW
VFWYFVKDCMDSIYEDRWHAERDPEDFFGSGGMWISRGAHKNVVKRRIQRSKRNRQWVGL
GYTPRLVWLVGVLLRGTFCQTSIPKVFNPRLTGWGAGTVLGAKCTHQEWISAFMLGWFGT
EHYWKFLFGCDGPPHPGRDGFDPITINKVRLF
>comp13392_c0_seq2; 108 1349 1665 LEN=2151; minus strand; translated
MEAAAAGGVRWDAGTTATRAYAPERSGGXGDPWKSGLASATGGADAASKATTTAEDH
RAKPPWPKLRRRRVLAGAMLPAETIGLPIELSCTLVPLLLIIDS
>comp13393_c0_seq1; 720 368 2599 LEN=2714; translated
MPASRNSAGNTTSSDWATFNPYGETGTADNTSSSSNSWPLDEIMDDIEQQMDQQSDAM
GGMARQLEGIEVSLSDARTRHSKKKKIPLSSSRHTLSYNKRNTYTSRGNENDEGTSVCF
GENVNRVSYTSSHQHSINQILQRTSELREKSGDRARNTMPQDFPPTHVQHSRRSIVRA
ELSSSRPRASKNRGNPKRIRSSSTWEESDSSNLSGSPDDVSELGETTFYSDKSSGCLRS
TKLKYFLAVLAAILVLLIGALTGQLVQRGNQONSTSQFSPQEQETEQLTNAEENASSIVKD
VPENTPTVAFEDSVDETEEMTVVGNAKEPPFEGTISSSALPVPKPTIAPTANEPPIEVAP
STSGVVNQNPVNSDLKHDYTANSDFLVGVYYPWHGERFHNDRDGYMRKELEPPHVPVTLG
EYNDSDPKVIGQHMKWFRQANIGLLVTSWGWPNRLEDSNTKDVIMQHEDIGNLNIAIHYE
TTSRLGAGKEKLPNAKTDIKYMCENYFDHPNYKIDGRPVLFVYISRKLHEVGTLEEALL
TMRSTASKCGHNIYLIGDSVFESAPDPNEPHVFPWFYFDAVTNYDVYGSAGRPEGHVGMG
VDKYRQSQWKEQASRDECYIPAVSPGYNDRGVRMQSDHPPLSRRIGSNTQEGSLFHY
QLKQAKELVDPKVDNMLVNSFNWEHEDTQIEPVMGAPSSKPFNFTKGLEVYGYDELYLD
ILGAATSKDESRSMSFDYLFSGR
>comp13394_c0_seq1; 601 247 2204 LEN=2294; translated
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VSNLLLGKKNIVLVGAGISTSVGIPDFRSKDKGLYNTLDAEALGLSCPEDLFCIEFFRD
NPSPFYKFATHLYPNKEKEEESKSIKNNNNRTSNSKNTRRRRSKHVEPVRAPARKSRRIE
TKGELHKQQRGEEEKQRNQVHSDVANHGMLPDSHKLALLLEKKKMLLRVYTQNIIDGL
ESIAGVSDSKIVYCHGSLKSMCTKCSRKKLPLDSEILASIEGTGNVPLCQAAIKRPKGSN
NVKEQERDSPAPKPSPARTSNRRRKRPRSFATTMGEESDVCNNCTDGDIDGGDTKNSFNK
NRTGNVCGVLPKGITFFGETLDNSVARKIESDQHKADALIVIGTSLSVAPISKVIEYLP
PTIPRILINRTIVHPKKATTTVSENKHGTNDFRTNYVFDAYLLGFCDVTRALGKQLSL
GFDIGEGETRKENQERKANNKRTAIQSKSNNHASAMAALTSVANDVEPSLAPSSSLV
SSRSASSASNEWSSVTPKERVILFPGALSNASGSAASDNEVAEEVYNEIAHCDGXFET
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>comp13394_c0_seq2; 601 247 2204 LEN=3598; translated
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VSNLLLGKKNIVLVGAGISTSVGIPDFRSKDKGLYNTLDAEALGLSCPEDLFCIEFFRD
NPSPFYKFATHLYPNKEKEEESKSIKNNNNRTSNSKNTRRRRSKHVEPVRAPARKSRRIE
TKGELHKQQRGEEEKQRNQVHSDVANHGMLPDSHKLALLLEKKKMLLRVYTQNIIDGL
ESIAGVSDSKIVYCHGSLKSMCTKCSRKKLPLDSEILASIEGTGNVPLCQAAIKRPKGSN
NVKEQERDSPAPKPSPARTSNRRRKRPRSFATTMGEESDVCNNCTDGDIDGGDTKNSFNK
NRTGNVCGVLPKGITFFGETLDNSVARKIESDQHKADALIVIGTSLSVAPISKVIEYLP
PTIPRILINRTIVHPKKATTTVSENKHGTNDFRTNYVFDAYLLGFCDVTRALGKQLSL
GFDIGEGETRKENQERKANNKRTAIQSKSNNHASAMAALTSVANDVEPSLAPSSSLV
SSRSASSASNEWSSVTPKERVILFPGALSNASGSAASDNEVAEEVYNEIAHCDGXFET
DSTGEADLQVLQVFRFRSVPEVLSKGIKTALQRRAYVSKRMRQIATRDFIGQ
>comp13394_c0_seq3; 599 247 2186 LEN=3580; translated
MIETLTVPTGKSKSVKRKNSTTKERRQKKMGIPPPFHLIQQSEESLGNPAGASVNDVLEG
VSNLLLGKKNIVLVGAGISTSVGIPDFRSKDKGLYNTLDAEALGLSCPEDLFCIEFFRD

NPSPFYKFATHLYYPNKEKEESKSKIKNNNNRRTSNSKNTRRRRSKHVEPVRAPARKSRRIE
TKGELHKQQRHEEEKQRNQVHSDVANHGMLPSDSHKLALLLEKKKMLLRVYTQNI
DGL
ESIAGVSDSKIVYCHGSLKSMCTKCSRKKLPLDSEILASIE
TGNVPLCQAAIKRPKGSN
NVKEQERDSPARTSNRRRKRPRSFATTRGEGSDVCNNCTD
GIDGGDTKNSFNKNRRTGNV
CGGVLKPGITFFGETLDNSVARKIESDQHKADALIVIGT
SLSVAPISKVIEYLPPTIPRI
LINRTIVHPKKATTTVSENKHGTNDFRTNYVFDAYLLG
FCDDVTRALGKQLSLGFDIGE
GETRKENQERKANNKRTAIQSKSNNHASAMAAKLLT
SVANDVEPSLAPSSSLVSSRSAS
SASNNEWSSVTVPKERVILFPGALSNASGSAASDNEVA
EEVYNEIAHCDGXFETDSTGEA
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>comp13394_c0_seq4; 599 247 2186 LEN=2276; translated
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NPSPFYKFATHLYYPNKEKEESKSKIKNNNNRRTSNSKNTRRRRSKHVEPVRAPARKSRRIE
TKGELHKQQRHEEEKQRNQVHSDVANHGMLPSDSHKLALLLEKKKMLLRVYTQNI
DGL
ESIAGVSDSKIVYCHGSLKSMCTKCSRKKLPLDSEILASIE
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CGGVLKPGITFFGETLDNSVARKIESDQHKADALIVIGT
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LINRTIVHPKKATTTVSENKHGTNDFRTNYVFDAYLLG
FCDDVTRALGKQLSLGFDIGE
GETRKENQERKANNKRTAIQSKSNNHASAMAAKLLT
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>comp13395_c0_seq1; 961 301 2835 LEN=2955; translated
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LASTLALPMFSLRKGLRWSNDSE
RFIR
YLDIADIDGWQVGAIGVQKLENAKKPISESE
REKLVTIYHHGFKSMCF
SIADENRQYLI
EAIKGMKARYNLMPWINNDQ
LLRYIYYDIDKDKNGT
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LLYAVAIGDDVMPA
EGLWDKLFKEDKPVGPKK
FLQKFLHK
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HFLHSKYNAAYDPAATA
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GDLRSNSSVEAYQNALNR
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VMAKDMNEIF
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CIPK
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DAYIQVDLH
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TEEHVKE
SNKTSTV
NNNGYN
PVWKK
GNAFTY
EV
HNP
DVAMI
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STL
FV
KIEH

>comp13396_c0_seq1; 1069 433 2819 LEN=2860; translated
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GKNRGKTS
LRLGTS
GRRQRRT
SSR
GSLR
KRDRTS
EREARAEAAEIRNTV
SLPEGPI
SVQALAE
IIDEK
PVAVIK
FLMTD
CGVMA
SMTQ
NLDPST
CVAVVEGF
GKIVGGD
DEDEDE
EDDDY
DDDSAL
AMGFV
VEDE
DEALM
QPRP
PVVT
IMGHV
DHGKTS
LLDAIR
NTRVT
AGEAG
GITQH
IAAYQ
VDHEG
QSIT
FIDTP
GHAA
FTDMR
ERGANIT
DIVIL
VVAAD
DGVKQ
QTADS
IVCAR
QAGV
PLIVA
INKID
LETSD
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VGP
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SLVV
DDEQ
TART
LAES
RQRI
AREK
SSNS
YQNA
LMDS
VSLQ
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VAAS
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QNI
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YSIV
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ESVE
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VQE
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RKGG
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>comp13396_c0_seq2; 1078 433 2831 LEN=2872; translated
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SAG
SGSD
SGPSSGDFGRNDRRKRNTGARRAPAEGRGD
GKNRGKTS
LRLGTS
GRRQRRT
SSR
GSLR
KRDRTS
EREARAEAAEIRNTV
SLPEGPI
SVQALAE
IIDEK
PVAVIK
FLMTD
CGVMA
SMTQ
NLDPST
CVAVVEGF
GKIVGGD
DEDEDE
EDDDY
DDDSAL
AMGFV
VEDE
DEALM
QPRP
PVVT
IMGHV
DHGKTS
LLDAIR
NTRVT
AGEAG
GITQH
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VDHEG
QSIT
FIDTP
GHAA
FTDMR
ERGANIT
DIVIL
VVAAD
DGVKQ
QTADS
IVCAR
QAGV
PLIVA
INKID
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VMTE
LTYD
ILTEEL
GGDVL
SSQIS
AKEK
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LLDK
IMLQ
AEIQ
DFKAN
PDR
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VVEAN
VE
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VKKGT
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VGP
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FEG
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SAGD
SLVV
DDEQ
TART
LAES
RQRI
AREK
SSNS
YQNA
LMDS
VSLQ
FGAT
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FMY
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VKAD
VKG
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TRAL
QELK
LEN
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VT
VKV
LVSD
AGEV
SKSD
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VTP
GTT
VIA
FNV
VAAS
MAAM
DDARI
QNI
PLEY
YSIV
YDAI
ESVE
SRM
QEV
LSPT
PTG
EFT
GAAE
VQE
VFN
IG
GT
NIAG
SRCT
EGIL
RKGG
NVR
VMR
GDK
ILTE
STIK
TLRN
FKA
ETD
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CGI
GLAD
FED
FTP
GDV
IECY
VE

TELTGYDILTEELGGDVLSSQISAKEKTNLNDLLDKIMLQAEIQDFKANPDRNAEAFVVE
ANVETGLGTVATSLVKKGTLKVGDI FAAGETHGKVRALISTNDGKTRLKEVGPSTPVRIV
GFEGIP SAGDSL VVV DDEQTARTLAESRQRIAREKSSNSYQNALMDSVSLQFGATKEQRF
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IAFNVAASMAAMDDARIQNI PLEYYSIVYDAIESVESRMQEVLSPTPTGEFTGAAEVQEV
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>comp13397_c0_seq1; 960 20 2380 LEN=3171; translated
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TDSGDRFHATGAWQSTPLLMKGAFLDDVNMEPTSKEYPFP TWEEVAELACIGGGNNYNEA
LGNNDDGDDHDL PGLDPNGEYFGQLGEGNDADDLDAWIDEDDDDEDGGEAYVWDDDDDEI
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EDGVDETDQITRNANENIARTLLVNDVDRWIPKLS EWMDRRFNSNGSGGSVL PARWRRDD
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RDETD SILPESSMNGVRIVNVTKLEALEEQRFGRPRTKMTRLYLRPGDCLYLP PRVLHCG
TALKSETNGECMTLSVGCRA PSALELLDGLSDLMKKSAVAPTSGSKAGAAPLFP SDVSVQ
SFHKRYTNSEMRGEQPSDGSNPRGRTSSKTS HSPSSWLSPVVKDEMRA LVLDVRIAL
DDENVLDP LVGRFVTRSNRLEEDDFGGDDSSSLPSFSY PKPLRTLANDGADVWANATTA
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VVVGEKW

>comp13398_c0_seq1; 792 279 2174 LEN=2733; translated
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DRLL E EYIRPGLFVALPIANASASMVDDNNKIGIQVAVLPPSSSLPSFVFLTKSLHSRLR
AEGFLSQPLATAMTTGGSQEENFVGLPWSLRLLADISRDISSSSSHKRNQTRITWTTTPA
SGVAPPPSAAAFQ RMLRNSWIEAEAVRPDWRYSGINFKLATGTTLDALAEGLDASRLVH
EAYLERNALE INGGNFLSDWTNQRKQQQTRADNSGDHQRHVRFRVAAECRESILAASA
NIPLRSALAGGNWGSVTNTLLS INLNGGGAGQTRLVSLPPPLWLTLKQSMGCGGLGSSSS
WMLHLSQVVA FDRDIWNILEERAPVRNHIGWVCQVERRRDGTPSAGGKNAETNAAAAYS
NSSTFALGASAQFN RNVA AKAVLESTFHDGTLRTSSSSSSSASSGNHDKNSAVLKFALI
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>comp13399_c0_seq1; 404 1 1396 LEN=2011; translated
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LTARHDAREGEDGNVRRVRFLSGIVVDDDSRGT VAGDDSDDLHLWGDILSVISALFYGVY
AVMIRVICPRDESLMSMQLFLGYVGLWNMVALSPIAIYQLGIAKSVTVSSWVLS CVVING
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>comp13400_c0_seq1; 326 250 1579 LEN=1752; translated
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TFLEPF S NDSPENDVSPCSLS SFSK FAMSEPR LKLISRLLDIDKNLQAVHSRLTGELY
FLFISLDSFIQTKVVWNSIFYPXNRKRPNCLRLARVRNAELDFIFEVGXIMKSHQLTESTL
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>comp13400_c0_seq2; 441 250 1362 LEN=1535; translated
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TFLEPF S NDSPENDVSPCSLS SFSK FAMSEPR LKLISRLLDIDKNLQAVHSRLTEGAQ
QGSTPIFWKNYFFHCEKVR AEELDRREAGRATSPSLGILDSFGFASLNTDLES AKDDSVN
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LRVIRENKKH

>comp13401_c0_seq1; 179 1 734 LEN=1467; translated
XSVDLCKLPSRFKSSYKWP SLAEAYGFVTKGQKGELENAHDALADSEACLEIFRYLVEHG
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NSIHEIQHSDGEWNGGIDRSMEIEEMAASWSPEDSWNSSQKTDVISPNNNIRSNDSDSISK
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KAGE

>comp13402_c0_seq1; 210 182 1381 LEN=2363; translated
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ESIATQEELALRRVMDESRS EYLKRTGRGTSENDSDDDLQRAIKESRLSAEQVSFSKNGK
LAATSPKAGVCLSAXPASMSAYLPTYP SNYLPLSLC SERLPCFYLDEQNNALSLSMDMAT
YFDLEQAALENS LQSLGQKEEGKKQRASTGKAASQNINSRKSSSNGNTLDPK PATRGDRK
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>comp13402_c0_seq2; 577 359 2737 LEN=3719; translated
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RYSTKDKKANCTMVSAGGRQNHYRGNRNIRDAEEEDKWR YRNNSDIDAELHRVVLRRTDN
PSESHACEDQQCFENDPASARGDTACFSSERLADHTRIQSNGRCSSATNGATGN YAVPER
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DGVHGNNS EIQASSELFNRPIEVFT PQNGAVPLNIFHAEYKTGDVPIRLSYHDGNHYN
VIDPLAPTAGLGLGLPGLQPPGYADKMQMTRAVAESIATQEELALRRVMDESRS EYLKRTG
RGTSENDSDDDLQRAIKESRLSAEQVSFSKNGKLAATSPKAGVCLSAXPASMSAYLPTYP
SNYLPLSLC SERLPCFYLDEQNNALSLSMDMATYFDLEQAALENS LQSLGQKEEGKKQRA
STGKAASQNINSRKSSSNGNTLDPK PATRGDRKVAASLPKSTSVDSLPCPSRENI PKAAT
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MLS LCLSTNDLYK

>comp13402_c0_seq3; 653 359 2578 LEN=3560; translated
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RYSTKDKKANCTMVSAGGRQNHYRGNRNIRDAEEEDKWR YRNNSDIDAELHRVVLRRTDN
PSESHACEDQQCFENDPASARGDTACFSSERLADHTRIQSNGRCSSATNGATGN YAVPER
EGPFRGVSGSASAPLCS DNGKRRASEHGDGAAEGSGPNHLTKEEIRFRNV LKRERGLEIR
EQAGDGNCLFRAISLQVYGDPSMHTEVKRRCMDHMERDQEHFSQFVTGEPFLRYIARTR
DGVHGNNS EIQASSELFNRPIEVFT PQNGAVPLNIFHAEYKTGDVPIRLSYHDGNHYN
VIDPLAPTAGLGLGLPGLQPPGYADKMQMTRAVAESIATQEELALRRVMDESRS EYLKRTG
RGTSENDSDDDLQRAIKESRLSAEQMNRNNALSLSMDMATYFDLEQAALENS LQSLGQKE
EGKKQRASTGKAASQNINSRKSSSNGNTLDPK PATRGDRKVAASLPKSTSVDSLPCPSRE
NIPKAATASAAA STAARMPANVGASSQQPLLPLEQYPSV VREMVSNGFHPRCAANAYELV
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>comp13402_c0_seq4; 286 182 1222 LEN=2204; translated
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ESIATQEELALRRVMDESRS EYLKRTGRGTSENDSDDDLQRAIKESRLSAEQMNRNNALS
LSMDMATYFDLEQAALENS LQSLGQKEEGKKQRASTGKAASQNINSRKSSSNGNTLDPK
PATRGDRKVAASLPKSTSVDSLPCPSRENI PKAATASAAA STAARMPANVGASSQQPLLPL
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>comp13403_c0_seq1; 1139 417 3170 LEN=3408; translated
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VPGVSVILSILPDVQLGTFHVTGDEVPDDYENMPSEQWKKSIGLSSSQSGDENDGSGPAV
MAFPSPAMSNELDDFLRGMEMHIPGCNIFGSVASTVSSLSRARLFRYDAKMENSGDSVVQ
TLADGCVGVVMDGDI TVQTMMAK GAKPVG VYNI VKGEGSTISAVALDEAATELVVAEE
LDEEEEEEDDEDYGD DERKAKRAKMAAAYAKARIPKPVLAEANFVMKTLSDDDQAFMRK
FILVGLERPGSRAGTPSELTRLTEGKGHG YAVHQV ASASMKDGSVTL SLGSVDIEQGTRM
RFFVRESDFAKKEVEALWRGYKKRRSKSDGSASASSPTGCFIFPTLDRGSKFFSGKPGF
EGSTVSKFLPSVPCVSGFFGNGVIGSMSADPELPSVAEEATMSG SATGYFLIGSKSNRPI

YSPGKSGAYDTEEEKESDATEELMEERKSLDLKEKKAPRDENGELILRRREVSSGRAMT
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WIGPVKDAASKNRFVVLPDFKRTPEGSGSLRKRYDVSKLAREFTAKGVSAISVNCDPVLF
GGSLLEDLTKVREASAKAAIESSTLDDGVNAPPILASDLILYPYQLYKMRLAGADAVNLIV
GALATKDLVYLTKIASSLQMQSMLTVTSVTQVENLKVLP TGSIGGLLVSNRELEDFSFDM
TGRQALDILQSSALRELKEKHGDDIPILVEGRVGIIRMKDENGKESSEAYIKELRDAGAT
GAVVGGGLVSDEFDLPF

>comp13404_c0_seq1; 349 102 1445 LEN=1581; translated
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PSGGDEWTAGCDSLTLPHVTL DGLWESLIFNSNIKRKLL EYAKSAIRFSEKQVFQHI VH
WNRILLHGGPGTGKTSLCRALAHKLSIRLRDRFPRTTLEI HSHSLFSKWFSTSGKLV S
ALFSMVRDMVEDDPERLICVLI DEVESLASSRSNTGNGDPSDAMRAVNSLLTSLDRLRPF
PNVFMATTNITGRIDDAFVDRVDLKMHI GMP IIRARYEILKSCLEELMRTGIVDLHEFA
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>comp13404_c0_seq2; 259 982 1581 LEN=1717; translated
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TNITGRIDDAFVDRVDLKMHI GMP IIRARYEILKSCLEELMRTGIVDLHEFAEFASLAEK
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FLKALS LAVDSEQESRLKL

>comp13405_c0_seq1; 353 1 718 LEN=1050; translated
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YGARYPFDRKPLESGVLDSISKFGIPTTDIDGTKI ISENSTPGKRITDRSAQDVAAAFNK
LAAIYGEERAIEMVKIFP ICLSFDPNAFAGSFGVWSEIFGEEETKDMVCRNPGLLAVKEK
DAGKNSDNTMAFSYIVAATRP I GILGPVIGIGSLLSVPVIEGTTGIAIKQPFDFALGNIF

>comp13406_c0_seq1; 692 612 3272 LEN=3722; translated
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VFANANPVPCFDWVESGMDFLGCGTI ADASQKSKDSKRNNASPNRHGHGQLYSPLREEDIL
ANKMRHL DLMGRDYMQLHEDFFDSLLKEEGDRILATMAASAVSSQQNKSFSKKSNNQKN
AVHRSSTSVASENTNCDTHSSLDNYSNGNSNSNTNSGHTRTSLKTISSKTTSSKTI STTK
TSGTKTVSSIKSVRLGRCGSFCKKKKSSDKEIEKYDEIYNPDKDGNNAKPI SASNGHPST
PLAPSSD TTANNAKKLSSSNLSIRDIMSKTHLEAPSYLHMECKLQKDKGKGETLGNSVS
AEGRELT TLKLRDKMKLIVEVSGELETSPNKNKDDTFKSMSAGMKRRRAKIALIENNNRC
TTGEDDGSYIIETRSMI EFQLGFLSMQYGLLLRWDAYRSGQIVFVCLRKMCHDSFYTKIP
SPPPI ISTSVKSPNTSPTARRDGATSQYPKS IMKKSSQERIP LNTNHTDVGRSGRIPDTV
GAMKKREITPPFVIRSPKGGNHAIYQRSSGATEVVLVDAPYRVPHPKVFAPSILSLDVHR
LTGLDPKSRWTLIMTFDGDTEIAHLRYNRREGVVFETTRSAPCTWELDMMPHGAAAAASF
VVTGLEIRLFEQRPKHRLRGVANGVAGMVGGRSSSSSSSYVPAGSDPFSMSSPSNSYVIQ
NQRLTYYSGSGNHNNGNRIYRTNSESSLGNSNGTSSLKKSTSRLASTMTVPLGGLVCQ
PSTSQTTLWKLTI PFTHNENAEVTTLMHQSEYAHWLYQELRARRKEEVAASRVSPLWRS
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>comp13407_c0_seq2; 708 161 2845 LEN=3107; translated
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DGAGCN SFESSAIMNMLDARDDYLEKVSSDASMI GSNHHRALLSLSKAYRKALSNCLEVE
SEDI EKQKLESQETENGTEVELQE QERDLLTMTCSFLHLSSIFLLLPSRQGDSSMDLDGG
FMYEDEIMGLPGAATADTVRYLRHLHFLGDAAELVDPVVLDELYEVLAPDMYGEYDGTDD
GGRGNLYWELIEGYVVRGCL EEA WALLSHSLVGVQFKELEEEEDT LSDYRANSLAQDREG
FRALKNILLSGPLPGGRNNRFDEGDFD DARSAGAGDAEEEEELFDGI STFAYRLWETSSEH
DGSIDVRAGDYAVRFEPNARQVHYWKQAIDGLPALKRRLRQRI PQLNRLLTMMCGNFRD
INFGSQHEEFCAELLYKNPTIRLEDIHVRVAALMQKHKADDDANRFDETILT IMKGNAGE
AVSAMHVS VGGNSGAALPAVMTSLLLQLLADAKVLEYNTENTNYSTELLIRASSAIRSSLG
MEGHCDL GTRLAVRLLLPHEI DSDLRITATLVNALEHHFPKTDSEAKILLSL CRNLVER
KNVRVLDGCVSICLARHLFYIGKNI PGGAVHWLLTGIEFESLVLCDRPKRSGDWQKALAS
GVCYRKL VAYFTGTSQSFLKLLGEEKGASLYYARSGEMIAATKEDSPNHINNLASFVPA
VNVLENIFLIAGAI VEGKDDSVVASSIVSCLERPDEDDG VVSSLARSLNWDLFR LGVD
ILKRDAENANNR S I S S F D P R G I G V L L S V F T V E T K A R E L T S Q N E V L S E A E D K E L R N T R L I
L A E G L K R A F V A E N S M K K T A M N R R K K A S V E G I C S P N F S K Y S R E Q Q E E A V Q R M L E Y

>comp13408_c0_seq1; 1168 1 2142 LEN=2226; translated
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PASAKSKKSKDEATSKDAEVAQALATSSRRSSTRDRDATGKKDSKAKALAALREERKKV
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FEETRKPSTSTKVVKPAELDDYLLVTISRMRLEGEWCNEPYFEKAVLNCVVKLFIGENDEGK
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VTQYEAMKTARKQDELLGKLEANKLRRKRDELIDNFYTTEDIERKLEKMKMGPSTTN
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VKPKNLWQVGQDEKKNENDEKNETEEPPTTKDGAGQSNGLNSSSTPPLVQEQQKAAAL
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>comp13409_c0_seq1; 272 1 1036 LEN=1036; translated
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GNSNGNRQASGGTYTGNILSHQSPI SNQHAAQHLSNDRQNQSPFSVRGVANQLQHHVQSH
NDQYAHGGMNYLNPPMSMSRAYDPSYGVKLANPDSHRHQAKSLPQPQTISRPAVAMGYQQ
TQAQEVGNQQGVYLFSAQRSVQQPNNFAQFDFRQPSQSSSNTQSMHPVMAMASQHQELNQ
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>comp13410_c0_seq1; 826 111 2885 LEN=4249; translated
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QVQSIVACLRTDPFTNKYTF SNADTESNLDSVEDTALSPSKKRPKITGDEHSTPPAPPVE
VETPTPTENPLRKRQLONDQTSREILSFLFTTPIQGKFLIEKAKALGVKGPPLYGQLKAG
KTI TFTSPPDNGGESTT VTVESHQVVEPGSPGVVVAI LCYPNFSVLDQLRTSKELQQFKC
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LDSSGCIDRAEKILDNTNLLTEATMVKDASGRSNIAGEILFTGTGSAIPCKHRNVSGIYV
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QRLVSDHDPLVLIAPRNILGFLREYESVESRIADSYIFLDCQDLKTESGGNFHGDVNHNA
AALQKLDQDLGIVSCTAIPVAHCANSFAVFRGTSFGLAYS GD CRPSRNFSRIAYGADL
LIHEATFADGMEADAVVCRHCTVGEALTVAKDMNAKTIILTHFSQRYPKIPVLADADDAQ
TKEVPACTDVSSLSSSHDMNVIHAFDFMAITASNIPVASKITPALQLLYPDKPEDAKEN
SPVEMSDARAALVPLFAQSELL
>comp13410_c0_seq2; 826 111 2885 LEN=4130; translated
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QVQSIVACLRTDPFTNKYTF SNADTESNLDSVEDTALSPSKKRPKITGDEHSTPPAPPVE
VETPTPTENPLRKRQLONDQTSREILSFLFTTPIQGKFLIEKAKALGVKGPPLYGQLKAG
KTI TFTSPPDNGGESTT VTVESHQVVEPGSPGVVVAI LCYPNFSVLDQLRTSKELQQFKC
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AALQKLDQDLGIVSCTAIPVAHCANSFAVFRGTSFGLAYS GD CRPSRNFSRIAYGADL
LIHEATFADGMEADAVVCRHCTVGEALTVAKDMNAKTIILTHFSQRYPKIPVLADADDAQ
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>comp13411_c0_seq1; 665 147 1556 LEN=1759; translated
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SDNAMGTQGV DACRTVLCGPTAINTLESLSLNNGLSKDTMEVTA VLLTQEEDGACVANN
LKKIHFFNMSDNEGCE SFRKVIAQTSKLEDIRMSGTRAKAPGSLHIAAGLKDLATAGSL
GNLVRDLADNSFGDCYQDLANSRLRVCKKLEYLDLSECTMGEEGVAAVCEALIEAGSPLK
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>comp13412_c0_seq1; 218 210 681 LEN=1057; translated
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>comp13413_c0_seq1; 934 79 1839 LEN=1938; translated
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>comp13415_c0_seq1; 1580 1 4207 LEN=4991; translated
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>comp13417_c0_seq2; 28 1 134 LEN=532; translated
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>comp13417_c0_seq4; 929 857 3917 LEN=4210; minus strand; translated
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>comp13417_c0_seq5; 145 1 653 LEN=723; translated

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>comp13417_c0_seq6; 663 529 4379 LEN=4492; minus strand; translated
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>comp13417_c0_seq7; 218 56 487 LEN=557; translated
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RIENEKDTGSKVGTEVDEKPESSDLEGACDEETEESKEALIEPETTNVSSAIESKEDTQD
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>comp13419_c0_seq2; 353 175 1755 LEN=2094; translated
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>comp13421_c0_seq3; 2518 1 4983 LEN=5121; translated
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>comp13423_c0_seq1; 211 141 839 LEN=1338; translated
MQQQKPALRYKEGSTVVPGRIGTVRQATPGDGTYYRGGHIYA CLVGLSLALEEKRAPEKD
DDDESNI DDDDESNNKARSLPGFVCSVVSPKPPAASQVLSVGQRIVGRVSRITPQNALVE
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QRRYFLSTAETELGVVRAERHGVP MIPVSWKEMECPETGVREPRKCAKPVAL

>comp13424_c0_seq1; 1188 255 3938 LEN=4503; translated
MEQTTITEVRSRLRMSALGFAAAFILDADESSGSTTGGTGMNIGGNSRVLSPALLTPQQQ
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GAYAPEYQSAGTSTPRRNAIVEEIRDRFRNGNGKEPKRRFLRPLPKQQQPKRKKTSKGQH
QQEPQAEELCVELDEREFATKIRQALKEKRSAINKSYNLPSSKPNQHSPKRRHSGYNPAG
QGGSSASSRSNQKTSQKSGAGTHRDNNGFGSEEEEDDHDHFEIGD TVFAVGLTGDRAC
YEGKGTILFRRGKNSSGAGSEGN DNEPTRAEVPVFGVDFGGKGAKKFNNGTKDDTNKST
TVVLEGNLVRFLAIGATVKVQKPGRDNESSPPPQGSRDPSWRCHGWQGSTV SFELNVTP
SRRPPSSGSNTTGSRRFDLVYKVV FSHSNEVELSSKRLRAV TAGSSEEEAGGATKNKT
EGGTGDSGDQRRDSEGGNGDTGKGPSRDSKGDKSSN NAGIKTSANNSDSDNNDSSKSKD
NQNEKNCANDSKE SDSGVTDESTEARKR PSSSSSSSSSISSPPAKKRLPPRPTSETTEAL
PEASSSAAAGANGSQNNSTENNSNP DNDSTKQRDYELYP IGTTRTKKFFPQVRAWFQGTIK
SYNPESGFY SIEYEDGDREEL EHYEVATGLLPPHKYDIGFSYQME LFSKIDG SNLGFDA
TVQGKCYVSQ GKARGWRYQVVYSDGDEEDVIEKLLTKRFREARH HKNEGASNAIKKNT EV
NPENIDAT TERGLETPPNKVVEERVKND ESDSSSSCDK DENVEEDLDEDED DSEESS
SGSEDNSDQPNKSHEKVKTRIP HWSGKEHDFVGLLE YGYGNLEDIHEAGCIPSR SFRE
LVRYWRWFRADLEQKIDIDFDRRGT VNGKGTKFD PADLKEQSKP SEDDHETPRTGPWS
EWEKQAVVKAFAFHGSSYKEMSEFMKTRT ANQIASYCCHNKAKIKKEVQK CHEQACKQAN
SPGGKRGSP TSENGTRNGNRVRRRADA AVDEADDKGYRSWTS GEHEALVSAMASYGHQ N
YDKQSLYVKS RSPDQIRKYVRRNTDRLTKA ANSLARENRR LQATKAHLSRQWSDTELGLL
VEAHALYGNDCEMI SAYVGT RSVDQVKT VLENYEDYGF DLGYLTFPDEL YHVLNVAPFE
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>comp13424_c0_seq2; 1389 255 4151 LEN=4290; translated
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GAYAPEYQSAGTSTPRRNAIVEEIRDRFRNGNGKEPKRRFLRPLPKQQQPKRKKTSKGQH
QQEPQAEELCVELDEREFATKIRQALKEKRSAINKSYNLPSSKPNQHSPKRRHSGYNPAG
QGGSSASSRSNQKTSQKSGAGTHRDNNGFGSEEEEDDHDHFEIGD TVFAVGLTGDRAC
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TVVLEGNLVRFLAIGATVKVQKPGRDNESSPPPQGSRDPSWRCHGWQGSTV SFELNVTP
SRRPPSSGSNTTGSRRFDLVYKVV FSHSNEVELSSKRLRAV TAGSSEEEAGGATKNKT
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NQNEKNCANDSKE SDSGVTDESTEARKR PSSSSSSSSSISSPPAKKRLPPRPTSETTEAL
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SYNPESGFY SIEYEDGDREEL EHYEVATGLLPPHKYDIGFSYQME LFSKIDG SNLGFDA
TVQGKCYVSQ GKARGWRYQVVYSDGDEEDVIEKLLTKRFREARH HKNEGASNAIKKNT EV
NPENIDAT TERGLETPPNKVVEERVKND ESDSSSSCDK DENVEEDLDEDED DSEESS
SGSEDNSDQPNKSHEKVKTRIP HWSGKEHDFVGLLE YGYGNLEDIHEAGCIPSR SFRE

LVRVYRWRFRADLEQKIDIDFDRRGTVNGKKGTKFDPADLKEQSKPSEDDHETPRTGPWS
EWEKQAVVKAFAFHGSYSKEMSEFMKTRTANQIASYCCHNKAKIKKEVQKCHEQACKQAN
SPGKRGSPSTSENGTRNGNRVRRRADAADDEADKGYRSWTSGEHEALVSAMASYGHQN
YDKQSLYVKSRSQDQIRKYVRRNTDRLTKAANSLARENRRLQATKAHLSRQWSDTELGLL
VEAHALYGNDCEMI SAYVGTORSVDQVKTVLENYEDYGFDLGYLTFPDELYHVLNVAPFE
NLDHILSWSSDGKSFLLIHDEEKFRVTVFPVRYSRKGTSSDRFYGSLKRFGFSREEPDGGAE
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>comp13425_c0_seq1; 289 200 820 LEN=1200; translated
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LPVVL SAPNTSHEDSDDCGAMILGMEERPNWDHIGASMNAIRTQTLLKEADV VVVRFE
KYRQWNAAFDAGFASALGKPVVTIHPAISMLKEVNASAKAVCEDPQQVETLAVYIRG
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>comp13426_c0_seq1; 429 220 1383 LEN=1580; translated
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VASLQENQYVMKTLRDLPEEEYVKGIVDLAIEAEFLSVLSHPNII SMRAMANS DPHEK
FFVILDRLVMTLDRKFNQWRREVEGENSGYWLGPFGYCCAKEHYLYKTWLDRTASRDIAN
AIYYLHKSISIVYRDLKPDNLGFDVTGTLKLFDFGLAKRMDTVEKAGDGLYRLTGNTGSLR
YMAPEVAKGEPYNQRVDAYSFGMLFWQICSLQTPFAGMSARTHADRVIQKQRPKPDRSW
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>comp13426_c0_seq2; 389 448 1512 LEN=1709; translated
MVCKVEKLDLNDVFDTSDDSAKKNRNDVASLQENQYVMKTLRDLPEEEYVKGIVDLAIE
AEFLSVLSHPNII SMRAMANS DPHEKFFVILDRLVMTLDRKFNQWRREVEGENSGYWLGP
FGYCCAKEHYLYKTWLDRTASRDIANAIYYLHKSISIVYRDLKPDNLGFDVTGTLKLFDF
GLAKRMDTVEKAGDGLYRLTGNTGSLRYMAPEVAKGEPYNQRVDAYSFGMLFWQICSLQ
TPFAGMSARTHADRVIQKQRPKPDRSWPLSWVDIMTRSWDPDETEKRPDFDEITNFDLGQ
VEDMDGNDGEVPSRAKEIKAKKKNPKATERLDIDTRIATADDGPNVKIHDQEV L

>comp13426_c0_seq4; 396 220 1490 LEN=1687; translated
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VASLQENQYVMKTLRDLPEEEYVKGIVDLAIEAEFLSVLSHPNII SMRAMANS DPHEK
FFVILDRLVMTLDRKFNQWRREVEGENSGYWLGPFGYCCAKEHYLYKTWLDRTASRDIAN
AIYYLHKSISIVYRDLKPDNLGFDVTGTLKLFDFGLAKRMDTVEKAGDGXVPSDRKYVWVK
VYGSRGEGELVTP EASHVACNESITAIASVLNFLTFLFLIDKQGE PYNQRVDAYSFGML
FWQICSLQTPFAGMSARTHADRVIQKQRPKPDRSWPLSWVDIMTRSWDPDETEKRPDFDE
ITNFDLGQVEDMDGNDGEVPSRAKEIKAKKKNPKATERLDIDTRIATADDGPNVKIHDQ
EVL

>comp13426_c0_seq5; 356 448 1619 LEN=1816; translated
MVCKVEKLDLNDVFDTSDDSAKKNRNDVASLQENQYVMKTLRDLPEEEYVKGIVDLAIE
AEFLSVLSHPNII SMRAMANS DPHEKFFVILDRLVMTLDRKFNQWRREVEGENSGYWLGP
FGYCCAKEHYLYKTWLDRTASRDIANAIYYLHKSISIVYRDLKPDNLGFDVTGTLKLFDF
GLAKRMDTVEKAGDGXVPSDRKYVWVKVYGSRGEGELVTP EASHVACNESITAIASVLN
FLTFLFLIDKQGE PYNQRVDAYSFGMLFWQICSLQTPFAGMSARTHADRVIQKQRPKP
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PKATERLDIDTRIATADDGPNVKIHDQEV L

>comp13427_c0_seq1; 266 107 1515 LEN=2066; translated
MAKNKVLERFLRTGSFRRLPRTVEDTLQVKTSVRRPYQKHSSKRQPTFLKGVGRDGNFY
RLRIPPRKRLLPDIPKLPKGQNTQPPLTAPHRPESAADIKSFKKKLI EWLQGNIPVLVL
NFGSMCTLLAFTRSDILELRTL SVTGNLCFITYALRQNI ILWPNIFWSGLFASVNSWKIY
QILDERNASVSMTTKEEKTFFVDFMPHGGTLFIYWESQI IDEKFDLRNIDCEKKFRKFC
VFSVFLPFSLEXLVTPKQFERIQASARVYNLKKGEFVIQKGEKPHSVYLI IEGSTNALI
LGRRVTAASTTIETKGIQMKGGDSGAWAGEMAFLKQFWEKEQKSITPQNEAKVASIDPSE
SVDAKATVKSCLTTGGIADAYIYSIVVTEDECTVMSWSHEEMEKLKMSSTDLSALTRAMS
SALVGKVINLTI SRSDGKMPWSEWLKEWNSKDGTSVEVQNDFRLAEDR

>comp13427_c0_seq2; 232 1195 1650 LEN=2201; translated
MKGDSGAWAGEMAFLKQFWEKEQKSITPQNEAKVASIDPSESVDKATVKSCLTTGGIA
DAYIYSIVVTEDECTVMSWSHEEMEKLKMSSTDLSALTRAMSSALVGKVINLTI SRSDG
KMPWSEWLKEWNSKDGTSVEVQNDFRLAEDR

>comp13427_c0_seq3; 244 614 1513 LEN=2064; translated
MCTLLAFTRSDILELRTL SVTGNLCFITYALRQNI ILWPNIFWSGLFASVNSWKIYQILD
ERNASVSMTTKEEKTFFVDFMPHGVTPKQFERIQASARVYNLKKGEFVIQKGEKPHSVYLI

IEGSTNALILGRRVTAASTTIEETKGIQMKGGDSGAWAGEMAFLKQFWEKEQKSITPQNE
AKVASIDPSESVDAKATVKSKLTTGGIADAYIYSIVVTEDCTVMSWSHEEMEKLMSSTD
LRSALTRAMSSALVGKVINLTISSRDGKMPWSEWLKEWNSKDGTSVEVQNDFRLAEDR
>comp13427_c0_seq4; 295 107 1378 LEN=1929; translated
MAKNKVLERFLRTGSFRRLPRTVEDTLQVKTSVRRPYQKHSSSKRQPTFLKGVGRDGNFY
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NFGSMCTLLAFTRSDILELRTL SVTGNLCFITYALRQNIILWPNIFWSGLFASVNSWKIY
QILDERNASVSMTTKEEKTFFVDFMPHGVTPKQFERIQASARVYNLKKGEFVIQKGEKPH
SVYLIIEGSTNALILGRRVTAASTTIEETKGIQMKGGDSGAWAGEMAFLKQFWEKEQKSIT
PQNEAKVASIDPSESVDAKATVKSKLTTGGIADAYIYSIVVTEDCTVMSWSHEEMEKLMS
STD LRSALTRAMSSALVGKVINLTISSRDGKMPWSEWLKEWNSKDGTSVEVQNDFRLA
EDR
>comp13428_c0_seq1; 161 1 2710 LEN=2788; translated
XLIQSHWRAFQSSIEYMLCRVAAISIQAFVRGFFVRKEMHLAKARQQRDEERKCIKAAES
STLIQSQWRGSRQRYKYMLCRVAAISIQALVRGYVVRKQIYLDKARQQRDEEALKTEELKY
WKATESSLMIQSNWRGSLRRTFEMTFKVA AISIQALVRGFVVRKEIHLDKARQQRMEELK
YKEYNESSILIQSHWRASQRRSGYMQYKVAAIMIQASARGAFIRTQYKYKSNRGSIIIFIQ
KMVRAHLCKRHLIELHAAAIQIQRVWKGNAVVRMYRKVTESTTMIQSQRASKTRGEFAA
MI IQAMTRGAQVRSQWRVFRMLSKRKKIFNVSARRIQVAFILWRMNIALWEVKSLAVLLK
RGIRGQLARSVIHYALIHMNLSLRNSMIESFDRVLRNKD TYRGISGMIAWHTAVSDIRTS
ASILIQSYVRTFMTRNQVMEEFGFVFDKRFVYETPTAISEHAAIAIQSFREWLKLRSSS
AVLIQKSARGWISWITYNNVILPAHHESTRAMAATKIQT IHR YRKQRYRFTLRKGAI VQIQ
TVWRGFQARKLLKNYEAQRCLMLKAFAILKLQALYRARKQVRFLVQRKGLKIQNFWR
VFTRKSF IKWKTAA GIIQMTYRYRQRKAHQYMLVSCVVKVQSLARKLTARRMFLERRM
FEIQAE LSLNHFLEQTRDVSASIAEDLLTNSDSMTNGPCMRRLADRVNDTLREAKLASDE
VVPDFVHRFRAVIPLPSTARKPASPALLRSKSTDTDT PVRGNRAVPNKAAPETKIDHTST
SSKPVSPVASSSGGRNVFRTAGGAGNVLANHEFELLRERTTRKNRADASLPQRTPKPASP
DRNGRASSLFGREEKPGVPGGDPHGRASSEESGPDDFGERSNMPSPIRSKETEPGWDWS
SSW
>comp13429_c0_seq1; 373 219 1055 LEN=1396; translated
MNSAYNPRSDDEEKCTDRHHHNLIEAVVFSAYDFSFRSSQYVCGDMHCQQMRWDPQAI
GLLDDTTT NAGAVFRRRRSP LSSGAAREIRNNRTREQDDLGGITNNLSRDFDTASTCPST
NPSAGGGTTGKTNWHR YDHRNRKNNSKTC SRTPRKSI AHNCRAGDND DDKGDDDSWPDFL
KGLTFNES CVRKRK KLVIAFP TSLPSTSSSYFSPRPSIEGGHYQCQIEMTMENEKDPDG
VERKKALGNNLNCFHFRRLGRRAKKFLKKIVSFRRH
>comp13431_c0_seq1; 609 1 2064 LEN=2328; translated
EKDNTKSTWSQMEEGSLKAALEHAKTLHNSSACESLLKNCIHL DLYTLGDRSRQVEDHL
LDLAE LAENCRFFQKKNHLWHYGADGPVFGVHIDHSEAVPHLRAYCRYGPSVQDGWIAI
HYVVEFMQSLRENSKKQKIVASAWDVQDGQVILIQ LADLLP PWDADPTDNHRYACWIDQ
NGDLQLLRQPHISLNDALKELRGRLLSTVKFSSNPKMQQALTYWLDLNAQAASVHQ RAPM
VLPRKVALAFRERPELLRTAIQAFCE SIQONGPVAPTISR PDLAKYEDVWVTVQTLPRTN
YAMARSVSSVQDEWTS SPDSIPTLVGAEVKRYRRQCKVEAMGHLKHAVALGVRVIGLEE
LMDANDKQYGTFFSSSPLSSLEERIMYWSRIQOTSCGLDKNENSKTILES FQMGPN TANL
DLTNI LRCPVYPEEAENWTSYSKAQVSLQNVKNIMRSQNHKNVNDVEAFWVPRPDQVD
PEDWMDYEHAKIEMVDELKSEHDVDNLLSRFQSFLQQKSNVDGINSNKTNGNGGRDTNKS
SSKDICPRVFLTILHSVLKGGKLD FRRADPFFYEEDYDLIEQDGDSESSNNNDRAHEAFE
TADGSFSMNDIMSAMDNELEGRTESRRI PSSLNVSDIYPKNSKGKDTVKGLVQDAHILS
NLMESLDASGGGSGPVRNIKEME GEA
>comp13432_c0_seq4; 38 1 719 LEN=801; translated
KTKKKVSFFCPRVCNPACKTPSPSPTKAPSPSPTNKCPPDDPEFKFRGDYDKDCGWAGEN
PEKRCKLIDQAKKEKVEKFCPYSCNRRCTCRDSTTPFRVGDGPFTTCEGLD TDGTEKCDT
AAFRSKQNTAADFCPXKMWGLRSSRD LGSQPQOEHSILRTPEMCEAALEVAPFVGFWSLG
GIEPFCPTLMDSCTYVKMIGEVCLPSQSSRQRPRFAGARWPACCTKLTSGFISSGR TN
>comp13432_c0_seq7; 267 225 865 LEN=865; translated
MKRMVSSVDKKNREL TANDCDACSESTRPIVTESGDDFQQMISNCL EGSCPYSLPLNC
WNVSRVQDMSYAFANNSNGHFNDQLYCWDTSRVTSMEGMFEGALEFNQPIGSWDTSSV
DDL SYMFYDAESFNQCLISWPSKFATQPQLTGIFLGS GCPSESTPSDENG PWCQTEEQCE
GIVVSLPPTIQPTHVSEEPSSTPTEEPSSEPSTX
>comp13433_c0_seq1; 683 121 1941 LEN=2178; translated
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SPWAGFEDLGLTDPLVETCKALGFKRPTPVQRHIIPFLLRNESAHVLALASTGSGKTAAF
VLPILNRLSADPYGIYAVIVSPTRELAKQIHQOVLALGSSYNIESTLVVGGMDMTKQSSA
LEHRKPHFVATPGRLAELLRGPSPKQLQHVRFVLVDEADRLLTANSGFVKDVAELLLHC
NRNKRQCQTLTFSATMTRSLESVEEIIAGAGKGRPLPKKFVIKSDESNKNKRQKLGAE
NETSEESDDEEDGVVECGNDESDSAENEVERKKRIEEALTPRI PAGLKQEYIFMPSRVRDAY
LLTTIRNLSNGGRAKDSKGRHAWRGGRKVSLSGRGEDENSDDDEEGKSRSIVFVATCER
AALVSGILNEVGVENVALHSLLTQNRRLAALGKFKSQQVRVLVATDIASRGLDVPSVDLV
INSELPRNPTSIVHRIGRTARAGRGRRAISLVSEQDVSLVHAAEEITGRPLEKCSEITDE
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KQAEATA

>comp13434_c0_seq2; 740 1 1397 LEN=1646; translated
EEEEEEEDPEDDPYVGMVPYEFGDDPGSSSLSSSSSLSTTTGSASVSTTAMTTGMDWGGAL
GALRTRVDDLESXQGGDPSQALFRMSADSPSELIGRFVKTADPQVVQAMSGAVTSLGG
LSNPAMGVDVLRASGEKIGSLCFQLQMTGYMFRNAEYVLALKQLMCLKGNASQLTLEDY
KEAFNRIDRDRSGYIEASEIQELFKEAYGGRDEDVPAFEVKAFLEFFDTNEDGRISWEEF
EKGLTTTATAARARSKKDDFADRLLAGMEAGGPGAYGDGDGDDDDTDDDDASSGGLSETI
SGSIEIEMDDGKVEVDAKEYMDSLREEARKLKLALRDEQGSSSSSNNAGGAGDPMAGLNL
PSNPSGADEMVDIAGYIASRKGDVRSLTEGIKPEIVDTMCKLVDFVLEGGDNNKGNSSGSG
ASGADRDKEMELPGSALQQLALWQLVVLGYKLREEEAKGDYINLLK

>comp13435_c0_seq1; 664 304 1752 LEN=2517; minus strand; translated
MTKTTAEDNISAPERKRQRTASNDVSYDDGNVASTQQDKKTNQYTGWTVPHANFQIPVIS
TEGDGLTPESFYADYIRQRRPVILRGILPSELMNLNRWRSSNEHMIARAGDESIMVEKRS
SSGESFGRGNEIAISFRQFMKLEEGDTMHYLTTQDVAASNDGRPDLMSFMMKLLQGQGT
DQDFPLRPKLAGNLVQPNINLWIGNSRDASSSGLHHDYHDNFYIVLRGKTFRFLFSPADT
EKLYTRGQLVKVHKNGRINYEGEIT'TAYGADMQSNAALAEKAKNDAEERLVKAEKAVRE
GLPGAEEELERAEILLDEAMEA ILDAETGSMGDGNEEEFHLEAAKEEDIKIEVDQLSSS
SEEEEAIGIDENTFRLVDKTVKNPNFNSKIDPYLLDNDKLSDFPSILDATPAFCTCR
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FE

>comp13436_c0_seq1; 344 252 1721 LEN=1924; translated
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LTADGIHDPVGFVAVCLVILVGDMMARGVFFPTMWPVLEELGGSTVALGYSVASFSFGRIL
VSPKFGGWSVTHGYSKTLLFSCSILWVGTILYTQAQNVGHVGFLLIFSQIVLGLGSGTLGV
TRAFVADVTAQRSRTTYMAWITAVQYGGFTVTPFVGSFFTKVLKDKEYRFGFLFRFNQYTA
PAYFMNLVITVTIILMLKYFRDRVRMSALKNNKKKSAKRMTIEDAANRVTVTGLTVYDCC
ILGCMLLNSTKGSISAFETLGVSIAQSQFDMPSQAGVIVASCGSIGVIALLSMGQMAR
FLTDIQLICGMAIMCCGVLSLGFLEADVTPNSWKFCITAFIYISVGYPIGHTAVIGLFS
KIVGRRPQGELLGWFAAGSLARLFCFIMAGYLTNFFGISAIFFVLLIVLSVSIITMYS
RHTLEFLSQ

>comp13436_c0_seq2; 290 252 1433 LEN=2087; translated
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VSPKFGGWSVTHGYSKTLLFSCSILWVGTILYTQAQNVGHVGFLLIFSQIVLGLGSGTLGV
TRAFVADVTAQRSRTTYMAWITAVQYGGFTVTPFVGSFFTKVLKDKEYRFGFLFRFNQYTA
PAYFMNLVITVTIILMLKYFRDRVRMSALKNNKKKSAKRMTIEDAANRVTVTGLTVYDCC
ILGCMLLNSTKGSISAFETLGVSIAQSQFDMPSQAGVIVASCGSIGVIALLSMGQMAR
FLTDIQLICGMAIMCCGVLSLGFLEADVTPNSW

>comp13437_c0_seq1; 681 67 1170 LEN=1238; translated
MMKTGVVLALAGTWCLGALSTVGAFLSMSSASVGEKGTAIAGATGYIGKSVVRESVRQ
GYKTIALVRDSEKVNKQGGALYQGFEGAEVIECDVCDPAALTKTMEKIKADGGDIEAV
ISCLASRSGIKKDAYAIDYQATKNCLDSGIATGARHFVLLSAFCCKNPWLQFQQAKLKF
ADLVAAQDKITHTIVRPTAFFKSVSGQLEVVQOGAPFVMFGDKVTRCNPIAEADLATYL
VDSITDESRLNRNIDLGGPDEPLTMLKQGEMLFDVAVGKEPNFFAFPLWLFDVIIIDSLQWV
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MFAKAPE

>comp13438_c0_seq1; 667 200 1819 LEN=1896; translated
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NPYASLKFSTTQRTSELYSTLDPVWRPEVFFMDVSLPVSQVLTHTSAETPLSSSSSSSEE
VHEDAAPALDDPFYSYQKPDNTALTVAIFHSESGSNNLKGKHKHKLKLGEGGTVSGDSD

DAFLGMASIDLAALFTGMVPELDEWVPLHGTASDHHHVGHQEHYRSSNRHRTTRGAAVRI
VCEYEPDAPPKPGDICRFTKFCRDLRDLVPLEPSRSYKVDTVRGNGTAVILSYESPEGWL
LSFQAHRNMLFTEERHVSPLNTAQDELQTLGERLAVSPLIAAVTETAERVLDDGLVGIAG
EIVKGSFAFVDRWFRGGVDTVIRDLRDLVPLNDGRHNQDAIGESLEIGLGSSASLDDASDD
GVDNAESCAEHEPAALDPIEEQEALPNMPPCPITGFFPMVRKQKKIRWVAPITSIVVCW
>comp13438_c0_seq2; 773 200 2038 LEN=2181; translated
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VHHEDAAPALDDPFYSYQKPDNTALTVAIFHSESGSNLKGKHKHKLGGGTVSGDSD
DAFLGMASIDLAALFTGMVPELDEWVPLHGTASDHHHVGHQEHYRSSNRHRTTRGAAVRI
VCEYEPDAPPKPGDICRFTKFCRDLRDLVPLEPSRSYKVDTVRGNGTAVILSYESPEGWL
LSFQAHRNMLFTEERHVSPLNTAQDELQTLGERLAVSPLIAAVTETAERVLDDGLVGIAG
EIVKGSFAFVDRWFRGGVDTVIRDLRDLVPLNDGRHNQDAIGESLEIGLGSSASLDDASDD
GVDNAESCAEHEPAALDPIEEQEALPNMPPCPITGFFMVDVVAADGHTYERRAIRRW
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KPPNTDANAHA
>comp13439_c0_seq1; 537 165 1652 LEN=2018; translated
MKISALSALTVALGLFIPSEGGFSRDMGLRKPSSVEPGLDDKLRKAIPLLEEKKNVNA
KGYQLGGDDGARKLANDGNDQVYENEDDYVNEYNMVDFTGYSFKYAKCQPVQRFSDAI
EAGEYSPMINDIVLRLCDSMYCSDNRAYGCNSDFVEYAIELTDYVRIMLRHEMDKKEQ
LCNWCDSCLNGKQGRRRDSMRYYSYDENGNLVVNEEYVDDDDFWSNLDCTDYQQYCYDD
YGNVSCENDDDNMYTAENYLDVIDCSQVNGGYFLRPRCDASSNTLSMGVFHDKFCTHYAG
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>comp13441_c0_seq1; 735 271 2947 LEN=4340; translated
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>comp13441_c0_seq2; 733 271 3138 LEN=4531; translated
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>comp13442_c0_seq1; 324 1 681 LEN=962; translated
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>comp13442_c0_seq2; 587 1 1167 LEN=1448; translated
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>comp13442_c0_seq3; 376 1 1037 LEN=1194; translated
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>comp13442_c0_seq5; 643 93 1154 LEN=1435; translated
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>comp13442_c0_seq6; 444 78 800 LEN=957; translated
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>comp13443_c0_seq1; 543 222 1505 LEN=1899; translated
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>comp13444_c0_seq1; 342 118 1071 LEN=1305; translated
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LNLYGFELINTGPARGGYHEMFVKERPELRCQMRRVAIKVSGGKEAAKSKAEKSIDESE
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>comp13444_c1_seq1; 86 1 789 LEN=1472; translated
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>comp13445_c0_seq1; 393 118 1194 LEN=1404; translated
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KAYNILQDPDAVVIADRLVSQEILDVKGKIKVARKLPGCAENAQAEIYWWTYQGLASGQ
HVVRLKIGDPFVFGRGGEVLQFRKFGVESKIVPGVSAAFSAPLLANIPVTHRGYSNQVV
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>comp13446_c1_seq1; 351 233 1168 LEN=1361; translated
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VEFSHRPGRDLLGVAKLRTNIIPIVEDARHPLKYRMLIGMVDCVFADVAQPDQARIVALN
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>comp13446_c1_seq2; 883 1 1307 LEN=1307; translated
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KQAVEDGGESVTKLYIRGLPWRATEDAVRDYFAKCGSGPKSVLPLQDDGRSSGTAIIDF
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>comp13446_c1_seq3; 112 1 485 LEN=706; minus strand; translated
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>comp13446_c1_seq4; 291 1 894 LEN=1087; translated
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KIAAAVLGGVDNIWIKPGSKVLYIGAAAGTSVSHVSDIVGKDGAVYAVEFSHRPGRDLLG
VAKLRTNIIPIVEDARHPLKYRMLIGMVDCVFADVAQPDQARIVALNSHHFLKNGGHAVI
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>comp13446_c1_seq5; 1060 1 2134 LEN=2327; translated
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KQAVEDGGESVTKLYIRGLPWRATEDAVRDYFAKCGSGPKSVLPLQDDGRSSGTAIIDF
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FVARGKEDALVTLNSTPGVAVYGEKRISVETPSKEPGGAAVKTEYRVWNPFRSKIAAAVL
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>comp13447_c0_seq1; 619 119 1189 LEN=1380; translated
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TILRYRLPVDTKPGRNKILLKSKLSNDSVPNTTTPVGLSFTPTWTGSVDEVDSRKDIVP
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>comp13448_c0_seq3; 210 225 932 LEN=2770; minus strand; translated

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>comp13448_c0_seq5; 210 225 932 LEN=2166; minus strand; translated
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VGEITGEHNTKLR SNGSV GAGSLNSSMGGLSQFSIQHQALTQAALNSYQKANERG
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HQLVGRDCGGIGQTIPTSA LIDGISSGGRGARNVRGLGNRGFLYPSTEQDFLSSSNPYTA
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>comp13448_c0_seq8; 210 225 932 LEN=2895; minus strand; translated
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RAIAMS MGAPIPSSTGPMNCGDIDPLPVS DGI TEKGQSQT TISNDMLATAAMVVATAPAT
TTPITPTTPMQIDEENHDVVMKNE DRES PMVESKANADPTTAPASPSRICLKDPRHLSGR
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SIDFPTSLS TEFTMAAPDMSRSKMRQVLALSMGMILARASLKPSAALEDDTNREN RNNEN
VDAKENDSHPMCLSRPEPTVTLILPKNELWKTTSHLEWEHLEPWN DKEGGGLSEHLLKY
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LMVMSLAASRGIPMLQGDMDDVTRKLTTRFGYCSQELINLLLAGQGVSNVFDHTQRLSEE
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IILWDDLWKRTSRLLTGASIGSILDGTD DTHDCNRSSSNASAVTGD SNAATIHPVTRDRP
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RAIAMS MGAPIPSSTGPMNCGDIDPLPVS DGI TEKGQSQT TISNDMLATAAMVVATAPAT
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LMVMSLAASRGIPMLQGDMDVTRKLTTRFGYCSQELINLLLAGQGGTSGTLDMITIGIH
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QSQPSIGYLTQVEATGHLEVGGFYKTPRFPVWVIGSTSHFSVMFSGDGSALKESTSDVLLD
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LWKRTSRLLTGASIGSILDGTDDTHDCNRSSSNASAVTGDSNAATIHVPTRDRPLSDEEL
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VTRLSADEAIGASISLGGSNQMSFGAGGFEEGLDSVLRITKW

>comp13450_c0_seq1; 697 254 2782 LEN=2978; translated
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CLGDLFGEPKVGIYDPKEKKGCKEGVPLDLGDRSVIGLWYRSLALQESILAAPPSPALL
PNSGPDETLIDTARKKPSHIGSCSYGTDEKGRATICLPAASFADPRGTDKDVSTMKGFFRS
KCNTQIHLPPFPQGTTLIRGGSWKEEPTGLCQSGARLLSGGKGYEDWGLRVALSCDED
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RGSTSGDSAGQSWFFGSDASAMDDYAWYKANSKSGKSHVPVQKKNPFGLCDVYGNVWERV
SDTYKKEYYAELAGQVAEDPAGPSQGNKSRFRYDMRNVPEEGSYALTARACTVTVNQTL
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VD

>comp13451_c0_seq2; 559 712 2127 LEN=2371; translated
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QQQQQHHTMGDTKHIASVVATYWFVSI SMVYLNKILMSSEAVSIEAPLFTWFCIVTAL
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GMITFNCLCKWVEVSFYNIARCLTIVFNVLSHLILGTPTSMRTAACLLVVICGFFMGA
KGEVNFYVGTAFGLCSSLFSVLSNIFTKKALPMVDNDHWKLTFFYNNVNASVLFPLIAY
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>comp13452_c0_seq1; 455 119 1498 LEN=2668; translated
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YGYVLKQLSPDLKRADKINFLKGTVDLAMESTRFLASLDHENIICLKGISSNDAFSDGYFI
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RNIVFRDLKPDNIGFTYDGVLIKFDGFLAKELRDDRERDGLYNMTGCTGSIRYMSPENV
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ISLSWSADISERPNEEISAEELISEAEEINSNDTDTGD
>comp13454_c0_seq1; 618 546 2228 LEN=3021; minus strand; translated
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APSSNKLLKPSTPSSKPTTPATPKVKVEKQPPAASTNSFSFVSNLPVAAF SIPGVTPV
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SNDLVSLKMEHDVISDSSFLFRAKDAPTASPSLKDCVKTILKKDMPETHDSVNDARKALE
CVLEWIKNDGKVEEIER TAKFPKTHQFLFIHRIPKECKEEHLTSMFLKHTTIEPIDIEEI
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PNNNNKKNKATDGNNITKPSP
>comp13455_c0_seq1; 246 208 993 LEN=993; translated
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ASPTSLPPKWARPWNTASPTAMKTTNAPISTGTPSSNREVA STITPSFKSSPLLDPTSHV
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>comp13455_c0_seq2; 711 208 2028 LEN=2238; translated
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LKQIVSPSFLNKTSQPSIKPSEHATKSPSFRPSSEPTTDTTSDPTSF PSSKITNTPTTGH
SDIVKPDEGE SIVAREKI QPVTFDILVDRVSRNTNVTKLNSLFTGLIDDFLNMRS DATW
YASHPKSFSNM TIESILGRSVREVHMKDGDQSVLIQFIINGFVSVETKNGDSDIVTASVR
TTSHNEKEADLNENGREASFTEFFDHNVL LLYFSLWGADSLQVELGKVGL ENPILKSVSVG
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GLILLLF
>comp13455_c0_seq3; 674 208 1902 LEN=2112; translated
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ASPTSLPPKWARPWNTASPTAMKTTNAPISTGTPSSNREVA STITPSFKSSPLLDPTSHV
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TPTLFVD TTTPLASEP SFSNSLKEASPFLLLAELSESEHATKLP SFRPSSEPTTDTT
DPTSF PSSKITNTPTTGHSDIVKPDEGE SIVARQKI QPVTFDILVDRVSRNTNVTKLNS
LFTGLIDDFLNMRS DATWYASHPKSFSNM TIESILGRSVREVHMKDGDQSVLIQFIINGF
VSVETKNGDSDIVTASVR TTS HNEKEADLNENGREASFTEFFDHNVL LLYFSLWGADSLQV
ELGKVGL ENPILKSVSVGERELIAFGVDKDDNYLYEGEHS LQDSTTQPIAGSVDGGI ESS
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>comp13456_c0_seq1; 324 174 1004 LEN=1369; translated
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GSIPFLDCAKFG RDPADKYLHRLRNNSASRATPLPNI ILRPRQKKS RHRSLPSFPEEELP
MVLNREDNSDLPLRRKRTRKLTIPSTR IKDNDITSNAIASDPPANSLQATLSTDSSCTM
PNISSLNMRSLSLQVNMSLLNLAAAASSSSIASTN ILPQRKSL LHVPSSSLQE SSSRS
NETEEP RRSRSPVATTL DYLATAMRFPDGAMGLSI
>comp13457_c0_seq1; 854 83 2071 LEN=2220; translated
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KTETFEMGTQTSVEEFPSTGLSEAE EETQPPLASGDLQGLDPVEATKSNEMGAEEVSKEA
KVLSTEEVEKELSSEAFSSFLNVT SKKVERVLGSDLLSNLLADYDGGIDDKDRDAKKISD
GSKFLSSRQMYECPKWTASRDVTDMDWSPLHRELMLCGYHMPSS TSSLGQPVGSSAVKVV
SPDDTPSDSLAPRNGELLSDGLALVWNLAMPNRPEHIFT CGSPVTTVRFHPTESTLVI GG
CQSGQVVVWDIRAGRMPVQKSVLTTTVSGNSKGHTHP ICAMEVIEGGAGLVTAATDGRVN
FWSLANLRDPVESLQIGDSV SCLAVSPESGNIICGDDTGS IYTVQSPNASLGAGGQRRR
QVRKLESGDESHFGMVT SVATKHLKSAPRAGLSKGF LRGTGGLFLSSGVDWTIKLWAPAY
TDKSLLSLVSHSYDYMSDVQWNPSHPALMATASSNGTIGLWNF SHSMEEPITGLDGIVVE
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RE

>comp13458_c0_seq1; 716 367 2714 LEN=3078; translated
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NTNFNANA ISSSNVENSIRSSARSENKSNQCQLQQRIGNRSSQTSRSMFRLICSSDAKND
DYKDMEACDYDNSMYKSDDVSSLHFDEYGYDVP LQSRQIDDSNDQDDDDVSDFFKAPTQW
ELSAE IFRLLEPNVEVSEALKSIGKIKMWGLVAESDPITAKNFVEYKVVSTLLIFVQFLV
KIRRLKLNKHRQHVSEHEQKYGVKCSSTIKDYMDGIDDEVLI STHHRDFVDASANIELSLH
QAMQVIHYCVCLDDDSRGDNNSKSNSHLAPSVKEAFVMQLVETDGDVILVTLLEELLADQ
MDRMI STNPSCCNDNPLSTAAANSNITTWDTTIGQYGHISKSIW GILMSVGTSETAVRV
LKRTKSSLSSTSLTGDGSMQQLLAGILIGLNHRFYVEK FYRNCDCPNRLEFYRSQCIM
PSDFGRSVGNKNKNNYFTNFNSSSWMEDL FVALCRLVGSKHADDENDDCHTDCSGEDHL
GKSNPDSNYGNNNCENRAPHYANKPHRNSHIASTEMPLRRQHDEIRFVVI ELCLVKKT
ALVDEPNAVLGRDPFVTTLAMSFYACLRF GILRYPQLRKQENEQQRKEGAGKTTNPGK
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LD

>comp13459_c0_seq1; 344 1 604 LEN=1070; translated
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IGFSSDDIDKWENSGYVMSGSRHTRMNAVRIRKENQVYSAEEQRALALLTMEENQQKESQ
LMEDFRTMLKERKKLREQEK

>comp13459_c0_seq3; 881 1 3673 LEN=4066; translated
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VAEPHSTVEDPGSKPIDTILEKWL VQVQNLQENGRQSSSSDRIFADASVIKTHGLTSD
SRLLA IYGNKNEIKEIPPPSWFELIAEQFQDR LVRILMGVAVLSALLECSSSGAI
TESFLH RFAEPLVISSLLVNASVGVWQSKSAGNSIEALKAMQPSVCTVLRREAENDNTIT
SEEI AEYPSDDLVPGLDVLKGTGDKVPADCRVVRYYQGRRLSVDETCLTGESI
AVEKLLGKEG LAPQKAPVQSQTGMVFSGTTVVSGAAIALV VVATGESTEFGRIO
SGVLEAKRDSHDQKTPL ALQLDDFGNQLTGLIGFICAGVWLASIPKMMVKDSTIF
NSPFEGMVYYAKVAVALGVAAI PEGLPAVITLCLSLGTRRMAQRNVI
VRNLPSVETLGCVSVICSDKTGTLTTNEMTVTSLV LLEKIKTGPIVEHFVEGVS
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GEPTEAALCVLAEKLGALQNP DGEKQETDIDRAEGKPNSEMASQF VDQWRGM
HPRMATLEFHRIRKSM SVLAKFKDKENGSKARNLLVKGAANMVLDRCTHVK
YSDGSVAKISGSLRRQLERKITNMATRPLRCLALAVKDESKLQSSLRHFEP
RNDNDVRKH PLLKDP SKYEDIESGLTGLVGLVGIKDPARPEVADSIRKCTDAGIR
VIMITGDARDTAVAI AKD VNI FDKDSSTDEKPLKAFEGQEFLKSREEQIKIL
SEDNIVFCRAQPSDKQALIKML QHDLGEIPAMTGDGVNDAPALQQA
AIGVAMGTGTAVSKEADMVLADDDFSTIVSAVEEG RTIYANMQAFICFLIS
CNIGEICAIFFATLLGFPEPLTAMHLLWVNLVTDGPPATALGFN PPS
PDSMKEKPRPSNEPIMTKWLLIRYMLTGLYVGVATIGVFAQH YLKQGISL
KQLSNWS NCGTAWTPPGSSWL TETSACSDLFRDAGRTL PQTLSLTTLV
VMEMLKALS AVSMNDSLL KVAPWRNKWLLMGVAGPFLHLHLSVLYSSAL
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>comp13460_c0_seq1; 176 1 1081 LEN=1236; translated
KQFALSVCSCGAFPVQRNTHIHRIRVLNHLSSSVAIGAVVTIGGVEFLLP
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FQSVQTRDGLHRRRTIY LIRHGAEHNVREKIAQKKAEEEAKELNLSPE
ETHERMEEARKSVLQDKSLRDAALTEKG RQQARETSQKLRRELIANKTI
HHPTEAMCSPLSRCL ETCKIILEDQDLKAHIRPEIAERT LYPPDRPK
PLDQLLRCTREDDRF SIENMEQLLPHKIEDEALVRESKEMLRERAGEM
FDLL MECDRHVLV VSHKGFLELERGLFGIPDSPLFDNCELRVYRVI
FTQGDRELFHLERMA

>comp13461_c0_seq1; 896 1 2568 LEN=2621; translated
GLDHRPSVRAGPTHTGTNRMKIAPVMKTI SLSQLTSSCMDAGWQGCQVIR
SFHEAHSK GGLKIGGDARSVVTQCDIDAQAKI IAA LRSTWGEELLI
IGEEDETEAGALSSGADAPP LRTDILFDREVQKTMAPGLDEEIPLEELAL
FVDPVDGTREFVEGR LGNVA CLIGIARN SRPVAGIIGVFP
GGDLSCGAEIH YAIADQKDFAGVWSQKETPPSGAGEGASASASTNSD
AAEQASNDESSDRDGHAA GTTVLSGDSGNPV LQIATTTAVSLAPGGDARR
VIVGGTAAKL RMVATSTSP TVAVLHFD TQLWDTCAPEALLKCRGGKIT
DMFGASLVHCPKRTMGNVFGVV ASSKGASVLHDEL CRSMRADRDSVMAI
FQQWIGEGMPPPGVSQSID IARDLDGMPYGLDH LQELLRDENPTD
SKLVGYSVPEEDAWRGLMSNGVRFQLQWEEGANPSGNSPPSDFYKRI
VMANLDHARDKKTAPHKLV RDVKS YQVETSFLTSYACKYLVNDTGMK
INKVLSDDL RPV AGDNPKE LLSSFSIFLEYFQNSDGWEQH WLLPREET
KASLEELAKMHAYFWQGSDFWKK

DGGKAGSDLENMVWPNGGYMQPKLQGYEQKKVRSWEARYPSFRDDLEKVAELKGVDCV
PLGERLEEVAPIVGGKAHPFADKDAATNADFARYRTLHGDPKHANFFFRKKQESGIEVG
LIDFQWSGFGLAATDVAHHITSAVSSSALCFSGKEEGELLDHYYSCLTRELVKYGVGKDA
EEIETSIFPRETLQQQYEVAFLDICRIVFAYAWRRRWAEDPSEESFNRNAYNKSLDSVL
WLI TRCHVYLSKYQS

>comp13461_c0_seq3; 122 438 901 LEN=1094; translated
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>comp13461_c0_seq4; 245 638 1789 LEN=1931; translated
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NSLAGTIPTLGLMTSLREINMNGNRFRGTIPTFGRLTNLEYIDLGNLLSGPIPTIIG
SWNKLLYLNVGTGNDLTGDIPSEIGRITDLASISLSFNKLGSLPPEFGLLGKIKVFDVVK
NYLTGDFVSAVKSSKFTLETLDVESNKFSGLSPAIGDLTKLSRLDVSANGLTGVLPREI
GGLTDLVALDVSSNELRGTIPSELGMLTNAGSMLLQFNLFSGTVPEEICDLTDSLFTKLV
QENLVVDCTNECDCCQYPPKCFL

>comp13461_c0_seq5; 1325 97 2823 LEN=3016; translated
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NEAGSSTEEKAIDALETSDGDALPIDPDGGGVAIASSCAAPDRSPLPPPREEGIGDGGDS
LPIVEAAIVAMETSPDPQCDVVSMEIEIERTKDEPTPTDEIVPAAVAVSPPPRESPYGG
ENLGNTCYMASAIQLLALDSFPESELRRMLPRDVGNEESKDDGDPESTSQQORLLPQLS
NNSLRGALIDTMDRLEKGETVRPDKLRKCVDSRTSLFLGYHQDAHEFLTKLLDVIDEY
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DEDSTGSITISEEEDTGLSKSSDFVLNADEGSLEPREEDYENFAIAEVYGEKPPPNEDV
ASMAESSIHCNENNSGDQDWPQDSPFKRQKVKEDHGSVDSEIAKDLRNPEESNDTDT
TLIPKSKSFSEFKFSDIEGLLNGQEKESSETGTPDHSSHPEKPTSRIIEPKCKLAGGRMN
MVGVELTGLVEDEEDVQHTDASLSKATPEQQVVEDERFDEEEEFSPVTSNFTTKVRV
CLTCECKFRRSIETYHLHLSLEISNDSDDDGIGGFPLSTGSIDDGLRKFFAPEKREI
KCEKCFHTSAIQTTEITQLPRNLLFHLKRFIVDVSPDYTSVSYRKDHSPVSFDERIDLEA
SRERKSDRHSCDDDDDEAGLGRFLAYDCLCQGEASYELRSVNVHIGSSVNCGHYTADAL
RTIGPWHDAREGGGAPRAGGGGSESERETDGHQRWTRFNDCYVTKISSKEAVEDASQTAYM
IMYELVGE

>comp13461_c0_seq6; 151 132 570 LEN=570; translated
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RMLDISWSGLDDARNDNAVPTMSPLFPQPTDSPAETDQKKGLLGLGLQWWAFALIGVGV
LVLLIIWVCFRRRRRPSGASVRPTGAX

>comp13461_c0_seq7; 520 576 2214 LEN=2214; translated
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NLARGQEWYDWERQOQOPQPKVYHNI F DHTGNTPTIGTRTANGTNC SCHGNRRRRRLG
GASAHVCDEENKDKNNNVGSSQTNGKGGTSY Y Y Y Y Y V D D D F V N D D Y S Y Y Y Y G K K D K N G K
KSKKSDKKAYKGGYSYDDDYVYPSRKPTAIPTSSKPTAGEPTAAPTFFKQPTPVGRETTD
APSI SKPTDSPTQEEPIPPPSTNDPSRTSCSVSDGGLYGADVGLATEFWFFFYQVWVIPS
TVPELNTDILPKVEVASGNDVLPVLPNECEPTATASMEASLLGEKPSPTKAKQNSNMN
TNQYGDVTVFTMDDDGGLVRHLQSSSSSIAGLSIKPRD TVLQTDSCQQTdGVQDVFPF
VVSIGSITVFSQTNLDETEVLQIENSIRQFTFTNGDLVDADNRMLDISWSGLDDARNDNAV
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VRPTGAX

>comp13462_c0_seq1; 292 265 1164 LEN=1350; translated
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ELASNVILTHEKNKSCGVSCCIPVCVNPCGLPYLETKDASGKVLGRTQYICDICCFFPK
FDILDSAGTQKFRLRPDTVCVGLCVMCRGGEKKGCCRVPIILRDPSTLEPIQSSATLDG
KPIDAMVDVLSGWKNECCSQRNAYHVTFPSGISAEKAVLIGSTLLVDVAFLEQENDD

>comp13462_c0_seq3; 243 265 1151 LEN=1337; translated
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NVILTHEKNKSCGVSCCIPVCVNPCGLPYLETKDASGKVLGRTQYICDICCFFPKFDIL
DSAGTQKFRLRPDTVCVGLCVMCRGGEKKGCCRVPIILRDPSTLEPIQSSATLDGKPID

AMVDVLWSGWKNECCSQRNAYHVTFPSGISAEKAVLIGSTLLVDVAFLEQENDD
>comp13463_c0_seq1; 504 1 1437 LEN=1878; translated
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GAAMVDLNLALSMALSSPEGIRLLNSFAIGQAGVSGTQQNPHVNRQGGQPQHDTPSIAQT
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QLHENANATGGASAGMFPATAAAAINQHLATRAAPPPLHPSSAVSTAATNPSCSSTSRNS
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ILYNEADDGILGEYQTLRLRQQLELFEADGQDVINGTFRQGRTPKIKLGQIGLRRCRHCAS
TVSIRSKGSVYFSQTIKGMQIAQNMSKVHLCECVRVPEDIKKRMIYLRRRRARASGGR
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>comp13463_c0_seq2; 429 1 1180 LEN=2251; translated
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QLHENANATGGASAGMFPATAAAAINQHLATRAAPPPLHPSSAVSTAATNPSCSSTSRNS
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>comp13464_c0_seq1; 515 260 1553 LEN=1650; translated
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FASELRQAYEKTAKAMKWECDIMSESTDLGGIKEAVLSVSGRASGGGSAMQFAMEEDDD
EDENITANLGPYGLFKYERYGQQQKYDPNAINCEEIFSSFSTSVGLSDPCSILLTTNAFI
NSGVHRVQRPVNDTRIHTSACSIAVLPSKQDDGKSGELLPMSSELKIDTMRSSGAGGQHV
NTTNSAVRITHIPTGITASIQDERSQHKNKAKALKLVAARVRDKEREEEEERKHGEARSSL
LGGDRSERIRTYNYPQDRVTDHRCKHTTHGISKLLDAGSDDGLVVTFFYPFLQKLVNDEQ
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>comp13464_c0_seq2; 516 260 1423 LEN=1520; translated
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KEREEEEERKHGEARSSLGGDRSERIRTYNYPQDRVTDHRCKHTTHGISKLLDAGSDDG
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>comp13466_c0_seq1; 727 326 2898 LEN=3011; translated
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LVGLSQAI VQSV EACPEAYR PALYRTVYLVGGVARLPNLRDRLEREL RSLVPSEYELSVS
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>comp13471_c1_seq1; 418 419 1489 LEN=2122; translated
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>comp13472_c0_seq1; 743 98 1771 LEN=2358; translated
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>comp13478_c0_seq3; 433 549 1502 LEN=1627; translated
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TAKEVVAECGITYSMLSTPEASKMVFEGESGVLSGIKEGSSIVDCATLAEADMVRMDEAI
RGKGGRFLEAPVSGSKGPAHQGSLIFLCAGSEELFNEVKDNLKAMGKASHFFKTEVGYG
TRAKLVVNSLMGTMLAAFGEGGLALSEGMLDPKTMIEVIGQGAIQSPMFNLKGPKMVVKD
HAPNFPLKHAHKDMALACDMAQAAGVEYSVMNTAEKLFREAREDEPELKLADDFSAVFET
VHKKSTSEFSKRRKLND

>comp13479_c0_seq1; 839 724 4158 LEN=4347; translated
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SILKNTQFKMKHSDKLRMSKQKRARRIRNYNKEQLSLQLTPGTECMQTMEAAIYAWAQ
LQSQGRPNRLLPRVQIYISSSLVPGEGEIKLLEWINNYRRHLSRRPGQSIALVGGDADL
LLEAMVIPPSTHNVFLRPGVATDNPVPPKENPEDNSNNSNKGVMKKNRKNRNDKYNRKNLM
HCTSLWEMTSLDDYVFNPKQYDPEPNEDQNLILQIRTDMLVLMFMLNGNDYLPV
AVGFQGVLTYYLALLEESIKQNFSSQNVGLVDPNTLNFRTFCAAFFGKLGGLNAPSEQQR
WRSVKHSVRRTYQSILNDMSAIGFLPSPVKFTFVGDSDNDAYNDGKGTRELRRDPTLAQE
DEEDMIYDDEDEDDDEMDVLEDQDSLEDNTGMELLQLSLGKINEADYHEYTVKVNVS
GGIQKAKSSSRKALKEFSLLDYVNMVDGNDMGTDYEWIISKPADANVERYLAGLLWTL
QTYQDGVCPSTYRYNGKCLAPSGRVIKFFEKAVEENRDVGAELLRDFEPGGSVSAGAA
CLAALPISVKHLVPKPYSIDDEQVEDFYSQCMDPVDNFFQLKKFETLVDAEVERILREE
SDDDEEGEVADESANFFAGRRIILGDHYWTVMKRTKDAIQHPFKPPPPPAENFSQLRPN
NRKIVSRIISIDLSPRPSINYTMPDSSPDNTYPRKIMERNNIKIDHSSFGSLISGEKS
SILEIPFKIAFSSSRDMHRGKASSKRKISFKLLKSEKPDVLLQGNTRKQSQIEDKPKSVP

QTVLNPDKQNALVILKQLCDIRMLQGFEDQSSYGEITLIVSTDESPDGLLAKDLSFSYT
SGISKRSLTPIKQHLASLALDAIMYSRETKNLDGGDSSRGKRKKTRWYDLTFHQLKEFLE
LYHPATKKASTKNFNLEKQTSVLVILKQLWDTGMVSYEFYETPASDEGPETHSLISISGSK
FSPEILFFERTRNSESKKWIRQQLASEALNTMIKDERRNPTALNWDLTTFNDTKDLILGG
GISQ

>comp13480_c0_seq1; 113 1 481 LEN=898; minus strand; translated
XFFERDFLAGLEAALVALARLGISRGFLAMVWGWGWI AEEEEERERERERVEDRGVLEAMP
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>comp13480_c0_seq2; 242 180 1124 LEN=1541; minus strand; translated
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QLRPGPLGHPVGVLLAHEAKDGVADLPGVLEPGGGAALFFERDFLAGLEAALVALARLGI
SRGFLAMVWGWWWFAAEEEEERERVEDRGVLEAMP RHKEIKRKRTSSKKNHGNQKHAGISR
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>comp13481_c0_seq1; 409 638 1625 LEN=1671; translated
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SDHRAEVTSGRIVTASPVRSDNF S I S N R N D T T N L G V V L P G K T E T T E P I A T K H T P A H P C S P
SFLVTDGTIQNAAKKRRKKT L Q L Q R G E R G L S V I E K E K E T E A K T E F D T G G G I S D K N C L E N S
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>comp13481_c0_seq2; 476 110 1456 LEN=1502; translated
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WVIRTNPKDRGFYVSGVKRQAGQERNLVAGSSTSLGNGNDNGTYDRRSIDQLERAAVTR
MEKAREMTEIEQLEQIRKLN EVVSASVNDADTNASIRKSFRKDRTEKRSRLREATDKGWR
NGMVVLP TND D D I L A A N E T C Y G R P A E D E K R N L S A V R K S S I F S S Q R A A K R K K S R R M R S R P
SDHRAEVTSGRIVTASPVRSDNF S I S N R N D T T N L G V V L P G K T E T T E P I A T K H T P A H P C S P
SFLVTDGTIQNAAKKRRKKT L Q L Q R G E R G L S V I E K E K E T E A K T E F D T G G G I S D K N C L E N S
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>comp13483_c0_seq1; 717 1 1900 LEN=2200; translated
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PAAEAFEDVEVRPKDSFRGDFPARTSAWSSRYSDDPKLSVLD RYDRSHSGSHSGEHS
QRTGARGMLVSTAA NVSDSVRNF GDSVSSRI SEARENANTGFGSGKFSFKKNRIKKQQQ
MQMQGLVGSPSRPGATGSTNLR TVWQDGS DGI GYHDDGDQGITGGSGKHSWEQVMREK
KRRRVVGLSVLCALVAVVIVGVSVSQTAWRWKYKNLWNGNTQLEVTIFYATSNSPLGYGT
SEEQLAADLANLPGDAD FVAHLGNLQDASVNMCPASRMP EMGSLLRSRMPENVPLFIVPG
EHDWIRCPNQLTALARWMEVFATSPLEDQAASDDDYTAEP AIAALQALEFDRPKTSPDIF
SKLHHGVLVFGHLVQGTVTDGMGMQE QVVRDEKMSIFVKGTLSRLEGQYRAIVMLGNAR
PGPRQQGF FDSISEPLANARVPVAYVHAGSSLSGKSDPGGVVHYFPFGKKKRGDGLSGMV
AIRAPSGGNHEPPLKITVGF GKHLFGVGSDDQ

>comp13484_c0_seq1; 364 64 1242 LEN=1969; translated
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EDCVVHPFANDGRAQTNRTFCPN CYVCDLPASGCGEWSAHCQASRAVPNWKKLRDETR
GRTGTPERQKQRRRERHRRSLPRWSE RWCRPSAGAPAA NRNEEPAEADPDCPAIPGRPLP
SLLAENRARFLRERERQGSARERNVLEQQVLLRRRLQQQREQHIRT HEQEQQQRHQHQ
HGTPSSSSGRAPVRSEGPVPGSNNSRPPATAAAQR SNRSFSLGSLFTKQRADQARRE
KERRELEWERHQEEKEREQK KAWKRLRRKLPG

>comp13485_c0_seq1; 459 1 762 LEN=1161; translated
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EPSLSEDGPEFEDSPSEDGPESEDSPSEDGPEEDPEENP VLLRRRNQEVAPEENSSSEDG
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AGLAAAALVAAFL

>comp13485_c0_seq2; 459 1 762 LEN=1125; translated
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EPSSLSEGDGPEFEDSPSEDGPESESDSPSEDGPEEDPEENPVLLRRRNQEVAPPEENSSSEDG
EDSASEDGASASLDGEEEEENGEQPVVGTDLQLLRASASLGADELGVGSGALAMPRLGGL
AGLAAAALVAAFL

>comp13485_c0_seq3; 222 300 568 LEN=568; translated
MAVSPAFSHRSTQVRSSVRSGEDLVLGSAEKRFDADRKDKQNI FGRKLETSSESEDGVES
ADSSDSEDEPAVDEPAGGGGRKLSSESDGV

>comp13485_c0_seq4; 475 1 783 LEN=1182; translated
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EPSSLSEGDGPEFEDSPSEDGPESESDSPSEDGIPSEDGPEEDPEEDPVLLRRRNQEVAPPEE
NSSSEDGEDSASEDGASASLDGEEEEENGEQPVVGTDLQLLRASASLGADELGVGSGALAM
PRGLGGLAGLAAAALVAAFL

>comp13485_c0_seq5; 475 1 783 LEN=1146; translated
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EPSSLSEGDGPEFEDSPSEDGPESESDSPSEDGIPSEDGPEEDPEEDPVLLRRRNQEVAPPEE
NSSSEDGEDSASEDGASASLDGEEEEENGEQPVVGTDLQLLRASASLGADELGVGSGALAM
PRGLGGLAGLAAAALVAAFL

>comp13486_c0_seq1; 653 173 2431 LEN=2522; translated
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GMQFTAVYIKRYLLDNWSLNDVCCYIPAWFGAIASALVGLLTYECTIPENSSSNVIKWVV
DLAQDQSDREASSRRSKSVMFGFFSPAMECACCAIAMMAIVPAHLMRSVGGGYDNESIAN
TAMIMTFYFWVRSRNPQSAWMGAIAGLAYFYMVASWGGYIFVLNLIGVHA AVLVP MGRF
SPKVYLSYTLFYTIGTALAIQVPVVGWAPLKSLEQLGPCAVFLGYQILRVCD SIKGDRKM
TRAEFFLLRVKAFVAVAGITAMILVSLVAPSGYFGPLSSRVRGLFVQHTKTGNPLVDSVAE
HQPASSRSYFYQLLHVCSLAPIGFLMVTNLNLS DSSSFLLVWGVAAYYF SHRMRVRLILLTA
PIGSILGGIAAGRIFTWCLRQWWE TETSVPVLKENSNT RANKVNKKGTFRKPKKPSYA
ANTEYEENDDALDGLLKS AFDGALTTSEAVLMKR FMAATLLLMGYILSINFTHYCW RVSQ
DLSNPTIIVKARLRDGTIIKLDDYREAYW WLRDNTPEDSRIMAWWDYGYQITAIANRTTI
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>comp13486_c0_seq2; 875 173 3136 LEN=3668; translated
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GMQFTAVYIKRYLLDNWSLNDVCCYIPAWFGAIASALVGLLTYECTIPENSSSNVIKWVV
DLAQDQSDREASSRRSKSVMFGFFSPAMECACCAIAMMAIVPAHLMRSVGGGYDNESIAN
TAMIMTFYFWVRSRNPQSAWMGAIAGLAYFYMVASWGGYIFVLNLIGVHA AVLVP MGRF
SPKVYLSYTLFYTIGTALAIQVPVVGWAPLKSLEQLGPCAVFLGYQILRVCD SIKGDRKM
TRAEFFLLRVKAFVAVAGITAMILVSLVAPSGYFGPLSSRVRGLFVQHTKTGNPLVDSVAE
HQPASSRSYFYQLLHVCSLAPIGFLMVTNLNLS DSSSFLLVWGVAAYYF SHRMRVRLILLTA
PIGSILGGIAAGRIFTWCLRQWWE TETSVPVLKENSNT RANKVNKKGTFRKPKKPSYA
ANTEYEENDDALDGLLKS AFDGALTTSEAVLMKR FMAATLLLMGYILSINFTHYCW RVSQ
DLSNPTIIVKARLRDGTIIKLDDYREAYW WLRDNTPEDSRIMAWWDYGYQITAIANRTTI
ADGNTWNHEHIALLGKALTTDEEEGYQIARHLADYVLVWGGGGDDLAKSPHLARIANSV
YRDHCPAGDPTCRAFGLMDRQGT P SPMERSLLYRLHGHEIKDGVVAD PDKWKEVYRSKY
GRVRIYKILGVDEESKTWVEDSTNLICDVPGSWFCPGQYPPGLSDILARKTDFPQVEDFN
RDGADEEYRKQYFENLNNPKKATAKARKREREMKLNEMGNEDNSEAPPRDQTHAKKGVDE
IYNTWEDTEDTTLMWTLISSNQVDDL RMWLEEDPTIAFIRSRDGRGPMWWAF EKRNEDIT
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>comp13487_c0_seq1; 130 109 756 LEN=1303; translated
MSAAETKSGVIGDEIDNFRDRRWQWHNGVPDHSIADGKLTVRPTPNKDYWCRTFYDPLL
KTDAETFLAWIEAGDEATIATSFTLEPRSQFDQGGIMVLVDEDTWVKAGVEYTDGIPRLS
CVVTNEGFSWSTQEIGSKESTGSSSVSVHVR LSKLNRPGSAQGPCLVFEVGNASGDKNS
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>comp13488_c1_seq1; 1324 181 2679 LEN=2720; translated
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NRREVFSNSAKALFGGLATPFMLAADPANALLLRFPVDDPNTQPLKNKYHFIRAGTSELE

LEGIYSTNALFLTNRDNALSQQGYDCLRDSISALKKTSLPPTVVYHSLAANGMDTGDI
RELRLGRDRLLPEFTYLDQRGIGLWDSDETVVVRPAVWAMDAMEAGVEGFGARPPANTDG
TPNDTLHDQFTRLRQFLSLQESRTAGEIILVIFPDGTGPALLSCMIAGIPFRDVHALEFQ
PGE LRQDITPESVRALYEERKNDPSYLAKIEDGKEKLGAPDPKAKDFSVSFKDSRANDK
QEEDNQAYYQKQVEVAVAQAKAEERRAAMQEQRLRSRERAKAKEEQKKQEALAIQERKE
QRLREQALADQKKAKEEAAYAARKQALQEKADSAKA EKSSVAPGAAPAAPFGLSP IVLG
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ATVDAVAHNASALAAETKATSTDSKADVDGDAVGDAEAPAPVSSTKAVERN ETPETPRE
TSTAAAATKTAQPERPKDAEEEFATKLQAAEQEMKDALVEAAGVKERKQKKQQQRQKAN
RPKSQPPATGKKATSSLFNNDPPVTITAAAKTTNLVYEDDQDDSAWLQVLSEIRDEVED
EEDEDFGMVDYASLVSNDTDFYTNSTSTTQTYRSSKPQEATAVSAYSTE
>comp13489_c0_seq1; 445 57 1475 LEN=2307; translated
MMRTEHSDLSPRLSLEVAGHPLSSLGFDGNRSSSSPQEHRRGVGLGERRVGVLSLSSPPA
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IADGLASLAAELEGQSPEERNRLADAIGHDLRLCDEALLGAQGGGAEAEIDAGNPASASD
AFVVGNERDEVLRALS GASTLLRDMETS FREIGDEEAEEIADAALITARLFLLSLESFYS
NLVENLDRGDDRGRCGEPIASGVFIEELAGGDGDGSDGDGGAEPLEEHRAGR TRESRRH
AHRMRVLWLPALGPGVDTAMAWTREEATRPF LAVALGLTLWPVALSTALLGTSVALIDG
AVQEA YDRFKDGPWISALEHGAAQAYQAGRLSVATGRLVGRQGLRVAARQIERRGGLGPV
ALDLGGMALDKIAHPIDTIGKAWDGLHWGFGAVRDTAEFFLSVRRERRESMV
>comp13490_c0_seq2; 250 92 1137 LEN=1197; translated
MEVVLGYGACSAE SLGRILFTP VATGGRSEGDVAKEEDNDSCSSLSAIGIEVNANGDAT
VETTTTRANTS AKKATIEVDDASVVPVEDAHSYDSPWGR LKARRRSPQKNPHPLSMIDT
IVIPSHSASSSTASTSSSTIFDSADSSTSGSIHESVADSLQHTARRPSAPSIEVTLCTGR
SPQSSSYGGLPHTSLSSSSFCSSSSSVVYLSSPLSSSQDAHPRHKMSTQTNSRFLGRTSR
IRRVRELLKEDEDTGSGARKNCSIESGAKKMAEKARGTSPEKRS PVS RMDLQQVAGNPGT
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>comp13491_c0_seq1; 1294 1 3598 LEN=3798; translated
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IKDEEQERQKGDTRSGTPASPKEAVPKITREQLDADEETSRTQRTILMKSTGGGYGYDR
DAAAP IAQWGI PDSLAVGKGNPNASPS SARGGRQ RWAAGAMGEREAKSYLDAFVALQLW
ILSLPDDSAGIVGWQPKTTNVI AKAKALIDVASKVTSKLEKDKTNKEKENENSSNDAA
KEGKSGDDKVEPKATGSE DGAPMEVDGEEESDEKPKQDEKES EGKKDEEQNKDDGNT
SNGNKDGTNGGADEPKAPPSDSNILAAVISELTKPTAPKKTADDPDTNGVSRSAVYPIPP
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TEDMVKLNTHNSQHMEALGHLK TILIQVASIQAKKRELENDIANASSRGGNIDPARQKKL
QEYDHTIAL LHQKHTESSQRATHAFDRMCDMPFLRRARAVRWQLTLSTTSYGMLCQFLNS
NVGAGGSNDT SLLAMSTLLQTKCELHVEQRDPLPFTPVVVLEDKYATAGLPESDKSATKP
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RSQNDSSSTNNSSSFLWEEESGIGITCAKLCSPDGRR IAVGCCD SAIRVWNLMNDNQSKGS
NSNGGKQMSVGDAGQVLLGHKNGFPVFDLSWNRDGRSLLSAGGDG SIRLWDTSAQGPFG
VVQSSSILGTVGGPPVGIATGGSQTAKKPLVSTAVAKETLTKATENLRKDPDLSVPGLRPE
SKAYTSGAALAVYRGHAPNTP IWSVAFSPSGYFASGGS DATARLWTTDRSVPVRLFTGH
TSNCIHSVVFHPNCNYVLSGSEDKTVRLWDIQTGQCVRL LN GCPVGIYKVEIDPSGQYAF
GADLYGTVHVWDLATGKKVTELRSPRHGNVIHPPGPDQRRQSVEMIHGF AFSPCGKALA
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>comp13492_c0_seq1; 376 80 802 LEN=965; translated
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SSTINSKTEKFLTFTHIEVMRNE LAHMMQIANKDKEIFQLQQAEDMKLQANALASKDD
EIANIKKKILELESSSLAEDKLAAEVMEHSKTIKVLMETQYDYHQAKGNSWFRSFCYA
>comp13493_c0_seq1; 552 111 2007 LEN=2212; translated
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FRGTSKRASAKSYRELQFEKILGTAPNGETSTNTNSNHNVVKMSELKQLAWNGIIPPQY
RAMSWKIMLGYP TNAMRRQQT LERKRAEYKDAIQQHYYIDDNSRTIQEQETLRQVLVDV
PRTAPDIQLFRNEKVKRALSRLLYI WAMRHPASSYVQGINDLATPLFAVFLAE EYDGED I

LDGSIMMVLEDERIDEVGRCLVSRSSLCRVSYVSVCEIPLHSMVFYAIRIVLYYAVCX
VWKSLSLSPASTDSFRVCNQFIYVTNDILDLSLTHLSFMQVEADVWCLTNILAGIQDHYTA
DQPGVQRMVMRLEELVNRIDGDLYKYIHSVGIQFMQFAFKWMNCLLLREFNLKCVIRLWD
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>comp13493_c0_seq2; 625 111 1760 LEN=1965; translated
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TNSNDATSNGNNNYSNNSITHEYYDDEDGQNSVSTMGESVSGIRRASSFAANSSSEGGSL
FRGTSSKRSASKSYRELQFEKILGTAPNGETSTNTNSNHNHVVKMSELKQLAWNGIPPQY
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PRTAPDIQLFRNEKVKRALSRLLYIWAMRHPASSYVQGINDLATPLFAVFLAEEDYDGED
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>comp13494_c0_seq1; 457 194 1836 LEN=1874; translated
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WNR IAASEAILVDSDVGRSRILVVQLQGHLFFGNMAFFTDQIHGLLSPPSGQSSKSNIGI
TIDEIDKKSPLVIMDFSLVLGIDSSAAHGIVKLNNTILNEYGIQLCLYVTGSTEGFPTE
FDLRGQLSSNKGSDPAISLPDEETSLLDRCQDSPYTGSRVCDSLDVALMEAEDAMIARQ
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STMGELIWRQNDESDCVKILILGQLIAELENEAGTTEIIPSGCIIGELGLVNGDPRMSTV
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TSGFSIK

>comp13494_c0_seq2; 750 160 3047 LEN=3085; translated
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IGIFHLMVGIPIFGVSYFPMYWTSHPGDASSPGAIASDSVGDADFHEEGQFP IPGKEAFGI
RMFLFSTFIGQVFAFFSGFKNP IGLQMVENIGFTKELATIAISHQGYGLEALSTVMVMF
AISSVLVGLVFFLLGKFKQMGKVYFFPPTHVLIGLIGGIGILLCKTGLENTISKSVSMITL
IESRNLWSVVLFLLEMLRLLEYMTADSKGNPRFALLSPIFFCMITPCFYLTWLWIKIPVA
DSKDAGYFFPPLSNVEDTDESMPFNENFGTPWDLWKVIDFSSVSWKAILDLSLPTMLALV
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GKGRVSGLAVAVVSVGLFFVGPASIASHIPRCMAGALLLHVIGIDLFLEGVWDSYGKFDLLE
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ASEAILVDSDVGRSRILVVQLQGHLFFGNMAFFTDQIHGLLSPPSGQSSKSNIGITIDEI
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QLSSNKGSDPAISLPDEETSLLDRCQDSPYTGSRVCDSLDVALMEAEDAMIARQSPSLV
KQDELLSKLKLDTQSGTLSREEEKEEFVSTLKEICPGDLGDDDADALFSLFHREASTMGE
LIWRQNDESDCVKILILGQLIAELENEAGTTEIIPSGCIIGELGLVNGDPRMSTVKCSSK
EAILYSMSRTSFERLISTQPRRLARYIDLICVKYLALRVQHVSNIIFXNKMSPNLGTSGFS
IK

>comp13495_c0_seq1; 380 1 958 LEN=958; translated
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QVDSEGANSEEVAVTVGSKTEDDTPVLESVQSSEQSI SNQEHSEL PENWMSKLDSSSGK
EYYNTSTMETSWERPSNSLEVELKIKDENSTTYEVTNDATTVDPEYTDTA EVTNEISIE
SERIDTAAIVDETTILNNETI INNEG DWVETKDPSTGQPFYNEITGESSWDRPPEMHP
VKTETSEDQVGRQREIEAEPTEVQEEAETVTEGAVEAQTKEAAIEAETKDPTLPENWTE
VEDPNSGNIYFYNTL TEETR

>comp13495_c0_seq2; 1031 1 2410 LEN=2410; translated
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EYYNTSTMETSWERPSNSLEVELKIKDENSTTYEVTNDATTVDPEYTDTA EVTNEISIE
SERIDTAAIVDETTILNNETI INNEG DWVETKDPSTGQPFYNEITGESSWDRPPEMHP
VKTETSEDQVGRQREIEAEPTEVQEEAETVTEGAVEAQTKEAAIEAETKDPTLPENWTE
VEDPNSGNIYFYNTVTEETRWRDPTDGEGLAKESANIPIDDAQPELVMNTMNDTQK DSEH
EELITPSDSKSYDALHPLPEHWIEAIDPSSGQTYHNTISGITSWERPTSNEISNIDDKD

PQEDELQTEPETPVQVEASSISLRDDGPESQVEPEGEDGGIVSGENSDVDGLPDGWIEAI
DPSSGQSYFYHSESNTVSWERPTVEQDNSKVIITDNDKKEEVEAVEANQKSDVDSTAVHNN
DIEPEVSAHGVDNVEDTKPLPNGWIESIDPTSQQVYYNSLTGDVSWERPSSMPEDKEVS
ELGMDIAQEEEEKSEIEPEVSRSDNESNNLGDTELLDDGWIESFDDKTEQVYYNSISG
QVSWERPISKMTSVDKHEDEAMDAKVSTLAESNSTEIEPKNSSASSSIKSASLNPKSEKE
VQQENSDNHEDNNETDDKLPDGWKEMEDPTSGEVYYNAESGETSWEKPVLPKEASSVDEP
AGEVPEVGNKAGDVNGSVGEVVPV

>comp13495_c0_seq3; 333 1 623 LEN=623; translated
DTLPDGWEEMEDPTTGEVYYNTDSGETSWERPIEKGASDIGEPVGKILVEDKTLMDAN
DVSPSEDVLSNGSKELNPSSGEGCGSNAESGETSRGSPFSGGESDDMLLQNNAEADGVA
NLRETLPGEWEEIKDPSSGEIYYNAESGETSWEKPVLPNETNDADTVDEPVGEDALEESE
EAEDVDDVSNKDALPEGWEEIEDPSNG

>comp13495_c0_seq4; 1096 1 2455 LEN=2455; translated
XNSMTGETAWERPIQSSATVDNHNLDGQDTFETSGVDSVALEEVPSIDDTLDALNLEF
QVDSEGANSEEVAVTVGSKTEDDTPVLESLSVQSSEQSI SNQEHSEL PENWMSKLDSSSGK
EYYNTSTMETSWERPSNSLEVELKIKDENSTTYEVTNDATTVDPEYTDTA EVTNEISIE
SERIDTAAIVDETTILNNETI INNEG DWVETKDPSTGQPFYNEITGESSWDRPPEMHP
VKTETSEDQVGRQREIEAEPTEVQEEAETVTEGAVEAQTKPEAAIEAETKDPTLPENWTE
VEDPNSGNIYFYNTVTEETRWRPTDGEGLAKESANIPIDDAQPELVMNTMNDTQK DSEH
EELITPDSKSYDALHPLPEHWIEAIDPSSGQTYHYHTISGITSWERPTSNEISNIDDKD
PQEDELQTEPETPVQVEASSISLRDDGPESQVEPEGEDGGIVSGENSDVDGLPDGWIEAI
DPSSGQSYFYHSESNTVSWERPTVEQDNSKVIITDNDKKEEVEAVEANQKSDVDSTAVHNN
DIEPEVSAHGVDNVEDTKPLPNGWIESIDPTSQQVYYNSLTGDVSWERPSSMPEDKEVS
ELGMDIAQEEEEKSEIEPEVSRSDNESNNLGDTELLDDGWIESFDDKTEQVYYNSISG
QVSWERPISKMTSVDKHEDEAMDAKVSTLAESNSTEIEPKNSSASSSIKSASLNPKSEKE
VQQENSDNHEDNNETDDKLPDGWKEMEDPTSGEVYYNAESGETSWEKPTQLGAE EIDEP
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>comp13495_c0_seq5; 1633 1 3723 LEN=3795; translated
EEAEDVTDVSNKDALPEGWEEMKDPSSGEIYYNAESGETCWEKPM SERTAEADGVDQP
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TVVEGDEPVAGEAQDSDGMDTLPHGWEEMEDPSSGEVYYNVMSGETKWERPMVQTETFS
RDNKLENIDSSVNI GEIDDGDEPHSEKAADGSQFDLNGEGVEAEDSISVSGPLPEFWVEA
NDPTSGKIYYNTLSQQVSWDRPREIEEPTTVLESKINGTVLRNDKSVDDVKEDGDCIES
ENESTGSVLSPLPEGWVESTDPNSGETYYYNVKSEETSWKR PVLTSQSLDNNKSRNEVD
AQSEHVVASNEGGVEAEESIENNF SNGNRKTGSTESDLPENWVKVDDSPNDVVNICDDWV
DVQDPLTQNEKSDKVEDDGI GANESMHALPTGWVESTDPSSGKIFYWN ESTGETSWDRPD
RNNSSSKNGDDDSRPTPIVEVGNVCDIESEKFKFGISGPLILCDERIVTEYIKTKAKSKD
ILWQLIAIAARSKGRLRSYGVVDKSGPEAAIVQLLLNDPEYPSQKRKSKNDVVIEEKIG
DEIEGKDSIVRVQDLLIRGDRENAIEEAIAIGDFATALLVASMCDADTYKVALQYARSK
FRSDSPMYTTTMLFSGKMESPSKRQSNWGVKPEELRKNWKMHLAAIINNRTFGWDRIVL
SLGDRLNEIGNITEAHFCYMVCGYPITSPTDEETRVLVGSSSHSVSQNKLLTRESLVAY
ERTEAYEWAKRLGNPHAYFAAFQPFKLIYAMLLADNGELVQAKKFVESIQISLDRGRLTA
SDISEVSMKEMFNDVAFEVAYCEIKQRLFSTDGPKSKYRDEVLSGG SLEVVT LKGHIDS
SNDGLGRDMKLGKSVSVLHPGESQQQRSSHLNQLDETFTAKTNLMDRSDYSIGATDNDR
STGLGIASKAEVNVTAAPPE SKAKDQSKFAKNPTATAEMTAKQKQPAEPVAETNAPGLK
TQPQNPERPKAAPSTAPAVMTGKGKEKEKQLK KAPVSSGTPKKAPGSGSFGGMKSKLIK
WLNPNAKECHLPENEEQPYFDKDLKRWVFPGD DPAELAKPAPPPMVIKKEEEVKKEEPK
DAISSMAPPKSRFSAKKNPVLGGPPGGGMPPMMGGMMMPGASPSGMITPMGGGP GGA
SGTPKFATFTPKPAVFTPKPADEASSKEDPAATTKGQSEE

>comp13495_c0_seq6; 1670 1 3804 LEN=3876; translated
SWEKPVLPNETNEADAVDEHVCEDKLENKHEVKDGAVLNAEDALLEGWEEMKDPSSGEIYY
YNAESGETCWEKPM SERTAEADGVDQPVGEDALEDMDEIEDDAALNAGDLLPDGWEEMLD
SSSGDIYFNAESGETSWKRPT EADGATVVEGDEPVAGEAQDSDGMDTLPHGWEEMEDPS
SGEVYYNVMSGETKWERPMVQTETFSRDNKLENIDSSVNI GEIDDGDEPHSEKAADGSQ
FDLNGEGVEAEDSISVSGPLPEFWVEANDPTSGKIYYNTLSQQVSWDRPREIEEPTTVL
ESKINGTVLRNDKSVDDVKEDGDCIESENESTGSVLSPLPEGWVESTDPNSGETYYYNVK
SEETSWKR PVLTSQSLDNNKSRNEVDAQSEHVVASNEGGVEAEESIENNF SNGNRKTGS
TESDLPENWVKVDDSPNDVVNICDDWVDVQDPLTQNEKSDKVEDDGI GANESMHALPTGW
VESTDPSSGKIFYWN ESTGETSWDRPDRNNS SKNGDDDSRPTPIVEVGNVCDIESEKFK
FGISGPLILCDERIVTEYIKTKAKSKDILWQLIAIAARSKGRLRSYGVVDKSGPEAAIV

QLLLNDPEYPSQKRKSKNDVVIIEEKIGDEIEGKDSIVRVQDLLIRGDRENAIEEAIAGD
FATALLVASMCADATYKVALQYARSKFRSDSPMYTTTMLFSGKMESPSKRQSNWGWKVP
EELRKNWKMHLAAIINNRTFGWDRIVLSLGDRLNEIGNITEAHFCYMVCGYPIITSPTDEE
TRVALVGSSSHVSQNKLLLTRESLVAYERTEAYEWAKRLGNPHAYFAAFQPFKLIYAMLL
ADNGELVQAKKFVESIQISLDRGRLTASDISEVSMKEMFDNDVAFEVAYCEIKQRLFSTD
GPKSKYRDEVLSGGSLEVVTLKGHIDSSNDGLGRDMKLGKSVSVLHPGESQQQRSSHLNQ
LDETFMTAKTNLMDRSDYSIGATDNDRSTGLGIASKAEVNVTAAPPESKAKDQSKFAKNP
TATAEMTAKQKQQAEPVAETNAPGLKTQPQNPERPKAAPSTAPAVMTGKGKEKEKQKLNK
KAPVSSGTPKKAPGSGSFGGMKSKLIKWLNPNNAKECHLPENEEQPYFDKDLKRWVFPGDD
PAELAKPMAPPPMVIKKEEEVKKEEPKDAISSMMAPPKSRFSAKKNPVLGGPPGGMMMP
MMGGMMMPGASPSGMITPMGGGPGGASGTPKFATFTPKPAVFTPKPADEASSKEDPAAT
TKGQSEE

>comp13495_c0_seq7; 1013 174 2644 LEN=2644; translated
MWSQFGTDGGPPPPPPQPGFQPGFQPPPTNNQQGGFHRPPPLQNEPARSFDESENFNDNS
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PPAPAPIEQFASMLDEEDEDMTEVDMDAPPSSETAGDVFAFPPTPPVDAAGAGGTFKPP
PSPAGGFRPPLGATAPAQRAPSPRPATPPLPPTNAAKDLFAKPPTPNRTAASTAPAFPPP
APQTPPNVFAFPPTPNSSSRTPAPVFAQTTPGSSSRSSQGPPVFPLASVAPGTASHP
PPAFGASAPATPNPPPPETLFSKPPPSKPSTPVLPHASAAARTPPTPDRPALFSQPPPSKP
PTPVAPPKAVAVFAHPPPQTPTPPPREALFSQPPPTPVDVPTESASRSVSNTAKSTSDN
ALQTIISGCSNVMSNSKSVEGTVTGAAAAQSLHRITPPASPSPSIGSNQAKKTIEQSAPEV
ASSSASKKAPSKTKIVPVAASPPNIRKRLRGPPPLSSSLTSGRTTRSFKLPTPRKSRS
RTPVRNPRANDSNQTPTRNLPSPSANKKSGIVSPTMGTTTGRPPATAAAKTLPISSMGDA
KTISNDTVDTTASLSIPPMDHSAKRKETEAAATNAVSAVPETSTGGSDVTEEAPTTAKEE
PEVEVETSETIPDDAGPEVVPPTDERDPTAHGNIDNKLPEGWSEATDPATQKIYYNSMT
GETAWERPTQSSTTVDENTLGDGQETLEKSAEAAAGAEETNAEFPAVDKALSTPAADFNAE
NPPEYTTATMNATEEPAEGMGNNGLEPEGWSEATDPTTQKIYYX

>comp13495_c0_seq9; 363 1 554 LEN=554; translated
KNGNEAEDVNDVDFSNVEDTLPDGWEAMEDPSSQEVYYYNAKSGETSWERPVIQEAGSVDET
VGEVPEVNGNETGDVNGSVGEVPEVNGNEAEDINDDSNAEYALPDGWEEMEDPSSGKVYY
YNAESGETSWEKPVLNENETDADTVDEPVGEDALEESEEAEDVDDVSNAKDALPEGWEEIE
DPSNG

>comp13495_c0_seq12; 545 1 819 LEN=819; translated
XEVYYYNAESGETSWEKPTQKDTKETDTVDEPVGGDALGDKVEAEEVDLTLSEEDTLPEG
WEEMRDPSSGEVYYYNAESGETSWEMPILEKAGNPDETVSDAPVETGNEAEDVNDISNVE
DVLDPDGWEEMEDPSSGEVYYYNAESGETSWEKPILNETYDADAVDEPVVEDSVEDEYEIE
ETGPSLSKEDALPEGWEEMKDPSSGEIYYNAESGETSWEKPVLNENETDADTVDEPVGED
ALEESEEAEDVDDVSNAKDALPEGWEEIEDPSNG

>comp13495_c0_seq13; 401 1 568 LEN=568; translated
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WEEMRDPSSGEVYYYNAESGETSWEMPILEKAGNPDETVSDAPVETGNEAEDVNDISNVE
DVLDPDGWEEMEDPSSGEVYYYNAESGETSWEKPVVEEATSVDEPIGEDSAEKEEVEGAL
QEGWEAMEDP

>comp13496_c0_seq1; 506 467 1963 LEN=2066; translated
MSSTNNSSTIEHTQSQENSPFLVRLQFMDNIQELRSFCRKQYKIGDRIDFLRSDQGRWEK
SSSSKMETTDRSLYGNTEENLGMVRESWSQKPRWVVDLFSASEASTFVALRESRVWNMKDC
QQYQIRYIPKKKQQKQGTSKSRKSDKENKSDSSASKSASSFLKDNNDNNSRNDSHHGCG
KEKRLQAQELINFFMSVIRSKIVANREELGKNGDDLVMSSQRGDIEQVRVDWFNRGDGVL
DVAGGCGHVSMLGMNGILSTVVDARSSVGKLPGRDRKIWKRRMLMNKPTRQRRARQVPNG
ELPKPITLVGFYEYCKPVVEEPLAVPFKSQQAWFGSKPDGYDASFRHPEEEDIPLMIATAI
PNHDIEDHQRCLENISSNRLDGDFTSTQKIEGSMSSQPPSPSMTLRRQASALVALHPD
EATGEIVQQAVKHRIPIFVVVPCCFARLFPHRKTKNRGRGVSTYEDLLDFLQEQDPSIQRT
KLSFGGKNHALWSTFPDG

>comp13497_c0_seq1; 229 234 719 LEN=855; translated
MIKTALERDYSSDAESKPRYAMESALESILTNTDWELEQFTSCQKSGGARHLECIVIGWQ
ESWSQALQYAYTKNSPWVTDSDRIIEVAPGDEIDEAYRSRIPIVEEQLIAGAIRLAATL
EDIFGHKEDMNGCNGSKPGMVQQTSMRMEGIRTWSYISLLRY

>comp13497_c0_seq2; 213 340 1002 LEN=1731; translated
MNSNTVLFRAFSSSTASRAAPTRRHGNNGRHPNNLHDPDNKAVAPGSSATPMRLFSGRNP
ADGEDGPGAGLPALGPAGTTRDDGGQNDTGSRCSDRSAHIDPATMPESHKNNTVATFVNP

KFSLQYTCNICETKNRVLVSRQAYREGMVAVCKGKCNKHWIADNLDPTLKETPNIEDYL
ESKGMGNTIHRVSKIEIYEIERVWGLKEGVLTDDDEGNPMLE
>comp13497_c0_seq3; 414 167 1453 LEN=1589; translated
MLFRAFWTCLLLVIGVDIVTSWGEDGHIIIANLAWRRLSTQVQVQVSTILNIANATQVE
DLGSPMAVVANWADHVRPFLPWTGPMHFIDVRDDLIIEGGCHFHYESLRTGGNDSSATS
DLCEFYHRDCVNEICVAGAILNYSTQLIEGQQQKLGTKDEQNFRISSSSRHLRQGFETE
PVTIDYSMKYMRQALMFLIHFVGDHQPPLHVSRTSDRGGNDIPIKYNPINENTTSYAGEH
NQRKNLIEQYSTTHYHAHNHLSVWDTAMIKTALERDYSSDAESKPRYAMESALESILT
NHTDWLEQFTSCQKGSARGHLECVIGWGQESWSQALQYAYTKNSPWVTDSDRIIEVAP
GDEIDEAAYRSRIPIVEEQLIAGAIRLAATLEDIFGHKEDMNGCNGSKPGMVQQT
SRMEGIRTSYISLLRY
>comp13497_c0_seq4; 213 340 1002 LEN=1514; translated
MNSNTVLFRAFSSSTASRAAPTRRHGNGRHPNNLHDPDNKAVAPGSSATPMRLFSGRNP
ADGEDGPGAGLPALGPAGTTRDDGGQNDTGSRCSDRSAHIDPATMPESHKNNTVATFVNP
KFSLQYTCNICETKNRVLVSRQAYREGMVAVCKGKCNKHWIADNLDPTLKETPNIEDYL
ESKGMGNTIHRVSKIEIYEIERVWGLKEGVLTDDDEGNPMLE
>comp13497_c0_seq5; 213 340 1002 LEN=1792; translated
MNSNTVLFRAFSSSTASRAAPTRRHGNGRHPNNLHDPDNKAVAPGSSATPMRLFSGRNP
ADGEDGPGAGLPALGPAGTTRDDGGQNDTGSRCSDRSAHIDPATMPESHKNNTVATFVNP
KFSLQYTCNICETKNRVLVSRQAYREGMVAVCKGKCNKHWIADNLDPTLKETPNIEDYL
ESKGMGNTIHRVSKIEIYEIERVWGLKEGVLTDDDEGNPMLE
>comp13497_c0_seq6; 393 465 1556 LEN=1692; translated
MAVVANWADHVRPFLPWTGPMHFIDVRDDLIIEGGCHFHYESLRTGGNDSSATS
DLCEFYHRDCVNEICVAGAILNYSTQLIEGQQQKLGTKDEQNFRISSSSRHLRQGFETE
PVTIDYSMKYMRQALMFLIHFVGDHQPPLHVSRTSDRGGNDIPIKYNPINENTTSYAGEH
NQRKNLIEQYSTTHYHAHNHLSVWDTAMIKTALERDYSSDAESKPRYAMESALESILT
NHTDWLEQFTSCQKGSARGHLECVIGWGQESWSQALQYAYTKNSPWVTDSDRIIEVAP
GDEIDEAAYRSRIPIVEEQLIAGAIRLAATLEDIFGHKEDMNGCNGSKPGMVQQT
SRMEGIRTSYISLLRY
>comp13497_c0_seq7; 393 306 1397 LEN=1533; translated
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DLCEFYHRDCVNEICVAGAILNYSTQLIEGQQQKLGTKDEQNFRISSSSRHLRQGFETE
PVTIDYSMKYMRQALMFLIHFVGDHQPPLHVSRTSDRGGNDIPIKYNPINENTTSYAGEH
NQRKNLIEQYSTTHYHAHNHLSVWDTAMIKTALERDYSSDAESKPRYAMESALESILT
NHTDWLEQFTSCQKGSARGHLECVIGWGQESWSQALQYAYTKNSPWVTDSDRIIEVAP
GDEIDEAAYRSRIPIVEEQLIAGAIRLAATLEDIFGHKEDMNGCNGSKPGMVQQT
SRMEGIRTSYISLLRY
>comp13497_c0_seq8; 213 340 1002 LEN=1502; translated
MNSNTVLFRAFSSSTASRAAPTRRHGNGRHPNNLHDPDNKAVAPGSSATPMRLFSGRNP
ADGEDGPGAGLPALGPAGTTRDDGGQNDTGSRCSDRSAHIDPATMPESHKNNTVATFVNP
KFSLQYTCNICETKNRVLVSRQAYREGMVAVCKGKCNKHWIADNLDPTLKETPNIEDYL
ESKGMGNTIHRVSKIEIYEIERVWGLKEGVLTDDDEGNPMLE
>comp13497_c0_seq9; 412 1732 3321 LEN=3629; translated
MEKKGDPGIPDDEKKVVEKERDTAADLDKEKEDTESVSSTKPVNEPVIEDKTHKSIQST
NSGNATNQPAGAFVNNPLFRSDNERSSTDSTPSVLPLASAVASDQAVVTPVAVRTERIFV
ATAVDFDEEEQEQEKQRTKSSAWGTWWKYCVAAIVLLLITGIIIGVVAFQRNNKSEQSERQ
EEAPKSDHEVVAFRNRNSILEIVSPLSGAEAFDPAGPGASADRIAALWLVETDPARIPVP
GANETDRVYDLRQRYVLALLYFALTDGQWDRFNFLSGSDACDWNTIRRQEEGVFRES
D TDVIRGVVVCNADGKVSIIKSYWNRMSGTIPHELFFFSDSLEELNLGGGSI
SGSIPTSFSQLKLDLWLNCLTGLSPDTRLLSLYVNNNDRLVGLNQCYNATSGSRKDG
VATLADCDADPAAPGGGSIIECDCCFCDPGTCTDLVAGASWPSYFLNDFSPGGGLE
ILAKPCVTEAQTDFRSEPCVVNVSTDLVQEPFQGGQCTKNCTEPGAVPSVDLDRFR
>comp13497_c0_seq11; 350 1732 3515 LEN=3823; translated
MEKKGDPGIPDDEKKVVEKERDTAADLDKEKEDTESVSSTKPVNEPVIEDKTHKSIQST
NSGNATNQPAGAFVNNPLFRSDNERSSTDSTPSVLPLASAVASDQAVVTPVAVRTERIFV
ATAVDFDEEEQEQEKQRTKSSAWGTWWKYCVAAIVLLLITGIIIGVVAFQRNNKSEQSERQ
EEAPKSDHEVVAFRNRNSILEIVSPLSGAEAFDPAGPGASADRIAALWLVETDPARIPVP
GANETDRVYDLRQRYVLALLYFALTDGQWDRFNFLSGSDACDWNTIRRQEEGVFRES
D TDVIRGVVVCNADGKVSIIKSKSEELXLTSLVGTVMVRSFPNEHDDLVLQALDGGGDFQ
TNSYSLTVYRNRFDLVILAHNLLQIGTGCLERFLXELFFFSDSLEELNLGGGSI
SGSIPT

SFSQLLKLDSLWLNNDNCLTGLSLPDTTRLLSLYVVNNNDRLVGLSLNQYCNATSGSRKDGVG
ATLADCDADPAAPGGGSI EDCCFCCDPGTYTCTDLVAGASWPSYFLNDFSPGGGLEILA
KPCVTEAQTDFRSECPVNVSTDLVQEPFQOCTKNCTEPGAVPSVDLDRFR
>comp13498_c0_seq1; 536 455 1681 LEN=2113; translated
MARIDEMEKKI HGRQRDAQSLFATDKADEARFVGLHEPIRLAKGNKIDGAQWTGVVTGIA
LSMLESKNVDVAVCIANS DSSGNGSNFASPEPILARTTADVLKGRGVKPALAPSLRVLDQ
IQNDPTIRRLFCGVCQAFRAIQSDLDLEEVYVLTNCADNSPTPEARNFISEGVQ
IDSNIISDVQGYEFMQDFQVHVKSKEAYVTKPYFTLPGTIAEASIAKSCRACFDYTNALA
DVVVG YMGAPLDGSGQAARMDKSSQTLTIRNERGAEMVDIALKASRLNLGERAVGDGSHE
AMASATVASDAIVSAMVGNVPEKGMGWLQIMAFGMQRLGPKGINFAKYSIDYHILRN
YLFV LKTKGDLESAMMALPQNARDIVKYYHENDKEFASLVSKIQKADE
>comp13499_c0_seq1; 860 80 2419 LEN=2711; translated
MPSCPSGLCKDPIQPDGRAKWYPENPSNLPDLKVHNSLTDDLDFTPRVGRTVTVWYTCG
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KKSLEAKDLQAVEAYVETAMAGFRQKLEKKVSELKEPLPEGTPSKQIEKREEALKEAEFK
ESQFC EVELAVKSVKEKEGRTIEDLIAASRDALAAQLDKEHGSSVTDRKIYEDHARKFER
EFFEDMAALGVREPDVVRVTEYVPQIVDFIQKIIDNGCAYESKGSVYFNTNDFKSVGHE
YRKLKPGVDTTAEEMAEGEGALASGDTEKKHPNDFALWKASKPGEPSWESPWGPGRPGWH
IECSVMASDVIGDNIDIHGGGADLMFP HHDNEMAQSEAFHQCCQWVNYFLHAGHLHIKGL
KMSKSLKNFITIRQALQEHTPRQLRLMFLMQSWDKPMNYS DQTVDDAKAKEKYFKNFFGS
VKSVL RNDVFVKEFQGYTTADRTLMTILHDTQAKVHAALKDNFN TSAVIQYLVELVQECNK
YLNPETKPKNLMVKKVAIYLTKILRVLGVVQGS DIIGFGESGTEGGASKEDTISPFVDAF
VDFREQVRVTAKSKGSPGDFLKHCDIRDETLANLGIRIEDSADKSIWKLDDPKVIRKEI
EEKRRMALEVAQKLVAKFDRLTTDLKSKQASVPPAELFKVGENAEKWGT YDDDGKPLT
TKDGKELSKSQKSLKKE SNHEKAHQKLLKAAGEDGIEKYIAGIEQQLAELKIQLESN
>comp13500_c0_seq1; 742 1 1488 LEN=1500; translated
GHDIYEMSADVGNSSGLAEDEIHAMIADRLMAKLSRDFGTADGIQTDLVARGV FVHDGIK
EWRWDGVPYGD FSERRGHDRRGNPGKTEGSRSSYDIAYIKSSF SANAEGVVD EMIKLV
ERLRFKLD RNFDKADAI REGLRTRY NVLIDDR LKMWSVGGDFGEEHNKRRELAHQFATRG
YIKSKSSLSVSPGDETYIQEQIDERFLAKRDRDFRTADDIRQHLL EDDYDVSINDKLMWS
VGGAFDE DGGNNKPRGVYSRRGGGNLSDEAVEEIQGLLAERYTHKKNRDFDAADAI RDDL
EARYDVRIDDRSSEWRVDTNEYFAAYTGSLSDADIEYVSSKLRERFQCKRDRDYDAADAI
RDELGDSFGVSVDDRTKEWKVETVQEDQHSMPYNKQOEDDGFDFGQDFELSVDDFEEDDE
EEGDNDDEADIEIVSEEEDEEEIEEAVEE DEESSL TEEELSKLTVVILKEKLRDAGLPV
SGKKSELVARLLAS
>comp13501_c0_seq1; 611 33 1871 LEN=2004; translated
MKSC LSSFI FVVLCTRYETHALGVAKPKKVVVIGGGWAGFSAADAL SEIQQSDGEGGAS
APAFQVEILDASPRGPGLAAGWRTPKLNRPVEAGLHGF WREYKNTFAA IERIGLELDDV
LTPFTPSILVSKSGKVALSPVLGDGYDTQKDEGEKKDNSIFGGSLPTDPESFVTSKLAEL
LPPPLDLALLSEFEGDNPLKVVDRLSGIGALGAWADFEQEDAKSWERYDKISAENLFKSV
AGVTPVLYDELVSPLLHVLPMP TPGYDCSAAAALSCLHVFALQTRGAFDVRWCRGSI TEKI
FDPWSQKLQKRGVSLRGGAKVTGIVALEDN DTDAIATNPTFRITLNDEDNTLDADC VVF
AIGGTS LKRLLPACPLAKIPQTKNWEKFRGVTCVAVRLFFEREPILLKEAMKDSPVVVC
GAAIGEIP ELSETGF CIYDLERLQDSNDVVS AFEIDFFRADPLTNLADEEVVRITLKA VT
AALNISP I HESAVADLSVVRARDAVSHFCVGSASWSPDVK LSEGMYICGDWIDRTGHASW
STEKSVVTGIQAASALASDFNTKTGISVIPAAPDTPQLSALRQFSRTVTRGRIPPPFEDIK
PQAPWTLARRFF
>comp13502_c0_seq1; 715 133 1788 LEN=2094; translated
MAVGPSIEPSEVGVSGLIWLF FSYGALFYAANLIGEGSEL LLLVPSMAGLVGSVVLPLL
GAVPDAAILFSGLSIEMAQESLSVGIGALAGSTIMLLTIPWAF TVFVGRVNIEN GKPT
YWGSPKLT PGKTIEETLDHTGVVVSSEIRRGFLMAIT TPIPYFLIQFPALFMHGSTG DIA
KGEHWSILALVVCV FGLVYYMRLQLEF SERGEADRR IAI AKKTLQAGKMSLSGVLKSTI
KSI ESSEHPTSNGADYGSVGLRQPSPESTRILKDL LKDAFSAYDDDKNGLLEKKEIRVFL
KDFHET FDEDEIDKLLQKIDSNNDKVICLDEFVVL CYHLI IDESDHNGNHQVNHAFKRSV
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VMQEIAVKANIP SFYVSFVLAPLASNSSEVVASMFFGAKKTRKSMTVALSALEGAACMNN
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>comp13503_c0_seq2; 419 1 1508 LEN=1508; translated
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TGDNDGNIHLWSPHEDGTSYTVTPSYETPGVSIEDLQWSPSEETVVCAAESNGHAAIYDT
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>comp13504_c0_seq1; 261 150 1073 LEN=1203; translated
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FVVGAGEVLRGLEVAVQRMEEGAACEVVVPWAYGYVPGPLPIPPFSDLVLVVVLEGIE
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RAIADEL

>comp13504_c0_seq2; 297 1 1008 LEN=1057; translated
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KGRVLYDFSQSAQFETGTDFAEFLRILAPELACDVLLWSYAQDLGTETGNQTRSERRETT
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>comp13505_c0_seq1; 199 1 1075 LEN=1657; translated
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>comp13506_c0_seq1; 320 1 1075 LEN=1327; translated
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IENLLTNSYDEFGEIVLREEGWKTYIPNAETIGEMAQWQKFALAI SILSTIGMFTYACYL
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>comp13506_c0_seq3; 240 1 1185 LEN=1437; translated
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IGNSAGYLGPHCASDGKTI SMGIFSDDESCNDYTADLSEVSSYMSVNENGLSYSDNCIS
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LNPPAVTPFDPLTNLSNSSSLQSSNQESQEDIVCNF IENLLTNSYDEFGEIVLREEGWK
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>comp13506_c0_seq4; 1064 222 3956 LEN=4188; translated
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>comp13506_c0_seq5; 742 1 2268 LEN=2500; translated
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SLTLEFQNDQQHQGFIDSVVESTDSVDSASPGKIHQGGPLDAQPIAAPLIEDSKKQYNLR
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ANDSSSDAKENHLSDEEKTTKKTEGPNVVKSELVYGTVLPKSGKHLFIDDTAAEPKDES
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>comp13507_c0_seq1; 478 60 1940 LEN=2408; translated
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KAEQLYGGNGLQSKYDLVMFCMPPGTGSWLAAYINRWDSFYNDEWCQSVSAQMHEVGH
NLGLGHS GTDGNPYGDES GMMGYSYFEDDGPEKCFNAAKNYQLRWYERQSKSV DPLTMGD
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TIYRKESGGEYGYGESTRVAALAQGQNYRISNFKNSGTSVYIYVMSISNDQTDASVILSR
GELVTSLEPPVPSPT EAPGCADANNWTFRGRPNKDCKWVAKGPALTTFKRCNKLDRNTR
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GNKGFRVYDYCNRTC GMVGLGSCDQF
>comp13507_c0_seq2; 405 60 2054 LEN=2522; translated
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KAEQLYGGNGLQSKYDLVMFCMPPGTGSWLAAYINRWDSFYNDEWCQSVSAQMHGXVE
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YSYFEDDGPEKCFNAAKNYQLRWYERQSKSV DPLTMGDAEKVFN VDDYKTS SNTGDKL
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AQGQNYRISNFKNSGTSVYIYVMSISNDQTDASVILSRGELVTSLEPPVPSPT EAPGCA
DANNWTFRGRPNKDCKWVAKGPALTTFKRCNKLDRNTRVYDQCKETCGDVGLGSCAKTIT
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SCDQF
>comp13508_c0_seq1; 581 95 2093 LEN=2614; translated
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QDLLPKIHPTALSGYKIRGIVLTSIAADNAPAEMLLLENSKGM SIPDNVLRPTSGSIIAG
DPDHGVLKLLPMTTIEFSQEGDDSEHNAIMGQALGGANTSDDSERGCSYVSALSSLQTVP
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APARCKACQVIHFWKYDDD IRVEDEEGRXGILQGMFHAQDTLGLGDFVLQCDDMSSSPL
KIPCLSIDFVFPKTALPVDLWVAEDTVNKHSHFAHF EKTRHPYSLELATLRIWDYCHGDS
GGFVHRADLLECPSSPPLLYPWLTLGLNMNDSNASRST DGFHNQNTD GSSYNTSQNAIL
ANGPEKSSKVTMIGEEYEALLQSALEEQAQHYDAEITRLQAEHTSCLVDKNSLSPEETK
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>comp13508_c0_seq2; 676 95 2128 LEN=2649; translated
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QEGDDSEHNAIMGQALGGANTSDDSERGCSYVSALSSLQTVPPQIPACAVCIHRIDPIRL
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DDIRVEDEEGREVF CRECSMHKTLWVCLTCGFVGCGRYSNKHSFAHF EKTRHPYSLELAT
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DKNSLSPEETKEIEALKIEIKSSRDKIGQVSKELVEAQAE EAGLREVSQQLLSEQQEANE
LLKKIQEEHREKEEGERKVQDLEQQIADLDANLRMRQQFSQNIELCNAQIFGTTAAPER
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>comp13508_c0_seq3; 617 95 2001 LEN=2522; translated
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DPDHGVLKLLPMTTIEFSQEGDDSEHNAIMGQALGGANTSDDSERGCSYVSALSSLQTVP
PQIPACAVCIHRIDPIRLGLPAPSVHQLCNKYCQSPSLKHNSCGSEDEACHKQRL LHKWS
APARCKACQVIHHFWKYD DDIRVEDEEGREVF CRECSMHKTLWVCLTCGFVGCGRYSNKH
SFAHF EKTRHPYSLELATLRIWDYCHGDSGGFVHRADLLECPSSPPLLYPWLTLGLNMND
SNASRSSTDGFHNQNTDGSSYNTSQNAILANGPEKSSKKVTMIGEEYEALLQSALEEQAQ
HYDAEITRLQAEHTSCLVDKNSLSPEETKEIEALKIEIKSSRDKIGQVSKELVEAQAE EA
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>comp13508_c0_seq4; 398 95 1126 LEN=1241; translated
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GIVLTSIAADNAPAEMLLLENSKGMSIPDNVLRPTSGSIIAGDPDHGVLKLLPMTTIEFS
QEGDDSEHNAIMGQALGGANTSDDSERGCSYVSALSSLQTVPPQIPACAVCIHRIDPIRL
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>comp13508_c0_seq5; 257 489 1036 LEN=1114; minus strand; translated
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TY

>comp13508_c0_seq6; 640 95 2220 LEN=2741; translated
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DDIRVEDEEGRXGILQGMFHAQDTLGLGDFVLQCDMSSSLKIPCLSIDFVFPK TALP
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LYPWLTLGLNMNDSNASRSSTDGFHNQNTDGSSYNTSQNAILANGPEKSSKKVTMIGEEY
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VSKELVEAQAE EAGLREVSQQLLSEQQEANELLKKIQEEHREKEEGERKVQDLEQQIAD
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>comp13509_c0_seq1; 301 763 1188 LEN=1430; minus strand; translated
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>comp13509_c0_seq2; 301 763 1188 LEN=1470; minus strand; translated
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>comp13510_c1_seq1; 237 29 592 LEN=898; translated
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>comp13511_c0_seq1; 420 1 1504 LEN=1611; translated
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GVTACSITGEGQLQLPPPATSSKAPEGTTPFGGEGRNPDNHVVFDAAYSPGSGLLGVAL
ADGSLRLVNGRGMCI SVVNLPGNQSHLTSFCWDATGNRLATCVGTGHLITWSLDPEHQG
GNQHTIATCTAIFEGGHEPGRPLFGTFCFCGGDENLLLSWGVGKLCVWYSKARGNIYDP
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>comp13512_c1_seq1; 148 558 844 LEN=844; translated
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>comp13513_c0_seq1; 351 259 1059 LEN=1207; translated
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>comp13513_c0_seq2; 351 259 2120 LEN=2482; translated
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HACVSSKIEAGTITRTKVNRCMQIILNSCFHYIIPRSDGSEEKGDYFRDSFSETVQNDV
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DPHLLGNIGASMQAGASLGRPPLQPDVLRMSDELGKFRTTWCTKRYEHDHDL CGFAHI
EANSGLRRDPLVYSYKNEMCKFVTYVGEEMVLPGTPANFFLNECPNGLACGYAHSTEEI
NYHPDSYKRVKVCASPYLRSGGCR LGDVCNVHPIDSNRPLKKSFPESRSPDKRGKKNYEQ
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>comp13513_c0_seq3; 324 1 1690 LEN=2052; translated
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DSVLLQELPKPWNLDVDRDVTIHA I LNETDEKMKIRSPLSSPRHSPKFGSINA EKTSEK
YGM DGEKEEASKRAVLLCFNENVRS AEDVFRCHHDFIRDTANASSLQLTAQEW A QFFGHE
GSQDPHLLGNIGASMQAGASLGRPPLQPDVLRMSDELGKFRTTWCTKRYEHDHDL CGF
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EEIN YHPDSYKRVKVCASPYLRSGGCR LGDVCNVHPIDSNRPLKKSFPESRSPDKRGKKN
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>comp13513_c0_seq4; 351 259 1059 LEN=1227; translated
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>comp13515_c0_seq1; 230 250 897 LEN=1164; translated
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>comp13515_c0_seq2; 230 250 897 LEN=1088; translated
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>comp13515_c0_seq3; 230 250 897 LEN=1317; translated

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>comp13515_c0_seq4; 134 250 977 LEN=1384; translated
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>comp13515_c0_seq5; 230 250 897 LEN=1144; translated
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>comp13516_c0_seq1; 660 141 2294 LEN=2515; translated
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KSTPNALCSCSLESLEISNNIENDNIDTLSNSLQLRSWTQLMENKGDQGN YDETATDIAL
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>comp13517_c0_seq1; 776 396 3095 LEN=3422; translated
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>comp13518_c0_seq1; 380 184 1530 LEN=1778; translated
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TTGDYKRPTYGFDNVI SEDDSA EFPVEAGRYHLYVGNPCPWCHR VRLVVYLLGLESTLDG
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ERNEWIYELVNNGVYRCGFATTQ GAYDSASRDV LKGMGMLEEILSEQTFVSDDELFTESD
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>comp13518_c0_seq2; 380 153 1499 LEN=1747; translated
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VDWKTRRIVSNE SKDIVRMLPLLLRAESAETGPSSETTTAQT VVALDPASIPADLQAVVD
ERNEWIYELVNNGVYRCGFATTQ GAYDSASRDV LKGMGMLEEILSEQTFVSDDELFTESD

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>comp13519_c0_seq1; 1387 155 4450 LEN=4688; translated
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AFAPFLKAI VRLVVDALQLQSHSRAVTRSAALLAREVYAKVLSSEGWDLSNALAAGGVDR
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>comp13520_c0_seq1; 269 45 413 LEN=504; translated
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GK
>comp13521_c0_seq1; 227 60 344 LEN=440; translated
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>comp13521_c0_seq2; 574 156 1610 LEN=1706; translated
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YMILQAYDFLELFRRYNAVLQLGGS DQWGNMVS GTELGRCDGAQLFALTAPLITKSDGT
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VELK
>comp13522_c0_seq1; 117 1 334 LEN=489; translated
XAALLEEGPPALHHRLSFLVNWGSCCSGVDSTYEIRVGRSRNPMGPYVDKKGQPMMEGGG
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>comp13522_c0_seq2; 519 119 1219 LEN=1374; translated
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>comp13523_c0_seq1; 1040 1 4253 LEN=4315; translated
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WYFMLITAFFGQYLATMLIQWYHAGVTHITQSLWSTVNTVATLIPSHIAPQWLNWIIIR
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VPIVAPIATIYFIVVQPMRLWLLIFVYRPRYDTGGEMWPLCHQIVISSLIMAQVRIIGSS
FFAADFVLFLLIDCFVFWVQILTSVTLALKGSLGGAVLVGCCTFPTFMFGLWTEERFLR
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>comp13523_c0_seq3; 1035 1 4169 LEN=4231; translated
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WYFMLITAFFGQYLATMLIQWYHAGVTHITQSLWSTVNTVATLIPSHIAPQWLNWIIIR
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ALKGSLGGAVLVGCCTFPTFMFGLWTEERFLRKYKDTALLQTSRLDGGQESYNESQREEF
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>comp13523_c0_seq4; 929 1 3521 LEN=4332; translated
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>comp13523_c0_seq5; 929 1 3521 LEN=4416; translated
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PLAFISLLLLNPRWLVKFFPNSRSLNDPNDVLYRALAGPASGLCTTFLMALLPQIFKLV
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QSNKEESEKSIPIREILVAGGDDLQERKKFLVTNTDALIVLPGGPGTWDELWEMACAR
HLELNALPIVCVNVDGYYEPPFREMLDRAFEDKLIRLEPEAIVRFADSAAEEAVRFV
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RRG

>comp13523_c1_seq2; 418 173 1412 LEN=2031; translated
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>comp13524_c0_seq1; 542 226 1497 LEN=1583; translated
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>comp13525_c0_seq1; 1317 162 3301 LEN=3475; translated
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KEGSPSDDSDNDSPLVDADTIPEPTASDGDSDAAEKPIPTPSYNEEKTV AQVTFVSP
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PGGKISEVEFLSAAEQSGSASVQLQIAAREAVARQLYEATGLDVREEVERFKPAVLNSDP
PINNARGFYLRNEKDNKLYYFLQVDDADFEKLKEAQVEIRATEHQVSRPSEDSGEGSEA
TITKQTMKRSEDSGEGSEAIITKQTTKRPSSEDAGDEPLELRLSDGYVGFVQDPVIAS
KVLKKEKSDESTALSMIMNSAAQEIRQTNLETSSSEDKQGPDAKATVHERKSILDDDDSNE
QISNSGNIRTIELKKAETDAIETNDTTKDDAAAQKEI IETSVVAGKSAEKKAESTFYSD
AKLKMKTSNDTAEEMAGVSCCSLWW

>comp13526_c0_seq1; 290 120 980 LEN=1302; translated
MPLFTDRRSSASISYSVPLNDTSSEEEPESTVQEVPCGTVQEVNTRSKRRNLGGLGR
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SVAIIVEISEASKWGNRNYFEEPIILLMVLACSGVGMGLGALHFGPSAVLFFSSIGLCGLS
YLYFAEMKLLGLVLACSIIAAQLVLFLEMMCGIMTPDITYAMEEYIDDDGRKILETVHGLS
VDIGETAVEFAEEVAIAMDQKQPDSSSSSTSSASSSSSMRRDGNNEC

>comp13527_c0_seq1; 331 609 1427 LEN=1641; minus strand; translated
MVTATTFSRVLLAAPLLAGSHAFHTVGTSSLASRPQNELQTLATTRSPSSPRTPKIVL
HSSDGENEAASETKNDDENDTDKTAATAVATNTINERLMAELKAAEQTEKYGSKGKTMS
LVDGYGRPRKTDAEIQQAIAEARDLNGVNPVIAIVGSFFAFGVAAALWVATNKLGGYFAL
HPPETEYVYFVLRSAQVFRNVVMGMISLASGFFGVTGLGIFGMGVRVAYGVMTGELDPTPI
KTKTPTKETVDLGNMMDLMMNKKPGRGGGKK

>comp13528_c0_seq1; 922 89 2116 LEN=2131; translated
MTNPLAGLERTVKGEMFQKIQTANILCVGAGGIGCELLKDMALSGFRRVQVVDLDTIDVS
NLNRQLLFRGQHVGMKCTVACEVATDMVPLNIPSGDEKTDGNSPTDNAIELPPVSYQA
HHGNVCDTSKFNVPFIKEFDLVNALDNVEARRRVNRLCLAADVPLIEAGTTGYLGQVTV
IHKSSGVACYECTTQETQKVYPICTIRSTPMPVHTIVWSKELYKLLFHSKVDESMLYED
PQGEESTYMDAVSVLRKFLKSDVIEDNGESLNTAIHRLLEDLYSVEIKKQLDMGRYKAA
KKTPTCLKGSILESGMASSTAPPTSTTNIWSPEESVAALAACLA EAVKTPNDILLEEFDK
DDHLAMRFVTAASNLRSSVFGIEPLQSLYSAKGIAGNIIPAIATTNAICAGLQILQAFAI
LKRQIEKGVSDPEGAESKGLDLKSCYVNCNLRNRTRNGLYLTASPLEKPNPNCVFCKN
AIIPLALNVEEWTLEDFLKRVKGRGLGFEEPTLILEGDFIWEEDGADEDEFKMNLPKLL
SGLPCGGIKHGTVLEIDDNSQNLSIQVAVTHKDVWEGDEVDPDFPFTVGALPPATHQHKP
GVAANSSSTSATDERSKTAVDDDDDDVLLIIDEDDEQEKGKRSIGDVAGDEEKPGKRAKT
NSSGDVDVDIIEIED

>comp13528_c0_seq2; 525 89 1314 LEN=1314; translated
MTNPLAGLERTVKGEMFQKIQTANILCVGAGGIGCELLKDMALSGFRRVQVVDLDTIDVS
NLNRQLLFRGQHVGMKCTVACEVATDMVPLNIPSGDEKTDGNSPTDNAIELPPVSYQA
HHGNVCDTSKFNVPFIKEFDLVNALDNVEARRRVNRLCLAADVPLIEAGTTGYLGQVTV
IHKSSGVACYECTTQETQKVYPICTIRSTPMPVHTIVWSKELYKLLFHSKVDESMLYED
PQGEESTYMDAVSVLRKFLKSDVIEDNGESLNTAIHRLLEDLYSVEIKKQLDMGRYKAA
KKTPTCLKGSILESGMASSTAPPTSTTNIWSPEESVAALAACLA EAVKTPNDILLEEFDK
DDHLAMRFVTAASNLRSSVFGIEPLQSLYSAKGIAGNIIPAIATTNAIX

>comp13529_c0_seq1; 313 337 1578 LEN=1649; translated
MAPE SRKGPGRKRNRPRFCCHGTTFLAVALLLLL ASPHPLGPRHSGTPRFANAFSVAVHG
RWQRLRAVQGHFEGEPPRHAF TAQRTRLRPLGASIPFFLETESRGPKKAEGGVAAPPFLI
ESISTKKPSGD AIYKAI SDLCIDVFFKELLDPSGQGRVNFLKEWQINYLKNLQAADLERR
RDYEDTNE MFLAYEVKRTTGVT DVLSQPLLMEDELEGAYNMDGLRSLPAQEQTGTSRNP
AGGRDDSECYVRGDL LGFVEITQRPYGLGQATESSSESSSDVASVLEGF SFNERPMPRI L
TNLAVLKAARKY GIGSKLLEACEEHVRKGNMNEIVLEVEDYNTKGLEFYRQRYEVLFS
DPASRRYDIEGFWLNKVR CRREIMRKVFSKFDKRPASLVESADSLIRRIVASF

>comp13529_c0_seq2; 313 354 1595 LEN=1666; translated
MAPE SRKGPGRKRNRPRFCCHGTTFLAVALLLLL ASPHPLGPRHSGTPRFANAFSVAVHG
RWQRLRAVQGHFEGEPPRHAF TAQRTRLRPLGASIPFFLETESRGPKKAEGGVAAPPFLI
ESISTKKPSGD AIYKAI SDLCIDVFFKELLDPSGQGRVNFLKEWQINYLKNLQAADLERR
RDYEDTNE MFLAYEVKRTTGVT DVLSQPLLMEDELEGAYNMDGLRSLPAQEQTGTSRNP
AGGRDDSECYVRGDL LGFVEITQRPYGLGQATESSSESSSDVASVLEGF SFNERPMPRI L
TNLAVLKAARKY GIGSKLLEACEEHVRKGNMNEIVLEVEDYNTKGLEFYRQRYEVLFS
DPASRRYDIEGFWLNKVR CRREIMRKVFSKFDKRPASLVESADSLIRRIVASF

>comp13529_c0_seq3; 282 337 1785 LEN=1856; translated

MAPESRKGPGRKRNPRFCCHGTTFLAVALLLLLASPHPLGPRHSGPTPRFANAFSVAVHG
RWQRLRAVQGHFEGEGPPRHAFTAQRTRLRPLGASIPFFLETESRGPKKAEGGVAAPPFLI
ESISTKKPSGDAIYKAISDLCIDVFFKVRVCGVQSGCAGVCCVDMRLQTNDVSEHGLESS
ISSQLYSIRFDSRVPVAVLHCRLLTFFVVFQTDXNIRQELLDPSGQGRVNFLEKQWQINYLKN
LQAADLERRRDYEDTNEMFLAYEVKRTTGVTDVLSQPLLEMEDELEGAYNMDGLRSLPAQ
EQTGTSRNPAGGRDDSECYVRGDLLGFVEITQRPYGLGQATESSESSESDDVASVLEGF
SFNERPMPRILTNLAVLKAARKYKIGSKLLEACEEHVRKGNMNEIVLEVEDYNTKGLEFYR
QRGYEVLFSDPASRRYDIEGFWLNKVRCCRREIMRKVFSKFDKRPASLVESADSLIRRIVAS
SF

>comp13529_c0_seq4; 250 337 1908 LEN=1979; translated
MAPESRKGPGRKRNPRFCCHGTTFLAVALLLLLASPHPLGPRHSGPTPRFANAFSVAVHG
RWQRLRAVQGHFEGEGPPRHAFTAQRTRLRPLGASIPFFLETESRGPKKAEGGVAAPPFLI
ESISTKKPSGDAIYKAISDLCIDVFFKVRVCGVQSGCAGVCCVDMRLQTNDVSEHGLESS
ISSQLYSIRFDSRVPVAVLHCRLLTFFVVFQTDVDRNSWIRADRAGLSKXVIEGGTKFGC
ALGLPMPCSAAAKPAVAHYFLSFLFRHHSFLKEWQINYLKNLQAADLERRRDYEDTNEM
FLAYEVKRTTGVTDVLSQPLLEMEDELEGAYNMDGLRSLPAQEQTGTSRNPAGGRDDSECY
VRGDLLGFVEITQRPYGLGQATESSESSESDDVASVLEGF
SFNERPMPRILTNLAVLKAARKYKIGSKLLEACEEHVRKGNMNEIVLEVEDYNTKGLEFYR
QRGYEVLFSDPASRRYDIEGFWLNKVRCCRREIMRKVFSKFDKRPASLVESADSLIRRIVAS
F

>comp13529_c0_seq5; 227 354 1718 LEN=1789; translated
MAPESRKGPGRKRNPRFCCHGTTFLAVALLLLLASPHPLGPRHSGPTPRFANAFSVAVHG
RWQRLRAVQGHFEGEGPPRHAFTAQRTRLRPLGASIPFFLETESRGPKKAEGGVAAPPFLI
ESISTKKPSGDAIYKAISDLCIDVFFKELLDPSGQGRVKKLXIEGGTKFGCALGLPMPCS
AAAKPAVAHYFLSFLFRHHSFLKEWQINYLKNLQAADLERRRDYEDTNEMFLAYEVKRT
TGVTDVLSQPLLEMEDELEGAYNMDGLRSLPAQEQTGTSRNPAGGRDDSECYVRGDLLGFV
EITQRPYGLGQATESSESSESDDVASVLEGF
SFNERPMPRILTNLAVLKAARKYKIGSKLLEACEEHVRKGNMNEIVLEVEDYNTKGLEFYR
QRGYEVLFSDPASRRYDIEGFWLNKVRCCRREIMRKVFSKFDKRPASLVESADSLIRRIVAS
F

>comp13529_c0_seq6; 227 337 1701 LEN=1772; translated
MAPESRKGPGRKRNPRFCCHGTTFLAVALLLLLASPHPLGPRHSGPTPRFANAFSVAVHG
RWQRLRAVQGHFEGEGPPRHAFTAQRTRLRPLGASIPFFLETESRGPKKAEGGVAAPPFLI
ESISTKKPSGDAIYKAISDLCIDVFFKELLDPSGQGRVKKLXIEGGTKFGCALGLPMPCS
AAAKPAVAHYFLSFLFRHHSFLKEWQINYLKNLQAADLERRRDYEDTNEMFLAYEVKRT
TGVTDVLSQPLLEMEDELEGAYNMDGLRSLPAQEQTGTSRNPAGGRDDSECYVRGDLLGFV
EITQRPYGLGQATESSESSESDDVASVLEGF
SFNERPMPRILTNLAVLKAARKYKIGSKLLEACEEHVRKGNMNEIVLEVEDYNTKGLEFYR
QRGYEVLFSDPASRRYDIEGFWLNKVRCCRREIMRKVFSKFDKRPASLVESADSLIRRIVAS
F

>comp13529_c0_seq7; 282 354 1802 LEN=1873; translated
MAPESRKGPGRKRNPRFCCHGTTFLAVALLLLLASPHPLGPRHSGPTPRFANAFSVAVHG
RWQRLRAVQGHFEGEGPPRHAFTAQRTRLRPLGASIPFFLETESRGPKKAEGGVAAPPFLI
ESISTKKPSGDAIYKAISDLCIDVFFKVRVCGVQSGCAGVCCVDMRLQTNDVSEHGLESS
ISSQLYSIRFDSRVPVAVLHCRLLTFFVVFQTDXNIRQELLDPSGQGRVNFLEKQWQINYLKN
LQAADLERRRDYEDTNEMFLAYEVKRTTGVTDVLSQPLLEMEDELEGAYNMDGLRSLPAQ
EQTGTSRNPAGGRDDSECYVRGDLLGFVEITQRPYGLGQATESSESSESDDVASVLEGF
SFNERPMPRILTNLAVLKAARKYKIGSKLLEACEEHVRKGNMNEIVLEVEDYNTKGLEFYR
QRGYEVLFSDPASRRYDIEGFWLNKVRCCRREIMRKVFSKFDKRPASLVESADSLIRRIVAS
SF

>comp13529_c0_seq8; 250 354 1925 LEN=1996; translated
MAPESRKGPGRKRNPRFCCHGTTFLAVALLLLLASPHPLGPRHSGPTPRFANAFSVAVHG
RWQRLRAVQGHFEGEGPPRHAFTAQRTRLRPLGASIPFFLETESRGPKKAEGGVAAPPFLI
ESISTKKPSGDAIYKAISDLCIDVFFKVRVCGVQSGCAGVCCVDMRLQTNDVSEHGLESS
ISSQLYSIRFDSRVPVAVLHCRLLTFFVVFQTDVDRNSWIRADRAGLSKXVIEGGTKFGC
ALGLPMPCSAAAKPAVAHYFLSFLFRHHSFLKEWQINYLKNLQAADLERRRDYEDTNEM
FLAYEVKRTTGVTDVLSQPLLEMEDELEGAYNMDGLRSLPAQEQTGTSRNPAGGRDDSECY
VRGDLLGFVEITQRPYGLGQATESSESSESDDVASVLEGF
SFNERPMPRILTNLAVLKAARKYKIGSKLLEACEEHVRKGNMNEIVLEVEDYNTKGLEFYR
QRGYEVLFSDPASRRYDIEGFWLNKVRCCRREIMRKVFSKFDKRPASLVESADSLIRRIVAS
F

>comp13530_c0_seq1; 1459 1 3448 LEN=3448; translated
XNKILNEEQPKDKVENSNSALIMASEEQEETEGPVMASPDFAFVYKQELSPDDKKSIV
HVVVDSTLVIPETAFAKCEFLLTSSIVIPEGIKRIGDKAFSGCESLSSIDIPVGLSIGVH

AFFGCQSLTSINIPKSVTTICDFAFCKCSSLKSIAIPEGVETIPEGAFFRCEELSSIHIP
KGVKSIGRGAFAGCYWLSSIGIPKGVTSIGKRAFKGCELSLTSIYIPSGVKEIGSGAFSGC
LQLLVVAIPKGTKDIDSSTFEGCKLRRFSISHETPDEIEGDNATVRTEGDASTVRNIAD
RLHLRFKDLPLHLACYRANGQNI EAL TASPKE DARTDMYNLTPLHILAGNPNASERMI
RNVVEKCPDAVTRIDNALGMSPLHFASINPGNNVVKIISNMENKAPETGKLSCTLRSKD
LKTPTILSILHNYENEEAQRLLYKCQPCSESQFAERSHKNRVNSLEQWYVNECIPSLTSE
NLQVSPQTQNGWVYFVSNVSNPDSINSICKFFEHCPEQLLKDLRSKADDEGKEAIDVAVH
GIKAAFNKRLYFLGRYEIIGGPAIHKSEVCIVIGAIMDCDGMSLNSDEDRKVAIKFVKD
EKQFLTEISFREDLQKNSGKVEKGEQAVISINESYNATENEFFKSAMQSLPIPGSNEDEK
MFDHFKYAIIVMPFADRNLDTIARSEQLDPM TIRSDLHQI AKKLQILHQCNTIHCNLKMQN
IVRRGENLFLTDFDGS AKVKHGNAETELAKFFVGGKFFSSGILPPEMVYNFKNSEELNQFE
AYYKHLDAKSLKWKGIKHQT PRATNDYYCLKTFDTEMKEGNPDIDTGKVD AVE SVKEGLP
YDPVVATEAIDLWSLGTILYFLCTKRSLFRVDTNDNLADGDAMEQLYYWNDETMMKRVNS
KDIIDPGAKKILLKLLSREPGRGTLEELLNEPFFGKLSAEVMEEIQNAKENAVEDTKV
IINATNAADEAQTFCPTTFVVLKEKLPYDSDQMIANRCKEMCELVGAVGDMTEAADAI
PKQEPDALFETMKGKLDVVTDDSKTMYFYLVDDEL TGKPV TGGKYP I EITNPAEVVPTLL
PYIKVGMTSM AVYDGTAGVLGLFGLSAPQVSTKTQSKLGKSIDILKQKSSNATEGDDDAS
SGARGESLRG

>comp13530_c0_seq2; 1592 1 3862 LEN=3862; translated
XNKILNEEQPKDKVENS CNSALIMASEEQEETEGPVMASPD AFVYKQELSPDDKKSIV
HVVDSTLVVIPETA FKECFLLTSIVIPEGIKRIGDKAFSGCESLSSIDIPVGLSIGVH
AFFGCQSLTSINIPKSVTTICDFAFCKCSSLKSIAIPEGVETIPEGAFFRCEELSSIHIP
KGVKSIGRGAFAGCYWLSSIGIPKGVTSIGKRAFKGCELSLTSIYIPSGVKEIGSGAFSGC
LQLLVVAIPKGTKDIDSSTFEGCKLRRFSISHETPDEIEGDNATVRTEGDASTVRNIAD
RLHLRFKDLPLHLACYRANGQNI EAL TASPKE DARTDMYNLTPLHILAGNPNASERMI
RNVVEKCPDAVTRIDNALGMSPLHFASINPGNNVVKIISNMENKAPETGKLSCTLRSKD
LKTPTILSILHNYENEEAQRLLYKCQPCSESQFAERSHKNRVNSLEQWYVNECIPSLTSE
NLQVSPQTQNGWVYFVSNVSNPDSINSICKFFEHCPEQLLKDLRSKADDEGKEAIDVAVH
GIKAAFNKRLYFLGRYEIIGGPAIHKSEVCIVIGAIMDCDGMSLNSDEDRKVAIKFVKD
EKQFLTEISFREDLQKNSGKVEKGEQAVISINESYNATENEFFKSAMQSLPIPGSNEDEK
MFDHFKYAIIVMPFADRNLDTIARSEQLDPM TIRSDLHQI AKKLQILHQCNTIHCNLKMQN
IVRRGENLFLTDFDGS AKVKHGNAETELAKFFVGGKFFSSGILPPEMVYNFKNSEELNQFE
AYYKHLDAKSLKWKGIKHQT PRATNDYYCLKTFDTEMKEGNPDIDTGKVD AVE SVKEGLP
YDPVVATEAIDLWSLGTILYFLCTKRSLFRVDTNDNLADGDAMEQLYYWNDETMMKRVNS
KDIIDPGAKKILLKLLSREPGRGTLEELLNEPFFGKLSAEVMEEIQNAKENAVEDTKV
IINATNAADEAQTFCPTTFVVLKEKLPYDSDQMIANRCKEMCELVGAVGDMTEAADAI
PKQEPDALFETMKGKLDVVTDDSKTMYFYLVDDEL TGKPV TGGKYP I EITNPAEVVPTLL
PYIKVGMTSM AVYDGTAGVLGLFGLSAPQVSTKTQSKLGKSIDILKQKSSNATEGDDDAS
SGARGESLRG
LEMEERENEIQEMRTREKKLEEMRTMX

>comp13530_c0_seq3; 225 1 379 LEN=793; translated
XKKLEDEKIEYEMEMIKRESKIQELTMKEKKLEDKKELEFELQKQEQNLKDEKKEHELE
MRKRDLEVQEMKVHEMKLENEKKDLELEMLKQEKKYEDEKKALQDQIRQLSEQDSSRWCA
PRSKTS

>comp13531_c0_seq1; 382 210 1235 LEN=1264; translated
MGNVVSAGMGQAPTRQAVLYAGLPETTICTTINKVCASGMKSVMMASQALKCGQRGAILA
GGFESMSNI PHYLKASRSGTKLGNTLVDGVVYDGLWDIYNDQHMGMCGEKCAKDYAFSR
EDQDEYAIESYRRAQAALVEGVFEEVIPVEIPQRRGNQLVNEDEEPPGSMKLDRIASLKP
AFDRNTGTITAAANASSLNDGACAMVLMTEQDALDKGINPIAKIRGFGDAAQAPVEFTTTP
SLAVPVALQNAGVEASDVYHEINEAFSVVALANMQLLNLDQSKVNVFVGAVSLGHPIGM
SGARIIGTLYNVLKHKDG NIGCASICNGGGGASAI VIERLQ

>comp13531_c0_seq2; 375 436 1329 LEN=1358; translated
MASQALKCGQRGAILAGGFESMSNI PHYLKASRSGTKLGNTLVDGVVYDGLWDIYNDQH
MGMCGEKCAKDYAFSREDQDEYAIESYRRAQAALVEGVFEEVIPVEIPQRRGNQLVNVNED
EEPMSMKLDRIASLKP AFDRNTGTITAAANASSLNDGACAMVLMTEQDALDKGINPIAKIR
GFGDAAQAPVEFTTTPSLAVPVALQNAGVEASDVYHEINEAFSVVALANMQLLNLDQSK
VNVFVGAVSLGHPIGMSGARIIGTLYNVLKHKDG NIGCASICNGGGGASAI VIERLQ

>comp13531_c0_seq3; 375 779 1672 LEN=1701; translated
MASQALKCGQRGAILAGGFESMSNI PHYLKASRSGTKLGNTLVDGVVYDGLWDIYNDQH

MGMCGEKCAKDYAFSREDQDEYAIESYRRAQAALVEGVFEEVIPVEIPQRRGNQLVVNED
EEP GSMKLDRIASLKP AFDRTNGTITAAANASSLNDGACAMVLMTEQDALDKGINPIAKIR
GFGDAAQAPVEFTTTPSLAVPVALQNAGVEASDVYHEINEAFSVVALANMQLLNLDQSK
VNVF GGAVSLGHP IGM SGARIIGTLYNVLKHKDGNIGCASICNGGGGASAIIVIERLQ
>comp13531_c0_seq4; 375 664 1557 LEN=1586; translated
MASQALKCGQRGAILAGGFESMSNI PHYLKASRS GTKLGNT ELVDGVVYDGLWDIYNDQH
MGMCGEKCAKDYAFSREDQDEYAIESYRRAQAALVEGVFEEVIPVEIPQRRGNQLVVNED
EEP GSMKLDRIASLKP AFDRTNGTITAAANASSLNDGACAMVLMTEQDALDKGINPIAKIR
GFGDAAQAPVEFTTTPSLAVPVALQNAGVEASDVYHEINEAFSVVALANMQLLNLDQSK
VNVF GGAVSLGHP IGM SGARIIGTLYNVLKHKDGNIGCASICNGGGGASAIIVIERLQ
>comp13531_c0_seq5; 375 551 1444 LEN=1473; translated
MASQALKCGQRGAILAGGFESMSNI PHYLKASRS GTKLGNT ELVDGVVYDGLWDIYNDQH
MGMCGEKCAKDYAFSREDQDEYAIESYRRAQAALVEGVFEEVIPVEIPQRRGNQLVVNED
EEP GSMKLDRIASLKP AFDRTNGTITAAANASSLNDGACAMVLMTEQDALDKGINPIAKIR
GFGDAAQAPVEFTTTPSLAVPVALQNAGVEASDVYHEINEAFSVVALANMQLLNLDQSK
VNVF GGAVSLGHP IGM SGARIIGTLYNVLKHKDGNIGCASICNGGGGASAIIVIERLQ
>comp13531_c0_seq6; 435 282 1463 LEN=1492; translated
MSNSVVIAS IARTPIGRFCGSFAGLRGSELASSAIRGALAKVPDDL LVSECI MGNVVSAG
MGQAPTRQAVLYAGLPETTICTTINKVCASGMKSVMMASQALKCGQRGAILAGGFESMSN
I PHYLKASRS GTKLGNT ELVDGVVYDGLWDIYNDQH MGMCGEKCAKDYAFSREDQDEYAI
ESYRRAQAALVEGVFEEVIPVEIPQRRGNQLVVNEDEEP GSMKLDRIASLKP AFDRTNGT
ITAAANASSLNDGACAMVLMTEQDALDKGINPIAKIRGFGDAAQAPVEFTTTPSLAVPVAL
QNAGVEASDVYHEINEAFSVVALANMQLLNLDQSKVNVF GGAVSLGHP IGM SGARIIGT
LYNVLKHKDGNIGCASICNGGGGASAIIVIERLQ
>comp13531_c0_seq7; 382 325 1350 LEN=1379; translated
MGNVVSAGMGQAPTRQAVLYAGLPETTICTTINKVCASGMKSVMMASQALKCGQRGAILA
GGFESMSNI PHYLKASRS GTKLGNT ELVDGVVYDGLWDIYNDQH MGMCGEKCAKDYAFSR
EDQDEYAIESYRRAQAALVEGVFEEVIPVEIPQRRGNQLVVNEDEEP GSMKLDRIASLKP
AFDRTNGTITAAANASSLNDGACAMVLMTEQDALDKGINPIAKIRGFGDAAQAPVEFTTTP
SLAVPVALQNAGVEASDVYHEINEAFSVVALANMQLLNLDQSKVNVF GGAVSLGHP IGM
SGARIIGTLYNVLKHKDGNIGCASICNGGGGASAIIVIERLQ
>comp13531_c0_seq8; 382 553 1578 LEN=1607; translated
MGNVVSAGMGQAPTRQAVLYAGLPETTICTTINKVCASGMKSVMMASQALKCGQRGAILA
GGFESMSNI PHYLKASRS GTKLGNT ELVDGVVYDGLWDIYNDQH MGMCGEKCAKDYAFSR
EDQDEYAIESYRRAQAALVEGVFEEVIPVEIPQRRGNQLVVNEDEEP GSMKLDRIASLKP
AFDRTNGTITAAANASSLNDGACAMVLMTEQDALDKGINPIAKIRGFGDAAQAPVEFTTTP
SLAVPVALQNAGVEASDVYHEINEAFSVVALANMQLLNLDQSKVNVF GGAVSLGHP IGM
SGARIIGTLYNVLKHKDGNIGCASICNGGGGASAIIVIERLQ
>comp13532_c0_seq2; 649 410 2200 LEN=2459; translated
MTVPQHEFEQEQQPEVP RPQPLNVKEQLEATASRFWSSVTKTGRSQESDES MRVPGVPIG
LFSQRSCGT YDDEEDDILSRPSTAQHSLQFVNVAMFSSCTTGGPFTDDDGSSDEALKKT
TRSQSGTLPTAGTTVTPDSSFDPERVVSQPQRKERRPLPRPVATARSALQETSKNLFKNN
HEIAEEAIKHLRRQQQRELSKQNNSTVFAS TVAVDLERDDSSPPKNHPSAITPEPKPAL
PQQPDPQSKSFLPRSVLSKQK GAVASPPGKVTPTRSRKGHSFFPASRPRDPPGRTRREQ
RAREKKERIKGVPKEVEKASSP PRLFRKRTKQKRVLDGVPGTKGTAWDGTES EDSRSSVS
WDINNDGISEITQTTVDRMVFAISQQLLVFPEEADNLNR IHSDLTDPAPNRQHTFESDYE
TSVEGSVAQDYFPMVGGVLDGFKDDFGRMVTPPRVRDASEKGMSPSLLEFTCTAGSVGTR
SFFT KTTHSSQTTFASAWRRDEQQFWDKEVAKEQ GKREPPTKVSKPGRTGSGSSRKSWT
KFKGRRSGATTATTSITTATTPSRHARKLQQLPHQGHDR LMDDLVLRELEHAEI
>comp13533_c0_seq1; 1054 1 2884 LEN=2932; translated
XIRRRRQHGLHSCR SFKFVAF LLLLALQSSCYCVSVFQQVAASETADEGASAENEDLADR
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EDDGKQQQKQQCAATGGKTKTKRDKHWGDNPKTIAMRDHLREQSKHWINDSRPPIFLVP
GLASTRLVAWKFKKAGALSSDIKVQDNVWLNINLVRMGT TIDIDCLKQCLSLGLNQTD
TDDWDSGCKLRADEGLDSIASLAPGGIGADLLVGGTNTVYAWLIQWLADNLGYDVTNMIG
FPYDWRLTPSVM EKRDGFLSMMRKRIEGAVAASKKPGILVAHSMGNLIFRYFIEWLRIEL
REEAFDGYVKRAKKAQSMKKQQHQQNYKKHQEQLEQKKVKQKIASKQEQKIAENDSWM
PGWVTSTLEDVSAEVD EWYDWLTNDASDGPESGTNKQTNEPEEEEEEEIDYRQTQLWELA
KLEGEDEKWI EWLQTHVWTVYVGLSAPMLGGINPLRAVISGENMGLPLNDDIAREMELTFGS
THTLNPVSTDTGFCDERNVDDWAEDPRGNSDEHESTLACLDDIATDIEYSSGDRDPWKDF

PALKALMRDRIDWTTGKPMIDIEISHC NNTNANSCEATGEFIKIGPKNVEDGSI FQIFDD
LWKEEGKPLIVKKEQLEDSFVNSKVRNINL NHTWDRPLIKHVIMGYGV DIPTVEVGYIYSKK
YNVKHS DGVT SVSDRNETG PLPSLKTALWENPRGVM TTELIDSPRGGIG EYFIKKKPKRE
PLEVTVPEARLEHCGDGSVPYLSLSWAQTWLLHAARARRFTEDKYQMSGETKNALDHIAI
SHRPQGESEWIEGPPPESLTILGGDEQKADS DTGISHPHGTRYKPLMKRYHNI GVS RKTG
IEYTTSVIEAIGIEHKETTRNF DILAAVFTEVL DYM HDDLGLI PDNNSGAVDADSGVNET
E

>comp13533_c0_seq2; 1008 1 2761 LEN=3029; translated
XIRRRRQHGLHSCRSFKFVAF LLLLALQSSCYCVSVFQQVAASETADEGASAENEDLADR
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EDDGKQQKQQCAATGGKTKTKRDKHWGDNPKTIAMRDHLREQSKHWINDSRPPIFLVP
GLASTRLVAWKFKKAGALS SDIKVQDNVWLNINLVLRMGTTIDIDCLKQCLSLGLNQTD
TDDWDSGCKLRADEGLDSIASLAPGGIGADLLVGGTNTVYAWLIQWLADNLGYDVTNMIG
FPYDWRLTPSVM EKRDGFLSMMRKRIEGAVAASKKPGILVAHSMGNLIFRYFIEWLRIEL
REEAFDGYVKRAKRAQSMKKQQHQHQQNYKKHQEQLEQKVKQKIASKQE QKIAENDSWM
PGWVTSTLEDVSAEVD EWYDWLTNDASDGPESGTNKQTNEPEEEEEEEIDYRQTQLWELA
KLEGDEKWI EWLQTHVWTVVGLSAPMLGGINPLRAVISGENMGLPLNDDIAREMELTFGS
THTLNPVSTDTGFCDERNVDDWAEDPRGNSDEHESTLACLDDIATDIEYSSGDRDPWKDF
PALKALMRDRIDWTTGKPMIDIEISHC NNTNANSCEATGEFIKIGPKNVEDGSI FQIFDD
LWKEEGKPLIVKKEQLEDSFVNSKVRNINL NHTWDRPLIKHVIMGYGV DIPTVEVGYIYSKK
YNVKHS DGVT SVSDRNETG PLPSLKTALWENPRGVM TTELIDSPRGGIG EYFIKKKPKRE
PLEVTVPEARLEHCGDGSVPYLSLSWAQTWLLHAARARRFTEDKYQMSGETKNALDHIAI
SHRPQGESEWIEGPPPESLTILGGDEQKADS DTGISHPHGTRYKPLMKRYHNI GVS RKTG
IEYTTSVIEAIGIEHKETTR

>comp13533_c0_seq3; 650 1 1830 LEN=1830; translated
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EDDGKQQKQQCAATGGKTKTKRDKHWGDNPKTIAMRDHLREQSKHWINDSRPPIFLVP
GLASTRLVAWKFKKAGALS SDIKVQDNVWLNINLVLRMGTTIDIDCLKQCLSLGLNQTD
TDDWDSGCKLRADEGLDSIASLAPGGIGADLLVGGTNTVYAWLIQWLADNLGYDVTNMIG
FPYDWRLTPSVM EKRDGFLSMMRKRIEGAVAASKKPGILVAHSMGNLIFRYFIEWLRIEL
REEAFDGYVKRAKRAQSMKKQQHQHQQNYKKHQEQLEQKVKQKIASKQE QKIAENDSWM
PGWVTSTLEDVSAEVD EWYDWLTNDASDGPESGTNKQTNEPEEEEEEEIDYRQTQLWELA
KLEGDEKWI EWLQTHVWTVVGLSAPMLGGINPLRAVISGENMGLPLNDDIAREMELTFGS
THTLNPVSTDTGFCDERNVDDWAEDPRGNSDEHESTLACLVSVTNNTISGFSRESKDG
AKSFFHAF LPA

>comp13534_c0_seq1; 109 99 588 LEN=1412; translated
MQSSTVPKQPLHQRPQPTQSKQRQPAQTAKQEPRHRKVWRRVGS AVVNCLDTAESASAAA
AKASLAPSQAANQDAFAKKCRLDRTVAYFMEARREFHRMLSLTEAKLQKKEEMQSLETY
VGRNPG LAAANGSGDTVLEPRAKLVSGSGVLSVSDAFELETG

>comp13535_c0_seq2; 266 724 1611 LEN=2808; minus strand; translated
MKRPPSVEILCDESLKVK SALPMDSSSHKDNEKEYSQVQLRSARQYFFAILGGSCGIMYT
LKILSTIGPLVVQPPSEYETNIISLVSWICALGLLISAVLNGFGSVSLPYANLCGFFLQ
VRPDYITNLESELK SIESALS KRRMEKELKVEIPSLSPSKATNRTGSSSNAFSMSSILT
LKTTSNGFSELGDELRI RRQILQTEISFMEDLLRETKLDLEELKESQV TAAAARSSMGKN
KSYVGILFSVILLVRLLIAGFSIFRSYGTLLTKGYASDHHRHKKPHSDIVTII LLW

>comp13536_c0_seq1; 549 1 2134 LEN=2526; translated
XRKRKLSPLALPAMRSVDGEGEHVS SVKVFLPPFLPEEVPEPEIDALLGKPSEGSGVRNA
FGDELASNPNGSAGDTVESILSNVSPKIRKHLSGIYETTTTNP RRFLKNYYYVEWLQGRAA
RKREVAKIRRQRVYDELVALQTLKKRQAASKQTPKQGLSGDAAPPEM GFALVTGASRGIG
RAIAVEIARWEIPLVLVARDVDK LARLASDLEACYGVKCCVLEADLSKADAAERIKQATD
DAGISVDILINNAGVATEGLAVDADTSDIERMVLNLSLTYTKLSVLYGRDMKKRRGRML
MSSMAGLCNGAPNTAVYGACKAFGKSLALS MAREMESYGVGTCLMPGAVLDTDFR RSS
GTRRALVWYLPFYSRSPDMVAHQGVMSLLDGDTRSVPGWQNRVFANIVRPIIPQRVEIML
VQLAFSPLSLPSIKSLWQRNPNND SGAETDSPPPYSPGPSHGSSWLSLKPRHSTQPPP
RFLKLP EEEVPEIAREDKVANHEILEEEASSPSPVTANGTNFTTAATSPREVDEVEDVPI
AQSHRTPEIPDSMHFVNSNR TVDRDELHSIEQNSQPLERQEEDHHRNTETYN SNQKSQTG
ERKIPLKPEKRN SVPRERNASVPIYEKSQEHSTAKKPRHSRDQHDGMIREGAGVGK LQSS
QWPQWFDDEYDDDDDETFSTR LRPISMKGNEFLYSNQSGKVGQTPIITV

>comp13537_c0_seq1; 1317 1 3412 LEN=3502; translated

XKKVTVNIISRFVSTHRRLTPQIRIEYDETMPSNQELHDLAEDFKAKGNKAFQNSEADAA
VKAYSNGLVQVDRMTTVPILLKATLLSNRAACYLKQAKLQECQEDCTSSLALLDGLGANN
ADDKSRSLRSKLLYRRAKALFLKFNMPHKKEEEDLNIAAKDLLNLLSFDPSNKEATKLLN
TIRAQHAAEQKKNVSNTPMAKTLQEIKKKDGNNLRNIKVLMGLLTSDDVSSSMEFGRRG
GVDLLIGIVNAENEDKERVATNEDFHKIRKISLQICISAGSYPLFCRTFLNDSVDVQKML
SDLIMKACAVDCINDQIASSAFTIFIRLILHLDRDDPEKIDIDGKTHLLYDPLIQSMISAF
KSKDAAIVRAAVDVLSSWTAGKNREMAIRASLSDGMSDDLPTLTKYEMHQLKPREFSAY
KQRLHRINTRNEAWAFERSTLFCQNGGLQALLNFAVECEDANLRREITAVLGKVL ECLAD
EDKMKDVARPILGSVKTNKDSNEEGGEEPRLGPIIEEIDDDDEEVEIGKVEDVDEDKNEPI
VEVSLLEV LKQRAELATALLMANGEVGGWSMGSGWPGCSNDLNILVSSDINALRIVAELL
SGAASVKETRQMVAVYLDNDSMKALVTHEDRNVRTAAASAVTKLGLGEDQTEDFEVMGLL
EAACFMLEDWEETNAASKEREKSKSKTEALAS IPTSSGAKSSVERGVEAMAYLITKTIK
EEVAHGFKSSPKSKYSAIELLVKISEDSGSGETVSAFGIASIFQLMAVTPLTLRKEAFEG
KEISMEEYDEIQKMQKTEEAKEMDKSDELKDDNDQCAERVVKMTNAGVPRALVQLAEG
SSDRSLEQIVLALNRMANVQSVRGTM IQQGVLSALIKLEKDEKNPSDIRKKIVRNIRHCM
AKLLVTTNPNLLTSAQSMGAIKPLIQLVREVESNDLQKFEALMSLTNIASLSDSTKNKLA
SEKGIHAVKFCMFS DHPMVQRAATECACNMVGNQFMKLLLEDVDELRLFLALASDYEENY
ECARAAAGCLAMATGYPNVAKTITISNFKERMDTCLSSGSLEILYRMEVVVNLNVEHGG
EMKMAAIENSLVAFCDAYVESYHDGKKEELDLADAQIPMFNTTVDIAKQIVRAAEK
>comp13538_c0_seq1; 378 199 1233 LEN=1921; translated
MNDQERQQSNLLPISEVTGKHQADIGIERCAGNENTTQTQKTMTAQKEYYEDSSKDPFNS
DKEKLVNLSPKKENADDIASMISHIVGRVCEDSVASDVSGLTADIFRTEDFHSSPTNAH
SVETVVQNESLSSSKNKNFKSVVRRAPNAPAVSGALTDIESENTSTTVSSSHEEKTPKS
RKRSVSFCDVQVRNYERVLELNPSVTS GPALGIGWKYSVEQEYSVENFEDSRENFRHSM
KELAVSRDEREDILRSLGYSQKEIAGSVRAIRAKNQRKQTIHNLHVSSMEEFMEKATRK
VKRVLLFPLHNRKAKALYSYPTQSPLSAKTL DSCALKKTSLRA
>comp13539_c0_seq1; 1276 67 3594 LEN=3713; translated
MSSLPPALNFPDAEVKICEKWKEEDSFRQQNRLSEERGDEEFVFFDGPFPATGLPHYGHI
LAGTIKDTVTRYAAMTGKRVDRRAGWDCHGLPVEQEIDKMLNIKFRDQVLEMIDKYNEK
CRSIVQRYTSEWETT VTRLGRWIDFENDYKTMDLTFMESVWWVFSQLWEKDMVYQGFKVM
PYSTGCSTVLSNSEASSNYKDVSDPAVVVAFPIVGDDEDMKGVSLIAWTTTPWTLPSNLAL
CVNPKMEYVQFLDKKSGNRYVMAKTRLPQIYPI MNKWKPKMADDLYAIEKTM LGAEL
KKGQYQPLDFDFEGPEAYFQVVTDTYVTD DAGTGVVHQAPAFGEDDFRVC MANGI IQKGV
DFPCPVDADGLFTDEVSITKGVHVKEADNTLIANIKERGRVLVQKDMLMHSYFPCWRSNTP
LIYKTVSSWFIKVEEIRDITVDNKNVRWVPEHVGKVRFNWLNK DARDWAVSRSRFWGTP
LP IWTNEDFSEMICIGSIAQLEELSGEKVTDLHREFVDKLTIPSQKNPDGPR LKRVD E V F
DCWFESGSMPIYAQKHYPFENKDSFENGFPADFIAEGLDQTRGWFYTL MILSTALFGKQAM
NNVIVNGLVLAEDGKMKSKSLKNYPDPTIVINKYGADALRMYLINS PVVRAEELKFKEG
VLGVVKEMFLPLYNAFRFFLQNLERWESDSGRKFVPSLNIVKSTANPTDIWISAATQGLI
KYVREEMEA YRLTYVLPALVTYVTQLTNWYVRLNRDRLKGLEGEGDAAEKEAETGLQVLY
DVLLDVTIVLGPFTPFLAEFFYQHLRKLQPSYAEAAANGGGSANPVKVGKSDSVHFLNLPE
YDESRLNTEAVEAMEALQ TIVEQGRNVREKRTISLRTPIKSVVA I LRKPPSHVIDGLTGP
LKKYILSELNAWDFQVIPEEEQHNVVTLALTPNFKVLGKKVGGKMKAITAAVKKMTHTEA
VKCLEEGKLVVDDVELDTASELISKLSFSKEGDHWESIASADGATVVAIDATQDDA ILSA
GMAREVINHIQQLRKAAGLELKDVEVFFHEEDGVTTTENAVSNNVATLDAKFKGS I PLP
KRFAPSWSVL KADTVDVGGSKVTISVCRPAIAVKDSLDEM VANV LATKEP SDFAKGASF
TCSVDGKSYELKEGEDFWLSTVAKARSTKAVSWIA
>comp13540_c0_seq1; 333 278 964 LEN=1373; translated
MSSPSASNTDPLDDVRKSKQELRRKLR SAMKTLTSEDINEQSKLVWTSIFDLPIYQSAKS
VGLFLSMP LGEINTDLILQHCVQH GKEIYVPEVGKNFELCDMELRKVVLD DGASGESIEG
MFHKTWPKNKWKIPEPPNDMPTITAKPGDIDLMI V PGLGFDRSRNRLGQKGYYDRFIAK
MTKDGHDLPLVAVALRPQLVVDSSIPTATYDRQMDMVVLPDEVIVPTN
>comp13541_c0_seq1; 562 109 1407 LEN=1454; translated
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LDESILLYSQISRQIGVENNTDIETLRKNELTSLITDIVFDERGSVDLEKRKKS VQND E D
DRELETLDEISSALDQQILLGYQSTFTEEELAQWVGGIDALYEKLSQVRALPPASSGTE
KSVPKAVATTLTPLDQLQSRLES MRILIDPTGNARWRPPLAQSAVQTVPSITPAHTKPD T
KKEDEITAEFFIDETLSKTSQPDVVEGKLDINNP IETPNTQNPTANNNSTIQSMGGEK
WIEVPADADYIKANTFARDNDDGTSAGFANVTVGVD D P SDDHTAPDHSETPERSTR TVDV
VSTVTTAALGAAAVTKLPLFAAGVAFGPVIRDSISYAKGRMANSTKTTNPENDTNSTSV

EKDKGESDSVED

>comp13542_c0_seq1; 98 101 619 LEN=1326; translated
MRSLLWSTVFLMLIELAVTLILVIVPVRKIRNWICLRVSKLELKKRLRVPLVLIVSALL
FALADTIGYLSQIYAKEVRDAERIENVLDRHLIKEKEYRAGRNLVYLVGFALTLIFVIGRI
TELMQEHAELEGTVENLRLAVSMMETKDRGKRSGETPGEGIEMKPMQSKKKE

>comp13543_c0_seq1; 371 108 977 LEN=2092; translated
MAGKRKSPAFAAATKGRSRKNDEQTVGDDSDSSGESPLRKKQNTSTSSAPRVSINVERKSST
PKGGRNNAIAVGRDFHTPIECSPRSDAEENLVLHLAPPIENSLIKPVSVSTAIAPAP
APATITTKTEKLIETLGSIPTPQKSTDENLDCENDLTFVDPKPKDKTGNLLKILFWIGFL
CFANITVFSVVTWSGMLLNERSLFQLELSSCKERLRQVHHVMGISDSEDNNGDIDNSGTN
KRLQEQLFYWQELQVQYWKKEAKRHQQYGEIGIQQCEEDLRRLVSEL

>comp13544_c0_seq1; 335 1 984 LEN=1363; translated
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PWHPSNRKKQIGELLRFVEDTLSSIERASGNARGCYDWSQTAVLVLGDFNVKAGSEEYME
LLGAGSSEPSLPSADGPPCRDDAPCLGWIDYFALDHGAHESPPSSRGNSTHEQEQQHRQ
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>comp13545_c0_seq1; 302 531 1586 LEN=3042; minus strand; translated
MAQSLTRIDDSRDILQLMIRQEESSYKCPHYLSLEERSTQTLVFTPVPSVLQVVEEMASL
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MLEWGNVAVCVTFGIDASVLESFAFNILDRIYAVEISHSNDAFENLSLTREDFQLFSMVSIIY
IAVKMFSRNQNLRVHDLLEMAQGFYTADHITTTTERDILEALNWHVNPPTVMDYCDVYLT
FPQHLYGCGYNDAYSPASQWSSSKRVGEEKQRRKCRRCQSMVGIVLQDLFFVDKPNFLTA
LAAVLLAADAFAFGCARDNSFVLEHFLRNIQGVVNIQKEEFDSIIRRLECYC

>comp13545_c0_seq3; 302 1041 2096 LEN=3552; minus strand; translated
MAQSLTRIDDSRDILQLMIRQEESSYKCPHYLSLEERSTQTLVFTPVPSVLQVVEEMASL
VTDIRAEPSPMCKGDDHCASPGSSTCDLYGDLRAPLRAFLPNSRSEQFQEVLSLSSWRHR
MLEWGNVAVCVTFGIDASVLESFAFNILDRIYAVEISHSNDAFENLSLTREDFQLFSMVSIIY
IAVKMFSRNQNLRVHDLLEMAQGFYTADHITTTTERDILEALNWHVNPPTVMDYCDVYLT
FPQHLYGCGYNDAYSPASQWSSSKRVGEEKQRRKCRRCQSMVGIVLQDLFFVDKPNFLTA
LAAVLLAADAFAFGCARDNSFVLEHFLRNIQGVVNIQKEEFDSIIRRLECYC

>comp13546_c0_seq1; 328 154 1565 LEN=1565; translated
MPCIIIEPTSLRLTDTENDNDCNTRDNDKMNDSAKLYLAPMRHGDLLLPLSSPLSTHPG
NQSSSNRTRKNVHEIPRGWISLHSSHRRCSHRGKLDGKSFIPSHKSAIFLGRSDFLS
SMFSACGCSKNWRSSRNKCKECSRVLWAGNLSRRTLKINSSSNGANQPAQIQLSFRGCL
AAIVI IKKDCRGEIEDTEYHRRCKCHRCNDYWDTGDTDVSVAPIASALEEIEETDDTGMR
DPRKWSKPKRIGIGTRISLRYGEENLDFMVVSQEDLQNSVNTHDHCYEKRRDRIGTCGGS
IPNNLKRAPSYSSGSSITKVLKDLADGHNQSNRKNTRPLQEQQKNRHILNDSNQQLQPS
QAAVENSNSDSCHSPIVTRIWFCPRGQDMPKRIDILADRLLSLINSRVVSSSSSRPIH
VQVVDRCFDATHWIVSERVPDLASVAKALPSTANSTEEALTKFLDENNVEX

>comp13547_c0_seq1; 1087 135 3782 LEN=3853; translated
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IVVGCVRSFGLWRDESNEETGNSDSSITDAPNRNSESVGVMVME LLANVIRDWEDHVLVA
ALVQDKSISQRGSAVQSTHETLLDALTLVSPSDNRRRLRLKKEHRERIRQTSTMCLATA
WRSLDRLEYLTTLTNGDHTRSTWWISDERAMNSLAVRSFQSLFQLYGCSKHYSHADQQR
SNEHQISAASSPDQERQKVASLTILVILLRHQVNLVSTSPSISRSSTNEDCVLPESI
LTELISKLIKGIQILNHSILPPSSSEHTLPIAMLSMSALSLLQRSLTISEHASLFRGVDQ
TIQSTGLVENLVQFTFFSTSRWVSMASNHFKDRLQSFGLHLFSCWKFCDGAAWRAVVVN
LEPKIRSIVAAFWSNLLQGTGSHDNLSSGDCSNLRGIWLYITVRNHARYSLDSVLEDM
HADPIEATHSFPSQNRSSSHRSVNKMVLRKIIYSLFGLRLSSGASYSTRLMTSRLRLRI
MLTDRRFASSNDELRSIWRADQSVIEDHLETVLEHADTDDTNQPLLLTLVDTMETLLE
YEEKRNYFVDNLAHNLLETILYLIKPRDVRDYDFSLGGDDVVGINTETPPLHNL SRMDETS
ICIEHEEIKEPKGFDHPVRLSVATSLARLAYSSSTAPPNESIALLSRIS SAVNDFIVEY
HTRIEGGEIERNIANKTITTTPLSDQTKRFMRLQACATPENEEFLSSIMFTGMSLHRKQ
ISFLVDAQKETEYNLQMTLEREKIAQEEKVKHIQRLGVQSVIFQRELSRAKLNMEQDSRQ
LISMHASERASAEERLNLVQQAHEHDKSELERVKSEAESTIEELQKTKSKIEELDGTIGT
LQOELKDEKAKAKEITQELETNRARIQAFEEKCGDMRSTVEEKEDTISRME DTNHQLQDN
LEDLFADMCSLAQIHEHNENEENSQKLNAAEIEAVNQKLTTERQRNEELVSKMKDVQEE

NDKLYRKLAKYKERLELEERRSRDDQNKKEEDDRRKRSGPVSYINSLHTSTTSDMTQSR
SKSMRSSRTSSQRAPTQSSQYKSRDRSMRDMSMRGMSIREHSIRGNSDKSIEHEKENS
SHAS
SNHPRSSRSQRRLES

>comp13548_c0_seq1; 760 1 2380 LEN=2441; translated
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TLRDDVTTGIYAWGRTAVNDSSSPLRAEALFQKFEKNCKISRSSNSICRPTSDIYSALVY
CWSQAQANQIASQKALYWFRKIEENKAMVVTSEAWNALLRIHVRQGNVDKNLLTKHSIL
NDGYTYASLVEGWMDSELPYSSKNAYNELQRGIAAYCIDKEDQMPALRQLILTYLVKNIEK
GNILEYEQVMNQASILQENHPELDFDAKHFLAVMNAFGARGSDKVIQLYQELQIDYEQ
GSERFKPSYQIVVAVLSALAKKQNLKSLAACESSLSEIESYLLIDGVSAAGITNHAYNIV
LDCYIRFPHVKNRRRERVEKLIERMEKLASKHNNPLLRPKLSFAAYIKSIMQEDKPGSVL
EIDKILQRMENSHLLSIQPDRIYITIVLEAVLARGEKTAILQAKDVMGRMGRVNLDPDR
IMYTIILMKIHSLVGDVQGSDDVLNEMIEAYEKGRADCCPNEKAFVTAISSLKQLNREDVP
DEAFRIFNKMVALYNNGIEECPKSMKTFGMLMVILAKSNHKSQKQMAQRLIYEMEKYGVN
PDLTLLNWMYRVCTTITSSDLRQHRESWTEILLTFNTLQERGIANSYNSVVFHACDRFV
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>comp13549_c0_seq1; 456 240 1539 LEN=1539; translated
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DSSIIHNPTTWKSSGHLDFSDPMVDCKETKLRADQLFFSPVILQGEDDKNIIGYVCV
QEGNDEMVKAAKTMSKLLKEKDLKGNRIEAFSFKELVEATEEEFAQIPSPASGKPTLT
QPRDFNLMFETRVAADVSENIAYL RPETAQGIIFINFKVNLN SSRQKIPFGIAQMGKAFR
NEITPRNFIFRSREFEQMEVEYFIPPGDDVWPEYHQKVIDSSKDFLVDKIGLREDLMGWD
VHEGDGLAHYARACTDVTFTFPFGTQELMGIAARGNYDLTQHTEGSGKNLGEYYDEETKE
RYIPHCIEPSLGVX

>comp13549_c0_seq2; 636 240 1937 LEN=2150; translated
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DSSIIHNPTTWKSSGHLDFSDPMVDCKETKLRADQLFFSPVILQGEDDKNIIGYVCV
QEGNDEMVKAAKTMSKLLKEKDLKGNRIEAFSFKELVEATEEEFAQIPSPASGKPTLT
QPRDFNLMFETRVAADVSENIAYL RPETAQGIIFINFKVNLN SSRQKIPFGIAQMGKAFR
NEITPRNFIFRSREFEQMEVEYFIPPGDDVWPEYHQKVIDSSKDFLVDKIGLREDLMGWD
VHEGDGLAHYARACTDVTFTFPFGTQELMGIAARGNYDLTQHTEGSGKNLGEYYDEETKE
RYIPHCIEPSLGVDRLMLAVICSAEADEVGGEKRNFLKFNPRIAPIKAVVLP LLKNKPA
LVEVARDLFEKLQARGYNV MYDAAGAVGRRYRRADEVGIPFAITVDFETIEDDAGVTIRD
RDSTEQIRLPIDDVIPYLSKKIDGY

>comp13549_c0_seq3; 189 240 632 LEN=843; translated
MKFSTTTLMMILCGQNVARAFASFSSGSRVAARSGARVLSSAATEEAAEATTAAPLQEIP
DMEEIVSLCKRRGIIFPSSEIYNGYAGFFDYGPLGAELKKNLKDVVWNHFVTQREDVVGL
DSSIIHNPTTW

>comp13549_c0_seq4; 538 92 1360 LEN=1573; translated
MVDCKETKLRADQLFFSPVILQGEDDKNIIGYVCVQEGNDEMVKAAKTMSKLLKEK
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YLRPETAQGIIFINFKVNLN SSRQKIPFGIAQMGKAFRNEITPRNFIFRSREFEQMEVEYF
IPPGDDVWPEYHQKVIDSSKDFLVDKIGLREDLMGWDVHEGDGLAHYARACTDVTFTFPF
GTQELMGIAARGNYDLTQHTEGSGKNLGEYYDEETKERYIPHCIEPSLGVDRLMLAVIC
AYADEVGGEKRNFLKFNPRIAPIKAVVLP LLKNKPALVEVARDLFEKLQARGYNV MYDA
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GY

>comp13549_c0_seq5; 358 92 962 LEN=962; translated
MVDCKETKLRADQLFFSPVILQGEDDKNIIGYVCVQEGNDEMVKAAKTMSKLLKEK
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YLRPETAQGIIFINFKVNLN SSRQKIPFGIAQMGKAFRNEITPRNFIFRSREFEQMEVEYF
IPPGDDVWPEYHQKVIDSSKDFLVDKIGLREDLMGWDVHEGDGLAHYARACTDVTFTFPF
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>comp13550_c0_seq1; 1335 1 4243 LEN=4288; translated
XSNTGQIQQLAVNGWVSSTLSTAYNSIVTANQWPFKLSVQLD GARFTPLDATTWFVVL
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PKAGEAEQQLHDIGLLFVASRLGDSLLGYALGKTSVAEALKTEPGLGDPGETVKTEQTI
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PPSDDDDDDENGARSNSRQSGRKRARFNNLLVVRTLHVLDLSTALGPLGPACSGPLSPS
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FSLPRRGLVLMAMLPEDGGTKVFRIGAADSATKGGLEEIDLADWCPSSEDRDFFTTCHLL
AASDLTEDSFLVLAASPNDENSKSYFVITLREQQQQGGQSTTTIRMAAAYQLDIPQSEIIT
RAKTVEDRESGQVFLSYTLTTGEAKVAVISSDGSVDTKHSFPSIETAQMDTSTDLEEDAE
LSEEEKFYAGRTIVSVMFKAPRSFFVSEAAGDPEKNEDTIVSDQEMEDGNHLAEAEAGDD
YLDEDDRDLVYQGTPTDGGSEKKKESDDNGCDEAMTSDVWVYFATSRQSGELDVFLFS
DLETPVWSCIGFGHGAPSLDTHDPSSFRNPIGHKVCTREIKFFFCGPPSSDEWKNRQGLVG
PRPFCVMLETNDGDVQIYEAKIHHRSLKLLSFRRIPKDVSRQSQUESTKHFSLRRKKIV
SAKDATESSGDFQYNRLFPPFRDISGQDGVFALVTRPFWLVAERGRPTVLHHRCKHVAPT
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VEKIPFGVTVRKIQFIDDDHASTGSRPLYAVLVSREYEADLSELNDDGMTDEERQRLAE
KESAKIQRQVEADLGGFDVEQEWVEEIERENCFKINRNLLGGAPPVPSSAYSLWIVDVANG
WQVIDSYELECEHGTSMVMTLTKFLAEPGTDYNTSEEELESKLFIAVGAGTINKDGED
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INVEQWGNKLTQVGFFRATMQVLDIKLKFNFIVLSDAYDSLYFLVWRESDKSLTMLAKD
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DLRSHFCRSSLINSSTPSSALAAALKQQDTFFGKADDDQRFALTFGTTDGGYHVVPLSE
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>comp13551_c0_seq1; 1482 63 4158 LEN=4158; translated
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TALLKSFLVSTNEVSQKIGREIVEKIVIPKILIIISQKDRSVESDFESLLQTYLPEQVIGIG
VYVQSLYQSADLPFPLNEPIVSTKTIPIWIGQALSETSAIVQPRTHFVWDTLWCYLTMEVE
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RESSHLKPLALDILSSLVESAAAASGDTDRQFACLKAISNCDPRFDARTKTNAISNLLSS
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KVQKCLQDGGQIGSGIRAILAARFFNLVSDALATTLRESKDDYSLAVLKIVCESWVELE
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DDES D I E L D P S K L H S M L E D D N L D D V D D I V L E H H E G A D A A L K L I K L Q E A R K A G I E A R E K
I ELANQLRCVFLIELMLTKADSWSNL F Q I N T I Q E L V V P L L D R R K R I G K S T Q K A I E S G G K S
G T D L R K Q L L Q R V T N L I K Q K L T K I R L T S M P L T C P I D S D A A T S A I R Q I M K E A K N S K D K E Y Q S
C C S S S L I F L F R M M P T S D D L I S F A S T E Y G D I V Q K W S T K R G S G A S L L E D F I S H I P A L A Q A S L
H G P L I R A A E D A R K P I L K M E V F R L L S L L F A N K S N A E G E S E I E T Q S R A K I H E A Q D G L L S M I Y
K T L Q D E E M A T P K R A R G V F I A L E K M L P F L S S P A S N Q A L D S M A S I K I E I S G L G E K H D G L K V I
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>comp13552_c0_seq1; 586 175 1977 LEN=2059; translated
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>comp13552_c0_seq2; 536 175 1917 LEN=2416; translated
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ASNHKDDANGTGGGSRSFAYVSNIP TDGSDVDE TIRALFASYGSLRKVHFYVHKSSGR
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>comp13553_c0_seq2; 136 2466 3318 LEN=3318; translated
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>comp13554_c0_seq1; 458 355 2115 LEN=2731; translated
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NDDVSRTE DIPGANETMDENRTASPIVMFPNLNHGMDKESGESLLSTDAIQTTLGSP TSE
NSTGREAGALPTDS DMQHSVEEEFPTQRNSETQSTPVDMEISGLEENRTG SVGGSCVQME
TDKCDPTLEATIDSVD RGTDLRRSFDHYTITDLHTLAKDLQADLSNCIVREDMVDVFVNA
GITGNPDASALMPRMFSSYSVSQ LRFIGSKIDIDLSQCSTGEEMIEKIVQVGNVERPYLR
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>comp13555_c0_seq1; 243 131 838 LEN=1225; translated
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MNALLFQAEYEEGLNISLV DVLARIGQEASDENINGSNVNLDDLRRFLTRNEGKSQLETD
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>comp13556_c0_seq1; 792 1 1740 LEN=1924; translated
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RSLWGSMMHTKQMYETSTTQAIRDAKW PTEFVATRVGATLTGNSQQKSSNERGAQAAAASA
SSTKDDTKKAEDFNRLKELL DREM VHADQIYRMPSSYLWQCVEEMEGRARQLQGQLQSL
QETLEISNQVSSEQFDVVGVIQLQEQT IWKVAADL TEVHNK VDEL RHLYNLHEKGINVLE
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SPAPASGGLFGAPAPSTGGLFGSAPAPAPGGLFGKSPAPAPGGLFGAPAPAPAFGAAPAS
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>comp13556_c0_seq2; 802 1 1782 LEN=1966; translated
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PYSSLPQDQKNNIDTVYQAIMNHKRTILAVSSMAPRLLNTSTEPADVAGGGEVPLSITV
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HLYNLHEKGINVLEEARQEEIRHQQQVNQQMRTL MVKTLPTTAPAAGGPAPAASGGLFGS
TPTASAGGGLFGKSPAPASGGLFGAPAPSTGGLFGSAPAPAPGGLFGKSPAPAPGGLFG
APAPAPAFGAAPASGGLFGSSTPAPAPAAGGLFGSTTPAPAPAAGGLFGSTPAPAPAFGA
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>comp13557_c0_seq1; 150 102 617 LEN=1105; translated
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VQANVTGTKYNITKTSNTLMYTKGMAVFTSAIGGLMYEASLSGQKYQFQPL
>comp13557_c0_seq2; 150 102 617 LEN=1350; translated
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QASFGPQFGGQVYAMI IFFEREIDYQRFVVDGF EFGADANAVALTASAGAKVSTIDNNIG
VQANVTGTKYNITKTSNTLMYTKGMAVFTSAIGGLMYEASLSGQKYQFQPL

>comp13558_c0_seq1; 226 1 864 LEN=1608; minus strand; translated
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QTTENCVVFGFRVIGKLVSDGKILTENERSLVQRLLPLIVATIDDRSWRVRWTAATAAKFADI
IKAYNPIPGAMDTLIPAYEKLLQDPEAEVRTAASFNLAVVAGGCDSMILPLGSDELDEAA
AANFTGKRVSAAERLVKRVTSLETEDDSEHVRAALAMVATELAPVLGRDGTITHLVPPILL
LLRDAASEVRLNLISSLESLSNMVIGVDLLSQSLLPAILDLAQDGKWR
>comp13558_c0_seq2; 167 260 1008 LEN=1752; minus strand; translated
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VVAGGCDSMILPLGSDELDEAAAANFTGKRVSAAERLVKRVTSLETEDDSEHVRAALAMVA
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DLAQDGKWR
>comp13559_c0_seq1; 227 317 727 LEN=853; translated
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SPYALGKCDLWRWENE
>comp13559_c0_seq2; 315 317 850 LEN=1154; translated
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EYPGQLSRSCVELAKGWRTDKYLRRLEASLIVADERKTLEITGNGDVLEMTDGVVSSIGSG
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>comp13560_c0_seq1; 543 1 1723 LEN=2016; translated
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NHNQKRPRPVPATSVQLPSSDWNRYPNLPTRYSNHGHNSLPPQGI PRGGYSIADSLQSGV
QNYREPQIPTPQTAASQTLPPNHSRISQFEQEKIDWQAQKARRQEDNIKKRKNAGADHDTK
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GLLEEDMTIQLWTGPSSSRTEKQQVENIRHWKNALIAAVVNRRTKPVAGESEDKLQPPVI
HVSYLSSPDDAEETIEKKVPLDRIRIILGGDEKIPDNLEEARLLAMGGEEIHVSSNKNKG
SVAMSDQQQDICESTGLSGWSTVTIKKTLRQHQHREEKERFSEMKVQAAQKREAEKKRIV
ERRLEEARASNADDSALGAYDVWGMKMDYKGVDISKEIHCSVEDTAKRLAPVASSQSSDKE
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>comp13561_c0_seq1; 579 120 2222 LEN=2222; translated
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FERYSWGTTENLVDRDDSDNCSHYDDACFAVFLFALFETNPLPRDFKGDNPMELLPVS
VRSSSDPESSHRRFFLKNIRIDRRHFALFLGLREASLAKICDCERSYYTSKRSLHGSRH
DEQGLWRCSCAMATDSLEILDRIFLLELSEYTGPGVGAFAFAGHVEYPYRSRSLGQESA
CQSGKRIPESFHGPKIGGDTKRSVSSIDYSTEIRTLIGKYKKIVAEIRIPSSKLKSVRH
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VLSYSSSEGIIDDQISMATSTFGRKALDDLQKVAHEGDRGVRLKRKSKALSSNKKIGE
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>comp13561_c0_seq2; 738 120 2684 LEN=2785; translated
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FERYSWGTTENLVDRDDSDNCSHYDDACFAVFLFALFETNPLPRDFKGDNPMELLPVS
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DEQGLWRCSCAMATDSLEILDRIFLLELSEYTGPGVGAFAFAGHVEYPYRSRSLGQESA
CQSGKRIPESFHGPKIGGDTKRSVSSIDYSTEIRTLIGKYKKIVAEIRIPSSKLKSVRH
LRGELESLSAISAKRQSTRSVLVDQSVETKRHQNDSNELPGASIRTEISQAYQIILGG
KIPDSLKTQLRASVMALLRRDEPIPLPSDLDDHRSKPSLERDDISSIGCGGISLAMGQGR
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VLSYSSSEGIIDDQISMATSTFGRKALDDLQKVAHEGDRGVRLKRKSKALSSNKKIGE
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GKSQKANKKKRKTQDYANKLTSPIKVNQGEDEASVATSAFGKRALDKLFEKVRQEGARNP
GEGVQTRKRKRQAVSMKKKRSMEENAANKVHPFLTGRSDTNSSEDELSVATSAFGKRALEE
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>comp13562_c0_seq1; 637 1 2331 LEN=2369; translated
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HDSCCSSEWEDTCDEIAENLCKPDVEEIPISIGGDCPFGMTCSYEQMANCTELVTHYNDTM
YLGNVLGGIYCGGGEADFYGIQNCPRGSYCPDPETKLPAGYFCPYKTLDPDTPCARCK
EGALELERDLYGWIGLLIILVLA VAYIAWGLLNRYNKR VADHVSDLEQRALNRIENLKSD
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RIRFDAIRLFDVLDIDGSGDLSFDELNAILGLSEVELKEFIRRMNEMAADSSSDKNTVTR
PVFAKYFLQVLTDTNHIAISYEEAEAFDVSFVDGNKSTNEINMNK FYSSSMSEFLSDSQI
LQLIKAFKALKTDVDILVQDPHDDLQGTGSEQLSRTINRRGSL SALRASRRPSTMALEAI
ITAE EATDQKITSSLRGATPTTKTSGGKSTMMIGRKL FIEKYPQLLMDIMLKEEDGDDHT
ELIDICGVDLCKFDLSLSIKVGKQTVDVVNNVTGRIRGKTMTALMGGSGAGKTSLLNALC
GRAHYGETTGTVYLNHGHETDIESHVDCIGFVPPQDDIVYAELTVRENFI FAGKFR LPKGTS
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>comp13562_c0_seq2; 787 1 2775 LEN=4335; translated
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HDSCCSSEWEDTCDEIAENLCKPDVEEIPISIGGDCPFGMTCSYEQMANCTELVTHYNDTM
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EGALELERDLYGWIGLLIILVLA VAYIAWGLLNRYNKR VADHVSDLEQRALNRIENLKSD
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PVFAKYFLQVLTDTNHIAISYEEAEAFDVSFVDGNKSTNEINMNK FYSSSMSEFLSDSQI
LQLIKAFKALKTDVDILVQDPHDDLQGTGSEQLSRTINRRGSL SALRASRRPSTMALEAI
ITAE EATDQKITSSLRGATPTTKTSGGKSTMMIGRKL FIEKYPQLLMDIMLKEEDGDDHT
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GRAHYGETTGTVYLNHGHETDIESHVDCIGFVPPQDDIVYAELTVRENFI FAGKFR LPKGTS
DKEVQELVDETIANLGLARVANS PVGDV KRRGVSGGEKKRVNIGLELMGMPSILFLDEPT
SGLDASSALLVMKSLNHLVERDGVTVVSVI HQPRKF IYDLFDSL ILLGVGGEIMYHGPTE
GAEPYFDR LNYKLPKGESVSDWLDIDISSGRLEPENNISLTKGESK KKKGKDSKVGGKEHIL
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>comp13562_c0_seq3; 667 1 2364 LEN=2427; translated
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HDSCCSSEWEDTCDEIAENLCKPDVEEIPISIGGDCPFGMTCSYEQMANCTELVTHYNDTM
YLGNVLGGIYCGGGEADFYGIQNCPRGSYCPDPETKLPAGYFCPYKTLDPDTPCARCK
EGALELERDLYGWIGLLIILVLA VAYIAWGLLNRYNKR VADHVSDLEQRALNRIENLKSD
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ITAE EATDQKITSSLRGATPTTKTSGGKSTMMIGRKL FIEKYPQLLMDIMLKEEDGDDHT
ELIDICGVDLCKFDLSLSIKVGKQTVDVVNNVTGRIRGKTMTALMGGSGAGKTSLLNALC
GRAHYGETTGTVYLNHGHETDIESHVDCIGFVPPQDDIVYAELTVRENFI FAGKFR LPKGTS
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SGLVVRTN

>comp13562_c0_seq5; 1037 1 4056 LEN=4240; translated
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YLGNVLGGIYCGGGEADFYGIQNCPRGSYCPDPETKLPAGYFCPYKTLDPDTPCARCK
EGALELERDLYGWIGLLIILVLA VAYIAWGLLNRYNKR VADHVSDLEQRALNRIENLKSD
MTGNDSEQSREIEQLRPKLELIKIRLANMERTDESARDVKVLGSSKKIIDGSKAVELDGE
RIRFDAIRLFDVLDIDGSGDLSFDELNAILGLSEVELKEFIRRMNEMAADSSSDKNTVTR
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GRAHYGETTGTVYLNHGHETDIESHVDCIGFVPPQDDIVYAELTVRENFI FAGKFR LPKGTS
DKEVQELVDETIANLGLARVANS PVGDV KRRGVSGGEKKRVNIGLELMGMPSILFLDEPT

SGLDASSALLVMKSLNHLVERDGVTVVSVIHQPRKFIYDLFDSLILLGVGGEIMYHGPT
GAEPYFDRLNKLPKGESVSDWLIDISSGRLEPENNI SLTKGESKKGKSKVGGKEHIL
PQPGVINDDNCVGGKGVTTGKVVRALED AKLRRTWLCEEWLKYFDNMGDKKTKLYEPPEK
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LNPDLPFDVLRPQERDQENIFNALFAYVHRQIQYPMKVGIVLCIIVGLTATTNLT
MEFFRESGSGYDINAYFFAINIISTIEFSIQVLI AALFATWIRNPIASYISYYIHFLLLT
WVTVSWSMFFPMVCSPTVPLVAGFFFFTCGLVFSGAFSPFGYEAIIYEEGGFKEVLV
SPTRFFF EALTVGEYRCLPEQSGFTIASSSSNRNSTNTMMRKMGYAGRDLQAVRWS
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>comp13563_c0_seq1; 509 110 1225 LEN=1514; translated
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SDKLESVDVCCSQSVQIKEGFTNFQSM TASTGASVNAIFGVEQDKDLAVGVFSGSE
VNLEVTGTS GAKAGSRVITVARDNSKLSVDGDVTTLS CNDGSSCKIAGSISDPAD
SKARGNATIETSSCEDVLTTESVCLSQEPNVTVTTDAPLMISGEKEDCVQGESL
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>comp13564_c0_seq1; 202 432 780 LEN=780; translated
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SSGTS GSGX

>comp13564_c0_seq2; 211 432 792 LEN=792; translated
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SSSGTSSGTS GSGX

>comp13564_c1_seq1; 600 1 2052 LEN=2328; translated
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EDRVAERLEAQIEAQINERLQEVDRRLF LERACNAGSGDRHGFGEPEKKENDN
FEICGIRRRCWGLILCVLVLLVGGVAGARVWFARERKAQTGGSDPSVSRATLPP
AVATDPEASAVPSADPTTRTSSPKPSPAGSAGLDEGPGSTEDPPLVANPTQSPT
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AGGDVETDVLATSVEVLVERYALAVLYFSTGGDRRWTDSFFLTPGTVCWNN
DRRSQTEIIGNDSTAAKGESSPARED TDAIGTKKGI FCAGGSPFATTIAMS
DNALRGEIPWELSLRLSVKIDFDANQLTGTIPSKLGR LGR LQAL WLNTNDL
TGGLPREFANATRLASIDVENNSLSSTMPAEWGSLSDFYASLR LNDITGTL
PPEWRGLGMLEILDVSDNRLEGLTPEGLGELTEIESLYLESNRFEGPLPPSL
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DLLWTSNGTDLASDCLGSD EFPAQMSVRVALGAATAVGKT VV

>comp13565_c0_seq1; 639 169 2100 LEN=2565; translated
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DDQVSAVSLPKALKKRKSKKKGSSSCKSR SNSSRQNFDE DGNRLDRRKS
IKKSSSKRKSSTKSLSVTGQDTKETKKSSTARQAKGKVE RKLEVSREIKSVK
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FCRGENSIPDKNDS SHKSHASSGKVSSKTLGSTRRGGRHKQKSKETLQEDS
DDVQNLGQSLFRKTSSKKKSLAGATDETKTGGEYIETIGTIDQQLVHSTLNG
TNAMEDDQRSF GMLNEANETS KTHGERSTQDEYLMF DSEGNEKKNLSNEEY
PLSPCNSNLRDHSNASRS SYHEDNIYDAEEDYSVDEIQGQENHIKSGDIHQE
FGPTLGAQTTQSLPSSTSDKTLLK KWWQRSSKTI FKKKKKDRTTTT EIGR
PSDHSQQHLIKHAVRSW

>comp13565_c0_seq2; 639 169 2100 LEN=2584; translated
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DDQVSAVSLPKALKKRKSKKKGSSSCKSR SNSSRQNFDE DGNRLDRRKS
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SLPTMEAEDTEGIYQANSHQELSATDRMIRSVNSEP IMGGEENELPQ IRPPT
FCRGENSIPDKNDS SHKSHASSGKVSSKTLGSTRRGGRHKQKSKETLQEDS
DDVQNLGQSLFRKTSSKKKSLAGATDETKTGGEYIETIGTIDQQLVHSTLNG
TNAMEDDQRSF GMLNEANETS KTHGERSTQDEYLMF DSEGNEKKNLSNEEY
PLSPCNSNLRDHSNASRS

SYHEDNIYDAEEDYSVDEIQGQQENHIKSGDIHQEFGPTLGAQTTQSLPSSTSDKTTLK
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>comp13566_c0_seq1; 291 1104 2111 LEN=2387; translated
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KLRRYTYRSDDFYGSNSYGHRHLNTSDSLMSDTMSESGRSLDSRRSKKSISFVSSLIS
RNHRTVDEDPSSRLVGKRIFSKMYFEQCEHPFFKRVWVGRHILNGESPLVRPRVKRLIRK
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>comp13566_c0_seq2; 405 102 2006 LEN=2388; translated
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QYRLETTTKRSVLCCFRGAVTAAELSDIKPNKQLASFLHWMFRSNFFILFCVMCLCFFGL
IVFFACFI IAASEMNEDCVRAGEKERFYFISRRGDAQLQLFFLNVP IHMNI SFVIGNFCL
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GSEEKIPCPVLEFRIVNRLFDEPGGEIMDASLNVVANINARDADPVLVDALNSSQRSK
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NHRTVDEDPSSRLVGKRIFSKMYFEQCEHPFFKRVWVGRHILNGESPLVRPRVKRLIRK
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>comp13566_c0_seq3; 469 102 1859 LEN=2241; translated
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QYRLETTTKRSVLCCFRGAVTAAELSDIKPNKQLASFLHWMFRSNFFILFCVMCLCFFGL
IVFFACFI IAASEMNEDCVRAGGDPGKTFGDAFTLSWTTTFSTVGYGSLYPALSHENDSPD
NCIFITFICSMESFVGVLYSGFCGAILFGKVLRIQSHAQVIFSDAIVIRYGSGLQEKHDD
DHSDDDIGEDGSEEKIPCPVLEFRIVNRLFDEPGGEIMDASLNVVANINARDADPVLV
DALNSSQRSKLRRYTYRSDDFYGSNSYGHRHLNTSDSLMSDTMSESGRSLDSRRSKK
SISFVSSLISR NHRTVDEDPSSRLVGKRIFSKMYFEQCEHPFFKRVWVGRHILNGESPLV
RPRVKRLIRKNDGFWPEKLNLDYTSVRRSLLFNQILVSLNGVSNLNAHEVYAQKIYDFVDM
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>comp13566_c0_seq4; 405 102 2006 LEN=2282; translated
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QYRLETTTKRSVLCCFRGAVTAAELSDIKPNKQLASFLHWMFRSNFFILFCVMCLCFFGL
IVFFACFI IAASEMNEDCVRAGEKERFYFISRRGDAQLQLFFLNVP IHMNI SFVIGNFCL
SLANFXIHLVGGDPGKTFGDAFTLSWTTTFSTVGYGSLYPALSHENDSPDNCIFITFICSM
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GSEEKIPCPVLEFRIVNRLFDEPGGEIMDASLNVVANINARDADPVLVDALNSSQRSK
LRRYTYRSDDFYGSNSYGHRHLNTSDSLMSDTMSESGRSLDSRRSKKSISFVSSLISR
NHRTVDEDPSSRLVGKRIFSKMYFEQCEHPFFKRVWVGRHILNGESPLVRPRVKRLIRK
DGFWPEKLNLDYTSVRRSLLFNQILVSLNGVSNLNAHEVYAQKIYDFVDMNVGYQFVNTLY
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>comp13566_c0_seq5; 291 1104 2111 LEN=2493; translated
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DGSEEKIPCPVLEFRIVNRLFDEPGGEIMDASLNVVANINARDADPVLVDALNSSQRSK
KLRRYTYRSDDFYGSNSYGHRHLNTSDSLMSDTMSESGRSLDSRRSKKSISFVSSLIS
RNHRTVDEDPSSRLVGKRIFSKMYFEQCEHPFFKRVWVGRHILNGESPLVRPRVKRLIRK
NDGFWPEKLNLDYTSVRRSLLFNQILVSLNGVSNLNAHEVYAQKIYDFVDMNVGYQFVNTL
YKDVDGRLKVDTDLINDVREQYGGGGEPLILEEKS
>comp13566_c0_seq6; 469 102 1859 LEN=2135; translated
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QYRLETTTKRSVLCCFRGAVTAAELSDIKPNKQLASFLHWMFRSNFFILFCVMCLCFFGL
IVFFACFI IAASEMNEDCVRAGGDPGKTFGDAFTLSWTTTFSTVGYGSLYPALSHENDSPD
NCIFITFICSMESFVGVLYSGFCGAILFGKVLRIQSHAQVIFSDAIVIRYGSGLQEKHDD
DHSDDDIGEDGSEEKIPCPVLEFRIVNRLFDEPGGEIMDASLNVVANINARDADPVLV
DALNSSQRSKLRRYTYRSDDFYGSNSYGHRHLNTSDSLMSDTMSESGRSLDSRRSKK
SISFVSSLISR NHRTVDEDPSSRLVGKRIFSKMYFEQCEHPFFKRVWVGRHILNGESPLV

RPRVKRLIRKNDGFWEPEKLNNDYTSVRRSLLFNQILVSLNGVSNLNAHEVYAQKIYDFVDM
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>comp13566_c0_seq1; 113 102 523 LEN=523; translated
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TISTRDNNQKVCLVLRDDSID
>comp13567_c0_seq1; 201 231 731 LEN=1422; translated
MSSPSGSKTIYGVPNNGWTSPEWNWGYASGTGHDCAAICRRKYSARGERSALIDELVSAS
PATDLEEVLKVMALAWQSGRWDGSDGGPGGYGDVLAAMADARRYEDEKTGNLSLLRDMKE
RFGLLNPTNDDRIAMENLTDNGDDVDSALRTCSGLVVKAMGFVESG
>comp13568_c0_seq1; 603 127 1659 LEN=2139; translated
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MVDYAVDTYKSVHGDSAEIPAEMEEQKTQVFKQLEEELESGCKPLTDLNNEEEKTKLVSS
GKWSIAALSQEADLNITPEVLEIYRKTAKQFECGNYQRARDMLENYISLLAKPPGPD
GDEEMDDYKTNKQSSDKKEDVGNPTIYYLKSVDKLLQVLWGRRLACEILVEQWEAASV
ALDAVKAALSLVSSKRMSAIEALSERTWLLHWSLFFVYWNNSAKGGLEQLVELFHTEYK
QAITTNAPHLLRYLTAAVLLCKRRITKAAAGSTAEARRLMKNLINVMQDCDYSDPIVEF
VNCLCVKFDVFESAQIKLQECEKVLADFFLCKQTGLFMEEARVVFVFNENYCRHKNIDLQA
LGKKLAMNEDEAEHWIVDLIRNADLDAKIDSEEGCVVMGGSVQSVYEQVMERTRDLNRS
ATMAQNLNKLVDARKNKAKAEALAREEAE
>comp13569_c0_seq1; 318 1 1224 LEN=1611; translated
XTEWHPLRSHDNETASDSSRLAWQLDETALERGRLVANTSPAKMPTMDHSSMADYANVY
EPSDDTYLLIDALKYDLFSGYSADENDGEVGESEVEIVEKAALIEYHGSAGSNDDNKVV
GNDRSGNEQHRTRIILEETIRKEGCEEVQSKKIALRLEQLKRLERIQLVMEIGTGSVPI
TYLSKRLKREKPRHPHNGDETTTAGEGFSVATDLNSLALEFAERTAKENGVPVPGADD
GKHECQTPKARIRSVFVECDLAEPLLERLGGTADVVLFPNPPYVPTDDSEICNGIEISW
AGGKDGRVIDRALPQIAELLRKPDPGACYMITVDDNLPCELAEMEESHGXEDGTAGAAE
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>comp13570_c0_seq1; 455 180 1670 LEN=1757; translated
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LCGYFLLKPAIVPLFFFVSGYFSAASRIKHGPNKFLKKTFWRLGPPAILWVLPVNSY
LGYALVKPTNMSYSYSPGQAATWFLTWLMVFNCCYASINVDQDGSIGGRKDIPKFMQIMK
VALSASIVQVIVGALVLFNSGGSFAEMPCFLVGDGYFNALGYASGILARTHGWLIRDNS
DESCHDDDDNLVKKSKVCVVVTLFTIAVCFLYAPGAPFSSVGESAMGFLVNNLLLFIP
AALYSPCSWVCLLSFFQSRSLASQQERSSESSSGDTDENNNKRSLFSKFLSGGAFVY
LIHYFVTLTYLYLQILDDETQDIQVQFVNTTSTAEPALGDGNKFAGFAFVSTLSLVTSF
LLGGLLKMIPGLGKFV
>comp13571_c0_seq1; 102 771 1653 LEN=1653; minus strand; translated
MFSGYHGVMVWKRRLFLALFRFVFGGPTTPDPWCVPLAAAPLRCLHALFLDRVPGGQSRD
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GAVVALSVGGIGIVFPRVPGKGVTPRHVLPDQEHVDSAPQPGQRRGRSRNHRGQESASV
AAAPDDLQDHDNGAHDKGDPPHPGHQHGDIYDLCGNDVSVVREADAGRAALASAAAFV
HIDVGVVGVGLSSIRVVAAPHPVVGCVGSFLLCCDVKVERKGTDWVLTSCX
>comp13572_c0_seq1; 641 1 1966 LEN=2136; translated
XDAPKQDDDDAKASKAHPGDGLNPVVEKKGTGPTNVGYVKDFVNERKNPSYRNLETPAK
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GPKSAV
VMTTHCTDPIAHLFPMEVPPITGDHMPPIIKSRADKAIKHGDVEKVECNIPCEIEKGF
LKDRTDSFIHGERWKVSTIQNQNNIKLERNAFRNDHYYSTQSLWSAVPLSTFDEKNLDF
THRTAVDFDAVKDAIYLVDSKCSKTKETKRNRWFVAVQEKMDVDAYGQCGHNI
EVPEGMT
TATPEGRIALMAQYRVLAFAFDEVKAKDHISSMVWEALASGAVPVIIGAENIAERLPPNSF
LNGNNFNAFSDLAEMVVTISSDKAKWQSYQKWRDDKDAIAEFKQYGFTTIDPTCRMCRW
AYAKKYGLGWHTNQKRSIPKLPKDQLCLTADHALVSKPFSEEYVSKNPSSEAEAILT
EDSEGESCSLDTGGDIVSGAFRGRKVVYQHDGVTDLVVTEWSTDAENVETALRLKFP
GVRNP
RNPDGSCFYNTHTLVSTEKGPNISSASIQDDTVKVTILANWDTTIKSTEEGIMEVSI
IQD
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>comp13573_c0_seq1; 290 1 785 LEN=1036; translated
ALAAATDPSQEGGSVDASPPGGSYTVRDCQYRELKQVADLVVESFYDKATTNIVARNLY
KLAELNRLQQNYAYPESRTKHRMLVVVEASERANNAGGDEGAIVGFCDVDARPCRTKLR
LPRPYLSDLAVDPNHRKGLARKLVEESERFVSGLEGNNGNEDENEDQNENDHCWLWIRVE

ATNEAALGLYRDGMGYSRTPWSVTDASLPVDTQARIEAKGSGNAFAGQPSGEPXGLDPEE
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>comp13574_c0_seq1; 489 1 1610 LEN=2011; translated
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RLNRMWHRATYIVIRHDSAGGDGASSSSPDENMDDQFLLVQRRTKIKDYCPGKLDPTPG
GVVGFGESYLLNATREMMEEMNIDLSESGSNEMNELFRFPYEDDKVRVWGGMFEVIYRKP
LEEIKMQPEEVDEVLRLSIREIRTMAVEDPGDWMPDGLHAIRLYLQYRRDHSLKRRLKLG
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KKHGTALKGLLMEGHMEDCEKEIDEYLDKVDHVPVAEHLTIDNELRDMILKIDPSPKYI
FTASVRDHAERCLRALGIEDLFVDI IDVKSCNLATKHSEEAFAALKIANVEDPETVFLFL
DDSVKNIRVARSMGIRSFLVGRVGRDCGQPITTEHAEYEIDRIHDFPKVPEIFER
>comp13575_c0_seq1; 397 293 1610 LEN=3955; minus strand; translated
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LCKRVDVGTLSVSPMGLGTLNPLDKEVDDDANDVLKAAVECDINFVDTAEAVSSCLHYV
GDXDELSRSNSLALVAIRWGKLMFKNIAFLWFQLIDESSTQYGFQKSETLLKNACDGSKL
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KAFGRENRKDELYWEGLAECYQSGLAANVGVSNYGPETLLRAQDALSKKGVPIVSNQINL
SLLHYRSSEKTLKICDELGIKVLAYFPLANGLLAGKYSIDSPPSFPKSLTMKKYYEDAEP
VLVVMRRIAERNKTVAQVA INWVMMKGAIP IPGARNSDMARDNFGSMGWALSPTTEVAEL
EMVASKTGEFSNGGFELV
>comp13575_c0_seq2; 399 722 2084 LEN=4298; translated
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YAVSIKAYIWVLLWFAAVTEIVEYHTFWVQDSNDRVSTQGYVVAFVMILSLCWTNQVLNN
IFHTTIAGVVGTTWFDPEQRIQRRPGHCGCSPAIFDSWFRSSFYSGSICFGSLLVGLIQ
VLHLIVRCGRKNRNEQRLRGRDQPNSTDFLFCLEFLVEKMEFMMEYFNNSWAFVYVGLYG
YDYWSAGKKVTTLFRERGWSVILNDQLVVRSLSMMSLLIGLLAGLFGVVLGFFVLDLTGA
LSSAIAIFFFGAMLGRASCQVLFVVTSVAVDTVVVCFEAESPQLKNHHDPELFRDLVDAW
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>comp13575_c0_seq3; 388 722 2193 LEN=4296; translated
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IFHTTIAGVVGTTWFDPEQRIQRRPGHCGCSPAIFDSWFRSSFYSGSICFGSLLVGLIQ
VLHLIVRCGRKNRNEQRLRGRDQPNSTDFLFCLEFLVEKMEFMMEYFNNSWAFVYVGLYG
YDYWSAGKKVTTLFRERGWSVILNDQLVVRSLSMMSLLIGLLAGLFGVVLGFFVLDLTGA
LSSAIAIFFFGAMLGRASCQVLFVVTSVAVDTVVVCFEAESPQLKNHHDPELFRDLVDAW
RKAYPEEXWVLIHKRKRVALAAKEMTVIIFISNVSLLAWKDHLINNGSTILITYISPHEY
NNYRISNQPQ
>comp13575_c0_seq4; 360 293 1577 LEN=3953; minus strand; translated
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LCKRVDVGTLSVSPMGLGTLNPLDKEVDDDANDVLKAAVECDINFVDTAEAVSSCLHYV
GDXDELSRSNSLALVAIRWGKLMFKNIAFLWFQLIDESSTQYGFQKSETLLKNACDGSKL
TIGSDTGSSGSIAAATKFAPVPWRTESSQTVDACKASASRLGVEQIPLYQIHFPDI IQPL
KAFGRENRKDELYWEGLAECYQSGLAANVGVSNYGPETLLRAQDALSKKGVPIVSNQINL
SLLHYRSSEKTLKICDELGIKVLAYFPLANGLLAGKYSIDSPPSFPKSLTMKKYYEDAEP
VLVVMRRIAERNKTVAQVA INWVMMKGAIP IPGARNSDMARDNFGSMGWALSPTTEVAEK
NSATVCS
>comp13575_c0_seq5; 397 293 1610 LEN=4071; minus strand; translated
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LCKRVDVGTLSVSPMGLGTLNPLDKEVDDDANDVLKAAVECDINFVDTAEAVSSCLHYV
GDXDELSRSNSLALVAIRWGKLMFKNIAFLWFQLIDESSTQYGFQKSETLLKNACDGSKL
TIGSDTGSSGSIAAATKFAPVPWRTESSQTVDACKASASRLGVEQIPLYQIHFPDI IQPL
KAFGRENRKDELYWEGLAECYQSGLAANVGVSNYGPETLLRAQDALSKKGVPIVSNQINL
SLLHYRSSEKTLKICDELGIKVLAYFPLANGLLAGKYSIDSPPSFPKSLTMKKYYEDAEP
VLVVMRRIAERNKTVAQVA INWVMMKGAIP IPGARNSDMARDNFGSMGWALSPTTEVAEL
EMVASKTGEFSNGGFELV
>comp13575_c0_seq6; 499 251 1970 LEN=4184; translated
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DDSNANLEAPIFAGPIEFDESEWDHGEAQPEGFRDCFWGII FLLQLVGVVLVLSVMGIQNM
IKDYSENVDPNIDRKTILFFVTLVGSTMVLSSILINILLGAFASMLIQISLVLPPISL FV
TAVVSLVTFNVPVAFFSFIMSVMIYFAFMVWNKIPFAAANLKIALSAIGDNHGLWILAY
AVSIKAYIWVLLWFAAVTEIVEYHTFWVQDSNDRVSTQGYVVAFVMILSLCWTNQVLNNI
FHTTIAGVVGTTWFDPEQRIQRRPGHCGCSPAIFDSWFRSSFYFSGSICFGSLLVGILQV
LHLIVRCGRKNRNEQRLRGRDQPNTSDFLFCLLEFLVEKMEFMMEYFNNSWAFVYVGLYGY
DYWSAGKKVTTLFRERGW SVILNDQLVVRSLSMMSLLIGLLAGLFGVVLGFFVLDLTGAL
SSAIAIFFFGAMLGRASCQVLFVVTSAVDTVVCFAESPNQLKNHHDPELFRDLVD AWR
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>comp13575_c0_seq7; 397 293 1610 LEN=4414; minus strand; translated
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LCKRVDVGTLSVSPMGLGTLNLPDKEVDDDANDVLKAAVECDINFVDTAEAVSSCLHYV
GDXDELSRSNSLALVAIRWGKLMFKNIAFLWFQLIDESSTQYGF GKSETLLKNACDGSKL
TIGSDTGSSGSI AATKFAPVPWRTE SQTVV DACKASASRLGVEQIPLYQIHF PDI IQPL
KAFGRENRKDELYWEGLAECYQSGLAANVGVSNYGPETLLRAQDALS KKGVP I VSNQINL
SLLHYRSSEKTLKICDELGIKVLAYFPLANGLLAGKYSIDSPPSFPKSLTMKKYEDAE P
VLVVMRRIA AERNKTVAQVA INWVMKGA IPIPGARNSDMARDNFGSMGWALSPTEVAEL
EMVASKTGEFSNGGFELV

>comp13575_c0_seq8; 363 463 1741 LEN=3837; translated
MVLSSILINILLGAFASMLIQISLVLPPISL FVTAVVSLVTFNVPVAFFSFIMSVMIYF
AFMVWNKIPFAAANLKIALSAIGDNHGLWILAYAVSIKAYIWVLLWFAAVTEIVEYHTFW
VQDSNDRVSTQGYVVAFVMILSLCWTNQVLNNIFHTTIAGVVGTTWFDPEQRIQRRPGHC
GCSPAIFDSWFRSSFYFSGSICFGSLLVGILQV LHLIVRCGRKNRNEQRLRGRDQPNTSD
FLFCLLEFLVEKMEFMMEYFNNSWAFVYVGLYGYDYWSAGKKVTTLFRERGW SVILNDQLV
VRSLSMMSLLIGLLAGLFGVVLGFFVLDLTGALSSAIAIFFFGAMLGRASCQVLFVVTSA
VDTVVCFAESPNQLKNHHDPELFRDLVD AWRKAYPEDVGSQEEGSI SGEEDDEYQI
SHSNC

>comp13575_c0_seq9; 399 722 2084 LEN=4180; translated
MIKDYSENVDPNIDRKTILFFVTLVGSTMVLSSILINILLGAFASMLIQISLVLPPISL F
VTAVVSLVTFNVPVAFFSFIMSVMIYFAFMVWNKIPFAAANLKIALSAIGDNHGLWILA
YAVSIKAYIWVLLWFAAVTEIVEYHTFWVQDSNDRVSTQGYVVAFVMILSLCWTNQVLNNI
IFHTTIAGVVGTTWFDPEQRIQRRPGHCGCSPAIFDSWFRSSFYFSGSICFGSLLVGILQ
VLHLIVRCGRKNRNEQRLRGRDQPNTSDFLFCLLEFLVEKMEFMMEYFNNSWAFVYVGLYGY
YDYWSAGKKVTTLFRERGW SVILNDQLVVRSLSMMSLLIGLLAGLFGVVLGFFVLDLTGA
LSSAIAIFFFGAMLGRASCQVLFVVTSAVDTVVCFAESPNQLKNHHDPELFRDLVD A
WRKAYPEDVGSQEEGSI SGEEDDEYQISHSNC

>comp13575_c0_seq10; 499 251 1970 LEN=4066; translated
MGGPVEPMTTDTVFATAVTEATGDSTNAVEDGLDSLQEP LLPQVVS LDENTEDIPDALPV
DDSNANLEAPIFAGPIEFDESEWDHGEAQPEGFRDCFWGII FLLQLVGVVLVLSVMGIQNM
IKDYSENVDPNIDRKTILFFVTLVGSTMVLSSILINILLGAFASMLIQISLVLPPISL FV
TAVVSLVTFNVPVAFFSFIMSVMIYFAFMVWNKIPFAAANLKIALSAIGDNHGLWILAY
AVSIKAYIWVLLWFAAVTEIVEYHTFWVQDSNDRVSTQGYVVAFVMILSLCWTNQVLNNI
FHTTIAGVVGTTWFDPEQRIQRRPGHCGCSPAIFDSWFRSSFYFSGSICFGSLLVGILQV
LHLIVRCGRKNRNEQRLRGRDQPNTSDFLFCLLEFLVEKMEFMMEYFNNSWAFVYVGLYGY
DYWSAGKKVTTLFRERGW SVILNDQLVVRSLSMMSLLIGLLAGLFGVVLGFFVLDLTGAL
SSAIAIFFFGAMLGRASCQVLFVVTSAVDTVVCFAESPNQLKNHHDPELFRDLVD AWR
KAYPEDVGSQEEGSI SGEEDDEYQISHSNC

>comp13575_c0_seq11; 488 251 2079 LEN=4182; translated
MGGPVEPMTTDTVFATAVTEATGDSTNAVEDGLDSLQEP LLPQVVS LDENTEDIPDALPV
DDSNANLEAPIFAGPIEFDESEWDHGEAQPEGFRDCFWGII FLLQLVGVVLVLSVMGIQNM
IKDYSENVDPNIDRKTILFFVTLVGSTMVLSSILINILLGAFASMLIQISLVLPPISL FV
TAVVSLVTFNVPVAFFSFIMSVMIYFAFMVWNKIPFAAANLKIALSAIGDNHGLWILAY
AVSIKAYIWVLLWFAAVTEIVEYHTFWVQDSNDRVSTQGYVVAFVMILSLCWTNQVLNNI
FHTTIAGVVGTTWFDPEQRIQRRPGHCGCSPAIFDSWFRSSFYFSGSICFGSLLVGILQV
LHLIVRCGRKNRNEQRLRGRDQPNTSDFLFCLLEFLVEKMEFMMEYFNNSWAFVYVGLYGY
DYWSAGKKVTTLFRERGW SVILNDQLVVRSLSMMSLLIGLLAGLFGVVLGFFVLDLTGAL
SSAIAIFFFGAMLGRASCQVLFVVTSAVDTVVCFAESPNQLKNHHDPELFRDLVD AWR
KAYPEEXWVLIHKRKVALAAKEMTVI IFISNV SLLAWKDHLINNGSTILITYISPFHEY N
NYRISNQPPQ

>comp13575_c0_seq12; 488 251 2079 LEN=4300; translated

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IKDYSENVDPNIDRKTILFFVTLVGSTMVLSILINILLGAFASMLIQISLVLPPIISLFV
TAVVSLVTFNVPVAFFSFIMSVMIYFAFMVWNKIPFAANLKI ALSAIGDNHGLWILAY
AVSIKAYIWVLLWFAAVTEIVEYHTFWVQDSNDRVSTQGYVVAFVMILSLCWTNQVLNNI
FHTTIAGVVGTTWFDPEQRIQRRPGHCGCSPAIFDSWFRSSFY SFGSICFGSLLVGLQV
LHLIVRCGRKNRNEQRLRGRDQPN TSDFLFCLLEFLVEKMEFMM EYFN S WAFVYVGLYGY
DYWSAGKKVTTLFRERGWSVILNDQLVVRSLSMMSLLIGLLAGLFGVVLGFFVLDLTGAL
SSAIAIFFFGAMLGRASCQVLFVVTS AVDTVVVCF AESPNQLKNHHDPELFRDLVD AWR
KAYPEEXWVLIHKRKVALAAKEMTVIIFISNV SLLAWKDHLINNGSTILIT YI SPFH EYN
NYRISNQ PQ

>comp13576_c0_seq1; 664 313 2034 LEN=2156; translated
MASTPPIVKRREHEENSTPADLEDASANRKL PFEPKVDGKPTSKCPKQQSSSKLALIPMR
SVAFSKNAKQQQQPLEAKQFP IVLGRANLSQWYQSCDCQQYYCRLHCRPVAQNIGSLS
KVMIQIDTKGTAHIVGKNPHLVTIITPERGNNNY NKSSSNDAKCAAGTDQECNDNSQSN
KDDHHQPIALRPNDILSIGRRDREPWMRFQIVENNFSTSGAGGLTKSSLMNHTNTKSDDS
KNEHLKPINDITVEVPTKGASPEAWRQTQLSRNDHQAENPPQSLAVAAPVPNTSVQERSV
HHDSQLPEWITTTTTTSTGQKKRKKASSGYQNYGITDSKQQQHHAMAATLTKAAVAAGA
AADADERNRSKKNRYNTYYNYNHGN YDVFNAQRRRRYSSSSLAPYGLSSHNNK PVI
RSAEELYNRGTSRRGRLQGHNDPQIHLVFDYETSARLLRAGTRRGRIEMRPSKETNR
DCNYNNDGGNTPPSGGEHLCSRKIRRFARTDRNF IGKPREESKSSSASAPNASSTTYGKS
MGLLSQNYVAALLDESTPAVSGSTKQRVDESTV

>comp13577_c0_seq1; 176 222 1484 LEN=1827; translated
MGRWEVARVGS DSGNGDDGALPYAIVDSLEPLTGEVYFEVNKDNFEDTDP I IYVEVFAR
VSEGAPCHTGYLVEGSHRFTITTFGEFYDDYAYPKYSNGRVGRAMYTISPSPFDMGERQR
IFFEKDERRQLLYCVRVSTKVD FMGDSELD PVGYIDTFMKVNVQMVGKFSTTLSTDVEVD
SSDSSNAQTSILARIPLASYLCDSERNPILEGTKYIMGQVFRYVRERDRGSKIRACRILS
YSSRMLASC SFFPDPLFFPSFFFLWPLPCFAYETFRVCVTPAENLSDNRRSLQEGDIEYS
VVGFD SIHCSNNGVYRELVEKELPGTRTTVDPVPDAIGSLSFASVVDSEFFVEGESSFWC
DGRVKIRYNGDTIGMRSRFLREDGDEYGTFDLELEIDQDPLGSPPARPLTLWEMVLGN

>comp13577_c0_seq2; 186 222 1322 LEN=1665; translated
MGRWEVARVGS DSGNGDDGALPYAIVDSLEPLTGEVYFEVNKDNFEDTDP I IYVEVFAR
VSEGAPCHTGYLVEGSHRFTITTFGEFYDDYAYPKYSNGRVGRAMYTISPSPFDMGERQR
IFFEKDERRQLLYCVRVSTKVD FMGDSELD PVGYIDTFMKVNVQMVGKFSTTLSTDVEVD
SSDSSNAQTSILARIPLASYLCDSERNPILEGTKYIMGQVFRVCVTPAENLSDNRRSLQE
GDIEYSVVGFD SIHCSNNGVYRELVEKELPGTRTTVDPVPDAIGSLSFASVVDSEFFVEG
ESSFWCDGRVKIRYNGDTIGMRSRFLREDGDEYGTFDLELEIDQDPLGSPPARPLTLWE
MVLGN

>comp13578_c0_seq1; 347 91 654 LEN=1474; translated
MKLFIYFILAI FIGPKEASAFVVS NANNAFASSSESQAMP AVNIVLRMVGGRGWDNDDFL
SSLSGDEDERKKSREDYDDFSDRRASFNARQAEIMKSPQAQAFMKQRQEQQMRYLEEEQG
QGDLSGDGTF LGVDVPEGSGGGTRMGRMMEQAKRMQGQRGQSNMIGGLHHQQLLGPLDED
DDEEKEV

>comp13579_c0_seq1; 923 197 2518 LEN=2560; translated
MACCSTAFVPVAPSRFRGRVHRILDPTNASPTTNAVSGT PRTRTGMVSGSTSDGCGDLEM
ETETATAIAKQWIRDFSGALSEGRIDDAVDL FVEDPGEESPDPGATPKKFP AFWRDMVAY
TWNIVTLEGRSTIRDMLRETLHDTETIGNGGDKRTTWKLANPRPSGRDPFPPLKVSIVP
ASDHEDPAESSTCEFWCDIETAAGTGYAHVRLDLRTRKATLLTTL LLDLHDKPFQTHRKR
SRGPIPGPVKGRDYFKDTREQRAQAAGAGNDDEEGEYHVAIIGAGQAGLSLAARLEAM
DVPYVLF EAGDSPGSSWRNARYPSLHLHDPVWYQHMPYMEFPKTWPIFAPKDKLADWLDA
YASLLDLNIRTNRTVQTATQDWDGSDGKKGWRLETVSRSEKDDRRREHQQQRRATVHAE
HVVFATGNSSRPKIPDFPGASSVFRGTQLHTSQYNGGKPFAGKRVVVVGSNNSGFDVQCQD
LWEQAGSVTMIQRTGSMIVSSKSVLDYGLFLFNEDPQYHHEADLLLLTTTPYRMLAEGG
AWKSVTNKMKDND AELIARVEAAGYKFDYGYDGTGLFAKSATEGGGFYIDVGC AELLARK
EVLVRNADVERLEPDAVVI FNKDRREERLPAEVVVYATGFDTMESYVEQICGQDVVDKV
GKIWGLGLNYKPEKDPGPWTGELRNMWKPTNVDGLWFGGNLAQCRHYSKFLALQLAARY
LCELGEGDGN TGGQTKRSNEGAVVSPRVYGI PPPAFTQKLPKKDGTASVASSI

>comp13580_c0_seq1; 381 528 1388 LEN=1553; translated
MATDGAVARVEGDDND EVLVNALRAVSIAPAVGDGSTSGGKETENPILVLDAGYGFPRE
KKVRKEKINAIACQIANFLVWQIGAADAGDCAAVKVVGCPEDEDTRV LLENRTIDRMKRAG

PPRAKYNMDQLGPPDFTFLGQRYRRDDVELLSSNVATNEPVEGEKTNAEGGATPTCSFLK
MQASIWTRVGEQGDPPYSSCNHRGTQASGENGEEDPSESDGPPSPGKKRTMVVYLHGNA
SARVEVVPNLSFLLGQVGVFVGVDFVTGSGKSDGDYVSLGYYERVDLECLIQYLKSVYG
GPDGDDLELILWGRSMGASTALMHAGKKSFTATKHSRNHSNRDSDSTDEEDIVHDLRK
KSSFGSMEDDIVTNSAQPSKNNNSILKGLICDSPFASLLHLCEELVERARAQGVVVPVGVV
ISVAIAMIASVRNLAGFNIREITPIEDVFNIDVPALFVVGADDDFITPQHSERLVESYK
QGVTTNLFMVPGGHNDARPPIVFEGILEFCRQRLSLGESPAPEVPPQMLSSIHQNPPWAY
HRTVHFQAHSTREHNNTQFHRTNGNAAQDAAEHLGMTQERQDDIQNKIGLMMGGQGDVEK
LRYSSDEENA

>comp13587_c0_seq2; 95 342 494 LEN=572; translated

MSNDGVQAPRRRISRNSSRSRSDGSMEQQAPRIGLGARISQNIEMAKKG

>comp13587_c0_seq3; 423 266 1717 LEN=2176; translated

MDQLGPPDFTFLGQRYRRDDVELLSSNVATNEPVEGEKTNAEGGATPTCSFLKMQASIWT
RVGEQGDPPYSSCNHRGTQASGENGEEDPSESDGPPSPGKKRTMVVYLHGNASARVEV
PNLSFLLGQVGVFVGVDFVTGSGKSDGDYVSLGYYERVDLECLIQYLKSVYGGPDGDDL
ELILWGRSMGASTALMHAGKKSFTATKHSRNHSNRDSDSTDEEDIVHDLRKKSSFGSM
EDDIVTNSAQPSKNNNSILKGLICDSPFASLLHLCEELVERARAQGVVVPVGVVISVAIAM
IASVRNLAGFNIREITPIEDVFNIDVPALFVVGADDDFITPQHSERLVESYKQGVTTNLF
MVPGGHNDARPPIVFEGILEFCRQRLSLGESPAPEVPPQMLSSIHQNPPWAYHRTVHFQ
AHSTREHNNTQFHRTNGNAAQDAAEHLGMTQERQDDIQNKIGLMMGGQGDVEKLRYSSE
ENA

>comp13588_c0_seq1; 369 1 1278 LEN=1461; translated

XYMPNLGLHGKEVKLKQKTTLENKSEAMEFLEDVPSPTKEEVENVPSNRQYSTSYQKQ
GKKQDSGKNNNDNSDDIDNSIDKHKNNSRRRPPQNKKPAARNNSSSSRKVKDQTKTPS
AVRKPDENLCADVAPDPRGDDPEHRMTKKSAGRNTESFDPGSTLVRPALRVKVGSPLSKC
YNRFPPLRHDDVIVPEMFPEEDWKLYYQLVEEMTELQQQNVKGTIEWISWHEGAHLVAKN
PSGSKTFQLIIDYLCDFRIEKKSIGTRFNWYKDSWDKPFHHSAAFNPSRAKTQNIIV
GVSFGDCRELAFLRADDQSDCRLYFPQPNNGVFSFGRDVNIHWKHGINALSVEEQEAHGI
NKGRISIIWGLATSVMEEDNSPPLLGDGKGPAAKNNHKYHGNNRNRGGRNKPQQKKT
NGKTN

>comp13589_c0_seq1; 506 1 2158 LEN=3216; translated

DGENNDDDDSPSTSIRCIIRSTDPKSRNTDTGASTSVVIVVIGKSVRPRPLFALYLF
SKNYADCNTTATDGVVIAVDDEKFISSGDSHGDSKTRGKIESESNPRVPRTATRNRSKKIKT
ENNRELSQDLIEDRLLRSWINHSHADYHNFTEDRAAEIRSALLDWYSIHRRKLPWRGD
PPPFDGSTSGINCNNKRSRGNANTTAATVNTTKKTRKANHDDRQKSIKHFFAKIKREKT
QSGLKEIENDTEPSKDSLLEVPQAIPVTGYGVVWSEIMLQQTRVEAIVPFWINWMKSF
TVYDLAAATEDEVNAHWAGLGFYRRARYLHQGAKFVVQELNGELPRTPKELSKIIGIGPY
TASAIASIAFGVCVPPVDGNVCRVLSRLTGIANHIKNPILKDKLGWKLATQIVEAGDGSS
PGLVNQALMELGATYCAPAGSGVDPRDPLRDYLLSTRLGRAYLAAVQDGTINGYEFRLS
APENHCVLCNIDGIQTILOKFKESITANGMTTEQAAMVGHAAPADPPKKDKREEDLAVV
VLFHHCETEGVNDCASIRYLMVKRPKEGLLAGQWEFNPVCIQTRKRDKKKNGITKNEPTT
KIPKRAEREQALTKFLVDDLLLDYPNDEVATAVSNVSRIDFVANKQPMEHIFSHVKHYMW
VEVGQLTEVCLEECDLEWRSPSGKDVRWMSKSDMAEVGITSVKKVLQAVEKASRPDC

>comp13590_c0_seq1; 343 216 1298 LEN=1877; translated

MAPLNPEMLPDDHCHVGDLSPEMPLLPITSDQTVRACRALKTSPSRDVFICSYPKSGTTW
TQNIIVRLLWEIANAGRPLPEDWHLSSHAPFYEVDQYWKPIQPQNGSDNIDPAEQVMER
LPVTRPIRHDGGRETDDDEYRVFNTHLRPNQLPANAKRVYVVRDPLDVMISFYHHLNQS
VEDGGYTGTFGEFCEEFMGTILYKWKQDHI EAWLGEQPTSAEATRNFLLHLYEDMKND
LEKETKRIAKFLLDNNSVSDHYLDKVVSRVPHCTFHAMKQERHRYTPLTVSWKTNPE
TGKPYDKFVRSRVDGDECLQKNDSTSELDRWINRDVVIARARWLKAKVDAGVVERYL

>comp13591_c0_seq1; 171 1 927 LEN=1607; translated

XNNNKNKIKNNNQNNNSIEPGRNPYFVHEPSFTNQTLVNIKMWHSQDRVWNLMEEES
SSRSLGKPFYGRVAMLRDLVYVYTPIDIYKIPLDPIPEDYNEDYMVGLKFPVKYQRKHKG
KTIEHASAWKDPRFGHHCVLPGFKSFPVNDRYFSGPYSXDGGLEGGLFEGKEPRVLRPA
GARAGAAGGPEGESGAPGGGDHLSERPLTDYGLHDERFVAHTILPAIRGLASGESDA
DTNAGPMAIQVDRGLYFCRVRADGSIWLRDKPGFGRVEKSILEESALGRKCTGEPFEVDDG
VLGEKSPGRW

>comp13591_c0_seq2; 45 1 318 LEN=998; translated

GGDHLSESRPLTDYGLHDERFVAHTILPAIRGLASGESDAGPMAIQVDRGLYFCRVRADG
SIWLRDKPGFGRVEKSILEESALGRKCTGEPFEVDDGVLGEKSPGRW

>comp13592_c0_seq1; 599 234 1882 LEN=1922; translated
MSSPSHIPRQAAEWIAHFYFPMRRYNPDFVDRLEENLGLKIKELKPLQARLYSMDAVRS
EGGIEKCRLLSSAKKQQRVDFIRRAFFRDRACAIVNHRLMEDLRTEMSRSTDTLSAAANP
CGANGYASAASAAHDPYATARSPPSGSRKRPNHQISSQASAALLRLQQYQQQRQQRPGGLP
PNATGPNPEAEGADFFSSFFVHFVGDRRGVAAVQGSRVNTSTSSNPSSNHPNINVGSINNN
THWATSTNSINNXPSNNNNNNNRNGSSSNTTTTTPPTAQSPATPAAPSSLDGTRLQAQPSQ
NQNPPTAQVQVSSQNCASLQTGLQQQQQQQPHVAPPSTDNQGTVTYSTASGTTPTLEQQ
RQQQVVQQLRQQYLQRQSQPIVPDSPLQQHQQQPHRLIPERTRLGYSTAPAVSETKGGQD
QTNTSVGGPFAVALAAALSSMRNGTPVDSSRQEQEKQEEEQASPLISRGGTAPGAPAGTS
VASAFLHASRTLAAATGETPAPVHSSIHATTNSDPSNSNTTQRLNSESAAATAPESVPV
SSSSTNNK

>comp13593_c0_seq1; 456 147 1650 LEN=1650; translated
MLFRIDVFPSSAKGGNGSSDGSTRPSQTLYCSPSTVANRLKGGNIDGGSNGKNNSDVVS
GGLVVKIGRKGVDVDFLFGTDRSISREHAVLRLVGLPTNQKPNTPGAGKSRTSPRRSRRRTD
STASVNDNNETVEQGGENSGWCVEPRNEHEAVACRNSPFKMCLVLENKKGKSGSYVASEDT
SIDLDNENQNDNGDNAGGDGHDSDATTDGEDGGIGTYQNSQQQASHYGLATSVATQTGEI
LASRNTMLHSTNPPSQGLPSLSAAIQHHFGSGTPIKLTCLDPGESQVLSFDGSEAVATK
SKINSNRPHDDKAHRRDRSVLVQFGIAQLPTIQVTHIPMTAVFSSGIQASIKDSFRLCGG
LVQETGTLPRRHSHEQTTTTTGNTHLITNSRAAVAKQLIAWCYEIPIVSPFVVMALGSH
ASLKDPFPVPGDFPPVATDTSSFWESKPSQGLLSGYVVLSTDPCEAEALVEASGAKLEI
IYDEQKRQKHTKASVGAFLHX

>comp13593_c0_seq2; 230 1 779 LEN=779; translated
XVAAFLEHAEGLLKGNRAVLLAPMSKSKLSNANTVLLVKTLELDGIPTVTAKMLAKTI
SKQESSIVGLQPPVGNHEKASRPSLKETSSRPSLTCDTTETRRRELESQTHHRGSQKRAW
EESSTAGDLSSLYPDRHEESGFDLNSNGINEETTPERSSSQSQKRRMEQAMQPPLAEAT
KTITADTASESSPTQLGGADANGWFRPAPRDDHRSRWWKRASEAYRIKTGAGLERSAST
DIELLSVPAANPGVTAVNRAX

>comp13593_c0_seq3; 183 1467 2177 LEN=2408; translated
MKSPGDLLPSDITVFERRIFLSNIIISGAASGVGAGAMSSLLTGRAPVASAATTDVIAPG
TIKVTPIAHTFITSSSMKPIRENDATRLFTNARVVYIFEGENQESSGSLQDVVDLTKT
RKAERGAGVTPGEVQLLLLQSKGKPVGSELANQVAGKARAMPDGDVLLVGPISGGTAAD
GKILADTAAALDTFVGCRRKGVVSVLLNGPKENLKLIVESGFASDLLWYGLPSKN

>comp13593_c0_seq4; 684 147 2398 LEN=2398; translated
MLFRIDVFPSSAKGGNGSSDGSTRPSQTLYCSPSTVANRLKGGNIDGGSNGKNNSDVVS
GGLVVKIGRKGVDVDFLFGTDRSISREHAVLRLVGLPTNQKPNTPGAGKSRTSPRRSRRRTD
STASVNDNNETVEQGGENSGWCVEPRNEHEAVACRNSPFKMCLVLENKKGKSGSYVASEDT
SIDLDNENQNDNGDNAGGDGHDSDATTDGEDGGIGTYQNSQQQASHYGLATSVATQTGEI
LASRNTMLHSTNPPSQGLPSLSAAIQHHFGSGTPIKLTCLDPGESQVLSFDGSEAVATK
SKINSNRPHDDKAHRRDRSVLVQFGIAQLPTIQVTHIPMTAVFSSGIQASIKDSFRLCGG
LVQETGTLPRRHSHEQTTTTTGNTHLITNSRAAVAKQLIAWCYEIPIVSPFVVMALGSH
ASLKDPFPVPGDFPPVATDTSSFWESKPSQGLLSGYVVLSTDPCEAEALVEASGAKLEI
IYDEQKRQKHTKASVAAFLEHAEGLLKGNRAVLLAPMSKSKLSNANTVLLVKTLELDG
IPTVTAKMLAKTISKQESSIVGLQPPVGNHEKASRPSLKETSSRPSLTCDTTETRRRELE
SQTHHRGSQKRAWEESSSTAGDLSSLYPDRHEESGFDLNSNGINEETTPERSSSQSQKRR
MEQAMQPPLAEATKTITADTASESSPTQLGGADANGWFRPAPRDDHRSRWWKRASEAYR
IKTGAGLERSASTDIELLSVPAANPGVTAVX

>comp13594_c0_seq1; 372 176 2050 LEN=2050; translated
MPNVPGLFAFLTAITVGNLLHAAASAIRQGKSNEFRRHLVEDGTECIVYQKHTEFEDPLR
NNESWGCEFSRDQAKRFVHDIIDIEGVSNDYFESRHIVSGEAVFSAGAIIEESMINNY
AKLVVSNETMVRLLKPLAQDDPRHQHQRRRLRRNLGSSTPGIFRTLTVVKVIDGENKAVDASL
SELNGRVFTDFANLKTQYEACSKGQMIIEPADVGNISGIVEVRI SARMSSDGITSVQNEAV
DKAEELYGGSAGLKETFDVFMFCQPPGSPEPWIAAFINHWASFYNGDWCKQMSAQVHEV
GHNLGLGHSGKDGNEYADTSDLMGYSYDLDDGPYMCFNAAKNYQLQWYAAQQDSIDPLDF
AGDSKSFVLNGIDDYKKNPELITLRLREQHGDKKIDYIYGNRASGPNRGTSEANQVV
IFEKTGSGPYGAKSSRIADLVVGDTHMIENFKDTIYNVGI RWDLSLSEDLKDATITVSTS
DAWPTSAPTTSCGENSAGRFRLLKKTVDVYGETTWELRERNSGQVLEKSTEAYDSHQY
VPEEGSICLEVGGCYEFQIFDSFGDGMCCDNGDGYRGLLEQKIFEGGDFGSNEKVRFC
VKDKVLQFPPTAFPTGSPTTGPTTG

>comp13595_c0_seq1; 174 208 483 LEN=1345; translated
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RVSKSFRLVTTNETAEDSKGGVNETICNLKV
>comp13595_c0_seq2; 203 208 588 LEN=1131; translated
MEVESSETTGNETSVCASGAASSATANRKHACEIEVTFPTNLHAQQALNILQVDREPTD
RVSKSFRLVTTNETAEDSKGGVNETICNLKVRVESKELKMRVAVSSFYDYLTVFLKTVQ
EFDLAL
>comp13596_c0_seq1; 613 183 1781 LEN=1921; translated
MECHFLEKRVDRSGGGFSSSLHETTTALTIVPRMGSSAGGRRQQRTRHALGKSGKDSDDL
PLSSRSPPRRSHRSRCFRHSWLLFAVFLLSNNSLATTMAADTFRTERTDAAEERNAYESSK
HRDKASRAKVANS GGKIKLKRIRKFIHSTAAEEHRTPLPTTTTTTTPRLSSKRTRINHGD
LNSDCEEIKNTIEVNPAGASSRKNIDAFHSYLLPANALPFLKRGLLFLSLTSLALLERN
PSPIALTKISTIDDGVARLGSSLPLLMSPTFFFESAARQLGKLRFLDWAKIWSIPNEIL
PSLTSALIFAWVPSLVMHQAWWELGFLTSLTSQPSLRQYFVAQVVPVSMGATLQKLVWSE
FWKRAWDFMLEPFSHMLMPQVFHPLSFSSSQEGGEPKDTQTQSQRFSHFWKRVVSRID
TWTKSSMKALLQKNVQGSINGLAEDSWEALVSAVASSVELSLFYAKDDATVHLHELPAST
ADASGTGEDEAQMVELESDDASAREQDTAAPATCETAVDNDSDSTIGSSER
>comp13597_c0_seq1; 502 313 1586 LEN=1882; translated
MKYDTIASPPRPLLCTESTDGGGCAGRPLPCKPRETIVPEGNGGTSWGTRKDDASLDYGH
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MSFADSEDEETPLPGEPESSREEEQQQQEEADAESSPETNPEAGCESGVEKGRRKSG
IWNHVVRDFDRSRGGDFKILRAIGRTAAVNAVVSATALVGGPVAGVAGYATGGAITAKRL
FGDGIAREDHKEIAKSLAVFGGATTASLTGQAIAGAAMI GLVGASLPVAGAVAFSAGCVS
GITAGALSEWGDVGMGEGREKQAAGSGSDPKGGKIDSGGNAETKHGLAGVVGAWVDRQ
RQRRESRV DREAARIKKLV DQQTSAASEXQQTRMARERIDRRQALSGLGGVLIVGKYS
DSVWV
>comp13598_c0_seq1; 195 1 1203 LEN=1494; translated
EPSNDVIDLSQSFNGI V PYSAVIAIEQDDMEAMRQQARSPDDKEGSSAAGHRTRTRHYI
RRILRMAASKEELENEGEHAGSMGR LPIAVGLSLLLGG LVRPMDVALVACWTAYLTILNM
TAQSPRDLGGAPVLPVAVPPQGHVPSVLSNPMGVRFGESALYRRWLALGAWLGLLGP IAWL
LVATAVLP SLGPGRAGVGLGDARAVARPLFLLCCQATTEAVAKRNLVSDATR RNAGNRAS
LWHGGARRPDKQNNPRACASIRDRKRTLVAEFGGKPRCGLDRNRNF SHRVCVFSLSL
QIALPLRVLPILYNASRLIYLWSWATSTAATTTAVSRVGRCLGIANFAYWGINLFAFLI
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>comp13598_c0_seq2; 194 1 978 LEN=1269; translated
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LVATAVLP SLGPGRAGVGLGDARAVARPLFLLCCQATTEAVAKRNLIALPLRVLP ILYN
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>comp13598_c0_seq3; 167 1 690 LEN=690; translated
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KRGVAARYGHASAILAGNKKSTGT FHTNCIHAYAYENL CENLCEHPPLVPVAAAATNNV
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>comp13599_c0_seq1; 377 1 2112 LEN=2214; translated
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SESQSPPLSQIESLRS LAKSLNFFGNKPSLDNASKAPERVSDDTMQNQPLQKQIYAKS
LAAGLAVSLAMIPEAISFSYVAGVSPVGLWTTVLLGFVAAAFGGRP GICSSASGASV
VAPLCASMGAPYLSVCAVLTGILQIVFRKMGK F IRLVPHPVMLGFVNGLTVVMARACLGH
FRDAGGAF LSLSSAEGRS M IGLSALTAALVRGIPKLPALASIPPTLGAVTVCSILQKILK
LPGVKTLADVSGADTFRGGWSVLPKFSLWPSVPPF SLET LKIVL PYAVTMAAVGAI ESLL
TMQLIDGIMEDGSSSTEQECTGQGLGNIAAGLTGGIGGCALLGQSI INVESSGSSR LSG
MSVSI FLALGILAGAPLLANIP I AALVGV MFTVCQSTFSWSSLRILHKIPRLDV FVIFLV
SFVTIRADLAKAVVAGTVASALGFAWKQSTEIVATVTEGKDSKGN NKKSKKSTTR LKSY
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>comp13601_c0_seq1; 610 23 2641 LEN=2641; translated
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>comp13601_c0_seq2; 610 46 2664 LEN=2664; translated
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HLPKWIARGSKTSETDLPVECCTTAKGLSILFQANAQQMAVATVLIKPGTPNYGLLAKL
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>comp13602_c0_seq1; 496 25 1472 LEN=1652; translated
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EVELGGEFVAAYQYWKNTVPRDFGNFRRVERKKMSXMILGDRPVSLTLTRGWESLRVWGK
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R

>comp13603_c0_seq1; 628 859 2805 LEN=2954; translated
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PEITQIFSSSTVLQFLKKYSLLDIKTGTVDVIDVEVVGQGEFGNSTGLD SHIDGMHIYFE
TIIAITGNDNVLDPLWIETIFKTNRNAFYLMLESNKFFAALSVEGHITQEKEVESLRA
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ISSETSTKSNKRRRTDHMTHVHDGSNSIVSNQRDEAKSRHVSKRNVFHSRKHLLTQPS
ASGPFACKKDILKDLGDESLAGLRLLRNQSDSSSTYEYSKEYVGNKQEDLNIDTDTNEFD
DIPPGQHARTRWQKPNQDNQIDGAKGGTSLETILKATSSFNTEEDGGCQNEVLGVEVVS
GDYESQGENVLPTT SIMKRISGLFSGKRNKQYVGHLEPVRIMEEGESVLSYSPSTPARSID
DVSNPFLQLSIGDMSNEGADLSISTNDALPAGDKYNNPTDRSSAFSPPIIFSPKPLSVDT
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>comp13603_c0_seq2; 636 859 2688 LEN=2837; translated
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KEYVGNKQEDLNIDTDTNEFDIPPGQHARTRWQKPNQDNQIDGAKGGTSLETILKATSS
FNTEEDGGCQNEVLGVEVVS GDYESQGENVLPTT SIMKRISGLFSGKRNKQYVGHLEP

RIMEEGESVLSYPSTPARSIDDVSNPFLQLSIGDMSNEGADLSISTNDALPAGDKYNNPT
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GISKRIQYD
>comp13604_c0_seq1; 556 298 2888 LEN=2925; translated
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VCGCI IHTLPQIVNYATKSISMDDDGIRFWTFGDGFATKQLLFTGTLTIVFSTFFLTTL
KCFRKSTTGFRWFVFFHMGGLALVYPLLIHVHTYRGHPLFFYVSLPLFIYLFXLFMRRN
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HGAPAMNYFEYKHIVVIGSGVGVTPLLSIWKYLMKGRMTCQESPRKFNRRREPRPSLIEA
LNGSTLQNKGAIGYGENSLGLGNSIRGLMGKSCPDPWEAEDVLKANKIRTFCLHLEKLL
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SWYFRLLKCWLECSI IIVDSFALWLSIYSLTSEKGENLRIMDTAYLVVFGLVVALHAMRV
FHTYHLILKPHDSSNDRKKALTRGDSNSVRFSTSDAKTSNSDVNEIRSIDGILINRMYSN
MRFASRCLLPNIMEFGLSDVFSLEFYGTREKNNKASERTLIKKMMASRGRGIDVESSMAV
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>comp13604_c0_seq2; 556 140 2730 LEN=2767; translated
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VCGCI IHTLPQIVNYATKSISMDDDGIRFWTFGDGFATKQLLFTGTLTIVFSTFFLTTL
KCFRKSTTGFRWFVFFHMGGLALVYPLLIHVHTYRGHPLFFYVSLPLFIYLFXLFMRRN
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ESMTFSLILFVLFISGEAVSIALQLFRFDTAANVLGAVLSLIALVHVGITVIVSTIALGY
SWYFRLLKCWLECSI IIVDSFALWLSIYSLTSEKGENLRIMDTAYLVVFGLVVALHAMRV
FHTYHLILKPHDSSNDRKKALTRGDSNSVRFSTSDAKTSNSDVNEIRSIDGILINRMYSN
MRFASRCLLPNIMEFGLSDVFSLEFYGTREKNNKASERTLIKKMMASRGRGIDVESSMAV
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>comp13606_c0_seq1; 236 1956 2618 LEN=2814; translated
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RMAEEEFVKKKNKNI GRKVSLLDNKAGNFNTIRRRRRKK
>comp13606_c0_seq2; 236 1724 2386 LEN=2582; translated
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VENGSTLWTDEEFKAWYYEETGHADLNFRMDMKTRKEVIDVHNQQAQGGGLDRGGMWEMAR
RMAEEEFVKKKNKNI GRKVSLLDNKAGNFNTIRRRRRKK
>comp13607_c0_seq1; 285 1249 1710 LEN=1710; minus strand; translated
MIQQPNEISATPPTVAINDSSRIGKRRLSFGVSCDDSEAMIITKQRKLDALSIDDTFEAL
DIESSHKVVSPHESMPTSEQEEIFEWMESVINGAVSENATGMPEAASSSTTTQMNENNV
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>comp13608_c0_seq1; 286 164 739 LEN=961; translated
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TGKAFGSATFLW
>comp13608_c0_seq2; 282 22 597 LEN=819; translated
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TGKAFGSATFLW
>comp13609_c0_seq1; 656 153 1898 LEN=1908; translated

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PVQRELVDIDLDLTDYDDVRRRCGCSGAKICRTCWTFMAAALKVLDQGLREDFGFEHIAWFY
SGRRGIHAWVCDEEARNLSDEARSAVANYFEISLNKKNQGLLDSNNTSGCIHPLLSRSY
DVLEPYFVRYVLPSEQDEDDSEDSGIHGHGLLASRDAWEDLVLDLTLPHRAKETVGNLKK
KWSNPRDNDLSPVEKWKTLQHLRVKFDPPSWPSPSSVAAKEGNETTKSKKFKNFSP
STLDDETRKYVMWPMFVFKYSYPRLDINVSKMQNHLLKSPFCVHPKTGRVCVPIDPNAM
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>comp13610_c0_seq1; 489 244 2033 LEN=2494; translated
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VLSILKANAVKLQVESILLEEDEDSEIFSVDNNTTEDRIGGVEKKSIGNGLSILPANVSD
FTTSAVNHMSESRSAFHLLDFSAIVHTYTIWRKRMLLQKHHNVQMVYSARHNCNARLFQ
LLRRLGIGFRVATKYDLTAVRESIVNCGTKPKTKSNTGGVESGEDEDSMIWDDTSILVKP
NSFYRTL LLD RSSTNNEKGETTRTISP GTIPITVANAEEEMERIH IQMCKMHKRRRQGPSS
TPKLAFVLRLENDTNDL TEWKS VVEQMYKKSLELIHSQFVGVALELAGRD TIMEKTFGT
GDTDTITIEPQNRNTLLLEALS D LIEKWAKGSP PQVHLSNPITATEIESSVLEWIERHHK
ICATITIDVSRLMANAAALCARIIGVKNNYNKLKSNEDASSIGKTD D TNRNQNAIQQHL
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>comp13610_c0_seq2; 485 244 2091 LEN=2299; translated
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VLSILKANAVKLQVESILLEEDEDSEIFSVDNNTTEDRIGGVEKKSIGNGLSILPANVSD
FTTSAVNHMSESRSAFHLLDFSAIVHTYTIWRKRMLLQKHHNVQMVYSARHNCNARLFQ
LLRRLGIGFRVATKYDLTAVRESIVNCGTKPKTKSNTGGVESGEDEDSMIWDDTSILVKP
NSFYRTL LLD RSSTNNEKGETTRTISP GTIPITVANAEEEMERIH IQMCKMHKRRRQGPSS
TPKLAFVLRLENDTNDL TEWKS VVEQMYKKSLELIHSQFVGVALELAGRD TIMEKTFGT
GDTDTITIEPQNRNTLLLEALS D LIEKWAKGSP PQVHLSNPITATEIESSVLEWIERHHK
ICATITIDVSRLMANAAALCARIIGVKNNYNKLKSNEDASSIGKTD D TNRNQNAIQQHL
YIDDGCYGSLSNYPNEGIP L P L K S Q R L I R S L S A T S K Q L L E T E Q N T L V N T T V W G P T C D G L D
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>comp13611_c0_seq1; 225 249 1247 LEN=1841; translated
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P H R V V I V I P A Y N E E D R I E S T L K C Y Q D F L L G S L S S D T E F E I V V D D G S V D T T L D V V H D F P A
K I P I H C V A M E E N R G K G A A L S R G M Q H V L E T A R T F S S R G D D V Y E K N T W I L T Q D A D G S G D L I Y
L D G M I K K L E N L L H I P A K S D T T N G R G L V I G N R Q Y D I F S S R G I T R W G F Q T C V R I L T T N R L R V
K D S Q C A Y K L M T L G T A K A L Y E D L H L Q G W S H D V E V L F R A T L L D I P I D E M S I E W E D M K G S K V T
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>comp13612_c1_seq2; 881 93 2156 LEN=2257; translated
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LNATFQGSLSMKSQFAACSRNQLDLQPTAVTNSGLELSINIESSDGSSLEHAADVLYE
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GMGDNGYGDGIGVMGWSSPDGFRQCFFNAVKNFALGWFDNQVATVNPLDWAGSSRTFVFTG
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GLGRFRIGLLTDAKGYETSWFLRDSNGTVIDHYDDGKYWKHQYYPYSAESSYCLPPGCY
QFEIRDSGGDGLTDDAWDP IEGHGRYDGTLDGVEIFSGAEFGYNEVNDFCIEAAPVPTLE
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>comp13613_c0_seq1; 412 1 2031 LEN=2368; translated
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PIYETYLAQKSGFRILWTEKDDSM LVWYIAKHHRVSRLMRLIDDSKNR SERQRVSIHNCI
DEVSR TADKSHD GIEEDSNQHQRHG DNGEIVLDPLGNVPLKIYDIGTSDEIDNIKKEDW
TPALHLTDEERRVETKGTVLLLRSGTGKTVCICNRMEYDRQQHDQNHTIPKNSSTQI
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WCHWSKIYVDEVQDYTQVEILLFFHLSGAGNFLAGDPAQNVTKGVEFRFDDVRSVGYHI
AGEVDRRRKLIPOKPMIVNVNFRSHAGILNAASAILSRLFAFFPDSAKQLGKDEGLFKGP
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>comp13613_c0_seq2; 563 1 2757 LEN=2907; translated
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DEVSRADKSHDGI EEDSNQHQRHGGDNGEIVLDPLGNVPLKIYDIGTSDEIDNIKKEDW
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QLRDSFSQFLFVARSPRLCAYVRNNLGERSGSKFVTFETLLIELEAVLPRVDGIRDSFPDE
LMMKFSVFKREFYHTLNSNSIDPLITWTNIRSFLKGSIEAFQSTKYFVSKKEYLSETNFG
KKRCRLSTESRQRVYDIFGKYQDTMVETGAWDNCDRIVALIRRLIFAKTSYPELFGKES
WCHWSKIYVDEVQDYTQVEILLFFHLSGAGNFLAGDPAQNVTKGVEFRFDDVRSVGYHI
AGEVDRRRKLIPOKPMIVNVNFRSHAGILNAASAILSRLFAFFPDSAKQLGKDEGLFKGP
RPGMLHKVKLETMADLVHQNMKGVVVLTHDDAVPKARAKLHGYKLVYGIQKAKGLEFKSV
LVMDFFSSLPSELQKPWRELLLNRRADSHTFQSTYPEVEGHLKVLYTAVTRCIDRLFFAET
EDSVSGDAFLRFMTSTESVQEPGQPKTLSIATRNIKIGDIENMAMTEDEWLASGITNAEAA
EAVFGSDHGHACSLMEKAIYCFQQTDKESFARKASSQLASFELRNEIATSRSFSGNPDSS
LAASKLSEIEKNAALVSEKLLKENLLSEAIRLGRDVQHTILQRMYSSTFFERYILQQLE
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>comp13613_c0_seq3; 405 1 2322 LEN=3070; translated
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DEVSRADKSHDGI EEDSNQHQRHGGDNGEIVLDPLGNVPLKIYDIGTSDEIDNIKKEDW
TPALHLTDEERRVETKGTVLLLGRSGTGKTVCICNRMEYDRQQHDQNHTIPKNSSTQI
QLRDSFSQFLFVARSPRLCAYVRNNLGERSGSKFVTFETLLIELEAVLPRVDGIRDSFPDE
LMMKFSVFKREFYHTLNSNSIDPLITWTNIRSFLKGSIEAFQSTKYFVSKKEYLSETNFG
KKRCRLSTESRQRVYDIFGKYQDTMVETGAWDNCDRIVALIRRLIFAKTSYPELFGKES
WCHWSKIYVDEVQDYTQVEILLFFHLSGAGNFLAGDPAQNVTKGVEFRFDDVRSVGYHI
AGEVDRRRKLIPOKPMIVNVNFRSHAGILNAASAILSRLFAFFPDSAKQLGKDEGLFKGP
RPGMLHKVKLETMADLVHQNMKGVVVLTHDDAVPKARAKLHGYKLVYGIQKAKGLEFKSV
LVMDFFSSLPSELQKPWRELLLNRRADSHTFQSTYPEVEGHLKVLYTAVTRCIDRLFFAET
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>comp13614_c0_seq1; 372 587 1507 LEN=1969; translated
MTWKEWASVSVPCGIVTALDIGCSNLALVTITLTFYTMVKASTPIFVLSWAYIFKIERIT
WPLIGVVIVIAMGEFLTTFGEVDFVFHGFALCLLASVLSGARWTLVQLKLQNLDPPLKST
LVTMKLLTPSMVWSMVFLSIVIEKPWVKLVEAQDNDSNELLKVFLLMIGGTFAIVMILC
ELYLILKASAIILMIGGVIKELTTIFVGVSFDFGDRNLNMNTAGVCVVFSGVMYKVVFHL
QKKENERSGMPEIQSEDFVDEDEQDFANESDEEFLDEDQETFVDEVPGVSNLNCESELLE
EETILR

>comp13614_c0_seq2; 372 471 1391 LEN=1853; translated
MTWKEWASVSVPCGIVTALDIGCSNLALVTITLTFYTMVKASTPIFVLSWAYIFKIERIT
WPLIGVVIVIAMGEFLTTFGEVDFVFHGFALCLLASVLSGARWTLVQLKLQNLDPPLKST
LVTMKLLTPSMVWSMVFLSIVIEKPWVKLVEAQDNDSNELLKVFLLMIGGTFAIVMILC
ELYLILKASAIILMIGGVIKELTTIFVGVSFDFGDRNLNMNTAGVCVVFSGVMYKVVFHL
QKKENERSGMPEIQSEDFVDEDEQDFANESDEEFLDEDQETFVDEVPGVSNLNCESELLE
EETILR

>comp13614_c0_seq3; 364 587 1528 LEN=2071; translated
MTWKEWASVSVPCGIVTALDIGCSNLALVTITLTFYTMVKASTPIFVLSWAYIFKIERIT
WPLIGVVIVIAMGEFLTTFGEVDFVFHGFALCLLASVLSGARWTLVQLKLQNLDPPLKST
LVTMKLLTPSMVWSMVFLSIVIEKPWVKLVEAQDNDSNELLKVFLLMIGGTFAIVMILC
ELYLILKASAIILMIGGVIKELTTIFVGVSFDFGDRNLNMNTAGVCVVFSGVMYKVVFHL
QKKENERSGMPEIQSEDFVDEDEQDFANESDEEFLDEDQETFVDEVPGVSNLNCESELLE
EEVKLEMATRS

>comp13614_c0_seq4; 364 471 1412 LEN=1955; translated
MTWKEWASVSVPCGIVTALDIGCSNLALVTITLTFYTMVKASTPIFVLSWAYIFKIERIT

WPLIGVVIVIAMGEFLTVFGEVDFVVFHGFALCLLASVLSGARWTLVQLKLQNLDPPLKST
LVTMKLLTPSMVWSMVFLSIVIEKPWVKLVEAQDNDSNELLKVFLLMIGGTFIAIVMILC
ELYLILKASAIILMIGGVIKELTTIFVGVSFDFGDRNLNMNTAGVCVVFSGVMLYKVVFHL
QKKENERSGMEPIQSEDEVFDEDEQDFANESDEEFLDEDEQETFVDEVPGVSNLNCESSELLD
EEVKLEMATRYS

>comp13615_c1_seq1; 344 89 445 LEN=707; translated
MGETLLVKAQDEDEDAADTPAVADDGGDETETDTETDPAAEGDAEGDGDGDDGDGEEGDDGD
EESDETGEEGDAEDDDEGFQVEDLLPGFENTDADNFVKGYILGNPEYYQELYVAVSLG

>comp13615_c1_seq2; 774 89 2290 LEN=3306; translated
MGETLLVKAQDEDEDAADTPAVADDGGDETETDTETDPAAEGDAEGDGDGDDGDGEEGDDGD
EESDETGEEGDAEDDDEGFQVEDLLPGFENTDADNFVKGYILGNPEYYQELYVAPKAVTK
FNNLPRFGHSDDFSLLMGDYDPHYLGLLFGVTLILTIFFFWGIAIGIFKCIKPKHVGF
AGFPFQVEGKKSAAGRVVFVSGAWMMIVSTIFLISLGLPRMQYLSDSIAFTADEIQIVEK
EVKYIVTLLVVS AKTKPIRDELVDLKRDI CPLEPGSDTEDQVRSVGEDTYDAMTDLED
FIEGYLLDVEDGVNTTNTFTSNILAVTDMAQFVGNPVVTAIVFPYFIIPILLVAVGMGW
YDFYSETFYSFVTWLVVPLLVLVLLTILAFVTATTLVVAIQANADICVSSGAPEDSILGVLN
NLDLEDDSGS QSKDDNGPSDNFFYDIMVFYTHQCTKPNPWEFMEGHYADLARGRNILGEF
IRSIEDTTLLELSQECGMEYGP IVVLLKSLQDLITILSQT SIRAL TLMSCRNVVPLYTAW
IYESTCTLAPVSLNLVFMCIVCIAFFGMVCITFRGAYYPIDFYDDATGRGDKQELYPTD
EVGDSGLADTPCNEKVLEE QEDQCIDATEAMEESIEIQIYHDDEEKEYETDDDEQDHEKN
FLLDKYGEPMEGPDAQAQHSVGTNGSYRGIDRNGDSHAVYSDDDDDEMTFHSTFDDEYEYNS
AAEEEESETFSYVS

>comp13615_c1_seq3; 472 1 1877 LEN=2893; translated
XTNHSQPKAVTKFNNLPRFGHSDDFSLLMGDYDPHYLGLLFGVTLILTIFFFWGIAIGI
FKCIGPKHVGF LAGFPFQVEGKKSAAGRVVFVSGAWMMIVSTIFLISLGLPRMQYLSDSI
AFTADEIQIVEKEVKYIVTLLVVS AKTKPIRDELVDLKRDI CPLEPGSDTEDQVRSV
EDTYDAMTDLED FIEGYLLDVEDGVNTTNTFTSNILAVTDMAQFVGNPVVTAIVFPYFI
PIILLVAVGMGWYDFYSETFYSFVTWLVVPLLVLVLLTILAFVTATTLVVAIQANADICVSS
GAPEDSILGVLNLDLEDDSGS QSKDDNGPSDNFFYDIMVFYTHQCTKPNPWEFMEGHYA
DLARGRNILGEFIRSIEDTTLLELSQECGMEYGP IVVLLKSLQDLITILSQT SIRAL TLM
SCRNVVPLYTAWIYESTCTLAPVSLNLVFMCIVCIAFFGMVCITFRGAYYPIDFYDDAT
GRGDKQELYPTDEVGDSGLADTPCNEKVLEE QEDQCIDATEAMEESIEIQIYHDDEEKEY
ETDDDEQDHEKNFLLDKYGEPMEGPDAQAQHSVGTNGSYRGIDRNGDSHAVYSDDDDDEMTF
HSTFDDEYEYNSAAEEEESETFSYVS

>comp13616_c0_seq1; 827 132 2183 LEN=2196; translated
MKFSVLALAAATSSFLPYFASTEAFVPRACFI PRGGDQQQLSASAVSIAEVATSPIAGM
KPGTSGLRKKVEVWQGTDDDEIKQEYYVENFIQSLLD TATENNKGVVPKTLIVAGDGRYFN
KEAIQKICRVLAGNGVENIWPSSGIMSTPAVSAAIR TREGGSADGGIILTASHNPGGPG
EDFGIKYNEFYGQPAGEDFTDALYEKSLKITKFMTVEGSTDIDVDAAPGTTFSLSPTSTV
TIIDPFTEYIEVLKESFDFDAIREFAKRPEFSVLFDMHGAGGPFARRILLEELGFPES
LMRCDPRPDFGKCHPDPNLTYAADLVKKMGLNPDGSMNESTVSSAPT LGAANDGDGDRNL
IAGAGSFVTPSDSLAMICDNWKAIPHFAKAGGPKGVARSMPSAALDVVAEALDIPYFNT
PTGWKFFGNLMGSKEQFGKTDYTPFLCGEESFGTGDHIREKDGLWAMLAWVSILIDANA
DTPEGAPLVQVKDIVMNHWTYGRHFYCRYDYEGKDLACRQIALASTXVSKFVFFDGNLI
FSLPHDISTVAVASDSANEMMDLIRNEYVSGDLSLSEDSASGIKLI GAEEFSYTD PVDGS
LTSNQGLIILNFQYANGDDARVIFRLSGTGSAGATIRMYLEKYEKDKSRYGEAAPSALKTL
ADRAIDL VQLEKLTGRESPTVIT

>comp13616_c0_seq2; 923 132 2072 LEN=2085; translated
MKFSVLALAAATSSFLPYFASTEAFVPRACFI PRGGDQQQLSASAVSIAEVATSPIAGM
KPGTSGLRKKVEVWQGTDDDEIKQEYYVENFIQSLLD TATENNKGVVPKTLIVAGDGRYFN
KEAIQKICRVLAGNGVENIWPSSGIMSTPAVSAAIR TREGGSADGGIILTASHNPGGPG
EDFGIKYNEFYGQPAGEDFTDALYEKSLKITKFMTVEGSTDIDVDAAPGTTFSLSPTSTV
TIIDPFTEYIEVLKESFDFDAIREFAKRPEFSVLFDMHGAGGPFARRILLEELGFPES
LMRCDPRPDFGKCHPDPNLTYAADLVKKMGLNPDGSMNESTVSSAPT LGAANDGDGDRNL
IAGAGSFVTPSDSLAMICDNWKAIPHFAKAGGPKGVARSMPSAALDVVAEALDIPYFNT
PTGWKFFGNLMGSKEQFGKTDYTPFLCGEESFGTGDHIREKDGLWAMLAWVSILIDANA
DTPEGAPLVQVKDIVMNHWTYGRHFYCRYDYEA VASDSANEMMDLIRNEYVSGDLSLSE
EDASGIKLI GAEEFSYTD PVDGSLTSNQGLIILNFQYANGDDARVIFRLSGTGSAGATIR
MYLEKYEKDKSRYGEAAPSALKTLADRAIDL VQLEKLTGRESPTVIT

>comp13617_c0_seq1; 616 49 1923 LEN=2010; translated

MVFFYISKYITKWIASPLFRTRLRLRNRLSPTSTVGGAGAMTSTNNYWVDMACLIPIYSQK
LLSLAVHDESKRLAVEFRQQYQKHKDQSKTAQTSMTSSSSSSPQEAAMTTTAMMTDPS
AINRLSDMRKIVLDDFLRPSLI PNNVWSDVEQNWRYNLR I VAWARKEFLISKYGPYIQEA
LVAYPQLRNSPQLSMSSAGGKNRQLLLDLVHRGEINTDNIGGASASKNSNMTSPFLQLP
PSDI IANAFMRKRWANDKMDR ISNLLPVAETLGGTVFQQQLSSPKEGTATMTKHVDVP
LDTDVSSASLEDVLEVATKGYLKNCGPLNALCQEANFYQLYSREYVQYLGDYLLKRTAVK
RLAYDTQRRKRQPQNTNDIKNYLLEEGPLVSPETVVLDIGAGDGLMHCLRDYMQRKIMG
LSLSDNKRGNQRKHDRKKNVQVHNHQPMPVPTMVATDDMSWRIFAKAEVEKLSVEQALEK
YAANMTTANGDVSPSDQENNQDQSRPQVIVICSWMPMGQDWTALFRKAEVDEYILIGEAD
NGSCGDNWL TWGNPEFYGSDAIENCGSNNDGDIKSSPTPPYAAEGYQRMDMDAATKYQF
SSFDLNSKSSKTVSFRRILGRKA

>comp13618_c1_seq1; 430 276 993 LEN=993; translated
MNKNINLHSMNSNANAIARSPISAVDAGYVVARPPLLRELPVNPADGNQTEVGGDDE
YAFYDLYQSPCRGVLASNDLDFVLDGEMNDDAERNHITSYGSKTGIGATEAALLYQN
YGYYYDDLEYCGATFYGGCDFGDRDELATRIRREEEALGNGGGGGEPFGGTPPSFVNWTV
VYDYEIHYTGRGSGSTNRAQTAWFYSNETKAGVVSQDRQKARSSELLREQHPQQQQQQX

>comp13619_c0_seq1; 464 187 747 LEN=1107; translated
MAKRNNDRTPVDVENPLTSMSSQLEKQQAGGDMVKNLASNFLKKEETTVCYDMGKAMSM
QGGILFNMAFMWLLHFKMNQVQPLLVTSSINGFLQLAYNPLFQVYILGRNLERPFPKNPEVF
KDPRAEEGSDDAETTKEETTETATDDSKLDDAENDVDEDESEDEISDDDDDESTDDEDESSDE
DEDEDE

>comp13619_c0_seq2; 606 162 1493 LEN=1618; translated
MSHSPTTNRSMSSFLLLAVLSMLVVEVASSSSSSSNFLSLPAFYNKVENRVSGKRETLTL
LSSFHEIQKQKVLQFRGGADEADDGEKEEVAVKAAEDSDSDVENDEDEDEDAEEMETES
KPLLTAKLEDESEENLSMQSMITADKFIGGNVATDIRNWWKSKIVKAVEEDEDIQGVME
EIDEFALQLTEIAAKRGKTDGGNSGTPYLDLLGGI IEDSLEVHRADITGIFDHATLTNG
AEVIYGGKRGTSKSLVDSLPIVNRILQASNLRFYGFGEAALPTPTYPNTPGQCWALRQT
PLKELLKERELFEKFEVPPDDFKRGNFGTLTIRLDSPIVIVESVVIHPPRQFSKQMTSAI
RSFRVVGIEDDMASSKAWNLGAFEYNINDNLEQNEYLQEFDVASTVFGKEIPPLQSI SLA
IDSNYGHTYTCLYRFRVHGRTEE

>comp13619_c0_seq3; 1043 102 2474 LEN=2599; translated
MAKKRAAGSDPEEEDDDQVMNGDHNDDEGGDGGSGSDDEEMQEVEEDDVEEISTASSPS
PQKRKDMTLRSGRRKRRRSLQTTGLTPPESRKKSKRSRTSAKTSTIKKQQTAAASLTKPT
ASNGDQKQPALS DRASPEIAPDPRRISYANASVIPSNIHEERSDEVSENGDDSEELNLP
PKFGVQANGTAKNDVSGEEDQSAPHDESIPCANGAEHHEADADEQDEASKQPVTEEID
AGEREKVGEITGEDSFIETKSTSIGVSILERLVI FVILGFVSLLLTMPEVIKLAIEIVVPL
DESLLEAKSLPEIKIPNDDDAVDSEVEMSSSEELQSWNKKFLNNFQRLSRAKTAYRVSYE
NFDELYTESIKEIDQLEELQTRQELAGKRLVNLNRLKKNLREKQKDNFEEIRDLAQQ
LGKSVIETSSIPLWNVSKDLNACTSVNVRGDLDEDEDAEEMETESKPLLTAKLEDESE
ENLSMQSMITADKFIGGNVATDIRNWWKSKIVKAVEEDEDIQGVMEEIDEFALQLTEIA
AKRGKTDGGNSGTPYLDLLGGI IEDSLEVHRADITGIFDHATLTNGAEVIYGGKRGTSK
SLVDSLPIVNRILQASNLRFYGFGEAALPTPTYPNTPGQCWALRQTPLKELLKERELFE
KFVEVPPDDFKRGNFGTLTIRLDSPIVIVESVVIHPPRQFSKQMTSAIRSFRVVGIEDMA
SSKAWNLGAFEYNINDNLEQNEYLQEFDVASTVFGKEIPPLQSI SLAIDSNYGHTYTCLY
RFRVHGRTEE

>comp13619_c0_seq4; 793 162 1370 LEN=1730; translated
MSHSPTTNRSMSSFLLLAVLSMLVVEVASSSSSSSNFLSLPAFYNKVENRVSGKRETLTL
LSSFHEIQKQKVLQFRGGADEADDGEKEEVAVKAAEDSDSDVENDEDEDEDEYDNESTE
EDSDEDEYDDEETDEESEDVSLAYQLKKKSASKEKSTEPFVEPYFVSPSLQMYTTFTGIL
LSRKIDMFNPTVVKLLRSMFVHLIVQQAIFIVRIMAKRNNDRTPVDVENPLTSMSSQ
LEKQQAGGDMVKNLASNFLKKEETTVCYDMGKAMSMQGGILFNMAFMWLLHFKMNQVQPL
LVTSINGFLQLAYNPLFQVYILGRNLERPFPKNPEVFKDPRAEEGSDDAETTKEETTETAT
DDSKLDDAENDVDEDESEDEISDDDDDESTDDEDESSDEDEDEDE

>comp13620_c0_seq1; 147 690 1031 LEN=1306; translated
MIRAMMDCLLAKCIPCITDCVMAELEKLGKYLKIALRLAKDPRFERVPCNCAKKGYADDC
LTNMQWQKCFIVATCDKELRGRIRKIPGVPCMYISGYKYTVERMPEAFGAAR

>comp13620_c0_seq2; 200 306 902 LEN=1177; translated
MGKAKQTRKFAVAKRMSPNDTRVRKNMEDAKAKKLAKEKKEKEPRHIEQANTSLFFQYN
EQLGPPYHVLVDTNFINFSIRKKLDMIRAMMDCLLAKCIPCITDCVMAELEKLGKYLKIA
LRLAKDPRFERVPCNCAKKGYADDCLTNMQWQKCFIVATCDKELRGRIRKIPGVPCMYI

SGYKYTVERMPEAFGAAR

>comp13621_c0_seq1; 765 301 3155 LEN=3337; translated
MGLLLKVGVPKTDWSSKDDLEYIRKAGIRQFVSTYNRVKDLKGDELLWGDEIEYGIFHLDP
QTKQIRLSLRKDVMDLNRKEAEHSQISEGCNWWPEYGAWMVEATPNRPYTGFSTDLLR
VERNMRLRRKRILTVLKETEIAPTVSAPFLGSLGEEGSVPPVPLGGPITCSEYIGDGII
NPHPRFGTLTANIRQRRGARVNIKVPLFRSDTPEFEDFENVKPGNVGCGGSDSQQLWR
YGKGDACEEYEGKEFVTVGCSSTYDDSTGMATMEKWLIDVKCDGCKGLFYRSAPNVIVPD
ADWPRNGDVVMGYEIPNTPGWIRLQNGYYLPMHSDDGKVQFLSKVSKRAQTQNTMCRIG
SNTPLFVAEENQESMATLLGGTVAVTDEANNGKIGGNQKANESNETLRAAVHMDAMAFGM
GCCCLQITFQAKDIDESRFIFDQLAVMAPMYVVLHLEFQHDSISSMXLVSNYFLIPIFR
HRMMALTASTPMLKGRLLDTDARWGIISESVDGRTLSEGRADPDAPYESYNAQGERRIY
KSRYDSISTFIYQGGMTGARDTKGLKNRVLNMYNDIPIEIDETCYEDLRKAGVDPALSQH
VAHLFIRDPLVIFNGAVEEVDDDETQTEHFESIQSTNWQTVRWKPPPPRDSNAPHIGWRT
EFRSMEIQLTDFENAAFSIFVVLQRTILTFDLNLYVPLSKVDANMQRAHSRNSAARGKF
FFRRHLAPLEEGDDGYGVKYVSMFAKAVSGDYNSTSEEIEAEDPDGVSHKRRSAPTAPGG
VEENSFEEMTMEEIMCGKGDYFPGLIPLVRAYLDHISADSTSTARLHSYLDFIEKRATGE
LITTATWLRNFVRSHPDYKNDISVISETIAAYDLMVACKEIGEGKLVPELLGDVRIKEITT
DGAYQTKLDSKRVTNDRIVELLQRYKKRQSAFDTEFSSELAPDSTLSEVAI

>comp13621_c0_seq2; 739 301 2814 LEN=3345; translated
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VERNMRLRRKRILTVLKETEIAPTVSAPFLGSLGEEGSVPPVPLGGPITCSEYIGDGII
NPHPRFGTLTANIRQRRGARVNIKVPLFRSDTPEFEDFENVKPGNVGCGGSDSQQLWR
YGKGDACEEYEGKEFVTVGCSSTYDDSTGMATMEKWLIDVKCDGCKGLFYRSAPNVIVPD
ADWPRNGDVVMGYEIPNTPGWIRLQNGYYLPMHSDDGKVQFLSKVSKRAQTQNTMCRIG
SNTPLFVAEENQESMATLLGGTVAVTDEANNGKIGGNQKANESNETLRAAVHMDAMAFGM
GCCCLQITFQAKDIDESRFIFDQLAVMAPIMMALTASTPMLKGRLLDTDARWGIISESVD
GRTLSEGRADPDAPYESYNAQGERRIYKSRYDSISTFIYQGGMTGARDTKGLKNRVLNM
YNDIPIEIDETCYEDLRKAGVDPALSQHVAHLFIRDPLVIFNGAVEEVDDDETQTEHFESI
QSTNWQTVRWKPPPPRDSNAPHIGWRTEFRSMEIQLTDFENAAFSIFVVLQRTILTFD
LNLYVPLSKVDANMQRAHSRNSAARGKFFRRHLAPLEEGDDGYGVKYVSMFAKAVSGDY
NSTSEEIEAEDPDGVSHKRRSAPTAPGGVEENSFEEMTMEEIMCGKGDYFPGLIPLVRAY
LDHISADSTSTARLHSYLDFIEKRATGELITTATWLRNFVRSHPDYKNDISVISETIA

>comp13621_c0_seq3; 363 301 1290 LEN=1327; translated
MGLLLKVGVPKTDWSSKDDLEYIRKAGIRQFVSTYNRVKDLKGDELLWGDEIEYGIFHLDP
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VERNMRLRRKRILTVLKETEIAPTVSAPFLGSLGEEGSVPPVPLGGPITCSEYIGDGII
NPHPRFGTLTANIRQRRGARVNIKVPLFRSDTPEFEDFENVKPGNVGCGGSDSQQLWR
YGKGDACEEYEGKEFVTVGCSSTYDDSTGMATMEKWLIDVKCDGCKGLFYRSAPNVIVPD
ADWPRNGDVVMGYEIPNTPGKPKVFMFAT

>comp13621_c0_seq4; 699 301 2909 LEN=3440; translated
MGLLLKVGVPKTDWSSKDDLEYIRKAGIRQFVSTYNRVKDLKGDELLWGDEIEYGIFHLDP
QTKQIRLSLRKDVMDLNRKEAEHSQISEGCNWWPEYGAWMVEATPNRPYTGFSTDLLR
VERNMRLRRKRILTVLKETEIAPTVSAPFLGSLGEEGSVPPVPLGGPITCSEYIGDGII
NPHPRFGTLTANIRQRRGARVNIKVPLFRSDTPEFEDFENVKPGNVGCGGSDSQQLWR
YGKGDACEEYEGKEFVTVGCSSTYDDSTGMATMEKWLIDVKCDGCKGLFYRSAPNVIVPD
ADWPRNGDVVMGYEIPNTPGWIRLQNGYYLPMHSDDGKVQFLSKVSKRAQTQNTMCRIG
SNTPLFVAEENQESMATLLGGTVAVTDEANNGKIGGNQKANESNETLRAAVHMDAMAFGM
GCCCLQITFQAKDIDESRFIFDQLAVMAPMYVVLHLEFQHDSISSMXLVSNYFLIPIFR
HRMMALTASTPMLKGRLLDTDARWGIISESVDGRTLSEGRADPDAPYESYNAQGERRIY
KSRYDSISTFIYQGGMTGARDTKGLKNRVLNMYNDIPIEIDETCYEDLRKAGVDPALSQH
VAHLFIRDPLVIFNGAVEEVDDDETQTEHFESIQSTNWQTVRWKPPPPRDSNAPHIGWRT
EFRSMEIQLTDFENAAFSIFVVLQRTILTFDLNLYVPLSKVDANMQRAHSRNSAARGKF
FFRRHLAPLEEGDDGYGVKYVSMFAKAVSGDYNSTSEEIEAEDPDGVSHKRRSAPTAPGG
VEENSFEEMTMEEIMCGKGDYFPGLIPLVRAYLDHISADSTSTARLHSYLDFIEKRATGE
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>comp13621_c0_seq5; 805 301 3060 LEN=3242; translated
MGLLLKVGVPKTDWSSKDDLEYIRKAGIRQFVSTYNRVKDLKGDELLWGDEIEYGIFHLDP
QTKQIRLSLRKDVMDLNRKEAEHSQISEGCNWWPEYGAWMVEATPNRPYTGFSTDLLR
VERNMRLRRKRILTVLKETEIAPTVSAPFLGSLGEEGSVPPVPLGGPITCSEYIGDGII

NPHPRFGTLTANIRQRRGARVNIKVPLFRSDTPEFEDFENVKPGNVDGCCGSDSQQLWR
YGKGDACEEYEGKEFVTVGCSSTYDDSTGMATMEKWLIDVKCDGCKGLFYRSAPNVIVPD
ADWPRNGDVVMGYEIPNTPGWIRLQNGYYLPMHSDDGKVQFLSKVSKRAQTQNTMKRIG
SNTPLFVAEENQESMATLLGGTVAVTDEANNGKIGGNQKANESNETLRAAVHMDAMAFGM
GCCCLQITFQAKDIDESRFIFDQLAVMAPIMMALTASTPMLKGRLLDTDARWGIIESVD
GRTLSEGRADPDAPYESYNAQGERRIYKSRYDSISTFIYQGGMTGARDTKGLKNRVLNM
YNDIPLEIDETCYEDLRKAGVDPALSQHVAHLFIRDPLVIFNGAVEEVDDETQTEHFESI
QSTNWQTVRWKPPPPRDSNAPHIGWRTEFRSMEIQLTDFENAAFSIFVVLLQRTILTFD
LNLYVPLSKVDANMQRAHSRNSAARGKFFFRHLAPLEEGDDGYGVKYVSMFAKAVSGDY
NSTSEIEAEDPDGVSHKRRSAPTAPGGVEENSFEEMTMEEMCGKGDYFPGLIPLVRAY
LDHISADSTSTARLHSYLDFIEKRATGELITATWLRNFVRSHPDYKNDSVISETIAYDL
MVACKEIGEGKLHVPELLGDVRIKEITTDGAYQTKLDSKRVTNDRIVELLQRYKKRQSAF
DTEFSSELAPDSTLSEVAI

>comp13622_c0_seq1; 638 398 3482 LEN=4026; translated
MEPAQLAQVEALCETLYTGVPTSGENGEQITRQDAQQLMSLQSSADFIPOCQYILENTK
SQYARLVATNSLTELITTHWNSFTIPQRIDIRNYVLTYLANNGPQLENFVVVSLIKLVCR
ITKLGWFDDPVHRELADDVTKFLQATIEHCILGLKILNQLVDELNIPTSGRTLTOHRKTS
VSFRDVCLLKVFQGLTTLKQLQTRAI SADPQOEKILGEYALALTVRCLSFDFIGTNPDE
STEDVGTIQAPTSWRALLQDSATTDLDFDFYANTTPPRSSKAMEAILLASVRRSLFPTD
KDRAAFLGRLITGIRGMLSNTGLQHGDNYHQFCRLLGRLKANYQSELVKTGDGYMEWLE
LAASFTVQSIRNWQYSTNSIHYLLSLWGRLVAAPVYVRPETGAQGHVQHLEKQVMLVVET
YIESMLGSVETVLRSDGALENPLDDYGSREQMDRLPVICRFQYGPVAQILLAKFDPLLA
QYRDI TGRMGNNSTSSAPNDVQQSMAVIEGQLTWLTYIVGAIIGGHSWSSAHMGEGEEAI
DASLSRRTLQLAQGM DYRLTTSNGAGRAEPKLEQALLFYFGNFRRVYMFMDQMSGNNNS
SVNTLGGDSL SVGMIVAKLDSAPSTKQKVYLRMF EQLAMGDHTVVANIIVTKMGNNLKYW
PEDQEI VSKTLDLDFHDMAGGYSSSKLLLTLETVRFLAKNHTSDHFPFLSQPGNVRQRTTF
HATLTRLLSPPNGEELGLTFDQFLEPIINVLGRLGTLAPADLRNENCRAPLIGVFRDLR
GIAASLHNRKTY SALFEILHPQHPLCSKVADVWFDQTDVMISLLRFLHEFCHNKANRVN
FDQSSPNGILLFRYTS DVVCA YGRRLMATPPPSKGDPEIYKKRYKGLALS LHVLSALGG
NYVCFGVFELYNDMALQNALDVALNMA LSVPLDDINAYPKLSKAYYSFIEILFRSHKKRV
FALDSNIFLQIMTTVHEGLQSSDQTIASF CANTIDHLTTYFNNQ GKDKVEMHNLNKVRE
SDVNHEKW

>comp13622_c0_seq2; 742 398 3766 LEN=3929; translated
MEPAQLAQVEALCETLYTGVPTSGENGEQITRQDAQQLMSLQSSADFIPOCQYILENTK
SQYARLVATNSLTELITTHWNSFTIPQRIDIRNYVLTYLANNGPQLENFVVVSLIKLVCR
ITKLGWFDDPVHRELADDVTKFLQATIEHCILGLKILNQLVDELNIPTSGRTLTOHRKTS
VSFRDVCLLKVFQGLTTLKQLQTRAI SADPQOEKILGEYALALTVRCLSFDFIGTNPDE
STEDVGTIQAPTSWRALLQDSATTDLDFDFYANTTPPRSSKAMEAILLASVRRSLFPTD
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>comp13623_c0_seq1; 437 256 1761 LEN=1779; translated
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>comp13623_c0_seq2; 289 256 1312 LEN=2053; translated
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>comp13625_c0_seq1; 410 1 1148 LEN=1236; translated
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>comp13625_c0_seq2; 392 1 1112 LEN=1200; translated
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>comp13625_c0_seq3; 378 1 1100 LEN=1188; translated
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>comp13625_c0_seq4; 396 1 1136 LEN=1224; translated
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GASIEQKGCYVVTNGSSSSSSTKNNGKDAPASAEDYYALIDGNRVPPDMPCESTSIVKGD
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>comp13626_c0_seq1; 298 367 1521 LEN=1885; translated
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GSLPWQGLKANTKKQKYERIMDRKMSTSTEQLCKGYATEFRSYFEYCRSLRFEDRPDYAY
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>comp13627_c0_seq1; 513 297 1388 LEN=1682; translated
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DTEHPAWVGAFLSEFVLTAGSLSLFSIFILILVYWADILKKYFHPASRRTIPMVTFGLV
SLLIVLEIINIAAFGFGLYTTEGMILFNSILLATVSVICVVEISIFSHRFRTVLKTLGAI
NQVSTDSQVKRIVWITATGNLFFFTRAFLESVFCGYLYVYWKDHTVARFSHPWWDTFV
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ISV

>comp13628_c0_seq2; 224 733 1590 LEN=1879; translated
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THPSSHDNDIYVDVTLDEGTFIQEAELPEQVNIIDICVALRDIKAGEFVYMNTTEHFSLS
GDVEWLEAIRTDALKRTGLGSGRRRNQYLNHNHTRMLPNNHEDDTTVVAPVIAALSAL
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>comp13629_c0_seq1; 289 686 1583 LEN=1891; translated
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>comp13629_c0_seq2; 458 87 1337 LEN=1645; translated
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EKEKALSPENSDDSEFEVVTGSPQNFSSWLDLHRNRTYGGFVDAVCDKAFVVPWCWIAL
NVVPQTSHARWLQYFVLFLLILAEVASGCIRFKAYFTSVAVASPKVEGFDFSTSAVKADH
VGKAKQTFEMVGTALFILPWVRYLGLAFLFLAVPLAYESVRRKITKRVLYVNAGHKLEKL
DHSTLKFWMQAKAMGSKLVVGFPMQTANDDNNYNKKAEMGKIFNALACSCVDEAVAEAP
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>comp13630_c0_seq1; 561 309 1346 LEN=1922; translated
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GIPVLDEMPDTESEFDSIVDAIFGFSFKGEPREPFATILNQLKEVQEQADNTVQMVSDVP
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GVSQVMEVTREHIEGKSQTMKESPTAASDDSWREEYAAAYLAEKYQDSEANPATPPHLKEP
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>comp13630_c0_seq2; 561 309 1346 LEN=1909; translated
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GIPVLDEMPDTESEFDSIVDAIFGFSFKGEPREPFATILNQLKEVQEQADNTVQMVSDVP
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GVSQVMEVTREHIEGKSQTMKESPTAASDDSWREEYAAAYLAEKYQDSEANPATPPHLKEP
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>comp13630_c0_seq3; 561 309 1346 LEN=1746; translated
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SGWNVDEGDVANTGFVPDVTISLTAPKFCTKEFTGRHF IGGRFLPPKIANKYQVQMPPE
GVSQVMEVTREHIEGKSQTMKESPTAASDDSWREEYAAAYLAEKYQDSEANPATPPHLKEP
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>comp13631_c0_seq1; 755 75 1581 LEN=1581; translated
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SSKQGPVSPYTGNAVISTKEIVKSFLNEVDPVTATNKMDTEKAMVLDEFGLTSLLCD
DGLKDGSGFRIVLERYDIALIRDHIARLRTLDDGNAPNSTSLDESSGEAVAPDSSSPSP
ETEKESDTNASSATQGVKESQPELAIKKEKNVANNKEEQQKGSNQKKKADAPSVPPKDM
PVFSPEKSLSPDSNDLKNFFYYACGEDPSLYLDGPDANKKGMGGGGVAKSKKKGKKNKSK
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>comp13632_c0_seq1; 318 203 1909 LEN=1934; translated
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DHRCHCREGWKGLFCDELYLLEPMTKDRLGFEVDTSGRNVSSWGAPILFDESSKRWHGFV
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>comp13633_c0_seq1; 715 369 2234 LEN=3293; translated
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SEMWGKVTGDDMSVGSASVSTGTAALVKKKKRSKLLARLDDSAKLLKNSNSVDDDDVLSK
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DDNATATPKSGLLSAFTAGPEVPI SPLSTHIYAGPSSANSNECPLLATLRRQQEQLRQE
SGVRNDNKNLTSARSITHLRQYEEEEEDENDLSVSPLLQTLRRQKKQASARADPSSAG
ALQKSRNSRDDHGSRTGDSEADSSDPPGRRPRRLVSRHVESGIPEEFLASSGDKSSLER
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>comp13633_c0_seq2; 718 369 2246 LEN=3305; translated
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SEMWGKVTGDDMSVGSASVSTGTAALVKKKKRSKLLARLDDSAKLLKNSNSVDDDDVLSK
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DDNATATPKSGLLSAFTAGPEVPI SPLSTHIYAGPSSANSNECPLLATLRRQQEQLRQE
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SSAGALQKSRNSRDDHGSRTGDSEADSSDPPGRRPRRLVSRHVESGIPEEFLASSGDKS
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>comp13634_c0_seq1; 292 403 1127 LEN=1127; translated
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RR

>comp13634_c0_seq2; 259 403 1179 LEN=1548; translated
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>comp13635_c0_seq1; 250 1 1533 LEN=2767; translated
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VVNAEASSYPEAWVGSTVCYTTNIEDPDSWRRNQDTVYSNGALCWEHEHTQNGSFYFSYF
PPYSYSRHLGLVSRCSQFADTISLGQSLDGRDIDCITLGGQKTVCWIIHRQHPGETMAEY
YAEGLLNRLGLDSNGKVDGEVPKLLEMYTFYIVPLMCPDGAVRGHLRTNACGANLNREW
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SLHGAFVAAYQRVNSDMQQRIGYPAPETTEAALEYMNVATNQIADRFDCLSMTEMPFKD
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>comp13635_c0_seq2; 282 454 1278 LEN=2541; translated
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VRMESLHGAFVAAYQRVNSDMQQRIGYPAPETTEAALEYMNVATNQIADRFDCLSMTEM
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>comp13635_c0_seq3; 282 454 1278 LEN=2512; translated
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VRMESLHGAFVAAYQRVNSDMQQRIGYPAPETTEAALEYMNVATNQIADRFDCLSMTEM
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>comp13635_c0_seq4; 250 1 1533 LEN=2796; translated
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VVNAEASSYPEAWVGSTVCYTTNIEDPDSWRRNQDTVYSNGALCWEHEHTQNGSFYFSYF
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SLHGAFVAAYQRVNSDMQQRIGYPAPETTEAALEYMNVATNQIADRFDCLSMTEMPFKD
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>comp13636_c0_seq1; 855 288 3433 LEN=7836; translated
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FLLTTISHIPDKFYYESLDGISDEGPDISTG SILASVLRPNKDN YTDLSDDDRFE EK
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MRELNKLENE LFSKRNKSD EANPKRLNDGENSYRRWMT HPEIREVPPSVSTYSVLYQLPK
SMVTCGNDGDTQVDRQLEATAKFFDDIVAPQPGYSSSVAVTVIPANARLV AIAWNKWSA
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INSLIMNEKVIVGRFGISP ELYQKYAPSVSGLTQALLFSVCPMIFRFVASC EGSASSMQK
AEQRALIFFWYFYLIARFMGQILFEAITKFLQGQTSSVEKVVTSALS DLAKTVPERLGP F
ALSYVIFISTISWPLLYFLQLNNYLTTFRLGWINRLLKGGGPAAEIPYRIYVDHGYILA
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>comp13639_c0_seq1; 539 1386 2909 LEN=3116; translated
MISAGRKLAVTTWNIAAINNNPFYWITYKENPDYEKLMINIENFLQNPGENDV PVKDV F
TEEMFTKLD SRTLGVGWT SVRPYWESDFQNRKIVSGFMKDPLL GSKRLASMPDRITNTIN
VEGGGQVFRPTVINMFAGDLATLDLWAAWESFMFDNKLT YKGNKNGIESKAPYEM LQKIK
KAKYPDITEQEETDSLPLQTMCGAIFDAILVHMNTVSTPEIWQTLKQTMVENLNK KVP
HTLEILKSTYGDADITLQEVSSSIDQARASSLGKTFHIVAPADLDAVRDQNSVIFLKK
ELFPKGPVEITKLVEAEFPKGSKMVARGDILAITATNKYGLDLVVASFHGDTNGLATKP
VVDATMKALKSESTLKNHRLVFGMDANTYEHAKPGKQDVLDFAKNVVSHDLTSCWGDVP
NPSNYTTYNARTYLQPLNKACKSTEKREKGDVNP KDFIIFPKRDFKVVKTWKDNTGRKE
YIEDMAFP TLEFP SDHGLLSTILEPIE
>comp13639_c0_seq2; 622 371 2113 LEN=2320; translated
MAYTRRSIATPFPRGNSNVLLNNRSLTSYRKKFIIILAATSFYTAFLYQ RGGASTYL G
SSPETS VHNPM SKMISAGRKLAVTTWNIAAINNNPFYWITYKENPDYEKLMINIENFLQ
NPGENDV PVKDV FTEEMFTKLD SRTLGVGWT SVRPYWESDFQNRKIVSGFMKDPLL GSKR

LASMPDRITNTINVEGGGQVFRPTVINMFAGDLATLDLWAAWESFMFDNKLTYKGKNGI
ESKAPYEMLQKIKKAKYPDITEQEETDSLPLQTMCGAIFDAILVHMMNTVSTPEIWQTLK
QTMVENLNKKKVPHTLEILKSTYGDADIITLQEVSSSFIDQARASSLGKTFHIVAPADLD
AVRDQNSVIFLKKELFPKGPVEITKLVEAEFPKGSKMVARGDILAITATNKYGLDLVVA
SFHGDINGLATKPVVDATMKALKSESTLKNHRLVFGMDANTYEHAKPGKQQDVLDFAKNV
VSHDLTSCWGDVPNPSNYTTYNARTYLQPOLNKACKSTEKREKGDVNPCKDFIIFPKRDFK
VVKTWKDNTGRKEYIEDMAFPPTLEFPSDHGLLSTILEPIE

>comp13639_c0_seq3; 622 932 2674 LEN=2881; translated
MAYTRRSIATPFPRGGNSNVLNLRSLTSYRKKFIIILAATSFYTAFLYQRRGASTYL
SSPETS VHNPM SKMISAGRKLAVTTWNIAAINNNPFYEWITYKENPDYEKLMINIENFLQ
NPGENDVPVKDVFTEEMFTKLD SRLTG VGWTSVRPYWESDFQNRKIVSGFMKDLLGSKR
LASMPDRITNTINVEGGGQVFRPTVINMFAGDLATLDLWAAWESFMFDNKLTYKGKNGI
ESKAPYEMLQKIKKAKYPDITEQEETDSLPLQTMCGAIFDAILVHMMNTVSTPEIWQTLK
QTMVENLNKKKVPHTLEILKSTYGDADIITLQEVSSSFIDQARASSLGKTFHIVAPADLD
AVRDQNSVIFLKKELFPKGPVEITKLVEAEFPKGSKMVARGDILAITATNKYGLDLVVA
SFHGDINGLATKPVVDATMKALKSESTLKNHRLVFGMDANTYEHAKPGKQQDVLDFAKNV
VSHDLTSCWGDVPNPSNYTTYNARTYLQPOLNKACKSTEKREKGDVNPCKDFIIFPKRDFK
VVKTWKDNTGRKEYIEDMAFPPTLEFPSDHGLLSTILEPIE

>comp13639_c0_seq4; 581 130 2004 LEN=2211; translated
MRRRQAASPQKPPTDQTEASFDPESSPRTNNIMVKSSAQSSQKMAVATEFEVESGSARDY
PKSFSFFPRNYTGRRKLAIAVCCFFAVLLVVVKNKSGGASTYLGSSPETS VHNPM SKMIS
AGRKLAVTTWNIAAINNNPFYEWITYKENPDYEKLMINIENFLQNPGEN DVPVKDVFTEE
MFTKLD SRLTG VGWTSVRPYWESDFQNRKIVSGFMKDLLGSKRLASMPDRITNTINVEG
GGQVFRPTVINMFAGDLATLDLWAAWESFMFDNKLTYKGKNGIESKAPYEMLQKIKKAK
YPDITEQEETDSLPLQTMCGAIFDAILVHMMNTVSTPEIWQTLKQTMVENLNKKKVPHTL
EILKSTYGDADIITLQEVSSSFIDQARASSLGKTFHIVAPADLDAVRDQNSVIFLKKELF
PKGPVEITKLVEAEFPKGSKMVARGDILAITATNKYGLDLVVASFHGDINGLATKPVVD
ATMKALKSESTLKNHRLVFGMDANTYEHAKPGKQQDVLDFAKNVVSHDLTSCWGDVPNPS
NYTTYNARTYLQPOLNKACKSTEKREKGDVNPCKDFIIFPKRDFKVVVKTWKDNTGRKEYIE
DMAFPPTLEFPSDHGLLSTILEPIE

>comp13639_c0_seq5; 539 825 2348 LEN=2555; translated
MISAGRKLAVTTWNIAAINNNPFYEWITYKENPDYEKLMINIENFLQNPGEN DVPVKDVF
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VEGGGQVFRPTVINMFAGDLATLDLWAAWESFMFDNKLTYKGKNGIESKAPYEMLQKIK
KAKYPDITEQEETDSLPLQTMCGAIFDAILVHMMNTVSTPEIWQTLKQTMVENLNKKKVP
HTLEILKSTYGDADIITLQEVSSSFIDQARASSLGKTFHIVAPADLDAVRDQNSVIFLKK
ELFPKGPVEITKLVEAEFPKGSKMVARGDILAITATNKYGLDLVVASFHGDINGLATKPV
VDATMKALKSESTLKNHRLVFGMDANTYEHAKPGKQQDVLDFAKNVVSHDLTSCWGDVP
NPSNYTTYNARTYLQPOLNKACKSTEKREKGDVNPCKDFIIFPKRDFKVVVKTWKDNTGRKE
YIEDMAFPPTLEFPSDHGLLSTILEPIE

>comp13640_c0_seq1; 641 267 2018 LEN=2399; translated
MERLLFNLVQERNERETLPFVAIHDSNATLLKEADAWQYKCEELERQVVAKQEYLESVAA
NSGISNHAVSDGDNGDDEERREEKLVHLYAESAAKNERKMRREELERLRGQVKTQEERH
EKDAQEAEAEQSHSDLNERYKAQEONLVALQEKNGRQERALEYLSTKVNDSEQRANLAE
HQCIGLKDTIRLLQEETDKLKKDYRNLETRFIEEKSRLSSEVNSLNEILERLKGGETENLQ
SIKKQEEKRQSWFGFASSSSKENKVEAMSQTMARATTVNPSDTRTAIHNRFEKDECGTDY
RRKKVVPVSVVVP SKPKHVIQ AHRHEASCVRSDDSGMIVSCGLLDGTVKIWNASDGSMIA
SLKGGSGNSIVSCDVENGRAAGGNDKTCRVWDIQTQRLMHQLVGHTNIITCVRFVSGGR
GVVTASKDRQIKVWDISKQTYRESTNIVLTSSANSIDISENSYTMVSGHTDGGLRFWDIR
TGQRNAEIKTIHKFAVTSVKFHPLDCSKVLTINGMDSKIKIIDIPCKVMQEFYHKDFNTS
YNWSSAVFSPNGKRFYPVLQCNSTCTYSPYLMLAIGLLFQIML

>comp13640_c0_seq2; 686 267 2096 LEN=2270; translated
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NSGISNHAVSDGDNGDDEERREEKLVHLYAESAAKNERKMRREELERLRGQVKTQEERH
EKDAQEAEAEQSHSDLNERYKAQEONLVALQEKNGRQERALEYLSTKVNDSEQRANLAE
HQCIGLKDTIRLLQEETDKLKKDYRNLETRFIEEKSRLSSEVNSLNEILERLKGGETENLQ
SIKKQEEKRQSWFGFASSSSKENKVEAMSQTMARATTVNPSDTRTAIHNRFEKDECGTDY
RRKKVVPVSVVVP SKPKHVIQ AHRHEASCVRSDDSGMIVSCGLLDGTVKIWNASDGSMIA
SLKGGSGNSIVSCDVENGRAAGGNDKTCRVWDIQTQRLMHQLVGHTNIITCVRFVSGGR
GVVTASKDRQIKVWDISKQTYRESTNIVLTSSANSIDISENSYTMVSGHTDGGLRFWDIR

TGQRNAEIKTIHKFAVTSVKFHPDLC SKVLTNGMDSKIKIIDIP SCKVMQEFYHKDFNTS
YNWSSAVFSPNGEFVASGSSSTGFVFWNANDGKLVRLM LEGAHQYAGVCGI VWGDEGAQS
VDKTGKLV LW

>comp13640_c0_seq3; 550 267 1262 LEN=1373; translated
MERLLFNLVQERNERETLPFVAIHDSNATLLKEADAWQYKCEELERQV VAKQEYLESVAA
NSGISNHAVSDGDNGDDERREEKLV ELHYAESAA LKNERKMREELERLRGQVK TQEERH
EKDAQEAEAEQSHSDLNERYKAQE QNLVALQEKNRQERALEY LSTKVNDSEQRANLAE
HQCIGLKDTIRLLQEETDKLKKDYRNLETRFIEEKSRLSSEVNSLNEILERLKG ETENLQ
SIKKQEEKRQSWFGFASSSSKENKVEAMSQT MARATTVPNSDTRTAIHNRF EKDECCTDY
RRKKVVPVSVVVP SKPKHVIQAHRHEASCVR

>comp13640_c0_seq4; 660 267 1862 LEN=2388; translated
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NSGISNHAVSDGDNGDDERREEKLV ELHYAESAA LKNERKMREELERLRGQVK TQEERH
EKDAQEAEAEQSHSDLNERYKAQE QNLVALQEKNRQERALEY LSTKVNDSEQRANLAE
HQCIGLKDTIRLLQEETDKLKKDYRNLETRFIEEKSRLSSEVNSLNEILERLKG ETENLQ
SIKKQEEKRQSWFGFASSSSKENKVEAMSQT MARATTVPNSDTRTAIHNRF EKDECCTDY
RRKKVVPVSVVVP SKPKHVIQAHRHEASCVRSDDSGMIVSCGLLDGTVKIWNASDGSMIA
SLKGGSGNSIVSCDVENGRAAGGNDKTCRVWDIQTQRMLHQLVGHTNIITCVR FVSGGR
GVVTASKDRQIKVWDISKQTYRESTNIVLTSSANSIDISENSYTMVSGHTDGG LRFWDIR
TGQRNAEIKSMLFYLILVKNFYIYNLTPAQPI LSLFSSSALICVDHCD SYP

>comp13640_c0_seq5; 660 267 1862 LEN=2517; translated
MERLLFNLVQERNERETLPFVAIHDSNATLLKEADAWQYKCEELERQV VAKQEYLESVAA
NSGISNHAVSDGDNGDDERREEKLV ELHYAESAA LKNERKMREELERLRGQVK TQEERH
EKDAQEAEAEQSHSDLNERYKAQE QNLVALQEKNRQERALEY LSTKVNDSEQRANLAE
HQCIGLKDTIRLLQEETDKLKKDYRNLETRFIEEKSRLSSEVNSLNEILERLKG ETENLQ
SIKKQEEKRQSWFGFASSSSKENKVEAMSQT MARATTVPNSDTRTAIHNRF EKDECCTDY
RRKKVVPVSVVVP SKPKHVIQAHRHEASCVRSDDSGMIVSCGLLDGTVKIWNASDGSMIA
SLKGGSGNSIVSCDVENGRAAGGNDKTCRVWDIQTQRMLHQLVGHTNIITCVR FVSGGR
GVVTASKDRQIKVWDISKQTYRESTNIVLTSSANSIDISENSYTMVSGHTDGG LRFWDIR
TGQRNAEIKSMLFYLILVKNFYIYNLTPAQPI LSLFSSSALICVDHCD SYP

>comp13641_c0_seq1; 557 216 1921 LEN=2115; translated
MGDKYDITRLPIDAVKSVAKIGAWPIHFGKTIATNVTD TAFKVI GTNTEDKPSK TPLKDD
SIYEMAESNL DIIAII YYYTEL RSETRRL LKKYTVEK GMTWEASNPEEPSQLVIL RNAVK
LVEKRSKTIQSPETTASVHVLKDYQDSVMQLEGLRKKFKLDEGDLDIFKTYFDILSEPKT
LSDVKSDTILFDNYISP AFRV SFGGTKYNRRIENLIGDDKEAYIHEIDDDFNATSLRPL
GIIKGFTSEIVWAI VVCDK KKTITV VFRG SVNASDWIKNLQCNMTNCKLPGFTSENAKGG
DVYQQVHEGFYKYLFEKTKVGMNGSNKSKGEEIMGKLGDFFSKPRFSDYSLYVTGHS LG
GALSXVSLIVSAVCLMLFLCFSSII SKHSEQVHP SHFHETS LFAFRAATEKNFNVPITNV
SFASPFVGNDEFREK FVDLERLKKIRHLRISNYQDLVTLIPATTFPLPNGVQTYKHTGMN
IRLYEGRDLLAPSYRRFY PKMGSITNGLRNAMHANIPLGLSVSPIGNHLCPEYTKRLTNE
KTKEELSKLSLDGLYGDKSITGWDYIKN

>comp13641_c0_seq2; 589 216 1814 LEN=2008; translated
MGDKYDITRLPIDAVKSVAKIGAWPIHFGKTIATNVTD TAFKVI GTNTEDKPSK TPLKDD
SIYEMAESNL DIIAII YYYTEL RSETRRL LKKYTVEK GMTWEASNPEEPSQLVIL RNAVK
LVEKRSKTIQSPETTASVHVLKDYQDSVMQLEGLRKKFKLDEGDLDIFKTYFDILSEPKT
LSDVKSDTILFDNYISP AFRV SFGGTKYNRRIENLIGDDKEAYIHEIDDDFNATSLRPL
GIIKGFTSEIVWAI VVCDK KKTITV VFRG SVNASDWIKNLQCNMTNCKLPGFTSENAKGG
DVYQQVHEGFYKYLFEKTKVGMNGSNKSKGEEIMGKLGDFFSKPRFSDYSLYVTGHS LG
GALSTLFAFRAATEKNFNVPITNVSFASPFVGNDEFREK FVDLERLKKIRHLRISNYQDL
VTLIPATTFPLPNGVQTYKHTGMNIRLYEGRDLLAPSYRRFY PKMGSITNGLRNAMHANI
PLGLSVSPIGNHLCPEYTKRLTNEKTKEELSKLSLDGLYGDKSITGWDYIKN

>comp13642_c0_seq1; 310 919 2157 LEN=2184; translated
MTRPKSRISSPQRQARLRMKKANKSKT P STPLLTRDEERQITYKIRDLRRVVQIRDEL IQ
EKQEWSSLRPSFDIDAYND DFP TENDWARACDL DVSELRKVMDEGQESRLLV SANAGLV
TSIAKRHYHVLKQMTNAGGGVGTILT LQDMIQEGNLGLMKA AERFEPERGWRFSTYATYW
IRQRI LQSITDTSRVIRLPAHV TATLQKFNKARREMAAEIGRMP SDAELAHYMEIPVEKL
RKINEKARSVVSLESPLRVGSNHKAEVDRRTIGDFIASDAPTPEEDAQQKSLQDIRAVV
NELADREREVLMIRFGLDSGDP MSTSQ TATQLGITDRVRYIETRALNKL RSPQRNYRLK
DYLGDGHHAAVDNKRKAKLSGLNSQIPDSKHRSNQSKRQKPPSPEEKFWFF

>comp13642_c0_seq2; 233 919 2276 LEN=2303; translated

MTRPKSRISPPQRQARLRMKKANKSKTPSTPLLTRDEERQITYKIRDLRRVVQIRDELIQ
EKQEWSSLRPSFDIDAYNDDFP TENDWARACDLVSELRKVMDEGQESRLLV SANAGLV
TSIAKRHYHVLKQMTNAGGGVGTILTLQDMIQEGNLGLMKAERFEPERGGGLVPTPIG
FGSGFSNRSLIRPELSVCQHMVCSGKESIPMSRSEPILPFRDSHFLNNEFCGFLTFFRIL
VTATLQKFNKARREMAAEIGRMPDAELAHYMEIPVEKLRKINEKARSVVSLESPLRVGS
NHKAEVDRRTIGDFIASDAPTP EEDAQQKSLQORDIRAVVNELADREREVLIMRFGLDSGD
PMSTSQTATQLGITTDVRVYIETRALNKLRSPPQRNYRLKDYLDGDGHAAVDNKRKAKLSG
LNSQIPDSKHRRSNQSKRQKPPSPEEKFWFF

>comp13643_c0_seq1; 66 1 742 LEN=750; translated
XKATVGRVLSDAQDGDGIHLLITRPVWXS LAYTVFIHGFESRLYQWAKVFSKIWPEGEQK
SEEDALAE LRASGDAERAGIEEESWEE LMVATCRSKFSVRPRAGRAVL FYSQLPDGREDP
MSLHGGCPVLKGDKWAANLWVWNTPRE SFEGAPKREDMTSEERKRLEESSRQTAKQITAS
FINSGNDPAMKNAMLYYDEAQFWGNFGHDDPQLGANTFEGHRWNVKVDGQVVKTWVISAE
QQQEFII

>comp13643_c0_seq2; 560 123 1862 LEN=1870; translated
MMKFHRLSSTVACLAVFFVACHTVACQETNEGGDWYSNLALVIHRNGEADPCGATEAGSI
DSGFVETLTTAGDKYEMETRLTDGI AKMLDDAPSASRCGREDEKEKLNPDFHKLYRHCDR
GRKKTPIILLDHEKLVRTTTDKLPCR FYTREGRLIQNLEQLKTMAEKARTAPAQSCANPQE
GDDGLKSCEAPEVHLYAVPAGRVFHFAPAFVGETFELDHLKLLPDASKPIVLKVLATSPK
VFDILHVFTPEEAASIVERALAE TSPTHMKMRSTTGAGSASSVFSKRTSDNGFDTHGKVA
LAIKKRIFEV LGYDEYWDGHDDGLQVLRYNLTQAYVPHMDYLPVSTKSAFDYNSPRKGGN
RYATVLLYMTDIEEGDGGETVFSKI WPEGEQKSEEDALAE LRASGDAERAGIEEESWEE L
MVATCRSKFSVRPRAGRAVL FYSQLPDGREDPMSLHGGCPVLKGDKWAANLWVWNTPRE S
FEGAPKREDMTSEERKRLEESSRQTAKQITASFINSGNDPAMKNAMLYYDEAQFWGNFGH
DDPQLGANTFEGHRWNVKVDGQVVKTWVISAEQQQEFII

>comp13644_c0_seq1; 183 15 1509 LEN=1727; translated
MHGSMVQRPYGIGTRTHEMMDVKSINRFRHSSRISTIGDTNSNNIDSCRNERQPGNHKCD
SRIA AAKRNHSSSSFP MTRKIGLGFFAII IAYLYLFKVS IENFGAGEDKTSTKVPHGVLPP
TESVGVGRPV RKEQLVPSGGPSTNSHNSLAKLRPIDREQYTVRINTWRRPEQLIESVRHH
ASCPGAKQIQIVWCDKENDPPRELVD MTRDEDEQSDGSSDRSVA AKVVI EHHENSLNER
FNVLIETPTL GILSIDDVLRPCDAIDSGFFKWVRS PHRMVGF DARTHVENDDGSKYGY
LSTTKKENRYSLSLTRYCF LHKDYMARYTKGLPQTILDTVAKNFNCEDIAMSFMVSSQTR
GQPPLLADLWAIKSQIKLDVPSGISGTNTHKELRDECVDTF AAYFGLKENGGDNHRMQK
AAWIHKTKKTWGFACGAEEDDES DSTYPKSERETSLERTWERM RHAGKQEDLNRYLVKLV
YEAGEEARAKGLLAKKK

>comp13646_c0_seq1; 393 166 893 LEN=1380; translated
MISLSSATRRAVVSSTTRRSRTTLG SALS GSPILSATPSAQYLRRPATTVGKASKNRSL
SSSSAPPSSKPTGASSSSSSGPN SGGGSETQKTGTTELVPNMLLASVLGGFVVS VFSYS
MNAVGRGDGEDPLAQLKAEAEQEAR DHRD GAGVGGPGGRMTPEEIEALESGMGASLDADG
ERVVLDVAVAAPADIAAIEEEANLRVFRQKQQQGEEXEKEALVEVWILMDTARNGTEHR
SN

>comp13647_c0_seq1; 471 459 2165 LEN=2298; translated
MTRSRSQQPRALQNAHFLDGFNVADCF DVRAIPDPPSPRNIKSCHRRRVSSAVLRP MSSR
DITNRGNQNTATTDVGVCTKSSSSVRRKRKTL SHVPSTMISGWEQNNATNAARSAGDK
EVKDETVKPKTLEINLCYDDSSRMARDYAKRRKKRQSLV IPTDLPFEEQNDTSINISPK
PSQTSSKVGKAFFPGDFRSMQKLRNLVRGYCSLSSEAERGVSNEGREIELLTGYGLPRKM
ETDQVGDKSKAMLSNRRLVIQKIAPVLTQMEKRKERDIKHWENVTRCHVKKSERSGRYRY
YDVQSNERVGSQEYKRYI SHLED CRPERLEM AKVWMNKVSRVDEYTA EHHNECAINDDS
IGIFQQDCNYMDYCAIQKEAFSPPRDKNLRIERRDAGSSDTMDICDMSMSLDCGEEQQSS
DPSILSSNSNVAAPSSVFERSEIAEISEASSED TDDNPQESRSPSPTMDVLP TKLT TMEV
NGTIIRAVDNHEKGSILLEARDDDGVKGGNNDTNNHTLLPFPARDES IDPEIAAAEER
LWDKIDLALHEYSNEVMNIEKRKQNR LA

>comp13648_c0_seq1; 1011 247 2700 LEN=2770; translated
MSSESTQMASSSRGGDQSNILSSKVFRALEVRSDTPAMKAALDAL THLPDHQDDLFTVDS
RSVRVAIEQDALQOALLLQDELRSLLQTVTKL GQVAETA AIAHRVDEVIHSNVVTKSGS
GVSGLINGDKQGVGGISGAITSNDDHKDSNALSGNGFSTSGRNSDDSALEEEQRLAFVLN
NCFTRRNIARKRVEAVHEFLERFDLSEEDSRLLEHYAFEDVETS NVNGIAFLNALERVLV
IRKELGQTVGSLDMLHHQKQSHGLSEI PSFSTSFADDNRLGASSALRMMETLAQKQERAY
ERLYHWLQKYLHLHSHEQHNPGL EQHDGDR LDEVLAHPFVRRSLRVLQNP AFYSHLLEL
IAQSRSEETRFLAL TSGHNGLPPIEMRAHDSVVYVGDMLAFCFRAFSVEADVARGLY

SLEESGEEGMRVKDAKIDNNVSTEDDTDFLVEKPLTRTEMLALSMGGISRPLKSRILQV
ISNLARHPGDDDDVESDDGMDNLDEEGAFIRSNLSQLYDICGLLLFYAAAVNKSMAKLSS
SDEGAARGSKTLVEAGENPIIDVILHCLGEATNAYEASLRVYASMLEQLQLLTGDSSESL
AHIMIVRIVEARKESPGFATDVDCPKMYRQILSLDWPCNILIEAALPACKTLDDTVTLKQ
SISVARQGNLTASVAMSLEQRLSEKEGTLIDDLVGKETTEVLDFCGLGRLVVAWDYKAV
QVEGTMASFPGMTPEAEIAMKEFFSSLYSPPIPSFENTIKDPTLRKLARNKIAKRVC
RYASMYDAMLKPETGGYDDTSFLGHTPEQVNTLFTV

>comp13649_c0_seq1; 244 475 1176 LEN=1275; translated
MTLIKLYDVFETFCSHLKDATYSNVQKACMVL DSTIVAVSPIHSEPSSPAAIVGSPSSYR
SSSPRSPITSWLMGTYDSQSCSQTRFEKFCNPLIIFAGLEAIYSACTHMESNDQAHNLT
KLYEKSIEDLRWIREILCDFVSSAVQESSTRDGMNSSYQEKARILADSIEAIMLLCEIR
CNLIEQQRKMCSTEIVDVKMIGSFRLV LQNAITAENSKATRLVQSAVQDVLDLW

>comp13649_c0_seq2; 354 475 2400 LEN=2677; translated
MTLIKLYDVFETFCSHLKDATYSNVQKACMVL DSTIVAVSPIHSEPSSPAAIVGSPSSYR
SSSPRSPITSWLMGTYDSQSCSQTRFEKFCNPLIIFAGLEAIYSACTHMESNDQAHNLT
KLYEKSIEDLRWIREILCDFVSSAVQESSTRDGMNSSYQEKARILADSIEAIMLLCEIR
CNLIEQQRKMCSTEIVDVKMIGSFRLV LQNAITAENSKATRLVQSAVQDVLDLW CNLLKT
YSSLG NWEIGNIVLLTPCILSEFLDTIICQKIKLGLNLSNTCIQKWMCKVFQSFVSI
SSIFYDFS SSIIGQYGF LPSFPEKPGEDRFGPNLDLEAKLEEFRLHNRNGTSLAVAV
VVDISDLRSLRSKPETYPLVIARERS SSKSKQFLYESSDIFSSFP AIYLASSMQNNLQSR
LANRRISTRKETSDTMLENDLNGLISSREMDFWPYTSWNNLIPLLRSTTSPLSMK PDS
VGNHWSQIDSETMAFVSWISESIWFVAMEKTADENRWSRRNGEY PKKEHQFLVDLSNSL
RLRKAFESCLEVRHLELN SPTIALGNILSQGRILDDDYRLVELLQK KLGFGSQTNKFSFR
KGKQNLTESPKHLKGISNLVSDNRSHFAFFLGSTLMNYISK

>comp13649_c0_seq3; 235 475 1002 LEN=1112; translated
MTLIKLYDVFETFCSHLKDATYSNVQKACMVL DSTIVAVSPIHSEPSSPAAIVGSPSSYR
SSSPRSPITSWLMGTYDSQSCSQTRFEKFCNPLIIFAGLEAIYSACTHMESNDQAHNLT
KLYEKSIEDLRWIREILCDFVSSAVQESSTRDGMNSSYQEKARILADSIEAIMV

>comp13649_c0_seq4; 444 475 2355 LEN=2459; translated
MTLIKLYDVFETFCSHLKDATYSNVQKACMVL DSTIVAVSPIHSEPSSPAAIVGSPSSYR
SSSPRSPITSWLMGTYDSQSCSQTRFEKFCNPLIIFAGLEAIYSACTHMESNDQAHNLT
KLYEKSIEDLRWIREILCDFVSSAVQESSTRDGMNSSYQEKARILADSIEAIMLLCEIR
CNLIEQQRKMCSTEIVDVKMIGSFRLV LQNAITAENSKATRLVQSAVQDVLDLW CNLLKT
YSSLGKLGFLDTIICQKIKLGLNLSNTCIQKWMCKVFQSFVSISSIFYDFS SSIIGQ
YGF LPSFPEKPGEDRFGPNLDLEAKLEEFRLHNRNGTSLAVAVVVDISDLRSLRSKPE
TYPLVIARERS SSKSKQFLYESSDIFSSFP AIYLASSMQNNLQSRLLANRRISTRKETSD
TMLENDLNGLISSREMDFWPYTSWNNLIPLLRSTTSPLSMK PDSVGNHWSQIDSETMAF
VSWISESIWFVAMEKTADENRWSRRNGEY PKKEHQFLVDLSNSLRLRKAFESCLEVRHL
ELNSPTIALGNILSQGRILDDDYRLVELLQK KLGFGSQTNKFSFRKGKQNLTESPKHLKG
ISNLVSDNRSHFAFFLGSTLMNYISK

>comp13649_c0_seq5; 354 475 2400 LEN=2504; translated
MTLIKLYDVFETFCSHLKDATYSNVQKACMVL DSTIVAVSPIHSEPSSPAAIVGSPSSYR
SSSPRSPITSWLMGTYDSQSCSQTRFEKFCNPLIIFAGLEAIYSACTHMESNDQAHNLT
KLYEKSIEDLRWIREILCDFVSSAVQESSTRDGMNSSYQEKARILADSIEAIMLLCEIR
CNLIEQQRKMCSTEIVDVKMIGSFRLV LQNAITAENSKATRLVQSAVQDVLDLW CNLLKT
YSSLG NWEIGNIVLLTPCILSEFLDTIICQKIKLGLNLSNTCIQKWMCKVFQSFVSI
SSIFYDFS SSIIGQYGF LPSFPEKPGEDRFGPNLDLEAKLEEFRLHNRNGTSLAVAV
VVDISDLRSLRSKPETYPLVIARERS SSKSKQFLYESSDIFSSFP AIYLASSMQNNLQSR
LANRRISTRKETSDTMLENDLNGLISSREMDFWPYTSWNNLIPLLRSTTSPLSMK PDS
VGNHWSQIDSETMAFVSWISESIWFVAMEKTADENRWSRRNGEY PKKEHQFLVDLSNSL
RLRKAFESCLEVRHLELN SPTIALGNILSQGRILDDDYRLVELLQK KLGFGSQTNKFSFR
KGKQNLTESPKHLKGISNLVSDNRSHFAFFLGSTLMNYISK

>comp13649_c0_seq6; 444 475 2355 LEN=2632; translated
MTLIKLYDVFETFCSHLKDATYSNVQKACMVL DSTIVAVSPIHSEPSSPAAIVGSPSSYR
SSSPRSPITSWLMGTYDSQSCSQTRFEKFCNPLIIFAGLEAIYSACTHMESNDQAHNLT
KLYEKSIEDLRWIREILCDFVSSAVQESSTRDGMNSSYQEKARILADSIEAIMLLCEIR
CNLIEQQRKMCSTEIVDVKMIGSFRLV LQNAITAENSKATRLVQSAVQDVLDLW CNLLKT
YSSLGKLGFLDTIICQKIKLGLNLSNTCIQKWMCKVFQSFVSISSIFYDFS SSIIGQ
YGF LPSFPEKPGEDRFGPNLDLEAKLEEFRLHNRNGTSLAVAVVVDISDLRSLRSKPE
TYPLVIARERS SSKSKQFLYESSDIFSSFP AIYLASSMQNNLQSRLLANRRISTRKETSD

TMLENDLNGLISSREMDFWPYTSWNNLIPLLRSTTSPLSMKPDVSGNHWSQIDSETMAF
VSWISESIFWFVAMEKTADENRWSRRNGEYPKKEHQFLVDLSNSLRLRKAFESCLEVRHL
ELNSPTIALGNILSQGRILDDDYRLVELLQKKGFGSQTNKFSFRKQKQNLTESPKHLKG
ISNLVSDNRSHFAFFLGSTLMNYISK

>comp13650_c0_seq1; 522 1 1544 LEN=2126; translated
XQLVEEEFIIENRKKKTNYVVDDAAQWLINLLSFIYRSDDHRTNCDVRKQPAPAVPSRK
VWCIARENEESQNAVAVVATVLTASATVSVSAFAGTGLQRRTRPSLRTDILRIPGAQQRI
RRFRNGAVLSGNVGAIRCAGESIRSSRTRVDGASKNLWSIQDCLEQWNSLDGNTSTATKDG
EGAGTQQEQQRQIRIVFVDATWYHKGERNGRDEFEAGPRLPGAFHWDIGDLATTGELFPED
NPKGLKNVFPPEWLVSALERMVLPDATTVSGGGPDATGGPSAASPVTLVVYGRDGR
FAPRVWYMLQKYRGGPVRLQGSLEEWIERGGPVDRGPLKSDDGSAVLQAHDLAEGSE
PPSLHPWISSEARNRLVDMTFVLECLKDEQQQEQGQKTDANLPSVIDTRGSSFAKKGHI
PGAVHVPIYASLTLPEDFTTLSKRELEKVLKAMGDERYDRLGEPPLLTCTGTGVSCTT
ALVLDELGLPEPWIYDGSWNEWGGDPTTPKAGVP

>comp13651_c0_seq1; 110 991 1621 LEN=1870; translated
MPLPKRWKSKPPPAGFEAIEATLEAIEHELDRDIKETNERKPTESMWPVHQIGWQKSR
VYDMFYTYKRISRVPVYCYLRLQKLVDAALIAKWKKPCYERLCSTYVINPTNYKFGTTSIC
RVPMKDRSPEQRTATDPTTGCLGCASGPGAGPRNIFGNKYGQYLATVQVAREARIAGAKE
QRKKEEEERTGNDETNDSDTDSGGDDGVW

>comp13652_c0_seq1; 309 725 1543 LEN=2233; translated
MAFGRKGPKIVEAPPVEDIADPTAWILDNEFANFVLMNTHAIKYMCMIGYTFLHGCKVFK
KFKPDAPFSYKLVNLAAMACTGGGILVPIFLNTVPVTLSDAYPIAIMISYLLHTYIPSLR
EVLELSGIFKAVVILFYESIRAYVVTFLTGLAASTIAASQFSFPVFGPIICGTIGGCGGA
FLPLDKGLAPLHDGLPAPVFSFAFVGATFFHLFTQLYAEVVDCKKKKGVIVALWFIYAY
VKAGLFSAPSTKAPEAPKTEVKEAPIKVEKTE

>comp13653_c0_seq2; 128 1 507 LEN=507; translated
XPSLYPYIIIESQRMLDQLAANPAGTLLTSFNHYHSQILVEMSDGSGWIDEISLPDVSTGAYD
GVTLMTVTVGGLSVQVSDLQGDLSVTLDYGLFVVSNGQWLGPESSSSFVSDYPVVISVKT
IGQPDGLSGLPPDELSQFFQFHRWVIFQWDFNWVREIILPPNAPEGSMX

>comp13654_c0_seq1; 248 1411 1983 LEN=2357; translated
MTVGKPFNGMSLGAVVTTRAIADHFHSMGVEYFNTFFGGSPVAAAAGLAVLDILEDEEELQ
EHAFAMGQYLKDRFLAMQKERWENDSAAPLNVCIGDIRGSGFLGLIELVRNRQTKEPAAI
ETSYICTLLKQEHNILTSIDGLHENVLVIKPLAFSREDADYFVESFSSASEQVNSMTKT
ELAAISKPT

>comp13654_c0_seq2; 262 165 1805 LEN=2179; translated
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VSYNNSGGLMIMKKGKGSILIDETGRSYLDTRNNVCHVGHCHPRVVEAVSRQLATLNTNTR
YLHPNVCELAERLCAKCPDSLEIVVFNVSSEANDLALRLARAYTRSKNTIVVDGAYHGH
TLGVLEVSPYKYEHSKEFDLTAQNGIGPYKTPGNHIWKVPCPDVYRGPHSDRNAGEKYA
SYVKAACDYKSKGETVGAFFMESGMSSEGELIVSLLFTLYAGDLKRNQMIRNPKFICFSL
NGVILPPDEFVQRQSVDAVRKSGGVFIADEVQTFGFRGLGSSFWAFQHGHDGHIIPD
IMTVGKPFNGMSLGAVVTTRAIADHFHSMGVEYFNTFFGGSPVAAAAGLAVLDILEDEEELQ
EHAFAMGQYLKDRFLAMQKERWENDSAAPLNVCIGDIRGSGFLGLIELVRNRQTKEPAAI
ETSYICTLLKQEHNILTSIDGLHENVLVIKPLAFSREDADYFVESFSSASEQVNSMTKT
ELAAISKPT

>comp13654_c0_seq3; 395 165 1706 LEN=2080; translated
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VSYNNSGGLMIMKKGKGSILIDETGRSYLDTRNNVCHVGHCHPRVVEAVSRQLATLNTNTR
YLHPNVCELAERLCAKCPDSLEIVVFNVSSEANDLALRLARAYTRSKNTIVVDGAYHGH
TLGVLEVSPYKYEHSKEFDLTAQNGIGPYKTPGNHIWKVPCPDVYRGPHSDRNAGEKYA
SYVKAACDYKSKGETVGAFFMESGMSVGGVILPPDEFVQRQSVDAVRKSGGVFIADEVQ
TFGFRGLGSSFWAFQHGHDGHIIPDIMTVGKPFNGMSLGAVVTTRAIADHFHSMGVEYFNT
FFGGSPVAAAAGLAVLDILEDEEELQEHAFAMGQYLKDRFLAMQKERWENDSAAPLNVCIG
DIRGSGFLGLIELVRNRQTKEPAAIETSYICTLLKQEHNILTSIDGLHENVLVIKPLAFS
REDADYFVESFSSASEQVNSMTKT
ELAAISKPT

>comp13654_c0_seq4; 325 875 1884 LEN=2258; translated
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KYASYVKAACDYKSKGETVGAFFMESGMSVGGVILPPDEFVQRQSVDAVRKSGGVFIAE
VQTFGFRGLGSSFWAFQHGHDGHIIPDIMTVGKPFNGMSLGAVVTTRAIADHFHSMGVEY
FNTFFGGSPVAAAAGLAVLDILEDEEELQEHAFAMGQYLKDRFLAMQKERWENDSAAPLNVC
I

GDIRGSGFLFLGIELVRNRQTKEPAAIETSYICTLLKQEHNILTSIDGLHENVLVIKPPLA
FSREDADYFVESFSSASEQVNSMTKTELA AISKTPT
>comp13655_c0_seq1; 167 297 803 LEN=1115; translated
MAGFSGRPDRFLGVHFFNPVQLMKVVEVIETNETDPTVLEKGMKWVEEIGKVSVLCKDTP
GFIVNRILVPSLMQSMVDRKEASVKDQVDVAMKLGCGHPMGPLHLADYIGLDTCHSIVQ
GWTENFPDEPAFFIPACLQEKIDAGDLGRKTGKGFYHWEGRRGDPVE
>comp13655_c0_seq2; 309 645 1352 LEN=1664; translated
MTLDFANDAMGRIEFTTMDALKDQVDFVVEAVVENIDLKLDLYTSLGDLCKPETIFASNT
SSLSIAEMAGFSGRPDRFLGVHFFNPVQLMKVVEVIETNETDPTVLEKGMKWVEEIGKVS
VLCKDTPGFIVNRILVPSLMQSMVDRKEASVKDQVDVAMKLGCGHPMGPLHLADYIGL
TCHSIVQGWTFENFPDEPAFFIPACLQEKIDAGDLGRKTGKGFYHWEGRRGDPVE
>comp13655_c0_seq3; 340 281 1219 LEN=1531; translated
MAVTATRSTASPADGSGFDTVGCVGLGLMGHGICQVAAMSGVHASKVIAFEQEQQFLDS
GQDRILKSVKLEKVKMTLDFANDAMGRIEFTTMDALKDQVDFVVEAVVENIDLKLDLY
TSLGDLCKPETIFASNTSSLSIAEMAGFSGRPDRFLGVHFFNPVQLMKVVEVIETNETD
TVLEKGMKWVEEIGKVSVLCKDTPGFIVNRILVPSLMQSMVDRKEASVKDQVDVAMKLG
CGHPMGPLHLADYIGLDTCHSIVQGWTFENFPDEPAFFIPACLQEKIDAGDLGRKTGKGFY
HWEGRRGDPVE
>comp13655_c0_seq4; 151 597 977 LEN=1289; translated
MKWVEEIGKVSVLCKDTPGFIVNRILVPSLMQSMVDRKEASVKDQVDVAMKLGCGHPM
GPLHLADYIGLDTCHSIVQGWTFENFPDEPAFFIPACLQEKIDAGDLGRKTGKGFYHWEGR
RGDPVE
>comp13656_c0_seq1; 759 179 2163 LEN=2398; translated
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FASTAGDGVLDSPRGENYENELHTSYNRNNTNGNVGLYIHIPYCRQRCRYCDFAIPIGY
HGATNTSTRSNMIDLEANPSSADNNKNGGQLDRREQGFRKMNDRYVSAIIVAEKHIAAES
NYKTNNNEQDGLICQKIPLRSIYFGGTPSLAPIDSIEKILYHACGSDNPDPFRIVQNG
GACTAAEATEITMEMDPGTFDQNLHSSLRDLGINRISLGVQSFDDLLAAMGRTHRRADV
LQAVCDIASVFGGADHGASNTTAYDDVNYSIDLISGCPGLTPAKWAETLQEATAGVQAXK
IESATTAEEEEANMELVSENFEQSQLLLLSSLPSSHISVYDMQIEEGTVFGKWARARAD
AATKAKEEEQTQTSQEGKDVDNDDDDDDPSRKFTVAVPIDGRQQNPNKAKRILRLPTEE
ECGFMYKYAAGYLRKANYEHYEVSSYAANCVSKKEQSIYDGEDSSKQIIPSSSTKRSR
NQIYWEYVQWHAVGLGATS FVGKLVARPREMSDYLDWVFLNDDFTNINAEDDGDGED
FLSDLLLRLRTIDGLDLTWLESHYGSVVKDVIDGAALGLELGLAERTEDNVLRLTDPD
G
>comp13657_c0_seq1; 254 311 1448 LEN=1448; translated
MTMRSRFRKFRVASALVIAIESFFVLEVMTFQPFTRIGRITSSSPSSSSPLIAYNHLTEPK
PTQAPSILGWIPSSSFHPLKSIERGEKNEDHVDSLVLKDDGDVNSFSGTSQKVDDILA
LLDSVPSNLPTSRSLTDKILAAVQTLDECEPSTNESVLSSELGNWELLWTAQDRSSEQYV
KGLANRFINPLENQSYNNPFRGQNPLRRQNDDEDDSSNNGRANPILPREIQDVLERTGI
LEAAGGTTLAPIRSSQGIDLRRSRVRNVVNVQIQRPLPVKGSVVDIDFKPNDRDQRRID
VKFDSRFRVFNARIDQTFNLGIFGPGDGCPTSMTEYESREVTKEACLFCLGLPRENL
CSIKVKPTNETDRNDAARG
>comp13657_c0_seq2; 310 311 1396 LEN=1954; translated
MTMRSRFRKFRVASALVIAIESFFVLEVMTFQPFTRIGRITSSSPSSSSPLIAYNHLTEPK
PTQAPSILGWIPSSSFHPLKSIERGEKNEDHVDSLVLKDDGDVNSFSGTSQKVDDILA
LLDSVPSNLPTSRSLTDKILAAVQTLDECEPSTNESVLSSELGNWELLWTAQDRSSEQYV
KGLANRFINPLENQSYNNPFRGQNPLRRQNDDEDDSSNNGRANPILPREIQDVLERTGI
LEAAGGTTLAPIRSSQGIDLRRSRVRNVVNVQIQRPLPVKGSVVDIDFKPNDRDQRRID
VKFDSRFRVFNARIDQTFNLGIFGPRGWLRTGYIDDRIRVTRGHKGSVFILSR TAKRKS
V
>comp13658_c0_seq1; 574 1 1011 LEN=1329; translated
MDDDGVVVLRINDPTARLRVWAGWATGHSVRLVPLVLEPGEASASTEGRREEQIAQLE
EAVEEIEEDI EGMEELKEEEFRNSGQEKLLRDQEKLEKLEKLLGDPGGDANKHNEHEAD
NDAGAKPKAAEATTDATTCKQRSKLKRKRKNMLEKPGNVPDGLLESDKGGKKDLGLE
ILPASGSNADQNANGDAKPKTMPQKLEQTLNLPSEQTDETTKGKHLTDHTSRGRRDR
HPVVYDGIIDGGTDDDLPEMLPDSVNDDELPEDEGTGDDDVVVVPEHTPTPGSRVAGERG
HHDVKQHLLACAFFAFASTGLILVVF GKRRDKGRRDL
>comp13659_c0_seq1; 259 73 678 LEN=1505; translated
MVL SNVKVIDGRDHLGLRLASVAKELLAGQKIVIVRCDEMCSISGLVRNRVKYAQFRNK

AMNTNPRKGPYHYKAPAMMVWRTIRGMVHQKTARGQAALARLSTFDGIPAPYDKQKRVV
PAALRSMLKQGRKYTVIGVLADSVGWKHKELLGRLEAKRKADAKEFYEAKKAKAALRRQ
AEEACAGELAKVNEVLAASGY
>comp13659_c0_seq2; 259 73 678 LEN=1426; translated
MVL SNVKVIDGRDHLLGRLASVVAKELLAGQKIVIVRCDEM CISGSLVRNRVKYAQFRNK
AMNTNPRKGPYHYKAPAMMVWRTIRGMVHQKTARGQAALARLSTFDGIPAPYDKQKRVV
PAALRSMLKQGRKYTVIGVLADSVGWKHKELLGRLEAKRKADAKEFYEAKKAKAALRRQ
AEEACAGELAKVNEVLAASGY
>comp13659_c0_seq3; 259 73 678 LEN=1493; translated
MVL SNVKVIDGRDHLLGRLASVVAKELLAGQKIVIVRCDEM CISGSLVRNRVKYAQFRNK
AMNTNPRKGPYHYKAPAMMVWRTIRGMVHQKTARGQAALARLSTFDGIPAPYDKQKRVV
PAALRSMLKQGRKYTVIGVLADSVGWKHKELLGRLEAKRKADAKEFYEAKKAKAALRRQ
AEEACAGELAKVNEVLAASGY
>comp13660_c0_seq1; 317 1 1428 LEN=1551; translated
TTI ICKQSTKRTSQPIHEIHTPLPLELEPIGEKQKINNPLED SHRTMYHHRPVSFTGRAN
SHGR TMQSSSIGLQDENLMVRRASQHKPSGGSHGSAKKSVLGARSSGASNGLSRTPAG
KKNSTTRRRAFGD ISNKKGSSGSGRGGFGRDLSAKGQAASSLQKPHAGDVLKPRSVNLLP
RPARAQSSQTSRFLVLP EAPRPSGAKPAPQVRPAKQQTVRQTRNPPPAATTRMRTRALAR
AESVPDIELPAGRTWKQQL EHELKHEDDFASTLSLDSILDLDGCPTPREQWEREMELEWE
RQKDEAGEDERRLEDQLRAMADRDRKETEEGLVRLYETIDDLAIFSDDDGIDLGVSEALG
DGRSLSDSSGLDLDSSD DDDYLLLXDL SVGSEKQRCARAIGATSVPLTATANAELQGP
QRRCRDHDQCLVSSQIPGIEDSRINLVFVGLFDGRRRAESIESGNTEQNFVRSFGF
>comp13661_c0_seq1; 773 1 1740 LEN=2454; translated
LRSLVQRITYYP AQYKNKNLSFTMADNTKFEDRKNAFKKTVD AEEGRRRREETT LQIRKS
KKDARLAKRRQMPTGGLSNPTAAGMAAANMLMNSGDNTYANLAMQONTSSQAGRAMA QSK
LEQLPAMVQGVGMNDPTLQTECTTQFRLLSIEKNPPIQNVIDAGVVPRFVEFLQRDDNP
ALQFEAAWALTNIASGTS DHTKVMEVGVAVPIFVRLLLSPNDDVREQAVWALGNIAGDSP
PCRDLVLQAGAMQPLLQQLHQNSKLSMLRNATWTL SNFCRQKPPDFEMVRPSLPTLSQL
IFSPDEEVLTDACWALSYSLDGPNEKIQAVIEAGVCRRLVE LLLNPSPAVQTPALRTVGN
IVTGNDLQTQFI INNNALPCLLALLSSPKKIRKEACWTISNITAGNKEQIQAVVENNII
PPLIQLLTNAEFDIRKEAAWAI SNATSGGNSQIKFLVQQGCIRPLCDLLTVNDPKIVTI
ALEGLENILKVGEESAAATGQPN SMAV FVSEAEGLNKIEDLQQHSNNDIYEKCIKILEAY
FGVEDEEEMAALAPQMEGNTFGFGMDQQQTQGTDFDFTQS
>comp13662_c0_seq1; 306 1 783 LEN=959; translated
PIRYVTFPQLLDPVQCRTIVEDSRADV VVWCATDFNGSTPRALSGGSGPLSGLPFLFRAV
ADPDKGRVEVEGLRNMLGALKNSKREAIQRRRQMTAFTGRPRESPMDDAGPPAGRDEAEG
PEAEAAGIDFLLVSSCPDALGNFETPFGTFLDIKROGEDMIPMEFPSLGYSVLQFATFED
NFVGEDLELKL MVVENEAPRV PPTDGP PREEEQQPQPQKRQRKVRRI NRRDAARAVGDA
LVDPDYHNKKIQVWTNEVGN
>comp13662_c0_seq2; 529 1 1467 LEN=1643; translated
SSASAPAPGRPRV VSLALAAALVACSACRESAAAFSSQ GALPAHARSAPAASVLF AEPPER
NSGDESENE NENENQ NENDAEKDAEKWRAQAEELREQIRRM EGDLPDRPLSDERAAALDAA
KKLAEEQRTAREEQASLLDGKRVLLV GANGLGSMVCRRI LREYPEIEEVVAMVHV VGEN
SETSRGYGRLAYE VEGAEDGRG SIGPAWSADDRVATFEYDEERMGSYNLQKLRVVECELLD
PVQCRTIVEDSRADV VVWCATDFNGSTPRALSGGSGPLSGLPFLFRAVADPDKGRVEVEG
LRNMLGALKNSKREAIQRRRQMTAFTGRPRESPMDDAGPPAGRDEAEGPEAEAAGIDFLL
VSSCPDALGNFETPFGTFLDIKROGEDMIPMEFPSLGYSVLQFATFEDNFVGEDLELKL M
VENEAPRV PPTDGP PREEEQQPQPQKRQRKVRRI NRRDAARAVGDALVDPDYHNKKIQ
VWTNEVGN
>comp13663_c0_seq1; 622 124 1638 LEN=1972; translated
MKKFGRLKLLKSSSSDVADTENRSSSETAESNGLDESSPVDKLC SNNLVENE EHRKQLF
GFIGK KKKVRGGERKDGEETIKSKTANDDGE EENENDNGEEDVHKLLEEMDIIDFNMSM
SLDYDVEDKVGV TETSQNRLEREEVFSQRYHPSKLETKELKELAQRLGVNSSSMRLTAC
QKNLHEL LYGNSH IILKQGPISFNYQNCDLILLTDGFVSAYQNYNIY NPLEGRYETCQLW
SDVKFVELPNFGTLKI QMSSGESFEIRCP SDGADLKRWLKAI EHVA IILSTMHSSDPPSMV
TDQLGWQYILIRKPAYTAAVTGDMKLMGNPENLNELDEYNRSSPLHYAIQAEPCNVDMVD
ALLRGGADPNLVDGEGRSAMY YAQRNKSLDIEQMLINCGGKKSQ LIETELRGELFGGVDQ
AAKNT EKREIEQAVKDNKAAEAAAKVQSAQS QMSQNMAMAERGEKIKAMDDKAQQQLND
EAREYGNLASQLNNHMKNKKWYQF
>comp13664_c0_seq1; 430 329 1836 LEN=2092; translated

MNKNEGSAPIXSKKRPEKNKDKKRRGGRQSYRFVDRTRVQVSGGSGGNGSRSMHHLGRKR
KRKPDGGHGGNGSVLI IADPKEQSLRWTRPHLTAESGAHGGSNKGHRNGRNTILRVPC
GVVVRVLEHDEYYDDETKTIQKVSDALVVQTNDEESYELWETKSPSPTETRVRDGYEQT
LEDLNRNRQAGGYLASLDYDSDDDDCNDESDDDERVFYNYDGS DSGLNVDQIEPTMNF TA
WGEKEKVEIADLDQPGSHIVVARGGRGGYGNSSFASINGPLPSPEIMEKYAEPKPGECR
LELELKL IADIGLVGFPNAGKSSLLSATS RATPYIAPYPTTLNPLVGYIEYKDGFRVCA
ADVPGLIAGASEGKKGHDFLRHLERTKALLYIVDAAGIDGRDPVEDFEVLVQELSAYGD
GDMLNRRCLLVANKIDLLEDEREEVFANLQERAEELGIRIETDVIIGISAGATGENLPLL
TKSIRKTVLSSDNDKASEYGYG

>comp13665_c0_seq1; 443 223 1902 LEN=2469; translated
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FVNLGACAGALIHGDIVLTA AHCTFVVGSTAQVGAHERGSTTDDSVYVQVLKEKTHPEYN
TETHEYDFRLLKLERWVNKPLASLN RDSTIPRNENSGPLTVLGMGRTEEDGNVSSTLLSA
EVYQINSMECQDLYPEFLINNEVVCAAGQGRDSCDGD SAAPLLSADGSVIGLVSWGLGC
AREARPGVYSRLSAGYEWIQETICYFSEKPP LSCGVSKEFGNSTFFGLDGDVSVSTDSMA
GQDSTPSGKATKQHELSSEPF TFQSPSPSPLGSSLEKSLVPSISLPGTPTFSPTIHPAY
TYAPHTSGNFFMPVSTTSNIKEVTTLSISPRSP TTKPTFGSAPERITLLPIASPSNMPI
ESEHTIDLRPPP ISTPFVVPVTEQPTWDQTI EPTPFPTAIPRTLDPGNRNSNIDGGQLNGD
SSLTTQWVPLGVYIFIPRVENPFVGVWEVIQGN TIARRKPF GSYQVSSVYHEL VYVKADS
DFTFYMDMNSNR SRGKSK

>comp13665_c0_seq2; 371 617 2073 LEN=2517; translated
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LASLN RDSTIPRNENSGPLTVLGMGRTEEDGNVSSTLLSAEVYQINSMECQDLYPEFLIN
NEVVCAAGQGRDSCDGD SAAPLLSADGSVIGLVSWGLGCAREARPGVYSRLSAGYEWIQ
ETICYFSEKPP LSCGVSKEFGNSTFFGLDGDVSVSTDSMAGQDSTPSGKATKQHELSSE
PFTFQSPSPSPLGSSLEKSLVPSISLPGTPTFSPTIHPAYTYAPHTSGNFFMPVSTTSNI
KEVTTLSISPRSP TTKPTFGSAPERITLLPIASPSNMPIESEHTIDLRPPP ISTPFVVPV
TEQPTWDQTI EPTPFPTAIPRTLDPGNRNSNIDGGQLNGDSSLTTQWVPLGVYIFIPRVE
NPFVGVWEVIQGN TIARRKPF GSYQVSSVYHEL VYVKADSDFTFYMDMNSNR SRATMAL
RWRGTW

>comp13665_c0_seq3; 471 223 2013 LEN=2393; translated
MQSISCVLFLITAILS SVQVDARLKGTYKEQATTDGQNNKGKKSTRIVGGAEVPTNQDYPF
FVNLGACAGALIHGDIVLTA AHCTFVVGSTAQVGAHERGSTTDDSVYVQVLKEKTHPEYN
TETHEYDFRLLKLERWVNKPLASLN RDSTIPRNENSGPLTVLGMGRTEEDGNVSSTLLSA
EVYQINSMECQDLYPEFLINNEVVCAAGQGRDSCDGD SAAPLLSADGSVIGLVSWGLGC
AREARPGVYSRLSAGYEWIQETICYFSEKPP LSCGVSKEFGNSTFFGLDGDVSVSTDSMA
GQDSTPSGKATKQHELSSEPF TFQSPSPSPLGSSLEKSLVPSISLPGTPTFSPTIHPAY
TYAPHTSGNFFMPVSTTSNIKEVTTLSISPRSP TTKPTFGSAPERITLLPIASPSNMPI
ESEHTIDLRPPP ISTPFVVPVTEQPTWDQTI EPTPFPTAIPRTLDPGNRNSNIDGGQLNGD
SSLTTQWVPLGVYIFIPRVENPFVGVWEVIQGN TIARRKPF GSYQVSSVYHEL VYVKADS
DFTFYMDMNSNR SRVRF E IYSWLKRRWHYVGGGLGKGQMYDYPHIETF SVGENSL

>comp13665_c0_seq5; 371 455 1911 LEN=2355; translated
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LASLN RDSTIPRNENSGPLTVLGMGRTEEDGNVSSTLLSAEVYQINSMECQDLYPEFLIN
NEVVCAAGQGRDSCDGD SAAPLLSADGSVIGLVSWGLGCAREARPGVYSRLSAGYEWIQ
ETICYFSEKPP LSCGVSKEFGNSTFFGLDGDVSVSTDSMAGQDSTPSGKATKQHELSSE
PFTFQSPSPSPLGSSLEKSLVPSISLPGTPTFSPTIHPAYTYAPHTSGNFFMPVSTTSNI
KEVTTLSISPRSP TTKPTFGSAPERITLLPIASPSNMPIESEHTIDLRPPP ISTPFVVPV
TEQPTWDQTI EPTPFPTAIPRTLDPGNRNSNIDGGQLNGDSSLTTQWVPLGVYIFIPRVE
NPFVGVWEVIQGN TIARRKPF GSYQVSSVYHEL VYVKADSDFTFYMDMNSNR SRATMAL
RWRGTW

>comp13665_c0_seq6; 377 617 2055 LEN=2622; translated
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LASLN RDSTIPRNENSGPLTVLGMGRTEEDGNVSSTLLSAEVYQINSMECQDLYPEFLIN
NEVVCAAGQGRDSCDGD SAAPLLSADGSVIGLVSWGLGCAREARPGVYSRLSAGYEWIQ
ETICYFSEKPP LSCGVSKEFGNSTFFGLDGDVSVSTDSMAGQDSTPSGKATKQHELSSE
PFTFQSPSPSPLGSSLEKSLVPSISLPGTPTFSPTIHPAYTYAPHTSGNFFMPVSTTSNI
KEVTTLSISPRSP TTKPTFGSAPERITLLPIASPSNMPIESEHTIDLRPPP ISTPFVVPV
TEQPTWDQTI EPTPFPTAIPRTLDPGNRNSNIDGGQLNGDSSLTTQWVPLGVYIFIPRVE
NPFVGVWEVIQGN TIARRKPF GSYQVSSVYHEL VYVKADSDFTFYMDMNSNR SRGKSK

>comp13665_c0_seq7; 377 455 1893 LEN=2460; translated
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LASLNRDSTIPRNENSGPLTVLGMGRTEEDGNVSSTLLSAEVYQINSMECQDLYPEFLIN
NEVVVCAAGQGRDSCDGDSDAAPLLSADGSVIGLVSWGLGCAREARPGVYSRLSAGYEWIQ
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>comp13665_c0_seq9; 343 1 1758 LEN=2202; translated
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>comp13665_c0_seq12; 405 617 2166 LEN=2546; translated
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>comp13665_c0_seq13; 349 1 1740 LEN=2307; translated
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>comp13666_c0_seq1; 136 1 186 LEN=496; translated
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>comp13666_c0_seq2; 261 1 883 LEN=1051; translated
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>comp13667_c0_seq1; 95 1 1356 LEN=1667; translated
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>comp13668_c0_seq1; 882 1 2341 LEN=2369; translated
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>comp13668_c0_seq2; 1100 276 2906 LEN=2934; translated
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>comp13669_c0_seq1; 775 255 2633 LEN=2808; translated
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>comp13669_c0_seq2; 754 473 2757 LEN=2932; translated
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>comp13670_c0_seq1; 1483 229 3477 LEN=3801; translated
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>comp13670_c0_seq2; 1060 1 2188 LEN=2512; translated
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>comp13672_c0_seq1; 639 551 2113 LEN=2238; translated
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>comp13672_c0_seq2; 379 1 866 LEN=991; translated
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>comp13672_c0_seq3; 139 1 522 LEN=522; translated
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>comp13672_c0_seq4; 644 1 1785 LEN=1910; translated
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>comp13674_c0_seq1; 475 97 1953 LEN=2105; translated
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>comp13674_c0_seq2; 1118 156 3857 LEN=3879; translated
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MVEPFWVLFRRAMTEELRRTGAYAFIADVLKTNKEYEWGFHFAPLFRRHLESLKHKGSV
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QCTTVVSYFCGNSISKFNDEERDMRVLEESSETFPVMSSWQPTLRMLSICTYNFAVACN
VSLFSGWESEEFMTKVLKRKQGLRHFGVHIGDRRLSGCLPDVIEDELNRQWNLLSKIQP
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>comp13674_c0_seq3; 1334 156 5024 LEN=5176; translated

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KEVARGAPSAPQVYSSGLMVYEDMLKESRKRHRHEMELSGATSSVESTKQKTEVIQAEES
DQGESKEESIPDRFLANQCILATKAYGSHHVAAILCKKDFTLWVRAGDSAIDIADVHDEV
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SYPKLDFAEKMSIKQSEWFQSESKTRQETLRHAPIASYAEEDALQVFLAYTAICIHLSR
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YLCSFVARVCLHRDSREVNFKWDRWKIVGIYAYNVSMIRITVSNILNQTMQAFMAA
WERDVVEELERGRDRGRSWINALSRNVKIDIGLESGLKLDPSRAKNVEKLOGADSVGRLEL
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SV

>comp13674_c0_seq4; 259 97 786 LEN=808; translated

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IEDELNRQWNLLSKIQPSYPKLDFAEKMSIKQSEWFQSESKTRQETLRHAPIASYAEEDA
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PLV

>comp13674_c0_seq5; 907 156 3144 LEN=3144; translated

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KEVARGAPSAPQVYSSGLMVYEDMLKESRKRHRHEMELSGATSSVESTKQKTEVIQAEES
DQGESKEESIPDRFLANQCILATKAYGSHHVAAILCKKDFTLWVRAGDSAIDIADVHDEV
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MVEPFWVLFRRAMTEELRRTGAYAFIADVLKTNKEYEWGFHFAPLFRRHLESCLKHKGVS
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>comp13675_c0_seq1; 503 1 1325 LEN=1729; translated
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>comp13677_c0_seq1; 359 1 1080 LEN=1142; translated
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IPGKNGGGDAGDPFQELFDALCRLVSLHPLEPDSGDDGGLFGAGGVIGGGFGDDGAADY
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>comp13678_c0_seq1; 292 158 754 LEN=1471; translated
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LDTYLGSDFYTNAASVVGEGTATMTAGRGTVPVTKNLFASFELKDDDLKAQLEGQQA
LAAENDGARSDNSTKEEL

>comp13679_c0_seq1; 221 751 1545 LEN=1653; translated
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SQILWLYGENDEVTEVGAMNFFVYWINKDTNRPELV TASLDRGDILPGVTRDSILELTRE
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RVWDEIVGIQYRKIDGPPGWIVEL

>comp13679_c0_seq2; 185 1280 1750 LEN=1858; translated
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>comp13679_c0_seq3; 260 519 1436 LEN=1544; translated
MRTTFLGLECFEGMKAYRSEDEDSINLFRPDKNMERLTNSMDRLQMPGTD FENKELVNLI
GELVKIDKDWIPSGEGYSLYIRPTVIATHQFLGVAPPESILLFVICSPVGPYYKTGFDP
IKLTADTDCVRAWPGGTGNAKVGGNYAATMKPAAVAAAKGYSQILWLYGENDEVTEVGAM
NFFVYWINKDTNRPELV TASLDRGDILPGVTRDSILELTREWGDFDV SERSITMNEIKEA
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WIVEL

>comp13679_c0_seq4; 308 95 1312 LEN=1420; translated
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EEDSINLFRPDKNMERLTNSMDRLQMPGTD FENKELVNLI GELVKIDKDWIPSGEGYS
LYIRPTVIATHQFLGVAPPESILLFVICSPVGPYYKTGFDP IKLTADTDCVRAWPGGTGNA
KVGGNYAATMKPAAVAAAKGYSQILWLYGENDEVTEVGAMNFFVYWINKDTNRPELV TAS
LDRGDILPGVTRDSILELTREWGDFDV SERSITMNEIKEASQENRLLLEAFGAGTAAVVTP
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>comp13679_c0_seq5; 185 1171 1641 LEN=1749; translated
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VTRDSILELTREWGDFDV SERSITMNEIKEASQENRLLLEAFGAGTAAVVTPVSCIQYKGE
DIAIPAVGDLTRRVWDEIVGIQYRKIDGPPGWIVEL

>comp13679_c0_seq6; 185 1047 1517 LEN=1625; translated

MKPAAVAAAKGYSQILWLWYGENDEVTEVGAMNFFVYWINKDTNRPELVLTASLDRGDILPG
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DIAIPAVGDLTRRVWDEIVGIQYRKIDGPPGWIVEL

>comp13680_c0_seq1; 524 1 2695 LEN=2695; translated
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TEVAVGDLDPSTTPIPAIMNAWAKTKSSHGASMVEKWLNRQAEEYDAGNIKVVPTNKMFT
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CAFTKREEDRLGALQISFRVYDWLAAQPDIEPDAYTYTILLSVCSNLLPREDRSSRFSHA
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>comp13680_c0_seq2; 880 213 3910 LEN=3910; translated
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GPSIGAFSADTRNSQFQTSKAESYDSSIRDISESISQFHLKGTGDDAKTAIASISSNNTY
GSNVIPGVVAASSGSTGGTGETSLTGQRYQQIYSHGRRNAQSTMNSNAQIYYPKAHSLQQ
QPPPGFESHVLEDSIFPRYQNDVRHGNRSRQKTNNRRGWQKKEKPKAEENLNNGKGM
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EDSFFVVGADLSIDDTTATTHSKKNDWLLRMNRRLTEVAVGDLDPSTTPIPAIMNAWAKTK
SSHGASMVEKWLNRQAEEYDAGNIKVVPTNKMFTMAVDAWAKSGEGVSAAQRAETILQH
MKKYQTTGLDDLRLPTTGI FNAVINAWARSKDKIAPSRAEQILKWMNDLHKSNSPSIQPKY
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YTAVIDAWAKSGYRGAAARADQLLDTMESKYLADIGLKPNTFTYNAVINALAKSGEPSA
AARAERVLHNMVNRHKHGGSDDVKPTTINFNSVLDAWAKSGGGRKAAERAEIELEWMDRL
YKSGNYSVKPDTITFNAVLDAWARSCKMAAHRAEQILDHMEDELRYRAGNEGVPDITYNT
TLINAHAKSSEKGSAAAEHVLQVMKQRYLDGDGDFKPNTRTHTSVIDAWAKSGERGAAR
RAEQILNSMIATFEESGDYDSKPNVHTANAVCNACAFKREEDRLGALQISFRVYDWLAA
QPDIEPDAYTYTILLSVCSNLLPREDRSSRFSHAQSSFFEKCCESGHVNDYVLRKLRQTVS
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LIPLVVGKVGVRTVHGRIIPEEETTAHEIIFRDFHHDFFSHSEYTVKRIRTQFIFHLFSEVX

>comp13680_c0_seq3; 257 1 975 LEN=975; translated
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TEVAVGDLDPSTTPIPAIMNAWAKTKSSHGASMVEKWLNRQAEEYDAGNIKVVPTNKMFT
MAVDAWAKSGEGVSAAQRAETILQHMKKYQTTGLDDLRLPTTGI FNAVINAWARSKDKIA
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>comp13680_c0_seq4; 912 213 4003 LEN=4003; translated
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GPSIGAFSADTRNSQFQTSKAESYDSSIRDISESISQFHLKGTGDDAKTAIASISSNNTY
GSNVIPGVVAASSGSTGGTGETSLTGQRYQQIYSHGRRNAQSTMNSNAQIYYPKAHSLQQ
QPPPGFESHVLEDSIFPRYQNDVRHGNRSRQKTNNRRGWQKKEKPKAEENLNNGKGM
MYRKNRQKQPTPQTGFELDNDSYATI QDSSTTSSRAIRVIMNPQEKDLTSSGASLASSNAST
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EDSFFVVGADLSIDDTTATTHSKKNDWLLRMNRRLTEVAVGDLDPSTTPIPAIMNAWAKTK
SSHGASMVEKWLNRQAEEYDAGNIKVVPTNKMFTMAVDAWAKSGEGVSAAQRAETILQH
MKKYQTTGLDDLRLPTTGI FNAVINAWARSKDKIAPSRAEQILKWMNDLHKSNSPSIQPKY
TFNTVIHAYAKSGGAGAAKKAQELLNKMHYMYKQGNDLAKPDTITYNVVINSLAKSGGKN

AAREAELKLLGKMDILYENGDNVVKPNVVTYGAVIDAYAKSGEKHAARADALLAKMIHLN
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YTAVIDAWAKSGYRGAAARADQLLDTMESKYLADIGLKPNTFTYNAVINALAKSGEPSA
AARAERVLHNMVNRHKHGGSDDVKPTTINFNSVLDAWAKSGGGRKAAERAEIILEWMDRL
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TLINAHAKSSEKGSAAARAEHVLQVMKQRYLDGDGDFKPNTRTHTSVIDAWAKSGERGAAR
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>comp13680_c0_seq5; 613 213 2190 LEN=2190; translated
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GPSIGAFSADTRNSQFQTSKAESYDSSIRDISESISQFHLKGTGDDAKTAIASISSNNTY
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LAASRLQLDRLTEDCRQNLTTGGATISSKSSNRAILPSIHDIELESLRDDDDDDNNYTDGDD
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SSHGASMVEKWLNRQEEYDAGNIKVVPTNKMFTMAVDAWAKSGEGVSAAQRAETILQHM
NKKYQTTGLDDLPTTGIFNAVINAWARSKDKIAPSRAEQILKWMNDLHKSNSPSIQPKY
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>comp13680_c0_seq6; 556 1 2207 LEN=2788; translated
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GNDLAKPDTITYNVVINSLAKSGGKNAAREAEKLLGKMDILYENGDNVVKPNVVTYGAVI
DAYAKSGEKHAARADALLAKMIHLNQIDPTTHSDLSPNTYVFNTVINAHAKSKEHDAAS
KAEEMLLAMNRLHLQGLPNLKPDAFTYTAVIDAWAKSGYRGAAARADQLLDTMESKYLAD
DIGLKPNTFTYNAVINALAKSGEPSAARAERVLHNMVNRHKHGGSDDVKPTTINFNSVLD
AWAKSGGGRKAAERAEIILEWMDRLYKSGNYSVKPDTITFNAVLDAWARSGCKMAAHRA
EQILDHMDELYRAGNEGVPDITYTYNTLINAHAKSSEKGSAAARAEHVLQVMKQRYLDGDG
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CFVTFEFVVLFPHL

>comp13681_c0_seq1; 910 127 3252 LEN=3275; translated
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CICNAITIVRNKDGSLAEFLANARKNAVGLPETVLRLLGCIPEMEARQDLTTAQAME
ALQLHLEVTLDLIGKGLVGGFILPACQALIAWIETSQVLSQINTPTCGGSMALLPILIK
LLSSSDANFDEVTLQTVSRALTAAGITSDYGTPTRQAAAAAFWMAIPQGGFIVNPLQVA
AANEWDASHALASMLATFLVENAEAVGQPADIGLRVLEIQSHPSTSVALIPLCWLTV
VQEIPTAERNEQWSKPLFRNLVEILLRRMAYPVNFTTWESDDELVDSSDFSEFRRMVADV
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RQATQQEQLLQLEQLIAVGAHTMASQHKYLLGAVANFCGNYS PAWN SMECPPQAILQLLV
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ILKELLLRNGQELIQSCFVLGAGSQMLWPAYSDCVFSIVQAITLNEKEGLATQTNPGDG
ISPQLNEELLKQWLFSSMTLNKSNVETPLNPEISNQIIPILLTLARNGSKSRPKGMILLI
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>comp13682_c0_seq1; 645 86 1585 LEN=1768; translated
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VGKRCCLWMQELMMDYERVVLEIENLPMRGVKGTGTQATFLELFEGDHEKVKALNKRVC
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GSSAMAYKRNPMSERCCSLARYVMGLPNAAANTAANQWFERTLDDSAIRRIILPEGFLA
VDVILTLTNI GDGLHVWPEVVAHVMAELPFMSTEVILMECVKAGGDRQELHEAIRVHS

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>comp13685_c0_seq1; 352 1 596 LEN=1084; translated
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AASPASKREGDTGNNEIV
>comp13685_c1_seq1; 489 210 1243 LEN=1243; translated
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>comp13692_c0_seq6; 561 115 2084 LEN=2193; translated
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IEEGHSQRTTRSTEANDSSSRSHAICQVFLREIGTGKLGKLTLDLAGSERGSD
TKCHDSKRRSESAEINTSLLSLKECIRALGQKGAHVYPYRGSKLTLLILKDC
FSPNSKTTMIAMVSPGASSTDHSLNTRLRYADRIKEQREAYEMISSDDLCLHR
VSVCLTVIQKNNLKFAKISSSRKTMGREGSKANTTPCLEPSNQRLARITAALN
WERDASRDSELVFSVPDRSEQETHVEQNHFSESLVEHDQPRNAERFSFKVPYEE
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>comp13692_c0_seq7; 453 787 2156 LEN=2265; translated
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>comp13692_c0_seq8; 591 115 2066 LEN=2175; translated
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FSPNSKTTMIAMVSPGASSTDHSLNTRLRYADRIKEQRISSSSRKTMGREGSK
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SLVEHDQPRNAERFSFKVPYEEEEKETGLIETENIDEIDLLCDEEAEMRRTVE
VLFELEESLLDQHISNIKEVAFSYQICVSSLSPLTICLFDPSQGNAEMLRHED
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>comp13693_c0_seq2; 274 782 1411 LEN=2502; minus strand; translated
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>comp13694_c0_seq2; 268 604 2124 LEN=2479; translated

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VKTKIRVKRNSAYYDRNIMPLLDILNLVSIISILVSLDANNFFQRGLLCLNIAFVEVGLRT
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>comp13694_c0_seq3; 273 604 2136 LEN=2491; translated
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TNAPGASAI PRGNINISSGGNDFEKETIDVPPISIIAETFFETVGKPDVTLLRRKSRLM
RFSCMYRARLMOESMNVAQFPDSDHDLVCLKGILSQRQPGGRWDRRKWKLGLANESDTQG
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QFCVVKTKIRVKRNSAYYDRNIMPLLDILNLVSIISILVSLDANNFFQRGLLCLNIAFVEV
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>comp13695_c0_seq1; 460 205 1568 LEN=1568; translated
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ELLVASKMDQIRAE LLRHQQNQSNNGPSGTFGNGIGSDGDVRRSRKGLTEDNDDNSDNA
RNNASEAHPNPNNGTTDNDAGSAVAIVNRLDAMERRLS QKDREIHTL KARLLDNWLS DHFF
RSWILSKPPYFRDFCVYRPIQH LTGPV SQIIAGIPGPGSGTDWEGGLYPLLVTWTAEGYER
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>comp13696_c0_seq1; 432 228 1313 LEN=1691; translated
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ADRIVLNKL DLTDEEKA EVLGELRKINEFCEILETEHSRVDVPSILGIGAFDLSRVLQE
EEDFLNTDAEHEHDTSVSSVGI EFGGRLDLHRLNTWLTILLRDHGVDIFRSKGILCIDGS
DARFVFQGVHMLMSISSDDGVGRPWKDGEARTNRLVFIGRNLDREKLNARFRECLVAGS
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>comp13696_c0_seq1;a 432 351 1486 LEN=1691; minus strand; translated
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QIELVEDDPVKGDL DRLVLDALRFFFPEVRQDVLGVDDRHDGVQLVVL DVLVDKEGL
GDRGRIGQPRRFDEHVVKARVPVPGQLLEDPEVPPDGTADASVHLEDLLRFDHQRVVD
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>comp13696_c0_seq2; 432 541 1626 LEN=2004; translated
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ADRIVLNKL DLTDEEKA EVLGELRKINEFCEILETEHSRVDVPSILGIGAFDLSRVLQE
EEDFLNTDAEHEHDTSVSSVGI EFGGRLDLHRLNTWLTILLRDHGVDIFRSKGILCIDGS
DARFVFQGVHMLMSISSDDGVGRPWKDGEARTNRLVFIGRNLDREKLNARFRECLVAGS
Y

>comp13696_c0_seq2;a 432 351 1486 LEN=2004; minus strand; translated
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QIELVEDDPVKGDL DRLVLDALRFFFPEVRQDVLGVDDRHDGVQLVVL DVLVDKEGL
GDRGRIGQPRRFDEHVVKARVPVPGQLLEDPEVPPDGTADASVHLEDLLRFDHQRVVD
ADLPELVLDGHAEPVPALEDVVDQGRLSGAEKARQDREEVFLGLPPAARSAQSVASSA
QGSATHFPNSMVAWYVP

>comp13696_c0_seq3; 432 430 1515 LEN=1893; translated
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ADRIVLNKL DLTVD E EKA E V L G E L R K I N E F C E I L E T E H S R V D V P S I L G I G A F D L S R V L Q E
EEDFLNTDAEHEHDTSVSSVGI EFGGRLDLHRLNTWLTILLRDHGVDIFRSKGILCIDGS
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>comp13696_c0_seq3;a 432 351 1486 LEN=1893; minus strand; translated
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QIELVEDDPVGGKDLLDRLVLDALRFFFPEVRQDVLGVDDRHDGVQLVVLDDVLVDKEGL
GDRGRIGQPRRFDEHVVKARVPVGGQLLEDPEVPPDGTADASVVHLEDLLLRFDHQRVVD
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>comp13697_c0_seq1; 1044 220 3099 LEN=3526; translated
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LPVAEESEPGAPPMYTLQDHAEYLHLKTERLGRWYYCDMTSKLMPSALSESPSVSVGGMT
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LPVRTISIRIRPDVLCGAVMDAAHHA FEILSTNHTSDVIKRQGGHLRGSVYMADKQLAYV
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WLGIEGGHYDTKSEMSTVASHLESSFKSCPSVREENK KASAVIRRLTLPSLSKRDPVIV
EIAWSLTNHIVEELDTRDCSYNTLATL PFGQFP SLPTLDVQFCSQLRRLSRENMITQLLK
SAKDLEVYASRAEYKCAVCIALLDPMVERYGIPPLSLPKAKSLDEYPLDYEPPTICPPW
GGLVSEALNKVAAKTPTGDI DVKSAMLLVYRAFARQDDEEKGVRLGRKNAQVMERLANMQ
SHQRSVLVQNRDLSHSSEKSEKSASGFLDYCEKALNKGDGEGYPTISLEVPLLNKISLG
ASQYGRCYITSKNILFVTTYIPLLGSSRSMAFDLSLIK FQVKANPTSSLMNPFNPNTMEVV
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>comp13698_c0_seq1; 383 443 1705 LEN=2098; translated
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PSLSDDLDDHRDHGPFHVGEVPRVYVKIECVASTTKTSTKSHNGNGDEVLVVREIQSNLM
ERVEDILLVESHWMQLCSIDPVDIRSCLEAVGPQIRSQIENRINLPAADDTSCSWRVFG
MSCRCDLPYMEDLLYCHCQSKAEAMDPSYRFRDALLIALLSMQSKTASMLKFKYKDIRNN
DSLELLALKELSQQKRTENNVSIDKIFLKTFRALRHDGILYLLNSNTDEYLFITRSKVL E
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>comp13699_c0_seq1; 405 309 1271 LEN=1487; translated
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DGEEKIYNTCLVLNPEGVVVAKHRKVHLFDIDVPGGITTFESETLSPGSSVSHFATPFGE
IGVGICYDIRFAEYAMLLRQKHNC SVLVYPGAFNM TTPAHWELLQKARALDNQCFV VTA
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>comp13700_c0_seq2; 730 1 3037 LEN=3146; translated
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IAAAVCSGYSKVMQGDISSRVPSTTPSLYQIPGAGFLQLLSKASHPSVAICGIVLPIIT
PVLKTEVGLATEWLP TLQRRRAIIPHHSKNSVILSSSNIGRVKDNVYIPLLNASDVCFVE
FEFVVDGFRD TVLADALNSCYMIHSEYYLASCTAAIEEFVGDVTTTEQTSFHLEAALFCL
AAVSELVLP SVLVADKSSKPMGKVGKKTNFNASGYLLRCTAALAKKPKSLNNPLTMAQTC
QFLRKYHKWFGSNQHPGILDIAADLILF ILSQCATTFFPDTALSKTIRKETGVTPYSEASK
ALRCLLSNNSNHFLSNKAIAALGAGWESTFAACNRGDKLLTLEDKNTCIGICHVLAALP
KEQQKTSLMALALAS IACLETMTERANSITSVEEKKTLSSILDRASDEIIIVATTARAFT
NAASAGPLGTGNRVS LVEP SMTVLLRAWPTISILASKYSFHDSILDSLSVLFVECS PAG

KFTDVSTIFLQDVCTLAKKLI ESENVQRNNRFFSPVFDLVDALIQAHATVFEMITESKQA
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RKPEYRPLDFCNVGLGPLFSVLRTCARLCPNFFFHIVDGDGNEGNYGYESTSNLSMMR
TVLDSAVSSIVDSQSEISLQAI AFLETVATLVTFQFRSNKLTGEYNLGLRTNILNALGGM
CGIFQPVVVPACRLLLQII STSNLSAGELKVLFLTSLGQDHFLLGFKAWGVVHESCHKR
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>comp13701_c0_seq1; 422 199 1356 LEN=1644; translated
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RQRSDGIRYWFVVDHTQSPVRNESKQSMVALENLYLPTILNGMNKSVATPSSEPT
KTTLVFVQTAAYKSHVKNSSDLGSFDDFTLLVQGYDEYVELVNKFCEDHQEPQKQSL
KATVAPLGEAYRKIRQENFEMWSNLLYANDDFHPSPHGTLLEACLLYCIISGGTKFELFD
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>comp13702_c0_seq1; 304 1 1135 LEN=1782; translated
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RQHKNGRSRERALEKKA EIERILGKPEHERTKLEVQFLENALGAKARKNEGDRLRRRKLK
ELGLATMGGRSHKAFLSKASQPPPQHHPAAGYPHPPPHYGYAGGYHHSPPPPYGMMAAPP
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>comp13702_c0_seq2; 512 1 1701 LEN=2348; translated
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PPSPSTGSYGTGLPSPSPAKPRTVDTEGDGKDPSPG SATTGAACTEPPSPSKPSTTAE
NATRNLKVYVKPKGIGVPEVLDRRARKNANSRARA AKHRALVAQIETKPREEWTEEEHK
IVAKNYERRQHKNGRSRERALEKKA EIERILGKPEHERTKLEVQFLENALGAKARKNEGD
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>comp13703_c0_seq1; 535 166 1996 LEN=2266; translated
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SISHPGNRKTIITPTTNDCDRHRHQPGATHDNRSNTSGAASTARAKTATASPLSSLNPTQ
VMDYLLQRQRSIINSTITUTEAREQKQRESKINTSAAPSHSSDKMRKPPPQPPSPPTVQEV
QDRINF EYFMDGRELEARNVVVDYDTRSYVYTTDLGYKFNLP EFLFLDVPNSTFAARACG
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PYQNRTHRDSTGIDVPVQAISARFRLRYLNKRAFLHKL RHNFMSHECNIGIMVFIPI
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GLASTDNRYGPFAYQNTDASADATNGNFKFSAQQLTKKPTASPNKNPGTKTKATKKANK
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>comp13703_c0_seq2; 535 369 2199 LEN=2469; translated
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VMDYLLQRQRSIINSTITUTEAREQKQRESKINTSAAPSHSSDKMRKPPPQPPSPPTVQEV
QDRINF EYFMDGRELEARNVVVDYDTRSYVYTTDLGYKFNLP EFLFLDVPNSTFAARACG
QYITNKVFQDLKKMAKIKEGYARASTIAARRESAERLAKL CNKSVYSVEDIFVPSQTCAH
PYQNRTHRDSTGIDVPVQAISARFRLRYLNKRAFLHKL RHNFMSHECNIGIMVFIPI
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GLASTDNRYGPFAYQNTDASADATNGNFKFSAQQLTKKPTASPNKNPGTKTKATKKANK
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>comp13703_c0_seq3; 535 341 2171 LEN=2441; translated
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SISHPGNRKTIITPTTNDICDRHRRQPGATHDNRSNTSGAASTARAKTATASPLSSLNPTQ
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QDRINFHEYFMDGRELEARNVVVDYDTRSYVYTTDLGYKFNLPFLFLDVPNSTFAARACG
QYITNKFVQDLKKMAKIKEGYARASTIAARRESAERLAKLCKNSVYSVEDIFVPSQTCAH
PYQNRTHRDSTGIDVPVQAISARFRLRYLNKRAFLHKILRHNFMNSHECNIGIMVFIPI
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GLASTDNRYYPFAYQNTDASADATNGNFKFSAQQLTKKPTASPNKNPGTKTKATKKANK
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>comp13704_c0_seq2; 451 325 1606 LEN=1606; translated
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EFAADLDIFSRNRFKYLTKCECLERGASVYATHIFDQADAWATHVAFMQLDKTSLPIHK
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VCLMDVIMAEQSRELADGRFENERAGDQTGWVSGRLTRQLAAAEQKVRREERFEKRRLEE
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CARTGSV

>comp13704_c0_seq4; 469 325 1571 LEN=1571; translated
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CAASEMMAKWQETHLERDELVRVLGINLNWRMHECSDGQRKKVRLMIKLLRPFRLCVID
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>comp13705_c0_seq1; 506 620 2449 LEN=2853; translated
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>comp13706_c0_seq1; 1203 959 4857 LEN=5082; translated
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>comp13706_c0_seq5; 1246 959 4676 LEN=4990; translated
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>comp13706_c0_seq6; 1166 959 4749 LEN=5063; translated
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DLTLPMASMFAGRRFN RGIKKLLGELRIQDLV LNFVCVSDLQ NQSTVIHTKQLWKNVR
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LMLW

>comp13706_c0_seq7; 1283 959 4784 LEN=5009; translated
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FCGALFARYPDNYDQVLLSSCRVMAEDAASMKELLDLTLPMASMFAGRRFNrGIKKLLGE
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>comp13708_c0_seq1; 597 137 1600 LEN=1836; translated
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FEEVEDF

>comp13709_c0_seq1; 181 106 561 LEN=1186; translated
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>comp13709_c0_seq2; 181 106 561 LEN=1174; translated
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>comp13710_c0_seq1; 275 1 1380 LEN=1660; translated
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CIGVERRTKKANADADVNvNANTTNANANANTNANvREQQSAAVAATTTTTTTTTTARTa
TEQILERVRAQSDPVTkTtKTRGPIVfVPEGTTTNGTCLLAFKQGAfAPMVEVLPiVYSF
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>comp13712_c0_seq1; 175 155 710 LEN=875; translated
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>comp13712_c0_seq2; 474 112 1420 LEN=1585; translated
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YAVATAFFVAFAYGRATPRFLAEVLGVGSLDGARGLQDVLQVPGLALALASVGSSAVCAA
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GIRERAPARTEPERS

>comp13713_c0_seq1; 198 1 670 LEN=1234; translated
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>comp13715_c0_seq1; 437 276 1664 LEN=1788; translated
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>comp13715_c0_seq3; 408 276 1691 LEN=1815; translated
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LANEI PLELDGDVGEDEESPAAPGNATTAIDNGNGDDEGTATVDKDSSTETTLVSSFVE
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>comp13716_c0_seq1; 525 750 1985 LEN=2151; translated
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YPPSLRPTS DLNSASIRSNSFSDSLGDKEDDNGLLAALDNFRDEIVEKWDDLRRMFNCGK
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>comp13717_c0_seq1; 367 1 916 LEN=1731; translated
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>comp13718_c0_seq1; 316 317 985 LEN=1261; translated
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>comp13718_c0_seq2; 237 758 1087 LEN=1363; translated
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>comp13719_c1_seq1; 836 347 2857 LEN=2931; translated
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VFNPTVRGKNVFAF
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NKNLGASFFVVKIGFVKEVVEKLEATR VVFSTANGKATVKRRSKPRSRTI
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SRMMSACTHYGVTILVSEAVQELLSEPGKRKMRNLD
RVTVKGSSEIQKIYTYDARSQAAD
FFLYSVSDEQADHQAMS
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PCKYLINFMKSRGSKAPEDW

>comp13720_c0_seq1; 1182 196 5583 LEN=5816; translated
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>comp13720_c0_seq2; 1182 196 5583 LEN=5935; translated
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QGDQAKFCMRLEMQRRIILTRRIGLSTILADHTTDCDQLKTQLIDREAVESSVSNNTNLNQ
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LGFSPDPARGGEKNLIPHMVQSLWQSLQNIIRVVSSINDLVKLLSKLVRTNLSAVLDAVP
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KLETGTISKLDHNSLHVTHDSGIIKAITTSLNIGYKMWCEEGVSGKVAGAAVVELWKEIE
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>comp13721_c0_seq1; 829 1 2241 LEN=2664; translated
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>comp13721_c0_seq2; 829 1 2241 LEN=2767; translated
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>comp13721_c0_seq3; 829 1 2241 LEN=2679; translated
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SSPREAHSDEESDESGEDSSFDAESMLESARDHSDSGKKTGATSRRSARGESEASYDEFTY
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>comp13722_c0_seq1; 510 70 1659 LEN=1659; translated
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>comp13723_c0_seq1; 330 1 1356 LEN=1559; translated
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SSHDVEEGDSRYMSMELLSGDHKDLTKSDIFSLGIAYEVCLGRTKALPPNGDEWRALRS
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>comp13723_c0_seq2; 200 102 626 LEN=829; translated
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YEVCLGRTKALPPNGDEWRALRSGCIVLPPYTPNELFQIIKKMMNPTYPERPCATDLLKLP
PELLSEEQKLLFEEREKVLQANQALEAQSKMNTLLHPFPKPRGLVRRNTWSAF
>comp13724_c0_seq1; 745 1 1104 LEN=2077; translated
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VAGEESAACKDEPTAPLVDDEVTVVPAGAAEPTAAVVTGEDVPVAPIVEEEIILQEDVADDE
LPEDLDSVDDETNEKFGFDLDSGNNNGNDYLDAGIGLDGYGVDETMNESGFDEEDYDGT
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>comp13725_c1_seq1; 875 210 1484 LEN=1690; minus strand; translated
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>comp13726_c0_seq1; 413 513 1772 LEN=2127; translated
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RQIALGMVQQVQRRCTACGGEGYNYQKKREREVLEVLVEKGMKHQQKIVFRGKADEKPNM
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>comp13726_c0_seq2; 532 151 1293 LEN=1648; translated
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VIVGSASVCSECDGHGVVLEVRQIALGMVQQVQRRCTACGGEGYNYQKKREREVLEVLVE
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EWKIEHLDGRDLVVRSKPGEVILAEETDRKPFVKIIPNEGMPSHGNPFVKGNLYVLFVRF
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>comp13727_c0_seq1; 1121 480 1877 LEN=2026; translated
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AITDHSNGEYAVVWSDGDTDTYKDEGDDLKELQQAIEDAMGDDEITDDEIASLDNEEAA
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DAAFDDDAESEDSESDAISVGTAVSIYDNDTWVDGQIIDHADGVYTVAWNQDQTDNEYIDT
YDDEGEDFEELKLAVDNNSGDDDAAPTDEYEVPPAWEIGTPVSVNEDDAEWYGYIADYFN
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>comp13728_c0_seq1; 218 1 1000 LEN=1193; translated
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KAFSFLYCVETS DENREPDQDYDAVATKCALSGLEGATEEAI RACYLGAEGNALVHSLA
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>comp13729_c0_seq1; 469 431 2290 LEN=2471; translated
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SDMGRGKPLRASPKNPYAKPKNATPAALRRNSSLGRRSVASSGSRISITTPLSLSDKSRNKA
LETPTRTGARGLSSLGDRSSASSRRTTGNISVISSTRRRP IVENPYRSSGKKITPKQSSSSSS
LTIKSGHGVCYPRRLREKTKLWPDLRANIVLALWKFSSRNLTRDSYKSKQLDQYTGRIVDL
TVTAAHDFPVRSLGEYAFRIRTHAVKRGCGGVSSADALKRLGDCLDSTGAMRKSQTI PVGA
SGKGFSSIAEACL VAMKEVIVQRWNRMEQQQQQPMRFPTDEASQRALLSQRDSFVSLVE
LIPEIDGRLRPECPAKLGRKSDSDYGAIFYLAQSTISAEFKQIEKLLAPIDVVL PNGSVA
VTAYLKRSIGGKQHYELTTRGFEPPLVIEHKRRFRLSTTGDVSGLKLARAMHIWCHLKG
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>comp13729_c0_seq2; 319 277 1452 LEN=1638; translated
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AQVVEDRKLGLSPREGGHEHFHCTLVPLTEKTRLAFFFDGNPDRIFRFRYYELISSPT
NDEAVEMYLNTHLPDLERILKSQANDPLSWPSIFENFKPEVEDQPKVSLLNKCEISWSFE
QDPVQHSYLTNAPEKDDEGLTTS LHAIMIHGPTIVNSTIVPGLQIRIIDQLSLYRNVFYI
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>comp13730_c0_seq1; 397 1 727 LEN=1543; translated
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RFSSLSVTGAFRTGTGALGGGCGCAFVCALLSCALFACALLGRCGGRGAGAPDEKPPPELC
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GT

>comp13730_c0_seq2; 397 1 727 LEN=1383; translated
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RFSSLSVTGAFRTGTGALGGGCGCAFVCALLSCALFACALLGRCGGRGAGAPDEKPPPELC
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GT

>comp13730_c0_seq3; 397 1 727 LEN=1363; translated
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RFSSLSVTGAFRTGTGALGGGCGCAFVCALLSCALFACALLGRCGGRGAGAPDEKPPPELC
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>comp13730_c0_seq4; 397 1 727 LEN=1523; translated
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RFSSLSVTGAFRTGTGALGGGCGCAFVCALLSCALFACALLGRCGGRGAGAPDEKPPPELC
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GT

>comp13731_c0_seq1; 1086 147 2762 LEN=3726; translated
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AAAEEVAAVELPYEEWPAFLPSSLLENIRVAEYNTENVKVATLECLGYCCERISFLGGEVNQT
STDSMLSAIVDGIGASRSNRMRHAAAGALKNSLMFAESNMEKQEERGAIMNALMEATRSE
DAQVRIAAYEGIVQVACLYYAKLSEYMTNLYQLTTSTIQDNEEVAKMAIEFWTSLCEVE
QDLIDEELEMRQGLPVERPCMRVYDAAMTHLVPILFETLMKQSEDPDNDFFILQMAGQL
CLTISISQTVEDKIVGAVMPFVTPNIQDSNWRKRDAAVMAFISILDGPSSDAIGRYVTE
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TQAATAIFNLASAVSDRQEEDAPTNALESPYMQEILQQLLKMVDRPDSDDCNLRLAGME
AISELISVSAQDNFGLLSQLLPAFVERFKQASAVAVLNEEDKNNKEQIQGLLCGVIQNL
YRKLDKATLLPMTDDVMLLLLDALS VKNSSCHEECFTAVSAISDAIEDDFVKYMDAFAP
HLVNGLRNFQAYQVCIVAVGTVDISRNIEGKIQPYCDTIMNALVDDLKDSIIHRSVKPP
VLSFCGDIAMAGAAAYQPYLEFSVLMMLQASQTQVPDDDDDLIDYLNLLRESILEAFV
GIIQGLKDGNNLGSFASYVSPILEFLK VIAEDKNRDSYVLNKA VGLLDLAQTMGPP
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>comp13732_c0_seq1; 176 41 796 LEN=1113; translated
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GGIPPVFLRHLPCGANDPVYELRPGGQREPFHELLQLRAAKIQNFLRIPEQWDLTAIGFV

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>comp13732_c0_seq2; 285 1 1676 LEN=1993; translated
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TGVPPPTTARPSGRDPANPATAVWKDLLRNGGTSEGGLPPARIGIHVLRRGHPATKIVV
LGERHSGTTFERHLSECFPNTTVVDALFNRKHWFPDPEHLARAIAMEGAGGGGVGGQH
HRHHDDDDHDDGSLPALWRRIAEQSTTSTNHDEQKHEHDPSSGSPPNHYFRDSL VVVVLF
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GALDWKEFVERPLFLEQEPGPRDAAAKPHEHGGNAGASGPGLCQKGYPPGTVSPCRNT
NYVDPDLGGIPPVFLRHLPCGANPVEYELRPGGQREPFHLLQLRAAKIQNFLRIPEQWD
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RATRWDVESLIGYHRDPS

>comp13733_c0_seq1; 918 115 2146 LEN=2146; translated
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SKLYDSLEEAIVDWTGQTFDFVVRQVPAKMRELSVDELVQALDPEGKLRREEAKERRG
DDEGE PDEEALLSIIIDGMTSLSDLASDNVRRVEEAPRGSTDAENAYGGADSRGYR
VIKRS DLSRDSINDDGTENDQTVLHVMMNALVAHGVLVLDLTDGGASFKDAEVM
SRMKTAD EFFEKASDPAVAEGLPGMTTVMETGSQHAMVGYSEYDSGSMKFL
ETRRE RASGTILPEKTRD VVGEDGISALRSSFDLIAQAGKDVVRIA
VAASSVENGAFFDSDAEDEEAERDQMIRASQGATLLANELVDDGKPLPSGVQIDH
SEGKASMSPYRLCRYTDAREETGSSREVFGAHTDTSFVTAVPVAEISGLE
VYDEAAEKWYRPEIRARRHWE EQAALGRDPSLQYDETS DGTQIPWHSRYLA
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RYIGGWLGDQLILDADGLSMEEIHEKNQX

>comp13734_c0_seq1; 141 168 437 LEN=663; translated
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>comp13734_c0_seq2; 588 168 1532 LEN=1884; translated
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HSSGLRKFSSERDALYEEVNKPSLRGHYI GLHSESTTKRTAAYAAFVCFQKATE
GGGRFLVADGAA ILAELDTNLLKLYERDLRISVSNIDIPPTFPQFAQDGIKEIV
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>comp13746_c0_seq5; 535 448 2353 LEN=2474; translated
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>comp13747_c0_seq1; 578 108 2624 LEN=2727; translated
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>comp13752_c0_seq1; 552 536 2166 LEN=2371; translated
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>comp13752_c0_seq2; 1736 229 6744 LEN=6872; translated
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>comp13752_c0_seq4; 1656 229 6820 LEN=6948; translated
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>comp13753_c0_seq1; 313 1 1740 LEN=2599; translated
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>comp13754_c0_seq4; 243 228 614 LEN=1064; translated
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DNLTRYPTLMCAALTSASETFKGHLIDEKETS FEDNLNWEEHAYAMDFGGSNEYSNCDNY
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>comp13758_c0_seq2; 510 55 1269 LEN=1427; translated
MKYLFRA TIIIFVATKNVSAYIEESTAGRKSQPFATTDWSPQSFTPKIRIRPLGEP EIEEE
KINVDRNADGIIRREYSAWTKRYGKVRDEKRFQIFKKNFVTQMEMNRKNGKFYLLNEFGD
LTKEEYISVLQKGPNERGKNEVDYIGSSSTLPPAPIPRLEDLTKELLDSVMESSRKFVAE
ERNEIKDRKEILEMGTINSRLPSFHSTMAAERKEKTESKKNVRLPSFHSSITGERKEST
ETKRKNIRLPNYHFSSTVGGKKESTETKNVNGRAPGLHFSIGGKQYNVITEEFSNTEVF E
TPIFTSYSDVLNAPMKPLDNLTRYPTLMCAALTSASETFKGHLIDEKETS FEDNLNWEEH
AYAMDFGGSNEYSNCDNYNGFASDSEAESEVYGGDGEFSGWYY
>comp13759_c0_seq1; 106 177 416 LEN=697; translated
MTTTLSRKRPRKTYRIAMVCDFFYPRMGVEMHIWLSLQHLIRLGHKVIVITHSYADRK
GVRYPENLKVYYCVSDKP
>comp13759_c0_seq2; 507 177 1678 LEN=1888; translated
MTTTLSRKRPRKTYRIAMVCDFFYPRMGVEMHIWLSLQHLIRLGHKVIVITHSYADRK
GVRYPENLKVYYCPFIPMTDQDILP TLTATFPLWRNIMIREGIEIVHTHQATSVM SNES
VYASAMGLKSVFTDHS LFQFDDVAGVVLNRVLETTLRPTLNAAICVSHACRDNLILRAK
LDPSLIDVIPNAVDP SKFMPCEAGQSGKGACGRDGR IKVVVSR LVYRKGV D LLVGIIPR
VCKLFPQVDFIVGGDGNKLLDLQEMVERERLQDRVSFLGAVPHKDVASVLRRGHVFLNCS

LTESFCIAILEAASCGLLVVSTNVGGVPEVLEPDMTVLCDPNVASLVNGVKAAIERQRGG
SSVLPPLDPWDAHRRRIERMYSWHRVAVQTERVYDRIILDXAADLSPAATEIPDDGWALGD
GGMRCVVYRGLDSVRGVVAAGVLDHRHRKSGSAAAAPSLAVFHNEEGSTIVAVILDRQSI
LLPHPKGGEATLVSAYSASE

>comp13760_c0_seq1; 330 158 1063 LEN=1518; translated
MTDSFIQSMFTSRPKDYLFAYDCDCNDIPPSIREFLNDRKRERMATGLVKRTQQRSLVS
QRGQISLHSLFMPKYAEPVIEFGSSHRIVWIKRLVKRSMNQNDTTESVDSEGP IHNGDS
ILQWIGKGIIGSSDEEKGRVSLNDWTGGSVLFPVPSNGGKAVGWIHTTGTTEINAETPSDG
NVDSSSTNETEEVEIKKATETLESNDLAILYMASIPVDMLIKKREKSEETNQNWADTLI
TCCREGVERCKKESNIPSYKFPAETALLLKEAMRELENTVEVQSDRSEPAKRVQRQSNPD
A

>comp13761_c0_seq1; 607 203 1774 LEN=2494; translated
MISVRPLPLRLFRGADSAAWRSCARTAGTVGGSTRVPVVGAVRNLHLHEFPSMELMRNHG
IRTPGGYIASTPDEAEELFRTHFQKSSPSGDGSLFRDAVLKAQVLSGGRNSGTFRNGFEG
GVHVVSDDPDQARDFAANMLGQKLVTKQAPEGVVCNQVLLVERLKLQREFYLSILMDRSSQ
GPLLIGSPVGGSSGTSIVEIARSHPNLIFTEEIDIMDGLLELDQCERMAENIGLDPGSDPA
TFDQAVDTMMKLYEVFEKRDCTQIEVNPLAEAVGFDQPGGKEATDMVVVDAKVRFDNAA
FRQESIFAQRDYDQEDPREAEAEISHGIDYIGLDGSIGCMVNGAGLAMATMDLIHSGKGRP
SNFLDVGGGADVDQIRAAFRILEADPRVSVILVNIFGGMLMRCDVASGILGAAETIGIRT
PLVVRLQGTNYEEAKALIAESGAGHISMASDLDDAATQAVRTAERLAAGGGVGPPEELDGG
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>comp13762_c0_seq1; 332 131 856 LEN=944; translated
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ASTVDTQMKIASGRWTLSEDPEDRKDSLWIWGLFKDPLYPFLLLQFEVEEMALPGEEKDS
IKPFKLFQINHKREDGEVILASVTDLTVREKETYKADPFGAAKIDL FENVVVGKQLQLQA
Q

>comp13763_c0_seq1; 559 1 1366 LEN=1464; translated
XKTNTDQONQSTEDSKNKNDKNNTREKIRGYTFGALSPDPWLLPYTRFTVPSFGLQEANG
KTSSTSNNAVHVWTPHGKQKLTPLYATAALEGLRSHHTLSLFDDDFGDEEFSSRRRSKAV
SRNVAWFRDIASKNQSLAAASRDEAVASNNDSSAASSSVYSSFLWKPVLLPHKNEEGHKPE
KPSDSNQNHNSKTKPVGTSPKTEGSKDGDGVEHNPSGLAFVGRWHSIGIOPHELIKHSNI
PDPFILESIPWKAILATYSLKEILEVASTGTINVI GTNLPQKWAKEKLALGLDLAAIGQPP
PSNEPVAMDATSTTSLDTQVKTNETALDQDPDKRQKTTDPSPGGAPQIAGGAAAAHANGT
AALNDDGCMDSLDSVSYARDPRPLVPGCCGFVCKDARFSRAYIHHLVVAKEMVAEILLFGH
NLHCLMLQLTRSFSSDPSRAAAVKDFVFSKLPSSVD

>comp13764_c0_seq1; 279 307 1407 LEN=1422; translated
MYANVPNRRTFGGLLGTGILSLGTANRREAKAAEIKSKPLVDVPMVRLKLPKGGFGREYI
ALKLKVQGGQPFDFMIDSGLTTELITPHLQHVLGINEGRSRLSGLAAGGQTTNSVVELS
GASIDVADGSSSLNLPKLTAVITSFQEHIDPTHDPVEGMLGMELLSLFDVLDLDFPKNRI
RLFEPGTVDTSSLAQLPAVVINESMLIGIRVSTPTQKNAQPILGFLDCGSTFSCINWCAA
QALGLPKNPVPYRSGPVIAALGVDGRPLTLPTVEKQLSYAGNPVLDKSGRPVGFESPQ
ADWNPWDPVQVAVGDIPAFSNIIGDSVTPYEGPAALIGLDVLAQRRVVVKAGKPNRRRI
VAITTK

>comp13765_c0_seq1; 318 134 980 LEN=1172; translated
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VGCGLASMAEPFLHLECYVPEGEEPIAYPNASYDGSRCPPVRYGILLGMNKTECSFGRRL
VMSILMGLIGWERRQADRPAGIRTM SLVSLGSCFLTINSFAFVDPGPETWDASRISAAI
PSGVGFLGAGLIFKKTSDDDNMVHGLTTAASVWLSAAVGAHRWNANALIGLPVLRSDAC
LDDR VHGCMDGLMHAWMDESSMTARRRADKIGFALSRRHRR

>comp13765_c0_seq2; 407 134 1358 LEN=2031; translated
MAHRRQLSGFNLNGSVTRGGVHDETTKKTTLHGHLHPRSYFTEFTAKKAIMYTMAWFYV
VGCGLASMAEPFLHLECYVPEGEEPIAYPNASYDGSRCPPVRYGILLGMNKTECSFGRRL
VMSILMGLIGWERRQADRPAGIRTM SLVSLGSCFLTINSFAFVDPGPETWDASRISAAI
PSGVGFLGAGLIFKKTSDDDNMVHGLTTAASVWLSAAVGIACGGELYFAASFGTCLMMLL
LLRFGRPHDVEDDEDDEDEEEDDEKIDXLPGGGPSDGERRD TASGNHAAAALPGGAAAA
GWHKRDEKGVLD EIPHVRLPPELGRAGTSHRPETEQESEPRKHRVGGHSGVAAPAPCPH
PSFGGEFFAQHGTXVRQOGLRSTPAAFAGGTRSPGLVDGIRTPKRPRD

>comp13766_c0_seq1; 303 1 1262 LEN=1851; translated
XVVQYNNDPQRLLRCHSQHTPSLALERRARTTRAPDATVA AVAMTEEIDFGGSETPTPS

LFGGPPRPVREEPEEIRLHARTQHTETHTETQTSTRAPPQLRLPRTGGGLQNRAAFLRDS
IRSQIGEGLSRPHAAQLQKRKEQAGRLVLEGLGNGWNKIQAGANLGGGLIDRMERDQEL
ADSLESLSNRMREEAERQELRREAESLSKKVITDHLSGFLEEHPQGTYE EWISDLHPENA
NQGLLFSDIQQIDDRFYVQESDHRMLWNTAVENQHAGTEAGSYAHLVKARTQIWGKAPG
AETSADTADQGRSNSNKKIMDGAIDLSSASIDFRNTKTATATTTTTTTSTDTTVEAHCGKG
NDSGIEEIDFFAPVVG DAGSSSTSTSTTTGGGGGLFAPAAPQTTTEKKADDPFRDLISF
>comp13767_c0_seq1; 122 92 385 LEN=1272; translated
MTEESSSSPSTTAATPTPAGATPATTWELPAGIEDDIEQALIKTAAGALAGGLLGLVFLR
SGKGRRSAAIATGIGTGLGSTYERVKFRYADATAQKE
>comp13768_c0_seq1; 311 311 1006 LEN=2550; minus strand; translated
MQVYSQKTGKLEALLLDEGILTELRTAAVGALAAKLLAPKIEAIGVIGSGVQARYQLDML
SAVTECRNVLVWGRTPTNVDILISEMTAKGWNISAATSPDRLLEDVDLIITTTPSREPII
GKSNLSTRNSGLTIIICIGSDAPGKHELSPALVAKADLLVADKCAQSIERGEFQHAVANGL
VSKEESLVPLGDLIQNEDLHRKDDDDRFIIFDSSGVALQDCVVSSLVVGTPP
>comp13768_c0_seq3; 140 1 588 LEN=681; minus strand; translated
XRDPGPPIVVEWVGEGFGSNVRPGVAGVIMAEDPGLSGGTRIRYHNGSVEVPSGPGPL
IPVRVCVCFVSVVVDQVVEESP RRERHRGIVQGDVDPNDVERRDGEERPAEDPDH
TDDFAKRRPPWTLVLRPPVEPPVLSSIAANGRTPASTWLECLLIIVVVVVCSCRWSFW
NDKRTIDENCDGAGP
>comp13768_c0_seq4; 311 311 1006 LEN=2432; minus strand; translated
MQVYSQKTGKLEALLLDEGILTELRTAAVGALAAKLLAPKIEAIGVIGSGVQARYQLDML
SAVTECRNVLVWGRTPTNVDILISEMTAKGWNISAATSPDRLLEDVDLIITTTPSREPII
GKSNLSTRNSGLTIIICIGSDAPGKHELSPALVAKADLLVADKCAQSIERGEFQHAVANGL
VSKEESLVPLGDLIQNEDLHRKDDDDRFIIFDSSGVALQDCVVSSLVVGTPP
>comp13768_c0_seq5; 311 311 1006 LEN=2727; minus strand; translated
MQVYSQKTGKLEALLLDEGILTELRTAAVGALAAKLLAPKIEAIGVIGSGVQARYQLDML
SAVTECRNVLVWGRTPTNVDILISEMTAKGWNISAATSPDRLLEDVDLIITTTPSREPII
GKSNLSTRNSGLTIIICIGSDAPGKHELSPALVAKADLLVADKCAQSIERGEFQHAVANGL
VSKEESLVPLGDLIQNEDLHRKDDDDRFIIFDSSGVALQDCVVSSLVVGTPP
>comp13769_c0_seq2; 251 135 1193 LEN=1942; translated
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GVFVWPVAVYAWLVKRIIRIPPEQKKRALYAALLLSATTIFAVGPHRNPRVGRFVKVHQW
SLWKSWMRFIAFEVVADEYGSIEDLIHRQSILGISPHGIFPFGLAFAALSDKASEAFGSF
RAVIATATQLIPWVRDVLRWVRACDASKSSVDKALSDGDRGLAPGGIAEMFLDPEPENE
YAIIGKGI FRMAVKHQVPIIPTYCFGSSMLLKRKLKLPFLIEKLSMLRVSLVVFVFGKWL
PIPFQRLLYVMGKPVHPPSQELVVGSTGYSSKDIINQRADLMHQYCRELIR
>comp13769_c0_seq5; 253 135 1262 LEN=1822; translated
MKGKTATPLEKSRGNPFNNRSSIIYPLHPTGSKVLVRFSPDALTNYDRFVVAFFSLLFFVG
GVFVWPVAVYAWLVKRIIRIPPEQKKRALYAALLLSATTIFAVGPHRNPRVGRFVKVHQW
SLWKSWMRFIAFEVVADEYGSIEDLIHRQSILGISPHGIFPFGLAFAALSDKASEAFGSF
RAVIATATQLIPWVRDVLRWVRACDASKSSVDKALSDGDRGLAPGGIAEMFLDPEPENE
YAIIGKGI FRMAVKHQVPIIPTYCFGSSMLLKRKLKLPFLIEKLSMLRVSLVVFVFGKWL
PIPFQRLLYVMGKPVHPPSQELVVGSTGYSSKDIINQRADLMHQYCRELIRIFDRYKGS
YASGWDQKSLKILSG
>comp13770_c0_seq1; 443 45 1408 LEN=1544; translated
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QKAKKIMEDFRGDPVIKNSEPCFLT DENELLHVDNIDLLVIASPNYLHTPSLLQWGLHD
ITILVEKPIAVSREQHDELRALSSSPEWKARVWVAMEYRYIPAI AKLISLIPDIGDLKMI
TIRENRYPFLHKIGKWNDRAKTGVSTFVRLFFVFWRSVDYNNVLMQNLARTFTLLSFN
SRDTLVEKCCFFDLFRLITQKEAILS KVKTLAQRGLNYQDEPSEFEIPIIDSAFVTMPF
ENNP IQSATRPIGCELELCMFSEGRHQEIIIVTGTKRLEAYLPENKVYQFFRPSYELW
RDRSIPPPLSAIRCEVDFCSNVREIHSIESEIPSHRGYHYNSTAVEWYHLLNEMKRYQKT
GEFFPQVTLEDGLRAVEMGIEATARLAEDMDDVK
>comp13770_c0_seq2; 364 45 659 LEN=1650; translated
MPPNIQPLSDFSFEYGSNRI RCAILGCGMMGQEHISYIMGYASQIRIDYLCDFDDSL
QKAKKIMEDFRGDPVIKNSEPCFLT DENELLHVDNIDLLVIASPNYLHTPSLLQWGLHD
ITILVEKPIAVSREQHDELRALSSSPEWKARVWVAMEYRYIPAI AKLISLIPDIGDLKMI
TIRENRYPFLHKIGKWNDRAKTG
>comp13770_c0_seq3; 474 45 1295 LEN=1431; translated
MPPNIQPLSDFSFEYGSNRI RCAILGCGMMGQEHISYIMGYASQIRIDYLCDFDDSL

QKAKKIMEDFRGDPVIKNSPCFLTDENELLLHVDNIDLLVIASPNYLHTPSLLQWGLHD
ITILVEKPIAVSREQHDELRALSSSPEWKARVWVAMEYRYIPAIKLIISLIPDIGDLKMI
TIRENRYPFLHKIGKWNDRDRAKTGDTLVEKCCCHFFDLFRLITQKEAILSKVKTLAQRGLN
YQDEPSEFEIPIIDSAFVTMPFENNPIQKSATRPICGLELCMFSEGSRHQEEIIVTGTKG
RLEAYLPENKVYQFFRPSYELWRDRSIPPPLSAIRCEVFDCSNVREIHSIESEIPSHRGY
HYNSTAVEWYHLLNEMKRYQKTGEFFPQVTTLEDGLRAVEMGIEATARLAEDMDDVK
>comp13770_c0_seq4; 403 45 971 LEN=1537; translated
MPPNIQPLSDFSFEYGYGSCNRIRCAILGCGMMGQEHISYIMGYASQIRIDYLCDFDDSL
QKAKKIMEDFRGDPVIKNSPCFLTDENELLLHVDNIDLLVIASPNYLHTPSLLQWGLHD
ITILVEKPIAVSREQHDELRALSSSPEWKARVWVAMEYRYIPAIKLIISLIPDIGDLKMI
TIRENRYPFLHKIGKWNDRDRAKTGDTLVEKCCCHFFDLFRLITQKEAILSKVKTLAQRGLN
YQDEPSEFEIPIIDSAFVTMPFENNPIQKSATRPICGLELCMFSEGSRHQEEIIVTGTKV
RRDIKTR
>comp13770_c0_seq6; 77 1 313 LEN=449; translated
XFFRPSYELWRDRSIPPPLSAIRCEVFDCSNVREIHSIESEIPSHRGYHYNSTAVEWYHL
LNEMKRYQKTGEFFPQVTTLEDGLRAVEMGIEATARLAEDMDDVK
>comp13771_c0_seq1; 593 365 1897 LEN=1924; translated
MSDSNAGVTSSTGTHFTCVFKTFNDNVDEIGIGKISGKAILLPEEGKKSSYLLQPKQDVS
QKSSDENEEESDYSPKPAHLVVERSMMNSNAPPANSKSHRPFFFGGLQIVFSAKNIEVYL
TNLDEKETYLMTCKGIPFRVKKKEDNAIKSVPENPDGIEWRRAICVVPGGPRNISRLRIK
PTGSSSETESKTIKHLKLTARIVNNSPNERTVTNPPIPTTTTSQRMEQSPRHILIPSMAT
LGMGAVAPTQMPPEPPLTQSDLGAAMSGLSFMARKTEENMANLFRQQSTKMEEHMNSCF
SGLEMQMCSLKHTLAAQYQLIQENQIIMKEQQGIIIEYQTAQIEKLANDNDELKEKMRSLQ
EDISIFRLQGPCNNANKDEIKKTVEEKRMGAGGCGSMLYATEVDMMNGINEMISFHMSPL
ITAQDSTIPLKDIRNNKDEEDYTHTSNIEVTLVEDDPVTVNEQVEDEDNNADDHDNYSGD
DNNNNRRDDCEEASRKHESNGEPLPEGHVHL
>comp13772_c0_seq1; 537 632 2122 LEN=2319; translated
MASQAKDVEASSNRERNRENEPGLYENDWKTAVEQFKKSVLDASYLPVPIRGTSVNAAE
LYPSSFPNQPLMPGSHKHLGGAYDSTDGCIYGV PANSSKILCMYPSKSGIDEGNPGVGK
CGYEMTTIPLPNRIVNREMKWLRGIVAHGYLWAI PAWADSVLCVLDLDAFWGRRDLAEGQT
DVVQLIALPDDHPKMRWQWHGAGINKEKTAIYCIPSNAEKVLKVDVGTKTTSFIDIEYD
ETKYSDFTL DVKNK WYGGIVGDDNAIYGV PYRASGVLRIDSKSDTAKIIGPNYGVGNFYF
HGGIKVNGKIYAHPSHAETVLVIDTTKDAEEDIISELTIHRAEYDSDDRKKYKWLGGCVG
ADGNIYCPACDTSSILKITVATDHCETLGFAGKDKNKWQGGILGRDDCIYCI PADGLNIC
RIATNVDIENGNPVQLIGNLSTHKDKWQGAAGKGDGSLYFIPENSYRVMRVTPPVNPPK
ILNGKLEPGDVKVELM
>comp13772_c0_seq2; 366 632 1659 LEN=1659; translated
MASQAKDVEASSNRERNRENEPGLYENDWKTAVEQFKKSVLDASYLPVPIRGTSVNAAE
LYPSSFPNQPLMPGSHKHLGGAYDSTDGCIYGV PANSSKILCMYPSKSGIDEGNPGVGK
CGYEMTTIPLPNRIVNREMKWLRGIVAHGYLWAI PAWADSVLCVLDLDAFWGRRDLAEGQT
DVVQLIALPDDHPKMRWQWHGAGINKEKTAIYCIPSNAEKVLKVDVGTKTTSFIDIEYD
ETKYSDFTL DVKNK WYGGIVGDDNAIYGV PYRASGVLRIDSKSDTAKIIGPNYGVGNFYF
HGGIKVNGKIYKGIYFDHHLNPRTECSLHRS DTAILFLLYFSX
>comp13772_c0_seq3; 185 1 584 LEN=781; translated
XFSDHNCITAHPSHAETVLVIDTTKDAEEDIISELTIHRAEYDSDDRKKYKWLGGCVGAD
GNIYCPACDTSSILKITVATDHCETLGFAGKDKNKWQGGILGRDDCIYCI PADGLNICRI
ATNVDIENGNPVQLIGNLSTHKDKWQGAAGKGDGSLYFIPENSYRVMRVTPPVNPPKIL
NGKLEPGDVKVELM
>comp13773_c0_seq1; 599 91 1812 LEN=2784; translated
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LSSGIGYVLRGAVGACGALVLPVAVAGQEGKKEAGIIGGIAGASGGIVSGVVQSVNVLGG
GLVTGVSQIAMGVAATPSAVIAPSRRFWWNGALGKWVQTYLLEERWIKGEPAYDEDILG
EMALPEDVRPSSNRNINGDENQRKVVKDMYYDKLGLDCDVDQDTIKRRYFIVARKYAPD
RCGANTAEAQGEFDEIGRAYAVLMNAALRAKYDRVGRELLWDESDDENEEPVDPMVLYS
VLFGSEKFNHIGRLAAVSTRVGCEVESKLSLAQSRLQKRRVTRLALKLAERLSIWAE
DNEHDTAIKNWEEEAFLCDASYGPKLVHVIGKVYFTTAIHFLGSMKSGIGMPSVSRWAK
KQNEMLKLTMEVIKKTQCQIGK TENRELHMVSTAI EK SAGDEELEDLAMDALKRSHLQ
QTAMELLWQQT VVDITSTVKEAAQMV LNDLSVSPEVRKARAEGLEVC GGIFERAERNSS
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>comp13773_c0_seq2; 330 803 1660 LEN=3246; translated

MGVAATPSAVIAPSRFFWWNGALGKVVQTYLLEERWIKGEPAYDEDILGEMALPEDVRP
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GEFDEIGRAYAVLMNAALRAKYDRVGRELLWDEDSDDENEPEVDPMVLYSVLFGSEKFN
HIGRLAAVTSTRVGCEVESKLSLAQSRLQKRRVTRLALKLAERLSIWAEDNEHDTAIKN
WEEEATFLCDASYGPKLVHVGKVRHLSIPFVFHCVASQGDCKVT
>comp13773_c0_seq3; 433 91 1338 LEN=2924; translated
MANNQAGEQNGTGTIQHQKSRGEGLKSEAEHQDNDYDVANA EVEHILGTTKPKHIGEG
LSSGIGYVLRGAVGACGALVLPVAVAGQEGKKEAGIIGGIAGASGGIVSGVVQSVNVLGG
GLVTGVSQIAMGVAATPSAVIAPSRFFWWNGALGKVVQTYLLEERWIKGEPAYDEDILG
EMALPEDVRPSSNRNINGDENQRKVVKDMYYYDKLGLDCDVDQDTIKRRYFIVARKYAPD
RCGANTAEAQGEFDEIGRAYAVLMNAALRAKYDRVGRELLWDEDSDDENEPEVDPMVLYS
VLFGESEKFNHIGRLAAVTSTRVGCEVESKLSLAQSRLQKRRVTRLALKLAERLSIWA
EDNEHDTAIKNWEEEATFLCDASYGPKLVHVGKVRHLSIPFVFHCVASQGDCKVT
>comp13773_c0_seq4; 496 803 2134 LEN=3106; translated
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GEFDEIGRAYAVLMNAALRAKYDRVGRELLWDEDSDDENEPEVDPMVLYSVLFGSEKFN
HIGRLAAVTSTRVGCEVESKLSLAQSRLQKRRVTRLALKLAERLSIWAEDNEHDTAIKN
WEEEATFLCDASYGPKLVHVGKVVYFTAIHFLGSMKSGIGMPSVSRWAKKQNEMMKLG
MEVIKKTQCIGGKTENRELHMVSTAIKESAGDEELEDLAMDALKRSHLQQTAMELLWQQ
TVVDITSTVKEAAQMVNLNDSVSPVVRKARAEGLEVCGGIFERAERNNSSDSCTYDEKDL
EQVAFHAMLKTVWVMEAAATKRK
>comp13774_c0_seq1; 314 88 1047 LEN=1799; translated
MKDPSNRAADRMSALSASKRKGTPSLAKKKRKLKPPAKKKGTETPRSTRGSSSLWDLVPT
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SRVLRDYHFCNNYRELDRGTAFFRSQVLYFDAGDGGKRSHPPQDESNIFAQRVSSNGW
TQLDWTEQVLAMSYYYRLCNRIDSFHKDNLPIPLGNMIPRLGQFTDEFAAYVRSFKTRK
EVFFTAHQTTNYESYICWCQETNHKVDGDDKVNVRVGPSILRQLASDVLKATIANDGYD
LQRACYVITKLGVRNFFAW
>comp13774_c1_seq2; 289 102 719 LEN=942; translated
MTFLKIAVVGSAIFLSVLQSSICSVTSLSLPSSTSTGSRRDILAHSAKVVAATAASSVLA
LDASVAFAAQEQNGPEGLKYIITNEGSGPKPERGQKIETSYTLWINGFPGEETGEKAKQ
IDSSKKPVFGDQPFKVRAGVSQVIRGWDLALIDMKEGESRKLVPPELGYGDKGVGGIPG
KATLYFEMTLTKVGPLLEELPPEAKKW
>comp13775_c0_seq1; 494 1 1593 LEN=2047; translated
GLFRHEEGPSLLLLPQVYRDVFADCTGSEKTASDYGLDMVQCVPAYQVVFDDGDSILVGF
PEGSSEGESELEAASRAKMESEYAGGAEKWDDYMAITAAAYLDAGLPNFIEERIDLGLPEF
LVQSLKGFRAWPLKPHSDVLDLDELFECDKLRALASFQDLYVGLPYRNPGEELGGVLRST
APAVFGLLAAIELHPSNKNAGVFAPLGGFHSVAGALEGLARDLGVEIRCDTTVLGVASDG
VWTKSSNGGSEQEFVPADLVIVNADLPYAKKSLMNDKAPQQPTEESAPQPREQQLEE
KFDWDDGFSSGVI SFYWSLDKPLDDLNTNHNFLSTKRSRQAEASWRVLRDPRDDSGSE
DVDAPFNFYVHRPSKSDPSAAPPDCDTIMVLVPCRTLLRDEECAGLPKHEAMERYEQQFS
PEVVSAREAVLKRFAAMESLGDLEDHIVHEEYRTPSTWADRYNLGAGTPFALS HGFAQL
SITRPGPKSSGLPNVLYCGASTRPGNGVPLVLIGAKQVAEKAVQSLRSPG
>comp13776_c0_seq1; 394 204 1292 LEN=1319; translated
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SCSHTTDERARGRTETTHRRSTSSIPTSTDDASASTAKTAAETPSNEKKSALRIPRTLAR
HIWPSDDSPDSKSRKQVVLALSLMLAGKAVTIQIPYIFKTLVDTLQVDGTGAI EAAASL
TSSAPDLTTVTTAAGVPVLVALLGYGMSRAAASGFQELRNAVFATVTQA AIRKVGTVFE
HVHSLDMQFHLLTKNTGKVSRI LDRGNRSISYVLNAMVFHVAPT TIEVGLVTGLVYHQFGL
SHAGVVLATIAAYTGFTGGITQWR TKFRRDMNRL ENQASGRVVD SLVNYETVQFFNNLPH
EL
>comp13776_c0_seq2; 582 204 2478 LEN=2675; translated
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SCSHTTDERARGRTETTHRRSTSSIPTSTDDASASTAKTAAETPSNEKKSALRIPRTLAR
HIWPSDDSPDSKSRKQVVLALSLMLAGKAVTIQIPYIFKTLVDTLQVDGTGAI EAAASL
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HVHSLDMQFHLLTKNTGKVSRI LDRGNRSISYVLNAMVFHVAPT TIEVGLVTGLVYHQFGL
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LVNGLLFQLSVPLNF IGSVYXVSDLFVGXFLLYHKPPNQLSTLSQLFCYSDRELSQSLLD
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KTIAFVGS SGC GKSTILRLLYRFYDPSNDTSSVSI GDHDLRDLNLESFRKNIAVIPQDTV
LFHESIGYNIQYGNLESSWEDVIKAAKQAKIHNTIMSFPDGYDTVVGERGLKLSGGEKQR
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>comp13776_c0_seq3; 677 204 2387 LEN=2584; translated
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>comp13777_c0_seq1; 149 295 874 LEN=874; minus strand; translated
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>comp13777_c0_seq2; 213 1 662 LEN=801; translated
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>comp13777_c0_seq4; 278 1 1187 LEN=1326; translated
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>comp13777_c0_seq5; 191 983 1348 LEN=1387; translated
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>comp13777_c0_seq6; 258 1 928 LEN=1067; translated
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>comp13777_c0_seq7; 191 256 621 LEN=660; translated
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>comp13778_c1_seq1; 81 93 431 LEN=842; translated
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>comp13779_c0_seq1; 119 1 363 LEN=1048; translated
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>comp13780_c0_seq1; 420 155 1495 LEN=1545; translated

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>comp13781_c0_seq1; 1292 241 4368 LEN=4395; translated
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GKGWDLPSV SIMRRRRRFRNRVKTETAMHKRIVVGKDIRIYDDENDTNALTDGNDNIRSK
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RRRHKRRKPKSPTTVTATDASATNGALGSSPHNNFYSKSNRSGDRNINCHRSTTDQLRTY
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KTMAS THGDHTVKITCCLTGNLLQTLVGHPRTPWTVKYHPHAGEDDGMSNTPYTI IADSN
SGSSSSSAANAPSGNGSDGANS LQQQLHNDXKKLVAKKAANPRLGVSRRPPGSDMGLDHR
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QQDQTRQQNLWQNRSAQQSQHQPYPTPPQPQRTAPSSSTIGGSSENTEATIPAPPGITHR
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>comp13781_c0_seq2; 1227 241 4611 LEN=4638; translated
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GKGWDLPSV SIMRRRRRFRNRVKTETAMHKRIVVGKDIRIYDDENDTNALTDGNDNIRSK
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SGSSSSSAANAPSGNGSDGANS LQQQLHNDXKKLVAKKAANPRLGVSRRPPGSDMGLDHR
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VRQ RVQISSPPPSIGTTTGTMLSAPLAGALPTTPVQAGLTPQT PPPNVNPLNFP LSPSP
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IGGSSENTEATIPAPPGITHRNDRQHRLRTQQTNGGVPR IYGNPFATSSRNSRGGIPKQK
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KISGAFVATRPHARDRRPRLGQLLSACPLDRSKASAVTCVKFSPCTEFCLIGYGVREPHV
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>comp13782_c0_seq1; 571 142 1101 LEN=1498; translated
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SLGILSSLELLLKNYPEAGMYEKITSALFKSVNLDEASIRADATMLEEWAQGKTREEMEA
ALKNGDDSPLGVVAQAVKADEYWMYSRYFGVGLLKLMEISGEMDKDEVYPVMENWMSDQ
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>comp13783_c0_seq1; 228 161 688 LEN=1323; translated
MSSLQRALVNEAENRPSAAATKPIKFGSNGSGVRRGGAFENSFARGLDISSELLSTNTNEN
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>comp13784_c0_seq1; 740 159 2063 LEN=2063; translated
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EEGKKEKDKQSEENGEQNLPPIFNEMWNGDIYDAQVLQSYESMRVFMPLVICPCSSE
GFNLEQIQTVYYRDWRDVRGHSDETPPSWQAGSFSYLSNSMFVAARDIQPGEELVVECA
DNSDEFNPSDYPLSKFTPKKEAGGYSICLDDKLEERLADHTPNVAGGGHGGQRGLFAKKKL
ASGEVLTSSPMIPVHREEMTMDREKYNKLYEDQAELHGNYAKSGLPPKKEQLLLNYMYGH
PESNLLWLP TAPLIHVSVNHANHDDKNVTPNAKIRWHS DKYTEAQAAGKPLTRRQEFHHE
LLEMSLEVVKKHGMGLMVDLVATRDINDGEEILIDYGKAWDDALKQHKIDWDSAVESIK
QEHARDKAKRKQTRKEMRQLENLKRSTHEKHLHRHKDVENAMTAIPLSSYVTAADYNEL
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>comp13785_c0_seq1; 474 1 1906 LEN=1997; translated
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ETELMVD AFVSPSGTCKSVSSSFHKMNDNRNRKVP GTHVLQATFQEDISSEVMDDPSSTEE
AETEHGDKISSVFWTADITDKISEKIGRVEESRIIYPEYETGEVSRVFS SSKYDRSDDGS
TTASHDAGSVF GGASLVAGTMVGAGILALPAATADVGFIPSTGAMGIGWLYMTMSGLLIA
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GFDAMGLPAGVPQVAFATTAATGLYLAKPAAIEAANNLFVSVLAVVFLGIIACGASTADF
HALIDPANQHPDQVVDALPIIFLSLVYHNVPVTVVNQLEGDRSKITKAILYGTSVPTVMF
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>comp13785_c0_seq2; 507 1 1975 LEN=2255; translated
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>comp13786_c0_seq1; 330 100 962 LEN=1148; translated
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>comp13786_c0_seq2; 605 330 1747 LEN=1956; translated
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>comp13786_c0_seq3; 588 1 1543 LEN=1752; translated
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SKVNQSPSVERQMVQIFGTARTARILNLPWEVVAPLSCDPKPIKDSYNPAAAILTTKIVT
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>comp13787_c0_seq1; 240 166 902 LEN=902; translated
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>comp13787_c0_seq2; 721 166 2217 LEN=2405; translated
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>comp13787_c0_seq3; 304 166 1162 LEN=1162; translated
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LAASTRPESCPASDNIMDWGCSVLYQWDGYSEAIDVLSPFgyTRCFLRRILEKTQEKsFS
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>comp13788_c0_seq1; 276 221 1357 LEN=1565; translated
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KNSHFahDYLNnyAHVGERyRRHEQKQDTEHGGPEAYHSWNKSTMSQAIRRMQYAVRGQI
VMKADELQQQRDIIFTNIGNPHSVGQQPITFFRQVLALTDLNEADGIHHPNVGRMF PAD
VIERAKSIRMLDGSgtGAYtGSQGalGFRKdVSKfIEDRDGHpAYPGNIFLSNGASSAI
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>comp13788_c0_seq2; 422 119 1764 LEN=7245; translated
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GGCGESVHPVSNRSTQNASNSQDHANTLVDEHPYLLDPMYYATVELPKVLDHLLGSNSNS
GGYHLVANSWGTILAQYfVLDYyNPKREAAHQGGIDAGTDPSLFPeLAsMTLSGfLSDG
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>comp13788_c0_seq3; 508 110 2110 LEN=2165; translated
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GVHPRsFKILDDlAKDHEVDLEEFKSWLIATKfGADKNSHFahDYLNnyAHVGERyRRH
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>comp13788_c0_seq4; 209 252 677 LEN=732; translated
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>comp13788_c0_seq5; 439 110 2263 LEN=2318; translated
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>comp13789_c0_seq1; 921 109 2142 LEN=2239; translated
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>comp13789_c0_seq2; 368 1 972 LEN=972; translated
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>comp13789_c0_seq3; 907 109 2016 LEN=2320; translated
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>comp13790_c0_seq1; 617 210 2195 LEN=4192; translated
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>comp13790_c0_seq2; 775 210 3230 LEN=4086; translated
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>comp13791_c0_seq1; 780 1 2959 LEN=3606; translated
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>comp13790_c0_seq2; 194 1 826 LEN=1190; translated
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>comp13791_c0_seq3; 184 1 602 LEN=966; translated
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>comp13791_c0_seq4; 385 227 424 LEN=424; translated
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>comp13792_c0_seq1; 1309 166 5300 LEN=5300; translated
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>comp13792_c0_seq2; 1335 166 5324 LEN=5324; translated
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>comp13793_c0_seq2; 260 530 1585 LEN=2307; translated
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>comp13794_c0_seq1; 330 49 1197 LEN=1289; translated
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>comp13795_c0_seq1; 1306 124 2574 LEN=2676; translated
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>comp13797_c0_seq1; 659 261 2363 LEN=2826; translated
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>comp13798_c0_seq1; 548 1702 3249 LEN=4229; minus strand; translated
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TVQVVP HVSDAIQE WVLNVAKEPVAQSKETEDGNLPPEICIVELGGTLGDI ESMPFVEAL
RQLQENVGYKNMCF LHVSLVPE INGEQKTKPTQHSVK TMMQLGLR PDLFCV RGSNP IEDG
ARKKLSIMTSVPKSAIISLYDVSNIYRVPLVMMEQNIP SMLAQRLRLPLPQFEPPKGVAY
HESEEELCNIENSKVIQDWKELADAVDTP ESECSI AVCGKYIEQGDAYLSVVKALTHAAI
ATKQKLNIEFIDSSDLEENVEATLERFAACDGVVVPGGFGSRGFEGKVAAIRSARENKTP
FLGICLGMQAAVVEFARSHADISNAHSAEFKDDLK PDEEDI IIFMPEGDRTRMGGTMR LG
ARETTLREGSIAREIYGSKNIMERHRHRYEVN PALVDRLEALGLRFSGKNTDKSGERMEV
IELDRSDHPYFIAAQFVSLETPQIPTSFVFRNHFF

>comp13799_c0_seq1; 555 145 1779 LEN=1874; translated
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KKQSKYVSTMIEFLSSV ESSRGV EPQKQRPPAAQRLPPRARAAILPGRSKRAF EGRDS
EGKAARGGLGEARDGDEL DQIEAEARRTFREKSTGSTIESSTKTNNNINKQLVENKLV DQ
LLRSPDTKIDNTVLLLADTLVSNRYVFELLRENGFLSPELQTMALS FINEVDSQSKQLH
DVLMGARRRSSMRATRVLVISCMTQILSVSNRFTGILDRGCKSVAAPGAAGAATNDRAP
KQSESREPIGAGALDKYVHHTMNSDKRILASLISDIVSKRKQVSSALAE TFQKVMQEN V
LYSDLVAKHITEDLKN TIQFLTDPERLSTFLSTANTLGTADAPIQPTRRAENNLVNHSM T
DASSFLDFIDTSGLSVIFTEDEDVAAAAGKASNSMRGTRSSLD TILERMNLKLSKRSSH K
RSNSQSSFDQKNKSRDPTKNGQRGQPSQDRQVIQHQPKNRAERQKPVPRDSGTDTKLTST
MAEF

>comp13800_c0_seq1; 599 1 1627 LEN=1860; translated
AFVIEKKRKRKQKRNASLYRIRLSVHLP SFLVDVTDDFQFGEEYFTSRERVYGF LMPED
FRAADRILQAALNLTIRNDRIAAAADDEDDSDKDDDETRVMVWEDLYGLMQEISTNLVDG
KSRVLNAFSDSFAVEDLLENGGTGRQDHNRSIRDLGWLEKHGQCADNINAGTSTIPDAG
RGAFATRFIPSGGLVSPAPLVHVEDLDTMAMFTEHIYNEDDKLVPNRS GNYTWQLMINYC
FAHEQSTLLLCPYGLLSSLI NHSPGKNANTRIQWSEKHRMRHPEWLGQPIEKWVGEYHTG
LQIDFVATRDIEEGEEVLIDYGPLWQA AWDKHTAAFEFRKHRSEHYLPSYELNELL LAEE
GDPSVPLRTEDDRDRYLDGVQLYCHGWYVARHGIGTRKMDEKTPMCSIIRKFDGDSYLVR
IIDWYNDEDDRRTTKYEEDGT VWGLPRAAFVFDLLPYFRDIHQEWTFRHPMIIPNDMFPKV
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S

>comp13800_c0_seq2; 883 1 2284 LEN=2517; translated
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IPGAGLGMVGNKTVAEGAVVTGEDVLP IVERS WHSAPHLQEKRRFLWDEYIWNADVFP
FTDGEIGWDLMEEMVMASPGVGSAA NSYLSMVNVEDDVVRVGRAGLPRDSPGQGAFTIYH
GRSFRAKRPMEPGQELFVDYGE EYFTSRERVYGF LMPPEDFRAADRILQAALNLTIRNDR
IAAAADDEDDSDKDDDETRVMVWEDLYGLMQEISTNLVDGKSRVLNAFSDSFAVEDLLE
NGGTGRQDHNRSIRDLGWLEKHGQCADNINAGTSTIPDAGRGA FATRFIPSGGLVSPAPL
VHVEDLDTMAMFTEHIYNEDDKLVPNRS GNYTWQLMINYCF AHEQSTLLLCPYGLLSSLI
NHSPGKNANTRIQWSEKHRMRHPEWLGQPIEKWVGEYHTGLQIDFVATRDIEEGEEVLID
YGPLWQA AWDKHTAAFEFRKHRSEHYLPSYELNELL LAEEGDPSVPLRTEDDRDRYLDGV
QLYCHGWYVARHGIGTRKMDEKTPMCSIIRKFDGDSYLVR IIDWYNDEDDRRTTKYEEDGT
VWGLPRAAFVFDLLPYFRDIHQEWTFRHPMIIPNDMFPKVWKNANYASEDREFLEYVDKA
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>comp13800_c0_seq3; 897 1 2520 LEN=2753; translated
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IPGAGLGMVGNKTVAEGAVVTGEDVLP IVERS WHSAPHLQEKRRFLWDEYIWNADVFP
FTDGEIGWDLMEEMVMASPGVGSAA NSYLSMVNVEDDVVRVGRAGLPRDSPGQGAFTIYH
GRSFRAKRPMEPGQELFVDYGE EYFTSRERVVFRSMLLLVLSVLQGNFSFFSFTFAFSH
RTIFLSSHGHECHKMYKHCWIPISFVSFCFLSVEISVTSYIXLCFVVAQYGF LMPPEDF
RAADRILQAALNLTIRNDRIAAAADDEDDSDKDDDETRVMVWEDLYGLMQEISTNLVDGK
SRVLNAFSDSFAVEDLLENGGTGRQDHNRSIRDLGWLEKHGQCADNINAGTSTIPDAGR

GAFATRFIPSGGLVSPAPLVHVEDLDTMAMFTEHIYNEDDKLVPNRSNGNYTWQLMINYCF
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QIDFVATRDIEEGEEVLIDYGPLWQAAWDKHTAAFEFRKHRSEHYLPSYELNELLLAEEG
DPSVPLRTEDDRDYRLDGVQLYCHGWYVARHGIGTRKMDEKTPMCSIIRKFDGDSYLVRI
IDWYNDEDDRRTTKYEEDGTVWGLPRRAFVFDDLPHYFRDIHQEWTFRHPMIIPNDMPFKVW
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>comp13800_c0_seq4; 541 406 1863 LEN=2096; translated
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PDAGRGAFAATRFIPSGGLVSPAPLVHVEDLDTMAMFTEHIYNEDDKLVPNRSNGNYTWQLM
INYCFAHEQSTLLLCOPYGLLSSLINHSPGKNANTRIQWSEKHRMRHPEWLGQPIEKWVGE
YHTGLQIDFVATRDIEEGEEVLIDYGPLWQAAWDKHTAAFEFRKHRSEHYLPSYELNELL
LAEEGDPSVPLRTEDDRDYRLDGVQLYCHGWYVARHGIGTRKMDEKTPMCSIIRKFDGDS
YLVRIIDWYNDEDDRRTTKYEEDGTVWGLPRRAFVFDDLPHYFRDIHQEWTFRHPMIIPNDM
FPKVVKNANYASEDREFLEYVDKADGMEEHEDFDDEEEENDDYDYDETFDDDDYDDGDDGQ
QELPS
>comp13801_c0_seq1; 654 101 2493 LEN=2493; translated
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TNIPEFICVQNWRRLPQNEEPNEQQSRVPKNDRNYTAEIKRSAEYNSNNGITYRGRSSH
HRFSGDSRISTISSSCPGRDGLGYSRASSSYPSNRGNVRFSTCHGNEEIQWNKCLSPR
TQSSLQPSIRRDCIDMSRQONATRNDDSSNWGSVTKDRYTHFDPKVTHHLPNHREDKPS
SAHSPRNTLINDADSNPTVEQQKLEHLHSVDSFDFESNSVADSFKSRNKATLRGEMTAN
TINRVGNAGADSVISYSENSKGIYCEVRYRAKKSPPAKKVVVKEDKKPVKMWLCVCKEA
RFGSYIEAFRHEIECKRIKAEMRESSRGGEDNNSNDDQSSMPGTEQRALRRGKIKMQLR
EIELSSSRPMRCNVVTRGSMQRESVGLTATKWLCVCKKRSFDRYDADRHEKICQRRK
EATAVMTKPKDEHRYDDNQFVEDLRHNNTVARESQRQENVCVAVYDNCTKGETCTSF
GISHDRISQIRMEATADMTEQKSAWSFDDDVSFEEQRQNNIMVNGSRQRDVIYIQDNRTN
KAC TTAETSHEKSFQTKTEATADMTEPKNELMYEGSHFVDKERRKIMSANESRQKNGAF
CMQENSNANVRYNIFETQKSNRTGYSHFGISHEIGEVEFIDRYNAFKAIPEQDIKLSPL
YNSKSRYEGDAYDRYISLASQAEDEEQREKYLALAKQTREEEMSCYRREENNEEAMFALL
DVAQRMKLYPAADVICKQFFLLGDX
>comp13802_c0_seq1; 295 146 1405 LEN=1728; translated
MSTTASSREALPDLELCSDSSSSSDSAENSPVHFPEKGVSSPLSFDQTPEKDSLSNGPDV
GAETSSVASESVGFTVRGLYTRYTPVEEEADLESEFVLCRRRMKTRPIGNHSPRNQEE
S DNDQSDEAHSDGKSDDEDYETAMFEPVVGVLVGTKFWHEEDA EAKVVREDRAILFQ
SQENYERLKSNDDFKGCYEGDYMEWPTFGEQVIVNGCQTS DLSIGDIFEIEGGLSPL
LIEITAPRKPCS YVNIKHGTAMGSKGIQTHVHHNCLAGWFARVLVAGELREGMRFTRK
SHPNPKWTLTFINKALYGEGRSQSMMNASSWNRDRAELEELVALPQLGEYEWKVEGR
KRLLD FDFGIDWKTVRRDSIDPQFDWEKWKLAHPEDALQTGNSSSSFLSLACMTDL
LHTITEALKHFSMMG
>comp13803_c0_seq1; 439 179 1372 LEN=2479; translated
MVKRDRWSSSSSEDEGTTKNKSQKITKPNIAPTINSSVCDGRKANGSKRLEDDN
NLP LHNPLLQGCRSVYDITYDRIARLSEGTYGIVWKARDLATQEI VALKQIKFEDQ
QQLQVQGFPTAFREINVLMA LSSHENIVSVKEMVVGSGADKVFVMEFFHKDLQEAM
EKRYPNVLRQAELK GIMQQILRGM DYMHSKWFMHRDMKTSN ILVHKSAGRVALC
DFGLARRFQDPPSTNL TQLVVT LHYRAPELLFGETRYTPSIDIWSIGCIFGELIQ
QEAMMQGQ GELDQIDKIF TMLGGPTEEKWPGFSKLPNAKMFRWRS A EKQEK
TIRLYELFPINPPPHFKQTF LDANGRDLLC KLLALDPAKRITANEALEHKFF
FKEGVPPMNP DFFETL
>comp13804_c0_seq1; 260 786 1760 LEN=1760; minus strand; translated
MERNQMYNALLILFNLI FCYGYELHGSWIPLAPSLGASSRRIELGENGRMAVGT
FDKSI IYDLVVRPSDSNVEALVWEFAGQLNGVDGVNFS LSSDGRFLASRHASSAK
QVQVWEILS NRSH TASVAMNEKSA DFVFLNVGTFWCVADGQSVKLFKAKSKL
VLAMIVKRGYRIVVKYK YLRDFSS LNIHDSEWNEFMTHL KGRNADDRFGSALS
IADGYLEYDFQLAIGCPGYNRNQG LVLVYGVSLATSTGWKQIGNDLTGSNEGER
FGSSLDMSANTQPYLLIGSPGWKVT KDVEGTSADDDVISEQESFESLGC
GIVRLX
>comp13805_c0_seq1; 142 1 293 LEN=724; translated
XQQQQQQQGRQHQQPPGGRQENDFMSSIEALPYREEGYCWQTPGGNYYQFQIP
VDSQVLEAIQTILLHRFEWGPGEEEWDASDCYDEEEDDDYDGL
>comp13806_c0_seq1; 146 116 406 LEN=842; translated
MADIEKRVAALENGGAFNATQAAIRAREEEFLATLRDIKASMLKDEQDGKNN
GASSAELD ALRDENERLKAKVTQAYRIAHLVSGMEKMLESEKK

>comp13806_c0_seq2; 146 116 406 LEN=711; translated
MADIEKRVAALENGGAFNATQAAIRAREEEFLATLRDIKASMLKDEQDGKNNGASSAELD
ALRDENERLKAKVTKQAYRIAHLVSGMEKMLESEKK

>comp13806_c1_seq1; 334 300 1190 LEN=1762; translated
MVFLRVIRGAVCIFAVKTAVEAFQPPISSRPSTIPVGLFSSPSSSQPSTMDVENDINAEP
SVKVEVVSSNVVEAAAATAALTSGPSYLALENSVRPSKNDNHSSPKADVVPPTERTTSA
RRPTRPTTSAKARKNRRTTKTGSVKIAESMEELLDTMDGKSNGENRTTNDGALTLILFHA
HYCKICQRAGMQLNKAKEYPGVIFAKVESQVFPDPVADSLRTLGVSKFPFVQIYRRGQC
VASFSTGPTHMFMRKVRDTLDLCLERDEECWDSFTTEFASEIESNRSARRTFGPMP

>comp13807_c0_seq1; 746 259 1791 LEN=1996; translated
MIPLYPQRVDENDFRTPAASFTRCATATMTGEFIKSEWSEGGDSTKLSYLDVISSIIP
FSKVNDQNLEEINSGTKDEPLAQAHRIQQAYQEWCEFYGKISNRERLGVFASNFLAVQEF
HENTGRPLVLNQFADLTEEQYLKGEEQSKNDSKEATIAPEKEAEDRILVAYREWCEYYGR
VWDENRPLIFASNYVAVEKYHEHTKMPLVLNEFADMNEQEYEEYIERTTEFTESESTGSM
ASDNTPFQSQEDRMASYLDSEPVQNPVDFPQVNEVQSSVPSPTQTVQSDSRDLPESSHVW
DASSSTYEVPVAVPNSMTQVVQSSDVEQFARLDTSSSIDEDFAALQQTVASLTAMVNDMAS
ATQVVAPRTQAQPLDSLVIDVLQQQDHSISQLEMSIDGLHQIQMQSSDLIELVSNQKQM
TDMMEAVQVEIAALEEERQLNENYALLLARIIEELEEAQVAKHSDDDPSLQKALVLAHATA
TTGRMMVEVKPNIPAIGANPMFKPINLDPQ

>comp13807_c0_seq2; 685 259 1892 LEN=2097; translated
MIPLYPQRVDENDFRTPAASFTRCATATMTGEFIKSEWSEGGDSTKLSYLDVISSIIP
FSKVNDQNLEEINSGTKDEPLAQAHRIQQAYQEWCEVRTMQQNHTSYFEIEVNTYRFGIH
TNLINQSNXKFKYKISNRERLGVFASNFLAVQEFHENTGRPLVLNQFADLTEEQYLKGE
QSKNDSKEATIAPEKEAEDRILVAYREWCEYYGRVWDENRPLIFASNYVAVEKYHEHTKM
PLVLNEFADMNEQEYEEYIERTTEFTESESTGSMASDNTPFQSQEDRMASYLDSEPVQNPV
DFPQVNEVQSSVPSPTQTVQSDSRDLPESSHVWDASSSTYEVPVAVPNSMTQVVQSSDVE
QFARLDTSSSIDEDFAALQQTVASLTAMVNDMASATQVVAPRTQAQPLDSLVIDVLQQQD
HSISQLEMSIDGLHQIQMQSSDLIELVSNQKQMTDMMEAVQVEIAALEEERQLNENYA
LLLARIIEELEEAQVAKHSDDDPSLQKALVLAHATATTGRMMVEVKPNIPAIGANPMFKPIN
LDPQ

>comp13808_c0_seq1; 204 386 1324 LEN=2368; translated
MGAKDAGTRNKMQQNQDIFVPNSSERGVSPILTISTSMMDMGPPLNPSYFGLSPSGTTDG
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QRLGLGRGSPPGTMGRTEREIKLLCLRARPIFLSQSMLLELEAPIKICGDVHGQYSDLL
RLFYGGFPPVSNYLCGQDYVDRGKQSIETISLMLAYKIQYPENFFLLRGNHESAGINRI
YGFYDECKRRYSIKLWKIFSDVFNCLPVAALVDEKILCMHGGLSPDLQDLQOIADLQRPC
DVPDMGILCDLLW

>comp13808_c0_seq2; 271 386 1690 LEN=2184; translated
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QRLGLGRGSPPGTMGRTEREIKLLCLRARPIFLSQSMLLELEAPIKICGDVHGQYSDLL
RLFYGGFPPVSNYLCGQDYVDRGKQSIETISLMLAYKIQYPENFFLLRGNHESAGINRI
YGFYDECKRRYSIKLWKIFSDVFNCLPVAALVDEKILCMHGGLSPDLQDLQOIADLQRPC
DVPDMGILCDLLWSDPSPNIQGWAEENDRGVSYIFGSDVVENFLDRQDLDLIVRAHQVVED
GYEFFAGRRVTLFSAPNYCGEFDNAGAMISIDENLMCSFQILKPSEKQHRYSHYHQRR
GYENGRGENQPQLL

>comp13809_c0_seq1; 970 172 2172 LEN=2433; translated
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NNVVVPDPANEKLSLGEDGTADYDKDEEHLPAQHLVLDIDGLEAAFLDSEARLATAMI
AMVDNSGLTLLSYHCHGMYPEGVSCAGVLLSHVSHFWPTTEGVTITLDFTCGATSLDLS
MPLIEDLFFVPRDPDRKPNVMWAYKRRGFNEQSGKVGERTDFAYPLGVHGMEYKKELASL
TTSSGKIARVYEMQEHHRPSPTRQVYLDGVLKSNVSGQAAAHESVHPPMLAHSAPKRVV
IFGAGLGASTREVLKHAGVEEVTVVGADRAMVGFKEYLPEWSDCSYASKNGEPACCFDD
DRVNFVYDQTPLEWIASYGGPAYDVALVDFMEEFAIEIMSNREHTLDQLLNRLSHDG
VVSUNIAGSTKAVESMTKSGMTPTRKILQTTLAEEMKKTGFVEAYEYNEYKSGFSETRSY
VVAFKDAATAKNWNAKQSETEIKLNNRIARDQSTGELALEFFDAATMATYSKFKSTKSSGG
GPGEDRSGDVEEEEAVEEAELSEMAGGMAQTANSSCSSTEDEGECKNPSIDISEEQMRPH
EVRRES

>comp13810_c0_seq3; 1159 663 2638 LEN=2784; minus strand; translated

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ARVLQTKPTEDEVRSWFLWDEALATLNSTTVANMYGKGATLLPTLKDDVRTDFAGIKDY
FDLFLQNEPRGRIVEGYVEIGDDWATDIGIYEFTFGTTGDVVQGRYSYFYEPQEDGTWMI
LHHSSMLPEPTLPQPI TEEEVQALFGLWNDALKTKDPSQVAARYAKAGVLLPTQSDDR
TDAAGIEDYFVKFLANEPTGEI LESHVAIGHDWAQDVGRSTVWLPLFXVEALSMSSSHNI
SCLFSISIEGVYEFTFGTTGKVRGRYSFIYIYEDGEWKISHHHSSVMPESIEGLSQSIT
EEVVRGLFDVWNEALQTLPEKVAALYSEKGNLLPTLSDKQRLNREEIADYFVKFLALKP
TGKII SGDVLVGHNWAQDAGIYEFTMGDGSVARGRYTFVYIFENGKWMIAQHSSMLMPES
SNNAKPTDGVTEDDVRNLFWLWNDALLTKDPDTVANRYTSDAVLLPTVSDVPRDTHELIE
DYFVKFLQGEPSGEIIESFVHIGHDWVSDVGIYEFTMATDGSKVRGRYSFVYAMEDGEWK
IAHHSSMMPEPMLAAAEPLAEPGVQISKMADVSSGASAI AIGNGVAFAAVAVAIAL
>comp13811_c1_seq1; 162 1 1366 LEN=1629; translated
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TRIDPTRSTSSLRIESHRSATGGTTPVVRTDSSPGKATMVPQRQRQRRRTRAPLRGCDTF
VAYPPTTPDGCAFFGKNSDRPKGEAQSLRRYPAGRHPGSTLECTYLSIPQAAETFAVLV
SQIDWMWGCEHGANEHGVCI GNEAVWTRVPFEAEPKTGRPASLLLGM DLVRLGLERSRSA
RSALRTITELLEEHGQGGACAEGDPSFCYHNSFLIADAGEAYVLETAGKHVWAQRWASGG
RNLSNGLTIRNAYDL CSEGLEDYARELGLWDGTGPLDFAAVFGEDGPGGLPSEDEDED
DTRFGCGRALLEKHSGRFGKGMVAILRDHSSGICMHGGGFETTASMVSELHAGNPR
NTHWTTGPHPCRSEFCRQEILEPPAAEANQGKRNE
>comp13811_c1_seq2; 483 1 1419 LEN=1612; translated
SNMNSNSNDHSESYEAFRTASGHRTAGESSSSSSPRSPSLPWFVEYWSTSFRRAPTVMFD
QLCVCNTSSAVDVVVDNADYEYYPNSRSKPPQOTLEPSSSIVSIQRSNPVFDTSPTKISDS
KWESLRSVVAHDDYEQYGHNSLLDLDLEEDDETASSSHIYPSKKPARKQSIHRRRRQG
SPEADAGAAIATTHLSPRSATSTSTHLLATTLRTCYSFDQYFETGKYLCASSTIDEAGE
SGSEGEESSPLDAPXPAGPPEAPPAAIALGVADEEEEPGPADASQPVAERRRYLHDGLALA
QLCQGVRRRRRPRPGTTGATLPVHAEPPEVEAQAASHPAGDAGQRGDEERGRPLGIACCRA
GSRFEPAPPHTDKTLPQGTQDQDQSSHDSSAYRYLIRMSPTNYRHEESKENLPPGCDG
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>comp13812_c0_seq1; 547 1 1979 LEN=2511; translated
XFIDEPNEIDPEQTQTATMSTPIVSKMVGKDRAAKTKTGGRSKNIGGKKGAGTGLNDW
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KRKRMRDELRAKKN SINQHEPDELMDLEYGAHGAGSDAMKLAHLNCKPWGVSDDIAQEM
VYWQDIPTDSSYVPPFYE INHRPGTERRYMTFEPDGGWNNIRMAMESTIAIAVATGRTL
VMPPQKKMYLLGQNKGGQKHHFNFDVFP IERMAQDNKA FEVISMQEYLEEEGMKGLIN
KETGKPEFPGNRTDWDNINQEEYDEMRYLRRVSHTLEWRPPDCLPAFPSSGDHKDVEI
LQKLALLEVKKPKGRVSTQELFRVDDPNRPRRLEGLSGRKSLCVYDEGDQNEKVIHFQMN
HKERLRLLVHFYAFLFFEDWREDLWMKRFVRDHLIYNDQIQCAAANIVDKIRTRKAEATK
GKSRDFITFHVRRGDFQFKDTRISIEDIMENTKDLLPPDALIF IATDERDKGFFAPMKKK
YDVLFLDDFKKEELKGVNSNYFGMIDQLVASRGSKFFGCWHSTFTSYIMRLRGYHSTKDKA
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>comp13813_c0_seq1; 915 536 2497 LEN=2576; translated
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EGDEEEEEERKNKYEVQRVLARDEDGILYYATVRRKLYGLNQQKTISCLGIFDISPEDI
LETSGTTNSKEGNGEENDKKTQDSEQSEWHYFVHYEGWKT IWDRVWSENYIWEVTPDN
IERMKEISRSHKAIQLEFKEKTKARKIKNAGLFLQWKLRLDALNRRWDEKETQTNSDNE
SKEKERAKKLA AAKRRRQEAKKKKGKSPQEVLRDQSNLAVQSCLVNRQASHIQAIPLSFG
LKRILVEDWENLNNSNYTAKKSGDGDATDEAKNLDMVHILPAKVTIRDALSLYLKEKGI
SWNGNDRDKSSTGKSRADQNSEEKSTEVGDVAMEKTDETNPTGLEENSEQNVAVEDASGV
DSAHNDMGSNNGKMSDELVKEWTDMAEGIVLYFEQALMTRLLYPSETSQILVLEDNLE
GKNDESTNKS PAMPLPKVDIYGCEHLLRLLSALPRILDQQLQESREKKLGQDRVRENKVG
VGEDGPKTEDCPNGDDEDADQDAFAEIGSMILAKLQDLARFLQKNQTTLFGSMYRRKNEQ
EIKRDLKIQRQERRLRNAMAMATPLNSVQQLLEDQGSCKVEPTDDENLRTIGN
>comp13814_c0_seq1; 816 246 2012 LEN=2726; translated
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VVANNSNNLPLTRRDDPELTRMVSNLSSEYARKSAAFIPADVRIAGSFLKYGNVWDLPL
TSEYVASDGAQEPGRSYGGACSNMMLKVLVYDAASEAATNVDDVNACDALFDDDDDES
LTLPLARNSTFASLDMNGQSNPSTMTWAELLRKMKSEINDIEYCQAPTIGATRKFDLNQPF
SLVPETFDKATGKKRSL LIGCNYNGIEGAELKASHDDVCSMKDYIVNVHGFAETDDMMTV
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PSDYSTSGVIRDTLIFKTLAPMRYGVSVTIVIDSCDTGMVLDLPYSWSTRYDKLDTVAR
MQQSENFVFRFLKVVKTLYESSTFTQLGRTVGTALGQQPTVEESFDEEDQEKVITEKGD
STIERAKTEDVQSSFLDLCTPKGKPSRSGFGTVENNDRDALSLIEKMLGCNFLVHDIDD
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>comp13815_c0_seq1; 650 266 2457 LEN=2993; translated
MESGDEESFEDYVEATVPIDRTVALFVVGITTLTLLLLPAIELSLRPSDEIDCECEKDDG
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PSSNSLHKLSPRKSIGIDTNSFFSTDETEDDEKGFNAARFSKPSTGAFEKLRITICHN
TDSQTKAMLALGIPYLLQALVSAVSELIQMAIVGHYLGTAELSAWVVVDL FVVKLTSGAVA
SVI ISSNIMISQIAEAEDEKSVHKIGMYIQFSILFYLVGMIPIVIFWSYCMKDILLFLKL
DPTIADVGEQYVTPYIISIVLEGVVAAFQQTLDVVGFEVQSTICTILGEVGTVSMVAVAV
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VTTDSTLREIISFNLPMSLINMISGIGIMAEHVLWSQNRAPLSTVIASATSCLVTLPLA
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SDNDREADE

>comp13815_c0_seq2; 650 266 2457 LEN=2978; translated
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SDNDREADE

>comp13815_c0_seq3; 701 266 2280 LEN=2801; translated
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>comp13815_c0_seq4; 701 266 2280 LEN=2816; translated
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>comp13816_c0_seq1; 702 71 1438 LEN=1557; translated
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SLLSREHCTARLERVWGP GDGRPVAELKVEMDQMLQEYLLSRELDECARC VKELDTDHYM
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>comp13816_c0_seq2; 655 97 1720 LEN=1839; translated
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QEYLLSRELDECARC VKELDTDHYMHELVKRGVKIAMEEDGKDLTTQHEKSAIDAMAALF
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>comp13816_c0_seq3; 636 71 1542 LEN=1661; translated
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NFLARAVVDEVLP PAF LSEQNNKRAGDIVIEKSI SLLSREHCTARLERVWGP GDGRPVAE
LKVEMDQMLQEYLLSRELDECARC VKELDTDHYMHELVKRGVKIAMEEDGKDLTTQHEKS
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TIALDEATE

>comp13816_c0_seq4; 589 97 1824 LEN=1943; translated
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LLSREHCTARLERVWGP GDGRPVAELKVEMDQMLQEYLLSRELDECARC VKELDTDHYM
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>comp13817_c0_seq1; 588 194 1705 LEN=2171; translated
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FIGEDI LCLPTAGAIASILMFGLCQFR TMANLGRSVSLASLLALLIVIIQCLFHRRKSS
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>comp13818_c0_seq1; 889 1 2745 LEN=2834; translated
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>comp13818_c0_seq2; 842 1 2730 LEN=2957; translated
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TPFALS I KVASITKYKFCFDTQQELMTWLTSITDVVVSGSVDDYNAEILEANNPSSHGGG
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GTGGRDSQALAAEAEDYYVDTSGGQEIWGVPMDYLPFFYLMNAVVL MARFHETLTDNMF
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>comp13818_c0_seq3; 288 288 770 LEN=770; translated
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>comp13819_c0_seq1; 617 273 2231 LEN=2819; translated
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>comp13820_c0_seq1; 668 168 2876 LEN=2991; translated
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SILLACQVD AVNSAVAAGRAGKRAQETSTYKLF LQGH SITTLESENQVRDDKFSADSAQ
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CLLGGTPSVSEQIDRGNTIRSN SHILIVGD PGMGKSQMLLAATQLASRSVYVGGNTASTT
GLTVTLTKEEGGETGIEAGALV LADQGVACIDELDKCKHLDG LLEAMEQQCVSIAKAGVV
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NEPLPAGLVKDYIAYAREYCKPKLTSEAAVILKEYYMTLRYPANGRHHRDSVPITTRQLE
ALIRLSQARAKACLREFVLKEDALDVVELLKR SVEQVHTDEF GMVDRSRAGARGQSNRKL
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>comp13820_c0_seq2; 578 168 3062 LEN=3177; translated
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>comp13820_c0_seq3; 627 168 2973 LEN=3088; translated
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>comp13821_c0_seq1; 547 182 1906 LEN=2069; translated
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>comp13822_c0_seq1; 3660 258 12311 LEN=12474; translated
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>comp13823_c0_seq1; 452 146 1261 LEN=1648; translated
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>comp13824_c0_seq1; 341 1 960 LEN=1157; translated
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>comp13825_c0_seq1; 964 223 3066 LEN=3406; translated
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>comp13826_c0_seq1; 722 291 1997 LEN=2078; translated
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>comp13826_c0_seq2; 138 1 392 LEN=473; translated
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>comp13827_c0_seq1; 216 450 1569 LEN=1635; translated
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>comp13827_c0_seq2; 175 269 1301 LEN=1367; translated
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>comp13827_c0_seq3; 204 450 1397 LEN=1463; translated
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>comp13827_c0_seq4; 163 269 1129 LEN=1195; translated
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>comp13828_c0_seq1; 420 308 1093 LEN=1921; translated
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>comp13828_c0_seq2; 475 308 1231 LEN=1764; translated
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>comp13829_c0_seq1; 1327 608 5227 LEN=5431; translated
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>comp13830_c0_seq1; 506 1 1566 LEN=1729; translated
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>comp13831_c0_seq1; 197 210 1298 LEN=2106; translated
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>comp13833_c0_seq1; 127 1 1148 LEN=1304; translated
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>comp13834_c0_seq1; 1306 114 3968 LEN=5066; translated
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>comp13835_c0_seq1; 370 1 1417 LEN=1482; translated
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>comp13835_c0_seq2; 542 1 1915 LEN=2354; translated
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>comp13835_c0_seq4; 379 1 1162 LEN=1227; translated
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RDDRQQLVEKIYDAFLGERPPSPYRNRMNGTCQDQQLLQQGYDQQISNGRHLRDAYVVS
GSGDPNPDRLLELFGPSSLRRTAVSQGTGDGSGGTGESFLEGLLRYSDDDQRTLASGQVL
LSSMFAPELASYRAAHGGASPVILHHTADRPRDIMSSRKGTSCPSQEALIDRSYRSKDY
KAFAESEESRTMERLIENELEPEGVSFGLDCMMSICTDRSLPDVLADYGGNATGGRDE
NDPHTKAYGPNRFQRLLDYVVENSTFASRFNDELSKDDMGPFWADEVMDYIIPVITKGE
EKAVKFALYSGHDSTILPMMASLGRNVW
>comp13836_c0_seq1; 169 1 374 LEN=410; translated
XQDKEGIPDQRLIFAGKQLEDGRTLSDYNIQKESTLHLVLRRLRGGGKRRKKKVYTRPK
KTKHVHKAVPMQSLKYRVEADGKVTRLRKYSVAVAGICFMAQHHDRIYCYGKSHHTFLYD
DMKE
>comp13836_c0_seq2; 224 1 526 LEN=1227; translated
XQDKEGIPDQRLIFAGKQLEDGRTLSDYNIQKESTLHLVLRRLRGGHCQVPCGIFDDPA
MVEQLKEHAATIRKAMVQSKDLHSAGDLQSMNQIVRWINTKEEHCKIITTTIGEYCLCQR
VKKDVFDCGDYVDALKAHAVMQAAMKAKQTMDTAGADALDHALVDFAKMYTKE
>comp13836_c0_seq3; 133 1 299 LEN=1164; translated
XQDKEGIPDQRLIFAGKQLEDGRTLSDYNIQKESTLHLVLRRLRGGVYDPSLAMLARKY
NCEKAICRKCYPARLPPKASNCRKKKCGHTAQLRPPKKL
>comp13837_c0_seq1; 157 1 1381 LEN=1431; translated
XKRAFDDRGHALERIDALFEVHTRVFGWTTQQSTVHIIVKMRRANRPEPSSDLWDLVLD
MNWQEVIVHAREQPQDANFVEGHWHETPLYLACQHEPPIEALSIIIEAHPESVRIASREN
QDLPIHIACRYQASTAILEALLKHFETALVPTKWGRTPITTLCDARRKENKDATLIALC
DDKEFWSKVLVLSAIARTHNGVPYMYSEISSRDANPGDAKMEFAPFLAPLEEEESTFFV
HAAVSLGAQGCPEVLSVVMKKYPEQVFQDQWGRPLPHVGIQRITWSKHGKRRLLPKPEQ
PFLSVLLDAFPLAAREQACNDNGRYPLHSAIANGHAWEGGIRDIFLAPEILSVRDPISG
LFPFQLAALPAVAKISKEMDSFETSRYLLLRARTDIIDRIQPTGQGEKKSGLHDRTEVLM
SRRGKRLSFSVIATFTRFIVGFVGNITIRNARKLRNRLDL
>comp13838_c0_seq1; 277 1 774 LEN=1201; translated
RGNNKSTSKSTSTGTSTGTDPKGRGKTNNGARNRERHETS RNPTGSEGLSKQRAAENE
TWKAIRTEVLCVFAEKRRRAEKAAGTHQGNPAPAGTNPNGNEHQHKHEHKPAKAFDK
DVLRGITVRPSGKFOAQLYFGGRSRYIGVFDQHEAASAYEMVREKIKKTTLPKGRAAA
AAAGPTTDAAVVSPNLNQLLSAATSLSGHPGTTTTTRTAPNAAASATTTLSITPSPTRGD
GTREAARGLALAPAPRE
>comp13839_c0_seq1; 599 66 2049 LEN=2090; translated
MGHRCIAQWGKVLSTIHEHLFRQPSIRRCGGLGVLSRHFMFQSGNMNEVDFSRFGSKIC
GSVYQNVSHMKMTASRESIFFQQRKINSRGYHSIAGASPRQADLEERLWVIGANVV
DPETELHLKGLWLRRLTVFQKSVDDQNPESSESSRLCSNSIAAAVTLAPYIRFAQID
DEKEARQEIDQWVADSNLVTTSSESSNGGLQFEVDIKAVAKQPIPWTVQSGQSQEVEKSG
LGPGLTNVSHFLAVYSCKGGVVKSTVAVNLAYELARLGGRVGLLDVDVYGPSPPLQVTPD
DDAVRKSLSGSSMVCPIEHKGVKLLSLGYVSSNSGIPSGKNSDAAVLRGPMAGRVTQL
LKGTEWGDLDVLIIDLPPTGVDVQLTVCQEVNLSFAVGVTTPSKLAIAADARKGISMFDTM
GIETIAMVENMAYFECEGGGKHFPFGKGFAGTGNTIKESLGNIALKPENICQLPISEIAT
IGNDTGIPICLSRPEEAKLELEAFEKLAKIVSRELFQLPHRTPSSEGMVALDGEHFDLST
INLSEDKGSIVVRFSENGAIQKRVPSONLLRLDPMTGVDIKSSSPEKTEAKNDQEGVV
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>comp13840_c0_seq1; 613 366 2144 LEN=2351; translated
MPRRNQKKNRHRKGSYDGRGSQHVAENHNRNEATSLEEDLRQQRIRQQRQKVRERE

EEERKEKQQQGLVVLGEDDICNDDIGFQQPQKSSAMKKAKHLIMKGSLLPASIASLQQNGS
HGSNCSHKSSMSSSSFPSSVITLPPSFLLRHIEQSSPILTIYKRNTLRKIWSTQHHLEST
TIRSRAASLYCKTKWPQYMLEYSSNLKCSWDLCKHRLHPSARTFDVAVLDPCSEPPSP
TIATIFQDQGWGLLRQSQHKINTIKAPSVYAIRMHESKTCGMIVRPASDTNDSFMSPYS
FRWYPLPHATSYVEANLPRPVTDFCFGNEIALFSCPRHSTLSSESLNPLFLPLVEADGMR
NTTYDPSVRTLNVRNFPQSDALRIEMMCKEQEKILGFGRNGQVSIIDL RATGTLC SIL
QCELKNVGHPLGVSDFGFLSSGQQHQVLVKRSFGSCQLHDMRKSMSPPSPSPYEASYHT
STTVVRNMTVPQDEINPIASANCNGFFIDPNSRQTMMSPIASSSGDARLGVVSLGTGRM
VGSRLQKANKEYGAEQHSLSLHVEVCSKITPLVLSNQERKANDDFSSSAFGVW
>comp13841_c0_seq1; 468 152 1453 LEN=1660; translated
MTLIRTPGMVIVLAIATIMGFQFLTCVKETSIFYDVGTSMDVYEAI PAGLANVNDKGHDF
VVDYKDDTAGPLNPAQITHVYHVGRRKRYGRSNNQIITILHAVDMALDEHGDPNNRAV
IALSTWAFKVLKTIIFYNGLDGESEAEADQKFALELEQLRPVMLVHSDRLEALGLTDSHNK
TQVNLKTQNYVYTGKEHENSLSKAQIVERRRRMLWGQLLVKHGVADKNLVLNAVRDVV
EKRSRIYGDGSSGSRYATIHSRWLEGECCERRVGNILPAEDECWMTSPSYIKAIMGGTIDMP
IVFIGDGQKLEVLNLKDPDIPALIVAGEITLPGVEAPWWTQPWNMMVAIMGDIFI
GTRVSTFATMTGLSRVMRGADPGSNYIYARRSNSTEQIGNKQTQVEVVEVCKECLFYCNQ
KQSNFCGNEVIFS
>comp13842_c0_seq2; 64 1 344 LEN=1357; translated
XQQQQQQQAAAAAPASDAYYEQFHRYAYYYGEDAARQYYGTWSPVGTNPYGVNPDGI
SAPPVADTAGNGPTQAPASAPAPANTAQVDTARVRDSSVRKVSNLPAWMTKSK
>comp13843_c0_seq1; 326 1 1333 LEN=1436; translated
XALKDYILLSNTEVPPKFLIHTAPTALDDTISNIYQILQAXLVIIHLLFAVYVVKATSK
PQSNSRCLRRNQIISDMTMSSDTIVVTSVSCSLQDNNTTLQELESAVVGTEVDSVSAFEV
ELYYPSGTDSTTIVLADAGDGQEEIDDTETGTESLDEEDNSDADNPSESTDDEGSESVS
DESLYKSYRKLVI GLFFLSIVLFFVIDSVFGKEYVRQVITIFLEWIRENPGMGVVAFLV
YFAATLICVPGALLTLGAGVFVFSASFDGSLATGVILGTVAVFLGFSASAIVAFFLARYLL
FDRVRKLSERYSIFEALDIALSQKGFRLMCLLRLSPITPFVLLNYIAGVTTVKFSSYALS
TFCILPGAILYVFLGATAGSLTDKSENSTATIAAIVTGAVLGLLAIGLTSYYARKELNKE
VDLGEVDYMFERLLEGGEYDTDEA
>comp13844_c0_seq2; 269 1 879 LEN=1408; translated
YWEATPERGLEKTLSTLDMSLMEANNPEEQKKKDSYWDAAAPVDRSLQGKTL SKLELSA
LESNHPEKKEKND SYWDAPEERKLQKTLSTININTLETESTGEEPSSETAPSYWDDAP
IERSLQKTL SQVDMSAMSKQHAGERSSSKSGDHPYWDWKMKGFKKTL SKLSLSNLRTGSR
KDEIMVDDDFCVHGANNRSTNSMNSLDSSGVSNDGPRQPVKPITRKT HKLRDSWRKSFQK
MSTNTLDLDESTSSGGRIMGSRIFKSRNLDVSGGRSSVSSSTGSDGGITF
>comp13844_c0_seq3; 214 214 708 LEN=708; translated
MPPQQEDTQAVGDEAGAMPNKEDTTDNGEGGASYWDAPKERSLEGKTLSTLDMSMLEKAN
PDKDKEKND SYWEATPERGLDGKTLSTMDMAVF GAADKTTNGEDVKTSPSKSLPKTPICA
EEPDT EPSYWDV PKERSLEGKTLSTLDMSMLEKANPDKNKGKND
>comp13845_c0_seq1; 411 155 1294 LEN=1294; translated
MSSETPHIRGSDGGNETPSLPCTNKSAANVTIGQQSQPQTKTDPVASQQQQQLYPKPHP
TMPSPLYSNFASSSNNNGLPRANRSSQISASPASGTASHCPSTSNLHPRFTKGEVPE
PRPTDVICGRGKMTASHPANRRFRELVD SHKASYQNSKRRDEKTRITCELVDKLRGEGRF
VLFDPHTKLWYEVSEYAREKVS HSLRSRSDHRTISNTGTSSSNVPQKVPGSNGNND
NTAVAIAPRSEGTSIGNSSSPAISVPVTSKNPASTSSSDAINYNQFVPNSGIGTVTKKN
ASSTSGGSLSGSKTTGGKKTKTI PHKTT HSSRSLKASKNSLVSPDLDEIVKRLICDQ
QELLRGM IQKETERFTSAAA
>comp13845_c0_seq2; 411 188 1327 LEN=1327; translated
MSSETPHIRGSDGGNETPSLPCTNKSAANVTIGQQSQPQTKTDPVASQQQQQLYPKPHP
TMPSPLYSNFASSSNNNGLPRANRSSQISASPASGTASHCPSTSNLHPRFTKGEVPE
PRPTDVICGRGKMTASHPANRRFRELVD SHKASYQNSKRRDEKTRITCELVDKLRGEGRF
VLFDPHTKLWYEVSEYAREKVS HSLRSRSDHRTISNTGTSSSNVPQKVPGSNGNND
NTAVAIAPRSEGTSIGNSSSPAISVPVTSKNPASTSSSDAINYNQFVPNSGIGTVTKKN
ASSTSGGSLSGSKTTGGKKTKTI PHKTT HSSRSLKASKNSLVSPDLDEIVKRLICDQ
QELLRGM IQKETERFTSAAA
>comp13846_c0_seq1; 421 197 2120 LEN=2346; translated
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NMGEIISDSNNNTISPGENSRKSSSSLPNTVM SAMTTPVASLNKKFPRNNGNERQN
DRKMDLMWCQSDRCQDSL RERVGDHNTIVFN GPATGQVAYRWK KAYPISKSSSEKSHS

SSSSKENTPNKTPPFATPVRSKIASVLLLVKRDDDDLLQIAAHKVSTKLLWRDPTVSNIR
FVNDDLGIILYQHGLACDESDKQREGLLIVAVFPCPAASDXAYALANFFRKVPELTEVGLID
VLMAPELAAKLKHYYGVDDDERIHLFEPKDTNIDDKYVRYVEDDEEEWVRDMNYGNTFPD
LICTLGGDGLLLYASSLFQGPVPLLAISGGSLGFLTAFAHEMTNAIRVALGMTMPIAE
DGEDDGDDEENITTEVPFSSVEEEEQALQVFPNMPSPYEPYPLVSEKAPRFTFGLDEH
ICMTIRMRLDCRIVNREGVVRGRYNVLEVVIDRGGSPYLAALECFCDVHLTTVQADGI
IFATPSGSTAYSMSAGGSVVHPAVPCILVTPICPHVLSFRSMVFPDHVVLRCFVPPDARS
FASVAFDGKHRSELQRGDSVQIQMSAYPFPTINKGDHSSDW

>comp13846_c0_seq2; 516 197 1921 LEN=2147; translated
MNSRKMSSSAVLLGIIQIFLLLYLTHKVRTFTPRSKRFSVPKYSNLEGKTNGDNRDDIGS
NMGEIISDSNNNTISPGENSRKSSSSSLPTNTVMSAMTTPVASLNKKFPRNNGNNERQN
DRKMDLMWCQSDRCQDSLREVRVGDHNTIVFNGPATGQVAYRWNKKAYPISKSSSEKSHS
SSSSKENTPNKTPPFATPVRSKIASVLLLVKRDDDDLLQIAAHKVPELTEVGLIDVLMAPE
LAAKLKHYYGVDDDERIHLFEPKDTNIDDKYVRYVEDDEEEWVRDMNYGNTFPDLICTLG
GDGLLLYASSLFQGPVPLLAISGGSLGFLTAFAHEMTNAIRVALGMTMPIAEDGEDDG
DDDDENITTEVPFSSVEEEEQALQVFPNMPSPYEPYPLVSEKAPRFTFGLDEHICMTIR
MRLDCRIVNREGVVRGRYNVLEVVIDRGGSPYLAALECFCDVHLTTVQADGIIFATPS
GSTAYSMSAGGSVVHPAVPCILVTPICPHVLSFRSMVFPDHVVLRCFVPPDARSFASVAF
DGKHRSELQRGDSVQIQMSAYPFPTINKGDHSSDW

>comp13847_c0_seq1; 281 72 1592 LEN=1878; translated
MRDRQEDKNDSSINALALSRQARKLWLQSATSLEDLDRVEDLYRRALNSKRKVAGKHAEE
AETGGKRRKSSDGKMKVAALSPEEYRKAGERLSLLYIQSGRPYKATMGLKYLGFECRLS
ERILNYPLKLEIKNTKRNTTGKKNRDSNNVKSMPPEPPCCVDDFLSQSELNHLRKFVFG
DVSSSYWSSHNYIIDEEPAPYFSYVIDLRQPGTKTSGAKKGFRLSVIDKILTCGPVSEK
FQHLRRDARYVELWAHNRPHASGHQLHFDSDDDEGRSRQQEFPKHPIASTVLNLSHRSRVG
GPTLVTTQRLRNPTTTNLSSVKGLVPSKPARLVCFDGSVLHGMIIPGKGTIPPPMTATDD
NHGEDDRDGSRSYPPREHRPRRVTLMAFWKHKIKVRKGSKPGSARPPKKTVSCADVA
AAPQTPSDLSSILPSWAVELDRTDIAVSAISSKRRKDETSRKVIPVPRVYERFDGNPVP
KYHIGSDDSMGDGYMPEYDRVFQGF

>comp13848_c0_seq1; 591 163 2006 LEN=2079; translated
MSTTNSGKDDNETSSSMHPTNNLVRALLTDLYQITMTYAHWRIGKADEPVVFFELFFRKNP
FRGEYTVFCGLDECLKLLQTFRFSEDIRYLKSTPALSRAEPEFFDYLANIHKTSPLSLR
VHSVREGTVVFPRLPLLIVEGPLALGHLLLETALLNLVNYPSLIATNASRMVLRAGGKPCI
EFGLRRAQGPDGACASASKYSYLGGFVATSNVQAGKTFGIPISGTHARRNSTRCDAMRSEA
VPCAQCKSPCWATLLHDNSGSTHLIRLLFAFPVLSLDSFIQSFTSLEDAAGLKLFFHKS
QREEVFLDKALEYRSDAKASTNDELAFAFCAYACAFPDSCCLIDTYDTLSSGLPNFVVF
ARALDDFGYAAKGVRLDSDGLCSLSLACKTAFEGVAAREPSRAPVFGNLTIVASNDINEE
SLAEFENTKTNGLTAYGIGTNLVTCQAQPALGCVYKMECNKEPRIKLSQELVKVTIPGR
KRVRVLYGGPDKRTPLADYMCLEDEDPPTTETADGILCRNPFPRPQERTRIFPGRVEALHG
LVFADGRAASESPLLCGLSETRSYVLQQLSEEFPGSVTRYSNPERYDVAVSPGLYAYLH
ELWESNAPIPERR

>comp13848_c0_seq2; 614 163 2216 LEN=2289; translated
MSTTNSGKDDNETSSSMHPTNNLVRALLTDLYQITMTYAHWRIGKADEPVVFFELFFRKNP
FRGEYTVFCGLDECLKLLQTFRFSEDIRYLKSTPALSRAEPEFFDYLANIHKTSPLSLR
VHSVREGTVVFPRLPLLIVEGPLALGHLLLETALLNLVNYPSLIATNASRMVLRAGGKPCI
EFGLRRAQGPDGACASASKYSYLGGFVATSNVQAGKTFGIPISGTHARRNSTRCDAMRSEA
VPCAQCKSPCWATLLHDNSGSTHLIRLLFAFPVLSLDSFIQSFTSLEDAAGLKLFFHKS
QREEVFLDKALEYRSDAKASTNDELAFAFCAYACAFPDSCCLIDTYDTLSSGLPNFVVF
ARALDDFGYAAKGVRLDSDGLCSLSLACKTAFEGVAAREPSRAPVFGNLTIVASNDINEE
SLAEFENTKTNGLTAYGIGTNLVTCQAQPALGCVYKMGSKETQHHCILFGWIGVGFDPD
TSIPSYEPNPSSQIADFFDCLFLAISFSLSVHHTNLQHHHQCLWSAVECNKEPRIKLSQ
ELVKVTIPGRKRVRVLYGGPDKRTPLADYMCLEDEDPPTTETADGILCRNPFPRPQERTRIF
PGRVEALHGLVFADGRAASESPLLCGLSETRSYVLQQLSEEFPGSVTRYSNPERYDVA
VSPGLYAYLHELWESNAPIPERR

>comp13848_c0_seq3; 690 163 2061 LEN=2134; translated
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FRGEYTVFCGLDECLKLLQTFRFSEDIRYLKSTPALSRAEPEFFDYLANIHKTSPLSLR
VHSVREGTVVFPRLPLLIVEGPLALGHLLLETALLNLVNYPSLIATNASRMVLRAGGKPCI
EFGLRRAQGPDGACASASKYSYLGGFVATSNVQAGKTFGIPISGTHAHSFIQSFTSLEDA
GLKLFFHKSQREEVFLDKALEYRSDAKASTNDELAFAFCAYACAFPDSCCLIDTYDTLS

SGLPNFVVARALDDFGYAAKGVRLDSGDLCSLSLACKTAFEGVAAREPSRAPVFGNLTI
VASNDINEESLAEFENTKTNGLTAYGIGTNLVTCQAQPALGCVYKMGGSKETQHHCILFG
WIGVGFDPDTSIPSYEPNPNSSQIADFFDCLFLAISFSLSVHHTNLQHHHQCLWSAVECN
KEPRIKLSQELVKVTIPGRKRVRVLYGGPDKRTPPLADYMCLEDEDPPTTETADGILCRNP
FRPQERTRIFPGRVEALHGLVFADGRAASESPLLCSGLSETRSYVLQQLSEFFPGSVTRY
SNPERYDVAVSPGLYAYLHELWESNAPIPERR
>comp13848_c0_seq4; 667 163 1851 LEN=1924; translated
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FRGEYTVFCGLDECLKLLQTFRFSESDIRYLKSTPALSRAEPEFFDYLANIHKTSLPSLR
VHSVREGTVVFPRCPLLIVEGPLALGHLLLETALLNLVNYPSLIATNASRMVLRAGGKPCI
EFLRRAQGPDGACSASKYSYLGGFVATSINVQAGKTFGIPISGTHAHSFIQSFTSLEDAA
GLKLFHKSLQREEVFLDKALEYRSDAKASTNDSLAFAFCAYACAFPDSCCLIDTYDTLS
SGLPNFVVARALDDFGYAAKGVRLDSGDLCSLSLACKTAFEGVAAREPSRAPVFGNLTI
VASNDINEESLAEFENTKTNGLTAYGIGTNLVTCQAQPALGCVYKMVECNKEPRIKLSQE
LVKVTIPGRKRVRVLYGGPDKRTPPLADYMCLEDEDPPTTETADGILCRNPFRPQERTRIF
PGRVEALHGLVFADGRAASESPLLCSGLSETRSYVLQQLSEFFPGSVTRYSNPERYDVAV
SPGLYAYLHELWESNAPIPERR
>comp13849_c0_seq1; 387 101 1063 LEN=1260; translated
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IASLVKENASRDDGAGANTIPSKEDRKRKREMCKNRRMEQQQQKQQQRQONQRQVPVPS
YTVEKSSKTKTSQRTSALHSAQQEARSAMLLKVKSKHRIRRLCRTLKVVQKSVSGEKGPSK
VRFSPYYDLPKGSNPKAPRTSNGVPTKKRKRQKWESESIQPLRSDYSGIGMARESMYIEF
VDPSYFPKLEEEFQEHIPGFFGKQRTKAMKRQMDGNMLWRRLANEKKKNGGSKKFKEMST
DERLQAMLDSTDKSDLLGQN
>comp13850_c0_seq1; 498 1 1525 LEN=1525; translated
FGNSPSFYIDRNAAMSGNSFEEGWVDTIATSLLEEQLSTVYPQGPNGFDHSNDANGNDGED
DVDESKIEVVLNRNCSLNMNMSDFAYMEDQEILQKAFARAVGEWKSKNASSVVGEEETAG
GRQLSIGSGKTSNSTANSFSLFDQLQGGFALPVSLEEQEASTAQERLEVFRKVKYLEDL
LMDWNEICPLLKDLSESVRSRDLALEIIALQRKWFDDQGRSSPEYGPVLYGICQNLLET
LAEVARFEDPQRDGRDPLESNERTLIAALALNWREMWLWLDLQRDQYSEVLATEIEHLMVS
IFLKDDSSARSRLARKAVDRADPCARWFEGWVRNLRTDDQLVSLLCGPTPEKAVLPDLWA
RVRGDDPCTPAAVLSAVLCRTRLSEFPWGLAAPGAAPQSHGEGAARWDVPATAVDEMLD
SFLLVVRLSLGDESTSGGGPGDEPKTVVNLNGVEAILAGSYDCRDGSDYDRRRGKIMSVL
RQDENVRGDEAVARFLERQQTKDDDDDD
>comp13851_c0_seq1; 148 224 814 LEN=2620; translated
MTFLGQSPFVTNDTFIAPTASVIGEVNTNDQSSVWYGAVVRADSSHPITIGFTSSVGEVS
VVTTLKNGTLKTKGFPPITSIGHYVTIGGGCVLKSCTIEDLVVIGEKCTILEGAVVESNV
ILEPQTVVPPYTYIPSGQKWAGNPATFVATVTADEAEEDIKRTSLETHQRAKEHLTEFLPV
GNTYVHLEDLEKQQA
>comp13851_c0_seq2; 137 122 820 LEN=2626; translated
MANMLKSVVSKGLREAGSVMRGEAGVLEIISRHRPKMTFLGQSPFVTNDTFIAPTASVIG
EVTNWDQSSVWYGAVVRADSSHPITIGFTSSVGEVS VVTTLKNGTLKTKGFPPITSIGHY
VTIGGGCVLKSCTIEDLVVIGEKCTILEGAVVESNVILEPQTVVPPYTYIPSGQKWAGNP
ATFVATVTADEAEEDIKRTSLETHQRAKEHLTEFLPVGNTYVHLEDLEKQQA
>comp13852_c1_seq1; 441 107 1150 LEN=1347; translated
MTSEEEKSTKNNNHNETFEIHECFGKDIIDRYDGFILDQFGVLHNGAHGLEGAPELVQKL
AGDYNKLVILSNSSSSSECKAKLPKLGFDPKNFCNAVTSGEEAGKYIRDQYAGTTTPE
GAMKKALWFTWTKSSLSPLRFLLELCGNI PVTTPDSEADYVVLHGVDLLRGPADGEAEE
VSLGDFFETGKLDGGSSESGDSPATTTIESILQACAKRGLPMVCANPDFIMVKPDGSTGYM
PGTIARRYTELGGSCVEFGKPHASHFEACLRDLGLPREKVAHVGDLSLHHDIKGANDSRVD
SVFVAGGVHRTTELGSALNEVPSRDALDALFEKHALMPHVPMFRME
>comp13853_c0_seq1; 436 412 1764 LEN=1863; translated
MVAASDYPRFVFLREYCGVDLTYTQMLLAKKFMADPVWRKAHLDLYETTDITNNLPLDPN
SLHPSQIACIGDFDEDQORLQSLNLQPFRRREKSAPLMVQLAGDDVDTVVQTAIMIYEHTD
GKLTGIDLNCGPCQQIASKGNYGAFLMERDPELVNEILAGLRKNLPSEVSVSAKIRLPLD
DDTLRERIPRLMDTGINFMTVHGRTLKENKAKAKGAHIDRIRLAVKLAHELDPDFVIAN
GGMEHYDDIQSILKSTGASAAMSSEGLETPDLFTKESMDPKTPEEQFDRQLSFAKNYLD
VCSRVGPPPLPGVLGKGGSFNVVRGHFLFKFLHRYINSDHQDLRNKLAANGDDCMRTLGEAR
SLVEELESRYDNISEEKWEKLGSSSPTASWYRRHRKPDRRVHERSIQGMGYSSSESELS
VSERKQKIKERLAKMKARKLAQKGNKQFV

>comp13854_c0_seq1; 129 1 1400 LEN=1687; translated
FALPSKMNEHAIRSHHIESEPIDCNGKDAREDIGFWLQPPPQLLQTQTQTQTSGLGSVS
ASASFAAPRCDDGGGCLCFRPSVGNPGGVLVSSSGPRFPGSPGPHPLNRRRCPWGDGPLAA
RGSRRSEKENKNHENESHEALRGAVEIGHTPAQQQQRGSGNQARAPAKQSRPRGKTATATE
KITRNFLLDATEEALFRQQRAMDSLESERAKLVGSSDGSRAEGKTPGV DARQSELFRQR
KDMETLRTELQRLPAKASPETAQLAXDRIEVSEHRLAAAEGPPHNHNNSHIQSKAFRL
PDPGPPEGHLEDPNLGLHTGIQAVWPAPGILGPRLLLAPGRSDPGLRPVFFVRRRRRLPPE
DAQGADLWFQVEDYDGSIVLLRRTSLVRGAKNSGKCLQAAADLAAHSVWGRKGGSSGFV
PDTVPVYVYTD SRHVAKRGSKAGRMRKRKSFGRMLMGRPSEAVEDGDW

>comp13855_c0_seq1; 410 1 2046 LEN=2232; translated
TEWYGSTTENAFVAHQQQRYWIVRNIPWFI PDRLIRTSNSFRSFPGCSRNTKQHKPVVGA
ISIFPPGVSSRFLLPVVYFMTAGDGDSSCRNSDITLQAANRDAQGNMPPRAGTAMSF
RTRGDREIAVYIQKIEQRKDDPSKQIEYMGLRALLQKQVQQQQVSDLGSLVGLVVDG
MRHYPANEELIEECTCVLYLLSILDPTFKKGVARLFFKAMEDHRENVAIQRAACAAIRRVI
SKNPDAIPRIIPSVSVILRSMGEHTENSKFLCSALEVLAIIASNVPKPIFVYRDGALNH
VLAAMKKFPNDLSIQATALR TL SNLAYSGEEILESFGPTITVVIRAMKRHVMMHNKVQLY
GCCTLHYIANSYKEQISECWGIPTILIAMKEYAHDIMLQEQQCATLSIILDEKLDNDIEA
FIKDDGLKTIQSMQSPQNV EI QKYGLKILNSLKT TDNYELMLSAGGLDVIISNMNSFE
HQADIAVQCCEILKNFTRMSLDFQRAVSAKGGIGLVLTMMRRHVNSHSVQDSSFACMRNI
CLHRDNRLLEVAEGGIGTLLTHMAIYLEDAAIQAYGCDALGRLATETKNQVTITNDNGVG
EVL RAMQEHPGHPGVQDRACFFLLAMTEYPPAVESMGDKNTLEIVRGARGKIPKKEVAKQ
RLET LISRLEKEEGTGWFKRK

>comp13855_c0_seq2; 388 1 2279 LEN=2465; translated
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VLAAMKKFPNDLSIQATALR TL SNLAYSGEEILESFGPTITVVIRAMKRHVMMHNKVQLY
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FIKDDGLKTIQSMQSPQNV EI QKYGLKILNSLKT TDNYELMLSAGGLDVIISNMNSFE
HQADIAVQCCEILKNFTRMSLDFQRAVSAKGGIGLVLTMMRRHVNSHSVQDSSFACMRNI
CLHRDNRLLEVAEGGIGTLLTHMAIYLEDAAIQAYGCDALGR
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>comp13856_c0_seq1; 825 84 2933 LEN=3025; translated
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MSELSAEEDNPPSSPVR SFFYP SKQSPLQTIETGPIENLNGGWKATDDRGPGRRRVQSNM
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SPGSSINDSSNVDYATQERQDKALVEKFWTAYDEILILSIFTQV GILCRLGAAFFQNF S
DVFHSDSALFTNLPLNCLSCFVMGLLCSGESLMQIIGTRFTPPRLQRDLHRETILQCQET
TLDDGESPYDQRI VDDDEEMIEMTTIETERKGWRRRRRKRRAKRKTNRNRRRNRLSNLS
QQHRNKHAQNPD IYNELREVQLLAWERRIRASICLLLFVVKKEEVDIVETYFSEGYERER
NFGGEEKTEESGTVLSPKFENQTS GCDAVFSDSGNTDMGGFDDLI FEEEIDHS PRKPPP
RKLPHKTPEMKSTGKKRNQHIA TDTMNGLSREN RDTPEQGRMHARGNVHISARQYGQLEG
GNI VDYGT HENPDLDQIISNVATNVATGVSNNISMI GRVNFANGWDVGTSPQEKSEDLTL
GLRDGLCGALSSFSWISSMVNLF RAGEIGQGLVGLV LGIQLPMVAYRFGQHVSVYIFVW
RCRREKGRDERRGYGIQVQTLDEEAPTDDLIGSPRSFRAGSFD SADVSSAGHSQRMTRTK
GRRTVHDEENDVPSIRAI FTALFIMCLVAQLTSLTFFKKTEDRLLALSLLFSPLGVLARW
RMMKFNSWRPSFPLGTFACNVTACALS GTLGTLLAGNPGPRERIALVSVIAGFGGTLSSV
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>comp13857_c0_seq1; 1968 1 4544 LEN=4744; translated
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LLRVFNPF LSRLET FDPVFEQMEELVCQKEHHSNHEKQDTCGNLNDKLVKTPVAFAAKF
SELLDRVEHFDRCFATMEGTENTQDDSNMEQKETSFKKRKLEQMKQKWF AARLNFKLR
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GQNKDCDGDSEIGDEASIDNSDFFSVETPSISIMTPSEHSNINSARDFRSFVMS PSTRTN

LTEVSKDESYS DHVLRSPVCLSPESRLAEDLSDFGGPSDEEENKIGVSTPGRLAVITEEV
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KEFQDEDDKRTVSTSTDSFKDCMSRSTTMTEREVLNDNKTVFSINTTGTGSDSFKDCY
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NGEAEESLSTYLKAIIEEGEEEADETSVEARDDDDDEVNESISTFFRGMTEELGTSESKSLL
EPKCIHDEALS AFLMDDTETRTSDDLRRDSDMNDESISKILEDLSMEEKQPPILEQMRACK
SFQLENSYYFNQTGTIEKPKHRYKKALKKSRGETHDHNQHSGNATSAPLTVEDRRQRRLR
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>comp13858_c0_seq1; 218 201 1232 LEN=1751; translated
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GWRWHTKSLMRDARRLHRLAMRTDPKNADVLRDASDYVVGFNLMGLHKIEATLFFP
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ISELATQSEELREVTQKMILLEDSFLAPAIGAMVPTREQKSFNKNVLRKLGILDSRLH
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>comp13858_c0_seq2; 218 201 1232 LEN=1315; translated
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WREKLTNNSMKNKPLERAFSSAMDVLEGRKTVARLGRSISDSARTACNTELPESLRSAA
ISELATQSEELREVTQKMILLEDSFLAPAIGAMVPTREQKSFNKNVLRKLGILDSRLH
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>comp13858_c0_seq3; 300 201 1426 LEN=1508; translated
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GWRWHTKSLMRDARRLHRLAMRTDPKNADVLRDASDYVVGFNLMGLHKIEATLFFP
WREKLTNNSMKNKPLERAFSSAMDVLEGRKTVARLGRSISDSARTACNTELPESLRSAA
ISELATQSEELREVTQKMILLEDSFLAPAIGAMVPTREQKSFNKNVLRKLGILDSRLH
LVGMYEAVWEDGKHSEKELFEQAIPGXITPDDPALEAKALSTEDVHARMMLRIDEVRN
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>comp13859_c0_seq1; 275 1 1687 LEN=2040; translated
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HKNKNYNTEARVDPEAPGLCDCFPGWKGRTCCEVLDDL PVPDKRIGLKL PDRNSSTWGG
SVVYYEDQDKDNTNGLYHMFASEI IYNCGLSSWTTNSQVIRAVSESPYGPYRKVQVIL
PTFAHDANI IRAPTGEFVLYVTALRGIAPKDCRHSSDAESVSRLSILHQMHGSNTTKMR
HLREPLVNGSKNDHDHDI PPKD TYMLWAPKPEGPWSEPVMLNSTIYNSDYWKKFNKTAK
CDSNLNGIILPSRSSGGDHNALHRHDDSGAQPFGLWRRCE TEDLLTIPHALLASDWKNAS
TYAPLAETPLFVLAGSGAEDPSNIWTTQTSDMKPGEVAYHALFHDEQATR CMIGSCGGQ
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>comp13859_c0_seq2; 225 83 1211 LEN=1564; translated
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NDHDHDI PPKD TYMLWAPKPEGPWSEPVMLNSTIYNSDYWKKFNKTAKCDSNLNGIILPS
RSSGGDHNALHRHDDSGAQPFGLWRRCE TEDLLTIPHALLASDWKNASTYAPLAETPLFV
LAGSGAEDPSNIWTTQTSDMKPGEVAYHALFHDEQATR CMIGSCGGQ RHAVSLDGT TWK
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EDGYVYTLVQPLNTE

>comp13859_c0_seq3; 149 1 631 LEN=752; translated

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>comp13860_c0_seq1; 787 145 1902 LEN=2309; translated

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EDIRMAVANVLSDPNERRRKSRRTGSI RTQQSQQLQKHGMKLT PGREPPTKGAAGGAIK
ETTTKSDNSQIRTMVEKMMRPPWILRNQSLFATIALANFLLLYVTLSSSEPSYTKISNAVF
IFNTAVSFFCAMEKKNPQNLTAIDSSIVKDRTNADTDGACASDDEDSNNARIQKREELV
DEMEKRLRPETSITLWLPDVHYSEVDLQALLDLQPESTLAERRRFLKARKGVKAASQA
LGSYLQWRSANKIDEFFPSTFTTDEEDWALAARGAMEIANNTKGP SLAANGQRSLLPRIV
SVFGGDDGLVLCKNGARIVHVLPSQLDTTIAPSTTYALALAMYLD RKLDRKHTEKVTVVI
DIRSGKGWPNPSSVSLVFPFIKLVVGSLSNYFPERLSRCILFPLPMTATVLFNKAKAYLDP
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>comp13860_c0_seq2; 736 145 1754 LEN=2463; translated

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EDIRMAVANVLSDPNERRRKSRRTGSI RTQQSQQLQKHGMKLT PGREPPTKGAAGGAIK
ETTTKSDNSQIRTMVEKMMRPPWILRNQSLFATIALANFLLLYVTLSSSEPSYTKISNAVF
IFNTAVSFFCAMEKKNPQNLTAIDSSIVKDRTNADTDGACASDDEDSNNARIQKREELV
DEMEKRLRPETSITLWLPDVHYSEVDLQALLDLQPESTLAERRRFLKARKGVKAASQA
LGSYLQWRSANKIDEFFPSTFTTDEEDWALAARGAMEIANNTKGP SLAANGQRSLLPRIV
SVFGGDDGLVLCKNGARIVHVLPSQLDTTIAPSTTYALALAMYLD RKLDRKHTEKVTVVI
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>comp13861_c0_seq1; 1538 470 5992 LEN=6499; translated

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VECHEEADVELAKHASGDDRAYVAFDSDFYFFKNIQYIPLGKLAIEPSGIHACVARRSA
LANLLGFENDDRLEVEMALLMGNDYVDPRESLNVPSVDITNVQSMVYYLQCHEDYQVSAK
NKEGAEALS FVRSLYNLHLSLEAFPLVFNSTNIEKHDGI IARDANEQLLPEDFYVRDGI I
RCLRKTLDLVDGADAKFPLSEYAVQAFEMSSMPMERHTIPTLQTRPTYQE IKAANFIERC
IARFYRRTMNSSFLVRTTPPDALMSRLHFHAALASLRPTPIETDAMKEEKSAIENESEAV
LIEEPLRLPIDEHESAI LENIRNHRVTI IHGETGCGKSSRPVPM LKAPPPDGLSQKVKF
FISQPRRIA AKALVERVRSCEPEFKNFALRMGHGWKEYESKETQAYFVTTGYLVRLLAN
NPERFEDCTHLVIDEVHERSVDTDILCLL CRRLLETNENIRLVMSATLATKMYREYFDV
PNEPIHVGVRYPITEYFVEDLAQFGLPNQEAKAALAIQQENEKKRCITAPTSAEMKNRF
GLAARLATLVGIPGSSVLI FVPGMAEIIAISECIEGFHTPGVRYTCFPIHGDI PFEDQME
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FMDCLEPPPLDITDRSFQSLYHWNFITEPDD EADITSLGSGFVSALGVDLSLGSF IGLGIQ
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TQPFVWNIIGECREI SKNSLEDLLARKNIRSSTSKKNSAQSI IVKRPTNTRATSSSEIAR
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LSSNQVYVDDSVSTAIHTNRLYAVAANA LELQRGGMRVDGLTLLPPNPLFLVMSLLSF
GLEINTPLRWAIQNDESAARKKI QKSYAWLIDRAITVFNKSSGGDRVVL SVAPLTDGES
SQELIWEEQQLKDRLDQAI AFNERSMSMGEKLVCSPERIKELCEVFNGFDGYSVSTWESM
TEESITMENLFDWRKERKYATNEGQKGQFRRLSKETNANCIASKDSKKVDS SNKKKIPPN
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NILALLFKLFEAQVFAGD TVNHSEKFTVALNIENWDIADFKGKGKALYRAYFVNDNIPT
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>comp13862_c0_seq1; 487 325 1942 LEN=2214; translated

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GPGVWHARPLDHPNSARKPHRRDRRSEIHLRADQQAWVQLRLRTELKREAVAVAMETG
QHQHDGYNGTNGTINGNINSNGNINGNHDTHHHTQNNNYYNHHHNYNYNHDPNDDDD
DVSILTEYSMEEATGAACEGHPKRTSDSPSQTTVHTHTSWTCVTDGTMPPFGAEGDRKRRP
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GREGMIGPNIVFIANRCSFFSLPHSMKFYNASSRMTADRAAGKTMNAIEDNMASTTRSID
NAIPTVLETGRRVAVTGVEVAKTVETGGKALMDDIAGFVEDNEIDNTIESATKRFAKTQP
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>comp13862_c0_seq2; 929 126 1844 LEN=1902; translated
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S A L F A A Q Y F H D D D Q W S E D V D A V Y Q Q E L F D Y N P T Q H H H H Q Q Q Q P S G F N P E F G Q A P E Q E Q T F
E L P S K R A V F G G A A L G T M L V I N N A V G M S V G A E P A I A E P Q E P S S E V P H Q L Q T S V Q S Y S A I T D
A Q P E V T L P Y L E E Q I K T A E E A I A Q A A F A D E S S A S V A V G E E M Q A P E T T F G Y S T P V V A S T E T A
A P E T I A T Q A S P A Y Q S S A S V V A S V E V T A P K P V A D V A K T D A P S P S F V R Y T R E H M P E W I E R G Q
R V Y D A A P K V V A G G T K I A A E F D K R V T P M I V E K E H E L L G D A N S A V L D K T L S N V A Y A G K M M A
G M V G K V V S L G I E G G V Q V A Q A T P K V I K A G Q Q V Y N T I D Q K I M P E V A D T T R K M K T I V D K T V P E
V A E A G M H A Y D T I M P E V M N A E R Q V A T T V K N G I D M A M P T L K E I E A R V M P V L N D I E H D V L G D E
G A Y M L E K T V A D A A Q Q G K N A L D T V A R T V P E V T A S V Q K T V D G V A Y T G R T I S R A L P V I A E S G K
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>comp13862_c0_seq3; 1068 126 2241 LEN=2513; translated
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E L P S K R A V F G G A A L G T M L V I N N A V G M S V G A E P A I A E P Q E P S S E V P H Q L Q T S V Q S Y S A I T D
A Q P E V T L P Y L E E Q I K T A E E A I A Q A A F A D E S S A S V A V G E E M Q A P E T T F G Y S T P V V A S T E T A
A P E T I A T Q A S P A Y Q S S A S V V A S V E V T A P K P V A D V A K T D A P S P S F V R Y T R E H M P E W I E R G Q
R V Y D A A P K V V A G G T K I A A E F D K R V T P M I V E K E H E L L G D A N S A V L D K T L S N V A Y A G K M M A
G M V G K V V S L G I E G G V Q V A Q A T P K V I K A G Q Q V Y N T I D Q K I M P E V A D T T R K M K T I V D K T V P E
V A E A G M H A Y D T I M P E V M N A E R Q V A T T V K N G I D M A M P T L K E I E A R V M P V L N D I E H D V L G D E
G A Y M L E K T V A D A A Q Q G K N A L D T V A R T V P E V T A S V Q K T V D G V A Y T G R T I S R A L P V I A E S G K
Q T Y E S V D R G I S D A I A T T Q D I A S D I D R A A G K T M N A I E D N M A S T T R A I D S A I P T V L E T G R R V
A V T G V E V A K T V E T G G K A L M D D I A G F V E D N E I D N T I E S A T K R F A K T Q P V Y R D F T A S V N D P N
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>comp13863_c0_seq1; 955 1 2722 LEN=2869; translated
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Y R T N V V L A P L G D D F R Y Q G T V E A N L Q F E N Y Q K I F D Y I N A E V D N V E I S F G T L S E Y F K T V M A E
R P F S P P L L K G S F F T Y A D R E E D Y W S G Y F T S R I F D K A L D R K L E R V L Y A A S S M G A T K K Q M M E P
R R A L S L F Q H H D G V T G T A T V A V V E D Y A K R I H G A I A F V Q D W I R K N L P A G A E S K L L S E K A G L E
A C W Q S T A P R G L S Q N L C E K E G G G N S N I I V Y N P L L T D Q S C G S V V V P G R T I A H A T L P C E T P G P
L P P P E V E S G D H Q Q P S G I K F D P N T G L M L Y P V R E E W M V W K V T Q G G A Y L F F P G E L G S Y N E L D L
D I R E G G S I V I T K H W K R T V V E R K L S K N E S G G F G G V A I D F V Y E T N L Q T S N E E W F A R F T S P D I
K N Q G I F H T D L N G Y N F D T H H F R S D M P I Q S Q V F P M P T L A S I E D S N K R M T V L S E H A Q G A A S L E
E S A I D V W L D R R L A Q D D G R G L E S G V M D N V P T R T R L R V V L E E R T P E A S K A K E F E I T P F C K L Q
W K E L N H P L E L F G T T G D D E T I P S I E L A S V E T R K A Q H K K G M I G S D Y V G H E H V P S P G D S P P G G
S C R I S A V Y M V H D R V E Y L K Q A M D S L R D S D Y P K D A P V V I S H D G H V R E M V D Y V E S L K Q E F N I V
Q I F H P Y S C A E H P N E F P M D D P K L N E N F E G D T Y G N P R D G K I T C C K H H F S W L I N T V F D M E E T K
D A D G F L F L E E D Y I V A P T V Y Q T I Q K G F A Y I D T K N R R D D F F G I G L D P S N G Y A Y V V P K G V D W V
E S K F V T G P V V I R R E I F S R I R A H A K E F C T W D D Y N W D W S I V H L M A M E Y I P F W G H P A D H E H C I
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>comp13863_c0_seq2; 992 1 2938 LEN=3085; translated
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T C G P D P S V C C Q F D F T R V M H P H E V K Y V A K C P W K I D A Q R I T E D N L E E R S M L L L D Q Y R K K A N L
Y R T N V V L A P L G D D F R Y Q G T V E A N L Q F E N Y Q K I F D Y I N A E V D N V E I S F G T L S E Y F K T V M A E
R P F S P P L L K G S F F T Y A D R E E D Y W S G Y F T S R I F D K A L D R K L E R V L Y A A S S M G A T K K Q M M E P
R R A L S L F Q H H D G V T G T A T V A V V E D Y A K R I H G A I A F V Q D W I R K N L P A G A E S K L L S E K A G L E
A C W Q S T A P R G L S Q N L C E K E G G G N S N I I V Y N P L L T D Q S C G S V V V P G R T I A H A T L P C E T P G P
L P P P E V E S G D H Q Q P S G I K F D P N T G L M L Y P V R E E W M V W K V T Q G G A Y L F F P G E L G S Y N E L D L
D I R E G G S I V I T K H W K R T V V E R K L S K N E S G G F G G V A I D F V Y E T N L Q T S N E E W F A R F T S P D I
K N Q G I F H T D L N G Y N F D T H H F R S D M P I Q S Q V F P M P T L A S I E D S N K R M T V L S E H A Q G A A S L E

ESAI DVWLD RRLAQDDGRGLESVMDNVPTRRLRVVLEERTPEASKAKEFEIITPFCKLQ
WKELNHPLELFGTTGDDETI PSIELASVETRKAQHKKGMIGSDYVGHEHVPSPGDSPPGG
SCRISAVYMHDRVEYLKQAMDSL RSDYPKDAPVVI SHDGHVREMVDYVESLKQEFNIV
QIFHPYSCAEHPNEFPMDPKLNENFEGD TYGNPRDGI TCCKHHFSWLINTVFDMEETK
DADGFLFLEEDYIVAPT VYQTIQKGFAYIDTKNRRDDFFGI GLDPSNGYAYVVPKGV DWV
ESKFVTGPV VIRREIFSRIRAHAK EFCTWDDYNWDWSIVHLMAMEYIIPFRVLVPTTLQAA
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GWGHPADHEHC IKVFEGAR

>comp13864_c0_seq1; 592 340 2208 LEN=2361; translated
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GSLPDFLSLAHSSDQKNIFQWMETDCPKDVLPLILAFSGPQKIAVIERTNRFWRQVMQOE
STWRL LCEELYKWKDGETPKSWKYYEYNPCVPIDYSTIHRAIDDTVGKAGDDPYEPSA
VRVLLRPGRYVLREAITIDEGTTARNNDNGGNSPTSITIE TMEYI PENCRSGDNNCCSF
SIRSSSNKSKRKRKSSIRTFQ CRTVDVETEDEEEDILDHESLHEYLNPNSSVSDGRLLA
LSRTDGEDGIPMGTPTVQGGTTDNRNDSEKYN SNKPVLNRATLVLTRRHNEPLLRI RQG
HCVIRNVDLRHGSYGNDIWNGNAAIQIQPPLGPNEDPIDVPAPTAFLDRVDVTSSSSGRGV
V SIDGGYLKITNSFVHDC AATGIYIGGSGSRATLEQTDVLFNGKGNKRNRRIAPGHSGI
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VSTNNNIASDGIGRSRSGFVVQ

>comp13865_c0_seq1; 374 138 815 LEN=1025; translated
MIINSTPKRGA FIVLEGVDRCGKTTQASLLVKHLIGIGLATVAMRFPDRTTMVGD LINQ
YLQSKSELDDRAVHLLFSANRWEAAPT LRKTLDDGANIVCDRYAHSGVAFSSAKPSLEN
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>comp13866_c0_seq1; 1150 1 2442 LEN=2735; translated
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ASWEEPSQANYDAWQGGGAQQQQQYDQYNQGPNSYPDQQHQQYESNLYYLEQFELSES
LAREHSLVAQLDNLTTTALSLEQREVLHKKHQLDVLTERVVDVEARAADDRNLLVEYEANC
TALGANILSMQEDLEEWQERCKEWSQKHEDDQEKLSLRLLIKEKVSEADLAIAMEELR
ITEERRQUESTSKAKAKKGLISWVFLMGFSGGSAKTARYDEEVREDAFELAKSTLLRAL
QSERSNVHELETAVASLQQNNSAISEMVESRDNI IDELNSRIAVFEEDKVV LKAALRQLQ
KEMKEEPEKTQKLIDDLAEAEQEVERKADFHSI IETHQEELANLQNVMSQKEKSI TDAE
SNLTAIGTYVDKLEERLTSFAITRRDMEEREKICKGIEKKAEESETQRKSMETKVEELEK
QEDELKLLLEELV SERAGLQKENRKL YTEQEFRIAEQEKLT LHCETLQTEVASLREGIEE
WKNKCESLVPDLEASRK CREDLERDVEAMAGA QKELNTLQIEHAVVVEKNEKLQEE TEAA
IAEKQLLEAKLVELIKIIEEKEEA EKLAKE LAANEAKRLAKETEAKRQLPPPLPSKPKA
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>comp13867_c1_seq1; 720 376 2121 LEN=2121; translated
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KQRGGKNHLSARTRSSFEIKQRIIVPGHKQKVADYIQHIVGSRSLSKKKSCRKSASVTKQ
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EDGSNPVLLNLRDPPKWRPMETASDQVSCSNTTTIEKYQQGRTTDHQLLLPAPRPKVI V
SSDEDVRSMTSTDI AKQATSSENTIRKEKTKRRLKTQKLEQLNRYSS TLSQLIRQEKKK
QHHKQDLESKLVKEARKEARAKHRKSREHIARRRQLPPP IKRSTITVLADIDAKTDIN
LDEGKETYSACK EIPRNGCPVIMEDEQELSNKENKEKMNTS NSDSSKSTHNTHTTEVSNE
VHETERNSHSTTSKNSNTITSEKSTLKT TTTNSVVDSTMVSTNDSNISVTNNSTNNIVN
SSDKNNETSQ LQKLN DMPLLSMETIRSDRFRK KLSAVPLNY

>comp13868_c0_seq1; 698 94 1854 LEN=2664; translated
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TLRERIDAMERLMQDLETNQREK MVQVLMWEIGKNRDKDAESEFDRTISFAREVMQALKND
DEFGGSWESV GSTMAFVRRAAIGIVLCLGPMNYPLNETYATLIPALLMGNVVVMKVPTVG
GLVHSLTMEAFQKALPVGAMNFVSGRGRDTPVLMETGKIDALAF IGGSGAADTVIRQHP
HPHRLKIFLQLEAKNMGIFLPDMFEKGM SKAEELSRAVDQSLLGALS FNGQRCTSLKLF
IPKGF GASFSRKMAERIEKMNVGLPWQSWGDDPNESKPRYSDFTPLPNKSR TDLMRRLID
DAVSKGAKIVNKKGGEIIGGPHSTLMVPAVLPVTPDMDIFLEE QFGPIVPI TEYDDLDT

VLSYGREGLYGQQVSI FVSEEEKSAAKLLDRFSTVFGKININSQCARSPTL PFSGRRS
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>comp13868_c0_seq2; 288 617 1261 LEN=2071; translated
MAERIEKMNVGLPWQSWGDDPNESKPRYSDFTPLPNKSRTDLMRRLIDDAVSKGAKIVNK
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QVSI FVSEEEKSAAKLLDRFSTVFGKININSQCARSPTL PFSGRRSSAMGVMSVKDAL
REFSIPTVVAYKDSKLNNGIMQEIEASSAFLQPL
>comp13868_c0_seq3; 416 160 1179 LEN=1989; translated
MEAFQKALPVGAMNFVSGRGRDTMPVLMETGKIDALAFIGGSGAADTVIRQHPHRLKI
FLQLEAKNMGIFL PDMFEKGM SKAEELSRAVDQSL LGALSFNGQRCTSLK LFFIPKGF GA
SFSRKMAERIEKMNVGLPWQSWGDDPNESKPRYSDFTPLPNKSRTDLMRRLIDDAVSKGA
KIVNKKGGEIIGGPHSTLMVPAVLFVPTPDMDFLEEQFGPIVPI TEYDDLDTVLSYGRE
GLYGQQVSI FVSEEEKSAAKLLDRFSTVFGKININSQCARSPTL PFSGRRSSAMGVMS
VKDALREFSIPTVVAYKDSKLNNGIMQEIEASSAFLQPL
>comp13868_c0_seq4; 628 94 1936 LEN=2746; translated
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VDIRGCCTETLSDDNNEG GTSTLARPIIGKLAQMSKEQ TLSVLGDAEKAWDGGSGAWPQM
TLRERIDAMERLMQDLE TNQREK MVQVLMWEIGK NRKDAESEFDRTISFAREVMQALKND
DEFGGSWESV GSTMAFV RRAAIGIVLCLGPMNYPLNETYATLIPALLMGNVVVMKVPTVG
GLVHSLTMEAFQKALPVGAMNFVSGRGRDTMPVLMETGKIDALAFIGGSGAADTVIRQHP
HRLKIFLQLEAKNMGIFL PDMFEKGM SKAEELSRAVDQSL LGGTIQPESGFTCLFSGE
DLVLSLYLSCLALS FNQRCTSLK LFFIPKGF GASFSRKMAERIEKMNVGLPWQSWGDDP
NESKPRYSDFTPLPNKSRTDLMRRLIDDAVSKGAKIVNKKGGEIIGGPHSTLMVPAVLF
VPTPDMDFLEEQFGPIVPI TEYDDLDTVLSYGREGLYGQQVSI FVSEEEKSAAKLLDRF
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QEIEASSAFLQPL
>comp13869_c0_seq1; 681 743 3196 LEN=3597; translated
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IAMIACLVL AHLLAKRMQNSTHSLTRGVFR CRTFLRLVPLPRFMVCCGAPERVSVGELLG
IVVFLI LNLGTGVRLRRSLPRGTRKNLYLVGEGDAGKEPI PILSWPAVEVLGKTLGVIS
IINL GWYLLMPIGRKSVFLEALGFSWDRAIKYHRWVGFYTI AIMFAHGFLYFVVL IYGDG
HPIYDPHGMIEHNLLAWGCSSSEDESESEDEATGCDEDQKQLLRMNTYGI IALVLI LII
AIFSLPYFRRYHF EWFYIHHLFV LVLFFVCLHYPGAVIYLI PGVAMY MIDKLMGMLAYK
NYALAKVEMVSPDVLEVSFE IKDIDSIRYEAGQYVFNVPF ISHLQWHPYSLTSSPKVDP
GKIFFHIKESGASPD SWTRQVIAAARAANGNGLPMRIDGFYGDYSI EMLSQKKAIALVGG
GIGVTPMISLGM DLVATNPTLPVTI LWVCRTLQEF EIFATK LAKAMNKFNL SVKVIWIM
SHPESKIRRSFIQELATDEEKCEMI IDLLSQTITEENDDASLEDGESYDTATLNNFLFT
KSRPRSAPLGNATAMLVAVVFALVGYNTATKVS RNQEIQTENISTLV DIAFVTGMVSTSF
IIAWAVH VILALWNHRNKQRITPATHQTTSIQNNTDEPLSFVGGCRGMELIVTMLKGRIG
CRPDFEAE LGNLSRFHCPHVNSFEDEF EKAATRTSTSTR LGVLACGPKAMTDAINEAVQN
TGPWWTF FNAGRLR NAK EKSHDVAATFEFIEEDWEW
>comp13869_c0_seq2; 840 443 3754 LEN=7200; minus strand; translated
MASRKATTRPVVFP SGIGSILELFRGTVMKLLPL LLLLVL PNPQSSNVALVRAFSCQRTKPS
PIVPHTKNSCF SASSDDDG SNRM RHQTKRYSTTAKNTIGSTEEIDVDSTIGGKINGRLGL
PTDGVTVTISPPPTPAELNHSGKCLALS LGGRQNPILLFDGLSPETWTAARPDEGSSSAP
LPSSFSS LALQTRIPSTAI ESLCLGNFLPSSAPDN SHDSPQRRLQHPHKFLAASRLNRYW
MGPKFGGTGVGDNSGETIPVDTQFLLVEIEPNEPGTSPADSSPPFYALMMPLVDGGFRSA
LESTSDSIKDDNDNDNTSSTGDDRRKMTLVSYSESGEILPPQRTAGGENPRNALYVAVH
NEPFELLKLGFRQVSELLGKSFETLDQKQVPTGFLNSFGWCSWDAFYSKVHPTGILEGVQ
CLTDAGVPVKNVILDDGWQQVSPPYLHQQVEDEGKKTSSLAASLSLGS SDIMPDDHSD
ISSSSLIKSVTSSILKNPLEM LSNIGGSIFGMIAGSVTKCYQKYVENAPVNSFPKRLWT
FLARHSPLNYGLWKFDFSETDFGRQLDDFDPNWKFL ESTARDESEASEGNTKKNMALKEL
VATLKN DWKVNRYCWH SIHG YWRGVSSSELGESIGIDVTQVKTRPSDHLRLRIEPEMAFDP
PSLFGVGLIAKRDL SKFYKHLHEPLVAAGVDGVKVDVQSGITAAGMRGDNFDDCPPLAK
IYTQAMEESVAMRFPSTTSSEATEC INCMCHSTENLYRYAKTSVARASDDFYPARPESH
VHLVNVAYNSLFLGEICLPDWMFHSKHE SAELHAAARAIGCAVYVSDAPGKHDIPLLK
KLVLPDGSV LRAQQPGRPTRDCIFADVGRDGI SALKIWNVNRSQQTSI STKQSLNIGSGG
VIGTFNVQGVSWNFENNENEVL DASP PAVTAIVKPHDVIDLRQIVGPFVAVWSHRTQSMVI
LPTGDSTIETVLQHREWEVHTVQPIQLNEDFNVQWAPIGLGKMLNSGGAILNAGRLIESD
SCQEGNGNAFAQRKQLHADITTRGPGHFVSFCQPRPSYLLIRSGLT SKQLDFQHDEHSGL

LGFDLPTETLEGKAHHVTVIWEQ

>comp13869_c0_seq3; 840 400 3711 LEN=7157; minus strand; translated

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PTDGVTVTISPPTPAELNHSKCLALSGLGRQNPILLFDGLSPETWTAARPDEGSSSAP
LPSSFSLLALQTRIPSTAIESLCLGNFLPSSAPDNSHDSPQRRLQHPHKFLAASRLNRYW
MGPKFGGTGVGDNSGETIPVDTQFLLVEIEPNEPGTSPADSSPPFYALMMPPLVDGGFRSA
LESTSDSIKDDNDNDNTSSTGDDRRKMTLVSYSESEGEILPPQRTAGGENPRNALYVAVH
NEPFELLKLGFRQVSELLGKSFETLDQKQVPTGFLNSFGWCSWDAFYSKVHPTGILEGVQ
CLTDAGVPKVNILDDGWQQVSPPYLHQEEDEGKKTSSLAASLSLGSDDIMPDDHSD
ISSSSSLIKSVTSSILKNPLEMNSNIGGSIFGMIAGSVTKCYQKYVENAPVNSFPKRLWT
FLARHSPLNYGLWKFDFSETDFGRQLDDDFPNWKFLSTARDESEASEGNTKKNMALKEL
VATLKNWVNRVYCWHSIHGYWRGVSSSELGESIGIDVTQVKTRPSDHLRLIEPEMAFDP
PSLFGVGLIAKKRDLKSKFYKHLHEPLVAAGVDGVKVDVQSGITAAGMRGDNFDDCPPLAK
IYTQAMEESVAMRFPSTTSSEATECINCMCHSTENLYRYAKTSVARASDDFYPARPESH
VHLVNVAYNSLFLGEICLPDWMFHSKHESAEHLHAAARAIGGCAVYVSDAPGKHDIPLLK
KLVLDPDGSVLRQQPGRPTRDCIFADVGRDGISALKIWNVNRSQQTSISTKQSLNIGSGG
VIGTFNVQGVSWNFENNENEVLDA SPPAVTAIVKPHDVDILRQIVGPFVAVWSHRTQSMVI
LPTGDSTIETVLQHREWEVHTVQPIQLNEDFNQWAPIGLKMLNSGGAILNAGRLIESD
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>comp13870_c0_seq1; 550 183 2027 LEN=2500; translated

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MSWSRRSRTLLVGLSLGSPVRLIDTTHPFGPEECCTGIQLSENKDGDDDNRSNSPAPID
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PANKSTKRRYPWVEFSFPRGIGNSLQIHPRNPACAGQAVLKDGLVAFVCPKAGFEGSKSK
KHTSKTVDDVQMKESSEDEKSKHETPVVCVATLFGKDEYEVFCSTFDPOGEKIYAATKDG
KILGFVKAIFDLLCSGCDTIPPLEPTFVIQIPGNAAWQIIVSRNGHHLVVNSNDAALR
LYSTKECWERPAEVEKPLFVFQNIIVTKVKFVSYDLSGDGEYLVGGAQGNDAKYELYIWNT
TTGALMDKLTGSNAQLYSVAWHPTRSFVAVAADDGLVDVWGPRINWTAFAFDQALPRNV
EYVECEDEFDIVEDENGGSASKEEDSEENKVVDILTIEPVPVFQSDSENEEDVFTFEPAV
GRPSGGKGGSDNAN

>comp13870_c0_seq2; 500 183 2121 LEN=2594; translated

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MSWSRRSRTLLVGLSLGSPVRLIDTTHPFGPEECCTGIQLSENKDGDDDNRSNSPAPID
SKDVGKHSKQTPFKDKPGKDHYKKAARLKTRIIETQEGMPFPQSSFSENKIEETKSFE
PANKSTKRRYPWVEFSFPRGIGNSLQIHPRNPACAGQAVLKDGLVAFVCPKAGFEGSKSK
KHTSKTVDDVQMKESSEDEKSKHETPVVCVATLFGKDEYEVFCSTFDPOGEKIYAATKDG
KILGFVKAIFDLLCSGCDTIPPLEPTFVIQIPGNAAWQIIVSRNGHHLVVNSNDAALR
LYSTKECWERPAEVEKPLFVFQNIIVTKVKFVSYDLSGDGEYLVGGAQGNDAKYELYIWNT
TTGALMDKLTGSNAQLYSVAWHPTRSFVAVAADDGLVDVWGPRINWTGECSMGIQVWIPI
LVQNLSSQYCHPCISSATAFAFDQALPRNVEYVECEDEFDIVEDENGGSASKEEDSEEN
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>comp13871_c0_seq1; 236 135 770 LEN=1299; translated

MRRPASPVPRNTRPALPPSGAKALQERLHILLTRLAKTTDLIKTWPDSEGDDASTHVKT
TTKLI TAVLEVVKALQEVGVIQADAALKKSLQECKVPINLLDLLDHGNLNPDCFSRGL
VKEALGQLAGLKRRIALKMLGAEIQAGLNKQEA V GKEGND CDPSSSTGSQKRKIVGSE
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>comp13871_c0_seq2; 188 655 966 LEN=1495; translated

MKTL LDCFSRGLVKEALGQLAGLKRRIALKMLGAEIQAGLNKQEA V GKEGND CDPSS
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>comp13872_c0_seq1; 606 806 2344 LEN=3105; translated

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CPGVDGRKQRF SRLSAQKLSKNSDLAGTSSSNTSDADNVENDSSSDEEDSIEEHEHRQGF
FSSKRSHVEQMSSAKKPRILPQPEPDEFVDT SIVSNPAPSPTSVKALIFEPEETGDAST
GGKNDKTEQMQLVSEVAIKLEEVKAMKKKGISRTRKGGSGIVTPPFGSSFTMTSR
DLITYDDEYKQDTYKSDVVS DTDENSSQGGSNQRGCLNNADSDKDMLVAPVLDLNTVKHI

TSQIIQRSNPFNGEAMRACANVAFFMCTAPKEDPEQSSTKVLQLLATSKQLEAEFYFYR
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>comp13873_c1_seq1; 1750 1 2985 LEN=3030; translated
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TDQIENEDQLAGLKSDTDNEDEKKQDESKQLNEEEEDQGMEMEGDFDGMFMDLPEKPDQE
NEMEEQEGEELDTEMGEDTNQDDQVVDEKMWNSDDEDDINQDEEKFEEDGGVKGAELED
MMRTKDEDEEGDEPDDGDKNPSSQDAEENNI EADPDEGEDKQDDQRINEDTEDRYEDDHD
VNVVRGDENEEEPQEDGDDQMLDENLELDDDEDIDNGEDETGAEDTGGNDETGSVSDGPED
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SSEDPAAEEAHGIRSKDGTDAIVDDGDEVDEEEDANEENEAI GNPSGGKSDSNQADMDGN
DGGGYSQVNNNDTNSKSDSSRDI PNPFKDPGDASKFWHRKLNII DTNDSPEPNSNI
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VEEDEDSDNDNLGSRVVDLSKLMKEGEQPLAETSSRLVQDEYMSKLT SFEAEEARSHWL
SIQGETQNLRRRLCEKLRRLVMEPLVASKLRGDYRTGKRINMKRVIGYIASGYRKDKIWL
RTKPAKRNYRVLAVDDSESMNKSGAGEIALHAMATVAVGMNQLIEGELGVASFDDMKL
VHPFHMFPFTSESGVSVVRNFKFEQQRTIAMCVESAMAALDDSGDQSSMQLVFLISDGR
ERDSRAALKRLIREMMERNILLAMI IVEGKGGKKTILNMKEVTFEKGKPVVKRFMDYD
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>comp13874_c0_seq1; 320 1 1196 LEN=1417; translated
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HQVLKPSFQFWTVKCRPHSVSMGNAFTFLKTAVASLDREVSLEDAKLELEDTIQRYLQER
LEYADRAIAQHAMDKI QDGDILLTFGHTEVIDVLLRTAHEERIDFYVWVVDARPDADGKK
LLQSLREAGIPCGYIRFNALTYVMQVTKVFLGASALLVNGFIYKIGTACIALLAKSHH
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>comp13874_c1_seq2; 347 1 1376 LEN=1376; translated
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QPHPYHRGPPYQQQHRPQQXPKQPTLPQQAPAPASRAAAP TTPAAWKEKVRGKRAAREEA
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>comp13874_c1_seq3; 390 1 985 LEN=1183; translated
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SSIWEIDDCRSRGTGTANERVLDLWAGNRRLEDSINRLKNELSATNLSRAGSSRSNAGNN
SADGNANNPNHGTTTNNANANANANHESSNRSSPCLLFSMVA PVTPEPSKQSMQMLPRIPT
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>comp13875_c0_seq1; 393 1 865 LEN=865; minus strand; translated
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NGLADYLNDQEI AKRETVSTTPTITSSEPEGAITSARISVGEAGTRMAAVEEGVTTAAIAT
ASIPQSLVEEQTASKVEEVKIDRTQDEALRIDEVQKAEAEAEALRVQEAERAEAEAKAE
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>comp13875_c0_seq2; 1291 1 2449 LEN=2449; minus strand; translated
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VARREVEEATKKSTETRTANSIPRSSEINTNSVEVIKDTGPVAKSAPSVVESFGGNFVVA
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IKGREMYETGQKYVTIVNENIPI IVEKGEKVI EAGKEIAQDEEKVKVIALGTAVVGA AVS
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GAAAFVSPSKQAPFGNEVGLGSSLSKNVPPKKQGAAPFGIAPKKVPFKKEPGFGSSTTKA
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>comp13876_c0_seq1; 168 279 1328 LEN=1981; translated
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SFCPPVPPEAGTKCRFTGTSEEDRLAGCPYNHVFLGCTFATGMLCTPIDIFYCDAEDGFW
QRTSVMVPVPCPEIDPGFPRFGTCSPCPSVEPAGICPPEEPLSGTGCSGHYGANGDAPLD
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>comp13877_c0_seq1; 724 247 2148 LEN=2386; translated
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DTTAVCEKAFAAGTKRLMQHPAFHTLDPVLQQQAVLYEFELAQSAASATAAKEEAASKALL
PPTIQGTTSP IYPQEI PHELPHYAHNYFPHHFNYYPGEGLLDSHKASDIATGKTPATIT
SGDIPYPPKCRANVEFYHLHLSFFDKAAASSGDHSMIARMNNKENGTAHTLTNDHKRNMN
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>comp13878_c0_seq1; 671 153 1721 LEN=1842; translated
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TNNGGLSGVEMAKIAKLSGAAALLVNIDEKRPDDINRLDILEGEEEDAEDIDIPVVMIS
LNSANVLTATVEAHMEAKDIVNNGMPERIRLYAGGDRPFFEDVEPLNPTLYLIHNLITG
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QVTGF PATHFSDFVVDKLES GAHWKPHYDKHSDAFDSTPVATIIVFLTQPGDSESGSIVY
PGSKKDP I KILRQKGLAIVHHNMDNNSALDLSTLHAMMPVAEGETVYVARKYVFEQPISQ
SRRVALP IFAFAFGGKLP AIVDFHDMLVENFGAE EGGIYFDKACVFLPLLVL LLLIAQFL
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>comp13879_c0_seq1; 518 1 2225 LEN=2367; translated
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WFLQILPVNKT KNAIKELPAACL RYYGNLVETKNNISTDTIDKSELESSGIASNHSFVEQ
ANADMFFLRFQSI FLSHANVT FEEFSNFTNSTIFSDSQASVSTDGIHNTMISANNIAHNS
SSLSDSL LGVMDVCS DIVSELVTGLLDFTVEATNREQNSQDLTFNWIRCWNISDSGMDL
YKATTQEQ INASQTPNQKRYFAQEWKNQKELFH HYLTELNCNENTTAMVFDGLNFSKCT
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QVPEFSYKTGDSYWF SYITLLTIGLGD FYLQSEGLFFYNVIVWSVMALTGFI FTTSFLSK
FSELIVDCFPRDAESLEYHLARTDICGYGINTPISKSLET LRQLIDKERE EVVFGALIES
QYDSHCNQEHSGKSYRSSFRRGRDDQAKTPDGKTINHHR IQILIEKKNILIRLLERNQSE
MEDRMDSNI ILESSTEDKGRFGIY LK SQGARESLT TLEELRRDEEILESTLTRTKDI
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>comp13879_c0_seq2; 552 1 2338 LEN=2480; translated
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CFFL FACLLLVTFLGGYAI SRLEFPHEIENNDSIMREK WFLQILPVNKT KNAIKELPAAC
L RYYGNLVETKNNISTDTIDKSELESSGIASNHSFVEQANADMFFLRFQSI FLSHANVT
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TGLLDFTVEATNREQNSQDLTFNWIRCWNISDSGMDLYKATTQEQ INASQTPNQKRYFA
QEWKNQKELFH HYLTELNCNENTTAMVFDGLNFSKCTWKAMKQSVLDASAGKGCYANTA
SASWFWFTVMTTLGYGNSVPNTVETRILVFAFGWLSVVAFGGIMVVC SFTMTTIADDVLR
VLRNMRWLRRIYSTPAWALITAAYSVLLAYQIQNYWNVQVPEFSYKTGDSYWF SYITLLT
IGLGD FYLQSEGLFFYNVIVWSVMALTGFI FTTSFLSKFSELIVDCFPRDAESLEYHLAR

TDICGYGINTPISKSLRQLIDKEREVVFALIESQYDHCNQEHSKSYRSSFRRG
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>comp13879_c0_seq3; 248 237 1166 LEN=1308; translated
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KSYRSSFRRRDDQAKTPDGKTINHRIQILIEKKNILIRLLERNQSEMEDRMSNIILE
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SDSSSWGSE
>comp13880_c0_seq2; 416 1 1429 LEN=1496; translated
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SIGIYQGEFVKAHVRSGGITARAMRQWRKKRGMNSFKTSACATALQIWSKICKAHVRSI
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>comp13881_c0_seq1; 337 596 1966 LEN=2035; translated
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VQADRRAASFAIIDASASAGTTVASLAPIVADYMGWRFIYRLTGICLLLVALGVISSVGS
NNAPKMASLPSALLSQTSHHFKDDKNSSKSRMMLMINSVLLPVAVCAYLCHCCDNFT
KYSINSWAATMLVNRHKASPAVVSSILAGQEAQVASKLLIGTMVVSFQSNMTSSSLFVK
RGTISAFGFVLQGIALWYAFQAANPYQAGFFFIVSSIAAGTHSVGFPRPVYLEASPPHAGS
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>comp13882_c0_seq1; 343 1 1553 LEN=2102; translated
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YADVAIAGTGLTASDVLLRPMGSRILPYAPRSAMVMGSSVDQYTHETSPLCTRSLLG
MVVERARNEHNLI FSVGVELEFCLVDAKTHEFVDES VFAGTTILNEREDFVGELYDQLKR
QYVPVELVHAESGPGQLEVVLEHSDDPVGLADSLLLARETIRALARSHGHKALFLPKYDA
ARAGNGMHVHLSVSDATTGAPVFCEGDSLAQRGSSLVEGILHHLPGLLGLTMTPTANSFRR
VGPWCWTSRVRGWALEDKEAGVRVCSNLATGEWDHVELKLF DASCNPYLGLAAVLSSGLD
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>comp13882_c0_seq2; 341 1 1728 LEN=2277; translated
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MVVERARNEHNLI FVRVEVYFFWDPPAIAFFCPRSSEWQRSSRFFFGFARFVLVPLVLI
CRGFVALRSVVQSVGVELEFCLVDAKTHEFVDES VFAGTTILNEREDFVGELYDQLKRQY
VPVELVHAESGPGQLEVVLEHSDDPVGLADSLLLARETIRALARSHGHKALFLPKYDAAR
AGNGMHVHLSVSDATTGAPVFCEGDSLAQRGSSLVEGILHHLPGLLGLTMTPTANSFRRV
PGCWTGSRVRGWALEDKEAGVRVCSNLATGEWDHVELKLF DASCNPYLGLAAVLSSGLDGI
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>comp13882_c0_seq3; 344 1 1710 LEN=2259; translated
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RNEHNLI FVRVEVYFFWDPPAIAFFCPRSSEWQRSSRFFFGFARFVLVPLVLI VCRGFVA
LRSVVQSVGVELEFCLVDAKTHEFVDES VFAGTTILNEREDFVGELYDQLKRQYVPVELV
HAESGPGQLEVVLEHSDDPVGLADSLLLARETIRALARSHGHKALFLPKYDAARAGNGMH
VHLSVSDATTGAPVFCEGDSLAQRGSSLVEGILHHLPGLLGLTMTPTANSFRRVGPWCW
TGSRVRGWALEDKEAGVRVCSNLATGEWDHVELKLF DASCNPYLGLAAVLSSGLDGIARGMEL
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>comp13882_c0_seq4; 346 1 1535 LEN=2084; translated
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RNEHNLI F SVGVELEFCLVDAKTHEFVDES VFAGTTILNEREDFVGELYDQLKRQYVPVE
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MHVHLSVSDATTGAPVFCGDSLAQRGSSSLVEGILHHLPGLLGLTMTPTANSFRRVGPWCW
TGSRVGWALEDKEAGVRVCSNLATGEWDHVELKLF DASCNPYLGLAAVLSSGLDGIARGM
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>comp13883_c0_seq1; 548 308 2401 LEN=2619; translated
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TRIPTS VKNSSRRNRSRSRPRTKTKNAIHHGRGGSRSDSELDSL SAHKRALHEAKSRSP
SILRKDNEPHSILWSENDPQRIRRTSSSSSLTLVDLEGE GSIANSSSHSDNLF RKALTRP
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LSSSLADASDTVLVLMAPLELMPHSVYTFLEMANAKLFDGCSFILNAMHVIKAAPLPYDG
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>comp13884_c0_seq1; 829 1 2660 LEN=3026; translated
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VQIVDSTKLPGSVIDPHISDDGSI VVFCENEL YMASTVFDGDEI PAPVKLTHDAKNGIV
NGLADF IAMEEMSRNEGFWISPDSKFVAFEQSDESHIPNYRIMHQGQADPARQEDHRYPF
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GSILRMLHDGSTTDKRVHEL SLPAP EWFVDTSTAENENASGKESMTLHGAIYKPDPEIYG
DGPYP AVSVYGGPHAQMVTDSYGMTVDLRAQRLRAQGYVVLKVDNRGSTRRGLDFETAI
RYDMGNLEVEDQVEAVRHVWEKGVVDPKRVGIYGWSYGGYMSAMCLAKRPDIKVAVAGA
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>comp13885_c0_seq1; 621 1 2137 LEN=2281; translated
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KEV KRQATLTF CMYLMVSLTLFNFLVKSIVSEGH TDRHNMLVFLMQDTLRTDPVGF EKR
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>comp13885_c0_seq2; 651 1 2037 LEN=2181; translated
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KGN SRKPSVQDLLDFATSTEPSTKSSDLSPSKTLDLASKSPRGSFGDLIEAARKETQND
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AICDRCYVEEKILSDKPLARKRIDRQRIEQLRRLSTSAAMRQHSFSKHGGTYKWPLGSV
SATHIGHTRSVHSRHDKAQKQWTDMAKLGGRYGHPRPKKVKVRTKEFERLLISIEDAE
GHTDRHNMLVFLMQDTRLTDPVGFQKRRRNLFDPEDEDDQEEDTSNAEVLSGSEDESEN
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>comp13886_c0_seq1; 301 330 953 LEN=1553; translated
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>comp13887_c0_seq1; 492 422 1339 LEN=1509; translated
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MNTSSSADDTYDPRHRFNPRVDPTVLFLEIKKLTFFNLENFLFRIEKHESKRITFDPVFE
GTSSILVRNVLVIRVKCVKGYIPKPAGRFDIPVPVLQLSDDLVSLEEVKLEVQDTGADW
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MTIFV

>comp13887_c0_seq2; 1621 1 5082 LEN=5252; translated
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SIEDDFLNLVDDINVDEFVKEASIALEDEGLRDFIKEKATVAVERFLDYLKMSIPVEK
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SILPMIRSMETSVKVIEETSILSVIKQIILNAQRDGCWQSGKGGVHRPPSDKYAAAALG
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>comp13888_c0_seq1; 489 1 2510 LEN=3164; translated
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YTLTPLTFLAICIHYNKAILYASGSLLYLASNFPSWVELLLKRARPYGRESNIKVLTIE
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MDGLMLRSNLGASQPKVILHWICRDP SLINCRKEYMNF LTDPDFQKKNHGQNSIR
VIIHHTGKDDVIEESARPITTNLSRSNAIETSHHGGIPFELSSFSVSI GMLDCVRNFLV
FSIISWGGLVCLWRWFGMQKDAYINRIYTLVIVALYGLIVALLANFLGYLSERRSRNYA

GYTADLSEDENEYLGKSSDVELSTFRDANDSSPPNSLDDVPNEDSARTPSVNFEMFRGRP
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>comp13889_c0_seq1; 203 1 813 LEN=996; translated
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>comp13890_c0_seq1; 376 203 1282 LEN=1765; translated
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VCESEARSCCAQQ>comp13891_c1_seq1; 396 1 1113 LEN=1318; translated
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PPTESLQDLVRETVAEIEEEEANKPPPEWIPEGVRDKLSELTIVAVASDVDTIIGAD
QTIHPRTVRSINAALESPGLDWFPATGKTRWGAANSMPGELASFTRGPGVYNQGLY
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KLEALTRLRSEPEAGPQLYQSILSQGSLVEAIVGIIANEVETELIRATEIKK
VFLDVLTDDEAEAIHCDAIAAATRSPSVELAVLAVLFHTGLHALVCYRAG
HRLWTVQGRTGLAKYLQSTVSGRYSADIHPACEMGRGIYLC TASGVVIGET
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DXVEGAGGEQ MTKRHGPKQKAERLPVCDASLRGIP>comp13894_c0_seq2; 285 1 1354 LEN=1826; translated
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RATEIKKVFLLDVLTDDEAEAIHCDAIAAATRSPSVELAVLAVLFHTGLHAL
VCYRAGHRLWTVQGRTGLAKYLQSTVSGRYSADIHPACEMGRGIYLC
TASGVVIGETATVGDDVSIHGVTLGGTGKELGDRHPKVGNGVVLKDCST
VLGNIVVGTGAVVSAKAI VNKPVPLAIVGGVPARVIDHRVLEVGSFRDD
LEEHLASKYL DXVEGAGGEQ MTKRHGPKQKAERLPVCDASLRGIP>comp13894_c0_seq3; 285 1 1614 LEN=2086; translated
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FIAVPCTALATKEYPCVCPAFVPSVLALAS HFAIPLFLPIDXPTFRE
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WTVQGRGLAKYLQSTVSGRYSADIHPACEMGRGIYLC TASGVVIGETAT
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TGKELGDRHPKVGNGVVLKDCSTVLGNIIVGTGAVVSAKAIVNKVPPLAIVGGVPARVI
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LFPIDXPFTFRESRAKRHNTQYIHTTQHNTTQYNTHTHPPPKDEVETELIRATEIKKVFLD
VLTDEDAEAIHCDAAIAATRSPSVELAVLAVLFHTGLHALVCYRAGHRLWTVQGRGLAK
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DRHPKVGNGVVLKDCSTVLGNIIVGTGAVVSAKAIVNKVPPLAIVGGVPARVIDHRVLE
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>comp13894_c0_seq5; 163 475 1181 LEN=1181; minus strand; translated
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EGHPVQDADVVAHRGRFPDDWQSQGEAPIKQKPKQATNPAKTKANSSSSSKRRREMLHAN
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>comp13895_c0_seq2; 647 248 1729 LEN=1873; translated
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LPILLSATGAAGFAAFRSQLEANKSEREGRQDKGAKTRSSVIGTRAVSAPKKKAFPRRGI
SNPTTKGARPVVENGRNIKASPSKKKIFGAKKQSGSASVATVALTSKPSSADVAINPITF
GGVAVLALA AVVTL SAPPSPPTSPASRENTPVII EKA AAKEKVKFEANANDKSLVISEKQ
KSAKSTPELTKEENPLDLQNDQTPVLESETQNTATSPATSPASSIATSEKVTMASFAP
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>comp13896_c0_seq1; 410 198 1505 LEN=1563; translated
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RTSSTGIQMICISKMISESTGSTAPPEMEDQRLPQQLKEFEATESKIETTTSSSSHGFKN
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LFPQEGKSVPISSVADKVKRLVVLDIKWTRSYNVQLFSADHHKITVSRPGESGGKTYNP
LSPLKLNLPFVHLEFPQKSNFWRWHNRGDGMLSTIEAIYFAAREVSTALEYRRRHKDKNE
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>comp13897_c0_seq1; 1409 125 4075 LEN=4257; translated
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HESLFP LHS CGSPAGPAKT TILSLCETWWLSEAENREYLIAQCLPLIVLNASDERIDAF T
TKSHIQRLYLKRAFGCIDFAEPSSDSL RQLLRVASNPVCLQLPEGRKFLAGLLQQDVH
LVQDLHRAFRVQIPEAKPSILKSYGEIYHRAWKEVRENQDDEILDDDDDEEQEEMSISQ
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TNPRIRKNAVVLKVFPLHDP SNSLSMKDAVKKATEALQIALQDVP AVRVAASGATAQ
TCAMFWEVLP PREIRPLLNHIVINHSSDSTSAAVRAAALDAATLLGTTKSHGVLRALLP
SLGNLIHDKTEKVRLSAVRMLLEVKKCPGIRFYHVVPVDHLMARFVAEEKLHTSRRNAMT
KGLTELMLSSYFPHGQDMSANKLLQRTV S FLLTHPNAASVFYANLVDHIEVESLVK FVIM
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SRHNECFRTCSSFLDCAGRLDHASTKKVVS YVTSSLASISKEESRSVIPLVTSYLSFLCK
SGFIENVAEALARSIDDNGMENVTLSPDFEASLGLQRSRRRSSASRKEKDGVL PNFPSF
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KEVEYAIRASEAYGRFELHRESSVFEKNDSTSM DRQVGKLLLWTTNKIIPAFMRSDDGA
AALRDLDLSSISNRLSMSVEHIPPGSPSLMSPPKQKANCGRTP EAMRGTSSLFVATPIDS
PVIYSAKVG SALLLSSCILSSEMLAMGMTNADEI SKAAVGSQIFNQSRWPVEEQ LINA F
VRLSIQLFRASGNCSLLEDLLVKCN SHFKESGAAEMMKELQLLLRLRNGISNLLPSFFV
VSRRIIESGKVPVSFENVCSINDIWDEGGSIKIFFDAIQGNSEAVLAF AEAIVKRLIECE
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>comp13897_c0_seq2; 593 125 1582 LEN=1675; translated

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KDVKPKKSDDCLLVLKCAALAVRAFLDGRIRQKEKEDEQKRRVALKVPPHIFQIASAL
HESLFP LHS CGSPAGPAKTTILSLCETWWLSEAENREYLIAQCLPLIVLNASDERIDAF
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LVQDLHRAFRVQIPEAKPSILKSYGEIYHRAWKEVRENQDDEILDDDDDEEQEEIMSSSQ
AIEHEVLQDLMSVNVNMDSPVTFKSVLTVLAPLHEDKKNKEVASLLHRLYSPILWRSLAA
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TCAMFW

>comp13899_c0_seq1; 491 247 1305 LEN=1537; translated
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LHDKLQTEDTTFLLGAIEQTLVSQLVLIPLLYPIFYSVTFGVQSLTIEQTIQRAKDTFI
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>comp13899_c0_seq2; 491 247 1305 LEN=1560; translated
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LHDKLQTEDTTFLLGAIEQTLVSQLVLIPLLYPIFYSVTFGVQSLTIEQTIQRAKDTFI
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>comp13899_c0_seq3; 382 247 1050 LEN=1199; translated
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>comp13900_c1_seq1; 190 163 939 LEN=1254; translated
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SLRPEIYICQEHVSGPKHANTILTHELIHAIDMCRAKMDPLRNCMQLACTEIRAENLSGE
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VRTPSQAEMRQNKSSQLD

>comp13901_c0_seq1; 455 1 1338 LEN=1657; translated
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FGWDCDEKDDNDSRDNRTTTRANIVDLHQIYRKIQEEFKRSRASGAPVILIWQSLAPLI
LVHGFHKILRLLCALPTCLQVWPVNLPIPTPTQHAQLENVSNALLCMREGEMNIVRQIR
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>comp13902_c0_seq1; 665 122 1474 LEN=1646; translated
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DVAVRAQKFFWDAVGHLLKQKSKKGGVHGLRDMQRNQALYEAACFYLVATSGTESQPKIRR
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GKSAGASRPRSSPRSSSTSSRAAKPVAPGKRSRTDDAPGNAQGAATKHPRSVDERDAAGTI
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>comp13902_c0_seq2; 669 122 1486 LEN=1658; translated
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>comp13903_c0_seq1; 311 314 1132 LEN=1492; translated
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LVDGYGRPRKTD AEIQQAIAEARDLNGVNP IVAIVGSFFAFGVAAALWVATNKLGGYFAL
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>comp13904_c0_seq1; 209 191 1102 LEN=1834; translated
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PPA
>comp13905_c0_seq1; 1543 141 4535 LEN=4661; translated
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ERAQQKLLDAMVVQQRLKDKDKLSRNELLEAVRFGADKIFKSKDSSITDEDIDLIINA
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QVVEYSTAFWGEIGKERFSEHEYTRVSNLVAKGEKKLVDMKALRQSLKVFISLFDNPWEK
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GRCETLMKATLKEVELLEKKMREDMGLPGEVKEGTSLPPIKLPRFRDMQRTLRAKKIQK
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PSATTEDAVAVDESKGAIGPDGTFVEFPQYDGLIPPKEYKKAFAQFCQRTKRSVKNSLDP
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>comp13906_c0_seq1; 926 230 3097 LEN=3366; translated
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SVSLPQKNTTASFKAASRKNKTSVVSFSPVPPSKTNGDRYMKTPIKSPTGGRFTSLPTL
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GAVPKAPPTPLFSTSFSDVAGLPRGECASP KSGAANGASDNEKRGNGRGNNNIICI
SPLSSYKVGKNQIGPNSPKINYKEMFASPAERSGMAMLGASQRARSGVQKGGNLDAVHLA
ERDLMEDEDL SVLLQLASSTPRPAVADSVQSGVPTKTEGSKVFRKNGESDNLPSLQLPMI
GGSVGDGKGARLARKTHSRDHNDISDDHGVRPMSQASGGPAMD MKQKNAHDPLKLLPATG
SLHPSNRYPPMSSHFPHESSYPALHPGMTHGGSMRVVVGPPPNRGKSSGDSQRVRSY
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KATPTSTKKQPIKVVP SKQNLKRQATSAAPKSASTKKSKKSQNP SKKKNRSPQLVDKAER
QKAAATI QAVNQASGGKNDKAAALAAAILRGVTMRPSGKWQAQLYFAGKSR YIGVFDTRE
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>comp13906_c0_seq2; 926 300 3167 LEN=3436; translated
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>comp13907_c0_seq1; 987 173 2788 LEN=3000; translated
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EITRMTFFEERIMRAIGEEQVEKLGYPYKARSGGVGRSITKGHYSPLLLQQINHGIGTME
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>comp13908_c0_seq1; 658 1 1850 LEN=1909; translated
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>comp13909_c0_seq1; 183 296 625 LEN=1403; translated
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>comp13910_c0_seq1; 114 1 162 LEN=471; translated
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>comp13910_c0_seq2; 537 139 858 LEN=1167; translated
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>comp13910_c0_seq3; 537 150 869 LEN=1178; translated
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>comp13911_c0_seq1; 611 186 1532 LEN=1798; translated
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AGVEDGNKLRVRGEGDAGPNGGPAGDLYIFLRVKEDAKFRREGPEIYSEETISYIDAILG
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>comp13911_c0_seq2; 433 1 1078 LEN=1344; translated
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GGEEKVRIHLETCDTCSGSGVKPGSKISTCPNCGGNGVTVEVTRTPLGNFQTQQTCPVC
RGTGQKVEEYCGTCGGQQLNQKTKQIKVTVPAGVEDGNKLRVRGEGDAGPNGGPAGDLYI
FLRVKEDAKFRREGPEIYSEETISYIDAILGNSIKTPVVDGEVTIKVPPGTQPGQVMRLK
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>comp13912_c0_seq2; 325 388 1371 LEN=1506; translated
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LLNFGVYYAVKDAVGAPFGWSPKVAFIARFMTAFASIIAITKDLDPVEGDKAYQIDTLAT
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ESMPSIKKYYKHIWDLFYLEYGLYTLI

>comp13913_c0_seq1; 746 244 1827 LEN=2072; translated
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GKQRTKAMKKSEGNKVTQDKQTTKKNSIDTESNCNEDQDDRYSPTSVATANSLLPPLYDS
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>comp13914_c0_seq1; 549 205 1537 LEN=1660; translated
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HGFSESKQVDGNSVNRISKNSSDSTDDCKQDKSVCSGRMTRIVMGESVKAWRKQRKSAQS
RNKAVTENKDSNLSDDDPDRKPPAKYPRYAVVHKKDSSNSKISRNFVPAEIDFEKSHLN
VESGGSGGNSDSIEVTVRSRAQRGSEYTNDENSGREARYTAKKVKRQLLDHEHHMSSSTQ
ISSSTFVDCIAIWDPTRGVYVLEIPELIANEIVAVASSDDNNGDNRKTVATSSLNNDNR
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>comp13915_c0_seq1; 213 101 1146 LEN=1612; translated
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LGEFREVLDANVAGTFNVVRLAVERMLLAPEPKDGAKGDS PCSTVPRERGVVNTSSIAA
YEGQMGQVAYAASKAAVAGMTLPLARDLAPHGIRVNAIAPGLFRTPLLEGLPQRVRDELG
EAVPFPPRLGEPDEFAALVQSI VXE PDDQRRGRADRRGLPAAPPVVLPPGARPCRGLSER
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>comp13916_c0_seq1; 1331 237 3329 LEN=3450; translated
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FGRGRGAPGAKSSSKKEKKHSSGTAQQENKASSLLAKSLMSEVEDPNSMAPDAMTDREK
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DPNSDVGDKHEGNDSSVFPNLSVNHAAQVEQRRGKNMKSTSGKHTVTI GLSLSRSSS
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WVKRPF SITLAKKVRWKT VVKHMNRYF SHAERVIDAWREKGPQYLDPQLAYIEGGATPEEV
ARPHGIYLFNRNGVPTNYFAPNFHPPYTTK MTRSLLFNVLGKSWDKKRREWSSAPIPKLIT
PSLLVSAMCGCADNQTS GFMATEVT LVDGSSDRSTAVPAGAAVRSFTSMNKTPEKNMFGP
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GSNDMIPSPPEDGVASNKEQREPEQKQOMLPLENSRQTLGLQDQRQDPQNERRLSVDSDE
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TEYTTIESLKASNKGKDPMDKFRDGVVPGSPTVRSNNSKSARNGLLNVKGSEPARALS
MEYSQDESTMVGEKSVGEYTFDSTLLGQNFADSKSVLSVPAKATFVMKEQKKEVPEDTQ
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TDGESSVGEI

>comp13917_c0_seq1; 565 265 1503 LEN=1693; translated
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AQDITIDELEFAEITDAGGLGMAYSVGKFDGILGLGFTSISVGGVPTVFEEAIKQNKVDQ
PIFAFYLGDNRDGELTFGGYDSSKFEGDLEYVKLESATYWEITLDAIAAGDYKTDESTTA
IVDSGTS LITGPKAEVAKLAQSMGATANFMGEYTI DCAKVPDLPDVVWTIGGKEYTIPGP
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>comp13917_c0_seq2; 572 116 1327 LEN=1517; translated
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GCTHCGLPFISHKSKYDDSKSSTYEADGEDFEIMYGSGSVKGGFFSKDQVTLAQDITIDEL
EFAEITDAGGLGMAYSVGKFDGILGLGFTSISVGGVPTVFEEAIKQNKVDQPIFAFYLG
NRD GELTFGGYDSSKFEGDLEYVKLESATYWEITLDAIAAGDYKTDESTTAIVDSGTS LI
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>comp13918_c0_seq1; 521 3137 4767 LEN=5346; translated
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DSEIIGALSKALPRIISANADVXKSFLSKPIGDIVEEYSIPATTQSENSPSASAVEFVLT
VADGKLEPVEYQDSVQKLSLFYIENADTVDVGKDG DGGFWKILYLFRKHTLPAFDNKS
G CEDGDAKEKTKKYQFQYSLVGYVTLFHFNALFHKPEPGWILRICQALVLPFQGGHGR
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GSLREENSKMVAPELVLFFS AMTEKEAMEVSTKARITPKQIHLTNELKLQAVRNFLD
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TKG

>comp13919_c0_seq1; 711 52 3147 LEN=3258; translated
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SNNNPFPHLQRIIVSGEVFSPTLFGFRFRIQYPKVQLINLYGQTETTGDCLCAVLTDLG
EAVVDNIVAVGKPIMSGFQITFLDDEENEGDSLKSQNQKNGNKQLVIKGS HLSNGYLG
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AVMLGNEVYLLCTSQDVVHEFSRFEMHTIKGIPLNLI PKQVFFVHGI PRSSSGAKKID
R NACLNLVKCYVEPSKERLEFYNSDASLKRKPKGTVLSIISAVLGVNESELDRDKSFL
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SEGHFRILSKSKKFVAGNAV VNTSHRSVSLRACVDSAPLHVDNSIVAACQGGTIVKFN
SIDGVI EGSRY YPGWMFQADLLLLLEPSTLLVAGHSLNLRGIVLCLTQDLKEEKWKIE
FDG SVKSRPILLGD KVVILAGKKLCSVDLTTGKVLGEEFDLPRTPCVSNPITITDKGQ
TSIVFASSDWEGGII VLDVQKLESKIYVDCEIGPVHKDVSVTKNSREIFISDIYGS
LHVLNIKTMKLAASIQLSH SPLSAATI IDESTVVVGSYNGQVYCVRYDEKQSQLVKQ
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>comp13919_c0_seq2; 729 52 3123 LEN=3276; translated
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SNNNPFPHLQRIIVSGEVFSPTLFGFRFRIQYPKVQLINLYGQTETTGDCLCAVLTDLG
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NLVKCYVEPSKERLEFYNSDASLKRKPKGTVLSII SAVLGVNESELDRDKSFLELGGDSA
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VLDVQKLESKIYVDCEIGPVHKDVSVTKNSREIFISDIYGSLHVLNIKTMKLAASIQLSH
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E EY

>comp13920_c0_seq1; 507 128 2080 LEN=2144; translated
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QLMEVILDMFPNSDSHKEDCLVLP TKEAALRCQAF LRESLEQNNIGNSFSS THSATRV DN
ALIERPECESTSMGKESGSLNSKIRVVSLE DAGVHAVLFP AETSAGTEAKAYWQHTGELV
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ISSWTNVESDNVFLVPSGMATIYKSLRSARRYQLAKNPSSLGGTSIVYGFPYLDTLKMCS
RKEFSPAGVEFFGKGDENDLQLLTRILQEREESWSAVFTEVPSNPLLQCPDLEALRSLA
DEHDFCVVDDTIGNFLNIDLLQSGLADAVCTSLTKLVSGRGDAIAGSVITNP NTEKGRW
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>comp13921_c0_seq1; 557 1 1622 LEN=1839; translated
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LQAKDTFEAFYKQDLAKRLLWNRVVSMDVERHFV SLLKAECGAGYTSKMEGMFQDMDSR
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DPQNKFT EYKTKYQGRRM TQYALGHV VVRFKPRGENAGPKYELLVSLCQALVLLQFNN
DGTELRLPQLMAAVGLEDRKEMERILLSLSL GKEGTRVLH KRDRDAPDVSSSDNANPG
K K K KTRMNVHDLDTFRVQSGFKSNTRRIRINN ILMKETKEERDKTVKAVSRDRLYL VDAV
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>comp13922_c0_seq1; 429 95 1939 LEN=1970; translated
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LEEITIAEQLKNGGYSTAI V GKWHLGQRKVYLPGNRGFD FYLGIPFSDDMGAGMESSCPA
EY PFSATGDDGGYTHGEWSARS MYEKMGLMDANFFTTKNYNNHRDDDMGTKWLP LVYQKF
NQTQILQQPVDF TSLAKKYSNFATSFIEDHQDSSKPF FLYV PFSHVHTTQTGSTKERQYA
GCNFQNTTKRGTFGDALAETDWIAGNIVQKIRDLGLEENTLILFTSDNGPWMAQGLSGGS
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GIPLPDDRPF DGKDMSKILLNNDGKSEHDFLFFYGTCSG EK YWSIASVRHGKYKAHWCTA
PGLGHYNETLAKRYDPLLFDVEKDPSESEPI SFNSMPT ESEDLLAMKRILAA YAMEKST
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>comp13922_c0_seq2; 387 95 1567 LEN=1586; translated
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LEEITIAEQLKNGGYSTAI V GKWHLGQRKVYLPGNRGFD FYLGIPFSDDMGAGMESSCPA
EY PFSATGDDGGYTHGEWSARS MYEKMGLMDANFFTTKNYNNHRDDDMGTKWLP LVYQKF
NQTQILQQPVDF TSLAKKYSNFATSFIEDHQDSSKPF FLYV PFSHVHTTQTGSTKERQYA
GCNFQNTTKRGTFGDALAETDWIAGNIVQKIRDLGLEENTLILFTSDNGPWMAQGLSGGS
EGLFTGRFAEGYTNTAKGSTWEGGIREPAFAYWKGKISPFTRTSEVISSLDVFP TLSALA
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>comp13922_c0_seq3; 195 1 1023 LEN=1484; translated
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NNHRDDDMGTKWLP LVYQKF NQTQILQQPVDF TSLAKKYSNFATSFIEDHQDSSKPF FLY

VPF SHVHTTQTGSTKERQYAGCNFQNTTKRGTFGDALAETDWIAGNIVQKIRDLGLEENT
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>comp13922_c0_seq4; 244 1 1837 LEN=1868; translated
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LPDDRPFDGKMSKILLNNDGKSEHDFLFFYGTCSGEEKYWSIASVRHGKYKAHWCTAPGL
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>comp13922_c0_seq5; 334 95 1237 LEN=1698; translated
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EYPPFSATGDDGGYTHGEWSARSMYEKMGLMDANFFTTKNYNNHRDDDMGTKWLPLVYQKF
NQTQILQQPVDFDSLAKKYSNFATSFIEDHQDSSKPPFLYVPF SHVHTTQTGSTKERQYA
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>comp13922_c0_seq7; 383 95 2051 LEN=2082; translated
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EYPPFSATGDDGGYTHGEWSARSMYEKMGLMDANFFTTKNYNNHRDDDMGTKWLPLVYQKF
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>comp13922_c0_seq8; 290 1 1725 LEN=1756; translated
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SEDL LAMKRILAAAYAMEKSTFEF GNITQEPDADGEGPGHYALCCDRSSNCYCKEPEVGMN
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>comp13922_c0_seq9; 248 1 1353 LEN=1372; translated
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>comp13923_c0_seq1; 639 336 2409 LEN=2433; translated
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>comp13924_c0_seq1; 187 56 538 LEN=713; translated
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>comp13924_c1_seq1; 469 480 1355 LEN=1847; translated
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>comp13926_c0_seq1; 608 1 1372 LEN=1927; translated
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>comp13927_c0_seq1; 304 1 1655 LEN=1698; translated
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PFHDCLYRVESKLDPMVIGILWSSTRKACHFSVDCEIKRFRV LLEEDTYQEDRATNRLLS
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LLYQYRASRFL

>comp13929_c0_seq1; 314 1 770 LEN=1706; translated
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EVAASMMAGLNL TGS GGDGRAQPRTPQSGYLFDDPLGGGGFGNF GNDDED DGSNGGSSS
SDEEGDNVMDLFTGNLGDQDHFAANFEANFDDAFADVSSDGGENG PDED RNTLDNLF GDV
RGHDILLDDFEKPPGN

>comp13930_c0_seq1; 105 1 229 LEN=564; minus strand; translated
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>comp13930_c0_seq7; 105 1 229 LEN=597; minus strand; translated
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>comp13931_c0_seq1; 424 136 2378 LEN=2624; translated
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TRLEK LKTQMSFRLDEGN ICHYQIGVEDNGCHSLTDYHACAETAKLLEHLARSLNAVVL
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PILNKAKGALTRCELTIQRVETHLLDPSVSKAQNKKNQANEKSTPEEENLSVNETLSSR
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STGEAVAGRDSVRATRKRSEDEVARESYRVVTLMDLAGHEKYLKTTIHGVASGMADYALI
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TSGQSACLALALSKDMRKKLRRGMVVLKEAPTSTREFEAEICVLKGEGETTIRRSYQAFVH
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>comp13931_c0_seq2; 241 136 1140 LEN=1386; translated
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QNRPFEFVLEDIFNVPVGVSVVSGFVNAGQLTTGSNAHVYVGPTDDGSFMKTIAKSAQIA
RINTTHVTSGQSACLALALSKDMRKKLRRGMVVLKEAPTSTREFEAEICVLKGEGETTIRR
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>comp13931_c0_seq3; 405 136 2303 LEN=2711; translated
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TRLEKLTQMSFRLDEGNIGICHYQIGVEDNGCHSLTDYHACAETAKLLEHLARSLNAVVL
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PILNKAKGALTRCELTIQRVETHLLDPSVSKAQNKKNQANEKSTPEEENLSVNETLSSR
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STGEAVAGRDSVRATRKRKSEDEVARESYRVVTLMDLAGHEKYLKTTIHGVASGMADYALI
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PFDIRSEEDIATCMGKLGTLAPMISTSCVTGEGIDLLKKMLFELPKRRRHEKKQNRPFEF
LVLEDIFNVPVGVSVVSGFVNAGQLTTGSNAHVYVGPTDDGSFMKTIAKSAQIARINTTHV
TSGQSACLALALSKDMRKKLRRGMVVLKEAPTSTREFEAEICVLKGEGETTIRRSYQAFVH
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LN

>comp13931_c0_seq4; 222 136 1065 LEN=1473; translated
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QNRPFEFVLEDIFNVPVGVSVVSGFVNAGQLTTGSNAHVYVGPTDDGSFMKTIAKSAQIA
RINTTHVTSGQSACLALALSKDMRKKLRRGMVVLKEAPTSTREFEAEICVLKGEGETTIRR
SYQAFVHILNVRQSAYAKKIEIVNTNAMGLASTHTALYGEENEIVLRPGCRAKVRVFQFAR
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>comp13931_c0_seq5; 446 136 2190 LEN=2436; translated
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NKAKGALTRCELTIQRVETHLLDPSVSKAQNKKNQANEKSTPEEENLSVNETLSSRNVR
IAVVGNVDAGKSTMIGTLTSSLLDDGRGSSRTSIMKHRHEIESGRTSTASTHLMGFRSTG
EAVAGRDSVRATRKRKSEDEVARESYRVVTLMDLAGHEKYLKTTIHGVASGMADYALILVN
SRHPPPTHMTHHHLNLCVSFGIHVIIVFTKVDGCPEHAFKTSKAEVSKLLKRPDINKRPF
DIRSEEDIATCMGKLGTLAPMISTSCVTGEGIDLLKKMLFELPKRRRHEKKQNRPFEFV
DIFNVPVGVSVVSGFVNAGQLTTGSNAHVYVGPTDDGSFMKTIAKSAQIARINTTHVTS
QSACLALALSKDMRKKLRRGMVVLKEAPTSTREFEAEICVLKGEGETTIRRSYQAFVHILN
VRQSAYAKKIEIVNTNAMGLASTHTALYGEENEIVLRPGCRAKVRVFQFARRPEYVRPGMR
MLFRDGRVRGVGLVTSIPTLQPAH

>comp13931_c0_seq6; 427 136 2115 LEN=2523; translated
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NKAKGALTRCELTIQRVETHLLDPSVSKAQNKKNQANEKSTPEEENLSVNETLSSRNVR
IAVVGNVDAGKSTMIGTLTSSLLDDGRGSSRTSIMKHRHEIESGRTSTASTHLMGFRSTG
EAVAGRDSVRATRKRKSEDEVARESYRVVTLMDLAGHEKYLKTTIHGVASGMADYALILVN
SRHPPPTHMTHHHLNLCVSFGIHVIIVFTKVDGCPEHAFKTSKAEVSKLLKRPDINKRPF
DIRSEEDIATCMGKLGTLAPMISTSCVTGEGIDLLKKMLFELPKRRRHEKKQNRPFEFV
DIFNVPVGVSVVSGFVNAGQLTTGSNAHVYVGPTDDGSFMKTIAKSAQIARINTTHVTS
QSACLALALSKDMRKKLRRGMVVLKEAPTSTREFEAEICVLKGEGETTIRRSYQAFVHILN
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>comp13932_c0_seq1; 481 233 1879 LEN=2031; translated
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FGWFVTAIQSYLPDLTKCELQLAYWIKCITIWYAGMVVYLSAILGAFILLKIRSDLFL
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RLDP IRSARINMVSMMMLVIVL FVSVLSGSGVQTKRAYAIVALIGFCGGWKYSMDKLLGAAL
IPEGQDTEMMGVFLFAGQCLSWLPLLVTLLSEAGISPRINVAILIVYLVL SFAALCLVG
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DNSMELEA

>comp13932_c0_seq2; 462 233 2007 LEN=2159; translated
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NRIGMATSFTINALCMSIAWWGLFQTREPLHEKPPDANLWTSQFTQLYQTSTHIARNYRG
LKWFFIHLCFSDAXLADICALHVYVIIVYAVTFVSLGSKVWYLSDLLVSFHANFVSLPNL
PLLHTVTYFTDFMKNLALQTSITIIITLAGSVPGAVVAKIFATRLDP IRSARINMVSMMML
VIVL FVSVLSGSGVQTKRAYAIVALIGFCGGWKYSMDKLLGAALIPEGQDTEMMGVFLFAG
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>comp13933_c0_seq1; 641 338 2119 LEN=2578; translated
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GVSPNVDSYGEVPGSNMRLGWIATKDVNKGDI LMNMPYDEQWEITPKTARKTVFSGILDD
AYEGWTGETGLVALQLLNEVARSASTGGVQKPVVGGPP IQAFLNEWINALPTPTELETQHP
IFWSEEDQEILQSSNTKIYRILDDIEEDANWLVTNIFEKDRATFPETVEIQSGETVPCF
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YPVSEKNEFAVVEAIAQLCETAMEDMKSCPEPEQEGPNSEVCAKLRASETRALRRTLEYM
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>comp13934_c0_seq1; 1255 164 4864 LEN=5083; translated
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ENQTT SAGVINDAEIWNMKGKKEADLDDEVVHDGRRKKNNGKIPRRRKRVAISDVNFVE
DGLGSSEDDGGVCDYDGVDRKKNRNLKSYGNTKVRREYSGSSNKGHESQNDSSDDLDT
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KKVKLQKQRDLALRRGEVVDENIKDWKATSLSLSPWNPVMIIVPPTIMDTWKIAFATFSH
FSVSFFSREKKT DVIDSMLYGNADILVVPKSAFQRELHFDELNKIRWKL VVIDEFHNFKN
HKAKISIHRLKELHQPILIGMTGTPMQNNHKLWNLVDLVE TNFFGTQEEFNINFRP
ITLGRQKCANPRVKARSEAASAELRNQLSKIYIKREKNVVLKGELPEKNEQMILCDLSPL
QKEVYKACVELPDFDLVKHGSRPCDCGINKMFFRDLFKLCKAERLEFMRTNKRQVNVQA
KCCWKL PVPNKYGEEGEPYINPDAVIWRSMADHCTDYTAAREGCKNCPWCCTLPCLTKLN
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MDDHFLSGKLVLDRL LQKYAAEEGKVL LFSHSTQSLGLIQNWLSRGLY EYRRMDGST
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RIGQTRDVRVRLISRGTV EEMIYLRQIYKIHLKQD TLQDHDIDAVAPRVFRGVQGDY
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VRAVNHGDLFRSDKGGAAIASGEDGFEEEMGGQTQAAYE IYENVIGDFIHEDHVAGAENG
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KSRHSVKCDCRAALASIDVAKSDGP IVQYDDRRMPTNQQQFNNEGRLIIDASFIPQKIHN
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IQNLSI

>comp13935_c0_seq1; 847 239 5070 LEN=5393; translated
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AAVGSFGNKSTIHNEYLPAAQSKASNRTAIHGPNQDPNQSTYHAGTPVPAEERSISSN
KKNTIQNEYHREAAQPKATNQNSYKDPSSQIPKEPPQHAQGDARSTDADVVGADHNNSHD
EKQHGNSENVVACNNTDAKQQPQNDPPRHNRKVSWSGGKTIVIPQNYDDNFANSIPALLSE
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>comp13935_c0_seq2; 877 239 4938 LEN=5261; translated
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>comp13935_c0_seq3; 902 239 4837 LEN=5160; translated
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FLLGQS QKRRIERLLGTWEEPERERILTESV SIGAILQFRQSLSKLDSKY PFSYSFGKAN
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>comp13935_c0_seq5; 332 110 2182 LEN=2505; translated
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>comp13935_c0_seq6; 337 110 2151 LEN=2474; translated
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KSLIKLFRPDRDXATESDRLCEICGAYQPFHVI ALAFASF TDSSSNRPSEKSFVCFQDN
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>comp13935_c0_seq9; 872 239 4969 LEN=5292; translated
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>comp13936_c0_seq1; 614 593 2182 LEN=2394; translated
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>comp13936_c0_seq2; 197 1 648 LEN=648; translated
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>comp13937_c0_seq1; 385 280 1914 LEN=2104; translated
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>comp13937_c0_seq2; 460 280 1797 LEN=1987; translated
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>comp13938_c0_seq3; 285 1 738 LEN=1363; translated
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>comp13938_c1_seq1; 159 1 523 LEN=554; translated
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>comp13939_c0_seq1; 419 169 1488 LEN=2179; translated
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>comp13939_c0_seq2; 357 169 1215 LEN=1247; translated
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>comp13940_c0_seq1; 523 82 2133 LEN=2322; translated
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>comp13942_c0_seq1; 390 118 1188 LEN=1398; translated
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>comp13942_c0_seq2; 133 1 527 LEN=737; translated
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>comp13944_c0_seq1; 901 1 3542 LEN=3542; translated
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>comp13944_c0_seq2; 827 474 3865 LEN=3865; translated
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>comp13946_c0_seq1; 499 444 1799 LEN=1894; translated
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>comp13946_c0_seq2; 466 611 1942 LEN=2037; translated
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>comp13947_c0_seq1; 1104 777 3107 LEN=3136; translated
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>comp13954_c0_seq1; 377 55 867 LEN=1468; translated
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>comp13960_c0_seq1; 230 357 1506 LEN=1506; translated
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>comp13961_c0_seq2; 1062 109 2772 LEN=3175; translated
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KRHSDLRGIKKTTRSTGDSGNGKTTKVVVVTLHVVP SNWTKLMRLDSDAVEAANATSAER
RGTGMLTLPVVRKILDNYLERELLRMKSSMKRVALDGPLTVALYKGGSSNETTTPAELS
PKDLYTKFAARMSPAFCLVEMPGSNVLKLAHGKPPVQIEVVRQSRKFVTRRLRGLLEYY
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>comp13962_c0_seq1; 466 137 2378 LEN=2560; translated
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FLGGENLGLAENDQPLQPMLOQDFDLSLNPDKDVHTASHVWPMDSHNTTLLDHHVPPDWL
PKANGKDGSSSTYDMVICIGAGVGLVTAASAAGVGAKVAMIEENLLGGDCLNVGCVPSKGR
NTVCRTYLLTVGNTNIPLIDGVDXGMIDTCVXSLELSFLSLANIFDLINAKKAI IHSANM
AHSVKGDIKRLLEEAGVFVDPNAVRIDFEKVMERVRKVRAEISHHDSAERFTSLGVEVYIG
RAVFTSERSVIVNGRTLNFKKAVIATGGYPTLIPMNGLQELYKKSFTTDPKEPKPIVMTN
ETFFNMTKQPKRLGVIAGVIGMELAQAMQRLGSQVTVFGRSGKVLPEKEDDMAEVVKQQ
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NVTGMDLELAKVEYDTKKGLIVNDKLQTTNPRYIGVGDCCSQFKFTHAADFMARTVIRNA
LFFGKGKMSDLLIPYATFTSPEIASVGLYQDLDELGIQYRVFEKHFKNDRACDDNRE
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>comp13962_c0_seq2; 635 137 2215 LEN=2397; translated
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IHSANMAHSVKGDIKRLLEEAGVFVDPNAVRIDFEKVMERVRKVRAEISHHDSAERFTSLG
VEVYIGRAVFTSERSVIVNGRTLNFKKAVIATGGYPTLIPMNGLQELYKKSFTTDPKEPK
PIVMTNETFFNMTKQPKRLGVIAGVIGMELAQAMQRLGSQVTVFGRSGKVLPEKEDDMA
EVVKQQMIKDGVSFSLVAEYKGIENLGNVNLKNGYPEMKMTVVEKGMKEKETTIEFDALLV
AAGRRPNVTGMDLELAKVEYDTKKGLIVNDKLQTTNPRYIGVGDCCSQFKFTHAADFMAR
TVIRNALFFGKGKMSDLLIPYATFTSPEIASVGLYQDLDELGIQYRVFEKHFKNDRACDDNRE
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>comp13963_c1_seq1; 511 294 1829 LEN=2014; translated
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ESGSSNSGSSTMPADYEDDET IWPHRKLPPPTSILRQPKYCRSSRKKKFARRSSSSAKP
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>comp13964_c0_seq1; 214 1 908 LEN=2672; minus strand; translated
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SHAETVLVIDTTKDAEEDIISELTIHRAEYDSDDRKKYKWLGGCVGADGNIYCPACDTSS
ILKITVATDHCETLGFAGKDKNKWQGGILGRDDCIYCPADGLNICRIATNVDIENGKNP
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LM

>comp13965_c0_seq1; 415 109 2035 LEN=2162; translated
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SILIGRELNGDPRPLAIFAAGISPGSDPVVRMRKQIRSFPIAREAFGDAGAIILGVVLY
FELFSCLSIFIVSIGDHMNELFPTVPVTTTMLGFTVFSALPVKVS HVKVDVVGKTVKYFLL
IPDHIIXPAIYLTQVFRTAGLLSYLSLVGTIATIFVVLTVVLSFIQEGDITEQLALSFD

ESVQSAETYHSSWNTSGLAVAFGLVAFCSGHAIIVPSIYASMEHPHQFERVVVDSFMIVV
AACMAIGLSGYTMFGDFVLDQITLSLTQNSSAVLLMKILTWMILTAFSKLTLTMFPLAM
GFEEIIAPYISSDSSMLVVGALIKVVLLFGALAVAIYVPSFSALCSMVMVCTMGVSVIF
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>comp13965_c0_seq2; 548 109 1941 LEN=2068; translated
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FELFSCLSI FIVSIGDHMNELFPTVPVTTTMLGFTVFSALPVIVFRTAGLLSYLSLVGTI
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HAIIVPSIYASMEHPHQFERVVVDSFMIVVAACMAIGLSGYTMFGDFVLDQITLSLTQNSS
AVLLMKILTWMILTAFSKLTLTMFPLAMGFEEIIAPYISSDSSMLVVGALIKVVLLFGA
LAVAIYVPSFSALCSMVMVCTMGVSVIFPAGAYLKLFWPKLSMMERYLYSFFVMIGIVM
AVVGTAIEMS
>comp13966_c0_seq1; 239 199 852 LEN=1244; translated
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>comp13966_c0_seq2; 239 199 852 LEN=1074; translated
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SSSLGNNHEANSMVNDGGSGLDHSQHVKTKNEKQQPVTIISDRRNALLRVGRIALMTTAA
SAATPSPALALKKKNEALCGTGFFEHIYEYKCTEIGDIQDEGTSKAMSEAETGMTNSLMG
KLGFDTVEIIDNYDENKADKKTSGKDSMARLRDGNNS
>comp13966_c0_seq3; 239 199 852 LEN=1132; translated
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SSSLGNNHEANSMVNDGGSGLDHSQHVKTKNEKQQPVTIISDRRNALLRVGRIALMTTAA
SAATPSPALALKKKNEALCGTGFFEHIYEYKCTEIGDIQDEGTSKAMSEAETGMTNSLMG
KLGFDTVEIIDNYDENKADKKTSGKDSMARLRDGNNS
>comp13967_c0_seq1; 574 318 2047 LEN=2047; translated
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DGDGANNKTENNECNSNVDDVDVDRERNTFVSPKGEMIGSNLAHSSSNSTSNAAISHP
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IRKVGGRFLKPYHKHNGDDGNFLWIEIGDEQAVETTARAIHRDKHRCLRREEKKRKKKRH
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>comp13968_c0_seq1; 685 69 1586 LEN=1828; translated
MQSYSPELPGGNIDVDMILKMPVDNRATKIFCTLGPACWEVDQLVTLINAGLNVARFNF
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DYSFKGDNTKLACSYSELATSVVGVQSILVADGSLVVKSCDAEKGEVACEIMNNASIG
ERKNMNLPGVVNLPTLTKEDISDIQEWGIPNGIDYIAASFVRKASDVTKIREILGPENQ
GIKICKIENQEGLENYDEILEVTDGIMVARGDLGMEIPPEKVFLAQKMMIRKANIVGKP
VVTATQMLESMIGNRPRTRAECSDVANAVLDGTDVAVMLSGETANGDYPEAAVSI MAETCV
EAEAAINNTLYAAIRNSTLEKFGKLTSESIASSAVKTAIDIDAKAIIVCSESGATAQQ
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GDAVVIVHGKTKIVGSTNTMRIYA
>comp13969_c0_seq3; 132 1 287 LEN=287; translated
XSVADFSYEESVVKDLQCYDGTVDVGVFVYLDSDLTLEECCECKAPEADEEGVIAYYFEV
PCTPICEISEDCVEVYGVAEKDIIDQIGSDATLPEDX
>comp13969_c0_seq4; 234 1 478 LEN=478; translated
XSVADFSYEESVVKDLQCYDGTVDVGVFVYLDSDLTLEECCECKAPEADEEGVIAYYFEL
PCGSICEAHTAPYSAAPTGVPTVGYESMSPTDCLNVHGISEDDIIDQIGSDAPLPEDAI
KIVHGESSISIELSQLWTDNSTANIFIHYHSGTHESVCE
>comp13969_c0_seq5; 212 1 411 LEN=411; translated

XSVADFSYEEESVVKDLQCYDGTVDVGVFVYLDSDLTLEECCECKAPEADEEGVIAYYFEV
PCTPICEISEDCVEVYVGAEKDIIDQIGSDAPLPEDAIVHGEDESSISIEISQLWTDNS
TANIFIHYHSGTHESVCX

>comp13970_c0_seq1; 342 452 1553 LEN=1992; translated
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ISVEGTERECPFPASANSQCQIADVKIHLFGEEINEGFLPLLISIIITTSRFSHESLLSTG
VVDVRIQDNGIITEVNEELNHLPHSTIFDGGSHSSDELTLNSVVDARIHDNMAANTKELM
NPPQPGSVSIEFSSGKILAIVMILTTLIVTALIAIGMSVLQGDVVAIPADTRGFRLKAMEF
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HTQDIE

>comp13970_c0_seq2; 410 67 1396 LEN=1835; translated
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SAACPGLPFLTITTTTLEVALEHFVEQFHTNVAQALRQALSQHYSICIPQTNAENRVDHDD
AIKLAYDKNYEVQLGVISVEGTERECPFPASANSQCQIADVKIHLFGEEINEGFLPLLIS
IIITTSRFSHESLLSTGVVDVRIQDNGIITEVNEELNHLPHSTIFDGGSHSSDELTLNSV
DARIHDNMAANTKELMNPPQPGSVSIEFSSGKILAIVMILTTLIVTALIAIGMSVLQGDV
AIPADTRGFRLKAMEFLPSLNIPASITISTKEATKTIIIVARMVLLIHPMPTVCQKKIVE
LLCDAVRSQKTIVIVRHTQDIE

>comp13971_c0_seq1; 205 83 688 LEN=1078; translated
MAEQTTKPARRASVAEKVSGNILGRSKGFKLVDKIFRACD'TTKSGDISKSELYVGTLSV
HITLARYAGPAACFPPTREVSDELFEAADSCKSGTINKEEFKILLILGAQIVSRMVVYY
TVLILFVWFQAQKTTDHFDSIPKGGFVESVAHQVISIAIFVLAIPSIWDAIDSTTKGTIH
WVNSENKTDSDNPKQEADKDD

>comp13973_c0_seq1; 573 1 1508 LEN=1508; translated
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LDFSASYKGRALPDDDPSEYLYYFQLRQTGSAQTNASAGNAGDNNGGFQGSIQGGGSQ
QTQPPGTSSSSPTDSGTSATHSPTDTSATTREKRCYLAPERFYTPGTNASKKGDGTESPG
AVPIGNATTQKLTAMPDIFSAGCVIMETFLNGERAFDLGDLMEYRQRKTYTPTLQQKLN
KIEFSALRAACKNMLSLDPSQRLSAGEYLKRLEASGLLPTSFETLARLMREVTATTRSQT
NPELDAEAAVTPDARLAKAAACYSEILHETMGVSDREGQEYFDRVLGRTAVAMRNKTK
ESPETD'TTANESGPNEAPGQINASSVAMTEEKKESEHDALFAETEALLEKLGALAIDEDE
VLSMASEDAARKHQSGTTAGKEGEGKHPNRSKINRSQLSSESLLIYLQLVLSTIRHVQR
ASKLVALQLMKRIGGYSTDEARLX

>comp13973_c1_seq1; 722 106 3054 LEN=3401; translated
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FGLDGVMAFILPQILSFLNDRKDWQLRAALFDHLPVCHFIGRAATEHFVLP ILETALVD
SEEVVIGRALLCLSELLVMGLLSRGVFLGRPAAHGTEASPGLLQKYGTL'LLHPSSYIRFN
IIVTINALCKLVGSLDAEVFVLP LIRPYLRFQ'PSTEHL'LTPIGLERCLSVAWTRARFENE
LNRLIAAMESSPMAGQWTTIALQINDGVAEDT'PREKTAVKTADKAGKGT'PAQQEELSDDD
ALRSSAYMQMLARSRNAAKMGSDSDNPTQDMKNAIEGSLKLAQQLHFPRQDILGSPPAT
LPQWYGILLECRHHRSDVRETAAIRSVSALGQVYGLS'IMDQAAAASLKYDGMTGDRAVE
LLNSDRSKSIEAACRGEWGS'ETCLDPVLTDTSL'LLTKLNALDVP'PLPRLGEERPPVQKL
VQPPRHYAREAGDPRDSQAWKPKIDNVVATSRKAAGFGHTAPV'ISLAVSNDQRFFISGSH
DGT'CRIWESEKAEASNGVLESSTYTLGDHDCGRG'PSRVNDLIILEGSHSAASAGSDGSI
RVWRVLDLVSSSTNLIDAKRDARRVAGSTDIKQIHPLEGEV'LT'VNQFNSQGSLLTYATQ
KGHIHSWDLR'SAKEPFCLKNFQDTGYITNMAVGS'DRNWV'VGTNRGYISLWDLRFQQVMK
LWHHSRSAPINRLATS'YVPPPPQSWVSKRSVNVDSKPYIFV'ASGPNECAMFDATTGHCSEC
FR'TIEYKSRSPSLRIDDIP'LT'DVPLSTSVRRK'FVQAQGLGLGRLSNAIKTSFESVNCMV
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>comp13973_c1_seq2; 664 106 3190 LEN=3537; translated
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FGLDGVMAFILPQILSFLNDRKDWQLRAALFDHLPVCHFIGRAATEHFVLP ILETALVD
SEEVVIGRALLCLSELLVMGLLSRGVFLGRPAAHGTEASPGKFLTRACFDPCVRSFRGTG
IVPLVWLPYRCSGFEL'LLTCVSSTSL'LLQKYGTL'LLHPSSYIRFNIIVTINALCKLVGSL

DAEVFVLPLIRPYLRFQ PSTEHL LTP IGLERCLSVAWTRARFENELNRLIAAMESSPMAG
QWTTIALQINDGVAEDTPREKTAVKTADKAGKGT PAQQEELSDDDALRSSAYMQMLARSR
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RDSVRETAAIRSVSALGQVYGLS IMDQAAAASLKYDGMTGDRAVELLNSDRSKSIEAACR
GEWGSETCLDPVLTDTSLLLTKLNALDVPPLPRLGEERPPVQKLVQPPRHYAREAGDPR
DSQAWKPKIDNVVATSRAAGFGHTAPV ISLAVSNDQRFFISGSHDGT CRIWESEKAEAS
NGVLESSTYTLGDHDCGRGPSRVNDLIILEGSHSAASAGSDGSIRVVRVDLVSSSSTNL
IDAKRDARRVAGSTDIKQIHPLGEVLT VTNQFNSQGSLLTYATQKGHIHSDWDLRSAKEP
FCLKNFQDTGYITNMAVGS DRNWWVVG TNRGYISLWDLRFQQVMKLWHHSRSAPINRLAT
SYVPPPQSWVSKRSVNVD SKPYIFVASGPNECAMFDATTGHCSECFRTIEYKSRSPSLRI
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NDRRIRFW

>comp13974_c0_seq1; 217 367 1086 LEN=1283; translated
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SGQTATLKLMSPIF SVIKKASDDGIERFGEVLRAIKHPKKS LQEISGQIFQVIVCSEHEF
ASFFEYEDEIVPTSTAAPLVPQILHKNEW RNPARGNGEHEGCVS FISM LGYPLVAVADE
SITDARNRASSLMREAIQCNP TLQNR IKKYRSIVERNLTLAGKRQ NEMTVARANGFHNE

>comp13974_c0_seq3; 1437 93 5582 LEN=5838; translated
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REQEIERQRDPQ QFDDTEFISATGSFP SGTHGSHRLLHSHQSSRRDRPNERDENEQRQKQ
QQRQRQIVMTNKDEAVRSRPTENESE TMNDVATNLDNLYGQFSDATNKALDTRKQKDRST
STREDENQTKTGIQDDSN DLSSSFFKFDEQKLFQVPIFAPGIKESAFQKIYAAMEEPMKL
LEDRGYDAYKEFIEDCDNSVEKND SGGKRRTYRGRIFRNRKSARTNHVQIAKQKEESIRK
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KDETNQNAIQGEE SPSKETNDSIENG TATVAHENKSESPKNGEVTHSKKEKQQTFLVPS
VALAIQQSLTLRANLPQLCIETACYATASSKRARASLERCEVIVATHGAIQDLFMHYGDS
FSMDRLNLLVIDECHYAASGNHAYRHLMEKFYRPIQADRRPRVLG LGLTASPLLNKVENHSD
GQLTAMLD SLESVLD SKMLSAAGLIAPHRKKQKEGSETTSLTPI LHSTNNILHRVIDERS
MDYYGTNQNRTIPSTDNLDLLPSRHREFKQLEHL YRDLGPLVVSIIYSSVLKRELSRNIFE
NESTRRFDLAVGHLQRIEDFCNREIKVLPNMGRNDKLLALEELVETLIEEKGTKTIGLVF
VERRATAIALQCYFVWRNEQIHDWSTORGAKTWVFAKEARRNRCKSDDYFEMNSCRKRAD
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MKGRARKQDAKFYVFGDPYK KIRSTLELRVAQRMECRIEKVI EKRMGLYAPT MQALSSH
KNSDCAALLHKEFAAIQAGVYKVEDATVDLQSAKSLVYRYFLSVPLDPFVRYK KESLLQY
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LTRKDMQQRVLR IATQDLQKDTVPLDL DGVYNNEKRQLVIYPVNEESSLLSNYRRKLN
KGHSLGLITMEPIREMLPFRTYHKEFGKVSISFGEP ILEYCSSSEFEILQETFALLMNSR
WSRKS RNVS YETRSQDEYEATILPYLVGISSNGNLDWDFMTLLDESKRSIENRTLAAR
SFSSTLMSQPRIWSPTYSNGITYVVF GPTGKLCGAPVPYKMDGVKTYCDYFQKKYSIDF
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CLFLPQVLFNFEQE QKTEAFIKHCEVC IPTLGACFKQLEFSMVKLVMTSKSCNASENYDI
YEWVGDAVLKLLQTD SILSSPKLKH FVKFLHEGDL SMLRSGMGTNNRLKQICTHLRLDEF
IMMTPLSRGVWVPSPLQIYQT TNKRIAEPLGGRMKLLADVVEAILGIVYIEFGYHRSIKV
GNELHVTLPWDENDRSVACGEIGD VDNLLVDVIKKCTGHAKVDRPKVVSEAFTHPSAI
DASVPSYQRLEWIGDAVLC LCTREWLFRNFGDRLEVGDLVMLEGAIVSNETLGFISMKCG
LQQYLNHRDLSL PKRIESYCWKLKDGCGFW

>comp13974_c0_seq4; 1550 93 6200 LEN=6397; translated
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REQEIERQRDPQ QFDDTEFISATGSFP SGTHGSHRLLHSHQSSRRDRPNERDENEQRQKQ
QQRQRQIVMTNKDEAVRSRPTENESE TMNDVATNLDNLYGQFSDATNKALDTRKQKDRST
STREDENQTKTGIQDDSN DLSSSFFKFDEQKLFQVPIFAPGIKESAFQKIYAAMEEPMKL
LEDRGYDAYKEFIEDCDNSVEKND SGGKRRTYRGRIFRNRKSARTNHVQIAKQKEESIRK
SMEDALVNGDPREYQRLIFEVAKRNTIVYLTGAGKTLIALLLIREYWSGSLSSSSSRG
KDETNQNAIQGEE SPSKETNDSIENG TATVAHENKSESPKNGEVTHSKKEKQQTFLVPS
VALAIQQSLTLRANLPQLCIETACYATASSKRARASLERCEVIVATHGAIQDLFMHYGDS
FSMDRLNLLVIDECHYAASGNHAYRHLMEKFYRPIQADRRPRVLG LGLTASPLLNKVENHSD

GQLTAMLDSLESVLDKMLSAAGLIAPHRKKQKEGSETTSLTPILHSTNNILHRVIDERS
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NESTRRFDLAVGHLQRIEDFCNREIKVLPNMGRNDKLLALEELVETLIEEKGTKTIGLVF
VERRATAIALQCYFVWRNEQIHDWSTQRGAKTWVFAKEARRNRCKSDDYFEMNSCRKRAD
QVVKDDDCDDNQFDDSSDDPFHQFQKRKEARKKTKIVDMCKGELEDSATDHFNATNQFM
DADSCSSDAWKDSPKQSLKNDFFETHGRVALKPVALVRNPIHIFNSLSIHQKKLKEAELA
DLNKIWWHRESNVRDVL SRLRSGHVNIMFATSVVEEGVDVQSCSLVVAFDGISSIKGYIQ
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VGAI PVANLP TTNKRIA EPLGGRMKLLADVVEAILGIVYIEFGYHRSIKVGNELHVTLPW
DENDRSVACGEIGD VDNLLVDVIK KCTGHAKVDRPKVVSEAFTHPSAIDASVPSYQRL
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>comp13975_c0_seq1; 252 71 721 LEN=721; translated
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>comp13975_c0_seq2; 158 1 480 LEN=622; translated
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>comp13976_c0_seq1; 367 183 1640 LEN=2047; minus strand; translated
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>comp13977_c0_seq3; 209 211 1112 LEN=1264; translated
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REQRRKRNRESAALSQRQRDRIGDLEVEVGQWKNKVESIMERIKKLEEASGIDSRTLVP
EPIEAQGLEQSLEFDVTDNNDKSFVSPPPSPVHPPLHEEPIVSPVASSSAKTVVDAVVDQ
VLMGIESYEQEFSDNMISRHAVKITTVAPALPFLPKSEDSVTAIPTPEACLSDGDDVVSPT
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>comp13981_c1_seq2; 523 249 977 LEN=1287; translated
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>comp13981_c1_seq3; 439 636 1499 LEN=1809; translated
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>comp13982_c0_seq2; 470 214 1903 LEN=2937; translated
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VFLVASTNTVHSEHRSLRVVLQWLPMASSAAGSVPWNCEKSXAAEDWNLHLLHLLIMESLG
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>comp13982_c0_seq3; 470 214 1903 LEN=2944; translated
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MLPAPTVAVSYYKFEDLYLFDFFMTSRAPGSRRPPCDTLLDVFENIATDEGEHVKTMQAC
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>comp13982_c0_seq4; 470 214 1613 LEN=2654; translated
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LRKVHAAEDWNEHLHLLIMESLGGNARWSDRFLGYHVAFAYYWFLIVVYLGSPRIAYQFM
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>comp13982_c0_seq5; 145 87 713 LEN=1747; translated
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>comp13982_c0_seq6; 470 214 1613 LEN=2647; translated
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>comp13984_c0_seq2; 1035 1 2951 LEN=3605; translated
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>comp13984_c0_seq3; 721 1 2033 LEN=2687; translated

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>comp13984_c0_seq4; 1035 1 2951 LEN=3578; translated
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>comp13984_c0_seq6; 793 1 2204 LEN=2831; translated
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>comp13990_c0_seq3; 335 81 1070 LEN=1100; translated
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>comp13992_c0_seq2; 465 486 1968 LEN=2076; translated
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>comp13993_c0_seq1; 326 190 1230 LEN=1350; translated
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>comp13994_c0_seq17; 547 461 2839 LEN=2925; translated
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>comp13994_c0_seq19; 339 1017 2964 LEN=3050; translated
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>comp13994_c0_seq20; 117 778 1445 LEN=1445; translated
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>comp13994_c0_seq21; 479 1 2681 LEN=2767; translated
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>comp13994_c0_seq23; 429 461 2876 LEN=2876; translated
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>comp13994_c0_seq25; 394 884 2856 LEN=2942; translated
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VRQAAERERLLRQLEDENENDSAAKPGARASDGDRRDGKTTRGRGHTPTRASKFPLPLPN
TDGYDGLSPFEVLEKFEKSVLGSIFGGDNDGTEAMDAEGATQ

>comp13997_c0_seq2; 577 576 1787 LEN=2748; minus strand; translated
MPSEKEKFPEQDPYDLLGVSFDAENAEISKAYRKLALKLHPDKQPQGNPALAEVAKK
DIKEARTFLLEDFAQARRKYDAKRESDRLRKQTEALREKNMSERRKRLREELREKEAAA
ARRSRGKKEEQRRKKDEDIVNQLRKEGKRKRQEAERDVQRKEDEEMEKMVRENARAKK
QQRDLLEDQRVRLKWRDKMRPSPSEDSLATLLSDQFGLVEGIELLGRKGNQALATFADR
ASCKPCVEFYATSPVMRAKYVGRRRDEEEDRAERERLAEQQREGGNLDKGPRNESLEDRR
VRQAAERERLLRQLEDENENDSAAKPGARASDGDRRDGKTTRGRGHTPTRASKFPLPLPN
TDGYDGLSPFEVLEKFEKSVLGSIFGGDNDGTEAMDAEGATQ

>comp13997_c0_seq3; 445 576 1787 LEN=2129; minus strand; translated
MPSEKEKFPEQDPYDLLGVSFDAENAEISKAYRKLALKLHPDKQPQGNPALAEVAKK
DIKEARTFLLEDFAQARRKYDAKRESDRLRKQTEALREKNMSERRKRLREELREKEAAA
ARRSRGKKEEQRRKKDEDIVNQLRKEGKRKRQEAERDVQRKEDEEMEKMVRENARAKK
QQRDLLEDQRVRLKWRDKMRPSPSEDSLATLLSDQFGLVEGIELLGRKGNQALATFADR
ASCKPCVEFYATSPVMRAKYVGRRRDEEEDRAERERLAEQQREGGNLDKGPRNESLEDRR
VRQAAERERLLRQLEDENENDSAAKPGARASDGDRRDGKTTRGRGHTPTRASKFPLPLPN
TDGYDGLSPFEVLEKFEKSVLGSIFGGDNDGTEAMDAEGATQ

>comp13998_c0_seq1; 232 192 749 LEN=1190; translated
MDSRMPYLLDNEGDFDSQISRLIEAQRHRNNRHNSHSTRTSCGRSSASNNNIMNRS
AWFPTSLLECPGEQAPEEEEEYLSSPNRAQVIETACRILKNARVNNNFTEFHAGVDS
NIETGDA SDLAPDFISHWTGRARSVYVPPVAIQCESSPFLVPVDHRNGKEAMGLT
CVVSSSDSNESTGRESVW

>comp13999_c0_seq1; 403 81 1412 LEN=1514; translated
MNFQAASRLLARTNPSGRLFFQRMKSIVGPTARRGFAGYAENVCDLIGKTPMVKINR
VLPENMVADKILLKLEMQNPGGSIKDRIALSMIEEAEARGEITPGKTTIVEATSGNT
GIGLAMVAAAGYKCVIVMPQVPAMYERYVIDRKFGAEVHLTSVKNDDMEKTFDNLL
AYAEDLVAA NPDTHWMP SQFVNQDNPKVHYETTGP EIW EQAGGDIDIFVAGAGT
GGTLAGGAKYLTEQN PDMKVVCVEPTEAKCDSAKSDYCSVHRQEQEYGPFLLVFLV
STNAIIRLLECTIAHPPEMX LSGGSPALHGVVIGIGANIKLPFIEALAPGQEWQ
PGPRGYISEFCSALTPESVAVANRLAAEEGLLVGPTSGAVVKVCADIACRPESE
GKTIVGVVASSGIRYVKHPMWEQPORTEADAALPVPPDLENEIPILRWKSE
DYVPPE

>comp13999_c0_seq2; 476 81 1277 LEN=1379; translated
MNFQAASRLLARTNPSGRLFFQRMKSIVGPTARRGFAGYAENVCDLIGKTPMVKINR
VLPENMVADKILLKLEMQNPGGSIKDRIALSMIEEAEARGEITPGKTTIVEATSGNT
GIGLAMVAAAGYKCVIVMPQVPAMYERYVIDRKFGAEVHLTSVKNDDMEKTFDNLL
AYAEDLVAA NPDTHWMP SQFVNQDNPKVHYETTGP EIW EQAGGDIDIFVAGAGT
GGTLAGGAKYLTEQN PDMKVVCVEPTEANVLSGGSPALHGVVIGIGANIKLPFIE
ALAPGQEWQPGPRGYISEFCSALTPESVAVANRLAAEEGLLVGPTSGAVVKVCADI
ACRPESEGKTIVGVVASSGIRYVKHPMWEQPORTEADAALPVPPDLENEIPILRWK
SEDYVPPE

>comp14000_c0_seq1; 685 129 1112 LEN=1355; translated
MKFSLALFLLSAATSSAFLAAPSNSARISSTNLFMGGEITPKTIKALRDLTGAGM
MDCKKALTEADGDQDAAAFLRKKGLAQADKKASRVAAEGKIAISSSDGKAVMVEV
NCETDFVGGKDATFLAYCDRVAGAAAGAESGIDDLMNQEVGDGSEATRQALVSKIG
ENIQVRRLESREGGSTVGGYVHMGTIGVLVELEGGSEELCTDIAMHVTAMNPPYAT
SDDVPSDVLVDNEKRIILTEQALESGKPEAIVEKMEVEGRIRKFLEEKCLVVSQSF
VKDSDMTVQQLLDKNDKVMVGF SRLVVGEGIEKKVDDFAAEVASMAAGK

>comp14001_c0_seq1; 485 203 1054 LEN=1114; translated
MPASFRRRLRLLSGFVPRDGRILSLQRGRVSNAAVIRDNCHNNSTTTAFTRASVTTGGSSR
QISQLSGRGRGQRRSESTTSIANNLRVTPAVAATAGFHSSPLSWFAAEAEEGDKPVDPA
GEAGGEEEPAAATDIDYDMAPPLPLSKASQEKVQAI FDKVLWLDMIEVHLLTQIVNEQMI
SWKETEMRQKGGGLVKVAGPGAAAAEAEPEAEKTFIDLKLTGFDAKAKIKVIKEVRTIAG
LGLKEAKEMVEGAPKIVQKELKLEKAEELKAQLEAVGATVELV
>comp14002_c0_seq1; 755 407 2164 LEN=2249; translated
MSYTTNSALLNLLVLLSPWSFASFVAEASSAAAANGVKSPFKIIFDGGSTGSRLHIFEFL
EADANGAQGSDRSNDDATTRL PASDTERDVQCVRRGSTRANIPLSAFGRLPADQNNNNPL
NSSKVAHLLPLFDFAADIIPSQYHETTGVVYQATAGMRLLAESEQEAVYDAVYEGMAE
ESFVFRGMQRKDIATLSGEMEAYYGALANFLKGIIDTELHLVYAQNNGRETNELPHHP
GALDMGGSSTQIVYIANQDDEDETERDPSNTCPKQPKLNDSENKNVCKLSDEHFFST
SYLSYGVQDIRKRLWDTLVLEYVASDDAYMVPNPKANGFEVEHKGHTLLGTGNTDECIR
QMKRLIPHPDVLHDWSDYSGWAVGGVEHPPIRGKFLAMSLYFFSLDSLRFVSEPDEEAH
HALDEAWPTPSIDELQNALDGLCSRNWQGDMELOEGTHSFTRKEVLP HRCLLETVYMTLL
KDGFGFHPSSRDITFTFLVDGDEVETLGLALAMNANEKSSPTPTVTTTTTAYDYSIDD
SNEDVKDDGCNETGNDVFEEEQYHMQGMPNSQYFAVAMPPTHCC
>comp14003_c0_seq1; 156 100 999 LEN=1237; translated
MSATTDPCVAVNGAGLAYREFSCDYPMLEPFYFEFEKKYDPVPMLEWMRDHPVPIVVVT
AYAVLIFGGQHAMRNKPAWNWRKAMALWNLTL SVFSWVGMFRTL PQLVHNLYYTSLRDNL
CLDPRVTYGSGSSGLWVQLFVLSKFPPELVDTFFIVIHKKPLIFLHWYHHITVLLCYHSY
VTTSPPGIFFVVMNYSVHATMYGYYFLMAVKMRPKWFNP IWITIFQISQMIVGVAVTLAG
FYFYKTDPTCKIEKENNTAAFVVMYGSYLF LFLQFFFGRYFNKKKGKNSVSATKTKQKSL
>comp14003_c0_seq3; 213 198 811 LEN=1049; translated
MDDWTLNARSMIPNKMNATIYPAMSNFAITLWCAAMTKSHTLANNENQYXSELVDTFFIV
IHKKPLIFLHWYHHITVLLCYHSYVTTSPPGIFFVVMNYSVHATMYGYYFLMAVKMRPK
WFNP IWITIFQISQMIVGVAVTLAGFYFYKTDPTCKIEKENNTAAFVVMYGSYLF LFLQFF
FGRYFNKKKGKNSVSATKTKQKSL
>comp14004_c0_seq1; 1458 71 2359 LEN=2447; translated
MRITSLSAWLAACFASSTCAFSAFSAKQQRISGSTLSRSIQTTGGYIEKSKQRPAFALN
VASSETIAVADMERGMGRLEEAFAAKAKGEEAFVSFITAGYPAKEDTPSILLAMQEGG
ASVIELGVPYTDQADGATITAAHQVAIANGTSDIDTCLMVKKAREMGLTVPVVMGYV
NPFLOYGEDRLCENAKEAGADGFIVVDLPPEEGIELNKACVKYGLSNVPLVAPTSSDKRI
AALAEMATTFLYCVSVTGVGTGARSELPPDLEEF LGRVRKATDLPLAVGFGISSPEMNGV
ANMADGVVVGSSILNAMKELGDDATTEQKADAVR KVISHLATGVKQSEDAKLQATKLGQV
PKVWAETNDKARFGDFGGQYIPETLSVAFEIEESSYDEIKNDPEFLAELDRYRREFVGGP
TPLHKAERLTEIAGGANIWLKREDLAHTGAHKINNAIGQALLAKRIGKPRIAETGAGQH
GVATATVCAMLGLDCTVYMGAVDCERQKLN VFRMNTL GAKVVPVEAGQRTLKDAINEAMA
DWVTNVRDTHYLIGSAVGPFPPTIVRDFQSVIGNEIKEQFAAKNDGRLPDALVACVGGG
SNAIGTFAPFEKDESVAFYGAEEAAGKIEFDEEHCATLTVGTPGV LQGAQTYIIQKESGQ
TLNTQISISAGLDYPGVGPEHAFYKASGRATYVGVTDQALEGFKMMCEYEGII PALETSH
AIYQAIQLAKELGPGKDIVINMSGRGDKDMPQIARIMGVEVN
>comp14005_c0_seq2; 312 1 513 LEN=1658; translated
XQQQQQQQQAQQQQQLPLRFPPRYGSPFCGAXEDSNATGERPARRPRSSPFLRPSTGSK
HCHPKAGGNSSSSSHHTATGAF LSPIFRSKGLEEEAAAAATVAATPIEDDNDKGHALDLF
AIRRCNAFDEDDASDDASDES GDFGV LGLGHNFVNFVGFSGENHNGYY
>comp14005_c0_seq3; 158 244 537 LEN=671; minus strand; translated
MLEAGDGE GDAVRDVGAMLLCLPLLSRFEGESNEEGSDVCLLCNPEDMKNDSVGLAWIP
VALGWVDQNPACLLVRNSMCWRRPVFLAEAEI WVRR
>comp14005_c0_seq6; 312 1 513 LEN=1188; translated
XQQQQQQQQAQQQQQLPLRFPPRYGSPFCGAXEDSNATGERPARRPRSSPFLRPSTGSK
HCHPKAGGNSSSSSHHTATGAF LSPIFRSKGLEEEAAAAATVAATPIEDDNDKGHALDLF
AIRRCNAFDEDDASDDASDES GDFGV LGLGHNFVNFVGFSGENHNGYY
>comp14005_c0_seq7; 378 1219 2004 LEN=2179; minus strand; translated
MALKNGNNNNNNNNNNNNNDNRIGDNKNLPSGQTDXEPALDLSHG VVRRAFHRDGEA
VLVRKQKAEGHLLRVVLEGGVRLETTG PSLGSLLCGFGLAGSASF SAGLPVSEEASG
LALASSGALSPASLAGFCFFFSAGSFSFLASATLSLSLEEPLADADADGDAGEDDDAVL
PSFFFFFFFAGSVAVAAESALASAFSFFSSGGFSSMVSFASLIEGTMVAVSI AVL SVNN
GFALLISSVSFRWDKRLQQT VW
>comp14005_c0_seq8; 640 337 2285 LEN=3173; translated

MPWSLSSSFVARTILSQWIVFWCTSLLYLDPTKCGCSLAYSPSFYSPIRCSRRGAFGGDQ
IVPSQQRFNRNPTGRXSALLLAANKKTPRDDNESDDQGSSSKRDSSNPKKKNRKNKNSGK
KWMFRKRKGNEDDEDDKDCSDSDWNSNLEGSQDQLLNTNPNKPD RADASSLSDEISSTN
ASHKDVDHQTRELSEEQTTHGQDNSSITPNDQEDDSITIAEDNKVEEQNTRDVT SERG
KVDEDPELVNNAETKKKAEIDETERKTSRFGFFGFRERKKKATDVDDKNTTVASIA DLDS
KNLEKASELIVGFNPPGPPRNATTNADGREDDSVAKKNKKNSSGGALGKITRRTL TLLLAVM
LYPIVADEVGDHIIVSSSSPAVPRTRSLGREQDGEETPESGNDDIGEGKKFAAAEKGS GH
DPDAGSTSREGGVGDEAWKDKMPPPPRQRTYASSNSNNKNNNGPGYSLNDRRKMALSFIS
EVVEQVGPVVRIDTESQVNNRGGYSNYDSNFVQQQGSGLIFSSSEGFILTNHVVESAT
KVKVTLTDRVYRCTVTGTDDIVDIAVLKILSEDGPPVANLPVAEFGNSDEL RVGKIVVA
VGSPGGLDNTVTMGIVSGRERSMMVGI PHKLVNYIQTDAAINPGNSGR

>comp14005_c0_seq9; 560 80 1162 LEN=1372; translated
MVDDNESTRNIPGGDGGGSGNVATAFSSGDNDFSTQAMKLAFCFAGLQASYLTWGYMQE
LIMTTVFEP TPGAPNGIFPSAAF CVFSNRFLAVIVGAIACKIKHGALYSNNVAPLYSFAP
CALSNLSSWSQYASLKYVAFPVQTVFKSSKIIPVMMGRFLKGN SYPLGQYVEALLITI
GVAIFSLTTKTAKVNNDETEIIGLIFMLVYICCD SFTSQWQDKIYQQYGRSNVDQYQMLC
VNTCAIVITTTGLIVSGDVPVVEFLSKNPVALNYNIITAIT SASQLFIFYTIKEFGPI
VFTVIMTTRQLFSITLSCILFGHKIGLTSLFGASMVFLVIFYQIRRKYLARVARQ NAGGS

>comp14005_c0_seq10; 636 337 2127 LEN=2127; translated
MPWSLSSSFVARTILSQWIVFWCTSLLYLDPTKCGCSLAYSPSFYSPIRCSRRGAFGGDQ
IVPSQQRFNRNPTGRXSALLLAANKKTPRDDNESDDQGSSSKRDSSNPKKKNRKNKNSGK
KWMFRKRKGNEDDEDDKDCSDSDWNSNLEGSQDQLLNTNPNKPD RADASSLSDEISSTN
ASHKDVDHQTRELSEEQTTHGQDNSSITPNDQEDDSITIAEDNKVEEQNTRDVT SERG
KVDEDPELVNNAETKKKAEIDETERKTSRFGFFGFRERKKKATDVDDKNTTVASIA DLDS
KNLEKASELIVGFNPPGPPRNATTNADGREDDSVAKKNKKNSSGGALGKITRRTL TLLLAVM
LYPIVADEVGDHIIVSSSSPAVPRTRSLGREQDGEETPESGNDDIGEGKKFAAAEKGS GH
DPDAGSTSREGGVGDEAWKDKMPPPPRQRTYASSNSNNKNNNGPGYSLNDRRKMALSFIS
EVVEQVGPVVRIDTESQVNNRGGYSNYDSNFVQQQGSGLIFSSSEGFILTNHVVESAT
KVKGKMRIGKNHSXNATGLFPLGTERKNSFAVEGLPFSFAVSLRSKPPVPSREQSP

>comp14005_c0_seq11; 831 337 2876 LEN=3069; translated
MPWSLSSSFVARTILSQWIVFWCTSLLYLDPTKCGCSLAYSPSFYSPIRCSRRGAFGGDQ
IVPSQQRXSKQAHRSR SALLLAANKKTPRDDNESDDQGSSSKRDSSNPKKKNRKNKNSGK
KWMFRKRKGNEDDEDDKDCSDSDWNSNLEGSQDQLLNTNPNKPD RADASSLSDEISSTN
ASHKDVDHQTRELSEEQTTHGQDNSSITPNDQEDDSITIAEDNKVEEQNTRDVT SERG
KVDEDPELVNNAETKKKAEIDETERKTSRFGFFGFRERKKKATDVDDKNTTVASIA DLDS
KNLEKASELIVGFNPPGPPRNATTNADGREDDSVAKKNKKNSSGGALGKITRRTL TLLLAVM
LYPIVADEVGDHIIVSSSSPAVPRTRSLGREQDGEETPESGNDDIGEGKKFAAAEKGS GH
DPDAGSTSREGGVGDEAWKDKMPPPPRQRTYASSNSNNKNNNGPGYSLNDRRKMALSFIS
EVVEQVGPVVRIDTESQVNNRGGYSNYDSNFVQQQGSGLIFSSSEGFILTNHVVESAT
KVKVTLTDRVYRCTVTGTDDIVDIAVLKILSEDGPPVANLPVAEFGNSDEL RVGKIVVA
VGSPGGLDNTVTMGIVSGRERSMMVGI PHKLVNYIQTDAAINPGNSGGPLIDVESGTVI
GINAAIRAHMEGTSFAIPINRVRDILGDLSDGKEIKHGYIGCQLTCTPDWARENNAKAG
GADQGGAGSGKGRPASIP EYVYGALVHKIYGKSPVHLGGLREQDVIQRI GSEPVLSAGDAS
RLIDLAVPGESVPFTVLRNGRVRVISVRPKDMSSTQREMQRREKQRR LQDEKRRFQELGPF
RSLLRD

>comp14005_c0_seq12; 584 376 1551 LEN=1761; translated
MAPTSRTASPSPASSMVQEDNDKMLMRPLMVDDNESTRNIPGGDGGGSGNVATAFSS
GDNDFSTQAMKLAFCFAGLQASYLTWGYMQELIMTTVFEP TPGAPNGIFPSAAF CVFSNR
FLAVIVGAIACKIKHGALYSNNVAPLYSFAPCALSNLSSWSQYASLKYVAFPVQTVFKS
SKIIPVMMGRFLKGN SYPLGQYVEALLITIGVAIFSLTTKTAKVNNDETEIIGLIFMLVY
ICCD SFTSQWQDKIYQQYGRSNVDQYQMLCVNTCAIVITTTGLIVSGDVPVVEFLSKN
PVALNYNIITAIT SASQLFIFYTIKEFGPIVFTVIMTTRQLFSITLSCILFGHKIGLTS
LFGASMVFLVIFYQIRRKYLARVARQ NAGGS

>comp14005_c0_seq13; 312 1 513 LEN=1317; translated
XQQQQQQQAQQQQQLPLRFPPRYGSPFCGAXEDSNATGERPARRPRSSPFLRPSTGSK
HCHPKAGGNSSSSSHHTATGAF LSPIFRSKGLEEEAAAATVAATPIEDDNDKGHALDLF
AIRRCNAFDEDDASDDASDESGDPFGVELGLGHNFVNF GFSGENHNGYY

>comp14005_c0_seq14; 536 279 1142 LEN=1942; translated
MVPSISEAKDTIEEKPEEKKEKADAKADSAATATEPAK KKKKKKKEGNTASSSSPASPS
ASASANGSSKD KESVADAKKEKEPAEKKKQKPAKDAGDKAPEEDAKAKPEASSETGKPAE

KEAEPAKPKPQSNDPSEGPVSVSKRTRPPYKYDPEKVTLRFLFANKDGLTVTVECTPND
TVGKGRLLSVWPEDLPSCSGDQLRLICMGKGVLPDSRTLRLRACEVPVFKTHPTPVNV
AVRPKTAIPVHKPSRKGDDGSRGVASQGSVNVVAEQSQGCGCVIS
>comp14005_c1_seq1; 152 953 1644 LEN=1753; minus strand; translated
MGLSCPQQAYPPASVPCAIAKQSTPAXKSIDPVIHRTDLGDNLASERLTHLDVGGEQRWVL
SGRSGNCGGKNLDGLGPVGFQONAPYEPPALGAFSEGRVADES DAERERVVRRRLRLCLRC
KIAKDFYFSLQFGKRSLAGQVPGSDETQATRATRFVVRQGS PRNTRHRC PHQGQAAPKPLG
EKSLPGSAFAAAAAAAHGFGRSGVGSFSEFLETFSLCGTVRSLSETLSHD
>comp14005_c1_seq2; 371 212 1363 LEN=1593; translated
MSSSSSSSKSRSWKTLFTQRFGCRLPLMGAPMAGVSGSLAYETCRAGGLGFIAAGHLTS
EASLAKLEREIKVFRDLASQTQPQSSDHSFPLGIGFIGHSTFGKGSEGWGLVRRILESHR
PESVQIFAPAIRAPTGEDPSLFTTNVEMCQSFQCKVIAQVGSVNDGVDALAAGVDCLIA
QGTEAGGHGIRRDVGNSTLSLASRLVRIASEGQRNVPVLAAGGIVDGRGLMAALSLGADG
AVLGTRLWASEEALGDGAYKNALVAAGSCDDVVRTRVFDTIWNSQRSTKWPYPFDSGVL
RNHTTDAWDASIPALEKELSSDNKALVEELNDAETTHLPSKGCVYSGQGVGEIDSIEPAY
DIIMQIEKDAMSSLSRLSEVAGA
>comp14006_c0_seq1; 758 201 2324 LEN=3467; translated
MASKQRERIKAFLLVFNLLAANTFYLCYVCMYILSEDMDVSEHHPEQVHVPHPEAHLLE
NQKLHHRLLHNPNIHIEWNGFRKKGANGTVERNENKNKNENNSNINTNTNRRNEHQDTGNK
QKHTGEGHPQSTRNEKPHGNETNNTQQHPLLDCTRYGGPHDFDSLDEM VYWKHIPEDATY
QSRFKNGDKGEQFLTFDMDSGFNNQRMVFEINVATAIATGRTLVMPRDRVMDHIHKTH
KFAMDDFFDLQKIAGELPDILKMTIDDIYISQEGGPEKLNIPRDFTFGFGKKV GEMIREIQ
EDKTRLTSNYNHDKFLINHVNDLHCNVTEHGEEYCSNYTDWINQRHVSKTHGIWQFYL
DEFFHDHPKVVC PKWGSSICLLTIPVFDAPNHNNTIINTDNTSSSDRFKAWMKDL DGNV
WERQNSFIGNPPLVNDPPKRVSELYQARNGLCVYDQNMQQSKYYHMRDTADRESRLIGH
WYDYIFFEDWKEDLWMKRFMRDKLKYNDLLQCTAAKIVADIRKTSKTLYNHSDGQFHSMH
VVRTDLTKFYKDYDIDRNASEIYNELKRHIVPKDSVVFVATDEADKHWFDVFRENYQRVY
FLDDFVEGYLKDIPKEYYGMIDQLVASRGEHFVGTYYSTFTGYINRLRGYHSQKHYNPNL
VNSLKKPPREAKGIIPSWFYSPKKVIDWYQQYAPVGSSTFFEMEYPLAW
>comp14006_c0_seq3; 662 311 2281 LEN=3424; translated
MASKRRERINAFLLVIFLFAANTSFLCYVTKKDVSEWEGHLHENMRLHYQLRDEPEQK
SVHQKPSQPLTNDTGTTSQHHQEQQPRPQHPLLNCTRYGGPYDFNSLDDMVYWEIPEDA
TYQSKFHKDGDEERFLTIDTDLGGFNNQRMVFEINIAMAIVTGRTLVLPDRDRV VSHIHTG
DKFAMNYFFDLQKIASSYPKALKLMSTDDYIAQEGRPEKLDIPRDFYGFSLKADKI INDI
KENRTNLTSNYSSHDI FVMVNAEELQCNVSKHGKEYCSNYTDWIDLHRHAKPRRFHQYY
LDEFFHDHPKVVC PKWGAKTCVATIPAFNNNDNNHINNATANKRNNNINNSPDRFKAWTK
DLKSEYWKRNHKNYVRNPPLVNDPPEKRLPELYQKRTSLCVYDQKMQQSKYYHMRDTADQ
ESRSRLLGHWYDYIFFEDWKEDLWMKRFMRDKLKYNDLLQCTAAKIVADIRKTSKTLYNH
SDGQFHSMHVVRTDLTKFYKDYDIDRNASEIYNELKRHIVPKDSVVFVATDEADKHWFDV
FRENYQRVYFLDDFVEGYLKDIPKEYYGMIDQLVASRGEHFVGTYYSTFTGYINRLRGYH
SQKHYNPNLVNSLKKPPREAKGIIPSWFYSPKKVIDWYQQYAPVGSSTFFEMEYPLAW
>comp14007_c0_seq1; 290 420 1187 LEN=1327; translated
MASQQQHLGGRILKAKPAGPMGLKQLFEEDSCTYTYLLWDLSTKDAILVDPVDVKVDRD
LSEAEALGLNLVWAANTHAHADHVTGTGLLKQVRVGLKSVISEASGALADAKISHGDRIS
FGNRWVGLATPGHTEGCVSLVADDGSFVLTGDALLVQCGRTRDFQGGCSDTLYGSVHDQ
LFSLGDETVVYPAHDYKGRTHSTIGAEREKNPRLGREKSREEFVEIMKNLNLSPKKIDV
AVPANMRCGVPDAAE
>comp14007_c0_seq2; 290 396 1163 LEN=1303; translated
MASQQQHLGGRILKAKPAGPMGLKQLFEEDSCTYTYLLWDLSTKDAILVDPVDVKVDRD
LSEAEALGLNLVWAANTHAHADHVTGTGLLKQVRVGLKSVISEASGALADAKISHGDRIS
FGNRWVGLATPGHTEGCVSLVADDGSFVLTGDALLVQCGRTRDFQGGCSDTLYGSVHDQ
LFSLGDETVVYPAHDYKGRTHSTIGAEREKNPRLGREKSREEFVEIMKNLNLSPKKIDV
AVPANMRCGVPDAAE
>comp14008_c0_seq1; 210 87 1220 LEN=1552; translated
MSFSSYLPCGFEPASLFGDDGDDKDCSSIVEYMTNLPLCCPSVARRTEDHPSHRETQAQ
GAMAQPWRPPLYRDKSLIADACSPSVEEEKGSSPTS KTRSLSIGVLACGNSVPPREDQSA
PSTNTDRNSLPPDFIPRHLFSRHVNTKRHVESTIVPKDSLSQGLRLQPKDVVCGRGAPT
STHPGNQQFKKI IKRHEMEYVCSKRNEKPMIATKLLSMLQCDGVRVFKRERNEEGSLVWA
EIGEQRAL EKVCQSLREDAPHIRKMMVASSALRSTRSEERREHRNRFQQSRQDTSNQVSS
ETGDIYDVRHRSSLATNSNARKNISHQIQNNGAFHHEECVSKECSYNLGAHYDDPYVPHI

PPHLGGERMFGDKFSRE

>comp14009_c0_seq1; 314 90 1022 LEN=1110; translated
MKMRFAVVASLATVLSFLCEESIASDDGSDISNGIVYSAFDSASWAVTSRFLSPVLGADK
QSLYDDFMADCDEAMKEDAGYCSRNDEYRTRMNRSQPSSVYNYTKTGFAKTRVPPDLYKL
IKEFFDENRRHAEVEWVKHYNTYHNAWESPPTIVHLAQEHMGGISLITEIEKKVTPILEE
WTGQRLSPVSTYGVRLYHNNSILTPHVDRMPLVTSVLIQVDQDVDEPWPLEVYGHDIAT
NVTMEPGDMVLYESHSHVIHGRPFPMVGNFYFANCFIHFEPYEPYIESEGYSYEPETDIPPYL
IPGSAWEAEWW

>comp14009_c0_seq2; 247 90 632 LEN=798; translated
MKMRFAVVASLATVLSFLCEESIASDDGSDISNGIVYSAFDSASWAVTSRFLSPVLGADK
QSLYDDFMADCDEAMKEDAGYCSRNDEYRTRMNRSQPSSVYNYTKTGFAKTRVPPDLYKL
IKEFFDENRRHAEVEWVKHYNTYHNAWESPPTIVHLAQEHMGGISLITEIEKKVTPILEE
W

>comp14009_c0_seq3; 364 90 1373 LEN=1541; translated
MKMRFAVVASLATVLSFLCEESIASDDGSDISNGIVYSAFDSASWAVTSRFLSPVLGADK
QSLYDDFMADCDEAMKEDAGYCSRNDEYRTRMNRSQPSSVYNYTKTGFAKTRVPPDLYKL
IKEFFDENRRHAEVEWVKHYNTYHNAWESPPTIVHLAQEHMGGISLITEIEKKVTPILEE
WTGQRLSPVSTYGVRLYHNNSILTPHVDRMPLVTSVLIQVDQDVDEPWPLEVYGHDIAT
NVTMEPGDMVLYESHSHVIHGRPFPMVGNFYFANCFIHFEPYEPYIESEGYSYEPETDIPPYL
IPGSAWEAEWWKLNPEGWTKTKTASTLELRKVAIKGDIRFRSIVNANPDLLHAQDKNG
WTVIHEAARSGDVEIIELELILELGVDMNLLTDHGFSPLRVAREFGENAEVIKYFESIGAKD
IKFDEEL

>comp14010_c0_seq1; 362 1 1694 LEN=1694; translated
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STGRPVVNVSGKEFRDLIKNCVVNNSNCPYNSSVNCWDTSGVTDMAAFRDLVYTEFSEP
LLCWDVSGVTNMEYMFGGSYFFNGDIGNWNVSRVTSIDSMFSSTSYFNQPLGDWDLSSVT
SMNRVFRHSFPFNQPIGDWNVSRVTSMSSELFSSSSFNQPIGTWDVSSVRDFGGFFGPTFNQ
PIGEWDLSSATVLDRMFAFASRFNQPIGDWNLSNAESMVLKNAKAFNQPIGDWNVSRA
TNMSKMFDDAFGFNQPIGDWVSSVRDMSEMFPGDRQKFNQPIGDWVSRVTDMSFMFI
SNKAFNQPIDVWDVSSATKMEGVFLRAENFNQCLATWASKTPGNVKVDYMFEDSGCPNTSD
PNPSVGPWCQVDSEFCVADPGPEEIPAPTGGPGPDILSTCADSCPNRGPVINVSGSDFR
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>comp14010_c0_seq2; 316 1 1421 LEN=1421; translated
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STGRPVVNVSGKEFRDLIKNCVVNNSNCPYNSSVNCWDTSGVTDMAAFRDLVYTEFSEP
LLCWDVSGVTNMEYMFGGSYFFNGDIGNWNVSRVTSIDSMFSSTSYFNQPLGDWDLSSVT
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PIGEWDLSSATVLDRMFAFASRFNQPIGDWNLSNAESMVLKNAKAFNQPIGDWNVSRA
TNMSKMFDDAFGFNQPIGDWDLSSMEYLSVVFHKAASSFNQPLRWDVSKVKGMGMSGMSDA
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>comp14010_c0_seq3; 116 1 1481 LEN=1503; translated
XPNVNGLIETKSPGKHQVCVKRYRHKPDVFQAFSFNQPIDIWDDSSVTDMSQMFLAETGF
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PVIQSGDFQELIGLCHNLPDECPYDLPINCWDTSLITNMDFAFLDEFERVIKPFDEPPI
LLGCIKCDKHDGDSRPIFFQPFHWWLGCVKRDGHACDVFERGNLQHPLGNWDVSRVKDM
RVMFAQSAFNQPIDIWVSSVTDMSNMFNMTSFHQCLTTWASKTPDFVSVSGMFRNSGC
PRGAWYPI SFVGPWCQGDSEFCGASCTDYCVGRGPRCLDECRETLPPTPAPSPEEIPPPA
PGPDI FVCTTKESFEMKGTFTCAELEDFSSKKKKKMSRRKNVKEACPGVCNRRCVCE
NKKTSFRIKAGHINFGKFRCKNVGKQQPTCDTKVKKGKLVLDLCPKKCDFCLEEAGSV
ELRVHLNNSLKV

>comp14010_c0_seq4; 438 3134 4681 LEN=4681; translated
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PLGDWDLSSVTSMNRFVFRHSFPFNQPIGDWNVSRVTSMSSELFSSSSFNQPIGTWDVSSVRD
FGGFFGPTFNQPIGEWDLSSATVLDRMFAFASRFNQPIGDWNLSNAESMVLKNAKAFN
QPIGDWNVSRA TNMSKMFDDAFGFNQPIGDWVSSVRDMSEMFPGDRQKFNQPIGDWVSR
VTDMSFMFISNKAFNQPIDVWDVSSATKMEGVFLRAENFNQCLATWASKTPGNVKVDY

FEDSGCPNTSDPNPSVGPWCQVDSEFCVAPDPGPEEIPAPTPGPGPDILSTCADSCPNGR
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>comp14010_c0_seq5; 192 3134 4468 LEN=4490; translated
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VIFKPFDEPILLGCIKCDKHDGDSRPIFFQPFHWWLGCVKRDGHACDVFERGNLQHPL
GNWDVSRVKDMRVMFAQSAFNQPIDIWDVSSVTDMSNMFMATSFHQCLTTWASKTPDFV
SVSGMFRNSGCPRGAWYPI SFVGPWCQGDSEFCGASCTDYCVGRGPRCLDECRETLPPTP
APSPEEIPPPAPGPDIFPVCTTKESFEMKGTFTCAELEDFSSKKKKKMSRRKNVKEAC
PGVCNRRVCENKKTFRIKAGHINFGVGFRCCKNVGKDQQPTCDTKVKKGKLVLDLCPKK
CDFCLEEAGSVELRVHLNNSLKVK
>comp14010_c0_seq6; 392 3134 4408 LEN=4408; translated
MSQMFLEATGFNQCLSTWAGKTPMVVMDKMLKSGGCPQQSNPDPSVGPWCQTESDSCSV
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RDLVYTEFSEPLLCWDVSGVTNMEYMFGGSYFFNGDIGNWNVSRVTSIDSMFSSTSYFNQ
PLGDWDLSSVTSMNRVFRHSPFNQPIGDWNVSRVTSMSSELFSSSSFNQPIGTWVSSVRD
FGGFFGPTFNQPIGEWDLSSATVLDRMFAFASRFNQPIGDWNLSNAESMVL MFKNAKAFN
QPIGDWNVSRATNMSKMFDDAFGFNQPIGDWDLSSMEYLSVVFHKASSFNQPLRKWDVSK
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AANFD
>comp14010_c0_seq8; 83 1 594 LEN=649; translated
VGSLRSMFDGATSFNQPLDKWDVSRVQSMYMFDRDATSFNQCLSTWASKTPTDVYTEDML
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KACNKRPAAKACPGVCNLRVCEDKFFRIKPNSDNDFRGKFRCKNVNKDQQPSCNTKVK
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>comp14010_c0_seq9; 291 1 952 LEN=1328; translated
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MFDRTSSFNQPIDLWDVSSVTHMMHMFRTGATSFQCLSTWASKTPTDVVFCRVMF IGSGCP
QQTDPDPSLGPWCQVDSEFCIAPDFLENEISVCDNMEGFQMKGTITCRELEDFGSKKRK
RVCRKEKAKEACPGICDRRCFKDKTAFKIKPNIDNFRGKFWCKNVNKDQQPSCTNMA
MEMLVGDLCPVTCNFCF
>comp14011_c0_seq2; 212 246 1633 LEN=1804; translated
MKRFASLSVLAFLGLVTSFPFANGFSLATPHRAVGAPFQLFQPRASSTSLTTPLSASSGD
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CQLLYKITGNRFDPGVRVRGNEVFDTQCGAVRSEVRHIVGNNASPLRESHGLSMXVNF
SNAISGNPLVPIAVVPSSLPFSLCNACAPHDVCVLCFLVREISHLMNPSIFYSCHQFFTY
APQRRVPIFVGHCWGMALMRLTRCYPKIHNREYITEFFKKNKNAEGKEPNAMFVANHC
SWMDIPFLGAVMGWRNYKIVSKKELGIVPILGTALRAGGHIMVDRDTRRSQIKTLKQGIN
YLNKDGFNLATFPEGTRSRSGRMMKFKAGAFKMAHKAGAPVPIPIVHSDKVMPTGWM
MAMRPAWGLAEVVVHRPIASDDKTEEELVEAVRKS MIDGLPDDQKPV
>comp14011_c0_seq4; 225 246 1310 LEN=1481; translated
MKRFASLSVLAFLGLVTSFPFANGFSLATPHRAVGAPFQLFQPRASSTSLTTPLSASSGD
ATASDKSPAASKEKKTWKELREEGGFPAINTPIGALNPFALYYFFVSIALGIPWFILAST
CQLLYKITGNRFDPGRRVPIFVGHCWGMALMRLTRCYPKIHNREYITEFFKKNKNAEGKE
PNAMFVANHC SWMDIPFLGAVMGWRNYKIVSKKELGIVPILGTALRAGGHIMVDRDTRRSQ
IKTLKQGINYLKKGDFNLATFPEGTRSRSGRMMKFKAGAFKMAHKAGAPVPIPIVHSDK
VMPTGWMAMRPAWGLAEVVVHRPIASDDKTEEELVEAVRKS MIDGLPDDQKPV
>comp14012_c0_seq1; 395 200 1453 LEN=1611; translated
MSESDADNRDAPSKAMMIMLAPDGYTYLNI PKVPVQNSSGVS GSKESGEDPLLQIDL
DLVKKNFRKLSIRHHPDKPGGSDTFRTLKRAQTVLSNPCLRQQYDILGLDLDDDDVEQ
NSSAGINDEAGAEPQTT SQI IQDIASAALXDGIAIGCQDGYVCYHLSFVCRAIVVAN
NRRTTAMIVTDTTIPDPADIYAPFCVLLINMNYFSFSFNSSYGSTRITMDFTRPALLGT
ISLIARYRLTLFPTLAFLAFVAYKVRSGPTVDHSLLELMSPFVIGIGMIIMYQASSG
SWSSISEDGTCKIHWLLYWLGESITIFMFTFNSMEVKPSMSSPIYLGAI GLFGILAAL
WFRGKFWNYAIVIGLEIFLAIFIALAFPVFEMILEAILNDKLVGDKIRAQHKCMERY
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>comp14012_c0_seq2; 323 200 1396 LEN=1554; translated
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DLVKKNFRKLSIRV SITVPMFCDDAQLYAKXLNFDARLEVVLSLFLFVCN
LWNSYNFRPLLSPKHHPDKPGGSDTFRTLKRAQTVLSNPCLRQQYDILGLDLDDDD
VEQNSSAGINDE

DAGAEPQTTSQGI IQDIASAALTTVLQLGVRTALLGTISLI IARYRLTLFPTLAFLAFVA
YKVRSGPTVDHSLELMSPFVIGIGMI IMYQASSGSWSSISEDGTKKIHWLLYWLGESITI
FMFTFNSMEVKPSMSSPIYLGAIGLFGILAALWFRGKFWNYAIVIGLEIFLAIFIALAFP
VFEMILEAILNDKLLKVGDKIRAQHKCMERYKQQSND
>comp14012_c0_seq3; 324 200 1615 LEN=1773; translated
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VKKNFRKLSIRVSITVPMFCDDAQLYAKXLNFDARLEVVSLSLFLFVCNLWND SYNFRP
LLSPKHHPDKPGGSDTFRTLKRAQTVLSNPCLRQQYDILGLDLDDDDVEQNSSAGINDE
DAGAEPQTTSQGI IQDIASAALXDGIAIGCQDGYVCYHLSFVCRAIVVANNRRTTAMIVT
DTTIPDPADIYAPFCVLLINMNYFSFSFNSSYGSTRITMDFTRPALLGTISLI IARYRL
TLFPTLAFLAFVAYKVRSGPTVDHSLELMSPFVIGIGMI IMYQASSGSWSSISEDGTKKI
HWLLYWLGESITIFMFTFNSMEVKPSMSSPIYLGAIGLFGILAALWFRGKFWNYAIVIGL
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>comp14012_c0_seq4; 394 200 1234 LEN=1392; translated
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AGINDEDAGAEPQTTSQGI IQDIASAALTTVLQLGVRTALLGTISLI IARYRLTLFPTLA
FLAFVAYKVRSGPTVDHSLELMSPFVIGIGMI IMYQASSGSWSSISEDGTKKIHWLLYWL
GESITIFMFTFNSMEVKPSMSSPIYLGAIGLFGILAALWFRGKFWNYAIVIGLEIFLAIF
IALAFPVFEMILEAILNDKLLKVGDKIRAQHKCMERYKQQSND
>comp14013_c0_seq1; 443 1 1372 LEN=1391; translated
HQRVRFEEAIIASIGSDSAAVYDTFGKHGEYIVDGSHTGTPLAPPLPIWAPVLCRHTGP
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GGDEAVGFRNPSKHKDKGDPAKRRGGADPHSGVPAEARRRKLVLSSAAALLTTLASSWSGG
GKPPSAGASSLAVLEESENRRIEVFERNAPSVVFIDTF SVKQDAFSPNIMEVPLGTGSGF
VWDKDGHI VTNVVRNAKFAQVALITPRGRKDKKLPGSAISSP SLASSSTGDSSEIDVF
GTTNGGLSRTSNTNKVSSDEYKRTVFKAKVVGVDPGKDIAVLKIDAPEDILYPIQQGKSS
TLKVGQLGMAIGNPFGLDHTLTAGVISGLGREVKSPIGRPITNVIQTDAAINPGNSGGVL
LDSRMLIGMNTAIYSPSGASAGIGFAIPIDTIKYM
>comp14013_c0_seq2; 521 1 1786 LEN=1914; translated
HQRVRFEEAIIASIGSDSAAVYDTFGKHGEYIVDGSHTGTPLAPPLPIWAPVLCRHTGP
ASIGMGSGQPALEPSVAGRKRKQSLGMWAACPVHNNTDRDKRKEKNKPSIETDLFGSSDG
GGDEAVGFRNPSKHKDKGDPAKRRGGADPHSGVPAEARRRKLVLSSAAALLTTLASSWSGG
GKPPSAGASSLAVLEESENRRIEVFERNAPSVVFIDTF SVKQDAFSPNIMEVPLGTGSGF
VWDKDGHI VTNVVRNAKFAQVALITPRGRKDKKLPGSAISSP SLASSSTGDSSEIDVF
GTTNGGLSRTSNTNKVSSDEYKRTVFKAKVVGVDPGKDIAVLKIDAPEDILYPIQQGKSS
TLKVGQLGMAIGNPFGLDHTLTAGVISGLGREVKSPIGRPITNVIQTDAAINPGNSGGVL
LDSRMLIGMNTAIYSPSGASAGIGFAIPIDTIKYIVTTLIRDGKVVPRPILGIGFLESKQ
ARALGIGRGLVLDVDPAGSPPARAGLKGTKRTETGLVEIGDIIVKVGDVTIETEANLFQS
LENYKPGD TVDVKVLRIDAVDDQLKQRELTLOIELQSSEVLERTRFEMRPADHP
>comp14014_c0_seq1; 339 388 1704 LEN=2025; translated
MTTVPSQRESPNSIKNANPTTKEPDTKHKRPFSSVAVYHHYDDVDNQHVDNTDLNFDN
VNRNYDSTTANATQTRYQHRYSHVSAQNLNKLNI GNANSAANGSCCYSLNNTNNI PRFPC
GNNHHEDEVNDLPPALEEPKYSVHKRVLPAQLTAFSSQKGKRYLMEAFAGTAESYWKLT
EHFVNQSDPAFCGVTTLLMCLNAMCIDPNIRWRGGWRFYGSEDVLLNRCCFSAERIRRQ
IVLEDFARLGRCHGLTIDLKRPVVKDQELDRSKNNDSSFLESDCKRNEGDESFSLEDFRN
DIRLILSNTKARHQPI LVVFSRLALGQTGDGHFSPIAAYHEKTDQVLVLDVARFKYAPY
WVGVEDLYKSMREADSVTKPRGWFLAPPKNHDCIDDENGTEDRRPIEVVPKLGDPEIC
PVSDIKVHFCKGNLQPVVA
>comp14015_c0_seq1; 763 66 1733 LEN=1821; translated
MAGRMSAPRAILVSLGVAAALLALVA AVSVAQRSEAI VDAASGAVHVGGEPTPTPTPE
TNYGVDVSWPMQHGGNVANGQSERYNYMSGCYEQGSNFEKRADGLYQKKENPDEKGDNA
DYVRVCNNAENDRLQMNLNQPREMQNYTHAGYAKVHTPRKAMELLQSFFEKNERYVWPEF
WNEGNTYVNHWEVPTGLLDIGRESLPHFAREERETI IRSIQDVLESWTGQRLVLT SAYG
IRVYQEGAILAPHVDRLPLVSSAI INVQKNVAEPWVLEVI GHDKAHNLTAEPGEMILY
ESASVIHGRPYPLRGEGAKYGSVVFVHFEPYHTLRHAHGATGGDHYAAEAATKASKNAF
EKALGEQLKKPPLGDVAREDPDVATDESSTAGSSSNHHPKPGVFRKHPGYVWPEYKGL
YDQHFFHYEYEDRVT PKSPKAVFGDLTIHQ AASL GELAVL KELAKA QGRHKL FKADSN GWK
PLHEAARS GHADVIEYLL EEGANVNERTNFDKGGNAMYWAKKKPVKNAKAI AVLELHGGV
TVAPFEKKKQDAQSS

>comp14016_c0_seq1; 343 1 1631 LEN=1811; translated
SCLAFVPTVFQILSLCISDFLVXVATTFFEGGPDADFVGMVGLGCTKPGQLCLITGSSHLHC
VVSSTSSTAPGTWGAYKGAPLPGTCFAEGGQSSTGSIIRWARNILGESDREYKELDQDAA
EIPPGCEGLVALETFQGSRTPVTDPLQRGALLGLTSLHTRAHIWRALMESVCFGTRACLE
GIEKAGHGCNEIVIAGGATRSDLWLQMHADVTGKPVVVCEFADAPLLGCAILASVNAGVH
ANVDEAIDCMVRKAKRVVPSEAASKAYDKLYKSVYSKVGSA TRPVAHSIAAFSRGGHVS
PSEGTDARIPKVPTI SPSSLASDWS DIRGEIQRCLNAGANRLHVDIFDGVFIDSPHALTF
GPQMVEAMRRC SNNDTVLDLHICVDRPARYISAKEAGNTFIFMWEAAKDAEAALEIARQ
VAESGMDCGISINPSTPVEDIFP LLESGLIDVVDVLAVEPGF GGQRFQDSAIKKIEILRR
FRDNRGETNDQRCFQIMVDGGINQDTAKLT TDADILVAGSFLFNKQYIQDGMSEIEASFA
TIP

>comp14016_c0_seq2; 345 1 1391 LEN=1414; translated
SCLAFVPTVFQILSLCISXFSRSVATTFFEGGPDADFVGMVGLGCTKPGQLCLITGSSHLHC
VVSSTSSTAPGTWGAYKGAPLPGTCFAEGGQSSTGSIIRWARNILGESDREYKELDQDAA
EIPPGCEGLVALETFQGSRTPVTDPLQRGALLGLTSLHTRAHIWRALMESVCFGTRACLE
GIEKAGHGCNEIVIAGGATRSDLWLQMHADVTGKPVVVCEFADAPLLGCAILASVNAGVH
ANVDEAIDCMVRKAKRVVPSEAASKAYDKLYKSVYSKVGSA TRPVAHSIAAFSRGGHVS
PSEGTDARIPKVPTI SPSSLASDWS DIRGEIQRCLNAGANRLHVDIFDGVFIDSPHALTF
GPQMVEAMRRC SNNDTVLDLHICVDRPARYISAKEAGNTFIFMWEAAKDAEAALEIARQ
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>comp14016_c0_seq3; 654 17 2248 LEN=2271; translated
MGAISFKKTLQTSRSTASILTCIWFLVITATRRTVAISDTSSSPSAKARRRLVVGVDGGT
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SNADEYEISICVDTTCCSVVALDKNDEPLRKCLLWMDARSASQTEQIMAE CRGDPALLV
NCGGEGPISAEWMPKALWIRQNEPSVWENAKTICEYQDFINFKLTGEMCASSCNAATRW
HWDGEECLKAATQENKYPGKPI SLYEKLGIPELANKLPLKCI PMGGSVGRLTKEAAQHLN
LPEGTPVAQGGPDADFVGMVGLGCTKPGQLCLITGSSHLHC VVSSTSSTAPGTWGAYKGAP
LPGTCFAEGGQSSTGSIIRWARNILGESDREYKELDQDAAEIPPGCEGLVALETFQGSRT
PVT DPLQRGALLGLTSLHTRAHIWRALMESVCFGTRACLEGIEKAGHGCNEIVIAGGATR
SDLWLQMHADVTGKPVVVCEFADAPLLGCAILASVNAGVHANVDEAIDCMVRKAKRVVPS
EAASKAYDKLYKSVYSKVGSA TRPVAHSIAAFSRGGHVSVPSEGTDARIPKVPTI SPSSL
ASDWS DIRGEIQRCLNAGANRLHVDIFDGVFIDSPHALTFGPQMVEAMRRC SNNDTVLDL
HICVDRPARYISAKEAGNTFIFMWEAAKDAEAALEIARQVAESGMDCGISINPSTPVED
IFP LLESGLIDVVDVLAVEV SLL

>comp14016_c0_seq4; 602 17 2488 LEN=2668; translated
MGAISFKKTLQTSRSTASILTCIWFLVITATRRTVAISDTSSSPSAKARRRLVVGVDGGT
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SNADEYEISICVDTTCCSVVALDKNDEPLRKCLLWMDARSASQTEQIMAE CRGDPALLV
NCGGEGPISAEWMPKALWIRQNEPSVWENAKTICEYQDFINFKLTGEMCASSCNAATRW
HWDGEECLKAATQENKYPGKPI SLYEKLGIPELANKLPLKCI PMGGSVGRLTKEAAQHLN
LPEGTPVAQGGPDADFVGMVGLGCTKPGQLCLITGSSHLHC VVSSTSSTAPGTWGAYKGAP
LPGTCFAEGGQSSTGSIIRWARNILGESDREYKELDQDAAEIPPGCEGLVALETFQGSRT
PVT DPLQRGALLGLTSLHTRAHIWRALMESVCFGTRACLEGIEKAGHGCNEIVIAGGATR
SDLWLQMHADVTGKPVVVCEFADAPLLGCAILASVNAGVHANVDEAIDCMVRKAKRVVPS
EAASKAYDKLYKSVYSKVGSA TRPVAHSIAAFSRGGHVSVPSEGTDARIPKVPTI SPSSL
ASDWS DIRGEIQRCLNAGANRLHVDIFDGVFIDSPHALTFGPQMVEAMRRC SNNDTVLDL
HICVDRPARYISAKEAGNTFIFMWEAAKDAEAALEIARQVAESGMDCGISINPSTPVED
IFP LLESGLIDVVDVLAVEPGF GGQRFQDSAIKKIEILRRFRDNRGETNDQRCFQIMVDG
GINQDTAKLT TDADILVAGSFLFNKQYIQDGMSEIEASFATIP

>comp14017_c0_seq1; 350 175 1020 LEN=1750; translated
MPHVELPSAVFKVVMLGETFTGKTSVLVRF AEGRYRDS SSSDPTVGASFITKRLTVQGVTA
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AMCATKCDLDRDPDTSQAELAAQTGSIFMKTSSKTNSNVQLLFQKVMERVL DCHNGVGS
TSSPPAPPTTELNDGTNNTSIDKGTGAGSQNEATAQKSSGRFSDEKKMELEDNDDVV
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>comp14018_c0_seq1; 720 1 1833 LEN=2019; translated
CSSKVRPQALIRRSYIDSLPKSTLRRHAKFKKTYEKAKEAMAGKIDMEDEKESTRENGAR
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NNGGDKQLHTGGDEEKVDDKTDLSPLKRGDADHKDTASREERDDEDGTNDMKTETGGENS
KVKDGINGIEHNNDGTNNDLETSSENDGRESSVKMKQGDGNESSQGAPSSSSPSTNEPMGD

TPSDKKNNTTTTNIYDSLKYIMVRNDGKPESLIKLVALKSLFSRQLPKMPRTYIARLVFD
RRHTSLVILNDDPATKDTDEEVIGSICYRAFPEMRF AEIAFCAVNASHQVKGYGTKLMNL
VKKEGARTGIEYFITYADNYAIGYFKKQGFTKSI SMPKGRYQGLIKEYDGGTMMECYVHP
SIDFTRIP EMLAAQREFILSRIRLKAQSHKVVYDPLPKNWKPKLEGASRGNEAAARALAV
PGMIEAGWTMADLMAATGQGKDLDRAKNQLKSELLAIVRKVEEQQFSWPFREPVD TNEVK
DYLDI IKQPIDLQ TIDKRIRKGDHYKSKMLYADLMLMVNNCKLYNLEASTYVHCAVNLE
RFLKNLFASK

>comp14019_c0_seq1; 326 203 1144 LEN=1262; translated
MNTIETTPDIEFNMYEGIKPSENWELDCYSRPVLTAGGKKLWEVLITDSTGSFRFCKTLP
SNKVN SKEVRQTVEDLMEDPNIDLK PSTIRFFRGAMFNMINIALNELDVVGRPSRCTNSI
AQWLEERHRDVYPNMEGYRAQMVGSGLASGGPSFLNVRTPVKMPDSL RGEKYAFVALPL
AELLPGGSITSENIGVGR LCP IPENLSGDMPPADTFVQGI VILTQRPDALAAWLAGTELA
SMSCDLRKRNVIMETDIDTRYLMARLNDQQREEGVAFEEGKDALDGLHFVCVQRDEDDDD
AGFWLMRDLPSGI

>comp14019_c0_seq2; 220 203 616 LEN=1562; translated
MNTIETTPDIEFNMYEGIKPSENWELDCYSRPVLTAGGKKLWEVLITDSTGSFRFCKTLP
SNKVN SKEVRQTVEDLMEDPNIDLK PSTIRFFRGAMFNMINIALNELDVVGRPSRCTNSI
AQWLEERHRDVYPNMEG

>comp14020_c0_seq1; 788 105 2177 LEN=2454; translated
MTDNVAELAEATKKMSPDRSGSASENGDETTSTKDTTDTDSYV VETATSSDET KSGDND
DGDDVKSEAEDDTRTQEEKDEEAKEKEKEKEKQRIKELEIKYKDWPLHDIKEPHDHDV MYG
RGGGTNHHPGNKRYRKMVEDRKVKYVNSKRLDKPLVALEI KEWRAQWPPGRFLKQDEAT
GLWNDVGEKKAREKTSQALREKAPQIRKQEEEEKNEESASNGDANAEGTAAKGNKKGKVK
RPDIVRRDHTFGREYLGKGESLDIEGFTWVKDSGGREMSIGSLGSLPGI VLPGRSSSRG
SIGPPFAQQPPPDYHGRVASGEPREFSTSSIQSWGSSSFQQFP GAPP P P P P P P P P P P
GSFTFPVPPSPRGARHQ RSGSWNAGGSGREHSFSLNPLPGAIVNRPAPSATFDSRGS GF
NQPPPPPPPLVTHPGFGYQQSGDSMGTMGGHYRQVP SPANSNTSSPPFNTMNINRSWSDGG
GPPPPRDFGHPNYPYPPQYDPQAYTGADTSPSRGQQSNHNDALPRPGMVKRDTSNQNET
FESKPHKLRATLSRDQSATS NRLKQQYAPEVFNRDMQAIQKT TEDIRLGSPVPEAANLE
PLSMDGRTT SIDFLEPGDLKPQHLTRGARETSLGVFGFNDLIGDSSNPLNNSNDVD TDKK
PPSKPAPLQEASRANSLYELGFDDLIDDR

>comp14020_c0_seq2; 623 105 2274 LEN=2551; translated
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GLWNDVGEKKAREKTSQALREKAPQIRKQEEEEKNEVXQKQNM IYLFEDSAHXAMNNTFI
AVFVSAXFMESASNGDANAEGTAAKGNKKGKVKRPDIVRRDHTFGREYLGKGESLDIEG
FTWVKDSGGREMSIGSLGSLPGI VLPGRSSSRG SIGPPFAQQPPPDYHGRVASGEPREF
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GREHSFSLNPLPGAIVNRPAPSATFDSRGS GFVWNP P P P P P P P P P P P P P P P P
GGHYRQVP SPANSNTSSPPFNTMNINRSWSDGGGPPPPRDFGHPNYPYPPQYDPQAYTG
ADTSPSRGQQSNHNDALPRPGMVKRDTSNQNETFESKPHKLRATLSRDQSATS NRLKQQ
YAPEVFNRDMQAIQKT TEDIRLGSPVPEAANLEPLSMDGRTT SIDFLEPGDLKPQHLTRG
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DR

>comp14021_c0_seq1; 1171 93 1727 LEN=1896; translated
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SGDDQVKALLLTLQTNLSMCMCFKLGKHRQSRDVAGKCLEIDPHHV KARYRRAVAHRKLG
SEEAVADLRAALATDPANASVRKELAAIQKELQRAKKAQKDSLRRAFSKGGLLND DRVED
EAAKAERLAKEAREEAALKKRKQK WEDDCVARMARGEDAIGYEDWDKEQTEKEKAE EEE
ATRKRKEDEKRRKEERRKAKAARKAAQADSDDDEDDTTFTEKELAE MRGYKKTADGRITSY
FSREQSEEEKAMLDIAPKPI SDCTPQPI TPSSSAGEGGAARGSSWNHAGT WEEKDTTEW
CKTRLETRLSETKVEASGSDGHLCCSVTKVKDITGDASVAVVSGKKRYIFDFHCKV VFE
IKEESTGDVIAKATLNLDPICSTHHELEVENAGWKKAPSENQEVANDCRSRIVSEIRE
SVKLLW

>comp14021_c0_seq2; 1149 93 2009 LEN=2178; translated
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SGDDQVKALLLTLQTNLSMCMCFKLGKHRQSRDVAGKCLEIDPHHV KARYRRAVAHRKLG

SEEAVADLRAALATDPANASVRKELAAIQKELQRAKKAQKDSLRRAFSKGGLLNDDRVED
EAAKAERLAKEAREKEAALKKRKQKWEDDCVARMARGEDAIGYEDWDKEQTEKEKAAEEE
ATRKRKEDEKRRKEERRKAKAARKAAQADSDDDEDDTFTEKELAEMRGYKKTADGRITSY
FSREQSEEEKAMLDIAPKPI SDCTPQPITPSSSAGEGGGAARGSSWNHAGTWCVVVSEAC
VCVCACVFVFCVFNPNVLFEARAWDSKRSKCEDPVRSLVVLVLSRHRIDXAAGVIHFAM
WSFLTTAFFALGLHPKRYNGPHPSVWEEKDTTEWCKTRLETRLSETKVEASGSDGDHLCC
SVTKVKDITGDASVAVVSGKKRYIFDFHCKVVFEIKEESTGDVIAKATLNLDPICSTHHD
ELEVENAGWKKAPSENQEVANDCRSRIVSEIRESVKLW

>comp14022_c0_seq1; 753 1 2715 LEN=3271; translated
QQQGLIGSHVGDGNNQAEGDDGIASKAAMEKVVDSNGNERSLAELTLHANLQPQELWANV
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LPNPPTLERLEEISDIIARIQNMHQRESLAVHISQDDCYLKSILSLFPPAEAKQDLCSL
TRLAACVKNILLNNDPSILESVNDELVFEDICTTLEYDPDLRDKANHRWFLRERAKFRT
VALMEDEELIGAIHRSFRVNYLKDITLLRPTMDESSLSTLSSLQTFTHADVVKGVTMSPFE
SDDRGLDRLRDSYLAKVIRILGHEMDNICDLEWRELENLEAGKDVHFI IAKREQEESSSDQ
STIIASGKYPESQKMSTIWKQHLAPQDNSTISRRIRRRGSLSLFLRELFNMVRI SLHQTDK
DDFFAVLVSMEVDLSYPENELAAGLKDGTASQGTARPINFLLLLATVLSDPETDVTDKGL
VLEIIAGIAMHDP SLIRKCLEFYASCKNNQGGVGLSRPRPNGKRQVIFQCPPNDLLASL
LFLLLAIE TDAGLLLQVSEIMRI ILDTDVVGENRPMNAGFADEAEGIPPSGGHNPPHDQHP
NPNNGSNTTSTEQNQFLSAFYDHYVQWLAAPFYAILFPLLRFP TAVFTGQTKSRIADKM
FERFERGDYQDEPMLHKVPFSALRSSF AVELLSFCVRAHQYRMKMYLLRSRVLGNVLI
RPSLPRNTSGDRCLKLAALRFLRAVLSVEEDLYHRHI IQDDLFGPVFEAFRANPVGDNL
VSSSIVEMCDFINSKNTNSLIEYIVTKHIFATGAEAPVPSLEDVSSPYVSTLTCLRQSYE
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DDDE

>comp14023_c0_seq1; 292 102 857 LEN=2366; translated
MKVFENHHRRLSSILLLLWILRSFALSTASDNEDIAPSLSPIFLTKINYDRLTAGKTVFI
KWAAPWCGHSQELAPAWDRIVERANDSRNSFHPVLIAEVDCSQEQEWCIEMGYTAYPTLT
YGDGSVGIFLKRYSVNKEFEDLYQFYEDKLLGKSFCTPGNLAACGDSQDRIRQYSK
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KKAQKKPTSDA

>comp14024_c0_seq1; 1094 332 2923 LEN=3154; translated
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SGLGFKVKGLNKNKNYHNHSTKNIAAVPDEIEALSFPDLRASDNNSPVSILEENSHSFT
VQFDPDNGVIPVVEEKSDSATVFFDEASNDGSI FTDSKQDKCDEEDNRSLKPPSLADMN
SYNGEEKERDASDSSSRNYLNEDADAATWKADEVDTFLDAEDFGDSSGRSPMLEISGINL
VTERDRYVNELQETNHLMFVFNALVLIQKQRDWIAGSLVTAKGASKGASNLIMMELSNLER
KIKLLMDHKWPNELEKQKIDPLTPSKAFFKSMALIDRSIEQFHKGYLECMSNTGEEN
HELRARVEELLALNDTLQKEASRSKQKTETIRNLQKERDELTRMDRTDEKLASLLPNDE
SESSTPKSKFLSVKSYIERLEAERERHFAEIRQLKDTMESTPVDSFTKGGDTQEENARAS
ERSTLSALDKLADETI SIDEVLSVSDISDSENRLNDETDVLRDDLGSKWHTLQENEDAM
ALVASKENEVNLKSKAVSDQGC SIESLRSECKLMRVQLELEETNRNEYKYQCEVKDAALA
ISQDRISTLEEQVLGAHAQCAMYE EEELEAMKESFSPENAA TKQEFFHSGDEVKSQLERIQ
TQFEEELSKKELKEVEEDRERLVRDLKSSMKEVEVERDNLRAELIRKNNASPRLPPLP
PPIADTFKDEKKEADEDVLLPGHIDFERMQSRFAEKASKQANTIALLTEQNEIKDEQVKA
LQEMI ESMLGNNKSEFRPEDKNRWGQRFSNLRAKSQRASDLLNRSRHHGGSTHGSRHGGS
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>comp14025_c0_seq1; 461 68 1511 LEN=2104; translated
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LFAPKSKFEMILDYSLLLWWMFMAVI IQTRAKGIAGDGKGQYNIYFSSWCCFCICATSIVES
KMMERDWP SIKEFIKSWPHRAPGWIAILLSDFFALWVYVDIYTAYDMNPNSRSEEDANPK
LEAYYGSIDDRQYELLVFLAAATLLPSAVFVMEIFRVSSDDKKNVEKYIEAFCLLVLA
FVWIPAVCFATTPGGFAAVSPIENSLQASFN TAILLISCVFQTPNTANRKQLVLYMGYVF
FGDGNATLVVSDSRESLHETILEKEQEYQKHQTKVLETAHEIMGESSDDGDESDDENGQ
DSL RVTLLEDPPKAPKRQTVTFEMKDVSDDDQSLDSSIKQEIREKETNRNAYFDLDDILE

>comp14025_c0_seq2; 482 68 1426 LEN=2019; translated
MLAAANPKGPDSSATNDTKNDEIADGETSGGNDSTRQKEKKLYKSPRFTGYLIMFLSSV
INYHGVFVSQSIDDVHVIASSSVQRQFGFVAVVSCITSGFCVACHLDTYSCLANIWKNK
LFAPKSKFEMILDYSLLLWWMFMAVI IQTRAKGIAGDGKGQYNIYFSSWCCFCICATSIVES

KMMERDWPSIKEFIKSWPHRAPGWIAILLSDFFALWWYVDIYTAYDMNPNSRSEEDANPK
LEAYYGSIDDRQYELLVFLAAATLLPSAVFVMEIFRVSSDDKKNVEKYIEAFCLLVLA
FVWIPAVCFATTPGGFAAQIGNSWFFTWTGTCFLVMETLLWFVSDSRESLHETILEKEQEY
QKHQTKVLETAHEIMGESSDDGDESDEENGQDSLRTLEDPKAPKRQTVTFEMKDVSD
DDQSLDDSIKQEIREKETNRNAYFDTLDDILE
>comp14026_c0_seq1; 468 50 1411 LEN=1623; translated
MITFKARFTFCLVFI SLATSLSQSWFLHVESFVEPGTRRHYSRSAWIAAPSIRGNPCLY
SKYGNITIVKTNEFDPHWDPLWVTGRRESIAQMSMAAMLVGFPWDARASSTTQSQAGTQS
SNSASNKSTPKDRLLDPELSAAVQQLFDLDASNRLVPGKDYVIDVQGAFRKSSGGNGTEG
ANDAAPGLFRYVDPVAFVDRPTYQLFLALLDNYQSNVCSPEDDTKAEQEEAQAFLRACM
ATPAMQFCYRCSRSLAAEAAAAEVAGGDGTANTPAAKKVSFDTEEDFLRLLYKIWFRMY
SRSKCEDEDHNKINGSSGFEHVFGVETRNGKVI GFHNWIIQIYSQEKLGNVDYRGSIAK GK
TTSNTNSSRILTYNLRWNGAEKYVGTSTF IGVSPEFELALYTMVFLVGKKNIVRLNLSQ
SSAERSEIADLDVKCFKTKGKVGSSYVESIATL
>comp14027_c0_seq1; 626 196 1746 LEN=1988; translated
MPAPTSSTTASRSDPSISSTPTASFHIVATTFVLGTICLALLVLPRASSFSLSPSQSHGL
SSRSTESNDRTPTISSLSFQSSTAVGTETDNSSTLLMKEQAGGNSMNRRRRQRIRNSNAG
TDNAGTNGDENSSSAIFENVPKEEDLPDPVVPFVSVSSIKLVDPDDSGDDSDVRVELRLC
PDDSSPGDVVVIDPRDLHQTSDFELWMMARKNLVDVSASQLSVVLGTNYFTSREKLLQDK
TKARVADLEKDDSIDGAIALDKEDPTGTAENNSKSNKACAWGIRMEPLAFAQYSDVMT
RDNNDGDGDDVEGGYQNNRVVETGMHLLRHTDPATKKTIFGASPDGMVTEESRDS DATE
SQTSVGLLEIKSLWGRRHKGSLEFHFHGCPKRFYDQIQGQMAICKEWCDLMLFIPPSGGT
GGGGGKKNKRKGS AKKRKKQAAAAAARNTNARKNRGRNYFIIRVKRNEKYWNETVLP A
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>comp14028_c1_seq1; 214 323 1106 LEN=1106; minus strand; translated
MWCSLFRFVLPCLALPCLAFQLAVATVLPDVP HGGDQVVDLQCRSRDLRVGVPGLAVAT
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VLVPVEWKLKVVVKDAESLVVLXHGTHGHTVQAMDDVQSKRKNPGARRKPTTAGATEKQ
MAKQPQLFGIAKHAIRSNKGTAKTQRNKTRGKTRSCDTHHSSLLDDPEQIKSLQGGGL
SSLASCRQLGQLLPVFAAQDSP
>comp14028_c1_seq2; 305 1 907 LEN=1289; translated
FGVDGKGLEQTHSLTHVHNXSVVEESPATTLAGSEIAIPVQVSFQKSSTSSLPHIARRRSM
PFLLANGLRGAASATRAFRPSSPTTLAFAAAVLSLSTGSSTATMADAMPVGVPKRMHL
TPLMKDSASWLSTASLVPIDFSPGIGDLVTEADQTVTGKEAVAANSKGAXEHLRGPQA
RDDEGLRVFHGDHFKFPLYR DENLDFYRAF GDGKITDHLSSW SLLNPKIYKGMKGMNKR
MKS KGLEGNLVGEGLKTGGIIVFGSDGEPYAYPEVTGSALEVDDLVAAVRDVRENGGDG
EL
>comp14028_c1_seq3; 313 1 1028 LEN=1410; translated
FGVDGKGLEQTHSLTHVHNXSVVEESPATTLAGSEIAIPVQVSFQKSSTSSLPHIARRRSM
PFLLANGLRGAASATRAFRPSSPTTLAFAAAVLSLSTGSSTATMADAMPVGVPKRMHL
TPLMKDSASWLSTASLVPIDFSPGIGDLVTEADQTVTGKEAVAANSKGAXEHLRGPQA
RGVLCREHGQQLSELAATGEGGEASPLEGFDFLFGVVKETGVDDGLRVFHGDHFKFPLYR
DENLDFYRAF GDGKITDHLSSW SLLNPKIYKGMKGMNKR M KSKGLEGNLVGEGLKTGGI
IVFGSDGEPYAYPEVTGSALEVDDLVAAVRDVRENGGDGEL
>comp14029_c0_seq1; 443 200 1366 LEN=1508; translated
MSHDSVRNSGYSASSVNAIGVADALSSGATTSHPKSKSWIVDFDGTCTERDTTPLLRL
ACIVQSQQQQHATEEVPSTPEKHGLSLWNQRATADWKQREPVFAELEGEYFRRYVDVMK
SIQSESFERGPDQTEQQQSELLQLLETSLDRLDGVSTEITGLVTESEVLRGLGGVTHLEL
LRSIQAHGDEMAGSSSEGTEESLSEILRLREGCLPVLRRCAQRHGIGVLSINWCPALIR
AVLVHPLCSGNDQGAGPPALEDVPPVWSNSVDHRGAVSLSVPGAI AKKEQILRLQTPTEPE
SKATTTTEPATVVYVGDSSSTDLLALI QADVGILIGRSESTMGLASRFGVVLRLPLREFCKD
GDEIDSNDAVVWTTSDWDEIGSFLDRFL
>comp14030_c0_seq1; 913 90 3422 LEN=3482; translated
MTGTENSSQOEWIFSLALPSTIDSNRVTGEFDTGQPQRCVELISIQNDSGPVGANFQSV
ETKNERDDQSSSTEAAAGETA KDCEIKSLLDDEFEDSHDRKLPRAKGNEDDNIYFDGAR
SSSCWKFYSSVHGLALQSSTLLRLSYRPAWQSIPEFTNNKRKRAIYNALMSCCQCEGLE
EEQIWEVYSTEDIHKTEKLT TIRGIGSCAIRIYLKPLGDTDL DAMVTPRK FQTSLDLH
RQRMNGQQEGSWSRFT EPVDNLPDGNFIVLTF AVPLDSNVCGHNHDPPLLWKVDVPPHW
SGNSMTLDTITVLDGSVDLSE PATAVYVEGYQSWFSGSIWKGD PQPTSAMPNVFSRAFN
LGGCLPMPPTLLPASGWQTNVCNPELFESSSPKPKKHRYKSDFFACVTTARDGIMD

EHGGPALVCGWLSQHKQFGVVSIDDR LKNVTMHAHADAMVNSRVSTDWAYAQLITPHRYD
EPMVHYLHAAAHNQAKPLQNGPLLTGWCSWYHYENITEENLRSNFNRLSTMKHQVPT
NMAMVDDGYMTAWGDWDSLKPGKFTTMDVVAGDIASSGMKPLWMAFPTADKHSKIAKDH
PEWIKNDKGYPANSNCGKFFYGLDATNPQVRAHVSRIRRAVEDWGFRVLKIDFLYAA
CLEGNGKYDMSMTRAEAMHLALQTI REAAGPDVFLIGCGCPMASGIGYIDGMRVSADTGP
TWYPELPLPWWDNGLTSLRGMIRNSLSRAPMGHRWWQNDPDCLLLGDSTKLTNAEVASA
ASIAMTCGMLLVSDDLTKVSPDRMKILSRIFPMTGVSGVLDLHTTKDKGMPSLIRLWC
TDRYRNLERYSSESFRLSMREGDFSAEATYFGQOSAFVQNKSF DARERSRSCIHVAKGM
GTWTVISLSNWSQPRYMHIRLAICSPSETGWGARDADTLKCTENTGGYHVFSAWGR
YKYLKSKSGNDPHPI TRHLLAHETEIFHIRKVTPSKPQYVGSDIHFSCGHEVLSFET
SSSSSEENRVTI RLKTELKRAGHVYLFVVDTS HVKVS MAGKATRWNVICNVPDDQEGL
VSHCCGRVVRVMVVVDADQSENDGKIVIDY

>comp14031_c0_seq1; 496 120 1784 LEN=1961; translated
MGKTRTATRIKQKVKGKSHNKSEDLTRLTEQYNVFTKRLQGLVSALVNQHVAMQQLAKA
KFQVAQHLAILSKETVLFETTGTSGADRPSDSVNSYFSVQEGVANKTKMYADKYKQYV
DYAQEWYKTIITDRVGEDLKAKEIRLELDHYQSKVESLRQSANATMAKKGQVDGKASEKL
TRNEDKLIKIKETSSKFINDLCLLMEEITERSWRDLHPLLIKCSQFETQVSGDLAKAMAS
LNQVVSALKKIASDNGIKEQHRLKDLGLDHPVLSSTRSKDDGRNSAIENGFSGLALGSSA
SLSIISTGTGDNDSQYFPPGSTSGQGLGGFPVRIQPEASNGPDQSTASAATNAAPSTMSM
MNINAAPAPMTMDTMAQAFGNAGALNGGIFGTAPNSGNSFGAPAPPPSSAPPPPPPTPP
STSFGGGYNGFGTASPAPTPNSYGAAPQYGAAPSPMGGAYGSGYTQQPPTPQSTA
GSFSQQPSPMATGANYAQEHSQMGGVNYAQQHSSMAAGGANFSQQPSMYSNQYGRSA
PSYGRGTNPANPFG

>comp14032_c0_seq1; 266 336 1540 LEN=1842; translated
MTAVAGDTNLFGRGIPNGNGNDDRNEGEKSIGISGYQSDYSDDNREQPQLRYGHGESFFF
TRFQSPARIRRAFDAVRSRSSHFHFEKDGKGRKGVSTTKLGGDYVLAESEQVAVDCSTED
VLRAYLSGDLQVKWSDGDLETSFTKCRKQPSDRCGPDRGSGEFDAHLPRGTPKPKRRNFR
TRVMSSFDRTSNIDADS DGKKTTSYVLEKTQSNTSSDTNVNYSAA SENNGSDDKDKRSNG
DEKRDWHFYRQDLLLKSQRVLFGHTGTMRYQQIVEIDKIGKDNYSALVRLKPNAKEKNG
GTQIPTTTAKKPFESLHVYVGLAQAGSDVKIYAAGVFEVNRKVVPKIIVFDTS GFAGSLA
GKGXTMALVLLRTFCPQTKLEQRKTKATMAHGAYASTAAAP

>comp14033_c0_seq1; 666 97 1515 LEN=1604; translated
MTLLS IASRTYSRRALTSVAAAASSSPSFGSRFYSGSSDQVDHFVSGWDTDEV D KYKDTKK
YCTQTFNKISEVGLSVF SKDLYDVL PNE SADGRPAHALMLRSHKLKEEEVTASVRAIARC
GAGTNNIPVPRMTELGI PVFNTPGANANAVKELVLCGLLMGSRRVIDGINHMKDLGTQGL
QRERVEKDKAMFGGREIKGKTLAVIGLGHIGASTAADAHALGMNLVGYDPGLSVESAMKL
PGNLKLADSITS AVANADYISLNI PYTKGTHGII GQTI LRHCKPDAVILNFARGELVDSE
AMKEFLDQSEGAKYISDFPDDLWDHSNAI VIPHLGASTGEAEDSAAAMAAETLRRLYLED
GTVRHSVNF PDASL PARS PDHIRMTVVNQNPQGV LSSITEVF AKHNLNIVQQINHSRDDI
AYTVIDIEADENADFKAMQQELTMSDGV LSSRVLFGLPGAGYSRNIDGEYHA

>comp14033_c0_seq3; 403 97 882 LEN=905; translated
MTLLS IASRTYSRRALTSVAAAASSSPSFGSRFYSGSSDQVDHFVSGWDTDEV D KYKDTKK
YCTQTFNKISEVGLSVF SKDLYDVL PNE SADGRPAHALMLRSHKLKEEEVTASVRAIARC
GAGTNNIPVPRMTELGI PVFNTPGANANAVKELVLCGLLMGSRRVIDGINHMKDLGTQGL
QRERVEKDKAMFGGREIKGKTLAVIGLGHIGASTAADAHALGMNLVGYDPGLSVESAMKL
PGNLKLADSITS AVANADYIR

>comp14034_c0_seq1; 517 1 1617 LEN=1723; translated
GNGNGNDPDSQQESSVFCTAHGTCVDHFETKAHPCDCPEGHRGIHCEFLRDSVPECTLSC
GGTTLHEDGTVENPMLGGIGTCTLG IKDFESARYADFWEAHDGNFYCKCPPKWF GDNCE
TPGVQCNAHCFNGGTCVESLDQNGETSYACDCRNAGHNWVSWAGQYCENAETASCTGHS
FRDEGSLQQSANGHLFCTNGGTCKDPQNPHLGCDCPSDRFGPSCEF HQEEDDDCSLKCQ
NGMCRAGMKDNKLI AKLKGKMKDFDATHHAELFEHCVC PDDYFGVQCEHKLEICPGGDH
VCLHGSQCIAHGESEDNTLHYTCD CDSAFDALDKYAGKFCQYQSTDICTYNGQPMGRAN
FAFCVNNGLCRGRVYDGEDPPGCDCPEGFTGDHCEYLVDQDIGSFSGNHGDFNGGSSLA
PDPASSNEMQNAFLKKNL LVVGLSAVVILLVAVFIGIILKTL LCPGYQDECTNDVQAAL
DEEESSPTAASSKSKHSTSRFPQSFGSGLSDVDIVDYVNNNRSVL TEKEMSNVQV

>comp14034_c0_seq2; 357 1 1444 LEN=1550; translated
XPFSVLHFHSTFWPLPTPGFGTFVIPPNIYGDARIHQTKL NESHHTRASQKCPPKWF GD
NCETPGVQCGNAHCFNGGTCVESLDQNGETSYACDCRNAGHNWVSWAGQYCENAETASCT
GHSFRDEGSLQQSANGHLFCTNGGTCKDPQNPHLGCDCPSDRFGPSCEF HQEEDDDCSL

KCQNGGMCragmKDNKLIakLgKGMKDFDATHHAELFEHCVCpDDYFGVQCEHKLEICPG
GDHVCLHGsqCIAHGESEDNTLHYTCDCDSAFDALDKYAGKFCQYQSTDICTYNGQPgmG
RANFAFCVnnglCRGRVYDGEDPPGCDCEGFTGDHCEYLVDQDIGSfSGNHGDFNGGS
SLAPDPASSNEMQNAFLKkHNLVGLSAVvILLVAVFIGIILKTLlCPGYQDECTNDVQ
AALDEEESSPTAASSKSKHSTSRFPQSFSGDLEDVDIVDYVNNNRsvLteKEMSNVQV
V

>comp14035_c0_seq1; 442 112 1113 LEN=1261; translated
MANYGPNDGplGTAPDISIGASDALLLGVsfAGFLALAVSVYSIVLTKLkTSREllEEEE
EREISYDERLAKADVSTLNRAQRARARHIMKQQRrvAPhPHhGPPAEEDeGRGgREll
LEQEGEAPFAEPVPAFRDETHHSTAQNLLSRKERQKAQVELQERRllEEDRRREQKLA
QEAAMQRKKERERKRVLEAEQGRKEREERRAEELegYRAWKVFLEDGETILTvgEWIRE
LREHRVvGLKDLAERFRIGEAAVRNRIREllEESRVSGVLEESPAQEGGGSdSVFVYlSP
QEMATLASyVKGRDTTtakELAArIEELVAPTQ

>comp14036_c0_seq1; 429 132 1400 LEN=1882; translated
MVPLCLLFCLVVESTTSLPQFDKDSLLWSQSPMFPslPTTIVEYSQNIHRAVtNDDCSAS
TIHRRDSVESfLSDLSLDNMYGTHPILTKSHSKRDSSYTKSWTDADWKLhQVksYERYS
RHIRSWfSSPTFFSVLPTLISSfLWTLSCIFAVRVNLINNFVKQAPfSHSISsFTSPISI
LLALKTNrSLNRLFearsVWGKMIRVCTSLAGMTVNYISPIDQELGILMGRYLAafGwCM
KGKLRGEDDSLVLRLTLPSSEMqWIEtCSNAVGGISDNPSAIIFRLRSIVAKITngSEGR
LSIAASQVMEQRLGELESSVgICKKIVASPIPTFTRMTSRVLCLFLGFLPLALVSSGMQ
SPVAILVIVTFLSYIFVgIDEIGVEVEYpFPLlPMYSLASNLKSGVGNQfRLMEEMRTGg
VL

>comp14037_c0_seq1; 540 1 1981 LEN=1981; translated
XGTSKQHVAYDYAKRLQAGIDGLLPCTIRQLERlllllPIPNWETTRRRFPENLSfCQllN
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LEARPLPWRKSNESSGSDAEQEPKPFVLSFLAANLPAIGAKVFRIRKQQRtlQHQRllNY
HTTKQSSemiPlGNrSEQTESQEQHQKDGLEeISNGQfSVLLDSKSGTIRrIGTQDIETL
STWGYyTSYDKARDGNLRDDKGSQNSGAYVFRPSTPNQELKVVSPVNATVVrTALGMEVH
TEYETPWIQTITRIFTGIPWVEIEYQVGPiPIADGRGKEVVTRYNTMVRNNATfYTDsNG
REFMERRRNRrPTWDLTVFEPiAGNYYPVNTAIYVDEVRNDKENSGRHRKSNDRAKSVPA
FAVVTDrsQGGGSIRDGTLELMVHRRTLADdGRGVGEPINETSSGITPCPPYGNATrLGG
GLVIRGKHrIVVENNLGGCRQVSCGGVGGARLARSVMDSsFADPLVfVGSAPSSlVDDTG
VLFGTTSfSGLETSLPKNVMLITRQIVYNEDSEATQGQPTTfLVRLGHQYGRGEDPDLsr
PVDVDLAVLFPGRKLTmVQETTLsgNRNIEKWRKDRFDWQGSSTRMAHPSTRMANESTAG
G

>comp14038_c1_seq1; 255 1 1175 LEN=1401; translated
XKKQLFVNVRSLRTLSTSGEQDATMVLVPARNTAILFLAVALALCNTfSFDGPRFIVSAD
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FSLIFPTQYGDFTAYCVRERAPVWADRvYKLAKHGYYNGNYFFRVIpGryIQFGTSGDPA
VSNVYNYTSTTDPECSVLrPQPpDMPYCLASSSSSHPHDCTGVPALSNDfGTLAMSTSYK
QGVPgYpDgVTWnATAELFINIGQNHFLDSNLfIPiCTIDPVAMEEVlRfPsfGEVSEL
GGNGPSlGLLYQDGNPYIEsNPEWNASMAVTSIVSVCTAPGIPTKDEMEAKSDRASARSI
GTKHGRSRLSWIASIAWKGVAVWLISLIVLN

>comp14039_c0_seq1; 318 57 878 LEN=1326; translated
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>comp14040_c0_seq1; 577 136 1419 LEN=1578; translated
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EGGNEAQQfSRDCWgIFENEDSNGNVSGSGGITRVIQRGSIIeKGACsFTLLKNGKLTAE
RAASVRGRQGPENNDGINIQEGDNYCAAALSMVLHTRSPMVPTFRSDVRIflVesssSES
DEKKAVAWfGGGSDlTPYYLFDedISFFHQRLKELCETHSDGDAMIDYPTMKQACDDYfF
LpARSEHRGVGGMfYDDLPAAPSTLSfSKDVASNwMSWfPIVQKRQSLPYTEQQREWQL
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KSPKEWV

>comp14041_c0_seq1; 439 227 2719 LEN=2876; translated
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DWERKPLPVRNVTEKQLTTIDYPRVNSCRKLPPELWVDDFPDADPFLPWIHDVFPDADDGK
FIQFVAQNKRRCQSGTTPDQLEILEKMQPQVSLFQHVVPKRVNVRNSKGAAEIRYKLTSH
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FMCVPVEKLVETVREGTSVIDDWATLFTLVLPVRTPPRYGAPNRFLPPKYQFGEPYDFSA
ATEWGDShVLPRVEDSGRWENIPICLPTYKAYPSVTSPPPEAAPTEEAAGVSLFHSTKNTK
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KIRNDTSVLQTYNCDRQQVKTEKMPAEKQIYRTDYVLQHFVHFSTVTKFTMMGRQETVAA
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>comp14042_c0_seq1; 767 209 2230 LEN=2485; translated
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DDVKEMIASVDVDQFYVGNQVETCALHSAAFNGADRVEFLCAGIDHRDPCLDGGGLCDV
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>comp14043_c0_seq1; 157 114 479 LEN=479; translated
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PD

>comp14043_c0_seq2; 641 1 3027 LEN=3027; translated
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SKNSSLSGVLTDTPKQKQSGASVAGDQLAVSRESSLTAEIYVRADGKKVRRVKKSSLVS
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GFFNSDKTSAPRKKPFSGSHSVAGYADSEIYIRADGKKVRRVRRVKKPSDDDPNSLAGFLD
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KKVRRIRRSALAARKKAENDQGEPSLSAMLSKNEASTKSSSAATVAGDDITGKSSLQRLP
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>comp14044_c0_seq1; 307 263 1045 LEN=1325; translated
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LYDGDGCDVSMEAMMCHGGGLDNMMDRFMDYDELFEYDDEDISEDDDEDNDGHSSMLSN
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QLHRSFVVQERRTPVPFLRD

>comp14045_c0_seq1; 236 163 918 LEN=958; translated
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SLTPLEKQSDIFRTGWSEREFIGLLPNQPVKNIGISIEPLETVRNLADGIGASVMPT
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>comp14045_c0_seq2; 251 350 1126 LEN=1625; translated
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>comp14045_c0_seq3; 251 350 1126 LEN=1596; translated
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>comp14045_c0_seq4; 207 905 1381 LEN=1851; translated
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>comp14045_c0_seq5; 207 905 1381 LEN=1880; translated
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RKPDNYVSGTPNRWKYDTIIINYGFFPSEDFPVICYFKETETPEYKWNRRWFAAFDSYNGGQ
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>comp14046_c0_seq2; 1700 419 7168 LEN=7265; translated
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IMHRLVAHGWIPTPSMELDMVRSRWRLWQESSSSLSAWSKHVYQSADVAMELLSQNVRLV
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GSPVRRITELTI INKKGPCSQFARQRNTNDESNTSATSPALLVAFESTLQSRPLDGRVDD
GSETNYDDYDEEDDIDNFSKGRKEKEKELEKIMIMQYGNEEECRLYDTETLPIAQAVSR
SLWPTRHQELKLRVDAIDHKKHWYPGSVVEILENDPANGEVGQDETQVKIHFDFSSK
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PRCKDFRPGAKQNLVWLQLPDILTIHMKFRSSQKWREKITTKVNFPLTGLDMRKWCHQE
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>comp14047_c0_seq1; 186 388 1174 LEN=1693; translated

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YNCIRGIEDMCIQDNAVRQRHIAEKKYSFKVIRDEQGRQKELQLKQEQKYDRTTIDKTK
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NLLRWYHSSLGRVPNESCEEK

>comp14048_c0_seq1; 443 1 1297 LEN=1652; translated
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ESNKFISERFDLKGSTVGREVSQEELRTKGSMAVLKDLDLKREVD AVEKENQRLLMVEAN
RRVLVGGVGPLRRLWQRTNAGRQKSHDKADHAGFTIGATAKAALLSQLRKDVDFLKECR
VMDYSLLVGVVHRDDASATTGSGRAAAVELSPDVVQTI RQRDRILERLEGPASSSSSFP
GARTAPKLD SWVFHTLTTPVRL LASPPVYVAR KSWKILRRTLDSIATAPMPY YGSGHCGV
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>comp14049_c0_seq1; 444 83 2531 LEN=3379; translated
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TLLHDRETI ERAATFWYRCGPMVAHYKFTKWWLKASGAPLEHRDAVYKTLHDKYAPTAYS
VALDLKGLYVKKLQVASSRPFVPGQYLELFVKAQDSL PWP IEDVTAI INKTLSQLNDK
HNTNNAADNNMHYSYESVFEDIDEIGSDPSIGQCHRARIRKEYAQELLQRTNAPVGSSTA
GTVDVAVKVMHPGSEERFRHDFKVFWRWLCRVALKGWEPILDECYRQIMSEFDYQREAGSL
DAIRTNMSKSPFHESIKVPKPVGLCGKELLVMELLDGPKLSDSLEGELAEILGEEKSKQ
LLERKRLELILGPDKLKALESLPSSSNGSEAPTREAIT EASLLKDCGLKTKLRLFSLYKR
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IDYGGTKAITDEERLGVARVILALAEASDDEDIAGSSIASVGRVETIAKAMRDLGFETKR
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>comp14050_c0_seq1; 473 1 1886 LEN=2071; translated
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GIVRLFHWKSGSSIRSTRRWLVGDPM TGRNKADRFGTHVAISRTERIAIATS RMKTT
SNDEC GGVPQAGYIGVYERQSWNSWGQPVNSTIPIREVHSDMLPIFALNDHGSMVATVI
SKNSIKVFLDGSFPCGFPVSETLGSADSGAIDPEVSDLN IWLGRQICRENDSL VVNESAC
SEQQVFRGNYKSCSWRDIPIFHFPAQVQLSKSPSPLSAIAPSLSPSFNPDVISSEAPSLQ
QNRSISVSPSTASTFASAKPSSRISIKSSSHPSRLNIRNDGDGSSVLP SALPTGKTQ GK
PHEIPTGLPF SYHPTREISESPTDISTNERHDESPVVVCHCNIFNTCFDR TISEDSPKL
RICVSVASIMDAKVVSLNSAKLRQEDFSISVVDGAEAIN EDGATKMNC SAMSKCYMETPV
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>comp14051_c0_seq1; 559 377 2161 LEN=2839; translated
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NTSHSRSKRQLFRRRRKP SKTNAVSSPTD TVASDASSSPSRSDPRTQRRRPTPQK LDFD
LVDGAPNARRANHPPELDLQQDQDVPVVEQPKNGKNSTNNAAMKNHGTKTVMIMNGDIVC
NSLNGKTSSETVTIASAVSSISKAKAIRRETERNARAAAALDEKANELFERGYFDRAMAC
YTKALKLKRRTFAHLIEDSDDIEEQLMFRNKEGDTISDPQALVSMATSINNIGYLRQRSG
DATPEETMAAYKSLKIKRRILGNDSL SVGKTLN NIGSVHYLKRDFDKALPAYEEALEIM
KANLGDNHPDVATVMSNIGDVYLAQDDRETSLDFYRKALAIRWEAFGGKSPRVVRLLEKI
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>comp14052_c0_seq1; 257 394 1095 LEN=2643; translated
MELQAATRVMKPKKPKRNMLLTAHIPGSPRTEEHQCLGECEATQNAL KADTECSARTMGE
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>comp14052_c0_seq2; 454 394 1785 LEN=2504; translated
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>comp14053_c0_seq1; 414 90 1388 LEN=1969; translated
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>comp14055_c0_seq1; 244 276 1668 LEN=2177; translated
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>comp14055_c0_seq3; 208 1237 2079 LEN=2588; translated
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FALEGLRMTNQNTSLVYPIIEPSEDGELFVKILQKESLPVEGLDGETLPNSFKNVGFIK
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>comp14055_c0_seq4; 99 276 848 LEN=2746; translated
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>comp14055_c0_seq5; 208 997 1839 LEN=2348; translated
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FALEGLRMTNQNTSLVYPIIEPSEDGELFVKILQKESLPVEGLDGETLPNSFKNVGFIK
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>comp14055_c0_seq6; 172 276 1007 LEN=2358; translated
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>comp14055_c0_seq8; 177 276 984 LEN=2335; translated
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>comp14055_c0_seq10; 201 761 1132 LEN=2483; translated
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>comp14055_c0_seq14; 208 1385 2227 LEN=2736; translated
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>comp14056_c0_seq2; 441 84 1334 LEN=1572; translated
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>comp14057_c0_seq1; 652 109 1881 LEN=2113; translated
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>comp14058_c0_seq2; 789 233 2086 LEN=2086; translated
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L A S P A L L S D M Q S W T L E Q L D N H I N L L Q Q M N Q P V P H S V A I L R A E A E R K M K K K N D K R V A N R K S
A S N S R A R K K A L V E E M T K T N A R L K K Q A M I L A L L P D L V M T T T T D G E I T F C S A Q A E R I L R Y K T
D D L V G A K L Y N L L V P S S R H A L K T L I E E L V H P G K A K A A R A S A A A Q A R R S T K R T I S N Q N K S A D
R N D A N K N R E E N T N E N S N G S A R D S S R N G G N S T D D T S G A A V V S E Q S F P L S V V E V E S K Q Q A Q Q
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N L D R N V R W H N Q R M L E E S N K T D N G P K D D V T G A S V T A N N A S A R L S S L E H C P D A S R T K K R E Q C
P P Y E S A G D Q S S S D S L L A G V E E K K K S E D A S D D S G Y R E S N D S R E E S S S S L S D T S R S N G K S P
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>comp14059_c0_seq1; 495 236 2040 LEN=2040; translated
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D X

>comp14059_c0_seq2; 1967 236 6556 LEN=6737; translated
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>comp14060_c0_seq1; 704 1 1770 LEN=2431; translated
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>comp14061_c0_seq1; 312 411 1192 LEN=1192; translated
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>comp14062_c0_seq1; 1182 141 2228 LEN=2248; translated
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>comp14065_c0_seq1; 2743 268 6327 LEN=6352; translated
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>comp14066_c0_seq1; 254 1 900 LEN=1204; translated
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>comp14070_c0_seq8; 369 68 1038 LEN=1038; translated
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>comp14070_c0_seq11; 358 168 1676 LEN=2632; translated
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>comp14070_c0_seq12; 780 731 3658 LEN=4006; translated
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>comp14071_c0_seq3; 317 423 755 LEN=1447; translated
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>comp14071_c0_seq4; 317 423 755 LEN=1593; translated
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>comp14072_c0_seq1; 537 159 1418 LEN=2235; translated
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>comp14073_c0_seq1; 682 671 2170 LEN=2561; translated
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>comp14073_c0_seq2; 757 168 1907 LEN=2298; translated
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>comp14073_c0_seq3; 778 168 1922 LEN=2313; translated
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>comp14073_c0_seq4; 661 671 2155 LEN=2546; translated
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>comp14074_c0_seq1; 593 444 2189 LEN=2568; translated
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>comp14074_c0_seq2; 571 326 2050 LEN=2429; translated
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>comp14075_c0_seq4; 1452 250 4053 LEN=5398; translated
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C L F Q D M E P S L T L P S N N T S G S G D L N A W A A R E A G E R E T T V E V P R H F F Q S F P W F V S L E S P L P S
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M L D Y C S K K E S S G D K S R D K R N E F W I F Y P L T I A S T G L L V V A V W I Y S Y S V Q R H S R L G R T P D N A
R G R L Q S A K Q N D S T I F F L S D I P C E E D F L F E E N D Q S D S E G E M E D N E S R D L F Y N E P Y F V N P A A
G T D E S E K E S T I R H Y W S I F S K T F G E S A Y T V A F L I C L V G L S S G Q A I V N D L V F L F F E S A L S S S
Y T F M S M T V L L T V F F E I P I F R V A P T L L R T L G T N A L L V V A S L S Y V V R V I G Y S L V P A E M A W V A
L L L E P L H G V T Y A S S Q T A A V D F V S T K L D F S S S D M D C P S K N T P D N G N N R F G S H K T I E N V D S N
R S R G T K S Y P K R S C G N D G K E A T G Q G F L Q F F V G I G S V L G L V L G G Y A E D Y Y G P R V M Y R I S A G V
V S I A C L C F V A V L L C P V G I A A A I N I G T T V P A R T R T H R W G R I R D K T I Q Q T D H D K K R S T Q N G M
N I H N V G K E P V G M T Y L S E S I
>comp14088_c0_seq1; 339 1 1397 LEN=1654; translated
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Q G S L A L S S S N P Y D E E K G P S S L N R D E R G Y V D A L G N P N S M Y N F N N G T V D P N S I E A E E L R N I E
H A L A H Q Q R V R N N K R L E L S T D F L A D L S F F F G S T M Y L W L A V S Q S K D V L F S E D T I G D D S G S G D
K G L F L D D Q V L F S F R G G E S K V T L Y I L Y G F S S G L L M F A S G F L R L F T T A F S P T D K I P C V M M L L
A A F F A M V S S A L M V S Q P V W S N R C Y S I A I H L F A L Q A A T L L L W R T T S P G G L A G V P W T R L V G D C
L F F I A T L G G I A L S Y L V F E A T D R L P F A S E Y L V V F S Y S V W W V S S V V Y L S Q T T C L L I R R E K Q
Q K A S R G T Q I R C G C C H R R R D A E E G G D E G N L Q K S L P Q E D T Q S T N E D G N E V E E H Y Q R H S N G H Q
R I G N E N I G A P D D E Q S V M S L W T A G P G P E N K E Q I A S S S L D N I F G R S T
>comp14089_c0_seq1; 714 329 2251 LEN=2581; translated
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R L F F P P M A C A L I G I V Y V V M G V V E M K A P E A Q L D P P D F R S L R T H S P A Q H A L P K M N P S G A S N T
T A T T N A A S A T T T Q Q Q L D L P K W I T D Y V K W H T E M R A K Y P G K T L F T S K G K D T P K L L V R T C L G I
C G G L H D R L G Q L P W D L Y L A M R T K R V L L I A W Q R P R E L E H F L V P P I N D D G D D I E N S H Q A A A L D
W R V P D C D M F E D Q N C V N F G F K D I R I V R S K V K E L F D D Q L E A N P G E K N F W N V G F E R A M V R A G A
P P S P G A I T S Y F S D S T N T T E V F R K D H R Y T M A K I L R H R L L G H L D E H V L E E R L E R E G Y Y K D E P
H W K P S D L H S A P S F G A I W D L F F R P S Q E V R T E I V G A L S E M N L L A S S S S S S S G L H P V S K L P P T
V D F S A V H C R V R H P K A H Q F G E V V K G N D R Y A P A D K T G L P W I E G G P Q R R F A L E T A H K A L E C A R
E I V G T E V A T S P K P P I Y F L S D S N D L V R H V A E E L V D T S P G G Y V E R H R T N E S W I Y P P L L E V V R
G N G V D G D G P V V A R N T T L E N A H I D K Q K G R K P P D Y Y G T F V D L Y I A M K A R C V V Y G I G F Y A A F A
A K L S G T D C T Y L Y A E E T W G L E K K K S A R V C P N H G Q E Q N G I E A
>comp14090_c0_seq1; 867 87 2459 LEN=2722; translated
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A E T V D R N V F K D Y D G P I V L M G C S S D E G K E I H R L A E S F L S Q Y P D V N K D E G I I S A S P S S D F N
D E K F L S L T S S G K A G K Q P N I V M D F S G L Q A E R T R F V E M A E S V Y A E K G L L S V Y V N V D A S S T
S T M A D D S K D I K S R L E E D V F V K Y S D Y E L C I K N E G T T A Q Q N W E H I E W E L A R L I A R A R L A P A I
P G A S T P S T N T A H L S M G E N T F F L S L S F P E I N Q V E P Y V E E M C V D V D A M E Y R T D L L S C R D S R F
D L I Y G M Q L L R R Y C R P H V V R S P A L P V F G Q V L E D V M P I V Y T V R T E H Q A G T Y P D D E D G I S K M F
D I L E W G L R G G V E C L D V E S A W D K D K T D A L L N R A E E K Y S S Q I L G S H H V V G T E I S T E E A V G L F
Q Q C A L D G R A H G A K V V L S I E S Q D K D K M A H Q A A L L S A S L S A R D G K P V I P N V S L I L G D V G Q F S
R I I N L P F T P V T H E S L P F K A A P G Q L S A S E I M A T R V I T K I V T T K R Y A I L G H N I A Y S V S P Q M Q
G A A F A A A R L P H Q Y G R A D V E T V E E F V E S D F F K D D A F G G C S V T I P H K Q S I I P Y V D V M S D A A S

TIGSVNTLVVQEQLDDAGDSMKRVI FGDNTDWKGI FNPLERKIGVRTTEDEGSGDYALI IG
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>comp14091_c0_seq1; 415 175 1542 LEN=1755; translated
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EQELSVGATVHAIGVNAMANAIALGCENGSIIVHEIVEDYRVKELPSYTCDEGPDVGHTK
PICSVAFAFAPRSNDLIASSSKDGTARVWKGKNCISVLKCSIVDPKAPPPPKNRQKRIQTVM
VRGCAFGLDEGLVYTVASGKRKGAFLSKWGLDEKENQYQCFERTACSDHPVSAMSMSAD
ATTIALGNADGTIYLWDLKWKVAKQFPNVHEFPVTCIAARPYDLPLKGEDKIGIRFNAM
SASADAQLARLTTRQKVPKSAADRNPAGFPLDEWLNWLIKWLVIWLVVSPPLARDAWDQCG
SGSDVVGVAKLKCVKDKVIIAPHSSPGISVPPH

>comp14092_c0_seq1; 797 309 1610 LEN=2021; translated
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RREFYPEYDWEDELPAQAARLFGFSQWEWDNDEPVLAMDTDWPDLSPELQEAAKELGY
DEESWCEEFDEYEDEVQNNWLDEEDWADMPSSVRDAATELGFQATWDRGGRTPHFDKDW
DLTKAQQDAAETLGYNQRTWCDDFFEWEEEEQEVENWTNEDWEDMPADVQEAATVLGFTQR
AWDNDEKIPRFDRDWPDLSEEEKSAALKLGYDEDLWDDYNDYHAANNNGNDFGGEDSYPT
LVGDEWEDLDWEELPPAISSAALVLGFDRESWDNDREPEHFGKTWFELTDEQQKAAITLG
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>comp14092_c0_seq2; 789 229 1584 LEN=1995; translated
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DSETWCIDYDEYENEMEERREFYPEYDWEDELPAQAARLFGFSQWEWDNDEPVLAMDT
DWPDLSPELQEAAKELGYDEESWCEEFDEYEDEVQNNWLDEEDWADMPSSVRDAATELGFQ
QATWDRGGRTPHFDKDWDLTKAQQDAAETLGYNQRTWCDDFFEWEEEEQEVENWTNEDWE
DMPADVQEAATVLGFTQRAWNDDEKIPRFDRDWPDLSEEEKSAALKLGYDEDLWDDYND
YHAANNNGNDFGGEDSYPTLVGDEWEDLDWEELPPAISSAALVLGFDRESWDNDREPEHF
GKTWFELTDEQQKAAITLGDEDSWCDDFGDR

>comp14093_c0_seq1; 600 615 3005 LEN=3068; translated
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LWRKCDYLSHMDTRFANFLSGKEKLSLESAEGCYSEAILNTDDIKVKYAVKAFTDVQTKD
TAYTHGVYVTTGTTKDKTVIYKAGSDHPEELLTLPRNWFEEKGSLYANSNEMLYRPVGR
IPLSPTVQKEDVKCMHWVKSQYQSKLCIDNIDSNDTLYWIHGQLYKEKFEIAKMPGNIMT
APFFHFQEWKRYRKAQLGGFQRNGPFTGFVLTKEGIVPIYSTKTDNKNRQNLNKA
VANT SPLGHSFLFQWQDARRKDLPRRLYCLQSAPRKNPSTTKCKFMTSWWSDNVEILSWAPAWS
TVDIDSEVTMAITLQLHADQVHDASAMQGFYRILELYLNHWQGGQPTVIVVHVAGATPDFI
ATMKTCLGPESDLTNFGMDTVLVGAIFSENLDTF SRKALMNMAIDASPTRFVTSGYELER
GIVPSRETIVLVHRTAQVHKDSQGAUYAIPQFGLVKGDHDF TAKSLEEARSDGNLDSVSK
LEDSECVNDIPTRETEGEGEPFEMIEQLWWQLMQHDEDEERSQNEITIEDHALALEKIQSR
LTGLLTKHEHYNLYTQDTSPIILLFDNLGPRAGMITSDMVREIDFEGGKMCYNTMRF SQMA
TLGYQVNVLTGAFASIPALRNAIGDPSRGPNGVSRDCGCFFFTKEREHEDILENISLEE
RQRPAKISILWEESIQ

>comp14094_c0_seq1; 203 790 2109 LEN=2629; translated
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GWRRRNADEKLPKRNKIRVRNQSSMDDQSYAARSQLESAGAFRSSSFRPASSITTAL
LPSRVLKLSLIAIALTEALDRMGILCVCLELPSVIGAEIRAVWRRSILPLAALIRRKLSS
ISLDWVKPRWKTIIYHGWLEPSTQSLFEAVQTTNAKRFGVSLAETLSTTKAVFAFGTAAGM
IAIPLVWTTITLRFKAVLVVVVLESEANRSFKYRRGRSLVWVLGDTPTTLGMALDGALEEC
AWLMRFCAAYASTLPERWAVARVEAVDTPVGDGLPRMQIIRPLRPPCVDYRDDCDLSDSD
VPYSLGIASSVAKQQPRGPLSSIQRFRARMAFHVWVKFRWLANRLEDHYASYYSYYSEYDY
SSNSRRIVPTGNNDHYYYK

>comp14095_c0_seq1; 318 1 2024 LEN=2311; translated
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VNKKFVQYREGRGKCLVALSSSSSGSEKGIKGERIGDPDKKQDFWDPLIPPVLLGEYR
TSRCALCFGRLLQPYSFDRSPNHPLYRLLFCSDACRRIASRIGLEREERDAGMLQSPSG

RGPPRILPTAILLYRIMITEQRTEQQQKSQNSNKDAFVWDQVCELQSKPKRGP SDNLEDN
EMNLSDDKLMASKYHTQGVIATAMGMLQCSESSFSQYRPSMEHLIGMVHRIKVN GFSIT
YEEDFERIGIGLYGIP SFMNHSCRPNALQTFLLRPGRLPSLYVTA FQDIPSQQE ICISYT
DTSCPSHVRQKRLEEDYCFVCNCEACNNTSNAQDDCNTMAIRCMDCCNQLSPPPCSFVTR
SDRAVGPSIQPAYRCTR CNKTD FSTLRQLRESEEEEMGNDKISIESNPTKLKKT FQNLKK
LCYTESWYVQEAGDQLLQHYIEKLPMLRNDPEREQQTAWAALNIAEELLGAESSSGPRPT
SPLTTSIDFGSTSTFLRYQH LRYKMAKLRLFLVDPDRSVQELQQVLRSL EPHYFSDEHPV
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>comp14095_c0_seq2; 271 1 1826 LEN=2113; translated
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FEVPOGVVPQFRVSAEPFSSSKEDCRRWSAARKEKSN D IGTGRRERTL TTTTTTTTTPRP
VNKKFVVQYREGRGKCLVALSSSSSGSEK GIRKGERIGDPDKKQDFWDPLIPPVLLGEYR
TSRCALCFGRLLQPYSFDRSPNHPLYRLLFCSDACRR IASRIGLEREERD ACGMLQSPSG
RGPPRILPTAILLYRIMITEQRTEQQQKSQNSNKDAFVWDQVCELQSKPKRGP SDNLEDN
EMNLSDDKLMASKYHTQGVIATAMGMLQCSESSFSQYRPSMEHLIGMVHRIKVN GFSIT
YEEDFERIGIGLYGIP SFMNHSCRPNALQTFLLRPGRLPSLYVTA FQDIPSQQE ICISYT
DTSCPSHVRQKRLEEDYCFVCNCEACNNTSNAQDDCNTMAIRCMDCCNQLSPPPCSFVTR
SDRAVGPSIQPAYRCTR CNKTD FSTLRQLRESEEEEMGNDKISIESNPTKLKKT FQNLKK
LCYTESCTFLRYQH LRYKMAKLRLFLVDPDRSVQELQQVLRSL EPHYFSDEHPV ISGLKA
CLANAML

>comp14096_c0_seq2; 356 94 1342 LEN=1718; translated
MSIRNDNNSHNYCFDL DLDLDDARKKLATCAAFVDSTDLTYGFSSKNLLALGGSEISR LKE
LVSMDEHWASKDAACGGIITQPPEGNRIVVKLYWDIAPLACENFATLCSNGSSV TAGPG
QKSSKPKPVP IGECEGKPLTYRGCKIHRVVPGFVLQGGDFVLENGSGGECVFGNKKTFKDE
RAGLNLKHNRFGLLSMGN SGNSSQFFFTLDKAPQCDGKHVIFGEVVS GGQVLEKAES
FGSSDGTPTAPIRIADCGVFTPLQTPGAGYWYDKPDSESWNGISPTFVVRPRIAIAAPEA
ARKKFEQAMSGLCSVVL SICV GAGGEAPEAASKL LLESLSFSVDIVVIAPVCKDVKSKM
GQRLPVSWVNSNFSFEVVIVSKPLDEYLRYILNLG YRATENIGSLMVDDDIESI

>comp14096_c0_seq3; 201 1 1132 LEN=1508; translated
LATLHRIALRYLFHTLFYINKAIVFLRGYRNADLNCNYVCIRNSIPGNRIVVKLYWDIAP
LACENFATLCSNGSSV TAGPGQKSSKPKPVP IGECEGKPLTYRGCKIHRVVPGFVLQGGDF
VLENGSGGECVFGNKKTFKDERAGLNLKHNRFGLLSMGN SGNSSQFFFTLDKAPQCD
GKHVIFGEVVS GGQVLEKAESFGSSDGTPTAPIRIADCGVFTPLQTPGAGYWYDKPDSE
WNGISPTFVVRPRIAIAAPEAARKKFEQAMSGLCSVVL SICV GAGGEAPEAASKL LLESLS
SFSVDIVVIAPVCKDVKSKMGQRLPVSWVNSNFSFEVVIVSKPLDEYLRYILNLG YRA
TENIGSLMVDDDIESI

>comp14097_c0_seq1; 683 242 2142 LEN=2225; translated
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GRRMELRLCAIFYIAGSFLNVMSGTVLKEAAIFGYLSLCVGRVLYGIGVGFVMHGAPAYL
AEMSPTKIRGAI VSAKETVIVGGIVVGYMIGNCMST DPLGWTHLYGICGIIALPMLALTY
CIPRSKRWLLMQGLDQEAYESMKFIYNGDIREEYESLAKSVLAGGLSPSQT KTRKDP SLV
DPRYRKAVKASMG LIIFQQFSGQPRCVRYGRTKSKLPFCPLRLAIVNDAL TNRTASILL S
SSF IQHLTSFILSIFHSIISVLSYATVLFQAAGWTGIASVASSVLM MITSAITVLLVERV
GRKFLLSLGCLVMMTALSALSTSFWGWDHIDTETGDLRSSQNYVILFAMFFYIAGYQIG
FGPITWCIVSETFPLEIRGKAIALGVELNYALNFGVQFIFPTLKENL GWGRTFGLFAVIL
FAFFFYIRSYVPETTGLTLEEIEVELGGEHNSDYPKNNAKKHQFIEFECPTENS SLLGR
ASSFLGAHPSLEEMESQLIRTSSDAALRNAIV

>comp14097_c0_seq2; 732 242 1975 LEN=2058; translated
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GRRMELRLCAIFYIAGSFLNVMSGTVLKEAAIFGYLSLCVGRVLYGIGVGFVMHGAPAYL
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CIPRSKRWLLMQGLDQEAYESMKFIYNGDIREEYESLAKSVLAGGLSPSQT KTRKDP SLV
DPRYRKAVKASMG LIIFQQFSGQPSVLSYATVLFQAAGWTGIASVASSVLM MITSAITV L
LVERVGRKFLLSLGCLVMMTALSALSTSFWGWDHIDTETGDLRSSQNYVILFAMFFYI A
GYQIGFGPITWCIVSETFPLEIRGKAIALGVELNYALNFGVQFIFPTLKENL GWGRTFGL
FAVILFAFFFYIRSYVPETTGLTLEEIEVELGGEHNSDYPKNNAKKHQFIEFECPTENS
SLLGRASSFLGAHPSLEEMESQLIRTSSDAALRNAIV

>comp14098_c0_seq1; 418 384 1960 LEN=1990; minus strand; translated

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GLPELVEALKAKIGAEHGMDHDVTVTVGANQAYTNIVLTLGDNNGGRAVVFVCPYYFNHV
MAIQMCAGPEAVVTGPTDMSTGRPDLEWLGEALRSERGI RLVTLVNPNGNPTGVALPEEDL
REIVDLCDRHGVWLVLDCYEHFFYAPDGGKRKASRSIHPKYETNPLPTFPNDPHVIHVS
FSKGYALAGYRCGYVVTHRGDASEGSGFLEQMLKVQDTIPIGPPRLSQHVALGALRQGA
QDSGENAGQSLYSPGSKEWVYKDYDTLEPSRQCILEALSSLPQTIGGSGSMYVMGRLPDH
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>comp14099_c0_seq1; 357 319 3018 LEN=3137; translated
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QRRQKELEYQRQQLLSAMEERKQVMQRMQSSLQSQGMIDPQQPQQPQQPPHVPFERRHS
LFGGKVGALEGPDLEATGMVDGHRFSSRFETEYGGRRDRRGSLLDLGVVAGATQEAVS
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CFVRLHCVEVFTATKNDVAVPTKGRKPIQVGVGIRCPHCHKSDMAPLSRERGSVYPT
SVSSIYNATMNLQRHLHSCKAVDPEIMRRYETLKLDDARSGTSKSYWAKSALSGLVDT
REGIRFSSAKPPPLRLTMEQKASDNYHTVRGNDAFFNSASNTIMGLSNINNESSYASKY
PVNFEPVCDGGPSKGSSEKAEIQHPLGLRDITSSKEKAVPDVNTIKSSGSSAPLVTGKDEK
VATQFSFFLLSQMQTCVFTEADRLGKRKGLPPGFPLACRHCFFGGYSGRFFPSSIKTLS
DTSKTLNVLYNHMMRCRCKPADVRGTLQKFRTHDEERAKMKFGSQKAFFARIWDRLHDN
NPTVDVRKRKFNHPKKEPKSISKDIVLNARSTAQQALNMQIGGGHLGQVPYLDAAANLS
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>comp14100_c0_seq1; 563 319 2205 LEN=2225; translated
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EGQPKLPKDYMDTLLKIEDPFRLOTIVQHIPGPLQSQTLPYERLLVLQKDDLAELSKVH
TQIGVVLYKLGDLLETLQHLHKALECRQEALGSDHPQVAATCIHLGALYRTAGDFENSLK
HMLQAVEIQEKALGDDHPVVASSYNNIGALHYQTNDFAFAIREYEKALNIHLKKNKGELDP
DTAGTYHNLGVAVKHLGDYNTAQEKLLKALNIRQEQHKQQQIQTSHDDNEQNANTSGPPI
ASDVAVSHTTLGQLYAEMANFEAAMEQYEAALAIQQQIHGPDSMTATSHNNIGAVHYET
GKYSDALEIYQKALDILRGKEPNHPDAAASWNNVGLTYLKMGEAEKALEHHQEGQLILSN
LYGPRHPNLATTIGSIGNVYKAQEQWEKALGEYQIAHELLETALGTSHHPDVASSFNMG
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>comp14101_c0_seq1; 344 667 1929 LEN=2907; translated
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IAAVGGKESISAAAAEGENEGLVDLSELTFFDDIDYGSSAMAPPFLDPDSCLLPDAEPV
RIEKAPENSRRIFAGIDILASADDVWVNLTYNGELQNVIPNLVNDVLELYDGSDETKSI
DAIAGDEAVPEEVRCEKLANTKKGSLLRQVGGAKVAGIQFSARTTLEVREWPTGMPDFAH
FLDDVWEGESREARAGVLKDTKLKRYRFPFPFCVGDKKLPKTDISMQSI VGDGGEFRLYQ
GVWRMQPLVGCSPPGKEAMRLTYAVEISPRPYLPVRLVEGRIVADLCSNLEAIRAAVTSP

>comp14101_c0_seq2; 311 667 2155 LEN=3192; translated
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IAAVGGKESISAAAAEGENEGLVDLSELTFFDDIDYGSSAMAPPFLDPDSCLLPDAEPV
RIEKAPENSRRIFAGIDILASADDXLERELGLLYGITSRLNLSMMVQIKNDVVYRSSSGI
ACYATASSAPIPALVSLSSINILFLVSGPFCQCIAWHYIQVLTNYGELQNVIPNLVND
DVLELYDGSDETKSIDAIAGDEAVPEEVRCEKLANTKKGSLLRQVGGAKVAGIQFSARTT
LEVREWPTGMPDFAHFLDDVWEGESREARAGVLKDTKLKRYRFPFPFCVGDKKLPKTDIS
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LCSNLEAIRAAVTSP

>comp14102_c0_seq1; 368 101 1117 LEN=1340; translated
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>comp14103_c0_seq1; 1003 143 3149 LEN=3561; translated
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>comp14103_c0_seq2; 543 241 2458 LEN=2870; translated
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>comp14103_c0_seq3; 1044 141 3171 LEN=3583; translated
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>comp14103_c0_seq4; 1003 141 3147 LEN=3559; translated
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>comp14103_c0_seq5; 1044 143 3173 LEN=3585; translated
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>comp14104_c0_seq1; 667 96 1901 LEN=2205; translated
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>comp14105_c0_seq1; 285 126 953 LEN=1356; translated
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>comp14105_c0_seq2; 123 186 1180 LEN=1583; translated
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>comp14106_c0_seq1; 873 153 3215 LEN=3405; translated
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>comp14107_c0_seq1; 415 1 1335 LEN=1462; translated
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>comp14108_c0_seq1; 329 1 1261 LEN=1489; translated
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>comp14108_c0_seq2; 299 612 1538 LEN=1766; translated
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>comp14109_c0_seq2; 350 75 443 LEN=779; translated
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>comp14109_c0_seq3; 570 1 1676 LEN=1883; translated
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>comp14111_c1_seq1; 436 102 1875 LEN=2436; translated
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>comp14111_c1_seq3; 436 102 1875 LEN=2393; translated
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>comp14112_c0_seq1; 1200 95 2962 LEN=3096; translated
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>comp14113_c0_seq1; 448 208 1716 LEN=1793; translated
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>comp14114_c0_seq1; 694 1 2704 LEN=3066; translated
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>comp14114_c0_seq2; 668 1 2514 LEN=2876; translated
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AANANYQLSQSYPSVLVGPASLDETKPEALRVIRQCAAFRKAQRLPSMSWCGVGGASIWR
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DDWLPPEPGCGLKILDLRPRAAAMGNRTAGYGYENTSNYSNTTLKFTNIQNIHAVRDSYEK
LCTVCNSISTADVHWNLSIEDTKWLSHIRTILAAASWETAYVHVWRLPILVHC SHGWDR
SQTVCLSQLLLDSYRTRHGF SVLVEKDFMSFGHPFHLRSAHGEGRS DTKNAQSNVDSQI
SPVFLQFLDCVYQLVELYPSAFEFNTQYLLDLSFHIIYSCRFGNMLCDTERERESMAAIRQ
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>comp14114_c0_seq3; 406 1 1626 LEN=1707; translated
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SMDRVEKTVYQASGSSYMGLIVHGKDCGRKIQFSTSSYVDTSRAFESLNTYAFPGRRLNG
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AANANYQLSQSYPSVLVGPASLDETKPEALRVIRQCAAFRKAQRLPSMSWCGVGGASIWR
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>comp14115_c0_seq1; 497 370 2160 LEN=2365; translated
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ILAILLEDAGIQTYDASDVVQLPLWSSVVELYYSRHGGRKRDNSISDRTVLEARESTEPEA
GGPVILGLEGCAAFRERVPAKDRFLGVAGSFNSGTTAFGVSLQKNCRLAEHGAGRNWQES
LGRGKRRMVVSNANGMLSQVPWAKHKMASYRFNHTLLPPSSTNRRPPIDHNVLPVIVLVR
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GPNPTVGPSPVSLVHYWNAWYESYYYNDTNNGYTGGLSKNSYKKGEP AIVSPQPNQKW
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>comp14116_c0_seq1; 656 291 3176 LEN=3293; translated
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KNTVSTQIPKSHLLISMGVENS GKS YTCFGGMTISKRRSSEDGLVPRLLDLSLFSQSAHAG
GNSNRFTVQVSI MQITQPNGRS GHSNSCQVYDLLANKSSPVKTKMFGKSPMKKKNLNVK
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TTGNKKCHLYITMQPVVDDSKFGDRISILDMA SLEKEDSMQNTRGNGS IASNMNQIASAN
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MNLNIGTKVDNRVKQRMNFENKGVTIASAPFEEESSDPHPSSKSNRRKFQSRDSTRKSM
NVVPGAPRMAKVSVHNPRSTCSSKPIASAIVRTEPVKMSRGINSRVEVISQVPRHEIE
HLPSSENHMSAETSIQPSASAMA EVQQPRLKSTKMREKVTDFPGVHFSQSAETESRGERY
PIATRSPRNSRNRKALSVGTEQENSLERRGCKAMLDPPEAKQNF EKL RQEELISPLGR
SRLENSEYSTTGNQDKIQDHSHEITEKQLNAKELPPNWFETGFTNFDSKPEDKKNPTK
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RQEAQSKIKHPIHEHLERVNYIYDIKNQYLMTNKQHFSLSPDFHQRAPILDMRDKNND
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Q
>comp14117_c0_seq1; 715 37 2069 LEN=2147; translated
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SLAVLSATRGTGGRGDKAHQELARQKAMLRDPDVI VATPAGLLTHIRNGDVNLKDSMETL
VVDEADLVLSYGYKDDISEIIRSLPRICQGF LMSATLSPELNSXKKVVLHSPVVLKLEND
EANKNDGSGHLTQFYQLPRKDKNLVLYVFLKLG LKGGIFFVNSTDMGYRLKLFLEQF
HIRSSVLNAELPFRSRLNII EQFNVGNFDYLIATDESTDAVDTDDEEDESNDDRDSDSD
DSDAPQKAKGKKKDD EYGVSRGLDFRNVSVFVNVDFFPSARSYAHRVGRTARGGAKGVAL

SLVEKDSYDQYEVLQAVQDDQPKISNAGAATDTLQSSTAESADASNDTHLNEQSQPSPLD
FDLREIEGFRYRVEDVSRVATKHSIKEARAAELRAEILNSERLQAHFEDNPNDLQLLRHD
RLATHASKVQEHLKHIPKYLLPRGMHVADLNRKRKRKRNRGGKQRRSAKDPLQSFSDGDV
NLDGLEGDDFELPDLGEEGRSEKKQKREEEKKTFMNTHDGTGKSTSGRNAWKEKHRKGF
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>comp14117_c0_seq3; 770 142 2175 LEN=2253; translated
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SLAVLSATRTGGRGDKAHQELARQKAMLRDRPDVIVATPAGLLTHIRNGDVNLKDSMETL
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EANKNDGSGHLTQFYLLQPRKDKNLVLYVFLKLGLLKGGKGIFFVNSTDMGYRLKLFLEQF
HIRSSVLNAELPFRSRLNII EQFNVGNFDYLIATDESTDAVDTTDEEDESNDDRDSDSD
DSDAPQKAKGKKKDDDEYGVSRGLDFRNVSVFVVNVDFPPSARSYAHRVGRRTARGGAKGVAL
SLVEKDSYDQYEVLQAVQDDQPKISNAGAATDTLQSSTAESADASNDTHLNEQSQPSPLD
FDLREIEGFRYRVEDVSRVATKHSIKEARAAELRAEILNSERLQAHFEDNPNDLQLLRHD
RLATHASKVQEHLKHIPKYLLPRGMHVADLNRKRKRKRNRGGKQRRSAKDPLQSFSDGDV
NLDGLEGDDFELPDLGEEGRSEKKQKREEEKKTFMNTHDGTGKSTSGRNAWKEKHRKGF
SKKTRLADRKNKDPLGI

>comp14118_c0_seq1; 435 204 1349 LEN=1476; translated
MNPQRTRNVPARRQATPMAVPGTNRCLAPSLSRWLLFVPLVCLCFSRSDAFAPVPPCAPG
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GDPKTSLSASPGGSNSYNDNYNDSYLDLTPPPVNFARNISILFSEQPSTRVRNNSSLDAW
RFARNHLPAAVTGAWPWRDQEALEQRPLAALYNAAFVRLPVLGVAASYLYQKTVEGHDLV
MDFGFDATGATGDPAGGGPGGAGADPAVEFRNGTEWIAMEARADRGEGCDFNPKPGSQTM
EQRNATQLNGTTIEQRPRPQAVPNERIGNAMQPGGAPVFDIRLEHAFLSQASLATAIPPS
VLLGFGSKLQGTKRVAATFATT

>comp14118_c0_seq2; 395 204 1350 LEN=1692; translated
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GDPKTSLSASPGGSNSYNDNYNDSYLDLTPPPVNFARNISILFSEQPSTRVRNNSSLDAW
RFARNHLPAAVTGAWPWRDQEALEQRPLAALYNAAFVRLPVLGVAASYLYQKTVEGHDLV
MDFGFDATGATGDPAGGGPGGAGADPAVEFRNGTEWIAMEARADRGEGCDFNPKPGSQTM
EQRNXNATEWNNNRRTTAPTTSKSRKDRQRNATGGSSRFHSSTARHGTSLAVLFDHQV
IGALRNRDPNVRVESSIERNDW

>comp14119_c0_seq1; 387 326 946 LEN=1494; translated
MAEAAKAKFEKEKSDVLKALPDEIKDVFGTIGFCPEGEDDDDEDSGEKNEATARS DPAEP
YMQPVLIVSPYDVPPKPIRDIYWDAFTKAKRSKAKLKKLDYLVYVYGSDDPDDCYNFVS
HEDFVTLEGRASGFDVLPVAVAAKSEERTASEKKLVRAVEALNNDLAKTPEERRKHGA
SFLEGYEKLKAKEDAKDQPPAKKQKT

>comp14119_c0_seq2; 442 111 959 LEN=1157; translated
MATSEVSKQMKSLVGGVVKRIVGKMAKEKRSRKVIDVSNSLSTTLSKRIVDCGQDLDLT
LVNTEPEVLRVSPMDTSCVTLISFSDDEPETCYKISVNHAIDQKHEESYHIVVNHSRTA
KNFDDHHSVGETNDVAQELTNKSATQDMNEALPSSHLEHEMRKNICTENRDSEKNCVIP
ECVDSSEYECRRPRQDFVFKKDSIFYESL FVASDSEDDDDDEENLLFRRNNNQWFIDGME
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>comp14119_c0_seq3; 387 326 946 LEN=1520; translated
MAEAAKAKFEKEKSDVLKALPDEIKDVFGTIGFCPEGEDDDDEDSGEKNEATARS DPAEP
YMQPVLIVSPYDVPPKPIRDIYWDAFTKAKRSKAKLKKLDYLVYVYGSDDPDDCYNFVS
HEDFVTLEGRASGFDVLPVAVAAKSEERTASEKKLVRAVEALNNDLAKTPEERRKHGA
SFLEGYEKLKAKEDAKDQPPAKKQKT

>comp14120_c0_seq1; 362 1 1337 LEN=1497; translated
DNDNDNDNSDASSEASSLPLSTENPNYQQDPPRKP KPKPSLSFIQIDRIDPHGWFHSA
ILNQGDIVLAINGHPIVEETTIEEANELLLASYGIGAFGTIDVMALNPRKXSGGARRKQQ
EQEESHLSFFSRGRGRDRFSGRRRDRGAWMRKQAKRASVAIGGAMIGVGLVFHPLGGV
LLCSGVSVLGTEFEAPNKLKVGARNSLEQWANAPTGGDKGAGAARGGNE SAGEDECADAG
SFHSHDSGRSGTGASAPLPRCPLSPTARKVEASRLSQTIAFSGESRSDAYRRGKVRSID
YDTPDLSPLSPHQNRLPATGKNFNHNVTDRMKGFGRRYVLPFLDRMAGDRREVTIDRC
SMHGGSSRSLMSTSSNSASSLQLQQQQQQRGPDDNNYKNNVNLQHNGDDQERDAPLSL
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>comp14120_c1_seq1; 368 315 896 LEN=896; translated

MGGGEDDGKPREEDNQSVSIDMIATNHSNGLLRNTPLVEGDVLKTINNKAAGDFLLPGS
PTGYLRGGCFGEGDRVTFVAERGSNKHREGTSEEEEGNCDSAVLRAFCRATETSSDPAME
DDEKRLERIGLGFHRVVVEDDADIDENSNDSDHGEEATESTESDEETSSIASENTLIR
ESERTRTESDSDSD

>comp14120_c1_seq2; 368 470 1051 LEN=1051; translated
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PTGYLRGGCFGEGDRVTFVAERGSNKHREGTSEEEEGNCDSAVLRAFCRATETSSDPAME
DDEKRLERIGLGFHRVVVEDDADIDENSNDSDHGEEATESTESDEETSSIASENTLIR
ESERTRTESDSDSD

>comp14120_c1_seq3; 237 179 412 LEN=559; minus strand; translated
MTLSPTSNPSKQIWIQTYSSSSSSSYQFSDSSGYVSEVSVLLLLRIAIAIAIASDVGVG
VGDWRQRPVLLWDVRGR

>comp14121_c0_seq1; 136 64 423 LEN=2308; translated
MLSCSNHQNFVEIATENELTDFLNKYETDGCVVTF SATWCGPCKACKPQLKGEISRKSPI
PIGYVYEEEDLPSFLDVFVEIKAFPTFVFRNGREVARVEGTNLGAVEAMIHSQGHRKH

>comp14122_c0_seq1; 655 169 2157 LEN=4303; translated
MSTITSANASLVVALSPVFPTALIVSCAILLDHSFRRESTLNRCQIQIWMWVALALSSST
LILSSQAAQGANSNANENTGEENDDIETDTQLRVLFLAWGHFTVFFNLLAILAKELQIR
LILPARSKQLVGNVIRILPVC SWLAMLIVGFRIITNTRNSQQSSQAFFVRLSFQVFFSSFF
SLWFLQWYHRKRKASVEMQGMPTTGATAAPSDSGECCGLVARFCGMAPAASLSYHYDN
SDDASRINAHSCWLDERRWYTWTRIQTMQWISQQLSSSSSKRGDHNGLSGTRDDDEELHD
SILECLAPHYITGDVLDGLSDASQLVTLRVFPFGPARRLADSVARLIERYPKPGSTGDWNT
IRAEPMGPRHRRCCNSGPEGDGSGSRVPNDHSLDLHDQYNDPEVDRPIKDVRELIADGGS
QHLQRDQWPSIQRGEYRQHSHPHSYRFPHDAGARRDTTAEQREQLNNTMKQRFGLLEPKL
RGADFVDVQKGLWRDAEHRGKAPASSASDGILPLHPPASGPTRGALHGGTGGDHAASAAA
GSPGNAPYRDTPRGPLPIPPDGAAPD TLLDAMPPIQIREIAERRPDLMQTLWKRKQKQAQ
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IV

>comp14123_c0_seq1; 407 214 2163 LEN=3700; translated
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YLKLN SDGTGSSDL SGLSRDSRFDESSSLRIPKRSRYS LDPVISLNWVFNVL DVPWDVVR
KHAGLDGYFFLRYVRMNLRI CSVTCIWAFLFLIECYAGGYNNDQQGWYHISVANLRDKSW
RLWIPTIFAYLFSGFVCFVMKQEYRHFLELRMDFLARGTTFINPQHYSMLMVENIPHEL
SEKALSDYFESLFPKGVHSTSMVLNLPDLESVATRCMRACRRLEKSIAYYYATGKKATHN
VGS PRMTILGIDMAPCDKFCCGSGPNVVFYFNRRMAEKPQRGIHVDSISYYTYDLAEMNR
QMCSMQIKEEIAFEGTDHPEANNWF TKLVVSAYEMADEIMLDSAEDNALRTAYISIGET
GTPIPQAE LMG EKTIYGT LQGVGISKHSQGS SYVDRPLAKSESDTNLLYGVDDATSCSND
SVRSKKQEEALGKARSRRQRKLVTPGEEKGILRRWAGRLGLDFVVS GIKFANRQIDNAVD
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>comp14123_c0_seq2; 407 214 2163 LEN=3619; translated
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YLKLN SDGTGSSDL SGLSRDSRFDESSSLRIPKRSRYS LDPVISLNWVFNVL DVPWDVVR
KHAGLDGYFFLRYVRMNLRI CSVTCIWAFLFLIECYAGGYNNDQQGWYHISVANLRDKSW
RLWIPTIFAYLFSGFVCFVMKQEYRHFLELRMDFLARGTTFINPQHYSMLMVENIPHEL
SEKALSDYFESLFPKGVHSTSMVLNLPDLESVATRCMRACRRLEKSIAYYYATGKKATHN
VGS PRMTILGIDMAPCDKFCCGSGPNVVFYFNRRMAEKPQRGIHVDSISYYTYDLAEMNR
QMCSMQIKEEIAFEGTDHPEANNWF TKLVVSAYEMADEIMLDSAEDNALRTAYISIGET
GTPIPQAE LMG EKTIYGT LQGVGISKHSQGS SYVDRPLAKSESDTNLLYGVDDATSCSND
SVRSKKQEEALGKARSRRQRKLVTPGEEKGILRRWAGRLGLDFVVS GIKFANRQIDNAVD
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>comp14123_c0_seq3; 494 214 3132 LEN=3590; translated
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KHAGLDGYFFLRYVRMNLRI CSVTCIWAFLFLIECYAGGYNNDQQGWYHISVANLRDKSW
RLWIPTIFAYLFSGFVCFVMKQEYRHFLELRMDFLARGTTFINPQHYSMLMVENIPHEL
SEKALSDYFESLFPKGVHSTSMVLNLPDLESVATRCMRACRRLEKSIAYYYATGKKATHN
VGS PRMTILGIDMAPCDKFCCGSGPNVVFYFNRRMAEKPQRGIHVDSISYYTYDLAEMNR

QMCSMQKIKEEIAFEGTDHPEANNWF'TKLVVSAYEMADEIMLDSAEDNALRTAYISIGET
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SVRSKKQEEALGKARSRRQRKLVTPGEEKKILRRWAGRLGLDFVVSIGKIFANRQIDNAVD
GVLIRSNVSSTGFVTFDLTSTVTTAASTPLTSKPEILDVCAPEPKDI IWKNAHISLKSQ
SRRENNTNLLLVI IGLLWIFPLATI QALAKADYIAKIPGMHWILTAGGGSVVSQFVNGYLP
VAALLLTMILPLIFEFLLARNYERRKRLSDVQNSMLGRYFYFQVLNLYVSVTAGSVWKS
L ADI IDHPTSILGLLGESMPFMVGYFVSLLVTKILVGLPMVFLRFGALSKMCLRRMLSPLS
KLTQRELDEIYSPENILYGWEFPAQIFVIMII FMYVVICPMILPFGTLYFGFSLIVYKKQ
ILYVYQPVYESGGAMFPGVLQKTVFSLVLGQLTLIGYLFTRKAVFQGLFLFPLPFGTTWI
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>comp14123_c0_seq4; 493 214 3509 LEN=3509; translated
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YLKLNSDGTGSSDLSGLSRDSRFDSESSLRIPKRSRYSLPDVISLNWVFNVLDPWDVVR
KHAGLDGYFFLRYVRMNLRI CSVTCIWAFLFLIECYAGGYNNDQQGWYHISVANLRDKSW
RLWIPTIFAYLFSGFVCFVMKQFYRHFLELRMDFLARGTTFINPQHHSYLMVENIPHEL
SEKALSDYFESLFPKGVHSTSMVLNLPDLESVATRCMRACRRLEKSIAYYYATGKKATHN
VGSPRMTILGIDMAPCDKFCGSGPNVYFDNRRMAEKPQRGIHVDSISYYTYDLAEMNR
QMCSMQKIKEEIAFEGTDHPEANNWF'TKLVVSAYEMADEIMLDSAEDNALRTAYISIGET
GTPIPQAELMGEKTIYGTLOQGVGISKHSQSSYVDRPLAKSESDTNLLYGVDATSCSND
SVRSKKQEEALGKARSRRQRKLVTPGEEKKILRRWAGRLGLDFVVSIGKIFANRQIDNAVD
GVLIRSNVSSTGFVTFDLTSTVTTAASTPLTSKPEILDVCAPEPKDI IWKNAHISLKSQ
SRRENNTNLLLVI IGLLWIFPLATI QALAKADYIAKIPGMHWILTAGGGSVVSQFVNGYLP
VAALLLTMILPLIFEFLLARNYERRKRLSDVQNSMLGRYFYFQVLNLYVSVTAGSVWKS
L ADI IDHPTSILGLLGESMPFMVGYFVSLLVTKILVGLPMVFLRFGALSKMCLRRMLSPLS
KLTQRELDEIYSPENILYGWEFPAQIFVIMII FMYVVICPMILPFGTLYFGFSLIVYKKQ
ILYVYQPVYESGGAMFPGVLQKTVFSLVLGQLTLIGYLFTRKAVFQGLFLFPLPFGTTWI
MRYFDRHYAKSSTKLSLERAREYDRVSEWLAANKIQRNSEKNYQGTSTFGESHAKAEYRYG
IEGRRVQFQKDSYRQPVLRQPMPNPKSYRRDQDPETELCIKRLQELTVRHSSMSETHES
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>comp14124_c0_seq2; 1080 250 2688 LEN=3024; translated
MKFSTAALTLGLATAATAFVGP SKLYAPHKIGNVRTSTTFKAATLDAETA AVNGADTGNP
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QYMQGKIRGFMHLNDNGQESVPGLLDYAIKQTDKKSYYREHTHAIASGVDAGAVMAELFM
KDTGTCRGAGGSMHIFDREQYFQGGWALVCEQLPYAAGAAKSILLDRTLGVSDSDSYQKQ
NVAPPADDDRIAVVVFVGGGAQNGRTAELLNSAAKDNLPILLVLDNGRAINTFTGDI AQ
NPNVYEQGKHYGIPGLLV DGNP ADVAKGGKAVIDYIRSGKGPAILQVHTYRFNGHSPAD
PEHERGRKDEKAWARQEQDPLKSFEAKYTGVSFTTEDELKDAKKE IMAQVKEAVKFADDS
P MPPVELAKELEFPDAPD TDY NLREGPAFADEVNARTISPEKMQNVQDHIASLVAKAEAGD
ISIGDAINLAIHEEMLRDPSTTIHAEDLQAGSSYDIPKLTQQT YGQMRAADEI IDEGHFI
GKALGEGLN GYRPIVELMNTNFGIYGMAELSSAGNTYATTGGKFDMPMTIIGAGGTAPNQ
SLGAEHSQPFHAYVMGIPGLKIATAASPAAAYGITKSMIRDNGPCFLFAPVKMMKEAKGP
VDL GKCMPLNKSAVLHKASDEVCAAGNAVTVLTYLHG VKESLASIEAIQEEGFDIDLIEL
RSLKPLDMDTIRESLERTNKLCILDESTKSGGVGATISAQVSEELFDLLDSPVKRLC MDD
APVPYASSMEVAVVKRGS DLIEGVFDLCTGKW

>comp14125_c0_seq1; 385 108 1502 LEN=1593; translated
MAYFALKLLLLLTSTTITVQGLSSAPQRHEIIRSGHVRSRRSPSELNLFGRSMGGEGGD
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YPSFLKSAIYRYRGLKQKIRYLFYRNTVYVLECEKDYVVGSTNNRKRRYREHFEFSRGG
SKWTRMHRPIRVVAEYKRI PSRYLMGMESQKTAETMIEHG VNNVRGGPYCYGRNFTTSDL
SSLTAF LGHYNQLDYKELRSQELRKVLPRDPTEFSFPPPARNNYGAKSSYRSKSYTTQPK
GNAMGSDDNNTESPRPKRSRQKLRRLK KQRASRKANSKCYKCGQTGHWAYECPNDPAT
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>comp14126_c0_seq1; 863 119 2155 LEN=2305; translated
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EQTIVVPLRKKPPSTK GIDGDDQNHWPDL ELTARLLEAREVPKQWLHSVVDSTVPTD
TTASDEDLEDDAEDVNDNTGDDNNAIASCYDGYGFNMFRNVLAEYCRSGLAEEMLPQLM
MGKESIDPERSTIQORRIARIEHELSCFD FERYLGDLELGNENDDYLYTMVKDYVPWWR

TKIGTPNRVGSAMTLKATSTTTTTTESSSPSSLI EEMDNMAIHDADNKRQSSPTTTTDTKS
SSIFTESEKLLLSTIPYPLLAKHLAHYRLWCGALELVLAYVYDHLTTMGDPSVESPWTVS
VLSCQLSWLDDHSAAGDDGGSSSGIAGTVRSTVATFLRRVLFVFPYWRNADDVGFVRET
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RELVDDEDFAKLLTGVEESLIGIDAMMI EYFGEESSDDGSEDAYTSCGSSEEDDGSDNESD
SDDNGDDTEHQRYHSAEQISVASVRQLLDDQVGDEVSASPAASFSSLLVTAPTDDGNQEQ
QARQQQDNTRNRPLIQEL

>comp14127_c0_seq1; 451 356 1699 LEN=1825; translated
MKWKVGQTVMVQSRTWANINKPGGCARITKIHTAE EESSYVEGLDVKYVVDGRKEKSLDP
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KENRSSPQSSPTCSTPERPPKPAKKPKQVTPIPKMITGRKIDDV SPLIEDLPSLRRPHT
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GKIDTVLSRPGSALMDKKAAGFVLKPPRKVPPSSTHSTDNPNRCRSNHKTTTTKAVPPKS
HPLGTIGTKPRPHYKPATASF SRVTSAYDTKNKAETNRKPLLDVYRAEVQKAREFMDVM
GHRSDRDNQKGGFFSTTKSRYDEF LSHLYKVIKIDEEEVSEEEFREVYNTIAPNSFTSE
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>comp14127_c0_seq2; 202 634 1935 LEN=2061; translated
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MDKKAAGFVLKPPRKVPPSSTHSTDNPNRCRSNHKTTTTKAVPPKSHPLGTIGTKPRPHY
KPATASF SRVTSAYDTKNKAETNRKPLLDVYRAEVQKAREFMDVMGHRSDRDNQKGGFF
STTKSRYDEF LSHLYKVIKIDEEEVSEEEFREVYNTIAPNSFTSEELDRHVQRMCDGK
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>comp14128_c0_seq1; 731 179 2714 LEN=3135; translated
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GVYLD FSRQRATSETMKLLQDLAKTQRLEERI QDMVTGKKINFTEKRAVLHTALRADRSE
EIMVDGVNVVDEVHQVLDQIKHFTQGV RNGEILGYTGKIRNII SVGIGGSYLGPEFLHE
VLKTEPEGINSALGYNLRF LANVDPIDVERTCADLDPEETLIVVSKTFTTTAETMLNARA
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GAVPISL MYGFDLFEQFLKVRKLVMSGNEMASSVXPSFCTQMKITLICRLLLF CXEQGAQ
SVDEHFKTTPMEKNIPVIMG LLG VWNH SFLGYKTRTTL PYAEALLR LPSHIQQLDMESNG
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LSSHDEL MANFFAQP DALANGKTEDEARAEGIEEELIPHRVFKGNRPSMSLLMPKLTAYA
AGQLLAIYEHRTAVQGF IWDINSFDQWGV ELGKKLANDVKDQLIKARKNTGNENHVVKSS
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NQGLL

>comp14128_c0_seq3; 818 179 2602 LEN=3023; translated
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GVYLD FSRQRATSETMKLLQDLAKTQRLEERI QDMVTGKKINFTEKRAVLHTALRADRSE
EIMVDGVNVVDEVHQVLDQIKHFTQGV RNGEILGYTGKIRNII SVGIGGSYLGPEFLHE
VLKTEPEGINSALGYNLRF LANVDPIDVERTCADLDPEETLIVVSKTFTTTAETMLNARA
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GAVPISL MYGFDLFEQFLKGAQSVDEHFKTTPMEKNIPVIMG LLG VWNH SFLGYKTRTTL
PYAEALLR LPSHIQQLDMESNGKVMTKHGVEVDY NVGEIDFGEPGTNGQHSFFQLLHMGQ
TAPCDFIGFCQSQHDLCLDNESLSSHDEL MANFFAQP DALANGKTEDEARAEGIEEELIP
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>comp14128_c0_seq4; 812 668 3130 LEN=3551; translated
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SLVHERFGRNPGQQQPRKPENKIDIDNADSKSRLVSKKPEWKRLEEKKADIDKIHLRDLML
EERSEAMYAEHDGVYLDLDFSRQRATSETMKLLQDLAKTQRLEERIQDMVTGKKINFTEKR
AVLHTALRADRSEEIMVDGVNVVDEHVVLDQIKHFTQGVNNGEILGYTGKRIRNIISVG
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TFTTAETMLNARAMRQWLWDFMGNDKEVVKKHIVACASVSSIDKVKEFGIDTENYFFRFW
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GQHSFFQLLHMGTAPCDFIGFCQSQHDLCLDNESLSSHDELMAFFAQPDALANGKTED
EARAEGIEEELIPHRVFKGNRPSMSLLMPKLTAYAAGQLLAIYEHRTAVQGFIDWINSFD
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>comp14128_c0_seq5; 725 668 3242 LEN=3663; translated
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SPTPQHFSPLDLENNNNKNESYNNENNNSSNKNFLQVPQLSIPTRIAKPGLGLEHHNRAMK
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AVLHTALRADRSEEIMVDGVNVVDEHVVLDQIKHFTQGVNNGEILGYTGKRIRNIISVG
IGGSYLGPEFLHEVLKTEPEGINLSALGYNLRFLANVDPIDVERTCADLDPEETLIVVSK
TFTTAETMLNARAMRQWLWDFMGNDKEVVKKHIVACASVSSIDKVKEFGIDTENYFFRFW
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CRLLLFCXEQGAQSVDEHFKTTPMEKNIPVIMGLLGVWNHSFLGYKTRTTLPYAEALLRRL
PSHIQQLDMESNGKVMTKHGVEVDYVGEIDFGEPTNGQHSFFQLLHMGTAPCDFIGFC
CQSQHDLCLDNESLSSHDELMAFFAQPDALANGKTEDEARAEGIEEELIPHRVFKGNR
SMSLLMPKLTAYAAGQLLAIYEHRTAVQGFIDWINSFDQWGVLELGGKLANDVKDQLIKAR
KNTGNENHVVKSSNPASSRMLNYYVKNSPANCFAGDVHGDIDETPITYITRKTTHQDHARA
TSVAPPTGHDLGGNQGGLL

>comp14129_c0_seq1; 205 1 1325 LEN=1522; translated
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DGYRVGSRVRLPRLKSRVRLFYPCSDQGTGTAATEGRYCTDGRETSDGMAGLVGFRQI
GLSFLLAHLADAPSGCCEDPSGTGGPSIRDGAGYPLLVSYSHGYGGNMDMSTYFLRGLARK
GFVVAAVEHTDGTASSTRLSGTRLGFDPRRSSLRDGLRLRSEELLEAVDYLPVLFPSI
GRVFLGGHSYGAPSALLASQKRPGGISGLVLHDPALGMGSGSLSPPAVPAVSYSVDEYH
RAGIACGDATYHVRGAFHGNFVDAPLWAPLWIMRTLSLVIPACGPADPEKVHEQLAESAI
AFAADPSGREGVDRGLFERVV

>comp14130_c0_seq1; 506 1 1657 LEN=1871; translated
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SAARELDGPVVLDDHGVVPPALFQHCADMAALLRYYGPDVVECSFHNYHSTENNTSSSGK
TPLHVRVRRRDGTNSCLPPPSISERNRDGKNHGI EGREMNRIDWDYNLTLYLTVMERLAK
NLGQVLELSTTRNDGGQTPVQKESLSLGGNTCVDADSSDENDGEDGDDDFVDSPVFGAL
PKPRWNVDILRGAYFDFQPNENGASSTITNDMERWEQKRKATKNPNDDKGEKGHNHTI
DGIRPFVVEFVQQSSRSNGNVLIRLQGCPLPNEEFGDARLQRLGEHLQQPVTLVFDAC
FQAPLREKAQVH

>comp14131_c0_seq1; 546 249 1667 LEN=1804; translated
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SGLVVTTSLAGFVAAGGPLYEQAPLAASCVAGTALCSFSAAALNQIYERDKDARMKRTRQ
RPLVTGALTVDEAKRAAVWGIIGTTLAVGTDPVTTLLGLTNIIGLYAGIYTYMKPRSVY
NTWVGAVVGAIPVVMGWAATSGNLLDLDAIILGSTLYYQQLPHFFALNYMYRVVYERGG
FCMLSSHEVDGERTSAVILRNAAYLSAIPFLSTAAGVTSMFALEGIALNSYALWVAYRF
RQERTNTNARKVFLTSLWYLPVWLVFLHLSKVWDEDHDQDVLRAVSDVVHRVRDEGRK
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>comp14131_c0_seq2; 434 249 1760 LEN=1897; translated
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SGLVVTTSLAGFVAAGGPLYEQAPLAASCVAGTALCSFSAAALNQIYERDKDARMKRTRQ

RPLVTGALTVDEAKRAAAVWGIGGTTLLAVGTDVPTLLGLTNIIGLYAGIYTYXEAAVGI
QHLVGSIQFYRNKVYATTSSSPDHIALFSSQLQRVGAVVGAIPPVMGWTAATSGNLLDLD
AIIILGSTLYYWQLPHFFALNYMYRVVDYERGGFCMLSSHEVDGERTSAVILRNAAYLSAIP
FLSTAAGVTSSMFALEGIALNSYALWVAYRFRQERTNTNARKVFLTSLWYLP SWLVLFLL
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>comp14132_c0_seq1; 329 282 1544 LEN=1708; translated
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WRTNGSFQSIDHQWNTERQFVTASDSAVQLWTPERSAPIQSHDDLWGSADTVNVVRFHPS
EQQIIANCSMDRGVGLHDLRTASAMKKTVLRMRSNLQWNPM EPLNFV VV ANEDFNCYTFD
MRNLSQPTHYKGHNTAVISVNWAPTGREFVTGSDYRTIRIFNLRRNGYARDVYHTKRM
QRVFTVNYTMDNTYIISGSDDTNVLWKARSNEKLGQLTPREESAMQYRQALVKKYQHLP
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>comp14134_c0_seq1; 391 162 1061 LEN=1662; translated
MDGINDEDEDNGNYDDTIVAIAIGTHSDMDMDDDGSDIDAALDDMLANPDEVDREETWLRR
CVGDLPEDEMGVDS PRFASLPAGVQIKLVLELRDREKATLLENLRECGSRVEKLLKQQLYAS
EDRRMELEHDLDTENQEI AEMKREFQGMKVTFN AHVSETQRIRKELLVQRDRLSRTIEVQ
KQQEQPTQAVEEQHLSSADSTGGPDSISAIGLPQLIDNQGASRTKSKIAIEFERKLETN
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>comp14134_c0_seq2; 391 162 1061 LEN=1684; translated
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EDRRMELEHDLDTENQEI AEMKREFQGMKVTFN AHVSETQRIRKELLVQRDRLSRTIEVQ
KQQEQPTQAVEEQHLSSADSTGGPDSISAIGLPQLIDNQGASRTKSKIAIEFERKLETN
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>comp14135_c0_seq1; 948 289 2304 LEN=2346; translated
MEYFRKVSVLAALFIAVASTASAFVPRANKLSNACGASSGMFMSAVAESSDTASVAKTID
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LAVQRDGVKINIMDTPGHADFGGEVERVLNMCDGVILLVDSVEGPKPQTRFVLDKALSKG
MKALVVVNKVD RPAARVDYVVDN VFDL FVDLGATDEQ TDFRVVYASGLQ GKAGDDPEELA
DDMGPLFD AILESIDAPTVEKSEPEALQALISNIDFDPFKGKMG IARITNGSVKAGQPIA
LVHPDKDKRTGKINELYVFDNLGKTAVEEAAAGEIIMFTGVDGVEIGDTLVTNENAGLNA
AEPLPEIAVEQPTVRMTIGVNKSPLAGREGKFLTSRMIRDRLFKELDNRNALNVAETNSA
DRYEVSGRQGLHLTVLIETMRREGFELEVGPPTVIFKTNEDTGKEEPPWESVEVRVPEEY
NGAVIDLLNTRK GELQDMGLEESSGMSVVKYLVPTRGMLGLRSALLSSTRGTALIDSVFD
SYRPKISGDIQARDQGSLLAFADGATTFGIEGAQSRGKMFVSVGDDVYKGMIIGINQRP
GDLEVNICKTKALNNMRAASKDKNAGIVTPIEMSLDSCVEYLA VDEILEVTPSLFRMSKN
PEMAKKGKGGK

>comp14136_c0_seq1; 164 880 1260 LEN=2187; minus strand; translated
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LYLASEEGGAQTEFAFGTHYQDLVKKQHEDLWTKFNEKSIIPHLYIYLTRLGSRCILVFD
EKDEEE

>comp14136_c0_seq3; 248 880 1254 LEN=2368; minus strand; translated
MPVPQSQNAPLWHGHTVKHEGWEEYIYFYAAAGLALQAAVLLGAPETSIESWARSEAKAR
LYLASEEGGAQTEFAFGTHYQDLVKKQHEDLWTKFNEKSIIPGEDDDDDDDDEDDDEDDDD
EVRFW

>comp14137_c0_seq1; 1066 29 1561 LEN=1768; translated
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LGTPESEYENALKIYSEGGNSKVAEVTLAAPLTA AVPKGTPIMGTNSNGNQVAGKAYEDN
AAGATTFAVQYQTSDSQKNYVGCQV GALVSTNTDGCFAASGTL SIDGTDAAAYTYDIATDN
VAKRSIAGFSTSAQKKMAECANCPYKFYEQFYNYGAYDIANQIVLAAFAGNKANLNNFD
NDYSLYGNAGNEQIIKKGTA YMVIWYVIREMEDALDDCKEECTIENCNDPVHAWDEAV
AFYTG TLEGEDGSGSGLAYALADKRCANFKTCGEFGDETTGTSSVNTMMFDL FNKGQAL
IKNGKCSEARPIKEIEELMLIPLIQGTLRYAWKQDNEDYSEKSEAEGAI FAASVLP LVA
GCNSSAAATIADNMKVGNQGTDFAAVKKAFESTYECMGVPGHMVGGLYDSATGDYYAGA
EPVGGASSSSSVSTMVAAGVAAATSMFLFL

>comp14138_c0_seq2; 151 1 468 LEN=1172; translated
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KSLRRFVTVCMGTLDDMIVFSAFVAGGAGSAGGKHHHKHSNLALFIGTTLAALLIVTIS

WFFSEIDCFKRAVKKIPMWALLSGIAVYILAMGLL
>comp14138_c0_seq3; 151 1 468 LEN=1191; translated
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KSLRRFVTVCMGTLDDMIVFSAFVAGGAGSAGGKHHKHSNLALFIGTTLAALLIVTIS
WFFSEIDCFKRAVKKIPMWALLSGIAVYILAMGLL
>comp14139_c0_seq1; 594 63 3092 LEN=3358; translated
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VTEIETLCRDASIVPGQEPLDGVLDPSFAASAPTSMVQDDLILSNEDKEPLDDRAVRDAF
LRFFCSILVGYERFLVVPDVFLLISGNEWFDAGKFLDAASEDKAVFLGSLVSTQLFQSF
QRRTEASDVHLLLFDECLQEYHSSPVPYGRLLGGDVETVVSKEGKSHMLYSLLDVQAAEE
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SRQDIPKDACFTYCVDGNPTFPDKLNQCFYVPRQPESWLVEMSTSSTPMLTRSGPEKDEA
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FGALRLLRSRQKIIPDEAAAYRALIVACGRTKNDRRAELVKLFGHLRSDFGIFPSAVTLGQY
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GRRWRQKTNNSKNNDTI IENPSSLDLKASDRPRSRNNSKYWLPVLLSSSFI EAKVDES
KGISNNVGDVQLTAIWSRTVACKECGYIPFEEEVQGGWDTIQGGEHDFPGAVSCARCGFL
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EHGEQILDREKLRKNYPDIFYNFWWYCARFQLPLPLAVSANDGGDSRHCCAIVSWDRQVA
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>comp14140_c0_seq3; 522 213 2498 LEN=2624; translated
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QARATLYELDQISRTVCNVIDAAELCRSAHADPEWRDAANRSFLELQNYIATLNADQGLY
HALVLVEDGYFDAMSEEEERFCFLKREFELSGIHLPPDDQREHVKQLHNTVTTLET
LTFANNITNAHKEFSIDADLVEAVIPRHVLEANGAVYGEARGEKQQVRLAAVSSISHS
ITNYAASGSLRKEVYMETKTSCPENIDVLDAMIDARHQLARTLDFESYSHRFLQDKMAQ
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DPGALAPFLSLSNCLRAMKLLTKTLFGIRMEEMELED AERWDAITDGNNGNTSAAPAH
REEEIRKFI VSEETGRELGTMYLDLHPRPGKYTHAAHFTVRCGCLENGPDSSYQKP
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PSHWMEHYAWCEQFLPLLATNTDGEPLPESLVKALNQSRNQFRFIEMQKQIVLSNF
DQTI FGPQESSNSQRLPTKDVWAAMHRQSGVPFAEGTHWYTNIGHFVTYGAGY
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VGEAVRNDNEIDNEIDNDPRVPMASVLEEVRRTDNII LVS EIGKNELVLYLNHILVA
EASTSELGVGGIVEWK FESDKVFFYAMEIFQANVIHFLRSRYFDLERGRYRPRETRD
GAGGNRHGGV GKAANGP GNGSATPAYPQHPHSTSEHNSKPE SCYWGEEQICEDFRK
VFRASASRYFPNKRAVVEYCFKDERMGNAPQANQNECGNSNCYSK PQSQAHRRQQAQ
QEHPRRLPPSFSMSVRRALVRLHRRAGIYLPNPKPSTTAAALGKNDS DSDCEYWLAL
WVVCSSLWVWILGPCL EILHHCHEKPLRQKEFRKRQGEDRLCHARDTESDSGELLG
GSRKRRKRTALSSGFAKQSR TLARIHLYLLQRELKRLGLPFDTVLMHGGPYDGGEG
SDYGDSENEDEGDNADYGGDCDGRCSGPTTREASAPCTEITDDDDSSERRDRQRE
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WLSEQLIGETVPV >comp14142_c0_seq1; 540 232 1671 LEN=2166; translated
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ILEFVKSDSSADEEIQRLNLLVDKFELENKLLKDANRSNQDVSETLSISFSALE
GNAEMSEALQKEWRKEKENLESRI RDQNEIENWKLLVPRNKILLEQTQSKNQQLV
KELEESQSRTKEQAEYILELEYKKAQQEQEMQQONT EETQEEMDTISLDHEPIDT
SESATTNTLLSSHGVI MIPSDFTSEQRKRLKKEK FVIEWETNHETSLGGLYTG
WLDLEGNPCGNGTLRIDGGIYIGEWKRLRTGIGVYTSIDGALYSGPWLNDK
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KLASKRNSMWSQGLANAAAGNAERDTTRQVELGRDVETLRSQIQSYREKEEQWEQRDKEQ
TKNLAAAEEVAVIESSRQLNLKILNLERDLKATKDELVVSTETHAKEKERWENGILEFVK
DSSADEEIQRLNLLVDFKFELENKLLKDNANRSNQDVSETLSISFSALEGNAEMSEALQKEW
RKEKENLESIRIQDQNEIENWKLVPKILLEQTQSKNQQLVKELEESQSRTKEQAEYI
LELEYKKAQQQEQEMQQQNTTEETQEEMDTISLDHEPIDTSESATTNTLLSSHGVI
PSDFTSEQRKRLEKKFVIEWETNHETSLGGLYTGWLDLEGNPCGNGTLRIDGGIYIGE
WKRGLRTGIGVYTSIDGALYSGPWLNDKFQGRGVFVSEDNKVYTGDTNGLRHGTG
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GAFVGS

>comp14143_c0_seq1; 175 139 564 LEN=2138; minus strand; translated
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HTDCLLTWTIIRPRAVNGTT

>comp14144_c0_seq3; 690 1 1836 LEN=2451; translated
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GDIDIDFGDLLLLSLGNPTAEREAAALERKRKRAERLERHAASVTNERQAGETDTAAKIDG
SGTGGGAGNQEKPENNKANGDGGEEESTGGEETDGSDFMFGTSSSESDSGSGTKPRKKKAK
PAKAADEAASASTANRLDGFDDSEGYYKASIGETMEVDVDVDVSGDENENDGAASSKTQ
FRVLGVIGKGVFSSVLKCSNASASAPSLPTEVAIKCIRSNETMAKAALDETKFLVRLRG
SPGIVPLLLPAAGNHNHPDRHQLPGAALRPIEFKGTLLVFPYLPYNLRDVLQKFGKGVG
LALGAVKNYFRQLEALGHLEDRILHADLKPNDILVEGGF SRVLLADFGSALETPVHA
AEDAAAGTGAGVAGTYEVLAPYLVSRFYRAPEIMLGLQPLTHAVDLWSLAVTMGELFLGV
VLLKGANNNDMLHSMKLLGPFSGRMIKSHLLQTKKHPLPAHFSQVQSNYVFRQETVDPV
LGQAVHKELSLVHTFKPTLQSKLLKAKSSKDSRTEVVRFAADLLSKCLVLDPHKRVSIQEA
LSHDFFCSTQ

>comp14144_c0_seq4; 524 1 1522 LEN=1522; translated
RRPSLELSILSIRTRTRTDHRSAAHRPKQDKSQRSIGLLIRKGEEMVRVAKAETVAGGSDD
GDIDIDFGDLLLLSLGNPTAEREAAALERKRKRAERLERHAASVTNERQAGETDTAAKIDG
SGTGGGAGNQEKPENNKANGDGGEEESTGGEETDGSDFMFGTSSSESDSGSGTKPRKKKAK
PAKAADEAASASTANRLDGFDDSEGYYKASIGETMEVDVDVDVSGDENENDGAASSKTQ
FRVLGVIGKGVFSSVLKCSNASASAPSLPTEVAIKCIRSNETMAKAALDETKFLVRLRG
SPGIVPLLLPAAGNHNHPDRHQLPGAALRPIEFKGTLLVFPYLPYNLRDVLQKFGKGVG
LALGAVKNYFRQLEALGHLEDRILHADLKPNDILVEGGF SRVLLADFGSALETPVHA
AEDAAAGTGAGVAGTYEVLAPYLVSRFYRAPEIMLGLQPLTHAVDLWSLAVTMGELFLGV
VLLKGANNNDXAPFDETAGERDILVVX

>comp14144_c0_seq7; 718 1 2267 LEN=2438; translated
RRPSLELSILSIRTRTRTDHRSAAHRPKQDKSQRSIGLLIRKGEEMVRVAKAETVAGGSDD
GDIDIDFGDLLLLSLGNPTAEREAAALERKRKRAERLERHAASVTNERQAGETDTAAKIDG
SGTGGGAGNQEKPENNKANGDGGEEESTGGEETDGSDFMFGTSSSESDSGSGTKPRKKKAK
PAKAADEAASASTANRLDGFDDSEGYYKASIGETMEVDVDVDVSGDENENDGAASSKTQ
FRVLGVIGKGVFSSVLKCSNASASAPSLPTEVAIKCIRSNETMAKAALDETKFLVRLRG
SPGIVPLLLPAAGNHNHPDRHQLPGAALRPIEFKGTLLVFPYLPYNLRDVLQKFGKGVG
LALGAVKNYFRQLEALGHLEDRILHADLKPNDILVEGGF SRVLLADFGSALETPVHA
AEDAAAGTGAGVAGTYEVLAPYLVSRFYRAPEIMLGLQPLTHAVDLWSLAVTMGELFLGV
VLLKGANNNDMLHSMKLLGPFSGRMIKSHLLQTKKHPLPAHFSQVQSNYVFRQETVDPV
LGQAVHKELSLVHTFKPTLQSKLLKAKSSKDSRTEVVRFAADLLSKCLVLDPHKRVSIQEA
LSHDF FARKHNEQDSSMPVPRMRRVRLPCILRSSSMEIMKQGSVETTSTSKNTSSINYSS
NSECHNNLGTGRPRREAKNETCSVEQIAISLFLNIPSCSVEQNNFITDNMSLRNCMIDPM
CENFDSTMQSGGTWFMA SVTTRKIPPLLVLEY

>comp14144_c0_seq8; 190 1 1189 LEN=1783; translated
SSNSSSNKNNPTGGHAATADRTNARETRNFGTTKRLSPVSPRMLLSLSTPTQWTA
TFSDVELVDLLVGDENENDGREDLSSLCEIRSTALRIREFRSLEREVL SRDGRDPIAPG
ICFYKPSSGSRHRAQARNEQLEPGPDQDQPHGAELVGLCERILEASSRSPTGSSGGST
NETTGSARAPLATLSGVRMMVPGRLKEHVFWALWVLLYERHRARRRGEFWRNLEALAN
DAATARDTEERGGPWTQIGHERERRRLVARLGAAWDCVSFLTVEHAAMRDERDTAEALAR
ALWAGGRDGGDRPEPKGLAAPARGHTGTWERSRDSLEFLAFPADAKEALRKEKQKRLSR
VRDEMRFILSDAPEDSHGEWTCCRQTDYHGECTA

>comp14144_c0_seq9; 190 1 1189 LEN=1971; translated
SSNSSSNKNNPTGGHAATADRTNARETRNFGTTKRLSPVSPRMLLSLSTPTQWTA
TFSDVELVDLLVGDENENDGREDLSSLCEIRSTALRIREFRSLEREVL SRDGRDPIAPG

ICFYKPSSGSRHRAQARNEQELEPGPDQDQPHGAELVGLCERILEASSRSPTGSSGGST
NETTGSARAPLATLSGVRRRMVPGRLEKHEVFWREALWVLLYERHRARRRGEFWRNLEALAN
DAATARDTEERGGPWTQIGHERRRRLVARLGAAWDCVSFLTVEHAAMRDERDTAEALAR
ALWAGGRDGGGDRPEPKGLAAPARGHTGTWERSRDSLEFLAFPADAKEALRKEKQKRLSR
VRDEMRFILDSAPEDSHGEWTCCRQTDYHGECTA

>comp14145_c0_seq1; 669 145 1386 LEN=1419; translated
MNVFKCLPVVLAVSCIGLFATDVEGWSCFPPSPAKKIVKEISRKSFIAGAVGGLVVGTTA
TAAGAAVAIERNAAASKGPYEPAGSLTDKVVLLITGGSTGLGLESARKLAAAGATIVLTA
RSVAKGEKSVEAVQSYLTKSVTGSKVFSVLVLDLDDLASVKAFPPDSYKKLGLGDIDVLMN
NAGVMAIPDRQLTKDGFERTFQSNHLGHFVLTAGLFPFLSRKATVINVSSEAYQFTGGK
FDLDNLNGEKKYGAWSSYGLSKLANILFTQELQRRADASGDSSWLTAVTLHPGAVQTDLG
RNIAGEEKWEKLTNEITLSPVESFLLNTASKFTLTVPQGASTQVYLAAGADGALKKGAF
YEDLKAKNLPAFANDEAKAKQLWEISEQLGGVEFKIEKPVETQAPPSPEESSA

>comp14146_c0_seq1; 409 1 1313 LEN=1650; translated
XKSLLPVCCIQNTFCDKCQVLLRIRHRLKEFLDRESKVTLEEGRRMKSGVLTITIAVLLY
SAQVNAIRSTTVASSLLGNNSDRPRSLLKIRGGDGGSSDNIIGNASSVTVVPEETLPQA
ISGGDVETATDVATEEDLAMKSAKWNGLNRNRLSAGMIASLGGLAYYKEDGLSVFVVF
LQAMMFREMSATIGGEDWGAIGATLRKYWWFATAAVVWNGPKVYPWMQKLEAVAFGMTV
TAGVVTSVLGFQHKKSGVADFREYIRQAAVSLLSAALVILPSSFWIGTLEDHGMKWVFP
AALVAINDIMAYVFGKLLGKHPLLPSISPNTWEGFLGAAFSTVGTAWVGLADSKGADPL
LGPGLGVTRMDGMVLATFASLVAPFAGFFASVIKRAYGRKDFGNTLPGHGGFVDRLLDCQ
LILAPFVYFYALYKFA

>comp14147_c0_seq1; 450 186 1868 LEN=1868; translated
MVNNTMQERLARSRRQRSIAYAQQKSSSTSCETSSVGGGKDNASVASAGSLSTTVTGNS
ASKLEERIRQQLRNKVDRSRFSVNATSAKPTKNEVVASPSPTRIANRRQRMIAISTKA
SMTNKMNRSNPSTPQTPKTPPEASAFPASSPCESLLYQSNEMEDYDGRHEPNSTGKITQK
LKSFRDLGTGPYANGRASPPPPPPPLPEPTHVKHANKFKTWNDKNNQKHRGHDPDSFT
SERQTSLDSASNRVGEHQYPSTAIQPQGGRVVSRSPSAATRPNMQASFPSQQQLRSNRV
VVPVESPYPSHQQFKGNHAVDSSPSHKKQFSGNNVGFPMDSPPSRQQFRSNRVVPAES
PSSSQKQFVGGRRVVSRPSTSSGSADSSYSSQQQKWNTHSTNGAAYSRNWSGNARTK
VNESPKMQRSFSAAKFGSPQAKQATIGGRKSLESQVSMYKHMLKPVQKETETKKSHEKEA
YGAI IETPEKSSVSSLHAMFN SQNATPLMPMNSTDARVRQSFGLPSPGSGKSPSSIKSG
SVVSSRFRPATETVAPQQQQQ

>comp14148_c0_seq1; 536 531 2345 LEN=2564; translated
MTLLLFNGFENNEDPFDELAQKRIDTAASPPVTQFSLCSDKEKSSPDWNDKILQLSFHEE
TSILYALSMESCIIYQLKILVDASIDGTDSDIDTTNSDSQLKRNSQCSCGDNSQSTVASNRK
PEFTLIHNWVTQNL SATCMTTLHGGGGTGIDTICVGYKTGYIEAWNIHQILSSPPPPKQS
GHWATQRKLETKKEVHCYLHWEGYMND SIRTLSFLFRGSDPQKETLVGGLDNTVDDTKAI
QNDGKEGFGTAKEYNLI AVVAISIRTADKGGKQNQPTSSMLKVLDLKRIMNDILKPSDLPK
VTKEMSLQKYVMADAHSMESIDGTSKLP LSNDRSPSRAPILESNGSDAACILGSI GTGS
QVNRRCVGITL PNGIVAMLSSSRNDFTVVTCEKQVLLSYPAIGSGQIDVVEANGKASK
YLVA CLRGGTCYLIPTPEASDSTNSIATVPFAHDIESDSSAVYIQAFTAGNLVVDRLILP
VLIYAWPGGIIDIYSSTLVP SKPNQTNEIPKIGNANEYILVRAEQRALQDLIDNDSLLLL
SKI IDEARIDSKHPLLQKEEWKELLEETKRGKATS IENIALDALCSIRHRSLHRILLSLA
LVDE

>comp14149_c0_seq1; 617 107 1609 LEN=1947; translated
MTQTITEKQRKEEGKRIKRQRIEEAGGVRPRDNIDGKKKKKSSSAEAIESKPRQTQNGSD
YIPSFKKNSNND SYGRTYDRNFGTNRVQPAKHRFGRVMEKVPCRNKPRFSTLSIALPGS
VLSNCQTR ELRTLLVGNIARAATIYHVDEIIVFDDKLGKMNKNYQNNRNGGWRDFKRRKH
DHDAHGREGDKKEDKQDESTEKTEGDDSERGERFEHRPRSTHEEFMARLLQYCECPQY
LRRCFPMHPDLQFAGLLAP IDAPHVRAEDRSKYREGIVMKKCSPSGNSFVNCGIRNRP
VEIDRKITPGIRCTVQIDPAAYGKASQIRGTVVAPSAPREDDGTYWGFTRMADSI NGVF
ENCPSDAGYDLKIGT SERGSKSVEDKSFGLPKFRHSLLVFGGVAGIEECVDADES IKIP
GSSSSKLFDLWLNTCPFGSRTIRTEEAVMISLAKINPFLMKSSSDKAMPDESQEEDDEF
SDESPSDESSDEEAVSSEEE

>comp14150_c0_seq1; 490 63 1676 LEN=1730; translated
MLSSKSSNCP SPLRTFKKKNGLGLYGAIIYQSAATS DLESHDDGSDDNSLEGIGSEDDPLL
ESLRRNLSLETNSNLAVPVLEKDDDDDEEEDDKHADRKSVHSALVGGASRSATTS LADAM
ADPDQVGTASVASEVMSITKNILGAGVLSLSEGIATYSNDPNAMISAVGWVLLGGMFGY
FCVLI AKICKMTRSATYRECWESTMGRGGLAVSIVSALLPAQGNLSATTVLSQTLQSL

ETFHIYWSRVTCLLLLLVFILLPMCLVKDLDSISTYSTIGVVSIGVAAISMVIRYYDESY
QLGGMYYDETKIEFRPSFGHETLWNATVLPFVCMVFNYSYIMHYNsprfymelkERSIPRY
ALSVGLSFGGLASIIILILIAGSGYLTFGKNSSSYILNNYSPNDPLATASRIGVFLSTLMMY
PIAFFGVRDGLDGFVPHYQTSRFLDFVSVLVLSLLTIGAIYFHDLVINTVGGGTLA
TLLCVIFPALMYRQLVVSLEKDVGQIAESWMLFLMLIGIVLGGGLGVYQSVVVESS
>comp14152_c0_seq1; 428 61 1152 LEN=1224; translated
MKGLNKFNGDDKANASTFVLIIVIALNLIGGVEGMLQPLKYAEPETLFPVLFESKRVLVV
RKPHGIGHDESSSFAAFDNKQRHEALSTPGVLRLLRSERQRQRDEEGERLYGVHRLDK
VTSGILVLAKDTLTASTLSEYFTKGIQKVYFGMSAKKPQKKKQGLVQGGMTRSRNKSWK
LLRKPKEGKQPNFAKTRFFFTGIQANQIIDQGGDVINAMSKVKTVMFRPYTGRTHQL
RVAAMGIPLLGDPYKDGDDKNNTGEDIELAAATRMLHASGIHIPKFLDQAEINWVC
SPTFFHDVQSMQDALDCSNISSKMASLADSLDVAVSKLMTKNCDVPGILEAMMTQOSKK
KQH
>comp14153_c0_seq1; 273 438 1568 LEN=1610; translated
MIGPRSDTNQTELREHMDIDADMTSWETPSTVLEVMHLKERTTYAQHDYFARSHPVAPCP
DSNPAVSDHSGRIPVDPACRSIMAKWCVSLCNFCNYDRYTMASVMSCVDRFVATPQGSRI
LFDRNDYQLVVMASLYLMTKVLESQALEPSSMAKLSRGKYCKADIERMELEILMALDWCV
TPPTPMAFAHEFVKHLGLCPDHENDQSCGSGMGEAESNDDSSCSAYSCEAASCCTTEER
IIELIHCQIKDTASDYELSCLHRPSHVFAALRNALESLDIDSSGMESMNVLKEKLDINA
DGLVDVAICYISEALLRIVSSCEEGLNNWSSALLMQRCCGLSSSSVSHDLKQRSGDPSLT
KTASSCIYSSPRAVAC
>comp14155_c0_seq1; 321 141 704 LEN=1298; translated
MSHRIASLWCGVESHGCQPTPFSHPLRLLFFDLLGSRSSRAHLPTRHFCHLPTGQFLTVF
VSEAGTVPPTDPGTTTDTATGTSIATPDATNGIINVSTDAPVVVNSNATNATLPLEATN
ATEASNATEAPTADAPVAPPTAAPVPAATEAPGASTTASSAESSPAAARTHGFSLALAVAC
LALFSVV
>comp14155_c0_seq2; 438 115 891 LEN=1485; translated
MTPSPLRTASVLALLVLAQLAAIATAQPGAQPGVATPDGIINVFRWVVPYNGPRQIEAEV
GNTIIFRWAQGIHNVYIHPTMNCDLTGAIEVGLPEPGSEYTFTEADAGTEMFFS CDVGN
HCMAGQFLTVFVSEAGTVPPTDPVSTPDTATGTSIATPDATNGIINVSTDAPVVVNSNA
TNATLPLEATNATEASNATEAPTADAPVAPPTAAPVPAATEAPGASTTASSAESSPAAART
HGFSLALAVACLALFSVV
>comp14155_c0_seq3; 438 115 891 LEN=1474; translated
MTPSPLRTASVLALLVLAQLAAIATAQPGAQPGVATPDGIINVFRWVVPYNGPRQIEAEV
GNTIIFRWAQGIHNVYIHPTMNCDLTGAIEVGLPEPGSEYTFTEADAGTEMFFS CDVGN
HCMAGQFLTVFVSEAGTVPPTDPVSTPDTATGTSIATPDATNGIINVSTDAPVVVNSNA
TNATLPLEATNATEASNATEAPTADAPVAPPTAAPVPAATEAPGASTTASSAESSPAAART
HGFSLALAVACLALFSVV
>comp14155_c0_seq4; 438 300 1076 LEN=1659; translated
MTPSPLRTASVLALLVLAQLAAIATAQPGAQPGVATPDGIINVFRWVVPYNGPRQIEAEV
GNTIIFRWAQGIHNVYIHPTMNCDLTGAIEVGLPEPGSEYTFTEADAGTEMFFS CDVGN
HCMAGQFLTVFVSEAGTVPPTDPVSTPDTATGTSIATPDATNGIINVSTDAPVVVNSNA
TNATLPLEATNATEASNATEAPTADAPVAPPTAAPVPAATEAPGASTTASSAESSPAAART
HGFSLALAVACLALFSVV
>comp14155_c0_seq5; 321 141 704 LEN=1287; translated
MSHRIASLWCGVESHGCQPTPFSHPLRLLFFDLLGSRSSRAHLPTRHFCHLPTGQFLTVF
VSEAGTVPPTDPGTTTDTATGTSIATPDATNGIINVSTDAPVVVNSNATNATLPLEATN
ATEASNATEAPTADAPVAPPTAAPVPAATEAPGASTTASSAESSPAAARTHGFSLALAVAC
LALFSVV
>comp14155_c0_seq6; 438 300 1076 LEN=1670; translated
MTPSPLRTASVLALLVLAQLAAIATAQPGAQPGVATPDGIINVFRWVVPYNGPRQIEAEV
GNTIIFRWAQGIHNVYIHPTMNCDLTGAIEVGLPEPGSEYTFTEADAGTEMFFS CDVGN
HCMAGQFLTVFVSEAGTVPPTDPVSTPDTATGTSIATPDATNGIINVSTDAPVVVNSNA
TNATLPLEATNATEASNATEAPTADAPVAPPTAAPVPAATEAPGASTTASSAESSPAAART
HGFSLALAVACLALFSVV
>comp14156_c0_seq1; 440 285 1241 LEN=1367; translated
MKPFAKTSAGRYITKKRGLSNLPSAVFVCALLLIAISCVGAEESDCSGLKRNKCRKSREC
SWVRRKNTRNTSIGLCVTKLTDDACKKIEKKFNCKRHRCKWNKENESCGAKNQKESDDD
NDDPFEDKEEVEGEDEDSTSEDSSESDDKDKDEATVDDEYGREITDDDVDDDRKTPENSS
EVFHKRFVDKLMGMDATHAKRLIDSKRVIICSYDIIITMGCVSREYDPSRIKLMVEGETN

EVLQVVDNSFLHEEYSENLRGMDGEAARRQINGL FVAICPNNEFNLDSDDQCMMKNL NES
RIKLMVDTDNIVEDIVFG
>comp14157_c0_seq1; 298 665 1186 LEN=1186; minus strand; translated
MHLPHRCVPHIASGRIVASPLFLFPGQRRGFVSLASAPAALLRRSAVSISVAASGSVPAS
DAGVLFSAATAAAAVLVVVVSAFQLAAVFAGWFVAVVRLLRKPFPPVSMPPAAAALLR
GIAVAVGTARGIAATPVSPVPAAPVALV LARAAI AVVSLAVATTTTTTAVAVFV
>comp14158_c0_seq2; 560 628 2790 LEN=3458; translated
MQSTNYDLVDDSSDESSGPCDKVKNPSRQGFGRNRRWGFVAKWGKTLYLATFLLGACLQL
PLRFQORRCQLDQSKMCFWGIT TATN WITQDVDHGRSDNTKSIALTIRNDENTNHGTSDWT
PNVIFGNYSMPITFGFASSSCNAINRDSRARIQQMFDVALLECYGFAFFEARNTISKLLA
ESISLSSANCLDFYCPMCHWILSMGYSPYINHP IIAEQSQYENAAEAARIAIYEQAHKK
LRNRYQYQTL SKELGLIDAMYLRFRPSFTNQTIGFESYSKRLKVLHETMVLKEGKGDSDA
MGFLADSIMILHSDNDGYHYFYQDDDQQTPEPGIAYAISLLEDCLLEESPDHPLCQHLYIHI
TEPSKNIPVRKAGVVADRLAIGSHATEAHLQHMPSTYLRIGRYHDAVASNVVAHESEDE
AYIRHGLVPYGPANHTAFLVHSAQLSGERKTAYRYADLLRDHYRNDLTKPDGPGTEEGWH
IWR TIRLRF GDYASILDDSDDIANVSGSQEHLLRAGETEKPVWPYAIVLGHYSKGVASL
WNNASGGNSIDSDSERLSQAMHHLRSLRDVIPKVDPSFRGMVAVANLTL SAGIEYYRQS
RTTIEPDTQSILQLFREVR IEQEGWAYTEPPSWYTSVALCEGTL LRIMGRYTESIAAFRN
HLKLV PENRFGLYGLRISLTVAGANVIDIQDATSRFNTASYWADADIQSSPPIVCP EIGE
>comp14159_c0_seq1; 275 1 1837 LEN=1936; translated
XVCPDLRIVDGSDLRRYRTHSR TIYKAFRGA IHEEIGASVHGKVADGCVEQLLPCKR NAM
DEM VADLSTAVDKLVAVESEEGNAAMLATIAIPQEKKS RKR SYHDSELPRQLPPVFKTYV
FGDDSGSSAARIVEDQTGASTDIVFGGRDSQNNQGSASRSLAPSR RNVEDC NNGQMNSE
RKLLGRHRRKALCRKRL EIAIRLAQRICQKIFHRTGFHVSAGISVSPMLAKLSVIEKPKT
VNLLL PWRSPDLLYFMPLRKMHEMGSRTHRALSEVAFSAVPSKKSNGTANILVRN LLEIP
REKIVESLLMMTQRGEDGNAKGSIT AANNRSSCEQKCDLILQRCRGLDCTMVEDDGGGAP
RTVSVENSFRRGTMTEVDVQ EALNELCRRLPPLVQDRAGWSRNPPLAYPTTLRLTVR TM
LSIDVSERQPGPARRKPRHITRSKQASIGAQRGKTL LVSTLRSTPEAEIERSAAFR TLRD
SVDPLVQDLLLRLDARIDVTRMNLAVTSFRD VATADLTSQSPYYETKKF SVNNNNTILDK
QLNSKSCIETNGSPYEKRKNQNPTVASSMKPSKSLTPCRNPPSF AVPRTSAEQSKNSRKF
ARTRIDQFFTRK
>comp14160_c0_seq1; 401 129 1601 LEN=2074; translated
MVSNETKSTCCGGNGR VVRGVDLNRDSQPNPTTKTNELVSEPTVYLT LGDGDFTYSLDL
TRYMASSTKEQPVKLILT GIDTLET LISKYK DSPSILEEIKVQGEQVPSLELSIRHGVNA
IVTNPKGKEEAKMRTQDAADHVVFHHPHLGTENCAMHQRF LAHMFHSGTNYWMKENGGLF
HLTLVEGQYLRWK CQEQAERHGLELLHQTT FAPPVSDYTI AKAANKGTAFN NNR YHYR
RHQTGKSFKTRRPNSKSITYTFGRIVDKGTYVTTHLPWQPLN SSSQDTVKKKSETKELNP
QLSMLSCPFCDKTFMEKRSLKCHLRDKHADMEHERSHLEPP I KKKLGTGDTCTLATTEK
RDIPIISCTHCSR TFQSTKALEDHVRAKHSAIN TYIAPDWAIAKQKEIDTLD SGLLKGA
DSSNEEGIDNKYDECHICGLKLVGKNLSQH FEDFVPKEG IETFSCDFCSKPFREERAKLQ
HMNFCKKRPQ
>comp14160_c0_seq2; 401 129 1601 LEN=2086; translated
MVSNETKSTCCGGNGR VVRGVDLNRDSQPNPTTKTNELVSEPTVYLT LGDGDFTYSLDL
TRYMASSTKEQPVKLILT GIDTLET LISKYK DSPSILEEIKVQGEQVPSLELSIRHGVNA
IVTNPKGKEEAKMRTQDAADHVVFHHPHLGTENCAMHQRF LAHMFHSGTNYWMKENGGLF
HLTLVEGQYLRWK CQEQAERHGLELLHQTT FAPPVSDYTI AKAANKGTAFN NNR YHYR
RHQTGKSFKTRRPNSKSITYTFGRIVDKGTYVTTHLPWQPLN SSSQDTVKKKSETKELNP
QLSMLSCPFCDKTFMEKRSLKCHLRDKHADMEHERSHLEPP I KKKLGTGDTCTLATTEK
RDIPIISCTHCSR TFQSTKALEDHVRAKHSAIN TYIAPDWAIAKQKEIDTLD SGLLKGA
DSSNEEGIDNKYDECHICGLKLVGKNLSQH FEDFVPKEG IETFSCDFCSKPFREERAKLQ
HMNFCKKRPQ
>comp14162_c0_seq1; 312 221 1497 LEN=1867; translated
MVPQNTKGDGAVDEDVAIEI SLKERGLLDASHNEIAGSESSIDETVVVPVIDMSKGTREE
VIAQLWDAATGVGFFSLVGHGIPGELIDEAFSNSEEFFGLPLNEKRKQSPLDMSINC GFE
HCAQVRPSTGLADQKESI QITARRGAMDRWPRLGGSERRFEDTARRLLEANRLAGELL
DMLQPMAC PQIDASDPHALSGSHTLWGPEGQCTLRF LHYPPQSPETTKALARDGYWRAGP
HTGKXLLIARHRRR VMSVSFLHPD SHCFGAPRWIAVSLRSLSTRIDSSFSLLSSILAAD
WCNLTLLFQRPGPGQSGLECCANPRATTGGASSCTKRLRWTRVDPVEGAI AVNIGDMLAR
WSDGRLYSNLHRVRLPEDASRARYSIAFFAQSDKSVVME TRSSEPITAGEYILGRIRSNF
ASTEK

>comp14162_c0_seq2; 355 221 1327 LEN=1697; translated
MVPQNTKGDGAVDEDVAIEIISLKERGLLDASHNEIAGSESSIDETVVVPVIDMSKGTREE
VIAQLWDAATGVGFFSLVGHGIPGELIDEAFNSNEEFFGLPLNEKRKQSPLDMSINCGFE
HCAQVRPSTGLADQKESIQITARRGAMDGRWPRLGGSERRFEDTARRLLEEANRLAGELL
DMLQPMACQIDASDPHALSGSHTLWGPEGQCTLRFLHYPPQSPETTKALARDGYWRAGP
HTDWCNLTLLFQRPQPGQSGLECCANPRATTGGASSCTKRLRWTRVDPVEGAI AVNIGDM
LARWSDGRLYSNLHRVRLPEDASRARSIAFFAQSDKSVVMETRSSEPITAGEYILGRIR
SNFASTEK

>comp14162_c0_seq3; 315 1 1402 LEN=1772; translated
XTIVLVLSILLVEQPLVSIHHPVYIHVDRGVNADVDIDQVIRAFRLYETNTIICCTSL
VLHLRPGIQYRQTEAIRIIRTEGQTPHIACPKRERISAAMVPQNTKGDGAVDEDVAIEIS
LKERGLLDASHNEIAGSESSIDETVVVPVIDMSKGTREEVIAQLWDAATGVGFFSLVGHG
IPGELIDEAFNSNEEFFGLPLNEKRKQSPLDMSINCGFEHCAQVRPSTGLADQKESIQIT
ARRGAMDGRWPRLGGSERRFEDTARRLLEEANRLAGELLDMLQPMACQIDASDPHALSG
SHTLWGPEGQCTLRFLHYPPQSPETTKALARDGYWRAGPHTDWCNLTLLFQRPQPGQSGLE
ECCANPRATTGGASSCTKRLRWTRVDPVEGAI AVNIGDMLARWSDGRLYSNLHRVRLPED
ASRARSIAFFAQSDKSVVMETRSSEPITAGEYILGRIRSNFASTEK

>comp14162_c0_seq4; 272 1 1572 LEN=1942; translated
XTIVLVLSILLVEQPLVSIHHPVYIHVDRGVNADVDIDQVIRAFRLYETNTIICCTSL
VLHLRPGIQYRQTEAIRIIRTEGQTPHIACPKRERISAAMVPQNTKGDGAVDEDVAIEIS
LKERGLLDASHNEIAGSESSIDETVVVPVIDMSKGTREEVIAQLWDAATGVGFFSLVGHG
IPGELIDEAFNSNEEFFGLPLNEKRKQSPLDMSINCGFEHCAQVRPSTGLADQKESIQIT
ARRGAMDGRWPRLGGSERRFEDTARRLLEEANRLAGELLDMLQPMACQIDASDPHALSG
SHTLWGPEGQCTLRFLHYPPQSPETTKALARDGYWRAGPHTGKXLLIARHRRRVMSVSFL
HPDSHCFGAPRWIAVLSRLSSSTRIDSSSFLSILAADWCNLTLLFQRPQPGQSGLECC
ANPRATTGGASSCTKRLRWTRVDPVEGAI AVNIGDMLARWSDGRLYSNLHRVRLPEDASR
ARARSIAFFAQSDKSVVMETRSSEPITAGEYILGRIRSNFASTEK

>comp14163_c0_seq1; 644 101 1372 LEN=1737; translated
MAIRSLLTAAFIAPLVAGFAPAPVAHQTAVSSANAIAPAPFATTSNSALAAVSDVGTD
SDKIYDAKETPKVLGGVKIGLKKLVVITGASSGLGLATTIALTKKGNHYHVMMACRDIEKA
KRVAKEVGLPKNSYTCMKLELASLQSVRDFVANLKAFKSARPLTHLICNAAVYRPTDPEP
AFTDDGFEMSMGVNHLGHFLLVNLLLEDMSRAKGARVCIVGSITGNSNTVGGGLVYPRAD
LGDLEGF EAGGVAPISMVDGKPFPGAKAYKDSKVCNMMTVSELNRRYHEDTGIVFSSMYP
GCIAETALFREKRDWFRKIFPAFMKYVTGGYVGEEEAGERLAQVIDDPQCSKSGVYWSWN
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GGK

>comp14164_c0_seq1; 575 1 1907 LEN=2657; translated
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VGGFGEPPDSKTWEGWYSKQKHMVKVRIKDQTYVNNHRFRQTRFLSRCTEHLREKYSNGQ
KGDSNRKKNVWMATLDTDEYLA INPWMLLENGADASGALPADRETVD SVMKLEPASVLRW
WVGKQNELQTKESLPSQHANRNHPVCRQIPRLLFGSVEAANLTVAADKVEPDTTYGFFP
KDGTKEFRFASGLPRSKSPMETLRWKYHAAPDDNRNFQPKVVLDVHSIPD TDQDIWGNHV
FTVHRPSRALCAPXDPQQLERDPAGGSKGKERSGPEECGRRSLPRGGLPLHRVSPAVLR
TAERP AEPPQAVPGAQHHHPRAQERPVDRSVAPGLCRGGGGHRRGETAGPEGAGPKIPQK
GQGAEGPEEHRCPAKVNPTQREGKMLVVPSEPRACIAERHATPCSMGRFPGPSRFGWV
WQKNYATIGKALRSFLRWKSRRVLSVDGFGIAHGFBVSSSELRFVQKEVRGVFNHPFETKA
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>comp14165_c0_seq1; 827 114 2651 LEN=2798; translated
MIATRVP AIFGFGSVLILMLCGLPSCAATGYTIPHRNSSNSNKRVD SHRVLEDTASETSN
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TETEVGDDTADQEEVEVSEITNKSEKSKKDKKKSNKDKKDKSYKSKSEKSDKKE
KGSKSGKIKKDKSIKQSKKTLSPKSSKSPSPSPDDEGFTPSESWKISFNGAVDTGFLF
YDSTTKYAWAYANADFGVDEVLVSKSSASAVDGTVLESHTVIEGKDSVTMGRICPIDTTK
KGEVIEETMCI DIKPPKEWQTATSTTIQSAEACYASVTGAVFKLAVVVKDTSKFMQFYDEL
VGGRLIVYDISLAGKAQDPIIAEVAYEGWESLYGDPTINGRPSFSPDCRTVYSTWLTSGT
VITETEGSTVIINLEPTATTTVA INVDSVANNETPELWRLGTNSRLAGLTASKDGKTLY
SAINVAEGDSLRSRGMVALEAATGKIVQQYAFNPNTGGVPHSAYTNVVDLNSGHTYHVDLSL
YGLVKFEGDDLNDGPIIWSVIGSDTEMTDQII EENTMKTRHLNPLRPDKKEKNIVTGEE
RTQT VETKSSVVADEIFTAFK PALDASKYSTVYSCGSAVDNEVDLSIALD TVEGESVWF

TALGSSGVSKAETKSVSGDETDVVDVVGSCSGITDDVWRWAPSSAAGPESEGIYISRGNKVQ
CLDGKNGTILWTYDAMGDHDISKFAVVSGEAVLVANGGSVVFLETREPTPSPTIAPSPLL
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LFLWQ

>comp14166_c0_seq1; 371 182 1327 LEN=1819; translated
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GFLRGAPFLECPSSRSFSVTKRSGSKSSVGVNSNGTDGDCGCGEGTGDSGERFGIETEPS
EIGKLLKSTELTNIDGSRVPLGDYFGDGDATIVVFRGTLRESTAGVXANQWIDYEEQLQ
HNQQQQQSSASLPTNGATTTSATSTTNRFSIGGPIFVVSIGSVEQLRTFLEENPRI PRDRI
LVDDYRHRYSKETMRFRRFDDAESLESVFS DGSIPQILD LARKLVVPLFTVVGVQRLRS
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GDVPAPADVYNEALSVLQRKA

>comp14167_c0_seq1; 304 209 1768 LEN=1768; translated
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VSRVFRVEDVPKELHRRVLNQWTSTAPRHLRPKVQMKQQMRHHC SRGEEEDRVCEHGNN
NYTEGECDYSGQQVQRRRQQQHMQTEFIPENTPTVRQQPASGTAGDPHRGLPNNNDNNDNI
KNEYDDD GKTHRLLRRPRLCREARPKVRSYQKKVVNLDHRKVWIFLRDNPSDTARNNLHP
PQNNCDRQRPKQKHWSMQVVVSEVLKLRDIEFYNGAVFGYDEAKAEALLLRNGFIDER
DFHRPPAITSNPSVYKWRAEASLRTLSTAEACRVLISGRGKGMASVTTAAEPPSSQGH
SDTTTGTALPDRAASDACPTSCWPATAASASQNIPPFLTKRRCRARFSSSGPYAGSKQK
SASSRPRFLRDADRWEKPFLLSWVGKQLTIVLSNKKQLDCP

>comp14168_c0_seq1; 137 543 1364 LEN=1425; translated
MNTRGLLLPSRRRLSGIGALGDHTVIRNTIFNENQRLWGPFIGQLQLVPSHRMASTVSSS
NQSEFKKRESSETIRSGSNTTGKSPNDKKNQNTPEPSKLVASDIETPDEF SFKAMMKKYG
VVFFGTYFAIYCSTVLGLFMSVQSGHLDVIYIISLITGTSSPTDPPGGVADPETIQEAKST
VKHLVEFLESYTLTKPVAMPVEEYPSIGNLAI AWIATKFT EPIRFGATVALTPPIARFLG
YKRVSPVIENAGPIDIVSADQKGGTSSSEKTSP

>comp14169_c0_seq1; 87 32 776 LEN=776; translated
MARVILTRNEKNRSLEQHKALTRCIEGTIQREHDCCCSPDHDNSCQGNIPLEIIVDHVTP
FLDRTTYNSFLLSRRRAHSILTTPRWQSDPLLSQQEQQQQFPWPVKVVAR DHSCRVRCL
TFSDDHSL LACGCFDGKIRSWDVRTGELPLPYEGHWPDEAVVAVAYSSSNRNLTKWNRK
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FASTYMHCX

>comp14169_c0_seq2; 329 32 1867 LEN=2129; translated
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FLDRTTYNSFLLSRRRAHSILTTPRWQSDPLLSQQEQQQQFPWPVKVVAR DHSCRVRCL
TFSDDHSL LACGCFDGKIRSWDVRTGELPLPYEGHWPDEAVVAVAYSSSNRNLTKWNRK
ANNRRMLASSSTDGTIRIWRVQPNPETRRAGTCGDSWSKAETYSKTAERVQPLANGTASV
FASTKRQRTATVGDGNECEGVTKNSPTCLICIAADHAYSLHFS PDNSYLVSGHLPVSRT
QATLQLGETIQIWDVWTGIRLRLRLEGGGVPVAF LPSQTLPRDPSQLNSQKSYDYCATNDD
QENENKNGTSSASRTEHRLISSCGPSKCFKLWSWSDGTRCDNTSNIAATEGDTVLENDRCV
QRWFLDPFNTVVPVPTGAMATGGGNDRSTKVRCELLVASIDGPDSFAIWNTSEPGKRRTF
RNTSPYEIQFSPDGRKVASVDDFNKVKVWRVSDGTL LQSFSGETYCEASDGGYGGSSGCS
RCCRRPCGRCSSSNTVTKENDGFEESSPTSSSGGGSGGLFPIHELAFSKNSSTVAVIS
RYYNEVHLFSA

>comp14169_c0_seq3; 154 1 510 LEN=772; translated
RSTCTENVRCELLVASIDGPDSFAIWNTSEPGKRRTFRNTSPYEIQFSPDGRKVASVDD
FNKVKVWRVSDGTL LQSFSGETYCEASDGGYGGSSGCSRCCRRPCGRCSSSNTVTKEND
GFEESSPTSSSGGGSGGLFPIHELAFSKNSSTVAVISRYYNEVHLFSA

>comp14170_c0_seq1; 272 216 952 LEN=952; translated
MFRWASTRANEDGQNMEPTFRVQSKHPAQSKKTAPSPLGVNINHTNQNGLRPPQTITYV
SPTSAEDRNGNYFETRDVQPQM QESSARYVSMDDEREAPATSYQDISNQSLARLEKLDPS
HPMVSGRSRTSQRAPALDLKHNDSSFQIVASLIVDRFEDHLSNRETKSIRITAGDTYHME
RVVPDKKQFIDAVKYRIQNCPENSSKQIHKVTRQCHVLGLDRKGESNLLFAPIGSHFELT
VSLVTV

>comp14170_c0_seq2; 649 216 2219 LEN=2383; translated
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HPMVSGRSRTSQRAPALDLKHNDSSFQIVASLIVDRFEDHLSNRETKSIRITAGDTYHME

RVVPDKKQFIDAVKYRIQNCPENSSKQIHKVTRQCHVLGLDRKGESNLLFAPIGSHFELT
KINEEEMQDRTLDRREAVDKAKPLTPEDLAREQITTELKEARNLLAESVTPEAAEFWTNQV
VDLQKKLRALDNGAESSFPTNKNDYGSYFKSQEGILSNLWQTLGYAPSKQEKDIELTTS
PVSSPVPSPVSESDVSAEEKPEENEKPIVDVVPADLPGGYQFEAELNGRRFIATVPVGG
VQKGKTFYCYMEETNGTDALYGRWRDELTDIYKYGPKHPMTLVSIVCPLLALSVMKVG
LDITGQKAPRTVSQTGLWSPRGMALSMLSLWAGLNVITILFGFELKLHAYLALSAADFCSI
ILVNLMLAFTIFATVNRNYIVQKFEIPAGKYGSLAETILSAVFFPLSIAQMGRHTVCY
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ILKHEEP

>comp14170_c0_seq3; 198 216 666 LEN=666; translated
MFRWASTRANEDGQNMEPTFRVQSKHPAQSKKTAPSPLGVNINHTNQNGMLRPPQTITYV
SPTSAEDRNGNYFETRQVQPMQESSARYVSMDDEREAPATSYQDISNQSLARLEKLDPS
HPMVSGRSRSTSQRAPALDLKHNDSSFQIVAX

>comp14171_c0_seq1; 326 1 1982 LEN=2144; translated
LAKPHLHEECPRLLSEGDVATDDADDLEAFLQATKRIVDISKLPCKRHCYDALCGTTAA
ELSGTFFGRAANAGGMFSSNASFSSAATPRTIASEHEHLGGFESTRTATAATTAGDVDD
DQDLRQNIAGLPSVIKNLDRACRFNQGKGGGPNPNASKKKWNSEFVRETVDQYEQYL
KYFYNEEDLDGSSGSSPVSKEMKELFFAPETTQAFVAVLRCRLPTHVLSRKIREWERYIG
SMGATKMTDDLSSMLEANGKAGNIGRAIQLLSLRKARDYPPREQEFVHTITAITAAGLY
LRKNRNIFLPEQKQPKIDDPTRWLDAILINMNQRDVALTTKMANRMLNAFARTGRTGKTT
HFFYRVVRKPIDGESNTDGESESAENPTANHVDMATFRDRPVEVRLKMRPPPPYHKIPS
QVRGKLVKPKGSNLRQLKLERESDPDWSPVLTSAISFADSLKQGACGHDPVELDLVSYSI
LMRVCVNRGSLWRAMHILDEVMPANKIKPDIWAYNTLLIGLSRVGDVPTMKEYSRKLLSE
GLSPTKETIGASIDGLNLGADVGAAILSLCQDCFNQYSVLPPTYTHLKILEMTLGRGLVYE
AKRHVSFLQQLWKWEPNKYHSKEVSRVLYATQNNPSSLSREALQKMFAYFGYTLDESDF

>comp14172_c0_seq1; 437 236 1508 LEN=1508; translated
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EDWAARYGENGIFECNIFGKKLIVLYSDETISALDKHRPYDIIRRSRTSEVLDSLGLATGI
LTAEGAQWKRERRLVGALNRKNVVDYVSVAKLVASRLVQKWEDAMEEDGSVLANDDLLC
YSVDIISLVVFATDVNSVQTGDKGICSEVQNVLSRAALRIFAPFPYWNIPVVGQYLDGAG
FCADRAKTTMRGILRDHESPPPQGDHPRGEDGTTPRVRKTFLLAKLLALTEEKGVGLSED
RVIGNLITMFAAGSETTSVTILDICIYELALDKTLGGSLQDEIAGEVLEMFRGASGGSGNG
NGNGX

>comp14173_c0_seq1; 568 364 1841 LEN=1960; translated
MEPPAEWPPQVRESYEPLRVLGVGFGSVVLARETKPPPEAPADGRTRPKKVAVKMGAV
GNNKDDYDDEEQQDMAVLYARREIEILQHVSHPGIVRLFHFWIVEKETASDQAAAAVLVL
EYAKGPTVESLLKHGGALSTTFGQVVIQVVDALAYLHYRAVLHRDIKPDNIVLVTGALSS
DASIWNDNDEHDPSEKPDWAALRKKYKVTLIDFGFARALTPGDVAKPNQETMKKDARRAS
YHELLLNENAKAGASGEEKDLSERSRKSLGSSMGRSIRKRLSGLAGGDSIDKSNRSAMS
NDSLGSRRSVSHGLTRTMTSLGNRNFAAPEIINNVRKSPKDKASTGGSKATPGSSETDG
KAEASEAPITETILEFVADYGLLVDSYSLGQAIKYMMTGXPPGQGGSDPEPGTEGPPG
VALPVPFKPGGFFPEKAVRPVPGPERPARQDLRADRPPAGGLDAEAGLGPKGPADRVDRR
DPGGGAQTTGA

>comp14173_c0_seq3; 517 364 2129 LEN=2312; translated
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GNNKDDYDDEEQQDMAVLYARREIEILQHVSHPGIVRLFHFWIVEKETASDQAAAAVLVL
EYAKGPTVESLLKHGGALSTTFGQVVIQVVDALAYLHYRAVLHRDIKPDNIVLVTGALSS
DASIWNDNDEHDPSEKPDWAALRKKYKVTLIDFGFARALTPGDVAKPNQETMKKDARRAS
YHELLLNENAKAGASGEEKDLSERSRKSLGSSMGRSIRKRLSGLAGGDSIDKSNRSAMS
NEASGGPEGACPTGSRGPCRRWETGKRMVCVCVCLVCLCFLFRRWFFFLGWMDGWNDSW
TIGVTLIQVLSLQPVSYGMFSLFRSPKNRNFAAPEIINNVRKSPKDKASTGGSKATPGS
SETDGKAEASEAPITETILEFVADYGLLVDSYSLGQAIKYMMTGXPPGQGGSDPEPGT
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RVDDELLAAGEPKPPEDGTRLYALDKLSYLPFAEGSANATPGVQAGH

>comp14173_c0_seq4; 552 364 1932 LEN=2115; translated
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GNNKDDYDDEEQQDMAVLYARREIEILQHVSHPGIVRLFHFWIVEKETASDQAAAAVLVL
EYAKGPTVESLLKHGGALSTTFGQVVIQVVDALAYLHYRAVLHRDIKPDNIVLVTGALSS
DASIWNDNDEHDPSEKPDWAALRKKYKVTLIDFGFARALTPGDVAKPNQETMKKDARRAS

YHELLLNENAKAGASGEEKDLSESRRKSLGSSMGRSIRKRLSGLAGGDSIDKSNRSAMS
NDSLGSRRSVSHGLTRTMTSLGNRNFAAPEIINNVRKSPKDKASTGGSKATPGSSETDG
KAEASEAPITETILEFVADYGLLVDSYSLGQAIKYMMTGXPPGQGGSDPEPGTEGPPG
VALPVPFKPGGFFPEKAVRPVGPGERPARQDLRADRPPAGGLDAEAGLGPKGPADRVDDE
ILAAGEPKPPEDGTRLYALDKLSYLPFAEGSANATPGVQAGH
>comp14173_c0_seq5; 533 364 2038 LEN=2157; translated
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GNNKDDYDDEEQQDMAVLYARREIEILQHVSHPGIVRLFHHWIVEKETASDQAAAAVLVL
EYAKGPTVESLLKHGGALSTTFGQVVIAQVVDALAYLHYRAVLHRDIKPDNILVTGALSS
DASIWDNDDEHDPSEKPDWAALRKKYKVTLLIDFGFARALTPGDVAKPNQETMKKDARRAS
YHELLLNENAKAGASGEEKDLSESRRKSLGSSMGRSIRKRLSGLAGGDSIDKSNRSAMS
NEASGGPEGACPTGSRGPCRRWETGKRMCVVCVVLVCLCFLFSRRWFFFLGWMDGWSNDW
TIGVTLIQVLSLQPVSYGMFSLFRSPKRNFAAPEIINNVRKSPKDKASTGGSKATPGS
SETDGKAEASEAPITETILEFVADYGLLVDSYSLGQAIKYMMTGXPPGQGGSDPEPGT
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RVDRRDPGGGGAQTTGA
>comp14173_c0_seq6; 323 364 891 LEN=902; translated
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GNNKDDYDDEEQQDMAVLYARREIEILQHVSHPGIVRLFHHWIVEKETASDQAAAAVLVL
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>comp14174_c0_seq1; 403 1 1489 LEN=1710; translated
QRPDETEKITAEEAKPLDARQALDEILPGAGRVHGGPGRSQGSDPLPEIPQLFGGFSV
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YLEQDWILAECIGYGKYSLVHIPTETKECGSSSYNVFEANQGKTSPTGKKSSKRTSGS
SSSDHKTATGMTGHGCAFRVSPRDKQVMAALVQAEREERDRVKRWKLPNRNAWHPKALV
SRDEFALGALDFRSDCGNEGNNGMGDTTMVEENDGGESREEKGHNAAANTSKRSIVIH
PSPLIIRTGLDRMYIMDQFVTQDFVHGAGNRGRIDETSPNTILTKTRDLAMSLSCDLVCN
DSITSHIQQNRMVRSFQKDPHQGRRGTTESNLWVEEPSKLLAVGEEELAITAPPIKEEAP
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GIERYEIEIDTRCS
>comp14175_c0_seq1; 222 1 753 LEN=1265; translated
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GKVEKEMVFWYFGHEEYDKLCHSFKDLIRDAGRNELFTDGEWGTIDGRFARILLCDQLS
RNCFRGTKEAFQYDDVALSLAKEMSLAALSNTSRSEIHGMYASILTPLMHSESI
LGRDLIEWGKLRNPNLSWGTLTAFLEHTKVLEKFGHYPHRNRAQGRPTTAEENWLASP
ECPGWAKSQY
>comp14176_c0_seq1; 498 162 1785 LEN=2631; translated
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RHNFEAGKNGEKCNETNKNFAVATKLVQQLRVGTIAKLRTNLWTMSPPCQPFITTNGRDK
KGSDRRLDAEDKRCNGLKGIISLLDALRRISITGNSHAADETEGANAIEDPLPRWILLEN
VKGFANSEMCRQWYECLNRNGYSYKPYLLSPIDLGI PNHRMRFYVLAERTTRSPRWVVP
QRQQPQHNHADVNDPDHGDQSTTVVPIHDAASLPNRSSSWGGQAGTTPPTIQTIGTYV
FDDDFYAASCDEPGREQHAARDGSAEASRPVVPMSVLSKPWAKNLGIVTKKDTITHCFT
AGYGR IYHRSTGSLWGMGDDTERDDRPLSEVPLDRSDMTAYEGKLRFRFTPEELLRLFGF
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>comp14176_c0_seq2; 530 1 2213 LEN=2511; translated
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LVFDESITTASVEDQYNIIDVSYGGSENESENESSSSSSASTSSSASSASSSSSS
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YSNRGFESSRAGREVALLLSSDRSGVATLDAQALATVPMTIEQARTVVQPIAEAIARS
TSLHTLVFTGPNFNDNNTGNNAGSKRPPQPQPQIHTHTHARTLESRAEMLGTILSD
GLLPNTSVRTLVLVLEGNYSFDRYAGSIFGNLLRLHPRIRRELELRNCWWQCQSPSHTNSNS
SNSNSNSKATSNHQHSNGSSSSGWNALLLGLQHSKSVKELSLLENLPPNGLSDSDLDGISL
TMGYLQLESRLVGVGLQTIHPESLVVFFRAIQETPSIKDLDL SKNVLEGRSSHSLFLLS
RCLSGATVDL FQCHRHGHDRHQTYATRSFAFYHRDDCFEVHHIERLTLVDCGITR TSDLK
TLTSALSSTSGNTSSKSKSKHPTQAEKNPNRLNDATITSSLDVSGNRFNAGAKVLHEWI
SAHPNVKALGMLSCNVS AKHLKIVSDRLRYNNSFLQAIGLGSEMSLAILDSVSTMENVLG
GVVGGSGTSTVGGATPT

LGALRFGNPLPTASLGAEVRSAAIARFPGLEFLNASRISHEERLEAERRVTVLVSYSLQ
KLNREVPVPGSTGTSGTGDGRGGEDSPERTAILDDHPRYPELMEKHNLKLAALLTKGTSGGG
SLAASVYNLTIRSMAAASCTMDPVVRRLLPGSMTVERTRALCSRAFGVDYDLVRLRFRFTGG
DDNGCLPVEMDEHDHRTLDDYGLCDGAEVLVDEADPRAVALESERTERDLERRMADHGRTI
AAMQKAKTGGEGAAADADAPSIIPAPNPRARRNATAGPQGLFWPGDGSRWQPCCLLWVWPS
NPSACSESNKTVGATERRPMRCGKNTSETQAVGTNMMEGGGVARSATKSRVESASRPNET
TSSTSSNYSVWIRCTGALA

>comp14180_c0_seq1; 570 220 2223 LEN=3048; translated
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NNNKNKNKNKNDPNFIPAHEQLLSSTSRREPGNIFSGFSPSQSDVSPLPSPATTNITPLK
VMIFIDGTWLYYSIYERSYERDVIAQKLGKYWRAELTPDWSRLPTVACQALLEDPKSKWS
AIMPIGADASNESPSPSTTTVPARPIEVSRSVSYSSMHRDTPKDSFRYKMFADMMKAGFD
VNMMEVVGKGEKCVDIQLAVDMLYYATVPDAYDVALLLTGDRDFLPAVIRCRQKGRRIGL
VSMRTGSLAFEDTPNLKDYDTIWMEDYLSKWIREKTPQEMVSMNGLRGGKRPFSSSTNGT
QQLSQISAHTLNKVITNFIKESGAPRVSSRDMGRHLKALTVGERSMLDEIKAVYGGGLYQF
LVLAEIYRVEADSRRAFKAFVWSMQIDSKMTKKEERVREDEDLSDNEKKFLTMYEQWVPTD
KNKEYHFTMTPEDLKKSPLSDISSSRVMPESLEDESPSVDYALTVPPELKEICRKRGLK
VSAKKKIELIERIEASVSSEMQEPEIKVAESSPEKYLQSLVLEYLHASGGQASSRDVGRY
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DSRQKLS

>comp14180_c0_seq2; 570 220 2223 LEN=2338; translated
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VMIFIDGTWLYYSIYERSYERDVIAQKLGKYWRAELTPDWSRLPTVACQALLEDPKSKWS
AIMPIGADASNESPSPSTTTVPARPIEVSRSVSYSSMHRDTPKDSFRYKMFADMMKAGFD
VNMMEVVGKGEKCVDIQLAVDMLYYATVPDAYDVALLLTGDRDFLPAVIRCRQKGRRIGL
VSMRTGSLAFEDTPNLKDYDTIWMEDYLSKWIREKTPQEMVSMNGLRGGKRPFSSSTNGT
QQLSQISAHTLNKVITNFIKESGAPRVSSRDMGRHLKALTVGERSMLDEIKAVYGGGLYQF
LVLAEIYRVEADSRRAFKAFVWSMQIDSKMTKKEERVREDEDLSDNEKKFLTMYEQWVPTD
KNKEYHFTMTPEDLKKSPLSDISSSRVMPESLEDESPSVDYALTVPPELKEICRKRGLK
VSAKKKIELIERIEASVSSEMQEPEIKVAESSPEKYLQSLVLEYLHASGGQASSRDVGRY
LAANKVSYERRRIEGSMAQRMSALLELKEIYGLNAFVKNVHYLYTTSSEGHEFNICIDK
DSRQKLS

>comp14181_c0_seq1; 589 229 1328 LEN=1684; translated
MKIPSACSVVIVLAGVAVVVRGFSVNTIARPAASTSPSGIVGPPRTELFGAGETSGEDAS
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ISEKEEKDTQEGEPEGEVSSAEVDESEGATSEEPDNEDETESILSEADPTEKDAAVEVE
ENKDEGKGIDALEPYANTFSTINPPFDKADPRAGSKASGKGNDDGGVKLEVVAASIA
AKEVAADLLSFIRFGAANLLTSSLPETQREELLRRMGAQMLPPGTTATTIETTAEPEDAR
ASINEEIALARAEEEAQASXEKVGEAKTMQVCVVRQGGVKEMLEESAIQAHVDEIEASMEE
EKRPAE

>comp14181_c0_seq2; 467 1 1164 LEN=1466; translated
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>comp14181_c0_seq3; 462 1 1291 LEN=1593; translated
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IVDQHRVGMMAALKTTINKKVQKGEDLGDLGDEVFERVLVEVYPEQEGEGDRFAEK
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>comp14181_c0_seq4; 248 150 902 LEN=1258; translated
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>comp14181_c0_seq5; 862 229 1455 LEN=1455; translated
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AKEVAADLLSFIRFGAANLLTSSLPETQREELLRRMGAQMLPPGTTATTIETTAEPEDAR
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>comp14182_c0_seq1; 1306 196 5837 LEN=5944; translated
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>comp14182_c0_seq2; 1365 196 5751 LEN=5858; translated
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LADLPVLSAHQVYKEVGCWHTAAYADRDSNLIIYVTKILSYSGSVGTDGTCWFRTRADA
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>comp14183_c0_seq1; 331 1418 2386 LEN=2760; translated
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DSPLPNGSGPSPAGIFTPD TLNYGLSSAMDFDPK LLEDNKFRKDI EKLSRVFETKLAAL
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>comp14183_c0_seq2; 359 992 2311 LEN=2685; translated
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GAPPHANLHPLRAIFVIPTKPAPTLDADPNWSPDMLDFVRACCQK DASQRRDSASLATQA
FIRKDV MALRAMHAGEVPTVDADAKAKYRKLAE SQNSKPGLPALRRVMERM RKKLD
KRGEETAKNTE SRNDTGSAISRNSSAPQTNGQLG PLDMSNQATLAISSRN VSEYNTGDS
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>comp14183_c0_seq3; 409 150 1745 LEN=2119; translated
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VCASIVLGL EYLHG VANVCHRDIKCGNVLLTS DGHVKLADFGVSAELSNTLNKRKTVVGS
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PQTNGQLG PLDMSNQATLAISSRN VSEYNTGDSPLPNGSGPSPAGIFTPD TLNYGLSSA
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>comp14183_c0_seq4; 332 150 1820 LEN=2194; translated
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VCASIVLGL EYLHG VANVCHRDIKCGNVLXNQVSP I P S P IGETPRSEPI LTIADAYSD
GHVKLADFGVSAELSNTLNKRKTVVGS PYWMAPEVIRESHYDGRADVWSL GITCIEMAE
GAPPHANLHPLRAIFVIPTKPAPTLDADPNWSPDMLDFVRACCQK DASQRRDSASLATQAF
IRKDV MALRAMHAGEVPTVDADAKAKYRKLAE SQNSKPGLPALRRVMERM RKKLD R V
KKRGEETAKNTE SRNDTGSAISRNSSAPQTNGQLG PLDMSNQATLAISSRN VSEYNTGDS
PLPNGSGPSPAGIFTPD TLNYGLSSAMDFDPK LLEDNKFRKDI EKLSRVFETKLAALRTA
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>comp14184_c0_seq1; 762 1 2978 LEN=2978; translated
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FQIQNNQLDSPLNDGGKRAVTLTETNHVSDDRFIAKCSNAPRTFLNEDTCQFSEDACYAA
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AVGSQDFTESYLSYYDIFVRHAFGNFYDIMKEVYHPIMSRMLTYRDGLSTGYSIVRKS
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>comp14184_c0_seq3; 545 674 2491 LEN=2681; translated
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FDRSQGEFDFKINPKTEQPCE
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VDPYDTFVGTGVLGRAKDVLTQKGHV
VNAMSVNGASVTLTGT
PGLSTSM TVVSSGGVSPFGKRP
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VEVDPNIWNRDSSSLHGK
LKIARLIKIREERNADR
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WGGNYWMLGGNVRGGRVVGKYPDDIT
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>comp14184_c0_seq4; 1676 1 6542 LEN=6732; translated
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GEDG
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PCDESARYRRYAF
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GLSTGYSIVRKS MFLTPDENYARE
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REAQDHILDADPT
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PVFKFN
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IPSVF
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IVSAAEMV
SPESQILNGP
NAVTTMNLFL
SHLKYGPSNCY
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GWTNKCEIGN
NIYNQGN
KYLPSAYGL
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FARTITP
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>comp14185_c0_seq1; 254 463 2403 LEN=2493; translated
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SRALPGRMLDELSTQLSLLRTEKALSGEYESGRALRLLLKLGFNERPENGANRRWSQS
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>comp14186_c0_seq1; 162 133 510 LEN=988; translated
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>comp14186_c0_seq2; 162 133 510 LEN=818; translated
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>comp14188_c0_seq1; 226 1 1161 LEN=1513; translated
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SDGKKILSPQDFMAEEKYEFAPKGSATTPPHKLSHTFKFKDYAPVAFAYIRRMFGVNEFD
FLLSVCGNANFIEFISNAKSGQFFFYSSDGKYMIMTMTNSESKFLRRILPHYFRHCTENP
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DNDLRKNLRENAF SFNPEQIRFRDQIESDCNFLRKMQIMDY SMLIGIHHI PPKMASQRS
NIADTGFKIQEHRAPRKS NMLGVVADTDNGCDSTSKSNRSLGSDTANSRNQDVVLDGND
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>comp14193_c0_seq7; 892 149 3066 LEN=3486; translated
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SKAARGINAQTVRKFKVIASLRGSGMRRGKPPRVPPGLGAGPQHKLHNSDYTIREEDEKQ
IYCVEEEGGSDHQEVSEISKRNDDGIPTVVSTSNESIKNSASKSHEGLVNAGVEQTSTN
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DPHNMLQVQRWRRKKKDGKKERKSYVKGKVIDGRHELYTSLIAVMLGVRTSIARTNTIIS
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FLLSVCGNANFIEFISNAKSGQFFFYSSDGKYMIMTMTNSESKFLRRSECKIVTFLRFQM
QLSFFAWWLSLVFLQRPLSCELQYCRITTFVTAXENPNTLLAKFYGMRYVKLYHLRRNVKFI
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DQIESDCNFLRKMQIMDY SMLIGIHHI PPKMASQRSNIADTGFKIQEHRAPRKS NMLGVV
ADTDNGCDSTSKSNRSLGSDTANSRNQDVVLDGNDSTKHLIRDIRENAYSNSNF EFAGLL
EDEDDCSYLEGSENYNKQFARKIRAYQQHPKYNDIEKKKEHTIEQIYWPFFHRFFDINGHR
RMKPKTDSCISDGVS DLIKAWKIPEFVPPLSDRKDGVMMDTSHLKMPMVF DGKQKMTY
EGKIYYMGIIDILQQYNARKRAETRYRKIEVRGRAEPSCVSPDDYAERFLSFFDEYSQKA
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>comp14193_c0_seq8; 695 149 2511 LEN=2511; translated
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SKAARGINAQTVRKFKVIASLRGSGMRRGKPPRVPPGLGAGPQHKLHNSDYTIREEDEKQ
IYCVEEEGGSDHQEVSEISKRNDDGIPTVVSTSNESIKNSASKSHEGLVNAGVEQTSTN
VKSHPRQSVQKVHFDEGDQSSKQRKLDPYSTIGLEENQRDIPTEVVAETMDVGRKVMGAM

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FLLSVCNANFIEFI SNAKSGQFFYSSDGKYMIKTMTNSESKFLRRSECKIVTFLRFQM
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IIMNSVYYTDKSIQSFYDLKGSEIGRSKAGQDVLKDNDLRKNLRENAFSFNPEQIRFR
DQIESDCNFLRKMQIMDYSMLIGIHHIPPKMASQRSNIADTGFKIQEHRAPRKSNNMLGVV
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>comp14194_c0_seq1; 801 66 2306 LEN=2331; translated
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AQGMSIAKSI LNKRKNNCVAVIGDGAITGGMAYEAMNSAGYLQSRMIVVLNDNGQVSLPT
GTPSAGGTVPASQLSTYTSNLLVSKPFQDFRDFAKSFNKLLEPQVSVNKRIDEYTRGLV
SGGTLFEELGFYVGPIDGHDLDNLIPILEKLRDPSNKPVLLHIKTTTKGYGYPPAEAAAS
DRMHGKFNLTGAQFKIKGGEPSTSFIFANALIDAAIEDRSIVGITAAMPGGTGMDIF
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RVAVLSIGTRLHEALVAAQVEVEDEHEDLSVTADARYMKPLDVLVRLADDHSLVITIE
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ILRLAKKIEIPILDEIPVDNSESTIA

>comp14195_c0_seq1; 476 1 1917 LEN=2105; translated
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VERMPRLPVVWVWAGVIDFFVWIFGAEAGSRLEQYWLGGRVCPMQLDGRSTSPFLLLVH
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HKLDPPKVQLLRTVDGNDEDATEGGAESESEGTMPTNISTHTVEKLTTCVTVVIAGNYK
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>comp14196_c0_seq1; 496 1 2236 LEN=2332; translated
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DNLVLLRNMRFKLTELGGIEHFGTKMTNLRMDGTVKCGVEAEDNDGNQRYFEGESVLS
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VNGMSFSRRDSKWANSALVVTVDEDEILDEYRANHGVLGLEGFQREMERRAYKLGGNL
TVPVQRMTDFCDKKSISTIPSSSYRLGVKSAACHEIYPEAITNALRDALTNHFQKQMPGY
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>comp14197_c0_seq1; 394 1 1513 LEN=1656; translated
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RWADASASAFFTYSDKSKGDYRLLKLGSCWGGWDNNGNPNPSYHSPGSYRVMKDYQESFP
DNLRQGYNAVTPAEWTKLIDTSHEVLRVAVQCSNGGALVNPWATVGVNRNGHIVHTGGSFSG
SGTAQY EYGAEAAARTTFRVALDAAFYPDSSSEWSGYLNHYNERMSENFQNGSFPNTFPS
CRGPGTNQINMFGNWQSNAFIYGPTYSALIAASSGGNSQAMIDAAGAILGRALPNSYYP
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>comp14197_c0_seq2; 448 1 1402 LEN=1545; translated

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YFWKDMCKNSSNNNSNCQPNGKYCKSGSNSYVCLPDWKHSKYGGSTATGPAPDGEDAIV
GIMLAVKAVENDPNKPSWYEEARRWADASASAFFTYSVDKSKGDYRLLKLGSCWGGWDDN
GNNPSYHSPGSYRVMKDYQESFPDNLRQGYNAVTPAEWTKLIDTSHEVLRVQCSNGGAL
VPNWATVGVNRHIVHTGGFSGSGTAQYEGAEAAARTTFRVALDAAFYPDSSSEWSGYL
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>comp14198_c0_seq1; 1295 266 4850 LEN=4975; translated
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GSGKTHTIMGGGMSNAMMQEETHQGVLPRAIRNIFDELQTTQQQVSDTRSKPRNNVRNDT
GASCTSYEF SVRVQFLEIYEGEIRDLLNPRPVGTSTTESKLSIRDVGNEEPEVVGATMHK
VDSAEELCLTSGMYRRVTASTAMNAGSSRSHAILSLIVEQSTSMDEIEQNTQSKTSRF
NFVDLAGSERQKRTQATGQRLKEGIDINKGLLVLGNVISALGDPQKRGKTFVPYRDSKLT
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RGKIQGLARDLIKAKTGLKLEDCSIPMNIVESLASGGDGAGGGKIFTKNIQPAFSASATDN
ESKAETQRLRAENESIRLQLHSFSEGNDPSEVLQEAAYVTKVTEYEKEISRLKHEIQAKND
TKSTLPIQPESPELNRRLRSQMFGLAKSITLDAEVEAEEMKNLSEKFLNHPMTDGEFP
EYDRSHMEDETASTPAEVPAAALDADLFALSNSISAKESLIHQLASQEKFEFESMREFYEE
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TNVASRNESQIARLKNVDVQEMKHKKIDLQKQMVAAERKNHMSEVKKMKKESLQKDRELNKA
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EFTTIVGSETLTGGAETVAKVLFGMVVRERRRIASLARTASSLDEKVOIEAALAEKDA
FNAYVGEQRLDAAALAQNQOEHILSLMEMVKEGQTEESQKPLSPRTDTTNRRLSLSAKDG
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RSALRRIREQVVDDESRSVAVGLEKERQTPSKAVEDIVTLALHPASLSSSNTRRRRSVAQS
MKRQSLVVSTREKENELSSDSDEVPDWAEDIMADLAIADGKMPASLMQSQEVIEAEAN
NVFDRLTNPKGFTGVQKQRSVTRSRTRMKNQTS DGLKSSTFVDEKERKKEGAPLRRQKEK
ISSESAGNGRTVFDRLSPSNLTGTQKQKFHRIHDKKGRLEKAIENQHVSVRGRSRAIH
YSDHTEDEKDFVLHDQFSPKSKGSDAGEKRNHNSKVDHDSQLSVFERLNKTTTQAYK
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>comp14199_c0_seq1; 394 351 1596 LEN=2777; translated
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SEKAPDMGPGGRLEVPDVGAIYVGFDRNVNYYKIQAQLCINEGGAEF IATNLDAVTHL
VTFHTPVLVCLKNAVNIEXISGAIIVGFDRNVNYYKIQAQLCINEGGAEF IATNLDAVTHL
HLTDAQEWAGNGSMVGAIKGCTGQEPTLVGKPSPLMIDYLESKYGVERNRI CMVGDRLD
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>comp14199_c0_seq2; 505 351 1412 LEN=2593; translated
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LGLTEIPAEEIFSSSFAAAAYLEQSKFPTDGSKKVIYIIGEVGIGEELDLIGIPHLGGPAD
SEKAPDMGPGGRLEVPDVGAIYVGFDRNVNYYKIQAQLCINEGGAEF IATNLDAVTHL
TDAQEWAGNGSMVGAIKGCTGQEPTLVGKPSPLMIDYLESKYGVERNRI CMVGDRLD
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>comp14199_c0_seq3; 505 351 1412 LEN=2325; translated
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LGLTEIPAEEIFSSSFAAAAYLEQSKFPTDGSKKVIYIIGEVGIGEELDLIGIPHLGGPAD
SEKAPDMGPGGRLEVPDVGAIYVGFDRNVNYYKIQAQLCINEGGAEF IATNLDAVTHL
TDAQEWAGNGSMVGAIKGCTGQEPTLVGKPSPLMIDYLESKYGVERNRI CMVGDRLD
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>comp14199_c0_seq4; 394 351 1596 LEN=2509; translated
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LGLTEIPAEEIFSSSFAAAAYLEQSKFPTDGSKKVYIIGEIVGIGEELDLIGIPHLGGPAD
SEKAPDMGPGGRLEVPDPVKGYYVCIPHCSEENMRVGGVAAPERRQCRSXVFTLDFTTFL
VSFHTPVLVCLKNAVNIEXISGAIIVGFDRNVNYYKIQYAQLCINEGGAEFIATNLDAVT
HLTDAQEWAGNGSMVGAIKGCTGQEP TLV GKPSPLMIDYLESKYGVERNRICMVGDRDLD
DVLFGTENGLQSLLVLSGVTSEEKLLGPDNTITPDYYADDINAFFQTESEPSVTK
>comp14200_c0_seq1; 572 86 1609 LEN=1990; translated
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QHRNQNRPRALASVAHSRSLSTLLRFSSASPEDESSGHDKENKPPASSFNGTSLSSPS
SSATAYDEVDDETSVTSTTSFFRFPSTPPEEQQPPLDLVEAGSQSNAQSSILGRRYFGSA
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AAAMHAMVVAYASGGSIFALWKASGNASSIDNESETVAKHRQKRSSIEGVSVLSTLCF
LLSDIWGGRLRPLLAAAFGILNAGTMDAGAGVTNAITGHVTKIGQGFATHRPSEQQA
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VYGVFFRWYLRASGALVDAEVATKEA
>comp14201_c0_seq1; 1011 133 1998 LEN=2483; translated
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VCSDPSSFKSKASPPDNLKELPDEE IADLVLSNKVKDHMLEKLLDPFRAVTVRRIACNRK
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NFAVLKKAFFESTTSFGKLECNPTVAGKNVYLRVCFSGDAMGMNMI SKGSLAVIETLQS
YFPSCQLIALSGNMCTDKKAAATNWLHGRGKSVIVECFIPKEVVRTTLKTTVAALVHTNL
NKNLIGSAMAGAIGGFNAHASNIVTAVFLATGQDPAQNVESNCITLMEENENGLWMCC
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>comp14202_c0_seq1; 393 204 2240 LEN=2255; translated
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NSTNRRSSPVKNDNATSTTTKNRRGEFLSTIVNTSSLEI HDSIGNSTYLSEPPSRNDANG
SSTDLKFTVDNEDSKRIPKNGYAATEHTSASKTKNELASQLKNTTIESNFATTSSSTTT
TTSAIINWTTWRNATEMEDGNIQIEFFRPRSNTSTETNASIASRQMAACLINLED TIRLA
EWIPYHFATPLTGLVIALDPKTSQRGARRTLELINLWRDKIEITLWPDYKFAESKRFR
GQSYVRERQVYFANRCLSYHKIQNRSWTLLTDNDEYLVFNFIHDEI IKYDHPGSKKGV
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RFPGIHYGGRNRLRDHQSPAAFNSKNVGDATI IDPALLSTYRDVHDKRKSFKSKVMID
VSRVLETFEWTPKNARNAKTIHNP SRVCGYNGSHDSGADYSSFLRNLNHYLGSLESFME
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>comp14203_c0_seq1; 569 293 2494 LEN=2604; translated
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DSDPERCSCSSSSSASPLQHHIANAMARLYNAEFAFCVLTQNGIYYGRDFWGRRLSLLR
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HSILFSESNDQIAEVFYPKASFSLPRLPKDFPIPPKPNQNVIRSQIQSPLTMI SDRLWTA
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TVMDINIATALWFASRGATENTNANG EEDFSGNSTNHNGDDRSRVL LLLGMDGADLMG
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>comp14204_c0_seq2; 886 1 2278 LEN=2696; translated
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LDLEQTSNMKLLERGVKDKDFESIKELQERQKQEQKEEEDDYSSEVIKTLANTKFWK
ALKRNAGEALES LAISVTNEIEKTAKVLVGLGFFAWDRAKQDVARALPTAASVPK KVFQ
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MKEDKSKDMGNPFFAAAFVVEEQSSREGGSGEDSSPFYASSTLSTTASRGNARLQSAFKKSQ
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AAKKTAGFLGGASAFLLGSEEPSKQAQLPSSDGAKVKAEPAEFLDDSDAYFAFKREAPQQT
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>comp14205_c0_seq1; 995 218 3901 LEN=3935; translated
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KEYTLDDVINSNNEGVDVSEHIRSLEKCPPNQTLSTSSLLPRIHDSFLDNMELNKDQSQD
GLEENVGQLFLTDSECRPEEENSSSNI SELTMKLAQLPTVGMNHHHHTNAFRPSSSEDS
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EFPTKTPTPSQFPTKLSEASNLP TSSPTTSPTRKPTYTFVDKKNETLCTSEEISLKQAS
VSWWFLFVGVRQVITLCLAVVMQVIVIDFVAFRTRYLPQLMGTELT LAIAQSKGWPCILF
FWAIFDMI FLFGKSRFARNWLYYQDYIDLFNANNPSGDI PNNKHYKKI IFFSIPLSAAVT
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VGRMVVGELEGSEINDDDDTDINYEYLYKTEGSE SIGNAKFMTSTPVEDNGTVKHSSTFI
TNI FENLDEWEEPGLQEK NQIVSTTDVLFHFRRAVNF INSKYPFSPAFGKMTREECAQAS
QNTFEKLLKSKRSNVIHFDDLCKIAENPDGTS DRKQVLELVRLFRPNRKG EITKLEFVK
SIDSVYKQLRLLLLANINSASQIDRAYGKIANFVYFAVLVGLFIFGVDIQHVILAI SGI
AVSFAFIIGSASSKYLEGILLILVRKPYDIGDKVCFLEPNAPVDDVGGPPSGGWMVESVDL
YTTTVRLGTTREYATFSNGSLANLRI LNLRRSEKPNVYMF LKFTMDFTTEQLNEFRRRIT
EFIKDRPREWIKVVSRLCTHVETEQQYMKFVLIVQHREPWQSFATI QISKGEVYVHSIHL
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>comp14205_c0_seq2; 719 218 2479 LEN=2687; translated
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>comp14205_c0_seq3; 1004 218 4028 LEN=4062; translated
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>comp14206_c0_seq1; 612 118 2044 LEN=2044; translated
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>comp14206_c0_seq2; 955 893 4303 LEN=4407; translated
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>comp14206_c0_seq8; 1041 79 4207 LEN=4311; translated
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>comp14206_c0_seq21; 1133 79 4040 LEN=4247; translated
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>comp14206_c0_seq22; 646 118 1967 LEN=1967; translated
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>comp14206_c0_seq23; 705 79 2887 LEN=2887; translated
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>comp14206_c0_seq24; 989 893 4226 LEN=4330; translated
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>comp14207_c0_seq1; 671 76 2166 LEN=2405; translated
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>comp14207_c0_seq2; 491 76 1668 LEN=2539; translated
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>comp14208_c0_seq1; 571 281 2171 LEN=2171; translated
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>comp14208_c0_seq2; 571 249 2139 LEN=2139; translated
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>comp14209_c0_seq1; 351 157 1950 LEN=2703; translated
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>comp14209_c0_seq2; 191 157 519 LEN=519; translated
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>comp14210_c0_seq1; 547 259 2235 LEN=2609; translated
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>comp14211_c0_seq1; 521 52 1749 LEN=1820; translated

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>comp14212_c0_seq1; 636 234 1730 LEN=1730; translated
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>comp14213_c1_seq1; 184 1 1169 LEN=1495; translated
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>comp14213_c1_seq2; 320 38 1427 LEN=1753; translated
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>comp14213_c1_seq3; 291 38 1012 LEN=1790; translated
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>comp14213_c1_seq4; 155 1 754 LEN=1532; translated
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>comp14214_c0_seq1; 465 209 2112 LEN=2252; translated
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>comp14214_c0_seq2; 552 209 1966 LEN=2106; translated
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>comp14214_c0_seq3; 418 209 2239 LEN=2379; translated
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YGTILKNARPSDDAFIAMFKSAKTTIRCALQDIGPICVPKTKMTVPGAVHCFLLILSICS
HIFXKAASRVIANFFSSFHHSNSTINLCYFLHMNGMVWPKAYMNAMAEALWTKDVDVEI
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CFKCRGGSRYS DGSSLGLHSHKHFIIIDDICCYIGSQONLYICDLAEWGVLIDSPDAVADI
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>comp14214_c0_seq4; 505 209 2093 LEN=2233; translated
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PGITPRSLSTANISGQVDIFGIDIISARSKRNEYEKVEFIEGGSMSXLFGDRFDAVLS
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LRRTVKENLRVCFKCRGGSRYS DGSSLGLHSHKHFIIIDDICCYIGSQONLYICDLAEWGV
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>comp14215_c0_seq1; 1624 163 6956 LEN=6956; translated
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VRGFRAVQCRKFVWLGGSDSRQHGGRSIGVPTGISNLWKIQNQATGTMDAAPAPIEMKHI
KACMVDPEGCEGTPDRVWAHNQGRDNFLIYRKVQGECKIRLSPQDPSLNEQENGESYRD
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SFEDPLKPFVKKDDLSSSSSSSSPELSDSDDSREIKDDFSDSLDSSYSSTGTDASSAE
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VTMTCSIHDIVLRGSYQNGENAYLECVAKGFVAEAIWPKSNTERGMVYQLSTSFVSIQE
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AFGLKTTIDFLEDKDDVTLGSFIVYHEVGVNEMDIVLDTAVFLRITRFIMGMDGQGFDR
WDTGDWIDLTPDMLCNPSETLHLDECIQECTQIFLDENLMISSDLLNITARFANMEMRI
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SDICYKYKDLGAGQISTFRLLQTLTLGFEVNIVPVVPFCTAPEPQKFAIGESTSIFCFE
GKAPTTGKNKTKITVFLSVLIQELILNIDFDLLAGATCTLLFHKKNIVDIIIEIFGDSIR
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LSLISSRVAGWVRMGQHRSGQRAVKKSMWPFWAILRKELLILYSRPGEPKPSDIISLV
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LRQYQCECIENFLNSLLECLPIDAIMLLSESLGIDCATKSIESTIETDESNICASESVD
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RMRKKIERLELSATFSQEIARVQRLQDLQTPNLANMFGKADYRVEMLRNEIDRKIEKVHH
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>comp14216_c0_seq1; 640 369 1901 LEN=1973; translated
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RVGTNKEPISMEIPFDGTFEANLQFCNAYEEGNKIVLDAIRSDGSKKPSTSSMQWPYVSS
RKDYEAKAANKSLWRYEVDLSSRSVTKTNLSDVQCYFGTTKPSQSTQKHDEIFMAIGGLG
DETAPPQGIASFKCDRSMSWMPAYQFCGEPMFAPKEGASSEDGGLLTVLFDGKSEQ
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>comp14216_c0_seq2; 640 822 2354 LEN=2428; translated
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KSQLGGLVLEEKDPFGSKMVIDPVKNRRLMYRLREDAKSSQLTVFEFEDNFRLVPEGKQDE
EGKSSVDLPGLAILSDMAVTDNYSLVQPIVSTGMQFLFNKDPGTAVSTESKPAMLHLVP
RVGTNKEPISMEIPFDGTFEANLQFCNAYEEGNKIVLDAIRSDGSKKPSTSSMQWPYVSS
RKDYEAKAANKSLWRYEVDLSSRSVTKTNLSDVQCYFGTTKPSQSTQKHDEIFMAIGGLG
DETAPPQGIASFKCDRSMSWMPAYQFCGEPMFAPKEGASSEDGGLLTVLFDGKSEQ
SELLIFESSAISAGPICRMLPGIGIPHGLHGCFATAEEATWSFEEIKRRSKLADKIESQG
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>comp14216_c0_seq3; 742 281 2218 LEN=2292; translated
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PRDGPPIPDGQNPNRMTKHPYDADGGVLGVTFSGDGTVTTRYRYVRTIAFTSERRKGQRV
YKGMDSRELGF DIAQGLGNDLHTPMFRHHLQPLNKKRKNLSNNRSIYWGRLLSTFEG
CQPYKMSLALSTEGKSQLGGLVLEEKDPFGSKMVIDPVKNRRLMYRLREDAKSSQLTVFE
FEDNFRLVPEGKQDEEGKSSVDLPGLAILSDMAVTDNYSLVQPIVSTGMQFLFNKDPGT
AVSTESKPAMLHLVPRVGTNKEPISMEIPFDGTFEANLQFCNAYEEGNKIVLDAIRSDGS
KKPSTSSMQWPYVSSRKDYEAKAANKSLWRYEVDLSSRSVTKTNLSDVQCYFGTTKPSQS
TQKHDEIFMAIGGLGDETAPPQGIASFKCDRSMSWMPAYQFCGEPMFAPKEGASSED
DGLLTVLFDGKSEQSELLIFESSAISAGPICRMLPGIGIPHGLHGCFATAEEATWSFEE
IKRRSKLADKIESQGLWNEVKSDFSGLGLRFDDMEEYFGDSFLS

>comp14217_c0_seq1; 723 1 1352 LEN=1620; translated
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RASAIREQDRGEAPEAASPEPSPDAEDGSTAVDRAGETTSTTASPETDPEPLALPQEATT
EAPAATEAPAPAEETTGAATVKTVNKAQSTPKKAQHKPVEKKKPKKFKLIRNPFKREK
SKKGVSTTPQAPKVTVRPTPSSSPQDSPAVTKATREAPVEKEAETETVGSLLVESFESEA
PMDFANFEEMDFAPAEQQQQEALPGMAFGSTDAASGSGPEEPEGSPSSDEPIPTQGAAP
GSPVRHSAVGPEAVTATPKSSNLESEMRRPSSYVLSSELGGIEETKSNSEASFDNSGFR
TPTKASKPPLRPRSSVSTSNVAVGFDSFDNHNKELSFDDFEGQGFDSLPTAGSWEPPFAE
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>comp14217_c0_seq2; 735 1 1485 LEN=1604; translated
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RASAIREQDRGEAPEAASPPPEPSDAEDGSTAVDRAGETTSTTASPETDPEPLALPQEATT
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SKKGVSSSTPQAPKVTVRPTPSSSPQDSPAVTKATREAPVEKEAETETVGSLLVESFESEA
PMDFANFEEMDFAPAEQQQQEALPGMAFGSTDAASGSGPEEPEGSPSSDEPIPTQGPAAP
GSPVRHSAVGPEAVTATPKSSNLESEMRRPSSYVLSSELGGIETKSNSFEASFDNSGFR
TPTKASKPPLRPRPSSVSTSNATAVGFDSFDNHNKELSFDDFEGQGFDSLPTAGSWEFPAE
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IRFFRIRIGTSTFL

>comp14219_c0_seq1; 338 1 1064 LEN=2325; translated
XYNTIKVSELPNRRRNGQQRSIQRSTDDDAVDNNVADNVVDNVSDIVFVGGHHDDIYG
ISQQFPNRISKFSLAVLGRNAIELFFGFVFLMLLRTWIDKKRGEESGGGGNGTNSGES
SENEGIATQIKKLTTEWDWIQLYNKTFDSNGNTTTTLTSENIVGHSKDFVDIELGGQNAAD
GDGDGEKKYTGADGNDSSSLYLSDTNLNTSSRKSIVRLSPAEDTKISGTCIICFDEF
VAGDEVVWAEGRKAPKHDGDDAEQNRNHHDKHVFHKDCMVRYLASNSHRRFKKSAAFEG
AEGIENPCPTCRQPCTLSDEDLEMAIQTKLSLLMAEETENNAGGATLPVEQRA

>comp14220_c0_seq1; 362 236 1234 LEN=1677; minus strand; translated
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LLSTEGDENHSYDCAEHPVGNQATTSWIDTFRSKVPSYHGMSFASISLSWQRNPSVADGV
LALKSCQLSSINDAILVTRGPVSLCAQYYLESFSLQGLVMIDPILIDDEDACGDGEAV
SSLVSRMYRCQDDDADKDRFRSGRLLVEPNSVPMVVVTAQDEKAWNESSRFVVAARHGDD
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>comp14220_c0_seq2; 362 408 1406 LEN=1759; minus strand; translated
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LLSTEGDENHSYDCAEHPVGNQATTSWIDTFRSKVPSYHGMSFASISLSWQRNPSVADGV
LALKSCQLSSINDAILVTRGPVSLCAQYYLESFSLQGLVMIDPILIDDEDACGDGEAV
SSLVSRMYRCQDDDADKDRFRSGRLLVEPNSVPMVVVTAQDEKAWNESSRFVVAARHGDD
NGPYGRVPIVDLANIDGTEKNSAVTVLDVIGEW

>comp14220_c0_seq3; 362 408 1406 LEN=1849; minus strand; translated
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SQADSYHRQRRFGTLNDGERKFSEGQSLVLSITETPLDSTVIEKPYTIVLMEDQVAVSP
LLSTEGDENHSYDCAEHPVGNQATTSWIDTFRSKVPSYHGMSFASISLSWQRNPSVADGV
LALKSCQLSSINDAILVTRGPVSLCAQYYLESFSLQGLVMIDPILIDDEDACGDGEAV
SSLVSRMYRCQDDDADKDRFRSGRLLVEPNSVPMVVVTAQDEKAWNESSRFVVAARHGDD
NGPYGRVPIVDLANIDGTEKNSAVTVLDVIGEW

>comp14220_c0_seq4; 362 236 1234 LEN=1587; minus strand; translated
MTSPRIFRGRRLVLRVLRRLREVEPGHSSVFRSSPLSDSSTNKTLYRTPCGTKPRAFRFP
SQADSYHRQRRFGTLNDGERKFSEGQSLVLSITETPLDSTVIEKPYTIVLMEDQVAVSP
LLSTEGDENHSYDCAEHPVGNQATTSWIDTFRSKVPSYHGMSFASISLSWQRNPSVADGV
LALKSCQLSSINDAILVTRGPVSLCAQYYLESFSLQGLVMIDPILIDDEDACGDGEAV
SSLVSRMYRCQDDDADKDRFRSGRLLVEPNSVPMVVVTAQDEKAWNESSRFVVAARHGDD
NGPYGRVPIVDLANIDGTEKNSAVTVLDVIGEW

>comp14221_c0_seq1; 459 333 1649 LEN=2233; translated
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ALVARRLFSFQSIDGIRLGWSSKSFAGLLSSLIRLHEEYQHRFNVQSFYPLGLVFTNNEK
KPALDVYGGNIYLTPTSGTQLEWLESIREVTEERLDEFLEYRIMTERVALLQEGLVGDRR
NIANGKHDNTTKVKKGFTCPSEFYMFQQRATEPYRNMQISMEIPIAERNGFVPAISQS
SLSTTGHLRLVVEPESCRRPKVTREGFIQVPSTITSEDLTLSVSKLSGLAKERWDAEQE
KKHKCREAIEQVQWKFGLOKVSRSNERVRWEDFLSALSRLIDHETQLEEGELAGSNLQIS
TNGHCHLSDDGSLVIPHNV

>comp14221_c0_seq2; 459 431 1747 LEN=2331; translated
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HWTKYDPHDSIKGESKGGSTIDHRYDVNSNRGRDLERFLSSVTPSQIEERKAYRMDATAA
ALVARRLFSFQSIDGIRLGWSSKSFAGLLSSLIRLHEEYQHRFNVQSFYPLGLVFTNNEK
KPALDVYGGNIYLTPTSGTQLEWLESIREVTEERLDEFLEYRIMTERVALLQEGLVGDRR
NIANGKHDNTTKVKKGFTCPSEFYMFQQRATEPYRNMQISMEIPIAERNGFVPAISQS
SLSTTGHLRLVVEPESCRRPKVTREGFIQVPSTITSEDLTLSVSKLSGLAKERWDAEQE
KKHKCREAIEQVQWKFGLOKVSRSNERVRWEDFLSALSRLIDHETQLEEGELAGSNLQIS

TNGHCHLSDDGSLVIPHNW

>comp14222_c0_seq1; 414 262 990 LEN=1550; translated
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DQKEMEEYRKQLDRDRESKLLKGTNHRGDRERERKKAEKKKKKKEKKRKRSSRKKKSSRY
YSSSSSYSSSDGEDSSRTSGNEEGESHRRDRDRDRDRNGDGEEDGRDRDRKRRHKRSRRR
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DE

>comp14223_c0_seq1; 230 810 1502 LEN=1970; translated
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NAQERLFGMGSSRLEVTFTYTNIFTLIAMTATLLSGDLLGSMRFVMGSPDRTTLCHYIFV
YTFIAYIAISCHMNVRRFVGGVSSVLLATGRKGMTLILSFLFPKAFSWYYVLGALMVLG
GLLLSSLIKIRNKNKEKEEKRRNSGDEEQGMLMAPLTAASGSAARRHKH

>comp14223_c0_seq2; 230 1001 1693 LEN=2161; translated
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NAQERLFGMGSSRLEVTFTYTNIFTLIAMTATLLSGDLLGSMRFVMGSPDRTTLCHYIFV
YTFIAYIAISCHMNVRRFVGGVSSVLLATGRKGMTLILSFLFPKAFSWYYVLGALMVLG
GLLLSSLIKIRNKNKEKEEKRRNSGDEEQGMLMAPLTAASGSAARRHKH

>comp14224_c0_seq1; 503 61 1746 LEN=1853; translated
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IPPSAETVRETIIEETKLEETFEFDPKPLGSASIGQVHRAVLKKNQEVAVKVQYP
EAQELFTDDIHAIRKLCWFAPQVCTLDALENQKAELDYNNANLLEISRNMTLHGF
QPRDALVPQPIADLTTRKMLVMELLPKPLIDGMRAYAKWAKENGTTLKRMETQARKKI
EEEGIPDKYDGPSASQIAMYQKWVRVKTSTCTNVLIALLYNCVPSMKKRDSKDGKLSYIQSS
IPPNTPRIVDTLMRIHGHQLMIDGCFNADPHGGNLLLLPDGRIGLIDYGATKRLSENERL
CVCVMYAALARGDKDTIWTMAKTGGYKSKYMPNDIHYKLAQFGFDSWGNEVTGGKNVQQF
MDDLKAQDPWYETPDNFVLASFMSVVRMRALTLGMNHPVKCSDDWWGEIAEKELQRMGLPYE
TWDAEQFEKYKPELNIQKFEM

>comp14225_c0_seq1; 284 172 1179 LEN=1566; translated
MQSAHTRMRAVEKENRDIDEEAGRAAGGKQKRRVRLKKKSRKPINLCLLLIVLSPVLV
IGILLYATNQYASLSGLLRKETQVDGSGGKDVSGKSSNEASRSTRLGNNQAEEQTDQE
ANSIEQGDNQEVGNIVEGIEATKPEQKQQNDKITTHDKKFLVLTQTQGNIKITLRPD
LSKGSVDYIYKLVESYGGKRLHCNFYRAEKPGILOQIMENKDVVPINTVRGTCPEGAEG
VPNNCPPWDKNCGCHGPIMTRGAVAWAAGDAGGPDFFIDAYKNPADWWGTQHTNFGFIDD
EASLDVVDAMFELPIESTPDMDFIKDPIHFDDLLLE

>comp14226_c0_seq1; 314 1 2286 LEN=2444; translated
XKENINSTVHVRHQPHCHQQYPFDEMCKERAKSISESISEKPPLGAIGTQQSRFRCPGGV
KSSNTKNKCSSRKGTVKKEEFAITGRTHTTTKLNDITXFIRNYDGKNCDELRRGQQIKNS
RTKMTSPWKSALDPRTGRTYFHEHTRETQWRKPICLANDEMLAIKEKEQKVKDFFGVM
EANILSTLSRGLIPGNHTNDQQSSSPIKEGESEGVPGDEHIEDQRNLWKARLNNVNPVELV
RTIISTMDEGILTSVIRRQPSVRNIKLGAFNSELSLDLDDLRLSGHGPSSSPVGDGFDTC
NRGGSRQFEFQTDLSLETLEEKAGEANSTNAPRATSELLSYLREPPTDDSTKETQALTKLV
SLTKEMINAGKEHIEKTKELVSTGKEKLEIITPISSTKMIHTGKEQLDEFKSVAMGENT
KCNGQNQVRNSKSPTRTLRRATCGDIGRMLPRELNFDDSDTEEEKPATPRNEKVARMVKN
SSRSAADILHPTVQRRNTCGTMYIKTTMSAPDIDATIKVCVGVYRSHILSSEQENLCVEG
MDAFKVFNDYPDNVLETKYIPSLDEVTTTFYRGVFFKSQMEADCIIMSLIYVERLIKKTIV
GRLRPRASNWRSLIFSCMILSSKVVWDDLMSWNGDFSQSCPPGGVNFVSVQRVNQLELAVLN
SLKFNKVPASEYAKYYFLRSMLIKSGLGGEDEFRASDPLDVEGARRLQKVSHDFESRSF
IMKPNLSDALHRKSHAVQSEGNTRVLQQPKTKVGLVQLVRM

>comp14226_c0_seq2; 318 1 1884 LEN=2559; translated
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RTKMTSPWKSALDPRTGRTYFHEHTRETQWRKPICLANDEMLAIKEKEQKVKDFFGVM
EANILSTLSRGLIPGNHTNDQQSSSPIKEGESEGVPGDEHIEDQRNLWKARLNNVNPVELV
RTIISTMDEGILTSVIRRQPSVRNIKLGAFNSELSLDLDDLRLSGHGPSSSPVGDGFDTC
NRGGSRQFEFQTDLSLETLEEKAGEANSTNAPRATSELLSYLREPPTDDSTKETQALTKLV
SLTKEMINAGKEHIEKTKELVSTGKEKLEIITPISSTKMIHTGKEQLDEFKSVAMGENT
KCNGQNQVRNSKSPTRTLRRATCGDIGRMLPRELNFDDSDTEEEKPATPRNEKVARMVKN
SSRSAADILHPTVQRRNTCGTMYIKTTMSAPDIDATIKVCVGVYRSHILSSEQENLCVEG
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GRLRPRASNWRSLIFSCMILSSKVVWDGK

>comp14227_c0_seq1; 757 211 2001 LEN=2349; translated
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EAASLIQSLDIARTKMGISAADAATEAETARRNARTAQEIARRYQSGSYSTFKMNALDTS
ASSAASIVTTATMASSSILITSRPKHPDITGLFKNQNALDGGEEDEEKTFEFEGGDSPNGNV
GGDDNNGGDNHRVPYTPSPRHSSPTHEHAENQIKSSDKKSGDAAQNRGDFHSPTSFERIA
QHHADDLLQLTMELEKTKQELESEQRRLKQFHFSMLSMETKATKLESINEKLKEDIKER
KQSAAEISNLKMELEKSSQMKLQAAEEDAQLALDLAKDSAEEREKTEELLQKAKNEVEMLR
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MIAAGRQLLLRRSMSPQDAVIRLELTPSKSAERRQQLSARLNKSLNESTDDANITLLSSS
PSRTPSPTPGPPAITSGESHTTSNSITNLDKMTTLEEYVAAIKTLETSGKRLDLGDFY
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>comp14228_c0_seq1; 696 1 1461 LEN=1916; translated
VDTKIKSSSIKPRTIATSKQYKMPFSDSVRAKMEAEKIASSAISAFESTFDSLVSNGTGM
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LDLTAQIVDMRKEFGMKVKFMLMNSFSTSEDTLNFKEKYPDIAAEEGLEMMQNKVPKL
CQETLEPATCASDPSNEWCPFGHDLYAALEGSRLDALLKDGKYMVFSNSDNLGASLD
LDILTIFAETDAPFMMECCKRTANDKKGGHLAKRNADGQLILRESAMCADEDEDADFQDIN
KHRYFNTNNLWIRLDKLEIINENGGFIPLPMIKNKKTVDPKDDSSQAVFQLETAMGAAI
ECFKGATAIVVPRTRFAPVKKCNLLLLRSDAYI IENKPVLPACNGVAPTMAALDSSKY
KLVGALEKATEGGIPSLVECTKLIKISGLVTMTKDTKFGDVEIVNTDSEAKAVPTGVVTG
KLDLSA

>comp14229_c0_seq1; 995 1 3425 LEN=3560; translated
LACAEASARPGGENRIDQAI SGKFYRVGANLWVSAYSTKAHRHPGDNTGRGKGS DRNTKN
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>comp14233_c0_seq2; 507 403 1863 LEN=2462; translated
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>comp14237_c0_seq2; 504 289 1954 LEN=1968; translated
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>comp14238_c0_seq1; 566 493 2566 LEN=2566; translated
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>comp14240_c0_seq2; 568 274 1602 LEN=1887; translated
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>comp14241_c0_seq1; 349 56 1365 LEN=1542; translated
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KFRPWNGVFLSEAFSLSGPGEASAIVSETIEIYRANNVEMLWEAPGIRTEADMVAVRELLG
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>comp14242_c0_seq1; 190 211 1248 LEN=1371; translated
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>comp14242_c0_seq2; 294 211 1065 LEN=1188; translated
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>comp14242_c0_seq3; 1231 471 4922 LEN=5045; translated
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>comp14242_c0_seq4; 1335 471 4739 LEN=4862; translated
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>comp14243_c0_seq1; 774 120 1829 LEN=1994; translated
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>comp14244_c0_seq1; 920 361 2775 LEN=3278; translated
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>comp14244_c0_seq3; 1018 361 2994 LEN=5604; translated
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>comp14244_c0_seq4; 1018 361 2994 LEN=5383; translated
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>comp14244_c0_seq5; 1018 361 2994 LEN=3191; translated
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>comp14244_c0_seq6; 920 361 2775 LEN=5603; translated
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>comp14244_c0_seq7; 1065 361 4496 LEN=5295; translated
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>comp14244_c0_seq9; 1027 361 3140 LEN=5516; translated
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>comp14244_c0_seq10; 920 361 2775 LEN=5691; translated
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>comp14244_c0_seq11; 822 361 2586 LEN=2691; translated
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>comp14244_c0_seq12; 309 1401 1964 LEN=2763; translated
MTKEGIPRDGDGDDDDNQAAGVLGVLGSLDDDDDEASDDGFEPAPTLFVLKGVDTSLDEI
VLEDCLTRVLSGGYDMGSDETGDADEDAENFLPSFVVTLLETDHGGIAGAVLFCVDRALV
LHGERHNDDDDAEGVLARIREYAASGEAGKTDPWLVLVGEPSIEVLGEEETARRMAGEEA
GAEEPAE

>comp14244_c0_seq13; 223 1 608 LEN=1358; translated
FFFCSTESNKIIGKIPIEIGLLTFLQKLDLKSNEIEGEIPSEIGLLMSLQALDLSYNRLT
GRIPTTEILSLPSLEVLHLDNSNALSGEIPSEIGLLTSLLESLWLGHNGFTGEIPTTEIGSLTS
LQGLWFELDNGFTGDIPSEIGLLSSLQQLWLELINGFGGEIPSEIGLLTSLQTLWLELDK
DVTGAIPTTEIGXVDFSSSFAYG

>comp14244_c0_seq14; 920 361 2775 LEN=5470; translated
MQATNQNTGRVEHCPSPRSSEIQGTANADRCRDDDAVAEMRISSSDDEASFGKSEEEKM
DLSSRATLNKGSERKTFPKDCYSFLSLHSFVDSPLFFSFGFTVFLFQVSFFVLMVLSVLD
PVWSSNGDKDNPSDSILATFVDANSTPLVRATQVISILTYVVFADSSMMDVAIGVETFP
DLKEATNSMVFSCVLRISQGFMAAMTAFVLIITAENVIDIVLNFTAVNFI SHLDDVAFQL
AVLGKYGERLEQEANRIKQIPLPPCMSQKTHTRFRSTLATCGVFLFLGTMIAIMCAQDND
DVWLTkVLRIEFQDPELHPYSGCYEIDATSIHDTFKRKVYRSDSLDDVNFYGCIDSRQ
WKLFEVNGDPCDANENTLAVSAKTDSFDISTVFGEAWFSLYGKPLDVYFYELDEKLEGNC
SSFDDGKCDSLFNKFEYQFDGGDCCSATCSHFDCGIGAIKKGFGMENAI GDGFPQCSDPN
MVPLTIRIGNFSSSGLAQVPEEWDIDNSENPLDGHNNPVSPHLSLECDQKNVFAIDLDP
MTDRTEIVSVTDGAKCTMKVSNRTVHNDTDNVLNREP IWFVDYAMFQGETVENGTKILEH
NSGVQEESFFVIPKCMFKKLSLYTDETELYNDGASIEAFEWIREGFFGTQACDDNDLI
CLFALSSSLYFAAPLVGIDDEAWIKETPHCNWGAVECTRGDISKLEKSSLAGTISSAIG
LLTSLREFNMKSNKIIGKIPIEIGLLTFLQKLDLKSNEIEGEIPSEIGLLMSLQALDLSY
NRLTGRIPTTEILSLPSLEVLHLGK

>comp14244_c0_seq16; 920 361 2775 LEN=5382; translated
MQATNQNTGRVEHCPSPRSSEIQGTANADRCRDDDAVAEMRISSSDDEASFGKSEEEKM
DLSSRATLNKGSERKTFPKDCYSFLSLHSFVDSPLFFSFGFTVFLFQVSFFVLMVLSVLD
PVWSSNGDKDNPSDSILATFVDANSTPLVRATQVISILTYVVFADSSMMDVAIGVETFP
DLKEATNSMVFSCVLRISQGFMAAMTAFVLIITAENVIDIVLNFTAVNFI SHLDDVAFQL

AVLGKYGERLEQEANRIKQIPLPPCMSQKTHTRFRSTLATCGVFLFGTMIAIMCAQDND
DVWLTkVLRlEiFQDPELHPYSGCYEIDATSIHDTfKRkVYRSDDSLDDVNFgYCIDSRQ
WkLFENVgDPCDANENTLAVSAKtDSFDIStVfGEAWfSLYgKPLDVYfYELDEKLEgNC
SSfDDGkCDSLfNKfEYQfDGGDCCSATCSHFDCGIGAIKkGfGMENAIgDGfPQCSDPN
MvPLtIRIGNfSSSGLAQVPEEWDIDNSENPLDGHNNPvSPHLSLECDQKNVFAIDLDPs
MTDRTEIvSVTDGAKCTMKVSNRtVHNDtDNVlnREPIWfVDYAMfQGETVENGtKILeH
NSGvQEESfFvIPKCMfKkLSLYtDEtELYNDGASIEAFEWIREGfFgTQACDDNDLI
CLFALSSLYFAAPLVGIDDEAWIKETPHCNWGAveCTRGDISKkLEKSSLAGtISSAIG
LLtSLREFNMKSNKIIGKIPIEIGLLtFtLQkLDLKSNEIEGEIPSEIGLLMSLQALDLSY
NRLtGRIPTEILSLPSLEVLHLGk

>comp14244_c0_seq17; 214 1 462 LEN=1446; translated
FFFcSTESNKIIGKIPIEIGLLtFtLQkLDLKSNEIEGEIPSEIGLLMSLQALDLSYNRLT
GRIPTEILSLPSLEVLHLDSNALSGEIPSEIGLLtSLESWLGHNGfTGEIPTEIGSLtS
LQGLWFELDNGfTGDIPSEIGLLSSLQQLWLGE

>comp14245_c0_seq1; 575 84 1742 LEN=1950; translated
MGRSTDERNVAQTSENVATSGENDIATtNNLNHTMARQPQLtSTtKKVSLHLSKELREF
YKNHDVdLTKLADGADfPYRYVRLNPRYDRtQTLEMLRKEVRKLRDNNSHGCGDGSdCNk
DKVtTStQNSSGvKGPWLESWGFfAIPASfRLSASHCFRTGRIYGMdVSSGAGVAVLL
TDHHDkITtVDPDPSCSDLSGkLRTTEERANNWNANKNDtNGDKNREVRILdLCCSPGLk
LLQMADFfFHGkDFINSRVdGDAEDGICVDGvGQQRsvKvVGVdISKHRLdICKtIVNKY
FIDPETSGSGERSKkSLPANVKIQLYNEDGtLFGTKGSRDGRNLIFdSTVATEEMMQRGg
KRKRmNKSARAREKkRLREIAfLECVSAtSDGNdSHNPPDADHTNSntDAQDVCIDCFdY
VLVDAECStDGSfKHVKERIKGSSGghYREEntMLtDPAKLAEVLdLQRkLVASGFRLlK
DGGtLVYStCSLSEdQNEKvVkwLLEtNEdAFliPvHFPSIKtTKfVtDGTlTGTvRFYp
NLLHNPGSSeALW

>comp14246_c0_seq1; 661 760 1935 LEN=2121; translated
MSFEVDFHENITdLYNAITESNWEeAMRAVKKNPDEAKtWvVRKHEDDPTKNMWRfLPIH
SACARQPPAGLIKALLAAyPTGARSvDDQGMALHYAAAGNqASREvIRALLMAfPDAAKL
TDPRGMLPIHYIACWGpSSISvVDMILVANRNISdCKDEDGntPSDLAKEGdYRERNAVv
AALKRWStSSSSEHQrStSSQSSItPSYKvIGSNfRSLHISEERKtDDSLdSLTRCSPG
TTGkLREMDdHISVMEIEKKEDKLEISMLQYEVKQRNDMIEKkETLSQMTDECNGlRkT
LADvTEQHDGLASMNSSLLSMVEQqEIVLkATRAREEQWEElAKVRREKLKEIVQMEDQD
TFHEVdLRNVLAQQDRKMAAIKATISATLEA

>comp14246_c0_seq2; 661 936 2111 LEN=2297; translated
MSFEVDFHENITdLYNAITESNWEeAMRAVKKNPDEAKtWvVRKHEDDPTKNMWRfLPIH
SACARQPPAGLIKALLAAyPTGARSvDDQGMALHYAAAGNqASREvIRALLMAfPDAAKL
TDPRGMLPIHYIACWGpSSISvVDMILVANRNISdCKDEDGntPSDLAKEGdYRERNAVv
AALKRWStSSSSEHQrStSSQSSItPSYKvIGSNfRSLHISEERKtDDSLdSLTRCSPG
TTGkLREMDdHISVMEIEKKEDKLEISMLQYEVKQRNDMIEKkETLSQMTDECNGlRkT
LADvTEQHDGLASMNSSLLSMVEQqEIVLkATRAREEQWEElAKVRREKLKEIVQMEDQD
TFHEVdLRNVLAQQDRKMAAIKATISATLEA

>comp14247_c0_seq1; 941 163 1959 LEN=2063; translated
MFSSkSIAYLAAAAALAAspSSAFvPRStAGRSvPvLYDAATfTSDGAKtQIGNdSfLNE
NLMARAQNGPGKkNEESLkIGIVGAGLAGMIAAMdLADAGHQVEMfELRPfVGGKvSSWQ
DKDGNHIEMGLHVfFGCYNlFGIMKRTGAFdKNLRIKEHTtFVNKGgELGSLDFRfPI
GAPVSGLQAFAKTEQLGIEDKfHNAVRLGTSPiVRALVDFdGGMDMvRELDDItfTEWfT
QLGGKRGSLDRMWDAlAYALGFldCDtISARAMlTIFMLFAIRTEASvLRMLdGSPQTL
HDPIINYLEERGvKINLRSPCREIVHDIDPDTGLPTRVKGLIGStATYHEfDAVIAACD
VPGIKkVLPESFRKYDEfDKIYNLDtVPIATvQVRfDGWVTELNdEKRMdVSGDQSDGR
GGGIDNLLYSVDTEfSCFADLAVtSPGEYyKEGEGSLIQAVfDERAFtRSNNELVADCIa
QLNEVfPSSRkLNCTWSSvVklGQSLYREKtGQDKFRPKQATPIPNfFLAGSYTYQDYLD
SMEGATRSGLMVADEVIARADGPKGLKAMSIEAQKNAAPAEKKAPEKEKtLFFATESA

>comp14248_c0_seq1; 410 302 1342 LEN=2143; translated
MSSGQkPvSVSSMMGAKALFRQGSsPvVvTSDDEVIGGDINEKkRlyGRkSLQqDKGIPL
SPpQVDKANKKSADNSessfYDPVQHRShLFAIEGLNRYPNYLSRWNEKdVETLERALE
DTLARVRDQAKKNDQHHTIQQILGDFfREHPEWNEfSALPESWEDLRQkILHPKATKAI
FQSKVFRkNRDGDGISLQDVLSGREPIALDTCYLQEWMDDEEMfDVYSfPLLSKAfCNKLC
LYASTIMSFIESSPRSLDCPVStSYfLkMDNlGLGWLNDLIFHLVLKPIsAQLYNDTDL
NGSDLDWRQGFIAAYSSIPSSlKPRQRLVAHTDDSEvSLERNQGIpW

>comp14248_c0_seq2; 406 302 1366 LEN=2032; translated

MSSGQKPVSVSSMMGAKALFRQGSSPVVVTSDDEVIGGGDINEKKRLYGRKSLQQDKGIPL
SPPQVDKANKKSADNNESSFYDPVQHRSHLFHAIIEGLNRYPNYLSRWNEKDVETLERALE
DTLARVRDQKAKKNDQHHTIQQILGDFFREHPEWNEFSALPESWEDLRQKILHPKATKAI
FQSKVFRKNRDGDGIGSLQDVLSGREPIALDTCYLQEWMDDEEMFDVYSFPLLSKAFCKNCLC
LYASTIMSFIESSPRSLDCPVSTSYFLKMDMDNLGLGWLNDLIFHLVLKPI SAQLYNDTDL
NGSDLDWRQGFIAAYSSIPSSLKPRQLVAHTDDSEVTLNLCFGDQFTGGDLRFW
>comp14249_c0_seq1; 543 1596 3425 LEN=3831; translated
MKSTKSEQEVSVDATSEGYRVVVEKPTSTKHLHDNDNASCIVRRVVGTYVTKADAIQA
AKRERSLHQVFDGWAEYYGKAPPYSTEQCEDSKRMAKKEEDYCIFIEDAVSINKSKKD
IPKRKMQPSPTAPRSNKKFKTEATASKTNKRKTTMPLTYPIGTKLSKSFQVGFYNGEVVS
YDPESEFYKIEYEDGDEEEMDHEDVKRCVENKMTYPIGTKISKKFQGVFYSQKVTSYNAA
TTYKITYEDGDQEDMEDKQIKRYLVSSQPPKPKIRNFGAVKLSMKAMKDNIDKNRFAR
NPCRIIGGEQNPADYANTGRGEPLKSYYYLIQRLSDRNYAMRGLCIDGDGVRYSSYRRA
DLTFPAVVFLPETNLNNHANDPTIVDACHLDMIHPKTGGSLITGPNLLEAVTPETECIFL
NGFQNGGPKSRDKQSVDPNFIVKSI EVCKDSLKCFSLTECIVSNEILNALASCKNLRGLT
LYSTQSCDASPTTTVANDRGFHAI I KACTDLRWLLVDCNFFQGASWKALDSPTACPKLE
VLWVSQPKDAKAFLNESDAQDIIPKALAGRASILKICMIYFDTDLKSRYPSTDAKTTD
QSEGDTESS
>comp14250_c0_seq1; 364 90 1484 LEN=2251; translated
MGSCMSKIGGSLILDNTDGGEYYHKRFIEDRILGEGEFGVVTLVHDLTKKREKRELEM
SRSGRHNDLNGTMHSEKSGKII IEDDNIGCDFDESSMACKTLRKGVMFKYNTVYAPLKPE
VLRREVDILRKLDGKCFCLKVHAVYETPRVINLITELCAGGDMFQYVSRREEDLRTDEVS
RIAYQLLSAVDHCAKNGVINRDIKPENIMFVSPAADSELRLIDFGSGTDRVVDGMHTTFA
GTAFYISP EMFQNTYTQKTDVWSCGVCLYVLIAGYPSDKLQTAFNLMHKITPGERNLRLN
PNMPENLPDSYHKMLKDLLEYKHKRKTAGQLLEKSDFVRFHKFASSVEKSNIIGSVGRH
SLFLDYQKFERCLTTLATMLSKSELLIFVETVQEEVREKLLKKEEEEERMKAAADKEKAE
DPADTDVELPKMEDKNKSLDVISVKRVIIEILRESNDQVYVTR
>comp14250_c0_seq2; 527 108 1357 LEN=1357; translated
MTAVTKSAMRKTDRYRGYRSKNNKNHTLGIINVLFLICFTIYQFILSKSNGGRDAVSST
YRSFLKGGQFPKGSNGSEYDGEAIRGDNPGPALMNINEEYQESLHNNESEFDDQDRAP
QIEQEHQFLRQNKAEFQEDLAEVPQITEVHDQMSQEKKIHPEDDRLEVPEFLNGRDSFS
KENEVNSEDDPADVPEVNVGHDPFLEESEVKS VNDQADIPEIVSDHDPFSKENEVD FEEN
IAGAGEFVREHSPISKENEVELKDVIEHNPFKENEVVVEDNSADVIEILEEHEPLSTQN
KVEFEDNIAAGAEFVREHNPFKENEVVADNSAEVPEFLKEHDPFSKKNVVFEDNNAE
MPKILEDHDPFSKENEVFEDESAEVPDILKEHNPFKENEVIFSGNNADVPNIFRX
>comp14250_c0_seq3; 364 559 1953 LEN=2720; translated
MGSCMSKIGGSLILDNTDGGEYYHKRFIEDRILGEGEFGVVTLVHDLTKKREKRELEM
SRSGRHNDLNGTMHSEKSGKII IEDDNIGCDFDESSMACKTLRKGVMFKYNTVYAPLKPE
VLRREVDILRKLDGKCFCLKVHAVYETPRVINLITELCAGGDMFQYVSRREEDLRTDEVS
RIAYQLLSAVDHCAKNGVINRDIKPENIMFVSPAADSELRLIDFGSGTDRVVDGMHTTFA
GTAFYISP EMFQNTYTQKTDVWSCGVCLYVLIAGYPSDKLQTAFNLMHKITPGERNLRLN
PNMPENLPDSYHKMLKDLLEYKHKRKTAGQLLEKSDFVRFHKFASSVEKSNIIGSVGRH
SLFLDYQKFERCLTTLATMLSKSELLIFVETVQEEVREKLLKKEEEEERMKAAADKEKAE
DPADTDVELPKMEDKNKSLDVISVKRVIIEILRESNDQVYVTR
>comp14250_c0_seq4; 483 559 2292 LEN=2570; translated
MGSCMSKIGGSLILDNTDGGEYYHKRFIEDRILGEGEFGVVTLVHDLTKKREKRELEM
SRSGRHNDLNGTMHSEKSGKII IEDDNIGCDFDESSMACKTLRKGVMFKYNTVYAPLKPE
VLRREVDILRKLDGKCFCLKVHAVYETPRVINLITELCAGGDMFQYVSRREEDLRTDEVS
RIAYQLLSAVDHCAKNGVINRDIKPENIMFVSPAADSELRLIDFGSGTDRVVDGMHTTFA
GTAFYISP EMFQNTYTQKTDVWSCGVCLYVLIAGYPSDKLQTAFNLMHKITPGERNLRLN
PNMPENLPDSYHKMLKDLLEYKHKRKTAGQLLEKSDFVRFHKFASSVEKSNIIGSVGRH
SLFLDYQKFERCLTTLATMLSKSELLIFVETVQEEVREKLLKKEEEEERMKAAADKEKAE
DPADTDVELPKMEDKNKSLDVISVKRVIIEILRESNDQVIAMIDKLPGSDSYDDFAYNIA
VLKYFVGKSHGGGRERQRPMSRRSSRVFGKIKQSLDSSLHSISGRIRSSLDWSGHSS
NSGRMRPASMDGSNHSYTARKASQQFP MNGNRPAPLI
>comp14250_c0_seq5; 69 1 909 LEN=2023; translated
EVVFEVFEENSAGAHDPFSKENEVDASQVVSAAVPSYVFPDPDHQMFHNYFKGKSGKVVR
DMLMAHAYIFHKNATYGGCCGTASAKISAHEDLLSSLGLNGPLRFRCPRDFVHDTRTRRS
VIPKDKYTAEDTRIWTPEYVDYLRSLVTYPEKRHQGYTIVVHMLRGNTSPCKEKTNGYNS
YLPNLHYLKVIEKYMOPGARVIIYTSSKSFEDLNEFRNRGYEVNTGTSLKDTWKDYVTAD

FDQESFLIRYERMMKGQVEVEQTTTISYVQSLLDLLESIQPEEIQAGKNYEDAEQSNPLLR
EISLEQLKRMYSKLENLGEYDTIKIDKQFLMVLEIFCEEKEAASTIDNIEKNEEKVSWAE
IIQCYRSCVLGMQTLLEIIGPHTMIRKRAKERILAMLSLYRKSSFEGNDSLATASSMTPDV
ASSKITWNDKSNISSKVNQRRYQKTKQGWLLNFIAFVTGVMIATLSFHDRSSSAHRDAIS
ENTNKHTECPIAGKESFSSVEQQFEDQFLENMTYAPLPDQSKTNETRTRTFKKRNQPLSASR
TADAITSAQKPHDLAIFPSPDFSELVTAFDPKFGILSTDKEGQSDKATKIPLNDIKVASMI
GGFATGLYVLTSTGGVVAGLLSWLPMGMTVMIATLTAHGIRDGISGIWKKFRRNKKKRQD
IFT

>comp14255_c0_seq1; 424 184 1185 LEN=1596; translated
MHSSYIPVQNNTSHLPPSLEEYAAFHGMLCGPNTAHRCIDSFEEQGAIMFVDQRDCDTKTP
SAEESSTDYNFILIPFNELPIPLNVWTYLMMVATFTGFCSLMGWTRLIKAVDYTNQGNS
VGEKSNCDRISVSPSPRAHEAKKKIAPSSSFDTDFLWQFKSGDDKWFESSYSLSCSSAS
TIQNKANRPLRPPEAMEYVINRSVALGPLRQTQIERTDATKRTFNNTDYDNGSPKSVR
KHDNKGTKRIRTPSKSLQAISEDNSTRIKSKADATNPEITLMRHFYDFGGYISVMMLHF
ACTNGMTHLVEVFHLHEGTIPGILVHRFYKFAR

>comp14256_c0_seq1; 211 224 1324 LEN=2241; translated
MPPRDTSTEVAVVPEIDRSATAASNYSPPMSPLEANDHGETDDSGEYSIDIEIAPLVSAAE
GKRRAGGGSSGSPAAMSTPEWFRFHLKKNKGVLSACFSYSFCSVSMVLVNKSLASSYNHL
IKGDLNILLVVFQAIIVAVFAVEGCRKMNWVEYPSFNMDTAKQWAPVNIFFCAMLFSGMAS
LQYNSVPMVITIFKNVSNITTAAGDYFFGNKPENLVVVAFGIMLSGAVAAWNDISVSGT
GLLWMCNCLSSSGYVLYMKHATAKVKLSKFGMVFNVLCAVFLLPVAGLMGQTTVFAT
TSAIHTPDYALKNFLFAGLVGFFLNFASLNCVSVSGPTTYVTIGSLNKVPVAIIGYWIFDS
VISKETW

>comp14257_c0_seq1; 1009 607 3798 LEN=4550; translated
MSEYRWIKLENNLQVLLVSTASDKANGGGNNSGAKVEAASVHVQAGHFDDTIAGLAHFHE
HMLFLGTTKYPGEDEYEGFLSKHGGFCNAYTDMEDTNYFYSVTSQQVDTNETSEGLKGG
DRLAQFFIHPTFDPDMVERELRAIDSEYRNGKTSDSWRNYQLLKSLSNQKHPFSNFGCGN
YETLSSLGSPVQELKNFWKKYYTTSNMRLSVVGCSSLDALQKTVEETFGEALASDEPPR
EKVNPLSIFPRENAVHDPENPAFGPEQIGKFRQVIPLLESRTLKVQFVTPIYDVPVLRK
TRPHRVLSHLIGHESPGSLHLLNNGYITGLSSGAALDASDFSLFSVSLALTPKGMRAK
DEVLNLIFQWLSLIKNVATEQPELLERYHDELQQISMTNFKFREQGDPTDFCSSASDLMF
ETVRPEEILVAGSKSEKYDPAIAAAFDRLRPQNCMINIVDSDLKQENPDEWSVEPLYGA
VYRESNFDEDQIKLWENPAEIHPELVHPALNEYIPTDFSLRCKDSGDSMTEAERKRTKSE
PPTMFHQSENFRMWHKMDQFWRVPKTFIRLSLVTPRVYESPKSMTLSRIYQKVLNDDLNS
FVYDASLAGCNYRINCTPTGYKIAVRGYSEKLPILLETLTSRMLSLIKELKEGKDMHPAL
YDRFEKAKESLLRETKNYRLDNPYEVANYSRLLMEENVWYIDNYVDLLEGGQADKDLPT
MEQCAVAEESLTSRLNAEAMCIGNIDEKGTREVVDVINRVFINRSRPLNFAESPGRFSM
KLPTRAEAEYIFGSEVKKELVPVKYQELASSPSEENNAVEMTLQFGSDASLGYEIGIL
LIGHLAYSSAYNQLRTKEQLGYIVSVYTRKTAGSTWGLTMVQSSSKPKHLEERIEQWL
KTFREELEGGKSPFLFATEARGVVVQLMEEDRKLSSSEVGSWNEIAATEANHDRLKTPSFD
RLEKLADENLPTSEGLSDTTLIGSKRKSPEELKERVLRMFDQFCASDSPDRRAISSRVFS
HASKEEYEESLAEPGVLSYSDMQYLKEFLPTWVVPVYWRITK

>comp14258_c0_seq1; 200 153 545 LEN=1470; translated
MSGNNSQRRRSKSSSTKKGAANKNDSERTVAKRGRGKRRGSDAKHETPSKRDSNKKINQR
RLSGNSKKGKSGNRKSKQDAKANKREKKEPMTAEQLDASMDDYWSKSKDKTIIISKKLDDD
MEEYWAKKEE

>comp14258_c0_seq2; 232 153 608 LEN=1533; translated
MSGNNSQRRRSKSSSTKKGAANKNDSERTVAKRGRGKRRGSDAKHETPSKRDSNKKINQR
RLSGNSKKGKSGNRKSKQDAKANKREKKEPMTAEQLDASMDDYWSKSKDKTIIISKKLDDD
MEEYWAKKEENLPEETDADKAEPKEEGKQEE

>comp14258_c0_seq3; 165 153 546 LEN=546; translated
MSGNNSQRRRSKSSSTKKGAANKNDSERTVAKRGRGKRRGSDAKHETPSKRDSNKKINQR
RLSGNSKKGKSGNRKSKQDAKANKREKKEPMTAEQLDASMDDYWSKSKDKTIIISKKLDDD
MEEYWAKKEENX

>comp14259_c0_seq1; 677 1499 2719 LEN=3309; minus strand; translated
MSILSFVGSCLLATIAPTYYTGFLLSQQQHAMKNSKPMFQFETGKLSTTNLHQSSRPE
DLYAAVHRKEYEMRGVKQQHKSSADPVRMAMSYAQETQSSMKLAKALRRVHDDPFRNNEE
ELSEEEMARKQKLMNGLGEMTMRRACFCVDVCRKSLSRPGEKPFRCFDNAAMVCEAMVR
LGADVVFVNVDYPAYGGDISSELKSAVNAVRKASDTAAVMKDIVVDEIQLGLAKEAGCDG
ILLIASVLGPALDNFLDLATTIGLETIVECHTNNEVQRALDAMATNILVSNYDRVAQQMY

PEQAIKLAGLFPGSGGPIICLAGGGIETPEQMKRHLAVGYDGVIVGKAVMGSAKAPEFIR
VVRDRSLLPAELSQWGLEDFDLNGQPMPGPKQDIPNPYDDVYQ
>comp14259_c0_seq2; 677 1728 2948 LEN=4563; minus strand; translated
MSILSFVGSCLLATIAPTYTTGFLLSQQQHAMKNSKPMFQFETGKLSTTNLHQSSRPE
DLYAAVHRKEYEMRGVKKQHKSSADPVRMAMSYAQETQSSMKLAKALRRVHDDPFRNNEE
ELSEEEMARKQKLMNGLGEMTMRRACFCVDVKKRSLSRPGEKPFRCFDNAAMVCEAMVR
LGADVVFVNVDYPAYGGDISELKSAVNAVRKASDTAAVVMKDIVVDEIQLGLAKEAGCDG
ILLIASVLGPALDNFLDLATTIGLETIVECHTNNEVQRALDAMATNILVSNYDRVAQQMY
PEQAIKLAGLFPGSGGPIICLAGGGIETPEQMKRHLAVGYDGVIVGKAVMGSAKAPEFIR
VVRDRSLLPAELSQWGLEDFDLNGQPMPGPKQDIPNPYDDVYQ
>comp14260_c0_seq1; 832 160 2202 LEN=2523; translated
MNSHNPGSAGMVTSPSLDQAIENKTEGRPEANESSTNDGDDAGAVAKKDGSSSSGSS
DSTGGLKVLFLSSDTGGGHRASAESLAAQFELLFEGSSYDLLDLATEAYLPPYNSIVPYY
KHLSAHPNQWKILYRVSNSKAMERVVETNIKVMSVVCERTIRKKIKSYKPDVVVSVHPLQ
TSVPVLSCAKISHETGKHLPMFTVVTDLGSASTWFSGGVEKLFVGSQPQIHELARQKGI
EDKLVLVGLPIRHDFAIQSEKLGDRMSESGKAYQRQIREKLELPAMDRKTLVMMGGGEGV
GSLSNIVDALYTELVKQGVNAVIMVVCGRNETLKKGLENRDWGEVVFQKRRTTSKIEKKKLG
LFSASTLFPDLTGGCGDAAEVTLNAGCIEAGGSFNTRKILSSGSMRKNDDSAVFIPSPT
NRMQAIENGTNEEKTDDVRSENNKINALETIPSDRTVSESKGTYVSESEVDDSALEENG
NLSIKQTESLEANGTGMVSVVPLGFVTNMAEYMVAADVLIISKAGPGTISEAAALSLPVML
TSFLPGQEEGNVDYVVDGGFGSFCQDQDTGAVAEVALWLNDELKLEKEMSDAAKKGAPF
AARDIVQQIGDSTLKWKLNDGQFTEIISGEDLSDDKEKEKEEIAKIMAEEEKINADIIAS
AELTPAEAEETIESEALNETI
>comp14260_c0_seq2; 618 1 1915 LEN=2236; translated
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DLATEAYLPPYNSIVPYYKHLSAHPNQWKILYRVSNSKAMERVVETNIKVMSVVCERTIR
KKIKSYKPDVVVSVHPLQTSVPVLSCAKISHETGKHLPMFTVVTDLGSASTWFSGGVEK
LFVGSQPQIHELARQKGIPEDKLVLVGLPIRHDFAIQSEKLGDRMSESGKAYQRQIREKLE
LPAMDRKTLVMMGGGEGVGSLSNIVDALYTELVKQGVNAVIMVVCGRNETLKKGLENRDW
GEVVFQKRRTTSKIEKKKLGFSASTLFPDLTGGCGDAAEVTLNAGCIEAGGSFNTRKILS
SGSMRKNDDSAVFIPSPTNRMQAIENGTNEEKTDDVRSENNKINALETIPSDRTVSESKG
KTYVSESEVDDSALEENGLNSIKQTESLEANGTGMVSVVPLGFVTNMAEYMVAADVLIISK
AGPGTISEAAALSLPVMLTSFLPGQEEGNVDYVVDGGFGSFCQDQDTGAVAEVALWLN
DELKLEKEMSDAAKKGAPFAARDIVQQIGDSTLKWKLNDGQFTEIISGEDLSDDKEKEKEE
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>comp14261_c0_seq1; 321 245 1798 LEN=2359; translated
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LLELFQRADHKDQKLVNVLSSKNDDSSGLDTTTTLPKPKLSACDRDANELRSQLEPLSTP
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LDPALVKELVQEMEAIWPRTRERPKISAEGYVILQRPLPSASTTNRRTTAGAEIDPLSQ
KASNKAKREAELKRFMGIWTKALEAIETVDKIFAQQFTALAVTMNFRGSPHIDTLNIAP
FYGLALGDFTTGGGKLCVECSATEVAEIDTRGRLAKVDGRFCHWVSDYEGTRYSLIYYVTH
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>comp14261_c0_seq2; 321 245 1798 LEN=2348; translated
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LDPALVKELVQEMEAIWPRTRERPKISAEGYVILQRPLPSASTTNRRTTAGAEIDPLSQ
KASNKAKREAELKRFMGIWTKALEAIETVDKIFAQQFTALAVTMNFRGSPHIDTLNIAP
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>comp14262_c0_seq1; 873 1 3301 LEN=3335; translated
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EIVVAAGGKDGESRNFVGHGPGGRRSNREGTLSVRTDPVFEYFCEKCILSLFVDIAREVR
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YINELIKCIMPLQWTEPAISKMLPAYVDLLKNLTLQLADDPHLPFLTIENTSGVDDDD
DEGDSQSIEFPLFSAALLETATSVYAQNSQIYATCLAIIVNLMHVPHLP IQTWICQSSV
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GMDVRLCESLLQRLVSVLLKSLSQSPPARPFLT VGLIDL DVIPEQEASAQVATLFFSYMF
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KSRKTCPNPFRHEMLKTLEGDYGEWRTAAVACLQLQSVLDTDETDTDTMIMSGVITGDNST
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SVSKEANEDLHLDFTDTADPLTRTIGGLSDKLVGSDLDLTGRMFFKFQSAVNPDLTQSF
ADIILNDGSPEDSINATHPTAQLMLVLDPTEILIVKPLVKKMEENRGTVLCGISLRNIIA
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>comp14263_c0_seq1; 386 87 1377 LEN=1415; translated
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KTRGKPPRELVAIARRHGRRGADDLEPSEYCAAHLAQLTEAAVENLNDMAIPVPYDRLPD
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RNAAKEFLKESFDQLGAXPVQGLGVGQAIDRSMGAAHHESTTARETAFGRHG NRVCGRV
FALHGGACMPFRFAAAGAAVGFWMLCFAAPGLEPHGAASSGTDVPPISVNAXASMDETE
TRFLTGLEIA

>comp14263_c0_seq2; 320 1 1918 LEN=1956; translated
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PVQVMMSHVKDDPSLKRAICTKTRGKPPRELVAIARRHGRRGADDLEPSEYCAAHLAQLT
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DKQGEFKGDSEQKEKKASDAIRNAAKEFLKESFDQLGAFRSVLERASHRSTDGSI GHRH
RSGAAHHESTTARETAFGRHG NRVCGRV FALHGGACMPFRFAAAGAAVGFWMLCFAAPG
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>comp14263_c0_seq3; 346 1 1892 LEN=1930; translated
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RPYPPALLARIRRELIEESGEGATRGGDVLDAVLAGSTHLV SIGANSRLGTSRDGSYQG
VTGRFCRLDFGLHKKDPSKYPMFRFLLQGSPDCANENQVSFDLRKLAVLARHADRAASER
DGEAHALPRALNLTAVAFHESRCGSTLVANSMIAMDPDKHRAYSSESSPPVAALHICGDYF
HRCTREQAASVLRDTIYLMSRTDDPLEERVFFKFQ SITSKA IPTFQMAFPEVPWMYVYR
PVQVMMSHVKDDPSLKRAICTKTRGKPPRELVAIARRHGRRGADDLEPSEYCAAHLAQLT
EAAVENLNDMAIPVPYDRLPMMWETIMPKIFGRPLEQFEIDNLKEISKSYSKQKGKNDK
DKQGEFKGDSEQKEKKASDAIRNAAKEFLKESFDQLGAXPVQGLGVGQAIDRSMGAAHHE
STTARETAFGRHG NRVCGRV FALHGGACMPFRFAAAGAAVGFWMLCFAAPGLEPHGAAS
SGTDVPPISVNAXASMDETEETRFLTGLEIA

>comp14263_c0_seq4; 225 1 825 LEN=863; translated
XSALVCVRSSRAIPCRAAQKRAICTKTRGKPPRELVAIARRHGRRGADDLEPSEYCAAHL
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GKNKDKQGEFKGDSEQKEKKASDAIRNAAKEFLKESFDQLGAXPVQGLGVGQAIDRSMGA
AHHESTTARETAFGRHG NRVCGRV FALHGGACMPFRFAAAGAAVGFWMLCFAAPGLEPH
GAASSGTDVPPISVNAXASMDETEETRFLTGLEIA

>comp14263_c0_seq5; 199 1 851 LEN=889; translated
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AQLTEAAVENLNDMAIPVPYDRLPMMWETIMPKIFGRPLEQFEIDNLKEISKSYSKQKG
GKNKDKQGEFKGDSEQKEKKASDAIRNAAKEFLKESFDQLGAFRSVLERASHRSTDGSI
GHRHRS GAAHHESTTARETAFGRHG NRVCGRV FALHGGACMPFRFAAAGAAVGFWMLC
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>comp14263_c0_seq6; 360 87 1403 LEN=1441; translated
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TDDPLEERVFFKFQSSITSKAIPTFQMAFPEVPWVYRDPVQVMMSHVKDDPSLKRAICT
KTRGKPPRELVAIARRHGRRGADDLEPSEYCAAHLAQLTEAAVENLNDMAIPVPYDRLPD
MMWETIMPKIFGRPLEQFEIDNLKEISKSYKQKQKGNKDKQGEFKGDSEQKEKKASDAI
RNAAKEFLKESFDQLGAFRSRVLERASHRSTDGSIGHRHRSGAHHSTTARETAFGRHG
NRVCGPRVFALHGGACMPFRFAAAGAAVGFWMLCFAAPGLEPHGAASSGTDVPPISVNAX
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>comp14264_c0_seq1; 515 81 1433 LEN=1830; translated
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AKCIMDDVESKGGMTAFVNDGHAKLLMEESAACKQGRIDSGVDVVVGVNKYRLSDEEEQE
EKVDVLDVNDNSAVRNKQIARINEVKASRNDSEVKDALANLEKSARRSDSTSSADDPNLL
HLCIACAKARCTVGEMSALENAGRHVPSTSMIQGVYAASFNSRPGGGDSEAHGKCSAE
YQSMDDLVEEFEEAAEGRRPRILVAKMGQDGHDRGAKVIATGFADLGFVDVIGPLFQTPRE
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>comp14264_c0_seq2; 407 355 1690 LEN=2087; translated
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SDEEEQEEKVDVLDVNDNSAVRNKQIARINEVKASRNDSEVKDALANLEKSARRSDSTSSA
DDPNLLHLCIACAKARYVFIXKLYFSCLMI IAPSTRLYTLIYLSLCLAFSLYVVCGLT
FETEGAPLXEMSALENAGRHVPSTSMIQGVYAASFNSRPGGGDSEAHGKCSAEYQSM
DLVEEFEEAAEGRRPRILVAKMGQDGHDRGAKVIATGFADLGFVDVIGPLFQTPREVALQA
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AIFGPGTRIVDAAREVLNVIPLSHQ

>comp14264_c0_seq3; 445 81 1575 LEN=1972; translated
MRAARRLWAESVKEKFNPKNPKSLLLRTHCQTSYTLTETQPMNNIVRTTIGAMAAIQGG
TQSLHTNSYDEAIGLPTEQSARTARNTQLILQEETGITDVADPWGGSFMMESLTDELYNK
AKCIMDDVESKGGMTAFVNDGHAKLLMEESAACKQGRIDSGVDVVVGVNKYRLSDEEEQE
EKVDVLDVNDNSAVRNKQIARINEVKASRNDSEVKDALANLEKSARRSDSTSSADDPNLL
HLCIACAKARYVFIXKLYFSCLMI IAPSTRLYTLIYLSLCLAFSLYVVCGLTFETEGAP
LXEMSALENAGRHVPSTSMIQGVYAASFNSRPGGGDSEAHGKCSAEYQSMDDLVEEFE
AAEGRRPRILVAKMGQDGHDRGAKVIATGFADLGFVDVIGPLFQTPREVALQAIDSDVHI
IGVSSQAAGHKTLPLALQOELKELGADHMVVVAGGIIPSQDYDYLLKTKSCAAIFGPGT
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>comp14264_c0_seq4; 670 170 2681 LEN=3078; translated
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WTIRQYAGFSTAEESNAFYKKNLAAGQQGLSVAFDLP THRGYDSNHERVVGDVGMAGVPI
DTLDDMEILFDGIDLTKVSVSMTMNGAVLPILAFYIQAAIEQHMDDDDDMTQSEVMANLR
GTIQNDILKEFMVRNTYIYPPEPSMRIIGDIMGYTAKHMPNYNSISISGYHLQEAGADAA
LELGFTIADGLEYLRTAVDVAKLDVDKVTXKALIFLGYWSKFLHRDRENEGSKEDNFAEF
CLVSAESTNVNVIHSLLFVVESYHDL CVRRRLWAESVKEKFNPKNPKSLLLRTHCQTS
YTLTETQPMNNIVRTTIGAMAAIQGGTQSLHTNSYDEAIGLPTEQSARTARNTQLILQEE
TGITDVADPWGGSFMMESLTDELYNKAKCIMDDVESKGGMTAFVNDGHAKLLMEESAACK
QGRIDSGVDVVVGVNKYRLSDEEEQEEKVDVLDVNDNSAVRNKQIARINEVKASRNDSEVK
DALANLEKSARRSDSTSSADDPNLLHLCIACAKARCTVGEMSALENAGRHVPSTSMI
QGVYAASFNSRPGGGDSEAHGKCSAEYQSMDDLVEEFEEAAEGRRPRILVAKMGQDGHDRG
AKVIATGFADLGFVDVIGPLFQTPREVALQAIDSDVHIIGVSSQAAGHKTLPLALQOELK
ELGADHMVVVAGGIIPSQDYDYLLKTKSCAAIFGPGTRIVDAAREVLNVIPLSHQ

>comp14264_c0_seq5; 600 170 2823 LEN=3220; translated
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WTIRQYAGFSTAEESNAFYKKNLAAGQQGLSVAFDLP THRGYDSNHERVVGDVGMAGVPI
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GTIQNDILKEFMVRNTYIYPPEPSMRIIGDIMGYTAKHMPNYNSISISGYHLQEAGADAA
LELGFTIADGLEYLRTAVDVAKLDVDKVTXKALIFLGYWSKFLHRDRENEGSKEDNFAEF
CLVSAESTNVNVIHSLLFVVESYHDL CVRRRLWAESVKEKFNPKNPKSLLLRTHCQTS

YTLTETQPMNNIVRTTIGAMAAIQGGTQSLHTNSYDEAIGLPTEQSARTARNTQLILQEE
TGITDVADPWGGSFMME SLTDELYNKAKCIMDDVESKGGMTAFVNDGHAKLLMEESA
KQGRIDSGVDVVVGVNKYRLSDEEEQEEKVDVLNVDNSAVRNKQIARINEVKASRNDSEVK
DALANLEKSARRSDSTSSADDPNNLLHLCIACAKARYVFIXKLYFSCLMIIAPSTRLYTL
IYLSLCLAFSLYVVCGLTFETEGAPLXEMSQALENAWGRHVPSTSMIQGVYAASFNSRP
GGGDSEAHGKCSAEYQSMLDLVEEFEEAAEGRRPRILVAKMGQDGHDRGAKVIATGFADLG
FDVDIGPLFQTPREVALQAIDSDVHIIGVSSQAAGHKTL L PALQQELKELGADHMVVVAG
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>comp14264_c0_seq6; 681 170 2708 LEN=3105; translated
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WTIRQYAGFSTAEESNAFYKKNLAAGQQGLSVAFDLP THRGYDSNHERVVGDVGMAGVPI
DTLDDMEILFDGIDLTKVSVSMTMNGAVLPILAFYIQAAIEQHMDDDDDMTQSEVMANLR
GTIQNDILKEFMVRNTYIYPPEPSMRIIGDIMGYTAKHMPNYNSISISGYHLQEAGADAA
LELGF TIADGLEYLRTAVDVAKLDVVKVAPRLSFFWIGLNFYTEIAKMRAARRLWAESV
KEKFNPKNPKSLLLRTHCQTSGYTLTETQPMNNIVRTTIGAMAAIQGGTQSLHTNSYDEA
IGLPTEQSARTARNTQLILQEE TGITDVADPWGGSFMME SLTDELYNKAKCIMDDVESK
GMTAFVNDGHAKLLMEESA KQGRIDSGVDVVVGVNKYRLSDEEEQEEKVDVLNVDNSA
VRNKQIARINEVKASRNDSEVKDALANLEKSARRSDSTSSADDPNNLLHLCIACAKARYV
FIXKLYFSCLMIIAPSTRLYTLIYLSLCLAFSLYVVCGLTFETEGAPLXEMSQALENAW
GRHVPSTSMIQGVYAASFNSRPGGDSEAHGKCSAEYQSMLDLVEEFEEAAEGRRPRILVA
KMGQDGHDRGAKVIATGFADLGF D VD I G P L F Q T P R E V A L Q A I D S D V H I I G V S S Q A A G H K T
L L P A L Q Q E L K E L G A D H M V V V A G G I I P S Q D Y D Y L L K E T K S C A A I F G P G T R I V D A A R E V L N V
I P L S H Q

>comp14264_c0_seq7; 751 170 2566 LEN=2963; translated
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WTIRQYAGFSTAEESNAFYKKNLAAGQQGLSVAFDLP THRGYDSNHERVVGDVGMAGVPI
DTLDDMEILFDGIDLTKVSVSMTMNGAVLPILAFYIQAAIEQHMDDDDDMTQSEVMANLR
GTIQNDILKEFMVRNTYIYPPEPSMRIIGDIMGYTAKHMPNYNSISISGYHLQEAGADAA
LELGF TIADGLEYLRTAVDVAKLDVVKVAPRLSFFWIGLNFYTEIAKMRAARRLWAESV
KEKFNPKNPKSLLLRTHCQTSGYTLTETQPMNNIVRTTIGAMAAIQGGTQSLHTNSYDEA
IGLPTEQSARTARNTQLILQEE TGITDVADPWGGSFMME SLTDELYNKAKCIMDDVESK
GMTAFVNDGHAKLLMEESA KQGRIDSGVDVVVGVNKYRLSDEEEQEEKVDVLNVDNSA
VRNKQIARINEVKASRNDSEVKDALANLEKSARRSDSTSSADDPNNLLHLCIACAKARCT
VGEMSQALENAWGRHVPSTSMIQGVYAASFNSRPGGDSEAHGKCSAEYQSMLDLVEEFE
AAEGRRPRILVAKMGQDGHDRGAKVIATGFADLGF D VD I G P L F Q T P R E V A L Q A I D S D V H I I G V S S Q A A G H K T
L L P A L Q Q E L K E L G A D H M V V V A G G I I P S Q D Y D Y L L K E T K S C A A I F G P G T R I V D A A R E V L N V
I P L S H Q

>comp14264_c0_seq8; 477 355 1548 LEN=1945; translated
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SDEEEQEEKVDVLNVDNSAVRNKQIARINEVKASRNDSEVKDALANLEKSARRSDSTSSA
DDPNNLLHLCIACAKARCTVGEMSQALENAWGRHVPSTSMIQGVYAASFNSRPGGDSEA
HGKCSAEYQSMLDLVEEFEEAAEGRRPRILVAKMGQDGHDRGAKVIATGFADLGF D VD I G P L F Q T P R E V A L Q A I D S D V H I I G V S S Q A A G H K T
L L P A L Q Q E L K E L G A D H M V V V A G G I I P S Q D Y D Y L L K E T K S C A A I F G P G T R I V D A A R E V L N V
I P L S H Q

>comp14265_c0_seq1; 244 1 1078 LEN=1658; minus strand; translated
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LGIYYVVEGVIYKPAIRSLMKSNSVRTLDGLAGMASIVFERATQLTVARVARYCSIMAR
HLVVFVFEWYSVRLDITLGAVTDXITGFISFFGCFDVTTGACALSVCARYLPSTGYTWLF
NENEDVNKSKNDVDAVDPVVSMLKLNKRMKRKILDNRKAGERNEAEEEEGLRASAAIDQI
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>comp14265_c0_seq2; 500 587 2026 LEN=3436; translated
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KRAKLLPGITTKSTMTATVAATGGVTSRLGFNTGHLQGGTQVQMGSGALLPGGVPGSMM
AQQQQQGSYAQHQQGTGVALPVGRGIRLGGAGVAPATARKGPGVGGIVWGGPQMMGMN
DQAVAERRQRNREHAKRSRVRKFKFMLES LQEQVASLQRENQRLRMLVQDNIPHAQVIIS

ECCTSSPLFGDGNAQSGEEETQDRGTALVRSDFQLIDSLSAGQQNFVLSDPRLPDNPI
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>comp14266_c0_seq1; 761 90 1217 LEN=2200; translated
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VEDDGFVTPQYVSGEDYDKQADFKAKAADAKNNGNYEEALQSYNEAVLAAPPSALLYANR
AIALEKLGHYKAAELDCKLALQNPDSAKALKTRGKLRFMHLDDWEGALRDL SQAQSIDF
DPDVADMLKELTKKRIEKEKEEAHERIQKEEAMRKAEDIKKAREEAKREAEAAAASSAG
MGGMPGGMPGMGGMPGMGGMPGMGNPDMMQGMMNDPEIKEAMQNPKVVAAFSEIMNG
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>comp14266_c0_seq2; 695 90 1396 LEN=2379; translated
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FLLGAYLAEQYDAVLR SIGTYGSFLSRSMFTNVCFNVRIVILPRKLFRLDLSQAQSIDFD
PDVADMLKELTKKRIEKEKEEAHERIQKEEAMRKAEDIKKAREEAKREAEAAAASSAGM
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>comp14267_c0_seq1; 621 362 2810 LEN=3282; translated
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SRKTKKRAVDY EKLLSQVTKRIEDMTCQAFVDDMDFMDEKGV LKIDEGVGMGRYAYSNEE
XDDAHGVRTLKYSTLLRSFVFLGFWRVFCNSIGDRKDLTSSFVIYRRLKTRDNL SRVL
DSVDLENGDSNSEESASSFLKQVKVPELSSLVSKSEDAGAGGEVNATTTAIGPLLYVRDD
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AVTAKIEDTPAIQEARRKLVLLQEQLNEKEKAHTALVESGLKAGQAVANVKLASLNPTLR
NKIRQSAEALLILEQKVSQNLVYELERIYTYLVTELENPTTKGYIPLQDRLNVAEYGLL
ESQVESCSKDLNSKGVLDADILAVIAEQMTDFKRR LGIDYYVTGLTYDREAI VRWLN DLV
ISSKTGIMFYVKGTRFLFWSVDVLYSVSLIGRAAQGVTLKPREVRTIRYVALVSKIFGT SCL
ARIDSTIPLVLLSDTTALYVISNKIRFLFHENEMCRRTFKDVITFIPVVIIL I IPLSPV
GHVLVFGAIQRFFPGFFPSCFTEQRQNL LQLYETTEFSEVVIKETLQERLNRFL EALAFS
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>comp14267_c0_seq2; 728 362 2689 LEN=3161; translated
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DVITFIPVVIIL I IPLSPVGHVLVFGAIQRFFPGFFPSCFTEQRQNL LQLYETTEFSEV
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>comp14267_c0_seq3; 798 362 2536 LEN=3008; translated
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VRTIRRTFKDVITFIPVVIILIIPLSPVGHVLFVFGAIQRFFPGFFPSCFTEQRQNLQLY
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VEKK

>comp14267_c0_seq4; 752 362 2649 LEN=3121; translated
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>comp14267_c0_seq5; 575 362 2923 LEN=3395; translated
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>comp14267_c0_seq6; 645 362 2770 LEN=3242; translated
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>comp14267_c0_seq7; 682 362 2802 LEN=3274; translated
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>comp14267_c0_seq8; 691 362 2657 LEN=3129; translated
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>comp14268_c0_seq1; 494 45 1667 LEN=1760; translated
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LTRELVS DYGAKDNEEDTDDLNDPYGRVETHSLGRKNEKQAVTAQFMLGPDQFLTDFPL
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DVRKIPHLDGMLLVQVSLAVPRGGRKLQKRAEALVENMARSLSVRSRTRQRLARQSQ
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>comp14269_c0_seq1; 107 85 792 LEN=1510; translated
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>comp14269_c0_seq2; 107 85 792 LEN=1543; translated
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KVTVKMMNGDYCDNIDYCSRGLEGKTSRGARQRIHKNQRVRTAVLEEQLQRTEGLLDA
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>comp14269_c1_seq1; 186 517 981 LEN=2581; translated
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>comp14270_c0_seq1; 106 1 366 LEN=1151; translated
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VA
CW

>comp14271_c0_seq1; 757 246 2222 LEN=2306; translated
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GEEGTAPAPAPLEQPAPPAPQPEPVVAQVSTPPPPPPKPEPVPEPEPEVPRPVTVTSSK
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SPPAIRESVLVTLRAALMSAVDTCNIALAQPATPVAASPDGSI EGMVACIEGAVTMYKNS
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PQAQAPPATS VVPEPPAPQAPPATSEASPPTEENSKALESVLEKVIAASGDGKLGRLSD
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>comp14272_c0_seq1; 973 97 3120 LEN=3244; translated
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EGSRKKRTIEGVHDGSKEVKSVPLSYSFRRTNSSCSNSTATASKTTDQSMTESPSKRERS
SSRDSNFLPPMPRSANIFDERERPAHRRRTNSGNSTTSSLSGGGFLSSYEGPKVEDVPM
KASPKRRKGSSEPVSIERDTPSSIFKRKGGSRMANASDHSIDDAETSRFRQLSMKDSE
QEDSNENRNIFLSLSTSPINHRDDETPLKTNINRKKNLTPKMTVKTDMDEINEKPRLGS
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KKSQVSKELGSKASQPEQLYHSNSVFMRRQKQATPQFFSHGPPREGLPPTPVYAGSKTQ
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>comp14273_c0_seq1; 570 1 3807 LEN=3807; minus strand; translated

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TVEELIESANALNTVRSNAFENRVSKELDTSFQSLMATKEDWSKRFRKILNAEQSSLSS
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RVRWIRFEFESNSDSISIRFFETRTSVKMPIARNERNVNAVAKYLRSSELLTRFERASLVD
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VRAPVGIPLLEEQQGFWKRLGLRLRRGGAGGTGPRDRLPAPAAAGSDAATATGAPAAAAR
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>comp14273_c0_seq2; 13 1 314 LEN=314; minus strand; translated

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>comp14273_c0_seq3; 625 1 3899 LEN=3899; minus strand; translated

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AEFDGIPYADTFAVEMRWVATRKGAKDVQVEVGLFVNFKKRTMLRSQIESGTIEETRNH
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>comp14274_c0_seq1; 191 1 1352 LEN=1480; translated
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FAPSREWMLLRKLLKLVPIGEVLNDWTCRLVHEMEPNQDSSSSRTRKEENAIKSAKLL
PVQLPRIEFVSLKSRKVSIVYVHVYIHTASIGMLRSIPIEMCSIIISANIEKQSFLSFEK
ARSSILGERDILNKNYGQIFTLSTCEQFTTDEKKHEVTSKSVESPFGLLEELFPEDPWRV
LICTMLLNKTQRKQNLDTLFLHIFQKWPTAESVVDAAANNEAVRLFVFALVRPAGLGRS
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>comp14274_c0_seq2; 84 1 702 LEN=702; translated
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FAPSREWMLLRKLLKLVPIGEVLNDWTCRLVHEMEPNQDSSSSRTRKEENAIKSAKLL
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>comp14275_c0_seq1; 615 654 2992 LEN=3105; translated
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DPDYRSFKDLYSKIEKCVIQLGACNEDPLCKDCFTQDAPDYCYAIEFVSVVIDCTVCS
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NKPTPKPYIPQDDDYIDPSSDSGEGESKSHWFRNVVIFSLVSGVGYIYKQRFDFGFSFVQ
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>comp14275_c0_seq2; 527 654 3197 LEN=3310; translated
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>comp14275_c0_seq3; 727 194 2794 LEN=2907; translated
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>comp14275_c0_seq5; 423 654 3390 LEN=3503; translated
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>comp14275_c0_seq7; 529 654 3209 LEN=3322; translated
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PSSDSGEGESKSHWFRNVVIFSLVSGVGYIYKQRFDFGFSFVQYRRRVFVGGGGFAYGQV
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>comp14276_c0_seq1; 177 185 736 LEN=1576; translated
MGVFNDIASVDAFAINAYCIVSALFFSACAYAQLNDPNPQWFCAVYVGGCVPNLYWMTT
STDSNSATTQKLVLALHGFVGGGLLAIYKLATVAPKLLDEMAEHHHGLLWAFMEHEEGR
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VYVW

>comp14277_c0_seq1; 416 169 1260 LEN=1687; translated
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YNNVAGSCEQPNAFRQIVFAFVLTDPGCSVPGIELPDPQTIDAEISSRLRHNATDELGAG
PPDAAPPVTEQASGAFLIATQLRCNACSTLCEPFVAPALFSGEGVENFSKQPEEGECN
CDGPSRGDMTAE LNIGFGKILADQGVNGTDIVFNVDQLCIDGGCRPPDGTEICFTNDVAV
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PKL

>comp14278_c0_seq1; 426 224 1204 LEN=1391; translated
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RKAQKGGRAYWFKMFPQEAMEAFSSNPMSEAKLFRHVVKRRSQPIYTRIRELVLCHSS
DLADMPTQEEWLEKYSRESVTSYVGSVNVNVIDLTFVWTFEFDDIIQSWEENDFSRMQ
PSTEVAWMI CNLDLVDALYDTAKSKEAKYNKHVKIHQNKVQRSLIDQMKNGEFIGEGSDAE
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>comp14278_c0_seq2; 416 122 1102 LEN=1289; translated

MNPANESDQTCLPCCSSSSSEDDENGFDALNPEFLAVCVGFLTVMGSLVGYIYIQRKRER
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RKAQKGGRAYWFKMFPQEAAMEAFSSNPMSKEAKLFRHVVKRRSQPIYTRI RELVLCHSS
DLADMPTQEEWLEKYSRESVTSYVGSVNVNVIDTFTVWTFLEFDDIIQSWEENDFSRMQ
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>comp14279_c0_seq1; 721 92 1939 LEN=2155; translated
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PKQQDIDDKRTLIAKCGQDEDEELEVQDQVEGGSITAAIFGIVKGTVPAILYLPKGFQ
QAGWACALPALVSTFAYVYSAHRLQCWKVEEVRQQFLAQRMGIEIQKILERHDSIDYKD
PNDHKMRGERARSKHSVSHLQASPEDDRRAEALTAFKPKLLTYPELARRAFGPFPAFLIE
FGIAAMQFGVCLTYLIFVPANLYASCQALFGVAIPKSYFLVGMCLCIEIPCTFIRDIRRLT
PFNVFATILIVYGLGSCLLISFIYSFTQKEEPLFESVISLPAIQPAWFIFIGTAFVFEFEG
SITLVVPLQEAVYKDDRERFPMVNQNTISIVLFYMFALVWVATFEDQVQTALTASLP
PGHFSTSVQFAYSIAVVLTYPLQAFPALVLRKHGDAASTGIWNRNFYAGLLNVGLGI
IAI IAIDYLGNNVSLGLSLVGMPIALVYPPMMHNFVVKDSSATERCLNHLVSIIGLIATV
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>comp14280_c0_seq1; 459 166 1487 LEN=1641; translated
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GSTVVPRAAALLDVSPVTDILEIEDEKTFVRPMYAGNVLGKVVVKPGPNGNDRKVL SIRP
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FP ILEALADKLGVSVAALLSGMDPTGVFVDSRYEYDHDAAEFWRNWQQDCAVASGFFSRL
TFFVVS CASFLFCLVSR LIRNPMNEHESRGXNTQQAAVGASRAAVDAGFCPNWQVQGTG
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EKLLAFAGILSKEGHNTVLI

>comp14280_c0_seq2; 258 359 1174 LEN=1378; translated
MYAGNVLGKVVVKPGPNGNDRKVL SIRP TCFDKADLVDASSVEVESLEVEAFGKAEWVGE
SVS QSDRDLSSATTVVSGGRGIKSGENFP ILEALADKLGVSVAALLSGMDPTGVFVDSR
YEYDHDAAEFWRNWQQDCAVASGFFSRLTFFVVS CASFLFCLVSR LIRNPMNEHESRGAT
XQQAAVGASRAAVDAGFCPNWQVQGTGKVVAPDLYIAAGISGAIQHLSGMKDSKVIVAI
NTDAEAP IFQVADYGLQDDLFEAVPEL TEKL

>comp14280_c0_seq3; 453 166 1238 LEN=1392; translated
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GSTVVPRAAALLDVSPVTDILEIEDEKTFVRPMYAGNVLGKVVVKPGPNGNDRKVL SIRP
TCFDKADLVDASSVEVESLEVEAFGKAEWVGESVSQSDRDLSSATTVVSGGRGIKSGEN
FP ILEALADKLGAAVGASRAAVDAGFCPNWQVQGTGKVVAPDLYIAAGISGAIQHLSGM
KDSKVIVAINTD AEAP IFQVADYGLQDDLFEAVPEL TEKLLAFAGILSKEGHNTVLI

>comp14280_c0_seq4; 253 359 925 LEN=1129; translated
MYAGNVLGKVVVKPGPNGNDRKVL SIRP TCFDKADLVDASSVEVESLEVEAFGKAEWVGE
SVS QSDRDLSSATTVVSGGRGIKSGENFP ILEALADKLGAAVGASRAAVDAGFCPNWQ
VQGTGKVVAPDLYIAAGISGAIQHLSGMKDSKVIVAINTD AEAP IFQVADYGLQDDLFEA
VPEL TEKL

>comp14281_c0_seq1; 1000 1 2794 LEN=2871; translated
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EGIQTRERVLSRMGVL CRAWIKSVCEKRGLPREVVNSAGGQLFTAGSYRLGIHEPGADID
ALLVMP SMC TRQDIFGTSTTEDGESLPIDPDSLAEVRVRAHPDVTNFPVVEGAAVPILTFD
WEGVNI D L L FARLNTACVPPDFDIDNDANLDGVDAGTSRTMNATRVTNLIAALASGTRER
YQTF LTVVRCVRK WAKARGLYSNKMGYWG VNI NIAVALCVQLYPNSSPASLLRRFFLVF
KTWRWPKPLMLTKPHDAGYGLPVWAQGPQTARQVAPMLTPAYPSMNSMANVSRQTLQIFH
EEFCRGFEI IDRLWKQHEASEKRKAKSGNDAEDDADPLDWAELFRPSDFFIAYPYL SLC
IVGPTQADEQAWVGFVESRLRILVSGLLGKSLPLSKIQLWPKKIEACVADR SALLTMDQR
RNSITYFVGFVLDKLRMRGSQLNVELQMQHFRDWELSKFSPLVPGMDVMAKFTFTCKHLPL
ICFEMYDGGKQNAMKRRRMLRNIDPKRQERRAKKLADLKAKMAAIQKRKAAAAAESAMK
SETDNDDEEGKKRKRSDSETGDELDETTAVKEEAAPVSQDENDTNDGNGEEDLLEN
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VQRSKSRMQPTEENEKLYRDIRALPMKEEEAQLLRSAGYTVVSDAETETKI IGGNMPTPY

RSRTDDDENGDGEAPNGTKKKKPKASILFRTKFDIVDLDAAGHIIDKGDFFTPSKSWKG
RKAGFEFKLGERGLGYRTGKKVVVPSNTAY
>comp14282_c0_seq1; 701 171 1931 LEN=2066; translated
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DETEQPRKIQERKDLTLLVLALEFHKIAAEEDRRRLEKAESEDETKSSSSGNEYLENREK
MIDLAFEKLEEMEIDNKTMMQLRYVLQEGLEEQVKDLFDAFLSIDEELLLLRLDDEENTH
DADRADVDESYLEEILRLELERTIDELANTEQSRAPKGADPKEFLTLKRGAIETLLRER
EGEQRLSSQEI SNSDENESNNSTENQDANENTNDEKQNTVTWTPPDEFYHVSVD EERNR
LIRYYQSINLCRSKMRDQVGYSVIALRSSIPAAGRGVYVDGYARAGSILAFQPGPVWAK
ESLVNLSVDEERDLERNDAYQMSLRPDDYMIDSRSPYTVLVDDNSNLMALGHIVNHPSP
SNPPSCRSAMLNFTQGMEIGSSTKLRKYIPNTYARPRNVTLMDSLWDRDVIEMHSMVLI
TRDICNEEIFYDYLASSHL PQWYHKVDDTAFESVDELDDSDGND
>comp14283_c0_seq1; 525 324 1882 LEN=2124; translated
MAKGRNYVIGLXLEQNRFVFGPDRTAPDRTGVDDAMEKAKFAFLGGQNAGKTSILRRYF
QGTFFYGDCRMPTIGADVSTIVSANRPDPPAEDTATTHGGGGEAEETRGRAGGKRPDDSD
GDDDDDDAANHNHAGSDHRDRRGTTTRRPEPQGRRRRQPI SIQVWDT PGRERFENTGGTTR
YKASFSDDFLKDLDAVCLVYDVSSSTSFTHVLNWWYELIXAPPEDEGQPQALQEAPRSE
SAHRHRRQQDRHHRAPGAKEHAAEAASAPPEGPAPPEPEAGVRRAAAGRPAGGEELEGP
DYRYEYASSASSKPSGGTATTSNTNANSANANANANANNTGNNEEGNENRLELLTYLGT
NTNYLEAILNNEVYRGSYLDSSLSEEDNSHPDKDMVQLWCTRNGLIHMDVSAKSGAGIHD
LVQQLEIALKQIDESGEHPAGPNSGTGANANTNTNTSTAI AASET TA HGGTGDRGFRES
SIPLLLQH NKELDLHQRYGPKSKTCFWPPLSFRWCYGR
>comp14283_c0_seq2; 55 1 625 LEN=1712; translated
AWLALVCRAKPKSAKRGYQNNWLQRRPIRRIRHL CGYPHETEEAIASDGEAFVLTEAEFY
GRGSVRSLEDYMEFAGMTPNHTTGLLDCGPVWRWCNKGLKDDTSRKQQQQQQRKGDGHPGS
LPLREQGGVWQERNPHSAFVVVPLRALVSRNRCWHRAGDGARIVLILGT ELATELGSKGS
TFIGTTGGTAQGI PDKT PPGEPGGNRV
>comp14283_c0_seq3; 365 324 1383 LEN=1383; translated
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GDDDDDDAANHNHAGSDHRDRRGTTTRRPEPQGRRRRQPI SIQVWDT PGRERFENTGGTTR
YKASFSDDFLKDLDAVCLVYDVSSSTSFTHVLNWWYELIXAPPEDEGQPQALQEAPRSE
SAHRHRRQQDRHHRAPGAKEHAAEAASAPPEGPAPPEPEAGVRRAAAGRPAGGEELEGP
DYRYEYASSASSKPSGGTATTSNTNANSANANANANANNTGNNEEGTATTSNT
>comp14283_c0_seq4; 813 324 3321 LEN=4408; translated
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QGTFFYGDCRMPTIGADVSTIVSANRPDPPAEDTATTHGGGGEAEETRGRAGGKRPDDSD
GDDDDDDAANHNHAGSDHRDRRGTTTRRPEPQGRRRRQPI SIQVWDT PGRERFENTGGTTR
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DYRYEYASSASSKPSGGTATTSNTNANSANANANANANNTGNNEEGNENRLELLTYLGT
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LVQQLEIALKQIDESGEHPAGPNSGTGANANTNTNTSTSNTHGTIFPVRSDDSIFLSVA
AFREHLLTDTLVSAFGHAKNPNKLFVGVVVQNASGPSRTATATKPTAATATANNTVDTEI
DIDIDPSGTPCLTGPKVGTSTGKPKMQRLSAPPDANGVADFCGLPAYEAYCKNGQVRV
LYVHESDSLGPMSMARYASKLYGGETFFVQIDSHLRFASDWDQKYLDELRLTKNYPKSIL
STYPPGFGQIRFIPKRMKLDRESVNGTVVESPGCRLCNCATPLGEPNPILHVHQKAYF
GNETRPTQT PFLGAGLLVAHSSLLGEVFPDPYLPWTFMGEEILLAVRAWTHGWNIIYAPRK
NLV IHYRTRSMGIPKFFSSV NAKRGYQNNWLQRRPIRRIRHL CGYPHETEEAIASDG
EAFVLTEAEFYGRGSVRSLEDYMEFAGMTPNHTTGLLDCGPVWRWCNKGLKDDTSRKQQQQ
QQRKGDGHPGSLPLREQGGVWQERNPHSAFVVVPLRALVSRNRCWHRAGDGARIVLILGT
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>comp14284_c0_seq1; 566 121 1473 LEN=1893; translated
MDWNDFNTIRNKLGRGEELSTSDLISLDPLHDAIYDHEGCI VGNHKPCSSTKCRMEENAP
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NEPGDDINNANANNHRKSDAYQSKPSLIERTPLVVVPIPFASDWLHRGIVRDQRKSSAS
KSAVVS PVSANRGDRKRDRREVGGVGADEDCMKGDLDERVSCPM DINSNATDPLPKTT
TTEGKKNRSTIGSAGSSTPNADATTTDWWPAGTCGT SKDQCPILAKMICYDQLLSGEPL
DNEDDQESASGTRKQRERPLLLNDLVSMVGVLSIDPF EADFSGQETKNNELGYCLTEDP

LTMLMAEIPPPSRLPRLHVL SYRRLRLDDLARRAINV GKMDNDENNRDDIAL LSEQEEVR
ATEFRADGNSDDDDGDDDDHDGGGGGDDAE
>comp14284_c0_seq2; 566 136 1488 LEN=1908; translated
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NEPGDDINNANANNHRKSDAYQSKPSLIERTPLVVVPIPFASDWLHRGIVRDQRKSSAS
KSAVVS PVSANRGRDRKRDREVG GVGGADEDC HMKGDLDERVSC PMDINSNATDPLPKTT
TTEGKGNRSTIGSAGSSTNPNADATTTDWWPAGTCGTSKDQCPILAKMICYDQLLSGEPL
DNEDDQESASGTRKRQRERPLLLNDLVSMVGVLSIDPF EADFSGQETKNNELGYCLTEDP
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ATEFRADGNSDDDDGDDDDHDGGGGGDDAE
>comp14285_c0_seq1; 710 276 1931 LEN=2104; translated
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QDYDRARRHNDVARCESIADEILHTLNTKCVPTGRFLINSASNPNDAIWNLMGEYQSKQL
IHGMLFGVLP PASYL RQQHQIQEHQAVEQCNSNSNGNNEAE EHKRRRRSSLLRRSTSDSF
LNDSKKV LRYDHQLQNQRQEKFGQDRRMSKEEPIWSSSRQLTANGVVSLNRMDVILTSNR
KALDPNCQSIGNNRLHILVAMQSGKYQLANDRQKEAILDEVIQTVNSFWKGRFLTESIGG
SYELLDNADAKRSLRNIFDMRSGQNLFSQSSSPAINIPSN TVSSRLSGS QLMGRNSGIHA
LGKMNISSESLSGSFTNAMNDMNDANRFRQDTMNAMRHASASSLPVGNTSMISNDTKKI
LRRQLSSSVV PNLTQSKTLPNIEPPIGLSGIDDLRSAAIKSLQKQKARQQVANRLEK VAM
RNSQQQLHQQFQQPNANNTNGVNYNSNGNMNFS SFSMGGGAKRRQSSIFGALDPSMMDE
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>comp14285_c0_seq2; 710 276 1931 LEN=2084; translated
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IHGMLFGVLP PASYL RQQHQIQEHQAVEQCNSNSNGNNEAE EHKRRRRSSLLRRSTSDSF
LNDSKKV LRYDHQLQNQRQEKFGQDRRMSKEEPIWSSSRQLTANGVVSLNRMDVILTSNR
KALDPNCQSIGNNRLHILVAMQSGKYQLANDRQKEAILDEVIQTVNSFWKGRFLTESIGG
SYELLDNADAKRSLRNIFDMRSGQNLFSQSSSPAINIPSN TVSSRLSGS QLMGRNSGIHA
LGKMNISSESLSGSFTNAMNDMNDANRFRQDTMNAMRHASASSLPVGNTSMISNDTKKI
LRRQLSSSVV PNLTQSKTLPNIEPPIGLSGIDDLRSAAIKSLQKQKARQQVANRLEK VAM
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IVSGCFDDEDD
>comp14285_c0_seq3; 645 1 1815 LEN=1968; translated
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RHNDVARCESIADEILHTLNTKCVPTGRFLINSASNPNDAIWNLMGEYQSKQLIHGMLFG
VLPPASYL RQQHQIQEHQAVEQCNSNSNGNNEAE EHKRRRRSSLLRRSTSDSFLNDSKKV
LRYDHQLQNQRQEKFGQDRRMSKEEPIWSSSRQLTANGVVSLNRMDVILTSNRKALDPNC
QSIGNNRLHILVAMQSGKYQLANDRQKEAILDEVIQTVNSFWKGRFLTESIGGSYELLDN
ADAKRSLRNIFDMRSGQNLFSQSSSPAINIPSN TVSSRLSGS QLMGRNSGIHALGKMNIS
SSESLSGSFTNAMNDMNDANRFRQDTMNAMRHASASSLPVGNTSMISNDTKKILRRQLSS
SVV PNLTQSKTLPNIEPPIGLSGIDDLRSAAIKSLQKQKARQQVANRLEK VAMRNSQQQL
HQQFQQPNANNTNGVNYNSNGNMNFS SFSMGGGAKRRQSSIFGALDPSMMDEIVSGCFD
DEDD
>comp14285_c0_seq4; 645 1 1815 LEN=1988; translated
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RHNDVARCESIADEILHTLNTKCVPTGRFLINSASNPNDAIWNLMGEYQSKQLIHGMLFG
VLPPASYL RQQHQIQEHQAVEQCNSNSNGNNEAE EHKRRRRSSLLRRSTSDSFLNDSKKV
LRYDHQLQNQRQEKFGQDRRMSKEEPIWSSSRQLTANGVVSLNRMDVILTSNRKALDPNC
QSIGNNRLHILVAMQSGKYQLANDRQKEAILDEVIQTVNSFWKGRFLTESIGGSYELLDN
ADAKRSLRNIFDMRSGQNLFSQSSSPAINIPSN TVSSRLSGS QLMGRNSGIHALGKMNIS
SSESLSGSFTNAMNDMNDANRFRQDTMNAMRHASASSLPVGNTSMISNDTKKILRRQLSS
SVV PNLTQSKTLPNIEPPIGLSGIDDLRSAAIKSLQKQKARQQVANRLEK VAMRNSQQQL
HQQFQQPNANNTNGVNYNSNGNMNFS SFSMGGGAKRRQSSIFGALDPSMMDEIVSGCFD
DEDD
>comp14286_c0_seq1; 358 85 1392 LEN=1392; translated
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YDRDDRKKKKKSSKSHKEKREKSSRSAAGSPPKKKPKDKSTLCPMGGPVGRVPDSAID
PDKDYFSYHQEFVWYLFREEGTCFNIDITKEARAAFCRFAKAYNAGHLEEPYYTRNFPAA
VIEESKTTKHAWGFKTTHSERKGLNDLQKGVRRQTEYSSNTRKDQNVQVITGLEAKKSL
PVPNRAPPRQQRPTPGERLAQRRADKRLREEVQVAREELTGGPSSDPRERRLEKKREHS
ARIHGAHLQNEAAAAGMELSDADLFGGGAAGGRDGD SFAAAVARRKQHRERRDERRAIRI
EELRAKEAAPGAEGRA

>comp14286_c0_seq3; 449 85 1464 LEN=1601; translated
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YDRDDRKKKKKSSKSHKEKREKSSRSAAGSPPKKKPKDKSTLCPMGGPVGRVPDSAID
PDKDYFSYHQEFVWYLFREEGTCFNIDITKEARAAFCRFAKAYNAGHLEEPYYTRNFPAA
VIEESKTTKHAWGFKTTHSERKGLNDLQKGVRRQTEYSSNTRKDQNVQVITGLEAKKSL
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ARIHGAHLQNEAAAAGMELSDADLFGGGAAGGRDGD SFAAAVARRKQHRERRDERRAIRI
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>comp14286_c0_seq4; 379 85 1816 LEN=1816; translated
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YDRDDRKKKKKSSKSHKEKREKSSRSAAGSPPKKKPKDKSTLCPMGGPVGRVPDSAID
PDKDYFSYHQEFVWYLFREEGTCFNIDITKEARAAFCRFAKAYNAGHLEEPYYTRNFPAA
VIEESKTTKHAWGFKTTHSERKGLNDLQKGVRRQTEYSSNTRKDQNVQVITGLEAKKSL
PVPNRAPPRQQRPTPGERLAQRRADKRLREEVQVAREELTGGPSSDPRERRLEKKREHS
ARIHGAHLQNEAAAAGMELSDADLFGGGAAGGRDGD SFAAAVARRKQHRERRDERRAIRI
EELRAKEDERQKNMLRMLGLENLQGQAKLKIAPETTLPSEQAPARNETPKRRIPIFGFSAL
GFRSSPAPAHPGGSFRGAI FSLAXSLQVFAEHPEHVLLAFVFLGPELLDADHPALVPPL
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>comp14287_c0_seq1; 328 316 1178 LEN=1756; translated
MKVIYSQPKSFRGERTNRRTVDPESYHYRLGGGQQEEGGSNNESRQKLRWGKREGRSAT
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RPPSPVIMYEQQGPFDLNVECCQIEVSNDQPFKNNAHDNGNGFEERRTP IKGEGGDK
QFRGRSGTEQNDVKVGDSSSPDSRSFRKLPYESYESPEHRALYDSFRIVRNNSLLDTE
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>comp14288_c0_seq2; 733 213 2954 LEN=3214; translated
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RIRDGETSVADLMSLGQSLGRRQVQAGVPDIVKDVQIEATFPDGTKLLTVHAPISKLDG
DLNLALEGSFLPVPPELVFVGDLEEEKPGAVTLVETEETLNSDRLDLVELSVTNTGDR
PIQVGSYAFLETNKALSFRDQVSIKRLNIPSGASVRFEPGETKTVTLVLDIGGSCNVVS
GNRLHNGERSNENAIMDRVLSQGFLEHAAAEPKQPLVVERSSYADMYGPTTGDKIKLG
DTSLEIQVERDLTTYGEECKFGGKTLREGMGQSTS IQSDVALDVVITNALIVDSVTGII
KADIGIKGNKIVGIGKAGNPDMMMSGVVDENMIVGATTDVIAGEKLILTAGGIDTHVHYIC
PQQFEDAVASGLTTMFGGGTGP SAGTSATTCTPAPSQFEMMLKATDGI PMNFGFSGKNT
SDSSVLKECLMAGAAGFKLHEDWGTTPSAIDSLGFADEHDI AVTIHTDTLNE SGFVDDS
IAAMKGRTHIHTYHTGAGGGHAPDI IKIVEEPYVLPSSSTNPTRPFTVNTMDEHLDMLMVC
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>comp14290_c0_seq1; 541 263 1870 LEN=2378; translated
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>comp14291_c0_seq1; 262 1026 1400 LEN=1665; translated
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>comp14292_c0_seq1; 314 1 1953 LEN=1981; translated
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>comp14293_c0_seq1; 646 1 1828 LEN=1877; translated
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>comp14293_c0_seq2; 661 1 1864 LEN=1913; translated
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>comp14293_c0_seq3; 472 1 1338 LEN=1387; translated
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>comp14294_c0_seq1; 249 354 1317 LEN=1647; translated
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>comp14294_c0_seq2; 493 388 1785 LEN=2115; translated
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DKTPLYETTIEDEGRGGEATILPFSAYGAMGWARDEYDPNSGSSQFFWLLFDSDLTPAGK
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>comp14294_c0_seq3; 396 388 1891 LEN=2221; translated
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SAFLWGS PAMIADQATSHQLPFG LSETVQQHFVAGAKDKASATGSRVNKDAESLLRLGLP
INSKEVRELQTSLEGIKQDIGSKRKGAAADGAKKVSSILASKKADKMAAVCRDGNFCKET
MKQIDDLMDPLEKAIKASQDAFTGSLEERDALDKAYNAQVKA AKLLTELEE QMVPKGYKT
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NIDFFF FEKMSLTRTCFLTQPFNIEQPPVTGGNFVDLVNKGFDNMPIQRSDGFVVQTGE
PAGEAVGYTGGKPSK SIGQGPKGERLIPCEISIVGDKTPLYETTIEDEGRGGEATILPFS
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>comp14294_c0_seq4; 346 354 1211 LEN=1541; translated
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DKTPLYETTIEDEGRGGEATILPFSAYGAMGWARDEYDPNSGSSQFFWLLFDSDLTPAGK
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>comp14295_c0_seq1; 852 145 2391 LEN=2710; translated
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DRFQNSLICSSQFLPVATAVLS ELYGIGGTLESD EDDDDVEVDNGNNNDALKEHREHPLSL
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DKYEDLRTAYSEFLNTMLLPESA VTVQGMKNFLRQFVASPQSTKQYSDHELQVRNMA SML
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DGMTNAGPSNSLSISAEELRVKLEKSRADATKYNKKRQAMLGTSNDDERK LKGLISQGE
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>comp14296_c0_seq1; 1398 136 2931 LEN=3020; translated
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DESSSDEGNRSGDLVLVGTASAPIVESVTLSP IEDSLASLEAVEGGDSISDDDI ESRFIA
PYLEESGGLLKQGQVLV LNDEDGRKLEFVVS NLMIEGASDEASEEGTEEE EVRAGELNGE
TVT VVGG SAPRPLV GAGYDSVGGLEKAT TLMRELIEMPLRFPELWTTAGVPTPKGVLLHG
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ELEIAMPDEDGRHEILKIKTKDMQLDQDLDVDFQIARDTHGFGADLQQLTLEAALQCIRS
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LSEIDMGSGKTLFIIGATNRPDILDPGIMRPGRLDQLIYIPLPDFESRVSIFKANLRKS
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>comp14297_c1_seq1; 268 299 1569 LEN=1780; translated
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KSLPATLFLAAMMLTGQGGPEGALPWTSSVLLTGAFSIGMFAIPASMLTWGFEGXVFQ
RRRIGTKKVKKHKHIPAHRIAHVLHRDICFCTRARTHLCSGEAERLAKLRKMKCANPSN
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SRS

>comp14297_c1_seq2; 195 82 461 LEN=672; translated
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MKVSRS

>comp14297_c1_seq3; 329 299 1435 LEN=1646; translated
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KSLPATLFLAAMMLTGQGGPEGALPWTSSVLLTGAFSIGMFAIPASMLTWGFEGEAER
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>comp14298_c0_seq1; 402 115 1439 LEN=1822; translated
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RQHEEAQPEHPSPYQHYSLPASGGDRSDEIYGTYRGGGGPANTSRAGGADGVDALDRK
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>comp14300_c0_seq1; 1065 258 4070 LEN=4384; translated
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HIEKGDIGGAAGTVFFQFVIGQILWAEKYKFKPWVHFNNVSYIVFDPVVHGNSSGVDVTM
QKGMKISYVSRPMGHRRAVPGAPVGDPKNLTFFHFHFDGDGVWNNYFEPISDFAPGDKS
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QIAKEKKIPDWMWPHSNYLQQLPTKDQSCDSVNGILHISHIDPHDGSAAFFTSVLNQLI
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GSEQSNQTKRLRLQGNLIWSSYFHPVSDVFPVSGESCTGKPILSMDSMVSLSNSFDPLS
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PPCLAVHLRNADKEGSHRTKFPNPKFRDYLVAFARAGGKEVYVASDSHRSLEYIIQHFP
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LCSYEMQVTRRIWKIWRNLKGSAPIRIDIDLMCGIYNNFFVAKLSFFQSNEVRRFLKVV
DRQGMIRRRRLGDLMIHSMVYAFSPKEKIHRFLDFTYEHSTVDSKTCVTVGGIQAGYN
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>comp14301_c0_seq1; 648 322 1809 LEN=2127; translated
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FEELR TMLHYTGKRNDEINPKLAALVGDKLALDLYKAHYEIGKSGILYSANWREGKIRDG
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>comp14301_c0_seq2; 648 311 1798 LEN=2116; translated
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FEELR TMLHYTGKRNDEINPKLAALVGDKLALDLYKAHYEIGKSGILYSANWREGKIRDG
DFGLIPKGSLLLCLHEHRFARGSESLQAVARNLECTRIVLEAMDTWHLTEDFPNLLSTK
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TALARMRDKPPRSTRRARAPARVDRARKSRTPEDEGEGPGHPSPAAAQEKKTKRPSRRRR
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>comp14302_c0_seq1; 729 191 2352 LEN=2386; translated
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VDPRQWCGEPQQDGEICEDDDIAIPKKIHVRIYAIIDDLEPRYRSHPWEMILPFYDVLDP
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QMAGSNVRAAIVRS GADDTGENVGGGERLRVSVTGFRQVVTADGDDTHIALGGDSNTLF
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NLNYTNGTFPDAWRLKPLLPVVKLPKDCLVETETMKYCNPLHSETRSEKFFSFVPLVIL
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>comp14303_c0_seq1; 990 117 3686 LEN=4136; translated

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KPKKKRRSSVASDFKDNTAKKLS PSSGPKKVKTMKKTNEKDETEI WAVEGFRDRR INKK
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KNINALSSSEDDESIGGDMESTQYGT SRKRRRAQHKS I IAGDYEAISEQQSVVNTDCC
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DGDAEVWQSLVDDVDVCLHEFRYRFNKKIPPFKRRRSIGKKILALPALPFRGKAKPSHEE
LYQGQNEPVAFAFECPSDRSFLSLPEAPSNVTPADRKA IADGIGSIVPGDKIDVRIEGRKC
PAIVTEVYPNAHAAYVSFEDLPSLYNDFCLFDHLRISVVGGSCLVPPLPEDVVVVKLFVC
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>comp14304_c0_seq2; 504 263 1684 LEN=1851; translated
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AKSFNHTIQGPFRCFGFRSSNRDKNSSEKARSYKVPISVSDGIHKIHRARLTLKIKV

PGQKRPRIFKKEGPVEVLICGNSVKLTGMAAFNLASIAAPELKRENYSGTILIHFCPDIG
KVERVEEILWDRRQDQRYASQRLGEOCLVHEEIDYDNYDFETDTFPRVNTCEVQDIWE
NLCQNSGATSNYKWSQMSPKIRALADLTVGYEFKFEKHTSRDEFVNGGGVSLNEIDMP
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>comp14305_c0_seq1; 309 382 1290 LEN=1434; translated
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ETTKFDIDNIHITSTTVTPSHTPDKFPHFEYFPVYPSRSVRRLDFSSVLPDQNTQTTP
CRQQNLDPDFPRTLTMHPGDYSALKHMLRQKFVYSPMCESIPRRGSAFHTVTPVTEPSS
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SV

>comp14306_c0_seq1; 406 1465 2746 LEN=3014; translated
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FQCGTDVEVEGVQGIMDAYRGVFRTPLRMSFPTKFTTEVIHTAAGYAQHEQEGAREEGHLS
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TFTFLG

>comp14306_c0_seq2; 214 413 2647 LEN=2915; translated
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>comp14306_c0_seq3; 281 1465 2907 LEN=3175; translated
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GMSHSMPTAHVTQQMAAASISQSMPSRESVPAQRPEFTDYLIIGGCQISLAVAIDFTAS
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FQCGTDVEVEGVQGIMDAYRGVFRTPLRMSFPTKFTTEVIHTAAGYAQHEQYVLAYYHFWM
VLFVLSNIDWEGVENVNNRSIFRMTXNKLTYYDSSCTTTIVPILEGAREEGHLSYTIILLILT
TAGNVEDVQETKKHLIAASKEPLSVVILGIGDEDFTGMEFLDAFDADVEKGRDITKFKVFN
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>comp14306_c0_seq4; 339 413 2486 LEN=2754; translated
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GGMYNCECANCYGFRRFFVIEKMMIETIPKFNDNKNRVKQVYQSNVVKRDLQPVWNEAT
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>comp14306_c0_seq5; 470 413 2275 LEN=2543; translated
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CQISLVAIDFTASNGDPRVPGTPHYFHSAGSKQWNDYEKAIFAVGSILAKYSDNKFV
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QHEQEGAREEGHLSYTIILLILTAGNVEDVQETKKHLIAASKEPLSVVILGIGDEDFTGME
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>comp14306_c0_seq6; 426 808 2535 LEN=2803; translated
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VNEATLDLEAICNGDVNAMKII IWDHRRSGKHKLMGEFETSVRGLINASRSSNSNELIN
FPVQRQDNKPA GDCEVMKAYIIIGGRERDVGMSSHSMPTAHVTQQMAAASISQSMPSPRESV
VPAQRPEFTDYLI GG CQISLVAIDFTASNGDPRVPGTPHYFHSAGSKQWNDYEKAIFAV
GSILAKYSDNKFVWGF GAKYSDKVRHCFQCGTDVEVEGVQGIMDAYRGVFRTPLRMSF
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>comp14306_c0_seq7; 301 808 2696 LEN=2964; translated
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VNEATLDLEAICNGDVNAMKII IWDHRRSGKHKLMGEFETSVRGLINASRSSNSNELIN
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VPAQRPEFTDYLI GG CQISLVAIDFTASNGDPRVPGTPHYFHSAGSKQWNDYEKAIFAV
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DSSCTTTIVPILEGAREEGHLSYTIILLILTAGNVEDVQETKKHLIAASKEPLSVVILGIG
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>comp14306_c0_seq8; 345 413 2436 LEN=2704; translated
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FPHRVMGTALFEVGEILGSRGNVGSLSLQTGGIIYAHVERCKEDGEQGKFCFQLRAFKLR
NTHSSLMGMTSCPFELLRKVDRPTGAAWVKVYQSNVVKRDLQPVVNEATLDLEAICNGD
VNAMKII IWDHRRSGKHKLMGEFETSVRGLINASRSSNSNELINFPVQRQDNKPA GDCE
VMKAYIIIGGRERDVGMSSHSMPTAHVTQQMAAASISQSMPSPRESVPAQRPEFTDYLI GG
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REEGHLSYTIILLILTAGNVEDVQETKKHLIAASKEPLSVVILGIGDEDFTGMEFLDAFD
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>comp14307_c0_seq1; 1784 90 3935 LEN=4175; translated
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LIKRRQILRTEYEDGKSTIPDKELNDVWEFYDATVNALTA AFNDIVDDDSKKIPVSTES
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DGN DSTSTMVNVVFKEGYASARIYPKSYAAVDVGVWGSFENGDEF RKQIAKELKAETTS
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AQKSVAAVFCGVKDVDKCPSLDLLEKSTMVSKVIPVWACPELSNISDEDEAGKFRKMTEC
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>comp14308_c0_seq1; 361 376 1896 LEN=2876; translated
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>comp14309_c1_seq3; 887 1 4086 LEN=4264; translated
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DHIMNQFGAHVLGKCHRFRFIVARDNESWVSGPSGAVSNGQHIIQTLLENEKLSNHERQA
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VFRFLVGAAYNVKLEMSYLKERCARLPDYKVEKKNLFSFSCVDYGTTPNSRKVRPWNG
GTNNEGIQRSISGQITAFDHQSILITSVWMTDKTQCCPAEVKGCYYSVQDVSLGQFLRD
SCFNLSLKCQNPSCKKSVLDHLSLHVNDGLINITVDHMDEPLPPAPVDSTQTNDSSKHA
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DCACNLQESTTLFFGCGRLAAKFTYERIRPFVGFVRKSLPIDTTFHRARAQHLEKISIS
SSSLFVKFDKHIEKVAREARSVQRI SDNQNLTQTVISELSRISNEVDHAAKTLQEKIASVS
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RGQTPSNTPSSSGKKDIERRMLVRNKSHIKHTFRDLDEKGQNLCKFVCTTYWATQFHAVR
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VIKISRTELQMFLDCAPAYFEYLSKAFFHGLPTVLCKIVGVYQIGYHNRVTGKRSMEQV
AVMQNIFYNKKITKTFDLKGSRLGRFAAQMKNNYEEHSSPNI SNNVGGHSADSASGHRKH
SSESGYEVGGRSAVEDYLNNDREDGIDSKNSRKDGPDPAPRTLLDGD FLETTHGRPMPMH
DRAKEVFHMSILNDTLFLSIINVL DYSILVGI DEEKMELVVGIIIDFMRQYDILKQMERVG
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>comp14309_c1_seq4; 676 1 3474 LEN=3474; translated
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DHIMNQFGAHVLGKCHRFRFIVARDNESWVSGPSGAVSNGQHIIQTLLENEKLSNHERQA
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VFRFLVGAAYNVKLEMSYLKERCARLPDYKVEKKNLFSFSCVDYGTTPNSRKVRPWNG
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RGQTPSNTPSSSGKKDIERRMLVRNKSHIKHTFRDLDEKGQNLCKFVCTTYWATQFHAVR
EAFLSQGSSSKSDSTNDSAFGIQSGLDIEKSYILSLSSAYSWAASGGKSGASFARTADDRF

VIKISRTELMFLDCAPAYFEYLSKAFFHGLPTVLCKIVGVYQIGYHNRVTGKRSMEQV
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>comp14309_c1_seq5; 196 1 724 LEN=902; translated

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TLLDGDFLETTTHGRPMPMHDRAKEVFHMSILNDTLFLSI INVLDYSILVGI DEEKMELVV
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>comp14310_c1_seq1; 3178 1 9470 LEN=9550; translated

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KNVDSWTQELDQLEASERLIKRFHFHFGSDWMESTVVRGQFDLVKQILGRRITSMEQQFP
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RKWCHDKIDEVARKWFAGVDFDIALKRPIFYTTWLSKETKKVEREELKEFLAARLRV FYE
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>comp14310_c1_seq2; 1674 1 5549 LEN=5566; translated
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>comp14311_c0_seq2; 494 33 1124 LEN=1282; translated
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>comp14312_c0_seq1; 245 97 855 LEN=1672; translated
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>comp14313_c0_seq3; 176 1 333 LEN=333; translated
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>comp14313_c0_seq4; 553 1 1104 LEN=1144; translated
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>comp14314_c0_seq1; 620 603 2801 LEN=3140; translated
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>comp14315_c1_seq1; 468 1 1742 LEN=1980; translated
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>comp14316_c0_seq1; 550 226 2361 LEN=2554; translated
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>comp14318_c0_seq1; 681 158 2870 LEN=2870; translated
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>comp14320_c0_seq1; 377 214 1413 LEN=2257; translated
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>comp14323_c1_seq2; 981 1 3481 LEN=3656; translated
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>comp14325_c0_seq10; 411 336 1073 LEN=1073; translated
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>comp14325_c0_seq11; 440 1 1061 LEN=2148; translated
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>comp14325_c0_seq12; 306 1 1291 LEN=3692; translated
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>comp14325_c0_seq14; 188 2461 3413 LEN=3680; translated
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>comp14326_c0_seq1; 1000 360 2777 LEN=3107; translated
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>comp14326_c0_seq2; 1000 462 2879 LEN=3209; translated
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ERVYAQNMNPLGQILFNQLPTLTEQKNVAANGVEETEGDSIRNSSSAKDSIASNGKKDS
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>comp14327_c0_seq1; 798 1 1416 LEN=1433; translated
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>comp14328_c1_seq1; 544 96 1796 LEN=2108; translated
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>comp14329_c0_seq1; 661 189 1790 LEN=2097; translated
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FDEMFTTYAETDDAIFFPVTVVYNLILETHAYSKSPDGGEEAEKILDRMEDKSNAFVAPP
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GPKEAEAILFEMIERFRMGDDQVKPNSDTFRAVL MAYNGRGRKFTVASIASKVEQIMQIR
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>comp14330_c0_seq1; 767 1 2574 LEN=2574; translated
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>comp14331_c0_seq1; 723 74 2560 LEN=2657; translated
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KVLRKDIKKEKALEIMNTMFLSRLQFTVFDGFDPRGDETLVALQERLATQYLPKSNLDP
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>comp14332_c0_seq1; 673 185 1603 LEN=1730; translated
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>comp14332_c0_seq2; 398 1 963 LEN=1090; translated
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SNKGESSFPDVSSCKALSITVRSRDADTYEGYYVSFGTDRVPGGHHAMGYKTHFTVDSNN
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>comp14332_c0_seq3; 800 98 1744 LEN=1871; translated
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FQQI ELPFDSFTDKWDAGSGDAIVTCKENNEFCPDAESLKDLYSIGVWEGEGVEGIVDLQI
RSI SAYGCASDDANNSDASDDGEDESSVVAIEDFSDPKHEWRTMNDPVMGGQSESSLEL
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SCKALSITVRSRDADTYEGYYVSFGTDRVPGGHHAMGYKTHFTVDSNNEFVELTLPFSDF
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>comp14332_c0_seq4; 472 537 1955 LEN=2082; translated
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SDASDDGEDESSVVAIEDFSDPKHEWRTMNDPVMGGQSESSLELHDGMASFEGTCAIVP
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YEGYYVSFGTDRVPGGHHAMGYKTHFTVDSNNEFVELTLPFSDFSAHWDDATGKTTVTCE
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>comp14334_c0_seq1; 484 1396 2826 LEN=3184; translated
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>comp14334_c0_seq2; 484 1278 2708 LEN=3066; translated
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>comp14334_c0_seq3; 301 243 1013 LEN=1371; translated
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>comp14335_c0_seq1; 131 1 303 LEN=787; translated
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>comp14335_c0_seq2; 556 90 1039 LEN=1039; translated
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>comp14335_c0_seq3; 131 1 303 LEN=452; translated
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>comp14335_c0_seq4; 479 90 1039 LEN=1039; translated
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>comp14335_c0_seq5; 179 1 336 LEN=484; translated
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>comp14336_c0_seq2; 126 1 379 LEN=1536; translated
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>comp14336_c0_seq4; 126 1 379 LEN=1684; translated
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NEERVV

>comp14336_c0_seq6; 141 1 655 LEN=1441; translated
XPTAKMNCKEHYLPELELATGQVREALQAILYTILFIRSPGPVSPRDVECEGFDFLTYPR
IASTPSSPSSLNYDVKVDESIQNFLMKLSQIGPELLIGGLTSLFFERRKTQQLFGLVS
NEERVVWEQWHLRVVNNTPRPVSSDNAAMERQRMQDTAEGMLRSVLVQIYEIARASID
HVPPVMYEFEEKSKTVDDRENVYSRVTNMPLINLSS

>comp14337_c0_seq1; 392 130 1125 LEN=1370; translated
MGKCSGLKGGGHRKALDVAERKRKEKEDRKKEQEYAGQRSIILQEILTKLDPNCDIYLD
ANDNKTNMSIPELCRSHFRYEDCSNRRCKFSHEHSIAEALGNVVS GSNVMNDDGGCPTI
PGLRLVAGILGDRGVASRRRRDQENRSRRKRTSLPDVDDGAIYSQSHGDS PFENALLEGS
SFTNTIVTYLESDDLVLHLALSCRHFHNMVLI GDGN GEGCKDVQRRKHRAKERLLERNR
ALLQSKAVAGRLRYAVSYVETNINANSHPKVKNKRNKRNNSSSSSVGSLRPILVYDYEN
PHVFRAPRESGIKPNAESLPSTFSSNCKIVR

>comp14337_c0_seq2; 392 130 1125 LEN=1420; translated
MGKCSGLKGGGHRKALDVAERKRKEKEDRKKEQEYAGQRSIILQEILTKLDPNCDIYLD
ANDNKTNMSIPELCRSHFRYEDCSNRRCKFSHEHSIAEALGNVVS GSNVMNDDGGCPTI
PGLRLVAGILGDRGVASRRRRDQENRSRRKRTSLPDVDDGAIYSQSHGDS PFENALLEGS
SFTNTIVTYLESDDLVLHLALSCRHFHNMVLI GDGN GEGCKDVQRRKHRAKERLLERNR
ALLQSKAVAGRLRYAVSYVETNINANSHPKVKNKRNKRNNSSSSSVGSLRPILVYDYEN
PHVFRAPRESGIKPNAESLPSTFSSNCKIVR

>comp14337_c0_seq3; 423 130 1258 LEN=1485; translated
MGKCSGLKGGGHRKALDVAERKRKEKEDRKKEQEYAGQRSIILQEILTKLDPNCDIYLD
ANDNKTNMSIPELCRSHFRYEDCSNRRCKFSHEHSIAEALGNVVS GSNVMNDDGGCPTI
PGLRLVAGILGDRGVASRRRRDQENRSRRKRTSLPDVDDGAIYSQSHGDS PFENALLEGS
SFTNTIVTYLESDDLVLHLALSCRHFHNMVLI GDGN GEGCKDVQRRKHRAKERLLERNR
ALLQSKAVAGRLRYAVSYVETNINANSHPKVKNKRNKRNNSSSSSVGSLRPILVYDYEN
PHVFRAPRESGIKPNAESLPSTFSSNCKIGDKFRDYNKILKDETLEMKGEDINGKYNIQI
CTLFEIQIHHHHYHK

>comp14338_c0_seq1; 337 103 1455 LEN=1658; translated
MKRQRAASESSSKDHLRCQTGNWDYDEILRQENDGDSIRNSWLKDRSFLHVHKRDSFVGK
TVHSHPQSDLELRLSLGQQLIQVKRRLWPAAEKALACGSTPSEEFWRARAYANPMEALGEC
RHRGLNQMFINRSAIKLANIDAILDFVLTRIHSSGTLSDGFGRNAFLFADLCGAPGGFS
EYIMKRIRANGIGCTCRGYGMSLVGNNEHGKGATWRLEDFSQDDNIVSINYKIHYGNDGT
GDIYKVENVKAFKRDIGVDLHAAGISQQRMNLVVADGGFDAQRDSECQEGLAQKIVLCEF
ATALELLDVGGSLIVKLFQGFQTD SIRMAMRSLSDDFNSLEITKPISSRPASSERYVIFS
GFKGLPESWEGGESWISNVLIGRCLRQDISFYSNVTDALLDRFDRDMLMLNLKACFAILS
RLERKTSAVEMNRRYENGRKDVNIKMYKHTW

>comp14339_c0_seq1; 575 336 1553 LEN=1903; translated
MPSDYPLSDSKATRLIAARETLADSTVSLDDDFEVDDDILGIVKDDALQNNKL VYPGDDG
YWDELEQVDMQIARLEGGKPPSDYQTPWELWQGWDLTRISAEVRGEYPGFHQQILLGALF
SQGIKPHGPGSPFRSKRDFVGLQVRMAEINTWAFHAVAPINFGLKWSVGMPRPEEMAYL
IARNAVKDENNKDFKRIARKIKKIEDMKEKDLADTDDTFRYKATDFTAYTDGKNKGSPTH
PSWPAMHSAGSTISTWLPAIVELTGEQYCEALRTDFAVSYGRTVAGVHYQQDNLAGLNIG
MKIIQLKLPKYLEEKFGYDASVIERRLNALSFDWNTFDSKACTINGKDAAEHLKNAMVPE
MPPGYKNSEKTKSNVKNKNGKIIRNSIKSIGSHLRTVTSVGVVE

>comp14339_c0_seq2; 634 458 1864 LEN=2214; translated
MVP CGCSTMVETQTCEAPERVPDRSISEIRFNKLPPTDDLKDFVGD SKDYENG VHKKI
FPLMPDYPLSDSKATRLIAARETLADSTVSLDDDFEVDDDILGIVKDDALQNNKL VYPG
DDGYWDELEQVDMQIARLEGGKPPSDYQTPWELWQGWDLTRISAEVRGEYPGFHQQILLG
ALFSQGIKPHGPGSPFRSKRDFVGLQVRMAEINTWAFHAVAPINFGLKWSVGMPRPEEM
AYLIARNAVKDENNKDFKRIARKIKKIEDMKEKDLADTDDTFRYKATDFTAYTDGKNKGS
PTHPSWPAMHSAGSTISTWLPAIVELTGEQYCEALRTDFAVSYGRTVAGVHYQQDNLAGL
NIGMKIIQLKLPKYLEEKFGYDASVIERRLNALSFDWNTFDSKACTINGKDAAEHLKNAM
VPEMPPGYKNSEKTKSNVKNKNGKIIRNSIKSIGSHLRTVTSVGVVE

>comp14340_c0_seq1; 538 1 2000 LEN=2212; translated
XEKRAITLRSNCVLLFVDILRLILLVIERTDQSLELRIDLVEEGESLESSFRSCIFSAA
PVTKRTNAAETNNESCDLSRGSQRVTSFFVDSSGRSSFTLPLQMTFANKNDLEELLARK

CFDPPPRNLASSNPVAGNSSDKDDDGIKRDQPIDSNKNSKVEASIAFEVKSFPIDEDDPT
NVVVEGVSILSCSVANLVATFKVEITVRATPVEPSHTPDRSTADSRLPVSPSFSSSSPRPT
NNMDTTEPELGLKEQEQQQSVSTRLEITPVLAIENSPTSDDKENDKSKSDLGTDLMLEL
AAIPDQMHNKSNENGRPSILSSTNDRVHETRLSPVLTDTVLTSAFVIVSVNNLSGNSRSTG
NNFVLLAIRHSKTHNLPVTITNIAFHGHSRHTIVAQKSKKNSKDKISPSVIQQTVSNM
TASVEWGYMPKTELKPLTILPHEAYSSILFINAGEERISRQFVSPLSVTGVINMNTCVE
GDYLGKDINDYIDNGVQEECTVVVAGDAHWTTRLIAVEPADAFRDMCTLESTVRRGEP
VVKLRIFNLSLEPRNMLFMMAKKDPDGVKEVSVNSAIVTESDGYRFGVWGISGDDDGTVR
LNRDHDLLAVDTALILGDLQGGHVAEDAELRFVPLHLGRLKIPNWRLYDKIANRWYTCKHD
LTVVAI

>comp14340_c0_seq2; 207 159 902 LEN=1114; translated
MTASVEWGYMPKTELKPLTILPHEAYSSILFINAGEERISRQFVSPLSVTGVINMNTCV
EGDYLGKDINDYIDNGVQEECTVVVAGDAHWTTRLIAVEPADAFRDMCTLESTVRRGEP
MVVKLRIFNLSLEPRNMLFMMAKKDPDGVKEVSVNSAIVTESDGYRFGVWGISGDDDGTV
RLNRDHDLLAVDTALILGDLQGGHVAEDAELRFVPLHLGRLKIPNWRLYDKIANRWYTCKH
DLTVVAI

>comp14341_c0_seq1; 787 1 1976 LEN=2122; translated
PTESGPKSIAKGTAPRAPRLATKKSRRSTKVNNKTVARMPFRFRPFATKRMFLSLSSA
FIVFSAILIETATSLALPKAPAPTNPTKFVVLGGTGKIGTAVAAHLSHRLSSSSPAPSDC
EIVLVGRRLLSSAEDDITYFRAALQEIEELLALSSDHKKTFPDSQRPKISYRCVPDVWQAG
ALDEILLGGGQTPDSSSDNSGPVSCVIHVAGPYADRSPVLDACIDFKIPVYVDVSDPV
DFLEASLERNDRAIASGTTALLAAGAFPGMSNVLAMEAAEAALSTDHDESSASSVVKDVR
FNYFTKGLGGSGTINLYITNLGFGDPMVMHEKXKAEPVRGLVRTPTGEGRLFIDDDNTRT
TIDAPWRKDNARAKARVGSQKVFAPPFPEAATVASELSISGSSSSAMGTAPEIWNMMLGL
LVLDLVPNRWRSDFRSKFLADFSEPLVLATDLAMRKLSPASEETGKGDCEGTHAMRVV
TERSDNGASAQAMTSIVQCHDSFRRCVQSCAEFALDAVLEHERGTAVQTGVFLPEQRYR
GSADRARIVERLTATPGTFCYTGPEIRPTDAGAAEAGPENAPADRILLKNTPTPGLICN
GAPIEVRLERIEEDDDSDSDGTTSRQKSETQRRPKQLPVYPNDVREVVQAMENQLR

>comp14342_c0_seq1; 707 247 1866 LEN=2357; translated
MTLPTLSIVAVLAVAVAVYQFLKSWAETAYDFYKNDPPSQCDIDSFVSTSEYNSNPPN
KLKVSMLMKIQCRGLKGRARTTPVELVCTKSPHVEGLYVSRQAESEGGEPAKEPTVPIG
DVLATKQPGHEDKPPVVVVVTIRMFGFHRIAYSACSWAMERGHHTTIFHDFLNIESAESDL
IKTVQDFYSKGSRLASELGSHEKVVWQQLMKGGDADALRAAALTGAQLMPLKTFPKDTP
IVCTHQICALVAAAAGFTNVVNLVVDNYPQWFLVVPKTLNITQGPVNYQSYLRMGVPASE
LRLAGHWCPADLVKNIGTDCNRRIRAKDSGNKPRLLIPVGGAGAQSFIINFIEAVEP
WIRRGKLQFLNAGDHKHMKTAFVEVLDKVGLEYDVTVTKTKGVYDFQSRLLEPGAEPDKA
VTLFAFDDYFPAVATDILLCRVADILTCKPSELAFYIPKLIHRRVGDHEAYSAIRAAEV
NDGSLEAREISDALRYLELLCDSTCDLLPSWNQAVIDNQTCLGMYDGCKNAVKWACGEQ

>comp14342_c0_seq2; 139 565 1067 LEN=1420; minus strand; translated
MTAXVPARQQITGAVAQEFKVPPEGVADFAGLETVPVVDLRGTNGGIGLVVPDSANVQLGDG
IKGELAGLAGQDIGNAAEQIGGGDGWEIIVKSKEGNLGVFGTGFQKQSGLEIVDALGLGY
GVVFEEDLVQDFYKCCFHVFVIAGVQEQLKFSATDPGFYRFDEVVDE

>comp14343_c0_seq1; 416 1 1298 LEN=1543; translated
XQFQRIGTPKSMIISKLILLPPTKYKDRLLISNHYICINSSHTTERMNEIGIKRRPMATA
FPRSNSNVLSIVALFAVLVSFSIIYPHSHYIIPRHSLSCKINEAAIDTAYTVRRIHHSK
STVRIDPSTRHLHSYQPQSPEDGKEANTGSKANGTTADSNTKDDREPTLYEILGASRTAT
RSELKQQYVKLARVSHPDQAIGGTGSTENDVDFQKVAEAWRTLGNKFRKRYDRELKAKE
WGEKAQRFTEGLEQVAPVASKIMDNVAVPFLRRTSATIAFGKNIASNLSISQTEFDLP
TPTTPPQQPSATIETEENDAMANEQEVKQAIANTNSGIDVDKTDKRLTKLNVNQDITEDV
VNGNQEITEDVVKNSVSEQKNDVDTITQDVDNAEFDVDSFIATTIEAGKRAGKSPIDTSN
DLNDKSLELEYR

>comp14343_c0_seq2; 448 1 1423 LEN=1423; translated
XQFQRIGTPKSMIISKLILLPPTKYKDRLLISNHYICINSSHTTERMNEIGIKRRPMATA
FPRSNSNVLSIVALFAVLVSFSIIYPHSHYIIPRHSLSCKINEAAIDTAYTVRRIHHSK
STVRIDPSTRHLHSYQPQSPEDGKEANTGSKANGTTADSNTKDDREPTLYEILGASRTAT
RSELKQQYVKLARVSHPDQAIGGTGSTENDVDFQKVAEAWRTLGNKFRKRYDRELKAKE
WGEKAQRFTEGLEQVAPVASKIMDNVAVPFLRRTSATIAFGKNIASNLSISQTEFDLP
TPTTPPQQPSATIETEENDAMANEQEVKQAIANTNSGIDVDKTDKRLTKLNVNQDITEDV
VNGNQEITEDVVKNSVSEQKNDVDTITQDVDNAEFDVDSFIATTIEAGKRAGKSPIDTSN
DLNDKSLELEYRAKEEEEKAKYIFEELDSVKKQRIFGTLQSSSELTLSKEAEEVX

>comp14343_c0_seq3; 165 1 586 LEN=697; translated
XEELSSSEDAVSFVSRDMKKAIEKEIQSLRNTENQFTENLETYNKIDREWSVWLTKQEEA
KKNLSEKRKEEIEARKAFDNAQQMVVKAKDDMVSASNTLRGVEQEVKSAEEMDRVSTTL
SKKQERVRNALRRKTELMKGGIHVEYITEQEVMSLRKKEIQLMGESQIATMVARLQSR
DKLKKRSELLEQSKK

>comp14344_c0_seq1; 519 450 1919 LEN=2136; translated
MNDDLAEFTSIAGGGYDRPVVQWYPGHIAKAERQLSETLKAVDVVVEVRDARACKATAHP
RVGEWCAGRPRIVVLTHLDMVPKAASGSWKKAYETLGAERWDDAPINRQVANQAKQARDL
RSKFLDNDAGKGTGKKKKKKQKLSNENI IETKNDGNENNITPVEQVLFVNAKQGGIHAL
HRSIFKAGAHVQERRERRGLNPRALRVGIIGYPNVGKSALINKILGRKRAKTENKPGVTR
SLQWIRVRTEDSRKAYASGKTSASPTSSTHSNAMKREFELLDSPGIIPAKMVDQSDALIL
AACNCIGEAAYDNQAVAAYLCEWLKAIHIMGMQGRAAPDWQKKCKERYGFDPLKKVKRDE
FDVIQEEYMTGEDMLFKVADDLCRGDAEDASRKILQDFRTGRMGPIISLQLAPESEEDDGQ
LSVPVGDGTILGRQSNRDFDEEFKQQQEERARIAVETAKERGLELPPIVDENDNAAAN
VGKGMFDGW

>comp14345_c0_seq1; 212 182 1414 LEN=1519; translated
MRVALHLLALLAASRAPATAREILYEGDEDRSHIVSPLPHTYLDESLLPKRFDWGRVADA
SDGDADRGDAPADAPLADPPRFPRTRSMLTRVLNQHVPPQYCGSCWAHSSLSALADRIKI
DRGGAGTEINLSVQFLLSCGASAGSCHGGSAIRAYAF LAGEKRGT AHPVPYDTCSPYLAC
SSDSEHGFCPHADTSCGASARCKTCANPSHEPGGGACDPIGSYPNATVAEYGSYSLDDGI
VPIMAEILMRGPVKASVNAGPLLAYEGGILVDSPANRNTTHNHGVSIVGWGYDDFAELPY
WIVRNSWGEYWGELGFFRVELGKNLLGIEAHVCWATPGSYTETNLPCLKDGSNCRPGGGL
PQQQRQARGWVSRRYEDPSNRPAYVRRRLFQAGVGGTVGPAEDASDTAR

>comp14346_c0_seq1; 734 206 3025 LEN=3208; translated
MRWRSHAGNRKRVRYDRSIGLVGFCCILRICLWHWGNILVECFSLAVGRRGPPKSLDTK
LLFKTTSAPTYPYFGDFITEELAPYFGDDMLKKESSDDEDFPIFEEANPKRSDQRNRE
EYTDIDHGRKFNPFAPFPDAKKYNDGSPAQPEDGILDDEILSAEQTLALKLITEGRNV
FVTGVAGTGKSLVLRKTLEYVQEVYEPNEYVAMAPTGSTAIALEGQTVHSFAGIGIPKIY
KDFKRMKTNKNIRKWEELQVLILDEVSMISGEFFDSLSKVVS DIRNDPRPFGGIQLIVC
GDFLQLPPI SPRQWEVDQTVKALQEREGLETPEEARDWFLFNRGFCFQSVAWKEANFELV
ELNHVFRQRNEDFVRALQDIRVGNVTPETIRYLRENCERPLPENDLGIQPTILHSKNIDV
ARENLVDLNKLSGD TVSYEASDAVEPEKGVGPWVKKDLNNSFFRSCLAERKLQKIGAQ
VMLIRNLSQNSGLVNGSRGTIVGFREVKSSSSSTGLNLLPGVTKYPPVVQFKNGLQQVITP
QKFQSRILGKGKCI RTAIP LKLAWAITAHKAQGLTMDYVIADVGVFAEAQLYVALSRAS
DATGLEIRNF SRNRVRANALALRFHGDPEQKYPFWWDSDGSRP MILMES PSESLPEKSKK
ERPSETAGFGMKAQVRGVKKTGSNAPRKTPERAEFI PRSHRTGV DKT VRSATSSKTPEI
PSLVPTPQSQVVDKIRSSNLRKEPKKTSESLGMKR ISSQTEMPIRSKPIESCEAQDTS
EQLHEPTLKS RKVVELKQMLRERGLKVSGRKAELIERLVKANGIGETHGHAEKRRVFEL
QCMLRAQGLK VVGTKAELIERLVTSKCI EDTNSGSNMNGKMASYWGSSRKTNTQPSEPLH
EHALAGRKFV FELKGM LRELDLKV TGRKSELIDRLIAENQ

>comp14347_c0_seq1; 525 85 1950 LEN=2184; translated
MNALTLSSVLFSSSLLLVANALVASGRPTISKNALLTQHAGFGGGIVSNFWTRIPRGG
VRNRKQKLLHEGTPLIFTAVAATDV DENYKPNVFPKEDDENTFLGEILKANFLFDDFTTY
KNAENDDMSEVIASFEKCTYDEGYLLCEQGDTE TDYMYVIAEGSCKISIDGKKLPKPYG
TMGSGSLIGDLAMLHGTPRAATV RTMTPVTLFRLHRNDFYHFLEKFSGKVKDKNTKSLAV
SRKEEMQKQVKEIDHII DQISGVKSKFQGDII RQFQPNRRWLWTRWRGTIMQHAWKSALG
NMALSIFFMVAIRFASDQSLTWP IGAIPDPEHPLIVRLKGLHKLWGYTMSITTMILSFYL
NKAYGLWRDIYVKGRIIQGR LNDISMV LACAAERDPR TGRFTDRASSMLEDVAMSCRLSH
AFSWAGFIKRFSVLLTPPGLSRMLSRGVMTRS QYDTLVHIRPSECAPQHVTLMWIMSRIF
QGMRDGVIPDDNATKSVLMNKICDIRGTLGGLGDSLDAK IPLAYAHLVQVMVDVFLTMAP
FALYSELGIVSVFVAVGLNIFYSGMNDLSKILLDPLDNC DGSFYQDSSMNMDVGVLIRES
NDGSNRWKAGLQELPF EYGSK

>comp14347_c0_seq2; 434 85 969 LEN=1347; translated
MNALTLSSVLFSSSLLLVANALVASGRPTISKNALLTQHAGFGGGIVSNFWTRIPRGG
VRNRKQKLLHEGTPLIFTAVAATDV DENYKPNVFPKEDDENTFLGEILKANFLFDDFTTY
KNAENDDMSEVIASFEKCTYDEGYLLCEQGDTE TDYMYVIAEGSCKISIDGKKLPKPYG
TMGSGSLIGDLAMLHGTPRAATV RTMTPVTLFRLHRNDFYHFLEKFSGKVKDKNTKSLAV
SRKEEMQKQVKEIDHII DQISGVKSKFQGDII RQFQPNRRWLWTRWRGTIMQHAW

>comp14348_c0_seq1; 846 263 2101 LEN=2258; translated
MKQNQNMFVNFVVLVADVPTSSSFVEHFRNCRIRGSGFPKFRFDRHKSTILMTQRGA

YDQRDQNEGNGDEIYQERTNGRYSNGNDANALGQNNTNSRFNQEADVRTGSFSNVRQAES
DGNQKPFIPRRLSQSPDRAISIVSELKSNAALFAAFAYGSLNLPGLTLTVSESKVTSVTT
LSVSRPLPDSLIRTFVVLDI STLCLMISCVAAASQLLIYRLTDGSYEDVDFSLQDDGRD
VESASYRKKKNSRESALGRLVTTYRNEFTVARITFDLGLVTL LLA VGVRSLAIFDEDIVV
PVAFVLGLTSIFLAVAYLTTYVEVFRTAENLPERPLFSIAFPFLT KGSEKRTDEIKIDAV
DKSLSQMI PQIVLPVSLTSIGLGLFLGLNDGSGSSESNLSRLGPYDVTSGATKLRVVTEK
IDSEKAKLDAKAKNQRIEEQEQLRKKRAERRAADTRKKEKAKRASVRAEAEAAKKKTAE
DATKKAEEAKKKLEQEAKQKADEEAKRKAQEAKQKVEEAKRKAQEAKQKAEEAKR
KAEDEAKLKAEEEEAKTKAMEEAKSRAEEEMKRRTEEEAKKKAMEGANAAEEAKMKTDEA
PPSVSATAKTTL

>comp14349_c0_seq1; 494 206 2140 LEN=2505; translated
MGEWSVERIDRVPTDWIKNVEKRNLFGAEKKENANPIEERNYLYPPTVPENEYKFCLDVA
LNQNKSTIEQLDVLFSNSPIIVREPDTNMIIFTISDYSYIQDMLHEVFQMMDET VGFSP
KHFFLVAIDQVSVELACRYGYPVVWKADEGNLKD AVANTKVTL SHELVKRGYDYLFTEM
DVWWIRSPKPHLVDFQNKHKEKQK DAPHIYFSGHQNNPTAPNIGVYAVKADKYSEEYFRV
CLDALKAKPETHDQVWLAEVFRLFHHIYEGRPYKFGGRFQPDGPPETPEIENPFKAM LFS
PHEVVADERPMPGQKTLAIHTLNSLPLQMPHGKMMVAKELGVFYGFRSHPRSDSYGYMPN
TTNNDTVAAGYYDREGKYRRFMWLDTDVRSNFYSIVENKRYHDHFTMEWTMAILIAIAR
KTDIRILVLPQIFNSDMAGTYFAWSIMDYSKVSGMVDFRETNFLSNPKAWRKDRGSDWP
FESVFNTGLFLANDPPNSVMIFTQFSNRSSTVSIKAWRATLHEWDWLD AWVGSVLA APEA
ESAEVLLVNPDLVMDTGKMSIVNRLKAYKKFEEEQEILDADDANDQNNKGRKQHPPPLL
GHMEWEILKIYDLLGWCWDRGMQHTVSKVSGSDSCY GIGNPRNY

>comp14350_c0_seq1; 1112 177 2963 LEN=3511; translated
MDNPDSSSTSMGNPQQSANEEKQEEAIPPKTSKETADESGEQTSPEEGSAAGAPNAAKSTDD
ADDVKTNVDENAGSKSEGPGEGETENSPEETISGPVPEEKDGAPESSEDPDVPASKDGEAA
ASSTESGTPNKQTVTHAKSGSDPPAAETAPETEAKNEKTE TELSQPTVKEEGKEGGEESA
AMEVEESTEAKEPEAQPAPE SPKLKAENS AKSNDNNSNTNYSNTTTTYSTRGRSTEAEE
EKQDR IHERDSFEESPRPKDPSAAF SFLVEGTEEERRTRTRFIPEVDGMHMLRKHVEKSD
LALARSLPSIVSPSGV FQSR TGRLAASAGRSNDSDMDVDGEMNLAVNDENTTTIELPSSN
LTIPSDV FVAPKGVVVGESGSSIAVKEFEPRVPSVSVESVTKFNP RPPPE SVGGKKKHR
MIRWERRPEDI EVD MKNYRKTVQRTRQELQKSEGEYERLEMVDAHLRRHFLNQSDLLDEE
YEKLNDEM DREVEKLIKESELIGSRTRSRNLTKVDVVMRDVLTMLTRNEQKDVMPGEAAS
VDSFSSGRFAGFGGLNAAAFNDWRSTK LKSMKLSSSWLEPGQKVK TLYGEGTVIEVIPP
VCPPSNDKAVIPIHGSKKSVLSEEKLNRIKAKKKYDSVLP LRVKIQLDYGIGVFSASSIL
DIESPGHFTDAKLAKRWKGMIDSALKVGHCIDVEGMLLNEDTKSDAPDGVSSDEF LPGA
TLIPTKGGRGNF LQNM DILDIEEPLKTALYDGHGVMGRKSNPGVTKDIRKWEEEEQEYLN
LRASILQLKNTLTRQRRIRILNEKTANSMDRYVRAEELVSEMRSDLKSLKRRLRDELSE
LGITDTIAKQIMFQFYQGHHEEDHGDASTPKRLRRASSMIGEMLPDIDMGNSSGEGDTRD
SMDEQGTDDL SGGDLETHRPTKKIRSGE

>comp14351_c0_seq1; 970 80 2200 LEN=2423; translated
MAKALSPLSLSLLAVVAAAF LGDAVHAIEYFAPDWIIPQNI GQAYPPMTVSAGDTLTF AW
SQGTHDVWIYPSGSCDP SGGIQIGGTQDNPTTYSFSEADAGQVLN FVCAVGS HCALGMQM
AVTVLAAEDVVEDDAVEDDAFYAVEDVVEDVVEENEVADATDP PGEEDDAEPEITAGMF
GVCNVCGDPEAQITNPGFV VSLPNPNPNAPTDFVTC AELYQDGLDGIIPDD SCTFISQFA
NIPCGCTPTDFTCNICGSDENLAVFSPDTEITLPSNPTDGI VVTTTCGEFFESGQSGELSP
AQCQAAPSF AFIQCECAPANFTCGVCADGFKNVSPDEEILTPTGEIGTCGGLEAQGLAGE
LGPNACLA IQDFTIATNACNCVPEEGY EPCYICGDNTTQPLTPEVNL TFTQFQVDS CGAL
YEDGLNSNL SPLQCGAIQAQAGACNCAPVDFTCNVCGGNGTDVFM RAPDVNFTVPGIGLL
VNCGELDMAGIDG SITPNDCAAISP AVQANCCTPV DYT CNICGDDSGMSVTDGATFVP
QNPDITCASAEAAAGLAGELDPNTCTFYQILAEQSCGCLVGGTVAPT TAGPTPSASTV PQE
ATTVDPMVEATTVPVAVVSPVAAMDDGDSSVNTTVPAPVAAPVAAPVAAPVAAPVAAPVA
VPVESFTPGSVDGVTGASQVASDAAVL GAGAAIHALLVATVVALVA

>comp14351_c0_seq2; 963 80 2188 LEN=2411; translated
MAKALSPLSLSLLAVVAAAF LGDAVHAIEYFAPDWIIPQNI GQAYPPMTVSAGDTLTF AW
SQGTHDVWIYPSGSCDP SGGIQIGGTQDNPTTYSFSEADAGQVLN FVCAVGS HCALGMQM
AVTVLAAEDVVEDDAVEDDAFYAVEDVVEDVVEENEVADATDP PGEEDDAEPEITAGMF
GVCNVCGDPEAQITNPGFV VSLPNPNPNAPTDFVTC AELYQDGLDGIIPDD SCTFISQFA
NIPCGCTPTDFTCNICGSDENLAVFSPDTEITLPSNPTDGI VVTTTCGEFFESGQSGELSP
AQCQAAPSF AFIQCECAPANFTCGVCADGFKNVSPDEEILTPTGEIGTCGGLEAQGLAGE
LGPNACLA IQDFTIATNACNCVPEEGY EPCYICGDNTTQPLTPEVNL TFTQFQVDS CGAL

YEDGLNSNLSPLQCGAIQAQAGACNCAPVDFTCNVCGNGTDFVFMRAPDVNFTVPGIGLL
VNCGELDMAGIDGSITPNDCAAISPAVQANCGCTPVDYTCNICGDDSGMSVTDGTATFVP
QNPDITCASAEAAAGLAGELDPNTCTFYQILAEQSCGLVGGTVAPT TAGPTPSASTVPQE
ATTVPDMVEATTVPVVPVAAMDDGDSSVDTTLAPVAAPVAAPVAAPVAVPADDPVAVPVE
SFTPGSVDGVTGASQVASDAAVLGAGAAIHALLVATVVALVA

>comp14352_c0_seq1; 454 118 2107 LEN=2361; translated
MNKSDFPGERHSSYPFNEDEILNRFKVISHDIGDKVISLSEVLLTCDSWSDPNHNKKL
EEAINDPRKKHLVFYDMWHDVVEGILSLFSEHRSRCWSSIEFRGCQERHINAVLECALQ
IDIVQTIASFSLTNDRFNPSKICDDSTFHIISRSMNGNERLECLIFHSRPLHFIQYEALKN
LKVKRLHFLDGCICLHPNEITELAAGIKANHSLVSFSFLGGTRVSNNGNDISSIVNALKAH
SLKRLVLCCLKSASENGVRGLSDLLKCQNSVLESLLTGGFTLSSFFAKGTFSSNGLAMSKL
KHYLREIFLFPEDVEDMAVGLRKNRSIESLSMKLEASGIRVNLAPIAFALEGNYHIQRL
ALSGKCSLGGQICGISKLLSSDRCKVKDLHLSGAFLDKPSRIPNFLEIFLNGLKGNQRLE
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SQKFSFFEINDRVCRRLVKLLTTNPRLDGVNFMNMPVEWHHSYQDNGNMKWHRKCNNQSL
TTLYESEKQCQTMISQTRVLISFYRFPLLKFLSNYERYNILRIRSLRFFDFFPYSYITYA
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RVW

>comp14352_c0_seq2; 464 118 1932 LEN=2186; translated
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IDIVQTIASFSLTNDRFNPSKICDDSTFHIISRSMNGNERLECLIFHSRPLHFIQYEALKN
LKVKRLHFLDGCICLHPNEITELAAGIKANHSLVSFSFLGGTRVSNNGNDISSIVNALKAH
SLKRLVLCCLKSASENGVRGLSDLLKCQNSVLESLLTGGFTLSSFFAKGTFSSNGLAMSKL
KHYLREIFLFPEDVEDMAVGLRKNRSIESLSMKLEASGIRVNLAPIAFALEGNYHIQRL
ALSGKCSLGGQICGISKLLSSDRCKVKDLHLSGAFLDKPSRIPNFLEIFLNGLKGNQRLE
SLDLSVNDLSDQEVATIYNEIPTCRSLTNLDLGMNDITAQVVGLFAKVKTPSQCVCVLRIS
SQKFSFFEINDRVCRRLVKLLTTNPRLDGVNFMNMPVEWHHSYQDNGNMKWHHFFPSYIT
YALHFNNKRVNYIKTKELSRAGRLDLERIQYLLDYNWTGRSLVSHGYADKKVPISLWPKV
LERVW

>comp14353_c0_seq1; 1244 107 2899 LEN=3382; translated
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TPEYNETRKGLYLSIDGGKQVHTPEELTAMLLHYAEFFTHHYGKEKGHVYGDITDCVLT
PSFATQAERQALLDSAKLGGFKVLGLIDENTASALNFMDKTFDEPKIYLFYNLGASSLQ
VSVVKFHHYEVPEESKYSKMKKVKGSIEVLGKGWDATLGGLAYDNRLVEYMADSFNHKWRH
ARGHEKDIRDVPAMTKIRLQANKVKHVL SANQEIP IHMDSLYDDMTLSMHITRSQFEEM
CEDLAKRATEPINNALASANVTLEEIDEIEMLGGMVRPKVQSSLTSLGGKEIGMHINS
DESMALGAIFYGANI STAFVRVQVGLVDINFPPIGISLENLESDDDSEEAWGKKATIFKT
NGKVGKKTIAFTHDKDILCSLDYAEPENIPDGAKTELEKYISGVSDFAKEMEKEKGLGK
PKISLQFELSSSGVTSLRKAEAAVEEKYTVVEVEVEIEDEEQTSEASETNSTDDDKKSEET
NSQDESAEKAPDGKESGEGSEADETSEEEKPKKTKIVEQEKKRVHRKSLDVESYQVGK
IQSLSEDLIQEYKDNIATLAELDKQRVLLEEAKNKLESYFYVKNKLVDEEDNIGKISTE
EQREELLKLSMDAEWLFDEGDSADLATIOQSKYDELAPAEKVVFRKEMTERPAAVKAL
NEKLVEIEEKFTKVVNTLNTHITEDEKSDVFGKIEGARKWLSDMVDAQSEKAGHEDPVFSS
EEVPLQTKSIQKLI AKLTKKPKPKPKPKVEKKGTEMNSTEKETSDETDSESVADTEGTEE
KENAADSSDKD TDAKSDGTGKDGEDSDEL

>comp14353_c0_seq2; 358 168 1007 LEN=1490; translated
DVESYQVGKIQSLSEDLIQEYKDNIATLAELDKQRVLLEEAKNKLESYFYVKNKLVDE
DNIGKISTEEQREELLKLSMDAEWLFDEGDSADLATIOQSKYDELAPAEKVVFRKEMT
ERPAAVKALNEKLVEIEEKFTKVVNTLNTHITEDEKSDVFGKIEGARKWLSDMVDAQSEK
GHEDPVFSS EEVPLQTKSIQKLI AKLTKKPKPKPKPKVEKKGTEMNSTEKETSDETDSESV
DADTEGTEEKENAADSSDKD TDAKSDGTGKDGEDSDEL

>comp14354_c0_seq1; 735 161 1532 LEN=1658; translated
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ATGEQGETNGGDSAPADAAPPAPLPPRGAGSGNKPPLPAERTVPATPNFLSTVSGAPDG
VGSTPTALPGTPVTPFGELTNEDEKFEIVRQRNRSRKEKEDYHIANIKVQMGRLEDALA
AETKRRVDATTALDELGRSQVHKMEERIKAQLRDENEQLQSRLGDLEERVRRLEESWTTE
ANHQIEVVNSKASDLNKAISRQVEDQDMERRARLKREGILLRQVEDHAKQTEDTWKTERK

ERIERLKELETSILRNEARLALAEQKRYEDRIENELTLLKEELEVIEEERQNQDEQIVSAL
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>comp14355_c0_seq1; 373 92 1227 LEN=1393; translated
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RRSSGGCRCLVLTFSFSDRVFSAGADLKERATMTQDEAAEYVTLRDRTERFACLPMPVIA
AIEGVAVGGGLELALAAADIRVASSKAVLGFPEPETS LAIIPGAGGTQRLPRLVGASRAKELV
WTGRRLSGREAGECGLVTDVVPEGGSATERALELAFIAAAHGPVAVRASKAAIDEGGRSA
SMAEALDVXAPVLRQGPADGGPPGGPGGLSGGTGAELQGAVNRRPRTDSGGHAPADHQPP
VRKDGRRGGSSRRDRGGSP
>comp14356_c0_seq1; 358 1 1334 LEN=2818; translated
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TIELWCRVESWRIAAYAVFMVFLFAYLVSTLVVAGVLEKGDGPGCANNATADTNSTGCGPF
NRNGGRFNLTGYKGFDFATENHLFENFGYSNICVYWDYSPAREYTAVLFPFFFEVAMITYL
TLDFFNKLSFQAGRVSARYWRFCKIQYPVTVFLCLVFRLLIFVIRAYEDVKGHTFGLFCF
QVGLLLIAASNTAYVETKQKYAGVGLGLDRPENVALVGKVYLSLLFLVSSVKKLVGTAHI
VKTGEAIFFYTWSTSGDPGTGILVGLKIDKWLFLNLVPLVVAIVRASHEEPLRIEISL
PATPAVYSSVPEHDPDRDYHRTLA
>comp14356_c0_seq3; 307 1345 3025 LEN=3025; minus strand; translated
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PCIEKNRLARLHDVGGAYELDGRDQKEKRQVDLADEGHVFGPVEETETNPGIFLFCLDNVR
RVRSRNQEESHLETEESKGVSLYVFGSDHKNQALVVGWIEKQHASRGKKTRASKKQHGI
AIGCECERPWHRTPNGMATRDFRAKKQSDQQTHTHTLRFLLTKDEAKEYNGIILDLAKP
PVPGAYPARLEGELGVEKVQREVGDRNLEERKQDRRIFTSGRVVPHADIGIPEILEEM
VFGGKIESFSVGEIEATPVPVERPAPSRVGVGRGVVAARIPLFEDPRRHQGAHQVGKEDE
HHEHGVRDPPRLDSAPQLDGGALVLHGNTNTRVVVPSARGGWFVAVFWSGPFVWPANPR
SRSRPQRQANGQGRGGHLDIHGGKGIAGDFMEARHWKRKRIFFGVVRIPYRHC FVMTEC
VSRNFLRPSRVVNSIFNVCNX
>comp14357_c0_seq2; 289 1 1312 LEN=2865; translated
LRLRFSEAASSKSPSASNKNPPQHCHHTAPFHRYDVPASETCTKTKFVLGCVCLPAGGDGG
FRLVRGKRPGVAHRDSLNRHRRSSTVAHPHASASAGVETRGGACSRYLDPSSDDAKERES
PSPSPASQRHLQKPNQSVMPETNDNGDDRGNKANRRRDDPELDQPPQPRKWNRLGLRGLG
FSPASAAAAAAEPPDDGFLDDVDGIGXPDPGKRPAGEKTAGPAAALEPPVQRAPP
PALLRVASLGAVALVAVALVLAARAVALSLGGVLGAGPSGKPRGPLEALSRRGGSTLLLMA
GGRRVRAASGLAASFGIGTGP SLGTLAKCSAIAWYGWWSRVLDRSSDSLPPARGADET
AGAGTTAAGVPPTDADSPPPDAASKDTRALHSPTTERKDQGRARTDDDDDDREVNRSF
FPPPLETTGRSDMMSF
>comp14358_c0_seq1; 202 1 225 LEN=282; translated
IKDASEGKMGILGYTDEDIVSSDFISDRSSIVDAKAGIALTDDFVKLVSWYDNECGYS
TRVLDLIEHMEASK
>comp14358_c0_seq2; 725 81 1094 LEN=1440; translated
MAPITVGINGFGRIGRLVMRAAQNNPNVKVAVNDPFI PVEYMEYMYKYDSTHGKAEGEI
THDAAANTV SIDGSP IKVFGEMDPSKIAWGDAGVDYVVESTGAFTSTEAASAHMAGGAKK
VVISAPSGDAPMFVMGVNQEKEYESSMDVVSNASCTTNCLAPLAKVINDEFGLKEGLMTTV
HAVTATQQTVTDGPKSKDWRGGRAACYNIIPSSSTGAAKAVGKVIPELNGKLTGMSFRVPTV
NVSVDLTARLDK GASYETVCAA IKDASEGKMGILGYQD TDIVSSDFMSSPYSSIFDQK
AGIALTDDFVKVSWYDNECGYSNRVLDLIKHM DVTK
>comp14358_c0_seq3; 1002 92 1933 LEN=2279; translated
MQSSKTFLLSSASKAAARAYHSSSTKVEARKFFVGGNWKCNGTVSQTKELVSMLNQSTLST
TEVVVCP SQVHIQGVKENLRGDVSVGAQDVWTKGNGAFTGETSAEMLSDMGVEWTLVGH
ERREKGESNEEVAAKAYALDKGIKVLACCGEPLENREAGTTNDFVFPQIKAYADVFTKE
DWENVVIAYEPIWAIGTGLTATPEQAQDTHAEIRQYLAEIAGADVAAACRILYGGSANAA
TAPGLSAKEDIDGFLVGGASLKPEFADIVNCQSENKLPVNIINGFGRIGRLVMRAAQ
DDPMNIVGINDPFI GTEYMEYMFKHDTAHTYSGSVNRIDDNHIEIDGKTIRVFEEMDP
SKIAWGDAGVDYVVESTGAFTSTEAASAHMAGGAKKVVISAPSGDAPMFVMGVNQEKEYES
SMDVVSNASCTTNCLAPLAKVINDEFGLKEGLMTTVHAVTATQQTVTDGPKSKDWRGGRAA
CYNIIPSSSTGAAKAVGKVIPELNGKLTGMSFRVPTVNVSVVDLTARLDK GASYETVCAA
IKDASEGKMGILGYQD TDIVSSDFMSSPYSSIFDQKAGIALTDDFVKVSWYDNECGYSN

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>comp14359_c0_seq1; 214 1 1192 LEN=1272; translated
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IELEKCTQRRHFDLKLPLGLRMISACATHIYLYRYRFSYGDESTPLHKAAGGRYLAVH
MILEALRDRDAESPVETSQGPHASRATTWLQNGLSARDKNGRTPLDVAQQFYKFRDTEK
DAVARWDAVAGGLPDWGKCAQLLRNASSDDHGDNDDEDARKNSSNGCNLRDRGSIMTQQ
ETIVNNGGVHRYDPSIDNKRSRRLPRLPLHLTRGIMGCLDCDRSSSSGGNALCLTAKWQT
DFQEALGASASMCIFASPDVTTTAAASSVTRGCNSKLEKTQRRNKTQTTADMNTDIEDKK
VATVDSTCPRCQKSTVAFYPLPGVGTLVCKRCRRLRK

>comp14359_c0_seq2; 404 157 1482 LEN=1562; translated
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LQLGCPVDGGGHCATPLHRASFSGATAAMKVLLEWNNNTQTNSTHLPVAARNEGSSLSLSD
HTNYYKSDNNASERCNLLAKDTSYGDESTPLHKAAGGRYLAVHMILEALRDRDAESPV
ETSQGPHASRATTWLQNGLSARDKNGRTPLDVAQQFYKFRDTEKDAVARWDAVAGGLPDW
GKCAQLLRNASSDDHGDNDDEDARKNSSNGCNLRDRGSIMTQQETIVNNGGVHRYDPSI
DNKRSRRLPRLPLHLTRGIMGCLDCDRSSSSGGNALCLTAKWQTDQEALGASASMCIFA
SPDVTTTAAASSVTRGCNSKLEKTQRRNKTQTTADMNTDIEDKKVATVDSTCPRCQKSTV
AFYPLPGVGTLVCKRCRRLRK

>comp14359_c0_seq3; 311 157 1633 LEN=1713; translated
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LQLGCPVDGGGHCATPLHRASFSGATAAMKVLLEWNNNTQTNSTHLPVAARNEGSSLSLSD
HTNYYKSDNNASERCNLLAKDTSYVSQKRSKSLGQLNSRNDARKEDXFDVLKPLGLRMIS
ACATHIYLYRYRFSYGDESTPLHKAAGGRYLAVHMILEALRDRDAESPVETSQGPHAS
RATTWLQNGLSARDKNGRTPLDVAQQFYKFRDTEKDAVARWDAVAGGLPDWGKCAQLLRN
ASSDDHGDNDDEDARKNSSNGCNLRDRGSIMTQQETIVNNGGVHRYDPSIDNKRSRRLP
RLPLHLTRGIMGCLDCDRSSSSGGNALCLTAKWQTDQEALGASASMCIFASPDVTTTAA
ASSVTRGCNSKLEKTQRRNKTQTTADMNTDIEDKKVATVDSTCPRCQKSTVAFYPLPGV
TLVCKRCRRLRK

>comp14359_c0_seq4; 242 1 1041 LEN=1121; translated
WNNNTQTNSTHLPVAARNEGSSLSHTNYYKSDNNASERCNLLAKDTSYGDESTPLHKA
AGGRYLAVHMILEALRDRDAESPVETSQGPHASRATTWLQNGLSARDKNGRTPLDVAQQ
FYKFRDTEKDAVARWDAVAGGLPDWGKCAQLLRNASSDDHGDNDDEDARKNSSNGCNLR
DRGSIMTQQETIVNNGGVHRYDPSIDNKRSRRLPRLPLHLTRGIMGCLDCDRSSSSGGNA
LCLTAKWQTDQEALGASASMCIFASPDVTTTAAASSVTRGCNSKLEKTQRRNKTQTTAD
MNTDIEDKKVATVDSTCPRCQKSTVAFYPLPGVGTLVCKRCRRLRK

>comp14360_c0_seq1; 261 72 1106 LEN=1529; translated
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ATTRRLSDVKGISEAKVLKLDIVKQMVSMEFKTAADALEDRTIAMLTGAVEIDKLE
GGIETGSITEVFGEFRTGKTQLCHTLCVTCQMPVSDGGAEGKAIYIDTEGSFRPERLRAI
AERFGLDPAVLENVACARAHNSEHQMELLKVAAA IMSQDRYALLVVDSATALFRDYG
RGELSERQMGMQFLRQLTRLAEFEFGVAVFITNQVVANPDGMSFAKDATKPIGGNIIA
HASTTRRLRKRGENRIMSVDSPSLPEADCQFALSNAVC DATD

>comp14360_c0_seq3; 209 72 1304 LEN=1727; translated
MATETAAPMEQQQYDEGEMEQEESATTYQPIDLLAEHGIATNDIQKLQONAGYYTIESVES
VAIDKGMTANCVPDSWVMTDENCKCALSLTDIPAICAYRTAHRSSRFVLLFFHLSSTLLP
IQKIAHATTRRLSDVKGISEAKVLKLDIVKQMVSMEFKTAADALEDRTIAMLTGAVE
IDKLEGGIETGSITEVFGEFRTGKTQLCHTLCVTCQMPVSDGGAEGKAIYIDTEGSFRP
ERLRAIAERFGLDPAVLENVACARAHNSEHQMELLKVAAA IMSQDRYALLVVDSATALFR
RTDYGELSERQMGMQFLRQLTRLAEFEFGVAVFITNQVVANPDGMSFAKDATKPIGG
NIIA HASTTRRLRKRGENRIMSVDSPSLPEADCQFALSNAVC DATD

>comp14361_c0_seq1; 247 424 1404 LEN=2470; translated
MGTSGLIGTLRGGAIAPVAVTSALASSLRSGSTIGAVLALTVVASC AVTPLTLYRQAYS
FSVGYGLSVAAMGLALLAVFRDTLFAVSRGGNSSPLLLVSALIVYGLRLGFFLLAREVT
PSKREQIKSFDKTSIPKRIIPFAAAVSLVYAFMSPALFLCRSANVSGHLHPVAAAGACMA
WTGAVIEGIADQKQFHAKKGRDGA KDFSGPTTGWFGLSRHPNYFGEIVFWLGILVGGSPG
LGTNAIAWITSLGFGAIYSIMTGATGRLETKQGDKYGGQTAYEDWKKAVPSLFPPTKLG
IPTLIATAGLTAFLVKAQSLAVVAA

>comp14362_c0_seq1; 507 1 1424 LEN=2167; translated
XTRTEQVTQSPNSTPRCGVDLHPMEASRHSQTHRLKMKVAIIATAAAFSTVWRTPPVT
IGMQQQLDAELSLEAPDGDPLESKPGGGAPPNYRPLPDPVVLPLPTSGDGTNRPFVVRV

TTRRKKQTKMTTTTTTTTTTTTTIPITSPRSSNDTHSPRMSTTTDVVVVDSEAHSYDKEHRGY
LVATNYPWSVVLNPNPGTENENESRRKQONTSFSPSQDFLERTSVQASDYRCDIVATNGGP
FDEGGIWNISGPTVRNGVLVVRTPGANATNFVGFGTATEQRTSTDGDGDGDSGNGSEKRYW
ILGTYGQLEALPAATPQATAVWDFVTGFGWL VYHGRPVFRDSDPTGAVRAPRTAIGLDG
DSNLLVLVVDGCEHCLRRKGPTLEELADLMVDLGAVYAINMDGGGSSTMAMPFPLPARFG
SNGSNNGTVASDPDQSNRKHGYAVINRPTCLDVFPFHCQRKVATVLCVSSDGA I
>comp14362_c0_seq2; 644 32 2001 LEN=2146; translated
MRQVPPQRLFLFLLLLLLVRAEASAGTVSGDSGWL REREPALLRGRATPGEDPTEEPS
SPAPSAATSSNSTSVSPSPTVAPSTPFPTTVAPTTAAPTGLPTAAPSDSRPAHRRHGW
KKLLVLLAKTACWLVLAGLFFFFAFGAAMSNRYRIYYYLRGSWYTFWHGIRRRAGRNGARN
AALNDVIFSDGDMHEGLLMGETYGTDRKRNETKQIQRKQNKHTKRNNAFGNLEPIPFHS
IPFQSGSFVTLQQGS SVSLVPTKVL S QGSNPSRVSVQARHPPTKMAIHGTKNRTTVILGL
ALLLLGTSFALAKEQIEPDARAFEPSVQSSVATFHSLAGKTDGDSEIAGAALDPNDETTE
TTTTTTTTTAAATDTTDTAIVTAAIEDGEHEVEAEELARLCTDDSTFRYKHLDRNVGLVDMK
NCTWVATKPMVRCNFRLSRDDDTSPFLKEFCPLSCGLCPTAAQVIPCPEDIPTVPPSTGS
SFGSSTSSSVAFVAGLGGSNNGAIVDNRESSVDNTNSKRSLAIALSVFVVL LLLLLLWIY
CCCCGSPREGKNDTDEEMAMAEMDHNHANTAKSVSSVGSRLLGMVLSTFNGLRGDPKI
DVHQCTSA YCDACEGERKAAALRNQSDVHRVRSVDTFERERQEKQRRMYRDEQEC
>comp14362_c0_seq3; 547 405 1520 LEN=1665; translated
MAIHGTKNRTTVILGLALLLLGTSFALAKEQIEPDARAFEPSVQSSVATFHSLAGKTDGD
SEIAGAALDPNDETTETTTTTTTTTAAATDTTDTAIVTAAIEDGEHEVEAEELARLCTDDST
FRYKHLDRNVGLVDMKNCTWVATKPMVRCNFRLSRDDDTSPFLKEFCPLSCGLCPTAAQV
IPCPEDIPTVPPSTGSSFGSSTSSSVAFVAGLGGSNNGAIVDNRESSVDNTNSKRSLAIA
LSVVFVVL LLLLLLWIYCCCCGSPREGKNDTDEEMAMAEMDHNHANTAKSVSSVGSRLL
GMVLSTFNGLRGDPKIDVHQCTSA YCDACEGERKAAALRNQSDVHRVRSVDTFERERQEK
QRRMYRDEQEC
>comp14362_c0_seq6; 46 1 181 LEN=1407; translated
XRDSPTGAVRAPRTAIGLDGDSNLLVLVVDGCEHWYVLRAPPWYAWFCYKPKQSCHY
>comp14363_c0_seq1; 683 507 1880 LEN=1917; translated
MSAGECQTSNRNDYDDEDEGDAPPPLDEGDIALLSYGLGPYSIQIKKLEDEIKKHQKEV
KNLIGIKESDTGLSPPSMWDLVGDQMMSEEAPLQVARCTKIIADEGEAEAGGNANANSNS
EGTSGNAQAPSKYVINVKQIAKFVVGLEKVAPTDIEEGMRVGVDRSKYSIQIPLPPKID
PTVSLMTVEDKPDVTYDDVGGAKESMEKLREVLETPLHHPERFVTLGIEPPKGILLYGPP
GTGKTLTARAVANRTDACFIRVIGSELVQKYVGE GARMVRELF TMARSKRACIVFFDEVD
AIGGARGGGDDNGSDNEVQRTMLQIVTEL DGF DARGNIKVLMATNRPDTLDPALLRPGR
LDRKVEFGLPDLEGRGHILRIH SKRMNCDRDIRFELIARLCPNTTGAELHSVCTEAGMFA
IRARRKSVSEKDFLESVNKVIKGYKFSATPKYMVYN
>comp14363_c0_seq2; 683 495 1868 LEN=1905; translated
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KNLIGIKESDTGLSPPSMWDLVGDQMMSEEAPLQVARCTKIIADEGEAEAGGNANANSNS
EGTSGNAQAPSKYVINVKQIAKFVVGLEKVAPTDIEEGMRVGVDRSKYSIQIPLPPKID
PTVSLMTVEDKPDVTYDDVGGAKESMEKLREVLETPLHHPERFVTLGIEPPKGILLYGPP
GTGKTLTARAVANRTDACFIRVIGSELVQKYVGE GARMVRELF TMARSKRACIVFFDEVD
AIGGARGGGDDNGSDNEVQRTMLQIVTEL DGF DARGNIKVLMATNRPDTLDPALLRPGR
LDRKVEFGLPDLEGRGHILRIH SKRMNCDRDIRFELIARLCPNTTGAELHSVCTEAGMFA
IRARRKSVSEKDFLESVNKVIKGYKFSATPKYMVYN
>comp14363_c0_seq4; 764 304 1961 LEN=1998; translated
MVDDRNVFRSTPPEQKIDHEFLRCLLCDVRCVAYVATLPLRNAKLIADASSIPLCTQQQ
QQNEMVNPYDTKSPLSASRCRFRCLSHNQIKLNQIKLIRMQSNPIHRCAQEDEGDAPP
LDEGDIALLSYGLGPYSIQIKKLEDEIKKHQKEVKNLIGIKESDTGLSPPSMWDLVGDQ
QMMSEEAPLQVARCTKIIADEGEAEAGGNANANSNSEGTSNAQAPSKYVINVKQIAKFV
GLGEKVAPTDIEEGMRVGVDRSKYSIQIPLPPKIDPTVSLMTVEDKPDVTYDDVGGAKES
MEKLREVLETPLHHPERFVTLGIEPPKGILLYGPPGTGKTLTARAVANRTDACFIRVIGS
ELVQKYVGE GARMVRELF TMARSKRACIVFFDEVD AIGGARGGGDDNGSDNEVQRTMLQ
IVTEL DGF DARGNIKVLMATNRPDTLDPALLRPGRLDRKVEFGLPDLEGRGHILRIH SKR
MNCDRDIRFELIARLCPNTTGAELHSVCTEAGMFAIRARRKSVSEKDFLESVNKVIKGYK
KFSATPKYMVYN
>comp14364_c0_seq1; 635 1 1902 LEN=2400; translated
KEPPTRNKFFRRTRSLHLGAPCFHIQTLPFYHPATVDMPKPKKILNDPKESVDEFISGL
LLQYPNRLQKLQNHVVLT TTPPCGGS AVQLLSGGSGHEP SHAGWIGNMLSGAICGGI

FASPSVASILAAIRAAAASMTENAGILLVVKNYTGDRLNFGMACEKANQEGILSRMVVA
DDCALERTKGITGARGVAGCVLVHKVAGAASVAGKSLDEVVALVEEVNGCIGTLGVALDS
VTIPGAESVNDRLDDKTIEIGLGIHGEAGMKQSPLLTADEMAKEMVDTIREYGRTNKSGE
IVPLFEKGDSLCVLVNNLGGTSNFEMSILANACVKYIEGDANGCKVTRLLVGSFMTSFD
HGASVTIILNLSCASEEMISLLDAPTDAPAWSTCDIWKAE GDKIRLSSTERSEVVVDDSTE
PKLTLPPVAIPNFGETAKTLVLKAVKSLGEAEATLTKYDTIVGDGDCGITMKRGATEIEE
RLTKGTIPTDHPVSMFSAMADAVSDSMGGTSGILLELMFRKISSTLSRCETIGAAEMSQA
FKAGVDAISLYGGATVGSRTMLDALVPAATSLVESGSI AEACEKAKLGS DGTADMKVASA
GRSNYLSEETLTGTPDPGAVAVAI VFEAISSAP

>comp14365_c0_seq1; 302 993 1478 LEN=1486; translated
MAENEATREDYARLPPVAADVGIETNSQSNRLGVAGVDTTAVAPATSAVDQTVAAFQSEP
RATGEKNDSIADVDADADAKPTTITQRRASAGHRKTENDQSLDPTQSTSHKAKTEATNKR
SSVGEVTETPTATK KKKVGDLSVSPDWHRKGDRTVIPLPSI

>comp14365_c0_seq2; 744 227 3154 LEN=3364; translated
MAVREQQQLNAEGILSPRQKIHSPPRDGTEGILSPRKKSRDRYPSNGELTGSGDNDANG
AARYGEYHLLSATNHKAGSSGLEHQPHGDQQYQEHSSPHSPPQRVVHVDGEDHGCEDISP
IKFSPPTDSSPSNLSNHRGHYTQPSVDHRQRYRGGFPAGSDVRLSEDFEFPYETSSPPDG
HDEQHAAEISFDTSAAAGNSGYHHQTIRNSGDEGRRQYSLPVSHSPSHRGTGESRAVQEV
EEEVDHENGKNTSTHEASIGGQHYDSNRERYHDKRSFYSTAPPLPRGLPSPDLRDP
RHY YHNHKS KFY PGEDVRPPLSGDGARYADKEVTKGRNDS SKNVLD RPSRMVQSSPIQSGRPR
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>comp14365_c0_seq3; 302 962 1447 LEN=1455; translated
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>comp14365_c0_seq4; 744 228 3155 LEN=3365; translated
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>comp14365_c0_seq5; 735 227 3252 LEN=3462; translated
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>comp14365_c0_seq6; 735 228 3253 LEN=3463; translated
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>comp14366_c0_seq1; 409 1 1046 LEN=1273; translated
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>comp14366_c0_seq2; 986 108 2963 LEN=3190; translated
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SIASLNNNSGNMQQDSPEDEKQNDKNDAIKWNTDPEKSGDDMSMGSDSSSIIASIDNDK
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IIQNLKADA EKARNEIKGLYSK LQGLQGRYQEMTDALTCATKMCEEEREARRQLTVDVIG
FKKAKKAAERKLKALKSLADSKGTVGAKGGDLELDSEEP TAKEFKSRALSVGDVVLANST
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>comp14367_c0_seq1; 532 55 1722 LEN=2209; translated
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>comp14368_c0_seq1; 164 153 683 LEN=877; translated
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>comp14368_c0_seq2; 253 228 1298 LEN=1492; translated
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ALANASLARRIISKYKANTKPIKGTIIDYLCHNPNPCYANEDEIVADVLLYLTAGHDTTAYT
MAFTLLELARNPDLQKSVRDEVAVMESSDHWRRSEALQMAIKESMRLYPVSASGSSRVCG
RDFVTKEGWVIPAGTSVSSHIMLIHRNKNVFGENADEVVPSRWENPTQAQKDSFLIFAAG
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>comp14368_c0_seq3; 281 301 1809 LEN=2003; translated
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CYANEDEIVADVLLYLTAGHDTTAYTMAFTLLELARNPDLQKSVRDEVAVMESSDHWRRS
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>comp14369_c0_seq1; 700 105 2273 LEN=2498; translated
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HFLQTLGKKVLLVMHHRHFSRHMLPHKYRPLCDAWRNEGLLYATPPGMNDDWFMHAAALK
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>comp14370_c2_seq1; 253 108 1304 LEN=1727; translated
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LCSNKGFP CDEGDDTLELVPCSKGIWVSR AKKYVFSFVRN PYARLYSGFAMAERMNET
THPEPIDFRTFALASNNDRYK MSETHTSHYVPQSKLLADKRGCPVLDYVGR IEHYDDDLW
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>comp14370_c2_seq2; 253 108 1304 LEN=1823; translated
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LCSNKGFP CDEGDDTLELVPCSKGIWVSR AKKYVFSFVRN PYARLYSGFAMAERMNET
THPEPIDFRTFALASNNDRYK MSETHTSHYVPQSKLLADKRGCPVLDYVGR IEHYDDDLW
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>comp14371_c0_seq1; 344 258 2324 LEN=2607; translated
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VDVPI SHAKEPKSNSTSYQSAIKLMVSNNVAGSII GRQGQTISDLQSQS SARIKLSQTGD
YYPGTQDRVCLVQGQLGTVKHAVKLLLERFHMLQEQQHTQHTQHLPWRKGSNAPSGDFV

IRLLVPSSSCGMIIGKGGANIKLMEESSGVTSVRLSPKEGQDQAAHPSIAGRSGLTERVV
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>comp14372_c0_seq1; 674 1 2549 LEN=3838; translated
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VDANVRRSARATKGIITRLEFDHGWDESQARKKQKKRSSNNDAGDHGKVKRKAAILTEAE
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VRFVPPPLSPTKTKAIQNLGCGLLNKCAISFPSVFWQSDFLGQARSEYSYLVLNAANYTQ
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REAYRFDLYMEPVLNNHLGFDEKIHVYKHTFATRRVYKKRSASGNRDKAAEATTSAES
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>comp14372_c0_seq2; 301 1 1169 LEN=2458; translated
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>comp14372_c0_seq3; 674 1 2549 LEN=3946; translated
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VDANVRRSARATKGIITRLEFDHGWDESQARKKQKKRSSNNDAGDHGKVKRKAAILTEAE
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>comp14372_c0_seq4; 301 1 1169 LEN=2566; translated
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>comp14373_c0_seq2; 96 1 752 LEN=752; translated
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STVVSSRPGHGCRQKRLSSRPVAVDWSTSAATDDQPYHRPRDEDTSTRMPKPKKQRPMSM

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>comp14373_c0_seq3; 115 1 485 LEN=1317; translated
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>comp14374_c0_seq1; 225 1 1162 LEN=1228; translated
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>comp14375_c0_seq1; 537 1 2558 LEN=2619; translated
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>comp14376_c0_seq2; 1378 412 4068 LEN=4229; translated
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>comp14376_c0_seq3; 1250 412 4174 LEN=4335; translated
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>comp14377_c0_seq4; 272 671 1837 LEN=2441; translated
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>comp14377_c0_seq5; 162 671 1968 LEN=2483; translated
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>comp14377_c0_seq6; 272 671 1837 LEN=2352; translated
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>comp14377_c0_seq7; 240 497 1030 LEN=1634; translated
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>comp14377_c0_seq9; 240 497 1030 LEN=1545; translated
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>comp14377_c0_seq10; 162 671 1968 LEN=2572; translated
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>comp14377_c0_seq11; 237 291 899 LEN=1414; translated
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>comp14377_c0_seq12; 237 291 899 LEN=1503; translated
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>comp14378_c0_seq1; 368 362 1405 LEN=1666; translated
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GSCII SKRKKKLTCEKINRCKQIKNCTECLTFRSSRRGTNCAWWHSQDGSVAQCVGLE
QCSNKESGTCIQRKAFSTDESVSIEESCEIIPPPSLCLDFLNCEECSSKEEGCFWNQDAY
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>comp14378_c0_seq2; 335 1 1221 LEN=1482; translated
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CITNETPFGCGAACETIIDRDGCDNCVTMNGVACAWFVQGNVSLRCIGKERCSDRGFEAG
SCII SKRKKKLTCEKINRCKQIKNCTECLTFRSSRRGTNCAWWHSQDGSVAQCVGLEQ
CSNKESGTCIQRKAFSTDESVSIEESCEIIPPPSLCLDFLNCEECSSKEEGCFWNQDAYG
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>comp14379_c0_seq2; 1341 58 3201 LEN=3201; translated
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VAILRYSPPSPSSAIDLQAVSECGRPSEEDGFVCTHLNWNMETIIAGFCKVIPPEDNE
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TKTRLIAVATNVGSDIGTSLLEDNDSNWNVPVEFQEGAGASTPTNEDDEFVPLGICIVQL
ASLSSFRLVASTDNSISTFEFQHINDPSFFTETALGSIIDLPREPLKIVEPTGTGKSTN
LPEGTEKNSWVVDDTNAISMSTA EKAPAPTANSFGSSGGVGTGSTVNAPAPSDSVATT
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WYKTLVEGDGDDDDC SLDTTEELAEREERVKASSAFGKLGKKSESGKSYIVPDQFGALFE
SMGSVYCEEHRKTLKVKVSADGHIYEKDFLAWYIEWLFGDES DSDSDDEDSISEGNNAD
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SIPTSNPTSSIGAGGFTFGGTEGEK DAG

>comp14379_c0_seq3; 628 1 1089 LEN=1089; translated
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PTNSEGFSIGLCGSKDTSPTESPKNHDQTPSDTEKTA AKVDFKFDTTKSGKVDVTA FEEL
SEALGEGFYGDEYNAQVSLVDPNNDGFI SRQNF IGWYKTLVEGDGDDDDC SLDTTEELAER
EEERVKASSAFGKLGKKSESGKSYIVPDQFGALFESMGSVYCEEHRKTLKVKVSADGHI
YEKDFLAWYIEWLFGDES DSDSDDEDSISEGNNADNEGTEDSKEVKMLGDI FKVDESEWK
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DAG

>comp14380_c0_seq1; 667 127 1408 LEN=1438; translated
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IFVNNREDMTEEDI EWSITEAKEKKKPVFYNFHVEFPATMYPTLIEAAPILREWRARAEA
EGIPFFATTVLRPLGHALSFFNFHVTVDEMEWSPFAGDMDATEENFLKTYVGNRLCHL
MYNDAHGILEAPDEALREGLKENLFHFMDEHELNRNNEPSHCDADALRTILFEDNTFDYV
GITERLSTHILPMFTKIVFGDARLAGDAEVKKAADM TDDTWVPLKKNLSESTKELVAR
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DAAREK

>comp14382_c0_seq1; 281 955 1956 LEN=2073; translated
MTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQLCSFWAGIGECENNKSFMKVQCAPA
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YYVTVLSRPSEVPATEANIISDRKLPWPVITLDNFLTDEECDLSLIQHGYEAGYKRSQDVG
KQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILK
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>comp14382_c0_seq2; 278 152 1853 LEN=2309; translated
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VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSXNQDALQKPGMTLFEITKQVPSKADF
PNMFCLLLLFRMNYVRFGLLEENXENNKSFMKVQCAPACQSCHLIDIANRCPNLPDAIPG
LKEGDLNKMFERIVEEAPGNRTLTQDREKLALLEVPEYYVTVLSRPSEVPATEANIISD
RKLPPWVITLDNFLTDEECDLSLIQHGYEAGYKRSQDVGKQKFDGMLESKLESGRTSENAW
CTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILKYEKGQFYNTTHDYIPYQKMRQC
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>comp14382_c0_seq3; 313 853 1902 LEN=2358; translated
MTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNKSFMKVQCAPA
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YYVTVLSRPSEVPATEANIISDRKLPWPVITLDNFLTDEECDLSLIQHGYEAGYKRSQDVG
KQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILK
YEKGQFYNTTHDYIPYQKMRQCGRILTFFLYLSQVEAGGGTDFPKLGITVMPKKGRALL
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>comp14382_c0_seq4; 158 1205 1681 LEN=2104; translated
MFERIVEEAPGNRTLTQDREKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWVI
TLDNFLTDEECDLSLIQHGYEAGYKRSQDVGKQKFDGMLESKLESGRTSENAWCTTRNGCR
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>comp14382_c0_seq5; 190 152 826 LEN=1973; translated
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GDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTTEKTQTKDFVDLIQRTANFG
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>comp14382_c0_seq6; 313 853 1902 LEN=2336; translated
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KQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILK
YEKGQFYNTTHDYIPYQKMRQCGRILTFFLYLSQVEAGGGTDFPKLGITVMPKKGRALL
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>comp14382_c0_seq7; 321 152 1468 LEN=1947; translated
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VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNK
SFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTQDR
EKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWPVITLDNFLTDEECDLSLIQHGYE
AGYKRSQDVGKQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDRLANVVGIPP
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>comp14382_c0_seq9; 321 152 1468 LEN=2044; translated
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VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNK
SFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTQDR
EKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWPVITLDNFLTDEECDLSLIQHGYE
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>comp14382_c0_seq10; 341 407 1873 LEN=2329; translated
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GIGECENNKSFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPG
NRTLTDQDREKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWVITLDNFLTDEEC
DSL IQHGYEAGYKRSQDVGKQKFDGMLESKLSSEGR TSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILKYEKGQFYNTTHHDYIPYQKMRQCGPRILTFFLYLS DVEAGGG
TDFPKLGITVMPKKGRALLWPSVYNAEPMNEDRRMKHQALPVVAGTKFGANAWIHMYDYQ
HPQENGCN

>comp14382_c0_seq11; 175 407 928 LEN=2024; translated
MANICPVSCSGMKGAPARTECYDVHKNCS DWA EVD ECE TNN AVKNY CPLSCGRCTAKATI
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LIQRTANFGVTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQV

>comp14382_c0_seq12; 278 853 1599 LEN=2022; translated
MTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNKSFMKVQCAPA
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YYVTVLSRPSEVPATEANIISDRKLPWVITLDNFLTDEECDSL IQHGYEAGYKRSQDVG
KQKFDGMLESKLSSEGR TSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILK
YEKGQCES

>comp14382_c0_seq13; 263 407 1955 LEN=2411; translated
MANICPVSCSGMKGAPARTECYDVHKNCS DWA EVD ECE TNN AVKNY CPLSCGRCTAKATI
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LIQRTANFGVTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSXNQDALQKPGMTLFEIT
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EGR TSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILKYEKGQFYNTTHHDY
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>comp14382_c0_seq14; 158 1307 1783 LEN=2206; translated
MFERIVEEAPGNRTLTDQDREKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWVI
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>comp14382_c0_seq15; 321 152 1468 LEN=2409; translated
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SGMKGAPARTECYDVHKNCS DWA EVD ECE TNN AVKNY CPLSCGRCTAKATINTVAENTGC
GDDNENCSAWADLGECDKNPRYM LEKCRKSCGVCHGTVTST EKTQTKDFVDLIQRTANFG
VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNK
SFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTDQDR
EKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWVITLDNFLTDEECDSL IQHGYE
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>comp14382_c0_seq16; 281 853 1854 LEN=1971; translated
MTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNKSFMKVQCAPA
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YYVTVLSRPSEVPATEANIISDRKLPWVITLDNFLTDEECDSL IQHGYEAGYKRSQDVG
KQKFDGMLESKLSSEGR TSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILK
YEKGQFYNTTHHDYIPYQKMRQCGPRILTFFLYLS DVEAGGGTDFPKLGITVMPKKGRALL
WPSVYNAEPMNEDRRMKHQALPVVAGTKFGANAW

>comp14382_c0_seq17; 341 407 1873 LEN=2307; translated
MANICPVSCSGMKGAPARTECYDVHKNCS DWA EVD ECE TNN AVKNY CPLSCGRCTAKATI
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LIQRTANFGVTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWA
GIGECENNKSFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPG
NRTLTDQDREKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWVITLDNFLTDEEC
DSL IQHGYEAGYKRSQDVGKQKFDGMLESKLSSEGR TSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILKYEKGQFYNTTHHDYIPYQKMRQCGPRILTFFLYLS DVEAGGG
TDFPKLGITVMPKKGRALLWPSVYNAEPMNEDRRMKHQALPVVAGTKFGANAWIHMYDYQ
HPQENGCN

>comp14382_c0_seq18; 193 1205 1984 LEN=2440; translated
MFERIVEEAPGNRTLTDQDREKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWVI
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HATVPKRVLDRLANVVGIPPENSEDLQILKYEKGQFYNTTHHDYIPYQKMRQCGPRILTF

LYLSDVEAGGGTDFPKLGITVMPKKGRALLWPSVYNAEPMNEDRRMKHQALPVVAGTKFG
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>comp14382_c0_seq19; 278 152 1853 LEN=2287; translated
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VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSXNQDALQKPGMTLFEITKQVPSKADF
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LKEGDLNKMFERIVEEAPGNRTLTDQDREKLALLEVPEYYVTVLSRPSEVPATEANIISD
RKLPPWVITLDNFLTDEECDLSLIQHGYEAGYKRSQDVGKQKFDGMLESKLSSEGRITSENAW
CTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILKYEKGFYNTHHDYIPYQKMRQC
GPRILTFFLYLSDVEAGGGTDFPKLGITVMPKKGRALLWPSVYNAEPMNEDRRMKHQALP
VVAGTKFGANAWIHMYDYQHPQENGCN
>comp14382_c0_seq20; 306 407 1570 LEN=1993; translated
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GIGECENNKSFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPG
NRTLTDQDREKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPPWVITLDNFLTDEEC
DSLIIQHGYEAGYKRSQDVGKQKFDGMLESKLSSEGRITSENAWCTTRNGCRHATVPKRVLD
RLANVVGIPPENSEDLQILKYEKGCES
>comp14382_c0_seq21; 278 853 1599 LEN=2443; translated
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YYVTVLSRPSEVPATEANIISDRKLPPWVITLDNFLTDEECDLSLIQHGYEAGYKRSQDVG
KQKFDGMLESKLSSEGRITSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILK
YEKGCES
>comp14382_c0_seq22; 175 407 928 LEN=1122; translated
MANICPVSCSGMKGAPARTECYDVHKNCSDWAEVDECETNNAVKNYCPLSCGRCTAKATI
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LIQRTANFGVTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQV
>comp14382_c0_seq23; 120 1 580 LEN=580; translated
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LLEVPEYYVTVLSRPSEVPATEANIISDRKLPPWVITLDNFLTDEECDLSLIQHGYEAGYK
RSQDVGKQKFDGMLESKLSSEGRITSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSE
DLQILKYEKGFYN
>comp14382_c0_seq24; 321 152 1468 LEN=2431; translated
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VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNK
SFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTDQDR
EKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPPWVITLDNFLTDEECDLSLIQHGYE
AGYKRSQDVGKQKFDGMLESKLSSEGRITSENAWCTTRNGCRHATVPKRVLDRLANVVGIPP
ENSEDLQILKYEKGCES
>comp14382_c0_seq25; 157 1 583 LEN=1006; translated
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LLEVPEYYVTVLSRPSEVPATEANIISDRKLPPWVITLDNFLTDEECDLSLIQHGYEAGYK
RSQDVGKQKFDGMLESKLSSEGRITSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSE
DLQILKYEKGCES
>comp14382_c0_seq26; 321 152 1468 LEN=2312; translated
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SGMKGAPARTECYDVHKNCSDWAEVDECETNNAVKNYCPLSCGRCTAKATINTVAENTGC
GDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTTEKTQTKDFVDLIQRTANFG
VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNK
SFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTDQDR
EKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPPWVITLDNFLTDEECDLSLIQHGYE
AGYKRSQDVGKQKFDGMLESKLSSEGRITSENAWCTTRNGCRHATVPKRVLDRLANVVGIPP
ENSEDLQILKYEKGCES
>comp14382_c0_seq27; 190 152 826 LEN=1020; translated

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GDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTTEKTQTKDFVDLIQRTANFG
VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQV
>comp14382_c0_seq28; 190 152 826 LEN=1922; translated
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SGMKGAPARTECYDVHKNCSDWAEVDECETNNAVKNYCPLSCGRCTAKATINTVAENTGC
GDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTTEKTQTKDFVDLIQRTANFG
VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQV
>comp14382_c0_seq29; 306 407 1570 LEN=2436; translated
MANICPVSCSGMKGAPARTECYDVHKNCSDWAEVDECETNNAVKNYCPLSCGRCTAKATI
NTVAENTGCGDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTTEKTQTKDFVD
LIQRTANFGVTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWA
GIGECENNKSFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPG
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LANVVGIPPENSEDLQILKYEKGQCES
>comp14382_c0_seq30; 313 955 2004 LEN=2460; translated
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YYVTVLSRPSEVPATEANIISDRKLPWVITLDNFLTDEECDSLQHGQYEAQYKRSQDVG
KQKFDGMLESKLSSEGRITSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILK
YEKGQFYNTTHDYPYQKMRQCGPRILTFFLYLSVDEAGGGTDFPKLGITVMPKKGRALL
WPSVYNAEPMNEDRRMKHQALPVVAGTKFGANAWIHMYDYQHPQENGCN
>comp14382_c0_seq31; 321 152 1468 LEN=2334; translated
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SGMKGAPARTECYDVHKNCSDWAEVDECETNNAVKNYCPLSCGRCTAKATINTVAENTGC
GDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTTEKTQTKDFVDLIQRTANFG
VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNK
SFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTDQDR
EKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWVITLDNFLTDEECDSLQHGQY
AGYKRSQDVGKQKFDGMLESKLSSEGRITSENAWCTTRNGCRHATVPKRVLDRLANVVGIP
PENSEDLQILKYEKGQCES
>comp14382_c0_seq32; 175 407 928 LEN=2075; translated
MANICPVSCSGMKGAPARTECYDVHKNCSDWAEVDECETNNAVKNYCPLSCGRCTAKATI
NTVAENTGCGDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTTEKTQTKDFVD
LIQRTANFGVTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQV
>comp14382_c0_seq33; 324 152 1723 LEN=1840; translated
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SGMKGAPARTECYDVHKNCSDWAEVDECETNNAVKNYCPLSCGRCTAKATINTVAENTGC
GDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTTEKTQTKDFVDLIQRTANFG
VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNK
SFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTDQDR
EKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWVITLDNFLTDEECDSLQHGQY
AGYKRSQDVGKQKFDGMLESKLSSEGRITSENAWCTTRNGCRHATVPKRVLDRLANVVGIP
PENSEDLQILKYEKGQFYNTTHDYPYQKMRQCGPRILTFFLYLSVDEAGGGTDFPKLGIT
VMPKKGRALLWPSVYNAEPMNEDRRMKHQALPVVAGTKFGANAW
>comp14382_c0_seq34; 136 152 541 LEN=2053; translated
MKVVAVFRALVTLFFQKVDSDQECGANGDCDSHQRCPLWEIEGECYRSPAYMANICPVSC
SGMKGAPARTECYDVHKNCSDWAEVDECETNNAVKNYCPLSCGRCTAKATINTVAENTGC
GDDNENCSAW
>comp14382_c0_seq35; 263 407 1955 LEN=2389; translated
MANICPVSCSGMKGAPARTECYDVHKNCSDWAEVDECETNNAVKNYCPLSCGRCTAKATI
NTVAENTGCGDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTTEKTQTKDFVD
LIQRTANFGVTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSXNQDALQKPGMTLFEIT
KQVPSKADFPNMFCLLLLLFRMNYVRFGLELENXENNKSFMKVQCAPACQSCHLIDIANR
PNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTDQDREKLALLEVPEYYVTVLSRPSEVP
ATEANIISDRKLPWVITLDNFLTDEECDSLQHGQYEAQYKRSQDVGKQKFDGMLESKLS
EGRTSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILKYEKGQFYNTTHDYP
IPYQKMRQCGPRILTFFLYLSVDEAGGGTDFPKLGITVMPKKGRALLWPSVYNAEPMNED

RRMKHQALPVVAGTKFGANAWIHMYDYQHPQENGCN
>comp14382_c0_seq36; 309 407 1825 LEN=1942; translated
MANICPVSCSGMKGAPARTECYDVHKNCSWAEVDECETNNAVKNYCPLSCGRCTAKATI
NTVAENTGCGDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTEKTQTKDFVD
LIQRTANFGVTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWA
GIGECENNKSFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPG
NRTLTDQDREKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWPVITLDNFLTDEEC
DSL IQHGYEAGYKRSQDVGKQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDR
LANVVGIPPENSEDLQILKYEKGQFYNTTHDYPYQKMRQCGPRILTFFLYLSDVEAGGG
TDFPKLGITVMPKKGRALLWPSVYNAEPMNEDRRMKHQALPVVAGTKFGANAW
>comp14382_c0_seq37; 313 955 2004 LEN=2438; translated
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CQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTDQDREKLALLEVPE
YYVTVLSRPSEVPATEANIISDRKLPWPVITLDNFLTDEECDSL IQHGYEAGYKRSQDVG
KQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILK
YEKGQFYNTTHDYPYQKMRQCGPRILTFFLYLSDVEAGGGTDFPKLGITVMPKKGRALL
WPSVYNAEPMNEDRRMKHQALPVVAGTKFGANAWIHMYDYQHPQENGCN
>comp14382_c0_seq38; 356 152 1771 LEN=2227; translated
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GDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTEKTQTKDFVDLIQRTANFG
VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNK
SFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTDQDR
EKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWPVITLDNFLTDEECDSL IQHGYE
AGYKRSQDVGKQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDRLANVVGIPP
ENSEDLQILKYEKGQFYNTTHDYPYQKMRQCGPRILTFFLYLSDVEAGGGTDFPKLGIT
VMPKKGRALLWPSVYNAEPMNEDRRMKHQALPVVAGTKFGANAWIHMYDYQHPQENGCN
>comp14382_c0_seq39; 356 152 1771 LEN=2205; translated
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GDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTEKTQTKDFVDLIQRTANFG
VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNK
SFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTDQDR
EKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWPVITLDNFLTDEECDSL IQHGYE
AGYKRSQDVGKQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDRLANVVGIPP
ENSEDLQILKYEKGQFYNTTHDYPYQKMRQCGPRILTFFLYLSDVEAGGGTDFPKLGIT
VMPKKGRALLWPSVYNAEPMNEDRRMKHQALPVVAGTKFGANAWIHMYDYQHPQENGCN
>comp14382_c0_seq40; 306 407 1570 LEN=2414; translated
MANICPVSCSGMKGAPARTECYDVHKNCSWAEVDECETNNAVKNYCPLSCGRCTAKATI
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LIQRTANFGVTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWA
GIGECENNKSFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPG
NRTLTDQDREKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWPVITLDNFLTDEEC
DSL IQHGYEAGYKRSQDVGKQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDR
LANVVGIPPENSEDLQILKYEKGQCES
>comp14382_c0_seq41; 136 152 541 LEN=1151; translated
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SGMKGAPARTECYDVHKNCSWAEVDECETNNAVKNYCPLSCGRCTAKATINTVAENTGC
GDDNENCSAW
>comp14382_c0_seq42; 278 955 1701 LEN=2124; translated
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CQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTDQDREKLALLEVPE
YYVTVLSRPSEVPATEANIISDRKLPWPVITLDNFLTDEECDSL IQHGYEAGYKRSQDVG
KQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILK
YEKGQCES
>comp14382_c0_seq43; 190 152 826 LEN=1876; translated
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SGMKGAPARTECYDVHKNCSWAEVDECETNNAVKNYCPLSCGRCTAKATINTVAENTGC
GDDNENCSAWADLGECDKNPRYMLEKCRKSCGVCHGTVTSTEKTQTKDFVDLIQRTANFG
VTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQV

>comp14382_c0_seq44; 121 1307 1780 LEN=1780; translated
MFERIVEEAPGNRTLTDQDREKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWVI
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HATVPKRVLDRLANVVGIPPENSEDLQILKYEKGFYN
>comp14382_c0_seq45; 306 407 1570 LEN=2049; translated
MANICPVSCSGMKGAPARTECYDVHKNCSDWAEVDECETNNAVKNYCPLSCGRCTAKATI
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LIQRTANFGVTQTASGAQKMTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWA
GIGECENNKSFMKVQCAPACQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPG
NRTLTDQDREKLALLEVPEYYVTVLSRPSEVPATEANIISDRKLPWVITLNDNFLTDEEC
DSLQIHYEAGYKRSQDVGKQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDRL
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>comp14382_c0_seq46; 193 1205 1984 LEN=2418; translated
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HATVPKRVLDRLANVVGIPPENSEDLQILKYEKGFYNTHHDYIPYQKMRQCGPRILTF
LYLSDVEAGGGTDFPKLGITVMPKKGRALLWPSVYNAEPMNEDRRMKHQALPVVAGTKFG
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>comp14382_c0_seq47; 278 853 1599 LEN=2078; translated
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KQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILK
YEKGQCES
>comp14382_c0_seq48; 278 853 1599 LEN=2465; translated
MTTLDHMEKMMNYLGSDDYKSLPSQIKMHCKNQNELCSFWAGIGECENNKSFMKVQCAPA
CQSCHLIDIANRCPNLPDAIPGLKEGDLNKMFERIVEEAPGNRTLTDQDREKLALLEVPE
YYVTVLSRPSEVPATEANIISDRKLPWVITLNDNFLTDEECDLSLIQHGYEAGYKRSQDVG
KQKFDGMLESKLESGRTSENAWCTTRNGCRHATVPKRVLDRLANVVGIPPENSEDLQILK
YEKGQCES
>comp14383_c0_seq1; 412 242 1024 LEN=2165; minus strand; translated
MSDLANLHSHLSTDRVGLVQASTLGALEALLQFLRVDTDPPIPVSAIGIGTIHKRDVTK
ISIMNEKGHPYATILAFDCDIEKEAREHAAEMGVRIMTADIIYHLFDQFTRFMDELTA
RREEAAAVAVFPSIIKILPQHVFVNQKDPDIVGVEVVEGILKIGTPLCVPAIGGLHVGVKVT
SIEMNGKEQNTARKGQSVAIKIVNESNPNTITYGRQFDSSHSLSYTLTRASIDALKLNFKD
ALEKEDWRLVVMMKKVFCII
>comp14384_c0_seq1; 414 1 1723 LEN=1983; translated
XQHEHVHGLPPLAHAASSNDSTCTVILPHRSRMPSPPTTKPVLLERLLGTSNYNVLLAVS
GNIISWFVATLVP SRLPYLLPFIPEEQASDENDGAKASDLGGEKTDRRTRCVAIGRPGGM
EQLRIIRLKEGHATRGYNVEIPGCSSGSPFVDSLILDRKETKEGDPSTEEGDQPSLVVLR
ICAFSINYADCCIRWGLYESANRFVGYPIVPGFDVAGVVEKVISSDAATETSSSPPQLKV
GDRVYGATFFGSYSTRCLIPANQLRKIPEGLSFAEAAALPAVSLTALYALHLGGRFPFAT
NVRHETNLPTRPSSEITVIAPSNRSILIHSAAGGVGSMVMQAKLLGLSPVVGVVGRTA
KVEEAKALGCDVVIDKQSLREAAAEGSAKAPGTMWESIRAAGPPDGYSIIADPNGVATLQ
DSFDHLCPTGRLIVFGFHSNLP MGRDSLNPMEWVRMVFRASKMPAFDPMELVTSNKSVLG
FNLSFFASETDMLNPMYDQIERWLSLPKQEPQOGKSTTDTAATGNEPKQGLRLRCPRVTE
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>comp14386_c0_seq1; 453 283 1939 LEN=1964; translated
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KDSSGLRLLSRRLDLLRAAERVRNNEIPLPQTIAGLFQPPQAQPRRHIRIVAFRFDGAVPD
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EDPQGNPILVQAYWQSNQTVHTTTSRPIDGGGDTDERKGSADDPGWVHTHMYLWEGGSE
NESERENERRVMVETTFHSTPFPSAPEVDGSPGSRETAERAAEASRRAPQRECPGGGKK
SASERRNKRNEPTNQGRMEGSESTARAQPDVAVGIGIALSIRFDSKSFVARSRGNQKLLFR
RGKCLQQHYDF
>comp14386_c0_seq2; 436 283 1900 LEN=1925; translated
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KDSSGLRLLSRRLDLLRAAERVRNNEIPLPQTIAGLFQPPQAQPRRHIRIVAFRFDGAVPD
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EDPQGNPILVQAYWQSNQTVHTTTSRPIDGGGGDTDDPGWVHMYLWEAGSENERVMV
VETTFHSTPFPSAPEVDGSPGSRETVERAAEASRRAPQRECPGGGKKSASERRNKRNEPT
NQGRMEGSESTARAQPDVAVGIGIALSIRFDSKSFVARSRGNQKLLFRRGKCLQQHYDF
>comp14386_c0_seq3; 455 283 1951 LEN=1976; translated
MIRPIGSGAVLWVCLASLSLSLYLSLSSTKHDWAVSAGSASANPLVRSRSPESPSSDRAVP
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EDPQGNPILVQAYWQSNQTVHTTTSRPIDGGGGDTDERKGSADDPGWVHMYLWEAGSE
NESERENERVMVETTFHSTPFPSAPEVDGSPGSRETAERAAEASRRAPQRECPGGGKKS
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LLFRRGKCLQQHYDF
>comp14386_c0_seq4; 438 283 1912 LEN=1937; translated
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EDPQGNPILVQAYWQSNQTVHTTTSRPIDGGGGDTDDPGWVHMYLWEAGSENERVMV
VETTFHSTPFPSAPEVDGSPGSRETVERAAEASRRAPQRECPGGGKKSASERRNKRNETN
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DF
>comp14387_c0_seq1; 396 123 2024 LEN=2090; translated
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FIANALNSLNQTLFGRLSVGLLSGKAQPELIADELATICNNSGSFEIHYMESPNQKFEDA
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LPKAEPTALEDSIGNLSRNVVTKPISVEDLLNIVGYSQGRTDWGSIIAGAWPATEKDAMN
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DGAINSNMWMNAGCVGFDPYVGTDYKRRPYWDKDGDYVRQWCPELKDLPDYEVAEAQR
GIGTFKVDCLYEPWSAPEEALRTSGVVLGETYPNRCCDERIERKRFFEKIRKLRAQWPSS
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>comp14387_c0_seq2; 139 1 729 LEN=795; translated
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WDKDGDYVRQWCPELKDLPDYEVAEAQRGIGTFKVDCLYEPWSAPEEALRTSGVVLGET
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SK
>comp14388_c0_seq1; 580 550 2193 LEN=2500; translated
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DNHEQTMQINFLSHFLMISKLIPIGMMDCSDPRVIMVGSVTGNDNTVGGGGVYPIADLHEL
EGFERGFKNPIPMADGYGFIGAKAYKDSKLCMMMANFLHYKYNKLTGVTFCSMYPGCIA
ESPLFREKREWFRTYFPIFMKFITGGFVGEHEAGQRLFQVAHDPRCSKSGVYWSWNGGPR
EGRGAEALEKGGQISGGGGAGGWDISIFENDQSSKVLNIDTAAKLFDTSTKITGAEWPTL
KQITSPCPTLKVIGAVTQGMVKREELKRMRELGRPGMSDDDLEVMDKAIELAEAEELAAT
QAKTVTRVVEAKKPAKKFSKRQQVVMFADKAVGFVLKNTIGRVAGFIGRLLGQIPETA
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KDILVSA
>comp14389_c0_seq1; 384 1 1322 LEN=1459; translated

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RSIASSSQDEDSKEFKSSWVPKNI PGAFQELRESKREQLSAFCFGSGDGEDYLNSCGWA
LAENIETADLIVARGTFLVLSATECADKKVDEDAYWSAYRSTLERASKLKNPPPMVVCNP
DKVRPDADKSPMPGTIGVAYQGLLQTAGMSAEDLILSLGKPFPSVYEIALSSIENSNDI
QPRVAMVGDALET DVTGATATGIDS IWVVEDGIHNQEISVASSLAEGCEAALQDFNKHSE
DTYAKGLSVSPTVVLPHFQW

>comp14390_c0_seq1; 474 296 1687 LEN=1907; translated
MWQKQRRVTQISLPPSTKCTTSNCFLIAVSFFILALKIDGVVGEDSDSYNEDAEEKQRVH
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AVCASETRRKQYRKKNRKAPKVASVLPKSKTGKVAEGYASSITDYVREEDIERQRQQLGM
ECASSEQQHTDYRMLVVYTVPKESPNSPMCCNPIENEMVINCA NSFSVNSCAPDVL EIEE
VETYRSRSLPPNRKEGQNYRQFKHAMKGSTTSSYIPRNDDEYFRWFQTTNPKGIDSDID
LILLKGEPKSACTPELIESHLEQIRIGGKTKSDKRKYKSVSMVGIALVVTIIVLALVCV
VEVLSMPNPEIQRPIGFTVLGVYFVMSIASAYLFAKLRFQYKQDVFLSAFSVPLVDRPQ
ATDRNV DANANLRGNASDGADDSIALNSIRHHFPSRTEERLLS

>comp14391_c0_seq1; 424 700 1653 LEN=2105; translated
MNGGGRSKFGASSGPGSVQTIIGGVINHGKEDLWSPSQSNHYHATLQKGENTLEASLARV
LMKSIVATNGKFDADHFRDAYVRFMTTPGSHNDTYASTCHRMFFANLVFRRLPPKDCPDN
DQHNVDTIDGLVLPTIVALAGSFRGGSP E IERSASDCAA VTRRSTVLERIAASWSGVVVE
AVRSPSDEGFREALDRFSMETIRRRPNDRVRDDTTMSACYLGSSLPGLIDMVAKYSPTSG
STDPGDRVWEGLLANANVGGENVHRGSSMGAILGARAGAARLPSKLVAGLYPRSELEAEI
DDFVRAVMPKPSQESHQ

>comp14391_c0_seq2; 498 181 1413 LEN=1865; translated
MGIFSTFQKKTVAGSVVTGNAPGRHASSVASGSELEDRLRGALWGFLAGDALASPTHWFY
GGRRQV VSEYGHAITDYTKPNQHLSGSILNKSDMNGGGRSKFGASSGPGSVQTIIGGVIN
HGKEDLWSPSQSNHYHATLQKGENTLEASLARVLMKSIVATNGKFDADHFRDAYVRFMTT
PGSHNDTYASTCHRMFFANLVFRRLPPKDCPDNDQHNVDTIDGLVLPTIVALAGSFRGG
PEIERSASDCAA VTRRSTVLERIAASWSGVVVEAVRSPSDEGFREALDRFSMETIRRRPN
DRVRDDTTMSACYLGSSLPGLIDMVAKYSPTSGSTDPGDRVWEGLLANANVGGENVHRGS
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>comp14392_c0_seq1; 528 75 2344 LEN=2886; translated
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IYRXTAMKSRKPKQKEQSDRQGHYSGPNETKEKNGTNGERLLEPHGDSGVSKIETN
TARDRTANLHTGRATLSNHPVTAREDEHSHKPHAPSPHNPPFIYFPLNYSFPPNNQF EAP
NTN NYKYTGP SHYLPGHSYPPRHYFSSYHPSFCAPAFCAPAFYAPARMAPFDDKTYVAS
NSNSNIHKNKEVIRPLAVKTTSDRTNPRRRDEEVLPRPSPPA CLAPPVPPPPPTSYNSGF
FLDRLGKSTHRHRHFRFYDEDDSAERAQAHG YDHDYDHDGCTSSAATPQRSNQSATVASR
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GPEYAPQYPPQAYDQRYFSPSPPPPLPDYRQGYASSNSFSLPSGSPSPPPAWCEGG
NDEGSRRRSPCVRHSGHPVSTPGGFGRSGCPSPHTPAAQGSIERPETPCSDSSENAISRV
TPVGKDGRRKVSPEAVRINFASSTKAI VTPGDKRKTSASTFLPSLFPVELRDTDIVCGR
GAPTNYHAGNEEFRQLVSEYQTDYFIAKRSEKPNIAMNIMEVLQSRGARFVRRQKGRRTT
PTPQGGNTKGASSPSQWVEVPSKIAYEKVCQALRERTSNIHKQMLSTPSLVNTMRTSRIQ
NVLGCNSRTPGRHSGGRINKGGTAIDEGKENGDLAN

>comp14393_c0_seq1; 136 1 689 LEN=999; translated
XIGDWDVSSVTEMYDMFRDSAFNQPIGNWNVSSVVTMNMKMFHNNVDFNQPIDGWDVSSVT
SMNLMFDSAKTFNQCLGSWGSKTPSSVVVNDMFVLTGCPGEWEPNPNRGPWCQTSKESCG
TLCTNKSSFKSEGKRMTCEELQDLGKNRKKMCRKKRVGKACPGVCNTRCVCKDRAKFRI
KKNENHDFKGYECKNVGKDEKQPS CETELKKRRLVKDLCEKCGYCLA

>comp14393_c0_seq3; 164 1 527 LEN=527; translated
DWDVSSVTDMYRMFEYNEYFDQPIGDWDVSKVTDMSYMFYQNKVFNQPIGDWDVSGVENM
ADMFLYGNKFNQPIGDWDVSNVTNMYGMFLGGKIFDATR FNQPIGDWNVSKVSNMGLMFK
GTSHFNQPIQNWVSSVTTMDGMFMYFFNQPIGDWNVSSVKEMVSMFHYNRVFNL

>comp14394_c0_seq1; 554 464 2500 LEN=2582; translated
MIRVEAQARSAFAIRSGSIFLAFVGSQNHLSAFSGIRQSIHGAKRELRSGRIQTTTAS
PCPLAFPPTKPLVCCQFRVYSSSLNALRKNGGDGS MRSETEESIPLVFLHGIKGSHLAF
LGTKGDVKPQRSWLTGLGLLNFPDRDDHDPERDISLPLSYTFQKADGDGNTITSAPIQDK
GRHFVDGTVDHVVELTGMLPGKGGALLSNTGNLDFPFYGHATKFLKVNDAYNANTDRN

GCGNRNEIGSDTDQEQDGSIAKIMEPRPRTTFSYDWRRLNSELSEEFHEFCETEFPGGR
PVQVVAHSLGGLIAYTAMKKHPEKYKPGGVLVGVVFGTGIQYFQDMHKGYFTELGTCTCRQF
LPPVQFTFSSHWMFFPQIQEDI GDSFVDVSEYFSSDGESDDDTIAFEADRSTIGKKISSP
ADDEESKWRPASP GKPIEIDFYDPDEWEKNEIGIFDPAYRHKIDQDDKGI SEYKQHMKL
QLEEARAWRNTVLAPWEDEKVARKKMPPLTICSTNSIPTVNQILRRRARRARATSDAAEK
FSRSLLSLLEKATKQEGKVAEAKSFPRSFLSLLEKATEKDNLKKDKIPACQWEYDYASGR
TVPDGRIDYDKSFPPLGTLFKTVDLGSLHAKQFCWEESGGDLGKVWKEVNEQLKEYQSR
DSAERVKKKDSLHPTGRR

>comp14395_c0_seq1; 540 1 2318 LEN=2642; translated
XTTTDIDPYLISLCRQLES PRDQINLGQSEGNCSISLGFLSLSIYTSFELKYLSSSLGK
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YHLDDTII EERENNHYNDYCEDIGEIPNNEHLNENHASSTALDERFLKALLPLQHVVLRG
ITPSRALDIAVFDEKNRAISCSWEYLTLNENCDLTGDNTTWLTQC IANLKKIEIENCQLSE
STMKFLSEAYLTI STPRFATSRESHGHRGRELRRKNALEVL DLSNNDWLLPTCDVGLEV
DNDCQISTPEYFDAYGVQPERRKALPSPSCMTLLASWLDLSNLIELDLSNPNQLFDRGM
SGNCNRSMIDLCGTVNQSLKRLSLRNCCLIPNDLNHLVNTFCWLEGLDLSENPELSSDLQ
PLSQLEYLTELVLNMFVNDSDNSFEFERLLCDEDFGICTLEQGLIDLLHDLLSGESSNF
DNLGGNPKKSDFGQLRRKPLERLNLSGNILSKKTMNILSMFKSLKILILMGCQINGEGIL
ELLSATHKDSLRELYIGSNTISDTGVLALAKSLKRQRLPRLKVLDMESNVISVEAFRVF
VEDGLIHNKRLEFVEVSSDGAISHNQQKTWNELEEIMNHNLLL NQAGRFTLYIDSNDNGN
KNTDCEIEILHEFNNGRDTVNPEKNCVPMMTVPTNLWPF ILEDADAIYGPDALFYFLH
KRPDLIFSSKLPPQTL SKIDTMQSADSLTTPIKSAPQTSSPKGVADVAAYL

>comp14395_c0_seq2; 540 1 2318 LEN=2627; translated
XTTTDIDPYLISLCRQLES PRDQINLGQSEGNCSISLGFLSLSIYTSFELKYLSSSLGK
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YHLDDTII EERENNHYNDYCEDIGEIPNNEHLNENHASSTALDERFLKALLPLQHVVLRG
ITPSRALDIAVFDEKNRAISCSWEYLTLNENCDLTGDNTTWLTQC IANLKKIEIENCQLSE
STMKFLSEAYLTI STPRFATSRESHGHRGRELRRKNALEVL DLSNNDWLLPTCDVGLEV
DNDCQISTPEYFDAYGVQPERRKALPSPSCMTLLASWLDLSNLIELDLSNPNQLFDRGM
SGNCNRSMIDLCGTVNQSLKRLSLRNCCLIPNDLNHLVNTFCWLEGLDLSENPELSSDLQ
PLSQLEYLTELVLNMFVNDSDNSFEFERLLCDEDFGICTLEQGLIDLLHDLLSGESSNF
DNLGGNPKKSDFGQLRRKPLERLNLSGNILSKKTMNILSMFKSLKILILMGCQINGEGIL
ELLSATHKDSLRELYIGSNTISDTGVLALAKSLKRQRLPRLKVLDMESNVISVEAFRVF
VEDGLIHNKRLEFVEVSSDGAISHNQQKTWNELEEIMNHNLLL NQAGRFTLYIDSNDNGN
KNTDCEIEILHEFNNGRDTVNPEKNCVPMMTVPTNLWPF ILEDADAIYGPDALFYFLH
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>comp14396_c0_seq1; 958 81 1829 LEN=2871; translated
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PNQALVAPGEVFPFEALVVAQGFLATPPFGRLSAIDLANGE EYIIDQSIGLGPQSRAYHN
SVFYDMDGDGLLDIVTVRTGERVFP PPKPPTAGELVWFKNPGAGLQKDV EWE EGVLDGL
GPDIEITNYDLGDGVPEFIATHFFTGDKITVYGVSDLMAADGGSSETPDWPSVVS GKAT
IRSDVSTDQGKPFVKIVDLDD DGRVDILATNHQSDNCAFPTDIPGRVYAITPPSDAQD
LYDASKWTRVLLDGIYPQSPPGSRASRLAPGKALS FYPSKKEELQKGRPWVVVGGDEA
GKVWVFRPKKYSKWGYDINIIFDINDFYQGTTQANLPDKPLITVSTIGSVATRYDR TDE
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>comp14397_c0_seq1; 181 357 1409 LEN=1727; translated
MKRVDGVLVQNPPAMPLLVVVVLYCSLMSMLRGYRPAFIIDWHNLGFTMLAKSSMIFATI
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TKIHGKVCAGCPRSRYQHLDPCYQTLFTEKNLKVGTNEFDEYGRSGRPALITSSTSWTP
DEDFGVLLKALERLDGTLTELKSSLKVVVVVTGKGPLKGFYQKEISMLKFKHVAIVTLWL
EPADYPRLLACADVGISLHTSTSGIDLPMKILDNFGCEVPVCAFNF PCLKELVEDDVNGK
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>comp14397_c0_seq2; 181 511 1563 LEN=1881; translated
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TKIHGKVCAGCPRSRYQHLDPCYQTLFTEKNLKVGTNEFDEYGRSGRPALITSSTSWTP
DEDFGVLLKALERLDGTLTELKSSLKVVVVVTGKGPLKGFYQKEISMLKFKHVAIVTLWL
EPADYPRLLACADVGISLHTSTSGIDLPMKILDNFGCEVPVCAFNF PCLKELVEDDVNGK

IFNSISDLHDQLLVLLSPLDKYPGSWPPHSFGDLAKYSRKL MGRKKWDSNW
>comp14397_c0_seq3; 181 511 1563 LEN=2049; translated
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TKIHGKVCAGCPRS WYQHLDPCYQTLFTEKNLKVGTNEFDEYGPRSGRPALITSSTSWTP
DEDFGVLLKALERLDGTLTELKSSLKVVVVVTGKGPLKGFYQKEISMLKFKHVAIVTLWL
EPADYPRLLACADVGISLHTSTSGIDLPMKILDNFGCEVPVCAFNFPCPKELVEDDVNGK
IFNSISDLHDQLLVLLSPLDKYPGSWPPHSFGDLAKYSRKL MGRKKWDSNW
>comp14397_c0_seq4; 181 357 1409 LEN=1895; translated
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TKIHGKVCAGCPRS WYQHLDPCYQTLFTEKNLKVGTNEFDEYGPRSGRPALITSSTSWTP
DEDFGVLLKALERLDGTLTELKSSLKVVVVVTGKGPLKGFYQKEISMLKFKHVAIVTLWL
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IFNSISDLHDQLLVLLSPLDKYPGSWPPHSFGDLAKYSRKL MGRKKWDSNW
>comp14397_c0_seq5; 170 357 1523 LEN=2009; translated
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KTFIEKQFRINASKIYVVHDCPSSMFYPRSAKDNHALM TKIHGKVCAGCPRS WYQHLDPC
YQTLFTEKNLKVGTNEFDEYGPRSGRPALITSSTSWTPDEDFGVLLKALERLDGTLTELK
SSLKVVVVVTGKGPLKGFYQKEISMLKFKHVAIVTLWLEPADYPRLLACADVGISLHTST
SGIDLPMKILDNFGCEVPVCAFNFPCPKELVEDDVNGKIFNSISDLHDQLLVLLSPLDKY
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>comp14397_c0_seq6; 170 511 1677 LEN=2163; translated
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LSSKDSSFVHLHAKNDLKN CIRKGF TMLAKSSMIFATIARFYEQLMAPLATSHLCVTDAM
KTFIEKQFRINASKIYVVHDCPSSMFYPRSAKDNHALM TKIHGKVCAGCPRS WYQHLDPC
YQTLFTEKNLKVGTNEFDEYGPRSGRPALITSSTSWTPDEDFGVLLKALERLDGTLTELK
SSLKVVVVVTGKGPLKGFYQKEISMLKFKHVAIVTLWLEPADYPRLLACADVGISLHTST
SGIDLPMKILDNFGCEVPVCAFNFPCPKELVEDDVNGKIFNSISDLHDQLLVLLSPLDKY
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>comp14397_c0_seq7; 170 357 1523 LEN=1841; translated
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YQTLFTEKNLKVGTNEFDEYGPRSGRPALITSSTSWTPDEDFGVLLKALERLDGTLTELK
SSLKVVVVVTGKGPLKGFYQKEISMLKFKHVAIVTLWLEPADYPRLLACADVGISLHTST
SGIDLPMKILDNFGCEVPVCAFNFPCPKELVEDDVNGKIFNSISDLHDQLLVLLSPLDKY
PGSWPPHSFGDLAKYSRKL MGRKKWDSNW
>comp14397_c0_seq8; 170 511 1677 LEN=1995; translated
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KTFIEKQFRINASKIYVVHDCPSSMFYPRSAKDNHALM TKIHGKVCAGCPRS WYQHLDPC
YQTLFTEKNLKVGTNEFDEYGPRSGRPALITSSTSWTPDEDFGVLLKALERLDGTLTELK
SSLKVVVVVTGKGPLKGFYQKEISMLKFKHVAIVTLWLEPADYPRLLACADVGISLHTST
SGIDLPMKILDNFGCEVPVCAFNFPCPKELVEDDVNGKIFNSISDLHDQLLVLLSPLDKY
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>comp14398_c0_seq1; 189 616 1254 LEN=1686; translated
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>comp14398_c0_seq2; 189 467 1105 LEN=1537; translated
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VFLGWQVVYTLPHSAELIRIPMHNAGTTIWIYALILLAGFGMSNVVHSYTYFYTLHHPGG
ATSAGVMKGVQAVLVFVLTNLLYCNRIGGPEMCF SNGK FISCVTVTGGVIGYGHATKQAL
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>comp14398_c0_seq3; 189 791 1429 LEN=1861; translated
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ATSAGVMKGVQAVLVFVLTNLLYCNRIGGPEMCF SNGKFISCVTVTGGVIGYGHATKQAL
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>comp14398_c0_seq4; 189 642 1280 LEN=1712; translated
MTATDSVNMGEDVLKGSLLTILGSAMHGLTYVICEAVMTVGEERLTAAQNNFVQGSVAGG
VFLGWQVVYTLPHSAELIRIPMHNAGTTIWIYALILLAGFGMSNVVHSYTYFYTLLHFPGG
ATSAGVMKGVQAVLVFVLTNLLYCNRIGGPEMCF SNGKFISCVTVTGGVIGYGHATKQAL
ATTAKDGKEDDAKKGSEIEPVDETSKLLSMSP
>comp14399_c0_seq1; 591 124 2249 LEN=2798; translated
MSLVSERSNPSASRLSGCSKRTVAIDEDFYNSIGRAYSSGEDDDSDGAYDDDGGISTENL
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TGQSNLHEPYRKVPANPEAPPTAFVSDVEPQAALSCAGPLVGAIASCEARSAPDAMDDAE
QGVGGSMDVLERRTCLQQQEQPMEIEESCPRKSFGLEDRIDKARISGSNDGDSYHGSIS
TASSINKDRGVEVRLWICDRVDGTVCVSDEEQQRFPERDTRPPCFLCLPSPILTIFPWL
LEENLFCVTVGKFGFFGRGYRGEAPSRHGKTIQSTTADESEAVDIDVGFRRTRFLMHNLR
LNLGFLVTVLATVALTKSSAGLLELASFGRTNLPDSNYKKEEAGSVASSPVNLYMGLLA
MGIDNPNGIENGSSRRTKVVPFQDFCTTQGIDQFLPEDDCHKCAQISVWIIIVGFVVILLS
YIPTFTTGTLLRLYEHYDMNC SKVWAGFWSFLGLVGYAVVLYCYSGVCLES LYHGEM IYTG
GREVYTS DQFESIAGDPDERIVRVTFEWMGIGQVLFVGFALKAVDFVANCCIATPAIT
RSRSAQWDYEDLSLLTKKNAEVXMSLLPQDRTRSENPEPSRGGSKPRTAVGF LCPGGKS
PSSGDPRRGYRCSGGQTAEPLGFIVVAIDGAAAAVAISNPVCVPPQ
>comp14400_c0_seq1; 771 180 1706 LEN=1805; translated
MLS YFSSSSNGAEDSNDSDCAAKTEEISSEVLSSEPDCSATQTKSSPTAASFGEAHDVYC
TKHGTLRASIHQVLTEACGKNEEIPWALPKRNQPSVLVEANEVAEFLLSKRGNNNGVAGT
KAAATTPQKQSFASSLLMSPLKVVS AVASMMRDPDDD VDEWIQEGDDALLDDGDTGNSSS
GSSAALALNVPVANPGATEAAIRCLEDEIETH TLEAPCVMGFSEWNAWARSALS KHQGNK
EYQLSADDNDFLLRVLVGLGKACIIRRQDQAPKGLDLVVLSTAAMSKIDGSDDCVPEKL
RIPVCLWDIQKAEAKIEKNLHDWSDQAAACTKKALQYKKKHQTKLATIQLAKRRAIQQRI
DSDSRLQLQLLQTKNAIESAQSNRSMVDIMASSRLLKQLREETPLEEIDDTMDDLQSEL
DDL RDVNNTLTSVNGNTATMGKDEEEELLRELEGLTVTSDPAASTPETKATPEKESSCAV
PNVGTGLTETLQTSAIRDAITEKIPDLA
>comp14401_c0_seq1; 309 168 1199 LEN=1636; translated
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IQKAFGGGIPGMNYVMTMLRSYFAVDNRYVVRKMGKVLFPFTNKQWRRDQVEGPEIVNYA
LPHSDENAPDLYIPIMSLVTYCLLSAFLYGTAGKFNPEVIADVISKFLTQIAEVLVIRG
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LKT MANNIPTQTASTG PQRDVVVLAFAASQVATMWFVVSQTKYL
>comp14401_c0_seq2; 140 767 889 LEN=1326; translated
MANNIPTQTASTG PQRDVVVLAFAASQVATMWFVVSQTKYL
>comp14402_c0_seq1; 757 156 1532 LEN=1773; translated
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LDAGCTHIAIDGTNLEALDAARIPRERIVASFGSIESCGKDEITAALALAATISVPVTNL
EQVDAMSSVPDAHDKVI FELSSPDDAPATLEFIAAIAKKCKDHKGKIALVDPDATILGK
SYCACARTDRPDGLYTTVVCTRNNEALGLVYSAVESI IAAFECARGVYWSRSRGG LWRKG
DTSGHFQTLHRLDVDCDGAFRFTVTQRGDDVVAFC HLHTLTCWGE PNGLRHLEMTMQDR
LKNAP EGSYTKR LFD DPELLRDKLV EEAQELSEAETKEEVAGELADVLYFAMARAVKAGV
SIDD AVAVLDGRTRKVTTRKGD SKAFRIEEGAKILAKK
>comp14403_c1_seq1; 212 1613 2183 LEN=2183; translated
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SGDSALVMGPGSAGKSTLLRI IAGLTDADAQR IKLFGIAQDSFASMPRWRKRVRVYPQTK
VEIPGTPNDFIRKISSFGTWNKNKNSVDDSSSLYLEMESTVTELTTSWIGIGINLLNSEWKF
LSGGESQRILX
>comp14403_c1_seq2; 303 1 1132 LEN=1273; minus strand; translated
SHSDYDILMMPICYDKKNMVM DLLS QASRRAHHCNMTEYRFCIARQLRLTFFEFGFSRT
SAQAFASYGKLLQSDNDVKNALRMAGLAREIMAKTDEISSMKSETLFVVGYWIEAWSY
PREHVMETLQEAHSAGMAKGNIEIGFQCIVFCNIIAQSSGYPLEPVEKTGAQLIQQLSLY
NVE SVLTYLMASRVSVLCLMGKRKIDWNELEPPEDVGRGESDYTTVFSLISRLELGVLF
GNIEFAVRMSESISSLVGFERSYIVVAKNSFILDLLIGAVMKALNEDDLADQYLNQACKL
WKEYGAHV KVRQLSLQRNPSATEEHEPSVSFRSNFLNSKDISKSCAAVDLELLLVGIEMKK

DIKFDASKSDLSFQRS

>comp14403_c1_seq3; 78 1 397 LEN=397; minus strand; translated
XTIITVRDVLILPSRDHRIHACAFVEIYASLIRSFWPGSWDIQIATERSLVQNSLTVFST
CIFLVWSSADVDSSSRITLFSNEANEIAIRILCDSPPDRNFHSELRRLMPMPQLVVSSV
TVDSISKYKEDES

>comp14403_c1_seq4; 212 1367 1937 LEN=1937; translated
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SGDSALVMGPGSAGKSTLLRI IAGLTDADAQRIKLFGLAQDSFASMPRWRKRVRYVPQTK
VEIPGTPNDFIRKISSFGTWNKNKNSVDDSSSLYLEMESTVTELTTSWGIGINLLNSEWKF
LSGGESQRILX

>comp14403_c1_seq5; 368 1 1380 LEN=1521; minus strand; translated
SHSDYDILMMPICYDKKNMVMMDLLSQASRAHHCNMTEYRFCIARQLRLTFEFGFSRT
SAQAFASYGKLLQSDNDVKNALRMAGLAREIMAKTDEISSMKSETLFVVGWYIEAWSY
PREHVMETLQEAHSAGMAKGNIEIGFQCIVFCNIIAQSSGYPLEPVEKTGAQLIQQLSLY
NVESVLTYLMASRVSVLCLMGRKIDWNELEPPEDVGRGESDYTTVFSLISRLELGVLF
GNIEFAVRMSESISSLVGFERSYICGSKELFYSGLAYLELARKTGSKKYERKAMKFIKTL
RYFCRTRGLNALHKCLLLEAEVLSLECHDVQKLTAKAYDEAIIAAVKIGYTQDAAHGSELT
GAVMKALNEDDLADQYLNQACKLWKEYGAHVQVRLSLQRNPSATEEHEPSVSFRSNFLN
SKDISKSCAAVDLELLVGIEMKKDIKFDASKSDLSFQRS

>comp14403_c1_seq6; 212 1464 2034 LEN=2034; translated
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SGDSALVMGPGSAGKSTLLRI IAGLTDADAQRIKLFGLAQDSFASMPRWRKRVRYVPQTK
VEIPGTPNDFIRKISSFGTWNKNKNSVDDSSSLYLEMESTVTELTTSWGIGINLLNSEWKF
LSGGESQRILX

>comp14403_c1_seq7; 212 1445 2015 LEN=2015; translated
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SGDSALVMGPGSAGKSTLLRI IAGLTDADAQRIKLFGLAQDSFASMPRWRKRVRYVPQTK
VEIPGTPNDFIRKISSFGTWNKNKNSVDDSSSLYLEMESTVTELTTSWGIGINLLNSEWKF
LSGGESQRILX

>comp14403_c1_seq8; 212 1296 1866 LEN=1866; translated
MSVATPSRGGKESENIIVLSLDRLCHGFKVGEDEESNAKENYKNESTTRILFENVSFKLY
SGDSALVMGPGSAGKSTLLRI IAGLTDADAQRIKLFGLAQDSFASMPRWRKRVRYVPQTK
VEIPGTPNDFIRKISSFGTWNKNKNSVDDSSSLYLEMESTVTELTTSWGIGINLLNSEWKF
LSGGESQRILX

>comp14403_c1_seq9; 212 1516 2086 LEN=2086; translated
MSVATPSRGGKESENIIVLSLDRLCHGFKVGEDEESNAKENYKNESTTRILFENVSFKLY
SGDSALVMGPGSAGKSTLLRI IAGLTDADAQRIKLFGLAQDSFASMPRWRKRVRYVPQTK
VEIPGTPNDFIRKISSFGTWNKNKNSVDDSSSLYLEMESTVTELTTSWGIGINLLNSEWKF
LSGGESQRILX

>comp14404_c0_seq1; 377 256 1620 LEN=2265; translated
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LLPWYEASIMALTDDPAWESEDGIQPSNAAHIRKVLITRDMIDVFSVPVFPDTPVGKQK
TKKHKTAKQTEHEKDRSLWKKLRKMYRQGYQKMGELKDLEDLTYSNKLLATRVDVAVT
EWKKEFIAFQRKYRIRHFLYEP LSSGGIDPNGCYHDASHLFWADTEGSELP SGNSSGV
GSLRNLGTVQLENSLGYLRLIRSYESVLSRDHEIHFNLRKELRIFLDEYGFVSVLVPS
TNATLSTADGHDDDDGDDSP LGEAMGILNHAQSKLGHINDKWTALDIYKSDDSHKKHWGS
MATKIDKLWEEFLDWEHRHDLEGEIEFVLEEMKQ

>comp14405_c0_seq1; 594 212 2365 LEN=2918; translated
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KQVDDLFISTVEIPEGTEDEDDDFIATVEQHEIDKLFERNAGN KINGIQKVS GEEAELP
LSSEQTKPADSRIDGLLQRNGPPKRTNSSDSNGSGGDKDNNTTQRPSRNSINKISKQEP
QRPVSMNRHPLKQTKGSRSPSFPVSSPPSESSYPSSGPSTSFSEMPSLSPSGMPSQSL
NPPSLSMENPFLIAEGMVFAATQFSPSEPSIAIESDASSILAGASAGLDPGSNSGVDDNK
SWSFQFGSDFSTAVFEKPS SPLPLVSPCPQTYEAGDGTPCVTSNSSPSQVCFYDFSVG
CTWATLGCSPKVRCDGCVPMGGDTYEGLWSCTKITPVEESSCNLRRSAGLPELGETCDPD
DMLPTPTTTTTTTGALPVAETAPHSKYPIGTCPHQPGLGSCDIYSDEYRCNYDFVYTG
SWDAIACTPSITCDCNDGAWKCAGNFVSPCLYNDGRLPPEGLPWGKTCDPIDPLPTSLKK
SECPESFELGKCDEYEENLECEFKHVYKGTWNALSCSPAVECKQDGNWQCSADFAEPC
EQGLVTPPEGLPWGQECDPYGS LPFMEAPIVATSPTSAMTTQLRTTEPSSTPTSPPSAMP

TKLRTNEPSSSTPTVTPTHSFVDQLARECPDTFQFGECYQTYALNLQCAVDYVYNGCTW
>comp14406_c0_seq1; 554 1 1199 LEN=1475; translated
XLFRSGTQTLDIVDACPDNFDVVDALSAGTNSKLLTDQVLKYTPKIVSMATEKAAKELKSN
LEDAGMKNMPTIMHGEEGILAAATIDTADTVVTGIVGSAGLLPTIEAIKLLKDDIALANKE
TLISGGPVINPLVKEHGINMLPADSEHSAIFQCLQGVPEGLRRVILTASGGAFRDFSKE
ELFNMCRDDPRAVQAKATTHPNWDMGAKITLDSATMMNKGLEVIEAHYLFGASYDDIDVV
IHPQSIHVSMVETKDTSCIAQLGWADMRLPLVYSVSWPHRLEMPYKPLDLAEVSQMTFQK
PDHDKYPCIALAYEAGRAGGTMTAVLNAANEANEIFRKDVGLGFLDIPKLIESAMEAHK
DDHKVNDVTLDDILSCDEWAREFVMEKSETMKTELLLP
>comp14406_c0_seq2; 741 106 1545 LEN=1844; translated
MKLSIALSLLLSAAPATVAFAPVSSTAPSSTKLNVSFSGSAGTGDGWIEPSAPVNSEESLK
LTLEKSLGSSSQKRLSLLGSTGSIGTQTLDIVDACPDNFDVVDALSAGTNSKLLTDQVLK
YTPKIVSMATEKAAKELKSNLEADAGMKNMPTIMHGEEGILAAATIDTADTVVTGIVGSAG
LLPTIEAIKLLKDDIALANKETLISGGPVINPLVKEHGINMLPADSEHSAIFQCLQGVPEG
GLRRVILTASGGAFRDFSKEELFNMCRDDPRAVQAKATTHPNWDMGAKITLDSATMMNK
LEVIEAHYLFGASYDDIDVVIHPQSIHVSMVETKDTSCIAQLGWADMRLPLVYSVSWPHR
LEMPYKPLDLAEVSQMTFQKPDHDKYPCIALAYEAGRAGGTMTAVLNAANEANEIFEKDV
VGLGFLDIPKLIESAMEAHKDDHKVNDVTLDDILSCDEWAREFVMEKSETMKTELLLP
>comp14407_c0_seq1; 632 186 2222 LEN=2291; translated
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AVRRILLAKSWPSEEDFNLSLRLLLLAAAEKKADEAREKDGGVSTSKCPVPRPILNLLTRSS
SSNNAADGPASPTKTRTNQEVVADQIVAFRERYGSLQDYNFAEAYLESILSLATTGEESE
RVKEVFQSRTYLRSYKRVLSVLQSVGVVLEEIPDAKRFKIAKLLKQDNICLSMIDTLRIR
EEIANPTKAIDEAAEVEVEEENDTDTVTDIDIDTTESKNEVESKNSTKGKNRFKFWKKDK
KEGPKPEEEIASSDEESAKEPSTPVSENRFVSSDEPSMTRQLNAFVSNIVRRVLLFGGDQ
ELLILSETLSGNDKTFVDRWYPTDGPTEKMEDELRPVQYLNALVSLREAYNEGIVTD
LNPLTSVSQSYSNAYERLIASLVEDGSGYIRAEADVMAMPKPRATEELGRFAVWEAAFR
SKDESTSFDDLEGTWEVKDEVGGETIGVSTVKLLPNGEVGVAAAPLQGLQWRLDPGPHL
DTCTFQVLSGDGTVLQYRGFIDRGARLEARFSGRPIRIRGSMVFQMRYLGGGPDYWKETL
PVNYLEGATKFEMKKTVA
>comp14408_c0_seq1; 956 426 2285 LEN=2622; translated
MFNNNNNPGGGNPPSNTGIGVDFGGSGVHSGHGRGNSPDDLMSMYHNVGGNDNMSA
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NMDNMDIALYRAKEKMMAMNARRAFLGGSEDKFGSSGMGMGLNGPSFSGDDPLTGIGM
KRHSPSEDLKLSGSLKGRKRRKTKKPVDMPRRALSAYNIFSEQREKILQEIDERDAAK
KKKDDCTEGDKQTEGDEDKTSKIKSSDSTDVENQDEQENTSPAKGNQDKDDGSSSENKEK
GEKTTKQDPEEGDDKDDKGEVDVTKEEVGKSADDEAKKKKDSKSEPKVMNRTFFPTRA
KRAHRKVHGKIGLVDLAREVSRWKALDQENRAHYESLAEEDRKRHKQVMAEYQERKAAE
NMLSMGGPGEDEKDGKSKEKSSDNPNQAQSKSEQDIRETITHHHQQRILAEEMMARQAGDP
LLGSGSNMGSNFGMNLNRFGGGMGNRSMGGMNDMQSILDLQTRAMMMQMRMMSGMGMG
GMDTMEGMGGYGMGGSGMGMGNMGGSSMGGNMGGSGMGGSGMGGSGMGGSGMGGSGMGGH
MGGMMSGMGGMGGMGPSL
>comp14409_c0_seq1; 182 1 953 LEN=953; translated
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SDGNSTPIAHRSWHEPSIIDSASKKSEIDWTDSEIFSRGWDNDPIVIESHKLLFFFTVP
KNACSTFKRFRMMGHQNLQASPHNPSKNGLKYLGHYSKDKQREFMTSPEWTRAI FVR
DPLERTLSAYMDKGMKTGPLDWQPTVVRGAHIKRACCSRTKRQIAACREFPLTPFKIDLTP
QNFPPDFVVEFMRQCKDQSHWQPQHLRMREENWKWINFVVGKFNKQNDTRLLERIGAYD
EFGASGWENSEEESGKNV
>comp14410_c0_seq1; 749 91 2307 LEN=2335; translated
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LNLENIIAVCNKAIKNDLDERQLWQFMQVIFDADARQQLNLTLYDPTIIATKVSAY
QEESENGCSKTKSEMSLATQNIKESLMVGNFDAAVDCCFRGNFADALLLASC GGDLWA
KTQERYFASQSQRPFVSVGAIIRHDLASLVQSDSLGNWKETLAILSTYSKSEFPPLC
VALGEKLEAAGDHSNASLFCMCSLNKAVKYWRMQLTKQNASEGSKLNLKAIHDFVVKV
AVFLQAAGSSESLDAEFEEIFSIYAEKLAEQGLLVTAAYCKGNSTSSKILRDRLYRSKA
SQKCLAAMGGIAPEFPFSLADVKNQRAATSNSQAGQNRSYGRTEKSNMSRSRGGNTAY
AQTKHTNSLQQTQAPAPTVPVSALPTGWIELVDPSSGRPYANQATGEVSWDKPQAAPVPA

PTPTPVVPQPTPQVRAKPTSAKTKNAKMASKYGDGFVTSASHPELASQYGNVGTSPNYHT
TGRPGTATVGTSDQGKAPVSGNLDTMPALRDEYQPIPDTLALIEALKGGQLSSVDKRQL
TEAQKAVAI FSKRLALGDISDDTANQMLTIKNQLSEYDWSSASATMSSLVTNEWKEHKEW
LKGIKSLVQLATKMYSR

>comp14410_c0_seq2; 797 98 3202 LEN=3230; translated
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SQHVSQVKSQVFSPLVPSQLATGGSDGKVLIVDLNEPKSPPFMPCANSSQQRSQITSLA
WNTQVAHIVASAARDGTVSIWDIKSRKVVCDLQAGDQAI SDVEWNPTQGFHLLTASNDDR
NPLIKLWDLRSSTTmplatLTGHSQGILSMSWCPHDEHLLSTGKDNRTILWDLYTMAPI
GEIPTDSIESQQASGTNEQSMFGLASSQQLRFDVKWSPINRGIVSTASLDRKVQVHSILN
LAAAGRPPKWMRPPSSVSCGFGGVI VSCGATDKVVRIRTVAEEPELEKISRKFETALNLE
NIIAVCNKAI AAKNDLDERQLWQFMQVIFDADARQQLNLTLYDPTIIATKVSAYQEEES
NGCSKTKSEMSLATQNI VKE SLMVGNF DAAVDCCFR TGNFADALLASC GGGDLWAKTQE
RYFASQSQRPFSLVVGAI IRHDLASLVQSDSLGNWKETLAILSTYSKSEEFPLCVALG
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QAAGSSESLDAEFEEIFSIYAEKLAEQGLLVTA AKYCKGNSTSSKILRDRLYRSKASQKC
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HTNSLQQTQAPAPT PV SALPTGWIELVDPSSGRPYANQATGEVSWDKPQAAPVPAPTPT
PVVPQPTPQVRAKPTSAKTKNAKMASKYGDGFVTSASHPELASQYGNVGTSPNYHTTGRP
GTATVGTSDQGKAPVSGNLDTMPALRDEYQPIPDTLALIEALKGGQLSSVDKRQLTEAQ
KAVAI FSKRLALGDISDDTANQMLTIKNQLSEYDWSSASATMSSLVTNEWKEHKEWLGKI
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>comp14411_c0_seq1; 206 494 1537 LEN=1877; translated
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QIGASGTRSDPTSNILDDLTMGYSASPSRLLTERDPEEYALSPSSARYFRIVSLDGCRE
EQVSPLPDSSASSTSSLHHLNLP MIPGPIVSSLDGEDDVPCTVSKRTGDV FVPKTSRS
SKLSARADRKISDASSEKEATPNSRQRRRSSHNSQFVFDGNLSFGSVNSPPMYASPTT
RYLSPTS RAPSI PMYI SPKGMASLPDMSVVVNYPLSASLTMSPPPFDIGLCYEDGCHK
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>comp14412_c0_seq2; 481 62 1051 LEN=1137; translated
MSYNRSGRKAPGAGMTKRQKHNAEQKRSARAVGLTEFSQKRGQVRALEEFKRRKTRKHLE
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VVGSDSDSSDDSDSDSDDENNNKNSDEKNDNTYDEGKEPSGLPSAAADDDATMQK
PESNSNSNTNSKPSRKPKRSDPLARAREKAAENKRAAEARKQREASERERA EKLR YRKQ
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>comp14412_c0_seq3; 481 259 1248 LEN=1334; translated
MSYNRSGRKAPGAGMTKRQKHNAEQKRSARAVGLTEFSQKRGQVRALEEFKRRKTRKHLE
TSIALRKYRRLMKKEGLEAGTGASRKRPPGPETGDEEGGEAEAE AIDAGENWNDEEVP
VVGSDSDSSDDSDSDSDDENNNKNSDEKNDNTYDEGKEPSGLPSAAADDDATMQK
PESNSNSNTNSKPSRKPKRSDPLARAREKAAENKRAAEARKQREASERERA EKLR YRKQ
QTRLLQKRTRRGQPI MKHAINNLLHKLEKQQHQDQPHQPKERGETRKRPRTPRGNPQRQ
QQKGGVDHTKQERPAGDPPK KKKKSRKFY

>comp14413_c0_seq1; 238 144 602 LEN=858; translated
MDAIVAGVGA AVSFAMLHTVHDSVLAPQGLSCLCPPLGAVAVLLFCLPGAPASQPKAVIG
GHILAGLIGYAVVENSIPYGEAVALTITAMTFFKVHPPAGAYAFLYVNKGMGWKGIL
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>comp14414_c0_seq1; 450 316 2058 LEN=2163; translated
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ELGGVPRSGRYSSRDWCHNTLSL PNSAILRAIRGPVLFM SCWAGLLSILYRHL LV TNQTV
ANIMCISSTPHSLMSSALSLLL VFKTNSAYQRFSEGRKVWENITNLSRDMYRMINLYENE
MGRSKRRRLQRLIAAFPYLLRHRIRPNLIMYRVDDVDNVRDPENSIVLYQDKAAHDLDE
LAAVATQEEKEGKSRRRPLYWVDKRTL PWRLPPDAMESCASSQNRPLWVCDRMAQEI
RSIPDGP CFTSRERLTLIGKVEKLSNCIGSCERIHQTAVPLNYARHSLRALS IWLFTLPF
CLVQSLELLTAPAI FLVSWLMFGVYEIGYSIEDPFQGT LRLSVL CDTIRRDVLADEVIRN
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RSANGSGAIVEELPILPSKTAIWEGSSSKSEKQDRDAKRP

>comp14414_c0_seq2; 353 966 2159 LEN=2264; translated

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MAVRMKNSSPKTEEDYDKLYQPKTKTMAYQKNPATSRDFYESSDNSTNYEWKEERHSS
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SEFGLMRFLVNLDSLGNHFSSTLPSELGKLSYLSLQSLGNNKITGTIPSFLGLLTLNLQGS
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>comp14417_c0_seq2; 199 1 577 LEN=577; translated
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>comp14417_c0_seq3; 673 278 1907 LEN=1907; translated
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GDNHSENGISSKPKFGSSWGKVDYEKGECEESMTGEKENDKGTIGAQSVALDDGGDVFH
DAVSSQPEAQHEGSKASTVKNLIKFYDSFENQENEDYEHV DSTRENEYKAIKDERFHSQ
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VSVX

>comp14418_c0_seq1; 634 1 1647 LEN=2012; translated
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TAELEQTKRENDERLSEKNQKILKLKEYTEQMLDKKAAIERSMEEATAEITHWRALHAER
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N GPVAATLY

>comp14418_c0_seq2; 540 1 1850 LEN=2215; translated
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YHTKVVP IVEAKYQGLVDSYGYCKSYLRDFEKVSQESQVLKDNPPPAYLLESWQISCAN
PRESLGLALINGTLTLFALVFYRRLGVCWMRAFSLSLVLLPLRWTPLGWFLPRRSAAAG
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>comp14418_c0_seq3; 291 160 708 LEN=708; translated
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RNE

>comp14419_c0_seq1; 383 360 1435 LEN=1748; minus strand; translated

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>comp14420_c0_seq1; 927 232 2809 LEN=2952; translated
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GKAADYWSLGCIA YEMLNGLPPFSSKQGSKELFRKIMSEKVKMPPGSTAAACKLLKGLLN
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>comp14420_c0_seq2; 1039 232 2688 LEN=2831; translated
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VKMPPGSTAAACKLLKGLLN RNPDKRLGSRSTMFVEVGGVAGLKQQPFFAKIDWIKLDQK
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>comp14421_c0_seq1; 773 236 1777 LEN=1787; translated
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LSRVSTAPFSPGREDERKQESTKTNLEGE SDTDDAFLTQDNHDEADLAGE SDVIALQSAK
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DTDHVENS GEKSDSNNDYHDDHDDHDEGPGFNMVHDPETPLTVREDRAKKEME KIKEE
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NRDYESVP I GALVEASPDENGRSRARVKPLQFWRGEKLEYGAHNERGYIGKAFGDMP
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>comp14421_c0_seq2; 856 236 2173 LEN=2562; translated
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ANGEKLG LASPEVDFPPHEDEVEDDLGPPALPNDL SNDEDEDQE QALEANDGKDDVIGGL
DTDHVENS GEKSDSNNDYHDDHDDHDEGPGFNMVHDPETPLTVREDRAKKEME KIKEE
RRKQRRENNLESESEKDEDEDEGEPEDEQSKSTPKAEKSKRPK KKKR SVVFS PKGIPIA
NRDYESVP I GALVEASPDENGRSRARVKPLQFWRGEKLEYGAHNERGYIGKAFGDMP
VVTGIKKALPTPYKKRKPVKTSNVS RKSGSKNDVTDTRG SVADEKFN SKKLRRKYKYHDG
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>comp14422_c0_seq2; 271 105 302 LEN=334; minus strand; translated

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>comp14422_c0_seq3; 959 340 2226 LEN=2923; translated
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>comp14422_c0_seq4; 1036 368 2346 LEN=2346; translated
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>comp14422_c0_seq5; 959 550 2436 LEN=3133; translated

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THLRSLLAQQQQQQNMASQAPGSPSTSAKQEAHEQGKSHSENAAMIANVNEARSVT
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>comp14423_c0_seq1; 661 193 3186 LEN=3424; translated
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VLFYFFGNPSTPNYIPGDVCF S W W F D F AGRQLVMLELSRFSQAILVDGLIRKKKGF SKLM
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DNIADIVGIDLGNSNAPESRDNSRKGREFSVIRWSDIQFDEEDLSD EDSL TNEMASQGET
PSQDGRSKK IETEFYNQ GKPTQTLQGQK FYGSSTRFAMKSLLDKWE E PINKGLKSQDLFT
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VLKSI INPVFYFLLV TILMILEFNPM SMLVPLSLLLAGSFAFGSTCAKAFEGIMLIVG
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REEVVYRLSVRSIHPWQVSNRVYRDRGELHQFCNALS YKLDINYEVPNQRSIMYYGGHLE
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>comp14423_c0_seq2; 676 69 3132 LEN=3370; translated
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>comp14423_c0_seq3; 290 1 1031 LEN=1542; translated
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>comp14423_c0_seq4; 461 69 2939 LEN=2939; translated
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DNIADIVGIDLGN SNPESRDNSRKGREFSVIRWSDIQFDEEDLSDEDSL TNEMASQGET
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>comp14423_c0_seq5; 424 69 2498 LEN=2676; translated
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FVQACDTVYRKL RFFRASVGNSSVIDSVLKSIINPVFYFLLVTILLMILEFNPM SMLVPL
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>comp14423_c0_seq6; 424 69 2498 LEN=3009; translated
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GPWVTVYFHQSRGWPFVLSAWGFWDLI FLEGNSRFKQHWFYFTGLQIFSKQNSGAYILSS
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SSAELVYKRLKMLSPDSVVLNFSAFEFLLIQEDGSEDEIKKKKLVNTFHPDPDGAIDL
LSS FVQACDTVYRKLRFRRASVGNSSVIDSVLKSI INPVFYFLLVTILLMILEFNPM
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>comp14423_c0_seq7; 290 1 1031 LEN=1209; translated
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PTQTLQGQK FYGSSTRFAMKSLLDKWE EPINKGLKSQDLFTADILRFSDALHYMDLDY PF
NESFGLASTRNEMISSAELVYKRLKMLSPDSVVLNFSAFEFLLIQEDGSEDEIKKKKLVN
TFHPDPDGAIDLSS FVQACDTVYRKLRFRRASVGNSSVIDSVLKSI INPVFYFLLVTILL
MILEFNPM SMLVPLSSLLLAGSFAFGSTCAKAFEGIMLIVGRR

>comp14423_c0_seq8; 412 193 2622 LEN=2800; translated
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RPAVRGERP LLRMQSLGVSNN SFRSRPPSTNSLVS NRNSVQSQR SNRHSVAILQDYMQGR
GSSIGMQNSFRSRGSSRRSSEP VVKAFQNP LKGSANGVFQGRNQKARTLLRDLGKQKSD
YSFKAETLRDGD PFRFEVSRRHGNGKFD DNASTISFP ESSSDESIPNSEDYEGYPDEGLP
LLNNDKDLSEKWRARKLLKKN EWKAWKEFLNPVTVLQHLYDWFIRSTLLIAIPFFA ISF
VLFYFFGNPSTPNYIPGDVCF SWWFDFAGRQLVMLELSRFSQAILVDGLIRRKKGFSKLM
GPWVTVYFHQSRGWPFVLSAWGFWDLI FLEGNSRFKQHWFYFTGLQIFSKQNSGAYILSS
HYLRILFCMIIAGIARSLKETVLTLYFGRRMVATYKRKLQDIVDDVLVI SEVADLSMVS
DNIADIVGIDLGN SNPESRDNSRKGREFSVIRWSDIQFDEEDLSDEDSL TNEMASQGET
PSQDGRSKKIETEFYNQ GKPTQTLQGQK FYGSSTRFAMKSLLDKWE EPINKGLKVSTKFX
IQFGVFQLISLSILVYFSRSQSQDLFTADILRFSDALHYMDLDY PFNESFGLASTRNEMI
SSAELVYKRLKMLSPDSVVLNFSAFEFLLIQEDGSEDEIKKKKLVNTFHPDPDGAIDL
LSS FVQACDTVYRKLRFRRASVGNSSVIDSVLKSI INPVFYFLLVTILLMILEFNPM
SMLVPL SSSLLLAGSFAFGSTCAKAFEGIMLIVGRR

>comp14423_c0_seq9; 673 69 3062 LEN=3300; translated
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GSSIGMQNSFRSRGSSRRSSEP VVKAFQNP LKGSANGVFQGRNQKARTLLRDLGKQKSD
YSFKAETLRDGD PFRFEVSRRHGNGKFD DNASTISFP ESSSDESIPNSEDYEGYPDEGLP
LLNNDKDLSEKWRARKLLKKN EWKAWKEFLNPVTVLQHLYDWFIRSTLLIAIPFFA ISF
VLFYFFGNPSTPNYIPGDVCF SWWFDFAGRQLVMLELSRFSQAILVDGLIRRKKGFSKLM
GPWVTVYFHQSRGWPFVLSAWGFWDLI FLEGNSRFKQHWFYFTGLQIFSKQNSGAYILSS
HYLRILFCMIIAGIARSLKETVLTLYFGRRMVATYKRKLQDIVDDVLVI SEVADLSMVS
DNIADIVGIDLGN SNPESRDNSRKGREFSVIRWSDIQFDEEDLSDEDSL TNEMASQGET
PSQDGRSKKIETEFYNQ GKPTQTLQGQK FYGSSTRFAMKSLLDKWE EPINKGLKSQDLFT
ADILRFSDALHYMDLDY PFNESFGLASTRNEMISSAELVYKRLKMLSPDSVVLNFSAFEFL
LLIQEDGSEDEIKKKKLVNTFHPDPDGAIDLSS FVQACDTVYRKLRFRRASVGNSSVIDS
VLKSI INPVFYFLLVTILLMILEFNPM SMLVPLSSLLLAGSFAFGSTCAKAFEGIMLIVG
RRPYAIGDRIVI QDSAGADAP EMTMSWIVEDISVLSTTLRFGATNEIAQVSNSSIASARI
TNCNRSEKATVSILLHFHLSCHKDSKTMEKFREGVEQYVRDNRNTWDALFFFRCENVDAN
REEVVYRLSVRSIHPWQVSNRVYDRGELHQFCNALS YKLDINYEVPNQRSIMYYGGHLE
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>comp14423_c0_seq10; 351 600 1202 LEN=1504; translated
MDLDYPFNESFGLASTRNEMISSAELVYKRLKMLSPDSVVLNFSAFEFLLIQEDGSEDEI
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LLVTILLMILEFNPM SMLVPLSSLLLAGSFAFGSTCAKAFEGIMLIVGRRPYAIGDRIVI
QDSAGADAP EMTMSWIVEGK

>comp14423_c0_seq11; 515 69 2417 LEN=2595; translated
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YSFKAETLRDGD PFRFEVSRRHGNGKFD DNASTISFP ESSSDESIPNSEDYEGYPDEGLP
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VLFYFFGNPSTPNYIPGDVCF SWWFDFAGRQLVMLELSRFSQAILVDGLIRRKKGFSKLM

GPWVTVYFHQSRGWPFVLSAWGFWDLIFLEGNSRFKQHWFYFTGLQIFSKQNSGAYILSS
HYYLRLILFCMIIAGIARSLKETVLTLYFGRRMVATYKRKLQDIVDDVLVI SEVADLSMVS
DNIADIVGIDLGN SNPESRDNSRKGREFSVIRWSDIQFDEEDLSDEDSL TNEMASQGET
PSQDGRSKKIETEFYNQGKPTQTLQGQKIFYGSSTRFAMKSLLDKWEEPINKGLKSQDLFT
ADILRFSDALHYMDLDYPFNESFGLASTRNEMISSAELVYKRLKMLSPDSVVLNFSAFEF
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VLKSI INPVFYFLLVTILLMILEFNPM SMLVPLSLLLAGSF AFGSTCAKAFEGIMLIVG
RR

>comp14423_c0_seq12; 305 600 1112 LEN=1182; translated
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>comp14423_c0_seq13; 357 600 1434 LEN=1434; translated
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KKKKLVNTFHPDPDGAIDL LSFVQACDTVYRKL RFFRASVGNSSVIDS VLKSI INPVFYF
LLVTILLMILEFNPM SMLVPLSLLLAGSF AFGSTCAKAFEGIMLIVGRRPYAIGDRIVI
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>comp14423_c0_seq14; 327 1 1472 LEN=1472; translated
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NESFGLASTRNEMISSAELVYKRLKMLSPDSVVLNFSAFEFLLIQEDGSEDEIKKKKLVN
TFHPDPDGAIDL LSFVQACDTVYRKL RFFRASVGNSSVIDS VLKSI INPVFYFLLVTILL
MILEFNPM SMLVPLSLLLAGSF AFGSTCAKAFEGIMLIVGRRKWTFL LILLLQQAANF
PMKVTDADMLLNGSFSSFRFHKTDAIGDRIVI QDSAGADAPEMTMSWIVEDISVLSTTLR
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DNRNTWDALFX

>comp14423_c0_seq15; 342 1 1353 LEN=1353; translated
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NESFGLASTRNEMISSAELVYKRLKMLSPDSVVLNFSAFEFLLIQEDGSEDEIKKKKLVN
TFHPDPDGAIDL LSFVQACDTVYRKL RFFRASVGNSSVIDS VLKSI INPVFYFLLVTILL
MILEFNPM SMLVPLSLLLAGSF AFGSTCAKAFEGIMLIVGRRPYAIGDRIVI QDSAGAD
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>comp14423_c0_seq16; 646 193 3305 LEN=3543; translated
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GSSIGMQNSFRSRGSSRRSSEP VVKAFQNP LK GK SANGVFQGRNQKARTLLRDLGKQKSD
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DNIADIVGIDLGN SNPESRDNSRKGREFSVIRWSDIQFDEEDLSDEDSL TNEMASQGET
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VLKSI INPVFYFLLVTILLMILEFNPM SMLVPLSLLLAGSF AFGSTCAKAFEGIMLIVG
RRKWTFL LILLLQQAANFPMKVTDADMLLNGSFSSFRFHKTDAIGDRIVI QDSAGADAP
EMTMSWIVEDISVLSTTLRFGATNEIAQVSNSSIASARITNCNRSEKATVSILLHFHLS
CHKDSKTMEKFREGVEQYVRDNRNTWDALFFRCENVDANREEVYRLSVRSIHPWQVSNR
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>comp14423_c0_seq17; 573 193 3337 LEN=3575; translated
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VLFYFFGNPSTPNYIPGDVCFSSWFFDFAGRQLVMLELSRFSQAILVDGLIRRKKGF SKLM
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FVQACDTVYRKLRFRRASVGNSSVIDSVLKSIINPVFYFLLVTILLMILEFNPMSMLVPL
SSLLLAGSFAFGSTCAKAFEGIMLIVGRRPYAIGDRIVI QDSAGADAPEMTMFGLLKASE
VISPISLFCFSVLIVLFLFVDISVLSTTLRFGATNEIAQVSNSSIASARITNCNRSEKAT
VSILLHFHLSCHKDSKTMEKFREGVEQYVRDNRNTWDALFFRCENVDANREEVVYRLSV
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>comp14423_c0_seq18; 664 193 3256 LEN=3494; translated
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VLFYFFGNPSTPNYIPGDVCFSSWFFDFAGRQLVMLELSRFSQAILVDGLIRRKKGF SKLM
GPWVTVYFHQSRGWPFVLSAWGFWDLI FLEGNSRFKQHWFYFTGLQIFSKQNSGAYILSS
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DNIADIVGIDLGNAPESRDNSRKGREFSVIRWSDIQFDEEDLSDEDSL TNEMASQGET
PSQDGRSKKIEETEFYNQKPTQTLQGQKFGSSTRFAMKSLLDKWEEPINKGLKSQDLFT
ADILRFSDALHYMDLDYPFNESFGLASTRNEMISSAELVYKRLKMLSPDSVVLNFSAFE
LLIQEDGSEDEIKKKKLVNTFHPDPDGAIDL SFVQACDTVYRKLRFRRASVGNSSVIDS
VLKSIINPVFYFLLVTILLMILEFNPMSMLVPLSSLLLAGSFAFGSTCAKAFEGIMLIVG
RRPYAIGDRIVI QDSAGADAPEMTMFGLLKASEVISPISLFCFSVLIVLFLFVDISVLST
TLRFGATNEIAQVSNSSIASARITNCNRSEKATVSILLHFHLSCHKDSKTMEKFREGVEQ
YVRDNRNTWDALFFRCENVDANREEVVYRLSVRSIHPWQVSNRVYRDRGELHQFCNALS
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>comp14423_c0_seq19; 570 193 3267 LEN=3505; translated
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GSSIGMQNSFRSRGSSRRSSEPVKAFQNP LKGSANGVFQGRNQKARTLLRDLGKQKSD
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GPWVTVYFHQSRGWPFVLSAWGFWDLI FLEGNSRFKQHWFYFTGLQIFSKQNSGAYILSS
HYLRILFCMIIAGIARSLKETVLTLYFGRRMVATYKRKLQDIVDDVLVI SEVADLSMVS
DNIADIVGIDLGNAPESRDNSRKGREFSVIRWSDIQFDEEDLSDEDSL TNEMASQGET
PSQDGRSKKIEETEFYNQKPTQTLQGQKFGSSTRFAMKSLLDKWEEPINKGLKVSTKFX
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FVQACDTVYRKLRFRRASVGNSSVIDSVLKSIINPVFYFLLVTILLMILEFNPMSMLVPL
SSLLLAGSFAFGSTCAKAFEGIMLIVGRRPYAIGDRIVI QDSAGADAPEMTMSWIVEDIS
VLSTTLRFGATNEIAQVSNSSIASARITNCNRSEKATVSILLHFHLSCHKDSKTMEKFRE
GVEQYVRDNRNTWDALFFRCENVDANREEVVYRLSVRSIHPWQVSNRVYRDRGELHQFC
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HSNA

>comp14423_c0_seq20; 515 69 2417 LEN=3489; translated
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RR

>comp14423_c0_seq21; 470 69 2588 LEN=2890; translated
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GPWVTVYFHQSRGWPFVLSAWGFWDLI FLEGNSRFKQHWFYFTGLQIFSKQNSGAYILSS
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SSAELVYKRLKMLSPDSVVLNFSAFEFLLIQEDGSEDEIKKKKL VNTFHPDPDGAIDL LLS
FVQACDTVYRKL RFFRASVGNSSVIDSVLKSI INPVFYFLLVTILLMILEFNPM SMLVPL
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>comp14423_c0_seq22; 658 69 3181 LEN=3419; translated
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YSFKAETLRDGD PFRFEVSRRHGNGKFDDNASTISFP ESSSDESIPNSEDYEGYPDEGLP
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VLFYFFGNPSTPNYIPGDVCF SWWFDFAGRQLVMLELSRFSQAILVDGLIRRKKGF SKLM
GPWVTVYFHQSRGWPFVLSAWGFWDLI FLEGNSRFKQHWFYFTGLQIFSKQNSGAYILSS
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VLKSI INPVFYFLLVTILLMILEFNPM SMLVPLSSLLLAGSFAFGSTCAKAFEGIMLIVG
RRKWTFL LILLQQA AFNFPMKVTDADMLLNGSFSSFRFHK TDAIGDRIVI QDSAGADAP
EMTMSWIVEDISVLSTTLRFGATNEIAQVSNSSIASARITNCNRSEKATVSILLHFHLS
HKDSKTMEKFREGVEQYVRDNRNTWDALFFRCENVDANREEVYRLSVRSIHPWQVSNR
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>comp14423_c0_seq23; 582 69 3143 LEN=3381; translated
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VLFYFFGNPSTPNYIPGDVCF SWWFDFAGRQLVMLELSRFSQAILVDGLIRRKKGF SKLM
GPWVTVYFHQSRGWPFVLSAWGFWDLI FLEGNSRFKQHWFYFTGLQIFSKQNSGAYILSS
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FVQACDTVYRKL RFFRASVGNSSVIDSVLKSI INPVFYFLLVTILLMILEFNPM SMLVPL
SSLLLAGSFAFGSTCAKAFEGIMLIVGRRPYAIGDRIVI QDSAGADAP EMTMSWIVEDIS
VLSTTLRFGATNEIAQVSNSSIASARITNCNRSEKATVSILLHFHLSCHKDSKTMEKFR
GVEQYVRDNRNTWDALFFRCENVDANREEVYRLSVRSIHPWQVSNRVYRDRGELHQFC
NALS YKLDINYEVPNQRSIMYYGGHLENGGVQDYRLKVLKNSNIKNNGDCNFLTPAKTTV
HSNA

>comp14423_c0_seq24; 412 193 2622 LEN=3133; translated
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VLFYFFGNPSTPNYIPGDVCFSSWWFDFAGRQLVMLELSRFSQAILVDGLIRRKKGF SKLM
GPWVTVYFHQSRGWPFVLSAWGFWDLI FLEGNSRFKQHWFYFTGLQIFSKQNSGAYILSS
HYLRILFCMIIAGIARSLKETVLTLYFGRRMVATYKRKLQDIVDDVLVI SEVADLSMVS
DNIADIVGIDLGN SNPESRDNSRKGREFSVIRWSDIQFDEEDLSDEDSL TNEMASQGET
PSQDGRSKKIETEFYNQ GKPTQTLQGQK FYGSSTRFAMKSLLDKWE EPINKGLKVSTKFX
IQFGVFQLISLSILVYFSRSQSQDLFTADILRFSDALHYMDLDY PFNESFGLASTRNEMI
SSAELVYKRLKMLSPDSVVLNFSAFEFLLIQEDGSEDEIKKKKLVNTFHPDPDGAIDL LS
FVQACDTVYRKLRFRRASVGNSSVIDSVLKSI INPVFYFLLVTILLMILEFNPM SMLVPL
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>comp14423_c0_seq26; 305 600 1112 LEN=1234; translated
MDLDYPFNESFGLASTRNEMISSAELVYKRLKMLSPDSVVLNFSAFEFLLIQEDGSEDEI
KKKKLVNTFHPDPDGAIDL LLSFVQACDTVYRKLRFRRASVGNSSVIDSVLKSI INPVFYF
LLVTILLMILEFNPM SMLVPLSSLLLAGSF AFGSTCAKAFEGIMLIVGRR

>comp14423_c0_seq27; 336 1 1121 LEN=1423; translated
TNWYPHIDFSPKKLXYKRKLQDIVDDVLVI SEVADLSMVS DNIADIVGIDLGN SNPES
RDNSRKGREFSVIRWSDIQFDEEDLSDEDSL TNEMASQGETPSQDGRSKKIETEFYNQ GK
PTQTLQGQK FYGSSTRFAMKSLLDKWE EPINKGLKSQDLFTADILRFSDALHYMDLDY PF
NESFGLASTRNEMISSAELVYKRLKMLSPDSVVLNFSAFEFLLIQEDGSEDEIKKKKLVN
TFHPDPDGAIDL LLSFVQACDTVYRKLRFRRASVGNSSVIDSVLKSI INPVFYFLLVTILL
MILEFNPM SMLVPLSSLLLAGSF AFGSTCAKAFEGIMLIVGRRPYAIGDRIVI QDSAGAD
APEMTMSWIVEGK

>comp14423_c0_seq28; 503 193 2541 LEN=2719; translated
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GSSIGMQNSFRSRGSSRRSSEPVKAFQNP LKGSANGVFQGRNQKARTLLRDLGKQKSD
YSFKAETLRDGDPPFRFEVSRRHGNGKFDDNASTISFPESSEDESIPNSEDYEGYPDEGLP
LLNNDKDLSEKWRARKLLKKNEWKAWKEFLNPVTVLQHLYDWFIRSTLLIAIPFFAISF
VLFYFFGNPSTPNYIPGDVCFSSWWFDFAGRQLVMLELSRFSQAILVDGLIRRKKGF SKLM
GPWVTVYFHQSRGWPFVLSAWGFWDLI FLEGNSRFKQHWFYFTGLQIFSKQNSGAYILSS
HYLRILFCMIIAGIARSLKETVLTLYFGRRMVATYKRKLQDIVDDVLVI SEVADLSMVS
DNIADIVGIDLGN SNPESRDNSRKGREFSVIRWSDIQFDEEDLSDEDSL TNEMASQGET
PSQDGRSKKIETEFYNQ GKPTQTLQGQK FYGSSTRFAMKSLLDKWE EPINKGLKSQDLFT
ADILRFSDALHYMDLDY PFNESFGLASTRNEMISSAELVYKRLKMLSPDSVVLNFSAFEFL
LLIQEDGSEDEIKKKKLVNTFHPDPDGAIDL LLSFVQACDTVYRKLRFRRASVGNSSVIDS
VLKSI INPVFYFLLVTILLMILEFNPM SMLVPLSSLLLAGSF AFGSTCAKAFEGIMLIVG
RR

>comp14423_c0_seq29; 449 193 3063 LEN=3063; translated
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GSSIGMQNSFRSRGSSRRSSEPVKAFQNP LKGSANGVFQGRNQKARTLLRDLGKQKSD
YSFKAETLRDGDPPFRFEVSRRHGNGKFDDNASTISFPESSEDESIPNSEDYEGYPDEGLP
LLNNDKDLSEKWRARKLLKKNEWKAWKEFLNPVTVLQHLYDWFIRSTLLIAIPFFAISF
VLFYFFGNPSTPNYIPGDVCFSSWWFDFAGRQLVMLELSRFSQAILVDGLIRRKKGF SKLM
GPWVTVYFHQSRGWPFVLSAWGFWDLI FLEGNSRFKQHWFYFTGLQIFSKQNSGAYILSS
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DNIADIVGIDLGN SNPESRDNSRKGREFSVIRWSDIQFDEEDLSDEDSL TNEMASQGET
PSQDGRSKKIETEFYNQ GKPTQTLQGQK FYGSSTRFAMKSLLDKWE EPINKGLKVSTKFX
IQFGVFQLISLSILVYFSRSQSQDLFTADILRFSDALHYMDLDY PFNESFGLASTRNEMI
SSAELVYKRLKMLSPDSVVLNFSAFEFLLIQEDGSEDEIKKKKLVNTFHPDPDGAIDL LS
FVQACDTVYRKLRFRRASVGNSSVIDSVLKSI INPVFYFLLVTILLMILEFNPM SMLVPL
SSLLLAGSF AFGSTCAKAFEGIMLIVGRRKWTFL LILLQQA AFNFPK VTDADMLLNGS
FSSFRFHKTDAIGDRIVI QDSAGAD APEMTMSWIVEDISVLSTTLRF GATNEIAQVSNSS
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>comp14423_c0_seq30; 503 193 2541 LEN=3613; translated

MSTASDIRPDVEISCEFSANLASRSNALLPDMIYEDEAEAGAVLTSVEQRAKDTQVGEDGF
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GSSIGMQNSFRSRGSSRRSSEPVVKAQFQNPGLKGSANGVFQGRNQKARTLLRDLGKQKSD
YSFKAETLRDGDPPFRFEVSRRHGNGKFDNASTISFPESSSDESIPNSEDYEGYPDEGLP
LLNNDKDLSEKWRARKLLKKNNEWKAWKEFLNPVTVLQHLVDWFIRSTLLIAIPFFAISF
VLFYFFGNPSTPNYIPGDVCFSWWFDFAGRQLVMLELSRFSQAAILVDGLIRRKKGFSKLM
GPWVTVYFHQSRGWPFVLSAWGFWDLI FLEGNRFRKQHWFYFTGLQIFSKQNSGAYILSS
HYLRILFCMIIAGIARSLKETVLTLYFGRRMVATYKRKLQDIVDDVLVISEVADLSMVS
DNIADIVGIDLGNSNAPESRDNSRKGREFSVIRWSDIQFDEEDLSDEDSL TNEMASQGET
PSQDGRSKKIEFETFYNQGKPTQTLQGQKFYGSSTRFAMKSLLDKWEEPINKGLKSQDLFT
ADILRFSDALHYMDLDYPFNESFGLASTRNEMISSAELVYKRLKMLSPDSVVLNFSAFEF
LLIQEDGSEDEIKKKKLVNTFFHPDPDGAIDLFSVQACDTVYRKLRFRRASVGNSSVIDS
VLKSIINPVFYFLLVITILLMILEFNPMMLVPLSLLLAGSFAFGSTCAKAFEGIMLIVG
RR

>comp14424_c0_seq1; 688 109 1272 LEN=2053; translated
MAEESILAEASSKKKAKKDKKKEDKKKSKKRKLLDDGDGSDHGDEPIVDQGSSEVSNDT
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RVKKGGLPPVATAKEQEERQNEARLRREEQAELAGLASERNMQDSDEESASDNGDDGSG
DDNDDNNDNTAGDGDNDVSNDAVCAPASAVNSSKEDGAPTKKAKRNKVVADYVCQACK
NRHQPAHWIYDCPKITVRGTNKKRKKDRGINDPDSRKVFVSGLPFEAKVKAVEDFFSVT
KNCGTVAAVRLIKFEDTGRGNGQAYISFDTDAGAQRALLSGTTIDAELLSSSDSKKKKK
DDGAPTKRRELKLVSKVLNRRKTKRG

>comp14425_c0_seq2; 554 122 2413 LEN=3035; translated
MPSSQHNGSQQFDNLKVVYHFDDNDRSEAIRAVQHVASLAMRDARNESARSVIDFGMM
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SAFAEIKKRNNKKAGEATAYVRKSLAQLGNPVKNNPREAWMCGVTGKRFSSYEAAASEHED
YHIREIVAELGWAQNGLEHDNSFGRADRDSEVFQTARENFAFEGSQREHLQLDEDFKTY
EQASKASVANS GASPAPARPDFLAVSSRNLNHQFALSSEIGPPPIGHRGILSNKNNPYQ
SDDFVVLADEALTDVCKKAELVLSQLEQEAFFELESYSKDKYYYDMLEQREIERQRDGA
YSRFRTEGKNLAEKIQNKFVDAYAIMKKGKSKKATSAVDHYKRKIESDSVVKQKIENTKQ
TLYVNVIVKNSIQVVSHELDRLARQRWEEHKQKEGKLNDRNDESRAQFEKFKARAQQQL
VQLAGLALASDFTPRRIAVQLSNDLYRLLTPRLKRRGVFIESEIEYRVGPFVFLAVNVLG
VDWSRLVEKTYVDVNERRAKWIRKAELDNANGVTRRYGPLASLIRLSHMTSMEVLAGFVA
TLYYTHWIVYTPICWFLYRFCIGETFRKYFLSSVTDEIFYIVEQKGMEMNIQIQDAESQT
VCMLSALQEIRTDNRALKKKKQEKAGSGEGEAELLGPLLGPAILKDDNRAAPGIPDGFVFP
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>comp14425_c0_seq3; 601 122 2845 LEN=2915; translated
MPSSQHNGSQQFDNLKVVYHFDDNDRSEAIRAVQHVASLAMRDARNESARSVIDFGMM
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SAFAEIKKRNNKKAGEATAYVRKSLAQLGNPVKNNPREAWMCGVTGKRFSSYEAAASEHED
YHIREIVAELGWAQNGLEHDNSFGRADRDSEVFQTARENFAFEGSQREHLQLDEDFKTY
EQASKASVANS GASPAPARPDFLAVSSRNLNHQFALSSEIGPPPIGHRGILSNKNNPYQ
SDDFVVLADEALTDVCKKAELVLSQLEQEAFFELESYSKDKYYYDMLEQREIERQRDGA
YSRFRTEGKNLAEKIQNKFVDAYAIMKKGKSKKATSAVDHYKRKIESDSVVKQKIENTKQ
TLYVNVIVKNSIQVVSHELDRLARQRWEEHKQKEGKLNDRNDESRAQFEKFKARAQQQL
VQLAGLALASDFTPRRIAVQLSNDLYRLLTPRLKRRGVFIESEIEYRVGPFVFLAVNVLG
VDWSRLVEKTYVDVNERRAKWIRKAELDNANGVTRRYGPLASLIRLSHMTSMEVLAGFVA
TLYYTHWIVYTPICWFLYRFCIGETFRKYFLSSVTDEIFYIVEQKGMEMNIQIQDAESQT
VCMLSALQEIRTDNRALKKKKQEKAGSGEGEAELLGPLLGPAILKDDNRAAPGIPDGFVFP
NLEYVSLELNLQVGFQRLRWALLNSESSFMKDAVMKTELNYDNIVSGEWNKFNDEIGLSK
LPDSVKHEDYIGAERKTSYLMPKSAFVAANTAHETAYIECYNDYCFSLKLRALTPDVPY
STFEAWTKYVVINTGNKSCKLICSL EAVFPNGPPMVSRIKSGMRDGVGEVVFVKTGEAFQ
RYANAYP

>comp14426_c0_seq1; 389 147 2499 LEN=2929; translated
MINELDQTAMKRCPCAAAETS GTGRSLQLILTVLFLAIKATLKYKSNTTASGYPHLEQK
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KRLNEQTQEHRQTSSFRKRSRKNANDSQREHFRKGHNIDDVHFPASMKKRHRILICSH
DQTQDQCHSQFLSMYGNIP IERSGNRNLGNSYRNKVVVRNLESVRALSVEIDAQTLAK
VHIDNEFVYLDLFLRRPLVAGSIREYIPSRKDNENRNLQENSQKVPWGLEAIIHAQDVWQ
DYDVHGEVGVKICILDTGVQASHEDFRQSNLDGFYGNFVSPHWYEDNSGHGTHIGTVTA

SNNTIGVLKFKVDQLQCSGSFRSFLSNNRNI AVYFFLQRNAPAAETFVVRVFDDGKRLYD
FADGTTFFSTDLIAAASICNEWGANIISASLGGSNYNEIEEKFFKELFYKSGIFTVAAAGN
GGNTNNVYPAAAYDGVLSVGAVDESLSLANFSTFNPIITDVLAPGNHFTKVELIENLKFDR
PANIFFDLTRMSFSPGIFGNNIGVNILSTFRGNKYATLSGTSMVPHVTGTLALMLS YVL
KTGITPDVGDILNALKHSTALTANITVNHEYSIDEAEPSSIGVIDSYAAIQYLAGDRRVP
ENRGSFLSRRKSDPNVVICNNLIHLDIFTDKSGNETYYCLKRLSDDQMIWSTGPNMLE
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NC

>comp14426_c0_seq2; 455 147 2380 LEN=2745; translated
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KRLNEQTQEHRTQSSFRKRS LRKNANDSQREHFRKGHNIDDVHFPASMKKRHRILICSH
DQTQDQCHSQFLSMYGNIP IERSGNNRNGLSNSYRNVKVVRLNESVRALSVEIDAQTLAK
VHIDNEFV FYLDFLRRLV VAGSIREYIPSRKDNENRNLQENSQKVPWGLEAIIHAQDVWQ
DYDVHGEVVKICILDTGVQASHEDFRQSNLDGFYGFNEFVSPHWYEDNSGHGTHIIGTVTA
SNNTIGVLKFKVDQLQCSGSFRSFLSNNRNI AVYFFLQRNAPAAETFVVRVFDDGKRLYD
FADGTTFFSTDLIAAASICNEWGANIISASLGGSNYNEIEEKFFKELFYKSGIFTVAAAGN
GGNTNNVYPAAAYDGVLSVGAVDESLSLANFSTFNPIITDVLAPGVN ILSTFRGNKYATLS
GTSMVPHVTGTLALMLS YVLKTGITPDVGDILNALKHSTALTANITVNHEYSIDEAEPSS
SIGVIDSYAAIQYLAGDRRVPENRGSFLSRRKSDPNVVICNNLIHLDIFTDKSGNETY
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FRGNEVYRGGDYGRGGILMFGNC

>comp14426_c0_seq3; 535 147 2288 LEN=2718; translated
MINELDQTAMKRCPCAAAETSGTGKRSLQLILTVLFLAIKATLKYKSNTTASGYPHLEQK
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KRLNEQTQEHRTQSSFRKRS LRKNANDSQREHFRKGHNIDDVHFPASMKKRHRILICSH
DQTQDQCHSQFLSMYGNIP IERSGNNRNGLSNSYRNVKVVRLNESVRALSVEIDAQTLAK
VHIDNEFV FYLDFLRRLV VAGSIREYIPSRKDNENRNLQENSQKVPWGLEAIIHAQDVWQ
DYDVHGEVVKICILDTGVQASHEDFRQSNLDGFYGFNEFVSPHWYEDNSGHGTHIIGTVTA
SNNTIGVLGIAPAAETFVVRVFDDGKRLYDFADGTTFFSTDLIAAASICNEWGANIISASL
GGSNYNEIEEKFFKELFYKSGIFTVAAAGNGGNTNNVYPAAAYDGVLSVGAVDESLSLANF
STFNPIITDVLAPGVN ILSTFRGNKYATLSGTSMVPHVTGTLALMLS YVLKTGITPDVG
DILNALKHSTALTANITVNHEYSIDEAEPSSIGVIDSYAAIQYLAGDRRVPENRGSFLSR
RKSDPNVVICNNLIHLDIFTDKSGNETYYCLKRLSDDQMIWSTGPNMLENYSKYSESS
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>comp14426_c0_seq4; 469 147 2407 LEN=2837; translated
MINELDQTAMKRCPCAAAETSGTGKRSLQLILTVLFLAIKATLKYKSNTTASGYPHLEQK
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KRLNEQTQEHRTQSSFRKRS LRKNANDSQREHFRKGHNIDDVHFPASMKKRHRILICSH
DQTQDQCHSQFLSMYGNIP IERSGNNRNGLSNSYRNVKVVRLNESVRALSVEIDAQTLAK
VHIDNEFV FYLDFLRRLV VAGSIREYIPSRKDNENRNLQENSQKVPWGLEAIIHAQDVWQ
DYDVHGEVVKICILDTGVQASHEDFRQSNLDGFYGFNEFVSPHWYEDNSGHGTHIIGTVTA
SNNTIGVLGIAPAAETFVVRVFDDGKRLYDFADGTTFFSTDLIAAASICNEWGANIISASL
GGSNYNEIEEKFFKELFYKSGIFTVAAAGNGGNTNNVYPAAAYDGVLSVGAVDESLSLANF
STFNPIITDVLAPGNHFTKVELIENLKFDRPANIFFDLTRMSFSPGIFGNNIGVNILSTF
RGNKYATLSGTSMVPHVTGTLALMLS YVLKTGITPDVGDILNALKHSTALTANITVNHE
YSIDEAEPSSIGVIDSYAAIQYLAGDRRVPENRGSFLSRRKSDPNVVICNNLIHLDIF
TDSKNETYYCLKRLSDDQMIWSTGPNMLENYSKYSESSCLEVDKYCYQFVVRDVGGDGI
SEGGGIVVFFRGNEVYRGGDYGRGGILMFGNC

>comp14427_c0_seq1; 134 1 168 LEN=336; minus strand; translated
GGRDYR KSHNDGGSRGGNRNSGYGGGGYGGGGYGGGYGGGGYGGGGGNFGGAW

>comp14427_c1_seq1; 647 1 1888 LEN=2109; translated
XFDLSCAEVY TALVMQNGTKYVPPHLRNSQSSGGGNEPRDNNRGGGYNNDRRGGSYGNDR
RGSYGD RRGSYGGRRGGGEPRRNSRWSVDGSDGGDRRGSYGRSGGGYGRGSNARKNER
GFHGDMPDPRLE RTLYTSDHQTTGINFNDYDKIPVEVSGENAPEPIDIYSEETIGADLF
RCTQLCGYTRPTPVQKYS CPIGSAGRDLMACAQTGSGKTAGFLFPIIMSMCAKGGSESPA
GGRRQVYPEALVMAPTRELAQQIFDEARRFTYCTGIATVCIYGGAEVRDQLRQIERGCDL
LVATPGRVLVDLIERGRLGMENIKFLVLDEADRMLDMGFEPQIRRIVEESGMPQGD DRQTM
MFSATFPQAQIQRLASDFLRDYIFLTVGRVGSASKDVTQKIEYVEERDKLDSL MKFLLTIE
DGLILIFTETKRNC DYLEDVLCENGF PACSIHGDKSQRE REDSLRSFKRGNTPVMAATDV

ASRGLDIPNVTQVVNYDLPTNIDDYVHRIGRTGRAGNTGNALS FVNEKNSGIIREL RDML
DENEQEV PQWLNQMASYSGRGGGRRSGGGRNNF GGRDYR KSHNDGGSRGGNRNSGYGGG
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>comp14427_c1_seq2; 382 1178 2266 LEN=2319; translated
MHL SIPSQRLITYYPSLLANA ISSKPPYLKPGEGPIV LVLAP TRELAVQIKEE CDKFGKS
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LDMGFEPQLRKIVSQIRPDRQVLMWSATWPKEIQNLARDYLDEYYQVTVGSLDLTG NKDV
TQII EVCQDPDKYRSLLKYLRENLTQKDRVLV FVETKKGCDMLTRSLRMDGFQARAMHGD
KSQEERD WALREFKSCQSTLLVATDVAARGLDVDDIRMV VNFDMPSNMEDYVHRIGRTGR
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RY

>comp14427_c1_seq3; 198 1 520 LEN=2626; translated
XGYGGGGGGYGGGGYGGGGGGYGGGGYGN GGGRRGGSNLGSNLQNIDFSKEQLVAFE
KNFYMEHPDVTKRSEEEAAQWRQSKGIVVVGKDV PKPCMTFEEASMP EYILTEVLKCGFN
SPTPIQS QGWP MALKGQNTVGV SATGSGKTLAFLLPAMIHINAQVRNRNIPTQ

>comp14427_c1_seq4; 382 1156 2244 LEN=2297; translated
MHL SIPSQRLITYYPSLLANA ISSKPPYLKPGEGPIV LVLAP TRELAVQIKEE CDKFGKS
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LDMGFEPQLRKIVSQIRPDRQVLMWSATWPKEIQNLARDYLDEYYQVTVGSLDLTG NKDV
TQII EVCQDPDKYRSLLKYLRENLTQKDRVLV FVETKKGCDMLTRSLRMDGFQARAMHGD
KSQEERD WALREFKSCQSTLLVATDVAARGLDVDDIRMV VNFDMPSNMEDYVHRIGRTGR
AGRKGTA VSFVAEKNGRMAKDLLDILKRTEQNIPPELNNMASFSYGRGGGRGRGRGRG
RY

>comp14427_c1_seq5; 595 1 1501 LEN=1554; translated
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SPTPIQS QGWP MALKGQNTVGV SATGSGKTLAFLLPAMIHINAQPYL KPGEGPIV LVLAP
TRELAVQIKEE CDKFGKSSDIRNTVVYGGV PKRRQVQDLQSGIEI VIATPGRLIDHLDQG
NTNLKRVTYLV LDEADRMLDMGFEPQLRKIVSQIRPDRQVLMWSATWPKEIQNLARDYLD
EYYQVTVGSLDLTG NKDV TQII EVCQDPDKYRSLLKYLRENLTQKDRVLV FVETKKGCDM
LTRSLRMDGFQARAMHGDKSQEERD WALREFKSCQSTLLVATDVAARGLDVDDIRMV VNF
DMP SNMEDYVHRIGRTGRAGRKGTA VSFVAEKNGRMAKDLLDILKRTEQNIPPELNNMA
SFSYGRGGGRGRGRGRGRY

>comp14427_c1_seq6; 198 1 520 LEN=2604; translated
XGYGGGGGGYGGGGYGGGGGGYGGGGYGN GGGRRGGSNLGSNLQNIDFSKEQLVAFE
KNFYMEHPDVTKRSEEEAAQWRQSKGIVVVGKDV PKPCMTFEEASMP EYILTEVLKCGFN
SPTPIQS QGWP MALKGQNTVGV SATGSGKTLAFLLPAMIHINAQVRNRNIPTQ

>comp14427_c1_seq7; 759 669 2552 LEN=2773; translated
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HGDMQDPRLERTLYTSDHQTTGINF DNYDKIPVEVSGENAPEPIDIYSEETIGADLFR C
TQLCGYTRPTPVQKYS CPIGSAGRDLMACAQ TGSKTAGFLFPIIMSMCAKGGSESPAGG
RRQVYPEALVMAPTRELAQQIFDEARRFTYCTGIATVCIYGGAEVRDQLRQIERGCDLLV
ATPGRLVDLIERGLGMENIKFLVLDEADRMLDMGFEPQIRRI VEESGMPQGGDRQTM MF
SATFPAQIQRLASDFLRDYIFLTVGRVGSASKDVTQKIEYVEERDKLDSL MKFLLTIEDG
LILIFTETKRNC DYLEDVLCENGF PACSIHGDKSQREREDSLRSFKRGNTPVMAATDVAS
RGLDIPNVTQVVNYDLPTNIDDYVHRIGRTGRAGNTGNALS FVNEKNSGIIREL RDMLDE
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>comp14428_c0_seq1; 815 186 3449 LEN=4107; translated
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NNTKRNTGNHNRYPNNLVRHGQNRHAINQQSICSMELSI RRVEHKGVSGHSLLTFFVKEST
PFTKDEILHLRQGTIF SCLDGKATNSIENVLLGVILPQSRDEMVASNSFVIMMFRKIKKT
IKGKWLTPII SLLSEQRKFEACMSQMVKVPVFLPLLG IKKPTDLRSLEYRPKRNHKS N
VEDHF IETNADSESDCEMLEVVDLEATFQIPRLNNMQELAAKTFLKSKSDTICLVQGGPPG
TGKTTLLTSVICRYIIDS RKL EHNKRCLMVCAPT NKA VTLCSRFLNTFLD VDS CP CNVV
LIGDEDKLLENDGRKRGN AFTDNPRMRESLLYTFIDTVENDYLYIRKILDKGNFGLFNRI
LMVARRLENLLKRKVTD AEVIMGATSIVKLI EKFTKSRQKQYPT EINKVDLVVGMV GAW
NRDTIWQEILQGADVIFCTLGSSGSSLLKKVIGEVDDL VVDEAAAATEPEIYIPFYQLPR

MGDHADDDQGETRILCVLVDSPPTPRKVVIVKVFDKLTGGKRQKDRVHQDRDEIVELLLRP
GDAYEMDGVRCVVHAFLIPFASSNCSVLFNRWFRTESEELNPPGVPKYSSESFDELKTLV
DNIVLNVLFFXLVVMQEFYSHCVKDNLSKDDECKDHKSEHSRIRRMCVVLRGTGQKFEFE
RDTGEACTDLAPRKAISYYHGP IANLKVGSSTYRRELQKMNHAQLLQRGISGTIRDGADA
IIISGKRRGHDKLQHIKYVAEWRIGANALFKSFVRESMIRVFRSLAYISSNEALKTGTGL
KQRKSTSKLYRYDGLYKIVRVNPPIDPKGAFEFFLTHSR IASNKNGGAVSFENVAKRVNR
NLFGAKRQNAIHI PPPPPPTLLCATT TDSKRLEINQEHSMVSI PSGIPLNPLWARDYGP
IDLSWNSPA

>comp14433_c0_seq3; 717 343 3643 LEN=3778; translated
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>comp14435_c0_seq1; 102 1 905 LEN=1812; translated
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>comp14436_c0_seq2; 326 253 981 LEN=2469; translated
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>comp14437_c0_seq1; 446 160 1482 LEN=1958; translated
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>comp14439_c0_seq1; 1290 193 3130 LEN=3130; translated
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>comp14440_c0_seq1; 327 1 1077 LEN=1077; translated
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>comp14440_c1_seq1; 217 186 872 LEN=1162; translated
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>comp14440_c1_seq2; 241 1 1168 LEN=1458; translated
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>comp14441_c0_seq1; 359 92 877 LEN=1726; translated
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>comp14442_c0_seq1; 612 133 2250 LEN=2538; translated
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>comp14443_c0_seq1; 70 1 1243 LEN=1975; translated
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>comp14444_c0_seq1; 624 109 1806 LEN=1958; translated
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>comp14445_c0_seq1; 1005 1 3204 LEN=3302; translated
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TKHIKAAIYLMELIGGRNHLELSNAYHKAGTVYHG VNDLRTALRFYQQATAK DSCDRLLE
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>comp14446_c0_seq1; 321 124 1830 LEN=1886; translated
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RSFTFPVYLSAFTLANLTGNLCTFSLMAGLFSASDTLSPQAFGRKDYPEVGYIAIRGFVVA
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IMKPLILV SILCMGFVLPVSLTLCINTMGFLGSAVAYVLFQASQSLFLLGYV VVWKHPHHS
GTWPGLSWKSMQNALEWRMNEFFHLGMGGIVAQCEWVFW EAI GLIVGKLGVVALS VHTI
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DVIDLFTIDNAVKELADVIWSEVSLFNINVS LFGILAGIATGLGKQWALGVIN FVFLWL
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>comp14447_c0_seq1; 103 99 688 LEN=688; translated
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>comp14447_c0_seq2; 388 245 1812 LEN=1812; translated
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DESTAKPNTVTLDDDELFLQLHTISDKTWENLSDNIELKAGEQDCEGEPWDGAWEWNK FVSD
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VNEYGERFSCYYNNNSGKEDFQFLFLGWWQGSNERTDNKSKENRKKTI EFIEREFSDERS
KNVRWRF CIHHMTSAKLSGGGKNRDIMVLADITDACRQHGA IMSGHNVYSRTKMLKSV
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>comp14447_c0_seq3; 305 245 1980 LEN=1980; translated
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GERFSCYYNNNSGKEDFQFLFLGWWQGSNERTDNKSKENRKKTI EFIEREFSDERSKNVR
WRF CIHHMTSAKLSGGGKNRDIMVLADITDACRQHGA IMSGHNVYSRTKMLKSVGTE S
GDDPVPINPTNTDN SMLLVVTEGRTMSITTMGGYDGS CNGIYRNATWMEKCIARGSDHRG
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>comp14448_c0_seq1; 1789 166 3765 LEN=3939; translated
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>comp14448_c0_seq2; 130 166 827 LEN=827; translated
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>comp14449_c0_seq1; 667 1 1799 LEN=2361; translated
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RRKGP SGLNKTP TIVPTSKCKLRLLKLERVKDYLLMEEEFIRNHEVFKPHEERDQEEREK
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PKGVI LYGEPGTGKTL LAKAVANHTSATFLRVV GSELIQKYLGDGPKLVRELFRVADDLS
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PALIRPGRIDRKIEFPLPDTKTRHIFNIHTNKMTLAEDEVFCD SGAGERRRRRRRRSM
MVF CRQ RDPNGTREPCLLEQVVS LFI LRRCFILALIRSQLNTFN RSLRDHFFKMKQVDLE
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>comp14449_c0_seq2; 692 1 1566 LEN=2128; translated
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>comp14450_c0_seq1; 393 236 897 LEN=897; translated
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>comp14450_c0_seq2; 323 1 1004 LEN=1501; translated
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>comp14451_c0_seq1; 1748 59 6148 LEN=6573; translated
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VAIQMATAKPP
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ATPQKTELNPSQTVVSSPAIKTEVSNDSGTIVSGNPHSR IKKAPNESRSSK VDEKSKPSS
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>comp14470_c0_seq1; 666 97 1645 LEN=1738; translated
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QAEEARVRRREQE EARREAERNYLD SIRKGP EGVKHYLGVLLRPEASGDRGEQGAQEGR
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>comp14471_c0_seq1; 999 316 2934 LEN=3013; translated
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>comp14472_c0_seq1; 297 498 1391 LEN=1636; translated
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>comp14473_c0_seq1; 486 1 1594 LEN=2091; translated
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>comp14473_c0_seq2; 564 131 2319 LEN=2961; translated
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>comp14474_c0_seq1; 182 1 705 LEN=795; translated
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>comp14474_c0_seq2; 611 1 1530 LEN=1620; translated
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LGSSYL RGHDYEADLPVADQGLLTRKDGIVEDLQEFWAVEHYGHLGGIECPGVLRRAPL
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>comp14475_c0_seq1; 439 190 2175 LEN=2722; translated
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>comp14476_c0_seq1; 477 254 1960 LEN=2076; translated
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>comp14477_c0_seq1; 185 1 1516 LEN=1516; translated
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>comp14478_c0_seq1; 786 440 2482 LEN=2541; translated
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>comp14479_c0_seq1; 559 1 801 LEN=855; translated
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>comp14479_c0_seq2; 808 40 1179 LEN=1275; translated
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>comp14480_c0_seq1; 206 336 1974 LEN=2413; translated
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>comp14481_c0_seq1; 406 62 1006 LEN=1454; translated
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>comp14481_c0_seq2; 2270 1 7260 LEN=7708; translated
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>comp14481_c0_seq3; 2184 1 7327 LEN=7775; translated
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>comp14482_c0_seq2; 396 1 1572 LEN=2790; translated
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>comp14483_c0_seq1; 329 1 871 LEN=1101; translated
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>comp14483_c0_seq2; 238 102 849 LEN=1098; translated
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>comp14483_c0_seq3; 654 102 1673 LEN=1903; translated
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>comp14484_c0_seq1; 656 1 2682 LEN=3267; translated
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>comp14485_c0_seq2; 202 1 705 LEN=1070; translated
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>comp14485_c0_seq3; 196 1 723 LEN=1088; translated
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>comp14485_c0_seq4; 1014 162 2951 LEN=3316; translated
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>comp14485_c0_seq5; 1102 162 2558 LEN=2899; translated
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>comp14485_c0_seq6; 302 1 1152 LEN=1152; translated
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>comp14485_c0_seq7; 1020 162 2933 LEN=3298; translated
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>comp14486_c0_seq1; 374 1 1099 LEN=1535; translated
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DKFMSS

>comp14487_c0_seq1; 678 185 2316 LEN=2592; translated
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MLFSLYRNGIDLRTFDVDTQQLSHVS RDKDAGKGTENGGEVKEKKMKKVDSLHLEKAVD
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>comp14488_c0_seq1; 367 541 2067 LEN=2289; translated
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KLGHEKLRSQLLFDQKSQVEQRIDNSMRTCSGTSYRRRRRQNHVRPMPFISIDPSNEVVS
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>comp14489_c0_seq1; 284 331 1755 LEN=2052; translated
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>comp14490_c1_seq1; 467 430 1416 LEN=1828; translated
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GLLTPKPQAFKIDVPKSLSTFAIASGLLTASVLSRASNINYLFLCCLATGIQNSFTSTM
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>comp14491_c0_seq1; 527 1 1550 LEN=1768; translated
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>comp14491_c1_seq1; 532 418 2457 LEN=3416; translated
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>comp14491_c1_seq2; 601 418 2358 LEN=3317; translated
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>comp14491_c1_seq3; 541 418 2444 LEN=3403; translated
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>comp14491_c1_seq4; 472 418 2543 LEN=3502; translated
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PYALSIMGSRYTNNCPYGTGNGYGDGRAISIAEFSGHELQLKGAGKTPFARGADGRAVLR
SSIREFLASEAMHALGIDTTRALSLVRSNDGDTSLRPWYSDDAVLQIPDIDDPRLAQYVP
EERRQIIQQLRATRKAADPNMMISEPCAITCRVAKSFVRI GHIDL FARRVLAQQQASSQQK
YDTRDRSWKELEDLIWHACKREYRSEAFDPYFESKNLDQAATLLDLAAVRIADMVTGWV
RVGFAQGNFNADNCLVAGRTMDYGVXVLRARTWVGRRCY EKMIASILTCDL CSPGPF GWMDE
FTPLFAKWTGSGQHFGLNQP SAGFANYQVLVESVAPVIAVARRTAGVTDTEMTDKLLAS
FMTKAQVIFNQKLEGVFNLKLGLPEDADAGEDLWGS LQDLLATTRTDWTLFWRQLTYVMR
DIQDL DSTEYESMLKLI EGGDSVSNSSPFYEPLTPQQRKDWVDWIKEWRETLKITKRPSD
EYKQMKINNP KFVLR EWILV DAYSAAATGDFSLVEELHELCKSPYDEGTPDQIKKFYRR
QPESTIAKGGTAFMS

>comp14493_c0_seq1; 553 56 1489 LEN=1605; translated
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SQSLEKRKRPE SNDS DGESHYQAFHVPKRRKVT DNSNS SGN SILNTRHQLQAGTGKSQNS
NNGCIP SREDRAILSLVGDWLEDSIATVQKQQAQQT HGGSPSLATTTATTAMEMLSEVV
KLKQTKTITRSASLEVTQQTQE QKQSKANSSSTSIESEDIENEGSTFLPFLSNTERTNAP
NNNEDDDEDKKTALHYEIGGKTASALVKDMSKILRAIAAVSRSSGTEVNALEEHNKRGS
NSSNGSTKEGSLICNEIFENEDDVDDDDDEVAEISP DENYVEQNLVCRESGLFDGDGDK
STRDPDEDRRQTTPQLIEQKVALLR TMCLIRSKTLVLT KRMRNFHEKTS AIENPL

>comp14493_c0_seq2; 553 56 1489 LEN=1664; translated
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SQSLEKRKRPE SNDS DGESHYQAFHVPKRRKVT DNSNS SGN SILNTRHQLQAGTGKSQNS
NNGCIP SREDRAILSLVGDWLEDSIATVQKQQAQQT HGGSPSLATTTATTAMEMLSEVV
KLKQTKTITRSASLEVTQQTQE QKQSKANSSSTSIESEDIENEGSTFLPFLSNTERTNAP
NNNEDDDEDKKTALHYEIGGKTASALVKDMSKILRAIAAVSRSSGTEVNALEEHNKRGS
NSSNGSTKEGSLICNEIFENEDDVDDDDDEVAEISP DENYVEQNLVCRESGLFDGDGDK
STRDPDEDRRQTTPQLIEQKVALLR TMCLIRSKTLVLT KRMRNFHEKTS AIENPL

>comp14494_c0_seq1; 249 679 1251 LEN=1306; translated
MRIAHNFAQRYGLKSCIRHSDTSGMKYAQRDKMSYLWTF LRDPTDRAMSVVGATLSQQL
LQSSNRDSFDPTMSTNLTGQTDN ILVYRTLHMLQ NATNDGILGQGGYQLEVCMQDYTK
INEVIYPSNPTEVADVSQLIDSVSRVSSSGMKGFSIGVLF AFFDAKGNFHFNNRAVVS IH

NALGMFGFTF

>comp14494_c0_seq2; 304 219 1511 LEN=1829; translated
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LHSTKIQQEASTIAHVYKPVHPSTWCIDSKLKRQKPGQPRGLSYLRISHSASATLKGIN
MRIAHNFAQRYGLKSCIRHSDTSGMKYAQRDKMSYLWTFRLDPTDRAMSVVGATLSQQ
LQSSNRDSFDPTMSTNLTGQTDNVLVYRTLHMLQONATNDGILGQGFGGYQLEVCMDYTK
INEVIYPSNPTEVADVSQQLIDSVSRTFQAYDFVGLVERFDESLEVAMKLLGLLETSDILYF
AAHRKEDWQQSRVGKKLICRKQFDWETDLLTQPLVKNFLTESKEWHAQNYGDYLFYQAAN
QSLDRITILRIGLESFTNELKQFRAILERSRKECTPIFPCSPGVDQFNESRHDCMGGFVC
GHRCLDRISA

>comp14494_c0_seq3; 304 219 1151 LEN=1206; translated
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MRIAHNFAQRYGLKSCIRHSDTSGMKYAQRDKMSYLWTFRLDPTDRAMSVVGATLSQQ
LQSSNRDSFDPTMSTNLTGQTDNVLVYRTLHMLQONATNDGILGQGFGGYQLEVCMDYTK
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IH
NALGMFGFTF

>comp14494_c0_seq4; 249 679 1611 LEN=1929; translated
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LQSSNRDSFDPTMSTNLTGQTDNVLVYRTLHMLQONATNDGILGQGFGGYQLEVCMDYTK
INEVIYPSNPTEVADVSQQLIDSVSRTFQAYDFVGLVERFDESLEVAMKLLGLLETSDILYF
AAHRKEDWQQSRVGKKLICRKQFDWETDLLTQPLVKNFLTESKEWHAQNYGDYLFYQAAN
QSLDRITILRIGLESFTNELKQFRAILERSRKECTPIFPCSPGVDQFNESRHDCMGGFVC
GHRCLDRISA

>comp14494_c0_seq5; 138 219 464 LEN=576; translated
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LHSTKIQQEASTIAHVYKPV

>comp14495_c0_seq1; 380 150 1550 LEN=2214; translated
MTPASYGRWDLICKFLFFSSQMCYTGFRVATATGEQQYIKASTKYWSVAMFGGGGPMVI
GRHDRPGRFEDGVSPILKGHTGTVLDMDWNPFDSSMLATASEDSTIKLWSIPDDWEPTNE
KGMGRKGDSESLIDLEGHRKRVTLCRFHPTASNTLMSTSAADYTVKVDIEAGSAISS
ECSNLTQDIVDVRGDNYATSNKDKSVKIIDARTGEQTTKIDVAHEGSKSTKIQLCNEG
AAGKLLTTGANKQSGREMKIIDLKNSKPLQVEPVDASGALMPLYDQGTKVIYLCGKGD
GQIRLYEFDESKQPHLHKLNDGFRSTTPGKGYCMVPKRGLDIMSCETVRLKITNTDGIH
PLKFIVPRKSEAFQDDIFPPCPAPSAHTCAEWVGGSSKMPKTMPLDPKSAENGVNGAA
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>comp14495_c0_seq2; 351 312 1706 LEN=2370; translated
MFKIRQSKYRHVYCDAPKQCMCYTGFRVATATGEQQYIKASTKYWSVAMFGGGGPMVIGR
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MGRKGDSESLIDLEGHRKRVTLCRFHPTASNTLMSTSAADYTVKVDIEAGSAISSLEC
SNLTQDIVDVRGDNYATSNKDKSVKIIDARTGEQTTKIDVAHEGSKSTKIQLCNEGAA
GKLLTTGANKQSGREMKIIDLKNSKPLQVEPVDASGALMPLYDQGTKVIYLCGKGDGQ
IRLYEFDESKQPHLHKLNDGFRSTTPGKGYCMVPKRGLDIMSCETVRLKITNTDGIHPL
KFIVPRKSEAFQDDIFPPCPAPSAHTCAEWVGGSSKMPKTMPLDPKSAENGVNGAANG
AKKLVTIPLMTKENAKLKTHTIQTLETCLKDANIAEYEPYVFDEE

>comp14496_c0_seq1; 750 255 2750 LEN=2784; translated
MKMKNPRSELVFSGFCQIEVTADDFRKTVKNEGVAKGSEKKNTTHSKSMTKRIGQILN
SRKKKCPNTANEHNDNRNLSLGSFNNGQSVANKSIDSGTTINASNLFHEKIYSTKTAT
PTCEISSLSKTAVVVGKREDNELINDKNNENERRVRSQRTWKSRLRLVNGRNSKQQSQ
SVASLEYSDTNARKPFHRRHAKSHDGAVSLGVIPSSSFLNTSYPMRKRFRYSEGIGTEEQK
RQHYRANKSFGGIHYGSKSRHAFDQVIRGRLDGIDLSSLGPVCRTSLPDKSLDIMSKVE
TNKSNPPAQCNISDGDSENESEFDP IHYSFTTLQRTLSPGKLVDEMIWSSAVVDQSEVIL
EGFYPGNDRWSVRIPSSSSLEEQLVSKSSEAAENSNQSLSPSAFITKASSDSDDDSTA
VSSWHTHTDFDGTNIPIDELWNSLWGLVATPPPISHMNTQMVTMVAKAADCNEEYH
MVNEEEI IQIVETCNVPVLDLDDAFI IDCQHLQSIHELMLVPLQSRCFDSVVSIFKKV
LRGLQGNKKLKHLNGSTNHNIGMIHLRCRNYKDAMQSFQKAVDIRKGCLPSYHPDIVVSL
QRKGMAGFGLGLVDALVSFESSLAIYTPVDNTRAKILNINIGVARYQLEDYGQALKSFTA
ALEIQRPWIEGPIRRESVVSASTILSNIGKVVYLEKGDHDLAYFVFEEAYLMQTSTFSKD
HSIALSSLDNMARSLAKNGYVEALRIFTSLYRSQEAKFDPDSEICIEVGMIGIAHYKL
LEYEEAEKCMKRVDTWIKHGIDQYHPSALIKDKQFKLIKEGLQGNEMWV

>comp14497_c0_seq1; 316 238 1509 LEN=2290; translated
MARDAHWRWGRQLARIMIISLHVLLGQVRLSSCFCDANRCSRRQKFDSVQGSLLHRRPR
HIGHEQLNLGQVLPDDNGDTEETQQGPLDGLSAAATLVPLVITSLFFLPHSAFAIDNLL
GDSQIIAVNPMNGPDPFRYFLAGGLCASISHGITTPIDVVKTRIQSDPKKYEGLGVVEASK
FILQEDGSGALLKGLAPTUVVGYGLEGAAKFGLYESLKPIIVGLLDLESPIAYVVASVVA
GGVASVILCPMERTRIRLVTDRSFSKYNNLLTGIPRLVEESGLASLFYGLPAMLSKQCPYT
LGKQVTYDAICTALYLIVTTVSDASTKIEVSLVAASCASVVACVLSQPGDVILTETTYKEK
SGPSASRSFPQVVSKEYNERNGVNGFYSGIARLIQVGGIITSQLLLLYDFIKQSLGLPAT
GSS

>comp14497_c0_seq2; 316 238 1509 LEN=1977; translated
MARDAHWRWGRQLARIMIISLHVLLGQVRLSSCFCDANRCSRRQKFDSVQGSLLHRRPR
HIGHEQLNLGQVLPDDNGDTEETQQGPLDGLSAAATLVPLVITSLFFLPHSAFAIDNLL
GDSQIIAVNPMNGPDPFRYFLAGGLCASISHGITTPIDVVKTRIQSDPKKYEGLGVVEASK
FILQEDGSGALLKGLAPTUVVGYGLEGAAKFGLYESLKPIIVGLLDLESPIAYVVASVVA
GGVASVILCPMERTRIRLVTDRSFSKYNNLLTGIPRLVEESGLASLFYGLPAMLSKQCPYT
LGKQVTYDAICTALYLIVTTVSDASTKIEVSLVAASCASVVACVLSQPGDVILTETTYKEK
SGPSASRSFPQVVSKEYNERNGVNGFYSGIARLIQVGGIITSQLLLLYDFIKQSLGLPAT
GSS

>comp14498_c0_seq2; 368 188 940 LEN=1042; translated
MTTSIATKGRQGRWSTPGNSLGRKHAVAMLLLPFLLLLLPDGLFLAGALCLGSSSTHYF
RASFGHRSGLYRLGSHRARTLERMQVQWRLRKQSLGEQSPTPTMRDRSSSYWFSVGDV
RVVEDVYATTTTSIATSSNNNDNDNPAPPPTTKVRQNLGRGTGTVVETWEKCDVDPCCC
AEQVDTDMAVRVALDGPQSREVSCGITKENKTENENETLPGATTASAPVDPFGEDCFYYY
FAEDELVRLR

>comp14498_c0_seq3; 537 1 1053 LEN=1152; translated
SSNNNDNDDDSDSIVDHTGEASGGAHVTTIVIDQEEQDRRGRILVLSVEIAESQNNVKM
LSLLLVMICAMRLALFSAITGAAEPIIDPYNTHQANALHNHTGDHPRNGIYPSDFSD
GTTNAGAYFNDYDYDEGFEPVWETPDYFDLLVSALGFYVGCGLKATVENTSLLATGYA
LGTILVIGIWNLWNVWEFLRFYEEQSEYEREREALHHHNATEPGBSANASATGTPPD
FSHGGYNDDDDEKAYPPPLTRDDFVTVAFFITLMLPVVWFLCCVRAFEFRLLLEAEDEA
AERIRNEYVFREDGTSTSSDLDQDQDGDGHETEFYFGGEHRDRVARAIV

>comp14499_c0_seq1; 481 207 1730 LEN=1933; translated
MATTLFAHASGTRKRLGIVHRVTEKRVSTIPIYASQKQLQWRGRCTATTSCCHSMTGCL
GSKPRDQKQQRQTHRCYSDQKEIDTNEASISTSSRQFLWGEPTPETRRLARSILSQR
SIHADDDFGCNECDGNDSDGDKKGSNQQTAVQMHPRAISRITLMEKSHRHHKKKQGDLL
LTFLLSLSSCSSTSLQONKSGNTTDSAGAEAQPSLLSTETLRIGFAGPPGAGKSSLMEAF
GMKLLQEDPAMKLAVVICIDPSSNISGGSILGDKTRMTRLSRQTDALVRPSSNSGILGGL
AAYTDDVRLTLCAGYPLVFVETVGLGQSEIEVAQSVDLVLLIPPSGGDELQGVKKGIV
EMADILAITKTDELEAAANQTAADYKALRVLHQSHSGSGNGDKWIPPVVRTSSVTEL
GLEDLWLTILRYQQHLLTTGNWGVRRRKQVKYWMWQQLSRMIQNKMKDDPTLNERANELE
RKMLDGLLTPRVSAQVLMEEFMFETEK

>comp14500_c0_seq1; 1355 106 2636 LEN=2636; translated
MPSSNGRGGYKKNKNSKTDSAMLENLRGACPPHKKKDLKLFKQLNGDETKIMEKIQQWW
EEPAPTQEESEAVSKREKPKKRAMGGRGRGGRGDRDQGGRGNGRGGPRGGGGGRGKR
DGDRDRNRDRNGKQDHKKSFPKTEGGDNAAAAGATATAPQVAEAPVPPVGIPTPVVAPAL
KGAWGARAKTAASGPTASAKSSAKALAAARDDSAATEVPSTATAAASEASEPAAPAAP
NAEAAANPALSSMDPGSAVPVSLPPGISSATSTAPALVPSGNVWATKSAHLIQAEPV
APTAPVIAPEEPTPEEPAAAAATEPAPTPTASEPQQPPTLETGIPSSWGKEESAPEPTPA
APSSMELPIPTPEPPAEPQAEQPIVEKPVVSEPPAPVSVQPPAPPAPPKVLNMGRWDTG
GSDDTNDIDFGFGSFGAVSDSNTKDIVQQVSSSNNGSKDQPKPTASSLSASATTATTSV
SPARPPPGLSIGGMPPMPASAVMVHELETKLEGASLTNNSKNVTEQQQVPTVTHAPPAMG
QNAVLPTGLTQQNYTQQQQLHQQQHVMPMSMYNYNTGGAYLGGMPVLLGGMPQQQPGKPDQ
LGHSNSLPQQGLYGTQAPPVSSAVNASRGSATGNSASDNASTPAPSAGVPPGMP
IPYANPAALHYGAQAAAAHQFYAMGGHQQGIYNYGYGGHQQFGGVQGGFGYPQSMG
QNLGYGASHNHYDDQGHQGS SHHSGSGGYQNKSGGGGYRGRNAHSNNQYQNYNPQQHG
GYGGHGGQPYGMGYHGAQGAMSDPYAAMQPQQQQQHEPHGGIHSGFQDDDHNKGRKGR
GGAX

>comp14501_c0_seq1; 715 320 2752 LEN=3237; translated
MSNNSTSSISLATATTLFFCAFVPRGVVHGLSVPLASDPTNVRNQWDLDLQGSFGTVTI
PGASLNSESYSRGRFFDNDGDFSYSPLLPIDSDSAVPYSHHYADHDGYEYTTGAYAPSS

FGSRRFPGSSLSMMASSPPTQVWKYNNLFVGGHKKRNGWGNRRSHSRPLASPALSMANYMQ
NGGPGKGGNNRRRSNGYNNNNYDDYNDNYNDRNNRNNRNRDGYGNNDRLRQQPSSRNNT
PRGSNRFNVTGGLGSVNGANLSQDGRSLQFQNRSDSNTAGRSGRMMDDSFQFAPDNNR
FESRPPNDNYARGGYRQDSRDGYWKDPNNYVQNGPGYNSGGNNSYASSSVPSTGFRPIP
PGDYVSAPAVRGPFFNYEYGRNNVGGGNVPHYDSAYYNNDYSSGNFNGYNTIDGDDEYYSRN
GNVMDNRRRSGGGRGEAPGGDQYYNLDYRDSNRRMDRGGGLMNYRPNYNQRGGNEYDNQR
GDEYYDDPYDSSGSFYNEHEGKRVRRFDPVYDRPDGYYPDDITNDSTDPERMIQNRQR
DGRDVKSGAHLRRYNPEWDSNQGLYNEASLYGNDVKGTRQYSNGYGDDINNRVSPRRRPN
TQDGSWGNRDQYSIRPNNGQYNDYRDDRFVEDGYDRGPNRFDNRQGNRDERYIDRRGGDY
YDQYDEYDGNRSRRDSPRRGLGRRDMDGERDYRGEYGGPNIRRDSDMERFRQKDVK
KNDFYGFETGNTPSKKRIRTRDPRMSNNSQRGNSRQVRGPMQRGREDPRTGRGSTVNG
SYNGSRNGRINGSGGRDRGLSLDDLNELL

>comp14502_c1_seq1; 753 456 2888 LEN=3303; translated
MAAATATPLPIGSNDDDSQTGIIDSIDSSNESPRTRTKRQKTKTNDADQTNGEKMGCG
EETEHSNGSSSTTTNNNNNRDGDPLLVIPNDILTSDLRNSDGSPLLELPTKLAYPF
WYDPHPHIAKWAERLKEELPPYHSEGESGGNEATTTTASIALGKMYGVLVVRVGNTEKET
NNNGSHVQNDANAPLGYLRAYSGMTMPRQYGGDQTTAALDSKAGFCPLVYNRFRERDSDGF
SYEEEEELNGYTSEIERLESCGERSQRETLWVEMQTKLRNQLSEAKKKQKSQKRERKER
RKVFRKLLDGRSGSSICDTLRSMTDKESHRYFLEHSEEYRAMEEELVQESALDQRKFKT
LKAGVQDELQRIEGLAEHHELEDLKRLRREGSIHLQRRLFHEHYHLKNAHYTDDEIGRE
NQOQTTSTPLEIFRDTPLRVPPAGTGDCAAIKLFQHAFFGKGYTPVALAEFWWGPSPHNSQ
SNDFGDGIGNDVARTHGNYPPCCRKCEPILTRHMLIGTRVESDPLTEGLARSWSEKKER
QKHQQSQGGASPFETTPVAVVIPLEIVFEDEWVVVKNPHDVLVSPGRTVPTSIQTELO
KRANAGTETDAPRTFPKLVHRLDYSTSGLLLAAKDAETHKQLQAQFIERTVRKRYTALLE
GELLVDNIKRNKFNNSNAISDADGNTPRSSTIDLPLAGDYLNRPMPQKVERGPEGKPAVT
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DERLCLHAGFLQIVHPHMETLTFEAKDPF

>comp14503_c0_seq1; 506 1 1775 LEN=1853; translated
XLQHFLVSIHSIIHTPKRVGQFVSATSARKAYTGGGRGAGNYGFSRDSRETTLANGRRRIQ
EVASRLRLGGHYVDAHRLFTIAVEKNFVQGRRTIHVVAACLYISCRQEKSQHMLIDFSD
ALQVNVYTLGTFCFLKFRLLGLKLAILDALYIYRFAAHLDDLDDKANEVALTALRLVGRM
KRDWIVAGRRPAGICAAALLIASRAHGFSRHSQDVTRILRVCGMTVSTRMKEFEQTPSAS
LTLEQFNKVELENEADPPAFTKNRIMEARARAIQDNNIELLTSGALDDPMKSKRHSSKWR
ETASSEKTEAFEKLYKSLEKEMKNKNEKSEDDDGNEFEEDDENDDRKPKGKDMQD
CGQKEDGKSEQPGEDDELKSSTKSSETEKKNPDDSTAKNEENQIVPSTNIVQSKWEKAY
PKNSYGKKIILPDHATPEERLPPTQPVETGLDISVWRKDMQPIMIDDIESMFRTPTEVAQ
KEAIFNKINQDYIILEAQKEKNRAEAEQAIDNADKDLIEQAQGMERYRKRKGRSKDGTTE
EALLEVVANRKISRKINYDAMSSIFDDGSFSGGTALEDPFASKENPGADYV

>comp14503_c0_seq4; 96 656 1222 LEN=1384; translated
MSELTCPNCGSKNIESQGAAGNCVCTECGVIVEENAIVSHMEFVEGAGGSSSMVGQFVSA
TSRKAYTGGGRGAGNYGFSRDSRETTLANGRRRIQEVASRLRLGGHYVDAHRLFTIAVE
KNFVQGRRTIHVVAACLYISCRQEKSQHMLIDFSDALQVNVYTLGTFCFLKFRLLGLKLA
ILDPALCK

>comp14503_c0_seq5; 578 656 2536 LEN=2614; translated
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TSRKAYTGGGRGAGNYGFSRDSRETTLANGRRRIQEVASRLRLGGHYVDAHRLFTIAVE
KNFVQGRRTIHVVAACLYISCRQEKSQHMLIDFSDALQVNVYTLGTFCFLKFRLLGLKLA
ILDPALYIYRFAAHLDDLDDKANEVALTALRLVGRMKRDWIVAGRRPAGICAAALLIASRA
HGFSRHSQDVTRILRVCGMTVSTRMKEFEQTPSASLTLEQFNKVELENEADPPAFTKNRI
MEARARAIQDNNIELLTSGALDDPMKSKRHSSKWRRETASSEKTEAFEKLYKSLEKEMKNK
KNEKSEDDDGNEFEEDDENDDRKPKGKDMQDCGQKEDGKSEQPGEDDELKSSTKS
SETEKKNPDDSTAKNEENQIVPSTNIVQSKWEKAYPKNSYGKKIILPDHATPEERLPPTQ
PVEGTLDISVWRKDMQPIMIDDIESMFRTPTEVAQKEAIFNKINQDYIILEAQKEKNRAE
AEQAIDNADKDLIEQAQGMERYRKRKGRSKDGTTEALLEVVANRKISRKINYDAMSSIF
DDGSFSGGTALEDPFASKENPGADYV

>comp14504_c0_seq1; 412 343 1595 LEN=2285; minus strand; translated
MRSVSLFVALAFVALGTTVGFTQYRRVEFDGARKTASAALNRRLVACAMSSLDYYSIRN
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SYEFVYHAFEIYEDYIPLRLAGRVVYRELKRVVDESKNYKESQINAAMEGTGMPRSE
VEACWSTFAEIVSDRRLPLEDLESYVGTMTLKYVLDGSGESIGNRAREEGGVSFEELLVC

LNNYRIRYSGNDGEETNATAFMGKPATGNLLQQUALNPSGDAAAQARKGHELSPKRQKYNQ
KYDDMLVQVFSKWKPLIPSGEGRRLQILKGCDFVSGENPAVVEALRIIYVDYGALRLSGDWI
FKVVSALMGXDRAPAQPAKKEAAAATVARTAALAAGICGSSIRASRLFLYGALGVDVR
>comp14505_c0_seq1; 645 216 2090 LEN=2182; translated
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YKSLLRQLQGYNFRVTHGINKGEVSHPLFVRGRKSETVKMKRSPKTLKESLKSSTPKV
SSSDVVIIPTRIGSIKAENSISEAIPSSLRNSTSQYKTKSVIGVQPSTIKAISGFQPPPTAP
MTKPSQVEIQFQMGQNERQPQQKSLSSNKDHMSIYNTAGHQHCYQQGLKQGLDAALRVE
IGCTLSTSSSTDSKQTNASSIKSFSLKRNASLQQEKHHLAQGSIAPNFHTQYFKRQRNH
ERVERQNSQKIKFERSHHNASFPISMMQHLYRKQKQESQILEGKKMQFQNYQADQREQFR
EVRKMTQLPSQVPSSSSFASQPQKHQIFQQGKPFDPVSGALDLDISLTTTTTTTTTFHSNG
NSSVETQICKEFAFHPELEPTPFRTPHNDSTCNITIIINNSKNNVLSNPTGKVTLGLTS
GVSDIDIGIAQAFDDEPVLNPTIAFDSVRDGEESKEVDSWTIAVENIVFGGKSDCVKEP
ELFQQEADSLFLNNNNNSHCQPILQQQNQEMMLMDHKQRNIYNINDGGRNPLPQHLISK
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>comp14506_c0_seq1; 1054 232 3490 LEN=3975; translated
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RAPENRRRNGDHNNYSRATTSSGSSKRLTLDEFFSDLAKQSTEESSNSKFGTKRISRTRP
YGKGEQQQRKNRRRDQQRNSNNNNNRMQSRPTMREAPAPGLGSFFDEVDALMERNQKEKE
EIKEKGWTKASMPSETRPSIADIISPLPPISRANAKDGAATDGEDRVSFHPFTQSGDE
SFDQYNELLEEMEGPKFLVRLQKKKTINDDNNEERNRQIQQIVEWLRSEVSVIETRLP
TLSNALKGEDEIVEATHAENGLAIDEKRNITNATIADVADR SARFREELSDQKERFTT
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TFSLPKRRNISTNNKATPNLGFVGEERIENDYLSSEGEDGSSLSALDLLNGTSTLPSNV
DGDEEEIEEDGIDVSAEVALCHDFHFHEPTEQSIGIHVRRLVHLGKANEAEERLLEATMVSL
TLELQVHRSNFQSLSSPFSNKLNRIFPYRTFSLSCMXPHGSLSDLKKSDDLRLRTYAPI
YQSYLDQGDIAFAFKLVKMSDAENVLLQTETVYVQLIAGIAENGYFRLGAEIEISDIENLH
YSVKSGPELNFELASELAEHSVEITSASTKRLYNAFQRFKGHDSRTNLKQLHLLLESRLV
ENDLAKPDELIASRVRIDETTGKCARSGSQLRLINLDSAQKKKFRDGLLYLVSSSYQERH
RNARKVDVAEKLKRFQDWLQKKDGKSFTAIIDGPNIAAYMQNFQQGTFNYHQIKFVADAL
ENMGEKILVVLPPKTYTDSFTIQVGGRTVKQTLSEKQIRDDLKSKGKACVVPVGSLLD
YYWMFASVSMDEEFVPPNNAEGRWPGNRPMLISNDKLRDHKMSLLEPRLFRRWYSNLFVN
FTFSAFVNDECTDREIGFRTADFYREIQGNSDENGTTWHFPVTDWDENESMCIRIPTKK
GAAEY
>comp14506_c0_seq2; 1168 232 3339 LEN=3824; translated
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>comp14507_c0_seq2; 458 169 2290 LEN=2290; translated
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>comp14507_c0_seq3; 311 169 1243 LEN=1243; translated
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>comp14508_c0_seq1; 1177 1 4071 LEN=4104; translated
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>comp14508_c0_seq2; 883 379 2679 LEN=2679; translated
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>comp14509_c0_seq1; 457 91 2109 LEN=2212; translated
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>comp14509_c0_seq2; 521 91 2013 LEN=2116; translated
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GNERKDDFFR FC LDTQTWTQMNNK GSKSPRYFHS CVLYENKLITFGGFSGSKRLSDMHTY
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CED IIRKEINLENATSVLLTGHQH NAPGLKDIALEFITHNLNQKSIQIGLDELKTEP
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>comp14510_c0_seq1; 432 198 1628 LEN=1851; translated
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>comp14511_c0_seq1; 310 524 1489 LEN=1614; translated
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HARSYFEV VSE DFRV VHPNLRFLSRQELGGDRNVATRAYYEGGLAELQEQEILAE
ENEIHHDDLNVFIQ SQHRSVYVEAPLLKEQSEFVIGLGGNTAAGVDNNE DCILEL
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>comp14511_c0_seq2; 310 667 1632 LEN=1757; translated
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ENEIHHDDLNVFIQ SQHRSVYVEAPLLKEQSEFVIGLGGNTAAGVDNNE DCILEL
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>comp14512_c0_seq1; 876 92 3814 LEN=3972; translated
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DTRVTS SITPYNSQNSDRFDPLDSIITCEDDVFRMFGRIMLSGN GIKFIQSK
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>comp14514_c0_seq1; 1121 102 2885 LEN=3830; translated
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>comp14515_c0_seq2; 178 1812 2294 LEN=2748; translated
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>comp14515_c0_seq5; 263 58 1964 LEN=2418; translated
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>comp14515_c0_seq6; 94 58 549 LEN=2647; translated
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>comp14515_c0_seq7; 121 58 1154 LEN=2511; translated
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>comp14515_c0_seq8; 301 696 2018 LEN=2472; translated
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>comp14515_c0_seq9; 250 797 1570 LEN=2655; translated
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>comp14515_c0_seq10; 327 58 1863 LEN=2317; translated
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EPGVAVHSNVDPHVTIINETSELVIVEKPGTMP IHPCGGYNMQSLMNILEKYYKSKYKDG
ISDVKKLYTIHRLDRLTSGLVILGKTSSVAQSYSK CIMNRSCQKVYLARVAGKFP LKYPW
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WIEDGNQASIFENDCDSQKNMLDQVFR CRHSVDEWLQSIDSKIEEEKQREKKIWFHLAC
PTRIAKHKDGVCEAGSFDHLDDDLYKKT VKPAHSSFGVVSYDEMTDSTLLVCRPYTGRTHQ
LRLHLQYLQHSIANDPNYGGDMWYANPDGKQACKIAQDRLSI IKSAGDAEAQSLTGISIN
GKKMCVTVDKPPHEGTRTSAIDVPATESEVQDEIARAVRQNDESIHSFIERTCVWCARS
SVPSSEDRSVLEFLIRSPGIWLHALQYTFTTNNDSDDDDEGKRKVVQSFRTQLPDWHDISV
N

>comp14515_c0_seq11; 168 1509 2212 LEN=2666; translated
MAFVKQVLXDHLDDDLYKKT VKPAHSSFGVVSYDEMTDSTLLVCRPYTGRTHQLRLHLQY
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VDKPPHEGTRTSAIDVPATESEVQDEIARAVRQNDESIHSFIERTCVWCARSRSVPSSEDR
SVLEFLIRSPGIWLHALQYTFTTNNDSDDDDEGKRKVVQSFRTQLPDWHDISVN

>comp14515_c0_seq12; 185 58 1053 LEN=2410; translated
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KGRWEGRTILDVYSTEFSGSYPKSYYERAIDQGRILVSDKKVSATYLIKGGDVLCHTVHRH
EPGVAVHSNVDPHVTIINETSELVIVEKPGTMP IHPCGGYNMQSLMNILEKYYKSKYKDG
ISDVKKLYTIHRLDRLTSGLVILGKTSSVAQSYSK CIMNRSCQKVYLARVAGKFP LKYPW
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WIEDGNQASIFENDCDSQKNMLDQVFCRHR
>comp14515_c0_seq13; 301 797 2119 LEN=2573; translated
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GKDSSNDASRLRKLHALACWIEDGNQASIFENDCDSQKNMLDQVFCRHSVDEWLQSID
KIEEEKQREKKIWFHLACPTRIAKHKDGVCEAGSFDHLDDDLKKTVPKPAHSSFGVVS
YDEMTDSTLLVCRPYTGRTHQLRLHLQYLQHSIANDPNYGGDMWYANPDGKQACKIAQDRLS
IIKSAGDAEAQSLTGISINGKMCVTVDKPPEHGTRTSAIDVPATESEVQDEIARAVRQN
DESIHSFIERTCVWCARSRSVPSEDRSVLEFLIRSPGIWLHALQYTFTTNNSNDDDEGK
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>comp14515_c0_seq14; 121 58 1154 LEN=2593; translated
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AIDQGRILVSDKKVSATYLIKGGDVLCHTVHRHEPGVAVHSNVDPHVTIINETSELVIVE
KPGTMP IHPCGGYNMQSLMNILEKYYKSKYKDGISDVKKLYTIHRLDRLTSGLVILGKTS
SVAQSYSKCIMNRSCQKVYLARVAGKFPLKYPWKKLSSKKPLHGEISLDGEWKLESDYR
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CRHR
>comp14515_c0_seq15; 212 58 1415 LEN=2500; translated
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AIDQGRILVSDKKVSATYLIKGGDVLCHTVHRHEPGVAVHSNVDPHVTIINETSELVIVE
KPGTMP IHPCGGYNMQSLMNILEKYYKSKYKDGISDVKKLYTIHRLDRLTSGLVILGKTS
SVAQSYSKCIMNRSCQKVYLARVAGKFPLKYPWKKLSSKKPLHGEISLDGEWKLESDYR
DKGDIREQQNPSSSGKDSSNDASRLRKLHALACWIEDGNQASIFENDCDSQKNMLDQVFR
CRHSVDEWLQSIDSKIEEEKQREKKIWFHLACPTRIAKHKDGVCEAGSFDHLDDDLKKT
VKPAHSSFGVVS YDEMTDSTLLVVRTIRQCNE
>comp14515_c0_seq16; 94 58 549 LEN=2554; translated
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KGRWEGRTILDVY STEFGSYPKSYER AIDQGRILVSDKKVSATYLIKGGDVLCHTVHRH
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>comp14516_c0_seq1; 492 8 937 LEN=4137; translated
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TRDMVNK LKAQGKEADIVIIGDKGRSQMRRTVGEHV VRSATEEVESPGTYALASALSTELI
AAGAEDYDAVVM IYNSFVNAAVYNQMYKVVTPLKPS EDGSEILPTYDFDSDKAESMTDLY
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ISGASAIIEE
>comp14516_c0_seq2; 492 8 937 LEN=4036; translated
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TRDMVNK LKAQGKEADIVIIGDKGRSQMRRTVGEHV VRSATEEVESPGTYALASALSTELI
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ISGASAIIEE
>comp14516_c0_seq3; 492 8 937 LEN=2289; translated
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GDEQRLAAAI PFNNWSYEIYSEPTLIEDATFEELPQKVLVVPFTSDKGLCGGINSFISRG
TRDMVNK LKAQGKEADIVIIGDKGRSQMRRTVGEHV VRSATEEVESPGTYALASALSTELI
AAGAEDYDAVVM IYNSFVNAAVYNQMYKVVTPLKPS EDGSEILPTYDFDSDKAESMTDLY
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ISGASAIIEE
>comp14516_c0_seq4; 492 8 937 LEN=2188; translated
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TRDMVNK LKAQGKEADIVIIGDKGRSQMRRTVGEHV VRSATEEVESPGTYALASALSTELI
AAGAEDYDAVVM IYNSFVNAAVYNQMYKVVTPLKPS EDGSEILPTYDFDSDKAESMTDLY
EFVLSTQLFHCFMDGAASEQSARMTAMENASNNANEMIDSLTLRYNRARQARITTELIEI
ISGASAIIEE
>comp14516_c0_seq5; 492 8 937 LEN=3837; translated

MTMATLRTFVRRASPRVMAVATQQTRGMATEKQIFNQIQSTKNIKKITSSMKMVSAAKLK
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TRDMVNKKAQKQKADIVIIGDKGRSQMRRTVGEHVVRSAATEVESPGTYALASALSTELI
AAGAEDYDAVVMYINSFVNAAVYNQMYKVVTPLKPSGSEILPTYDFDSDKAESMTDLI
EFVLSTQLFHC FMDGAASEQSARMTAMENASNNANEMIDSLTLRYNRARQARITTELEI
ISGASAIIE

>comp14516_c0_seq6; 492 8 937 LEN=3736; translated
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TRDMVNKKAQKQKADIVIIGDKGRSQMRRTVGEHVVRSAATEVESPGTYALASALSTELI
AAGAEDYDAVVMYINSFVNAAVYNQMYKVVTPLKPSGSEILPTYDFDSDKAESMTDLI
EFVLSTQLFHC FMDGAASEQSARMTAMENASNNANEMIDSLTLRYNRARQARITTELEI
ISGASAIIE

>comp14517_c0_seq1; 459 229 1715 LEN=1715; translated
MGRYHFRRDDEEDDEHHIDATDNDHNSNGMHHCYGSSELEGEIEEEEGDMTRDYRRTNHH
NSHHGMDMDMDIDVVVDDTNCDDYESRCSQTRWQAPKRSAVEFCIDIDRYDDVNDADFHD
GNRKRPFSSVPSFASLAGGRAHGDRCGDSQNNCRKAREDDGGHDGVDPPDERCRGSQ
DQNSSETQNEYRLIASKYDRNYDRDDFFRSGTNAFSEGEQDHEHNDVNNGNTHNTHCPQ
HDGSNQIVRSPFSNRQLASNTSNAKPEIHYHIYVSESQASRWFPPVEDEINSRHDDGT
EKDRRTRRIGGIKRITSMALLTHLLALLAYRYNLIPAVPEWMSVSPPPSYLTWDEYYHDQ
FRLVKRVSREANSLWKHLLTTARARSSNIKSSRTSSDIAAPIYDFPESWWSFPEKQQASQ
TNIDVDGGFEDGQYNSFDVDRYYPHGGWLHGHQVLEDLRIGLNAWSSKKANQREARQRQ
RKRHGYHSSSSSSSSX

>comp14518_c0_seq1; 460 258 1178 LEN=2016; translated
MTTASMSPYNENTSLLEPEETDVEGVETSARLAFERSNGDASRRYHQKRTRPSPEHDSEE
EPWHQSAGLLQPVIFGGDLGILTSFAIVAGAAGGGLSITAVLVLGFSNIFADALSMGVG
EFLSSKANNEWILSEKKREEWEMENYREGEIQEMIDIYVVKGLTPKDAKLVETMAKYDD
FFVDIMMQQELELQVPEEDHVEQSMKEGFVMFCSFAFFGTAPLLGYTLIPWLFPHLESEI
LFRSACAVTGLVFLFLLGSIKSNFSGTNWFWSGCETLILGGTCATVAYTI GFFVNSMLDED
DSAGTL

>comp14518_c0_seq2; 305 1 757 LEN=1595; translated
EEAKINDDFMDVLSFVPAFVFLDEFSLGKGHDIAAYDIELLHSSNSLNRVVENILSVVSFH
SMGVGEFLSSKANNEWILSEKKREEWEMENYREGEIQEMIDIYVVKGLTPKDAKLVETM
AKYDDFFVDIMMQQELELQVPEEDHVEQSMKEGFVMFCSFAFFGTAPLLGYTLIPWLFPH
LESEILFRSACAVTGLVFLFLLGSIKSNFSGTNWFWSGCETLILGGTCATVAYTI GFFVNS
MLDEDDDSAGTL

>comp14519_c0_seq1; 672 101 1789 LEN=2011; translated
MAPRSGALALVLFVCRGWLLPWSGVRAFRGETSDRVRSRSHHHRPRDGCFLVVEPKNPWQ
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GADLAEFLTRLYLGQLEEPDIAAEQRARARNPSLAAHNYGETNSQQKKIVYEPQNI RSPR
WKGLETRREGILALKDLLRESLSRDLLSAQEIARFGEAFLLEKEYRWP SGIELAGSKSTENN
SRNPTSSAPQGARAGEVVFEEDTFYGLGHARTLARVLLAVRRDRGCNEFHQNDIALMLTL
PEKRDEDRETTPLRLIEFLRTIAARSQLEADKAGIVRHMALSGWSSGGI PRFMAELFPI
ESPAQNHAAEQMCRLOGDSFFDFPSAETLASELESKRTRTNAAAIAVANDPRGRSAKGT
KKKETAEAPAENSEDARESEQFEDELVQSYWKKVEVKTP IKPKIQPSYGVPRTKS IKKR
TIPKKGFGVSIKTVVNAETKTVETSKTTSSVGSEAKHSVGSKTKPVVKSSTSSVVKSKA
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>comp14519_c0_seq2; 673 101 1813 LEN=2035; translated
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VEPKNPWRGGIAGRWTTHLHPHRFHGGYDPSPLQWTPQQAEEFTIFHNGSPLHAGMQL
RTAIQHWSGADLAEFLTRLYLGQLEEPDIAAEQRARARNPSLAAHNYGETNSQQKKIVY
EPQNI RSPRWKGLETRREGILALKDLLRESLSRDLLSAQEIARFGEAFLLEKEYRWP SGIELA
GSKSTENNSRNPTSSAPQGARAGEVVFEEDTFYGLGHARTLARVLLAVRRDRGCNEFHQ
NDIALMLTLPEKRDEDRETTPLRLIEFLRTIAARSQLEADKAGIVRHMALSGWSSGGI PR
FMAELFPIESPAQNHAAEQMCRLOGDSFFDFPSAETLASELESKRTRTNAAAIAVANDPR
GRSAKGT T K K K E T A E A P A E N S E D A R E S E Q F E D E L V Q S Y W K K V E V K T P I K P K I Q P S Y G V P
R T K S I K K R T I P K K G F G V S I T K T V V N A E T K T V E T S K T T S S V G S E A K H S V G S K T K P V V K S K T
S S V V K S K A K F V A K S K T K S I A K S E T K P V V Q S

>comp14520_c0_seq1; 193 1 1192 LEN=1365; translated
XKNSHVVFMRLYLWWTVQESRSIELTRFQKDIPPVLFPLFENLNENDLDCVLNFSFADS

PIDPDNDFEIKKSGIWDEVKKYALRENKRAFPEDEGEFPWQEFEHVVDQMOTRTRNNVDASALADVTWPELWQELSLNQIAEAVHGEYPCSLQAALVDKLFREGISPCCGNPYRSNKDFNGLQGRDIADINTWSFRVVGPIINFALKWYEGMPRPEEVAMLIKAGELTTEKDGVPAGVVSIIKELGGLPGSNAAEFTAYENGCP IHPSWPAMHSAASTLSFWLPAIVELTGEQYCQALRTDFAVSYGRTVAGVHYPPQDNLAGLNIGMKI IHMKLPEFLAENFGFDKTIVEDRLNKLWFDWNTFDAKNCKIGNESAAERIAKVNGYTPNVNPDGMGVTIEL

>comp14520_c0_seq2; 289 39 1256 LEN=1429; translated
MIRLSHSIIFNFFVAVSVYTRSAQSQMEESRSIELTRFQKDI PPVLFPLFENLNENDLDCV LNF SFADSPIDPDNDFEIKKSGIWDEVKKYALRENKRAFPEDEGEFPWQEFEHVVDQMOTR TRNNVDASALADVTWPELWQELSLNQIAEAVHGEYPCSLQAALVDKLFREGISPCCGNPY RSNKDFNGLQGRDIADINTWSFRVVGPIINFALKWYEGMPRPEEVAMLIKAGELTTEKDGVP AGVVSIIKELGGLPGSNAAEFTAYENGCP IHPSWPAMHSAASTLSFWLPAIVELTGEQYC QALRTDFAVSYGRTVAGVHYPPQDNLAGLNIGMKI IHMKLPEFLAENFGFDKTIVEDRLNKL WFDWNTFDAKNCKIGNESAAERIAKVNGYTPNVNPDGMGVTIEL

>comp14521_c0_seq1; 766 1 2688 LEN=2889; translated
VQTARNYSKRDPKSHIFVEHGTLDLDEAHLTLTPAKGGGYYSGGLLEAKLAVATNNASGKTW FCRMTNHYLTPSPRSPPLVVLVILMVICFAVVALADDVETITCSGGWAGDSQQIIPKAWIN DGYCDCPYDGKDESNTNACSGSSNWPVGAASVAAGLPETGANDFSCPQQKNLVLVPASRVH DGI CDCCDGTDEEGYTSCPDVCDEVLRAREVLAKITNEFLIGSRKRAMDLVQF SERRAS ELVEVSKLEQELKNCNNDIELIEGTEIVELKRSYVRSRMATMKDKVVASQMATDLLAGLE DSELEDLIVHLCQLSGEIAKANGDTAADDNTCAALRIAAMDMLSWNDHEDFEHYETSMA XKVMTRSMNIVFNAMDANSKGGSPALPLRWKEVHSGKRNKRRRRLDEVLEDDFME DEWDVHDDAFDHDYHDDHDDFEDRHRDRDLERHRNRNEHHSGLLEASGDAVGKEREILE KIQDSIFSTTRAKFLEQSQIIDKVNKILDTPSTEDDDETDAEVEEGTESGDRTEAQSDE SEAVSASPSTIDPAA YGMVRNKLREKQSI IKKGFRWAASAELLFAFSSLSSESSEKLR LAIGTIFYGQISSIQVWQILLAILPEYNASSISDKENTCASPWVDYCPPTQVRTMLGTEYPP SFLIDVAKTFCDEEALKFGRDGNDAPECSDSIDTIAESTLDFGYTIPRRRNQENDPLHS MFAPIIISLPIDAEGLSLEDTKEKLEAKKTDLTRSINDIWKAIIGKDGTELGRDGELHSI ANECFEIVAGKYTYSACIFGKAQQKDGSSKTNLKGFKGIEYVSDDSAGHTHTRILK WEN GARCWNGPDRSATVHMCKGSKHKLISADEPDTCRYVFEMESYIACDESYKRLMGL

>comp14521_c0_seq2; 677 1 2279 LEN=2480; translated
XESINYNGXRNLDSLKHCSGLPETGANDFSCPQQKNLVLVPASRVHDGICDCCDGTDEEGY TSCPDVCDEVLRAREVLAKITNEFLIGSRKRAMDLVQF SERRASELVEVSKLEQELKNC NNDIELIEGTEIVELKRSYVRSRMATMKDKVVASQMATDLLAGLEDSELEDLIVHLCQLS GEIAKANGDTAADDNTCAALRIAAMDMLSWNDHEDFEHYETSMA XKVMTRSMNIVFN NAMDANSKGGSPALPLRWKEVHSGKRNKRRRRLDEVLEDDFMEDEWDVHDDAFDHDYH DDHDDFEDRHRDRDLERHRNRNEHHSGLLEASGDAVGKEREILEKIQDSIFSTTRAKFL EQSQIIDKVNKILDTPSTEDDDETDAEVEEGTESGDRTEAQSDESEAVSASPSTIDPAA YGMVRNKLREKQSI IKKGFRWAASAELLFAFSSLSSESSEKLR LAIGTIFYGQISSIQVW QILLAILPEYNASSISDKENTCASPWVDYCPPTQVRTMLGTEYPPSFLIDVAKTFCDEEAL KFGRDGNDAPECSDSIDTIAESTLDFGYTIPRRRNQENDPLHSMFAPIIISLPIDAEGL SLEDTKEKLEAKKTDLTRSINDIWKAIIGKDGTELGRDGELHSIANECFEIVAGKYTYS ACIFGKAQQKDGSSKTNLKGFKGIEYVSDDSAGHTHTRILK WEN GARCWNGPDRSATVH MKCGSKHKLISADEPDTCRYVFEMESYIACDESYKRLMGL

>comp14522_c0_seq1; 904 1 3188 LEN=3421; translated
XAPSKTGSPAAPPMSSQAPT PFGNKPPAAAVSKNGSTAAFPMTSKSPTPFGSKPATAV PSKADSSAAPPMSKAPT PFGTKPTVKPISSNSFTLPGSNGGGKVLSSSPFEKQSNRFP QATHNPTGQIKSHGKPLTKLELQFGSVINSFSFTISEVSKMRVETFIADNELRHEIEELT IQVEQERTKLLNVDDSLAKNRSETAFLLSRKTDSRQLDITTKGIIQEINESNVEGIQSIAN AQALDRESETRRRRFAASSRNLVRRMELAKERATLLEENNADPAIGQNLLLRRLDLRYR RAKAFEMVSSRIRRDVSAVSEKNPFRGRAKRTRAGSTYSLDNSLSPKGYNKLRPIDIE NKRKPFAREVSKSSVSHWKNIESAMTQLSNENMKMDRFDTLSEVNSEQATPDRKKE FRQHSAPCGLLISASAKSQSNRMQEQSLSVSKRVSIFSPPSKPRARSGWDQPATIDVDR VTRFSLDAPQDLKKTTLSDSRDLASFGTTPERLKAADIKKESTSLPLSTVGSQSKDV PTKRSTIETAALPPLASTAPSNPFSNASGKKRETVASVATTKSIAQKSTSSSAALPPMPK QAPSNPFSKGPINPSSAAKSNRPEAKSPLPPPQKASLKEKEATSTSFSGMKVLGQSLSS ESMKSDAKQAPSGAMKSTSATETSTGKDFKITLTSFYQKYNASKIGEVDKTLQKYKGRE PEMFQKLSAKYKVPNPLQESQAPLNSTSMTMTNQSTSPMGFGNSGSTMAASPSSSTTT QQNSNPPAAPFNQSKNSSPFGTSTGTSAASKSNVFGTQAQSPFGAMNTQASATPFGGSQ PPAQSPFGKTASSVNSSTPFGTSGGLSSASPFSGSAAAPSPFGVASPSPMQPN SQRLFN GK

SARELLHQFYQEKNPSKLAEVDKLLAKYSGQEEQMFRNLAKKYQLDPSVFGVSTTAPSHG
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GSSGFGSLAQSSNPSFPGGQSSGFGVPAPAFGSATPFGAPRR
>comp14523_c0_seq1; 249 224 1759 LEN=2918; translated
MGKSTGKPNNGNLSSEIAMAAIALTCGGI WALRRREKHLRSRWIEAE EEPKRSDSENAGQS
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DLNRLMFYHNEGKSLRVTIVMLDQSSQRVLSEARQKILQPLNYSWDIYSKGVWIPEINI
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LVALWRVTGERMVVENGAYTVCDRHATSIDPMIRLRREIVDCF TNEEHEYNFHLPLTHQHR
AESMDKQGGQEGTKLESNPNGTQGGGIEQAIDDSGAQPPIPGKPGMKRRHTIELKTPGL
GSGDGF IHTTLCRLPLDCLSTQDVELEPIHRLCREATATYSGHRMLVHEFRFLETTGAGG
DSNPCTSP LFD ETMAAPSKVVYKQSTLGARCTSDSLEGASRENSGDGRSNAERNALTTGH
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>comp14524_c0_seq1; 747 257 1579 LEN=1828; translated
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GYDDFNQIHHAPIIDNYYVPGTLPLTPFTLASGSLG LLLVFRNTAYQRWDEARKNWGM
NINHTRDLVRMGNAFYDSTDVDPATRQADLERLSVCTWAFVRSMKRHLSPEWEDEASFR
ELYERLPESQANAIINAHRPNRALFDLSMAIENLPMHFMRKNE MHKALTI FEDNLGSSE
RLLTSPVPLIYNRHARFLSFWLLMLPLALYKPFESTWNHVGMI PATAIISLFLFGIEEL
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VNGNNGNSFVEPQLQEWGRQ
>comp14524_c0_seq2; 761 81 1355 LEN=1788; translated
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DI PYGEESRK YRRTVYSHDDVWKHRSPDRFFNNILSTTKSGIYKNVGREVLAVTLIATL
VMLWNMLS GEYTDLTGAVHPGILRGQYTPVLSLPMNPFTLSSSFLG LLLVFRNTKAYQRW
DEARKNWGMNINHTRDLVRMGTSFYDDSQS SPEQREADLDRLSKCTWAFVRSMKRHLS
PEWEEDEE DFKAELYQR LDPEQAQAI IDAHRPNRALYDLSLAI EQLPMHFIRKDE
MHKALTI FEDNLGSSERLLTSPVPIFYNRHVARFLFVWLSFLPFALFDPFKESWNH
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>comp14525_c0_seq1; 232 23 1309 LEN=1758; translated
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LYSENPPQLRNAVRERSLADSPIDIQND FETNKNETEREISFLIEELADRNEWRRV
FPE NKPFWKGGQFKKVVLDQLLRDERLNRKKVRIKAMMPDIWKRWKKFNLT
TIAEAVNSEYPALHQGNLLEFFASGSLRYPNPNFRSLNDFVGLQARLACINTWAFH
AVAPVNFGLKWIYGM PRPEEVAFAITEDKLTDDGIPRDVEMVKEMNLGSAPEFTAYE
KGC PFHPSWPAMHSAGSTLSTWLPVAVDLKPEQYEQALRTDYAVSYGRSVAGVHYNQ
DNLAGLNIGMKIMQLKLPQYLAKEFGYNENTIRERLDALAFDWN DYNPRQCKIGDLT
AGEHLAKIARTGELSFDPEVRAGRASW
>comp14526_c0_seq1; 1863 189 4553 LEN=4713; translated
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TVPQELVVEIADSLADRVL DADKSDLRDVYAI GLRTL IKTIPPQMGDRTSERLSGR
LLEGI RTSSGEGGQEQHDASEDIILSCLDILTDLLERFGATSISVTRRHEPILQICL
RLLTASDASVVVRKRAGNALGCLSVVLS DALLVSAVERLLS QIEESESSENTRALIR
TTCTISRWVGDR LQQPQIDRIPIFLKFTNPEKASTGDDDDDEDNGSDGAPMDDDD
NSLDSANDEALAMANELRESCFMGFESFVQKCP SQVEPHLDKIVQAALAYMSYDP
NYSYGV EEDGTGMDDGGDGEDYD GDDYGYDDDEYGE EDDFYDDEDEDES
WKVRRSAIRSLTAVVETKQDDPGFLWSRYPYVRKNKSVDCVASALVVRFKERE
ENCRVGILETFTKLEVTTKKVAGGSSTASNGGGEHSSATLR FVTARDDEEMK
DGDAAVVVDLRNNYAPKLVKACEKLLGDNKKSKGVGERSKSQLGLLS TLCKAP
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>comp14531_c0_seq6; 239 1 2214 LEN=4200; translated
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>comp14531_c0_seq7; 249 471 1267 LEN=1928; translated
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>comp14531_c0_seq8; 239 1 2214 LEN=4606; translated
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>comp14531_c0_seq9; 239 1 2214 LEN=4309; translated
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MDAICARVCVAKKPLA

>comp14531_c0_seq10; 745 1 2214 LEN=2469; translated
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PNSNEPSDQFRNIFKAQVLKDEAMAHRTGLIKKEEDGTGASNEKFLVIAGNGHLLHYCG
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VGDTANIPGNLSKAAWIMHSLGYTEEQFDAAGPDVYNFQGVGNPHLQANIQKGDVLDVG
SGLGIDSTIACHATGPEGIVIGIDISEKETKHALRRAREQNLNAHFVADMENMSHKIPS
NSIDVVISNGAFCLAPNKEKAFRELYRVLKPGGRISVCTTTTQEENLEPGISWPLCMKMF
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MDAICARVCVAKKPLA

>comp14531_c0_seq11; 249 471 1267 LEN=2334; translated
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PGDIEKEFLSAKLEATFEEDGTLLKDDRQDSDAIGDSSVSVSTEPASTNWFQ
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SGTRIVRAGRTGKDEDAMLFYMKKE

>comp14531_c0_seq12; 239 1 2214 LEN=4701; translated
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PNSNEPSDQFRNIFKAQVLKDEAMAHRTGLIKKEEDGTGASNEKFLVIAGNGHLLHYCG
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SGLGIDSTIACHATGPEGIVIGIDISEKETKHALRRAREQNLNAHFVADMENMSHKIPS
NSIDVVISNGAFCLAPNKEKAFRELYRVLKPGGRISVCTTTTQEENLEPGISWPLCMKMF
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MDAICARVCVAKKPLA

>comp14531_c0_seq13; 239 1 2214 LEN=4568; translated
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KDIARHKLVLFLGIEHSMPPPIISFQREIQAEMNKQADKLVILEHFSFDLQGLLDRYMND
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AASEWLPENVNLDSSDFHYNVFESLLSGRSIIYDSIVHNNGKNDSSNGGNGGGCTREQEGSL
PNSNEPSDQFRNIFKAQVLKDEAMAHRTGLIKKEEDGTGASNEKFLVIAGNGHLLHYCG
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MDAICARVCVAKKPLA

>comp14531_c0_seq14; 239 1 2214 LEN=4715; translated
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PNSNEPSDQFRNIFKAQVLKDEAMAHRTGLIKKEEDGTGASNEKFLVIAGNGHLLHYCG
VPERVLRENPEIAADTCLVISENTTSDSLMGGENHNRDVCERHSGHCNNNI INNNNNKIN
KNADGECVNHKEKTDITAFLOSRFGREGSNPADFMFYFYEIPEEILTEWDVKEETKSAYDK
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SGLGIDSTIACHATGPEGIVIGIDISEKETKHALRRAREQNLNAHFVADMENMSHKIPS

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>comp14531_c0_seq15; 239 1 2214 LEN=4148; translated
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PNSNEPSDQFRNIFKAQVLKDEAMAHRTGLIKKEEDGTGASNEKFLVIAGNGHLLHYCG
VPERVLRNPEIAADTCLVISENTTSDSLMGGENHNRDVCERHSGHCNNNIINNMMNKIN
KNADGECVNHKEKTDITAFLOSRFGREGSNPADFMFYFYEIPEEILTEWDVKEETKSAYDK
VGDANIPGNLSKAAWIMHSLGYTEEQFDAAGPDVYNFQGVGNPHLQANIQKGDVLDVG
SGLGIDSTIACHATGPEGIVIGIDISEKETKHALRRAREQNLNAHFVADMENMSHKIPS
NSIDVVISNGAFCLAPNKEKAFRELYRVLKPGGRISVCTTTTQEENLEPGISWPLCMKMF
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MDAICARVCVAKKPLA

>comp14531_c0_seq16; 239 1 2214 LEN=4162; translated
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KDIARHKLVLFLGELIHSMPPIISFQREIQAEMNKQADKLVILEHFSFDLQGLLDRYMND
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AAEWLPEENVLDSSDFHYNVFESELLSGRSIYDSIVHNNGKNDSSNGGNGGGCTREQEGSL
PNSNEPSDQFRNIFKAQVLKDEAMAHRTGLIKKEEDGTGASNEKFLVIAGNGHLLHYCG
VPERVLRNPEIAADTCLVISENTTSDSLMGGENHNRDVCERHSGHCNNNIINNMMNKIN
KNADGECVNHKEKTDITAFLOSRFGREGSNPADFMFYFYEIPEEILTEWDVKEETKSAYDK
VGDANIPGNLSKAAWIMHSLGYTEEQFDAAGPDVYNFQGVGNPHLQANIQKGDVLDVG
SGLGIDSTIACHATGPEGIVIGIDISEKETKHALRRAREQNLNAHFVADMENMSHKIPS
NSIDVVISNGAFCLAPNKEKAFRELYRVLKPGGRISVCTTTTQEENLEPGISWPLCMKMF
IAKNDLKPLCEKIGFTDVVIDDSNSEMSMEIPDEILEESNPGRSKVHVGGSDFDHLEDYD
MDAICARVCVAKKPLA

>comp14532_c0_seq1; 752 202 2106 LEN=2265; translated
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VSYNTCTTVSSNSESSNLDSYDALDSECDYETGDNRFSLTFRLSYLFTVTLVVMADGL
QGTHLYVLYEGYGFVSVASLYCLGFITGALTAPITGPLIDRFGRKKSALLYCALEVGINML
EQFPFLSGLIVSRVVGGITNLLSTVFETWLDTEYRNRGFAKEDYETLMRDSVVVSNLAA
IASGYLAHVLAESFGNTGPFEGAVTCTAVAFVVIFFLWNENYKIGQEAEGDENNSKSSL
TQLSETLTFIRSDSRVLRVCITQGLTLGSLHIFIFLWSPLLKEFAAGSNGAVWGLDTQGE
PAYGLIFGAFMAAGVLGGLCSSTVRKFVTFILSPLTKGQVPETVTVDDDEEPPVRAMDI
EFQ GALCYFFCAML L LAPSLLPATGEYTF SIALF SFIAYEF SVGIYSPCEGVMRSIYIP
PESR GSVMTVPSIIVNVAVAMAVVSTEAI SRQSALFVIAMMMTTCGLLQLSLVSKKEWAS
LFR IDRVRQSMSSRLSLSSFGDDMSWTSALRREKVE

>comp14533_c0_seq1; 637 186 1466 LEN=2258; translated
MNLNSKSPMKLSLIAGTIIAVGAAIAGKGSVTPPNIPAGSSTGLIPPWF AFKIGCKLHE
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FVVCQYMEAGKNLNLFAKDASTKQFSLTPHGTLVTEGLADFLLMINGQQRHGWRAVTT
DLIKNGGGETKKS GF E IHHGKPVWDYYASHPEEEAEFGAMKSLSPVASGALLLDWHPPS
EDAVVCDIGGGIGSLLEGEILLHYPKMSGIVFDLPDVAKRAGEYMASIGLSDRTEAIAGSF
LEEFPAELSKCDAFIMRYVIHDWGDEENVKILENIRAVASKTEKKKVVVMDQILDGAP
SFLETAKSLMSLNMVAACSYGARERSTADLVELFQEQAGYDKLDFDGSTGTFIPLRTIHS
LLQVEV

>comp14534_c0_seq1; 364 886 1707 LEN=1936; translated
MALRNERPILETRLDADDGLHKQFIEYIQHTALKRFQPSKDDEDAEDGNIIPRWLYWCSR
RHIEWHSDTDASVPDEEKRRIGSPGLGYMNVVQHNLKCVTPGITVGYNVGTDKKSNNIVD
VPQYDHDKLYKNVRNSLDCYSTNDRKNIPDAAEDETNGSCLELVEDFLFAIRSRTWTS
GMLGVNLVSDNVLFGGDGDRQEDFGRMVVSFSEDAFVTEAKVEETQRFLIENKKRIAHE
NLLGQCSSGHSKDTAKKELQQIIDDLERKHKG

>comp14534_c0_seq2; 364 759 1580 LEN=1809; translated
MALRNERPILETRLDADDGLHKQFIEYIQHTALKRFQPSKDDEDAEDGNIIPRWLYWCSR

RHIEWHSDTDASVPDEEKRRIGSPGLGYMNVVQHNLKCVTPGITVGYNVGTDKKSNNIVD
VPQYDHDKLYKNVRNSLDCYSTNDRKNIPDAAEDETNGSCLELVEDFLFCAIRSRTWTS
GMLGVNLVSDNVLFGGDRQEDFGRMVVSFSEDAFSVTEAKVEETQRFLIENKRIAHE
NLLGQCSSGHSCKDTAKKELQQIIDDLERKHKG

>comp14535_c0_seq1; 842 254 2782 LEN=2796; translated
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LKL RHKQFQRRMSRHWLNSKSTNDQLNDEYDSGEQNRPSRSTLGGIPRDLRRNDRSQR
VQHGTSENTLTRRPNGTMRPGNNKNSNTVCNKGGFSIFVEEEGENAYNLDQDLTENKRG
IARDSDRKENTLAAERWNERGGIQPTYAKTSAAPSQSKGMPAFSVFVDEECAQENDRQ
EKEQEKQIDLHRQVRDRRTFKERHSEGMAEKLFRDPVRYMKNPNQLQSENLELQKLPENQ
KVDKLEIERKNRAGFNKRLKLTENGKEQCFFEARAKAGGYTLQSDSSNNFNLLQNTSKAD
QSSQMDLDDGEAIIIDVSMSEFLSRSMQCTTDRKIIIPNERLESDETEGKRLFGHADESFGA
GLNQTAISHASSTVNEIDIVGVGLHGKQEEETINTKFAMRELSMMFSSPAFGVGSERRLV
DHSASKIDELATYEGQPDESFGNVGDEIRLDNSICNSGREGICGKDRNNNDKSGFVIFQ
DENACDSNKVQISGGFQIYDEGNEDPTRRETNTTGENNELRAGFQIYVEGNENGIGRRS
AEKSRENTHSIGFQIYEEEEYQEEENIDENKLESGETASISDAIALLDGKIEPDGEASLSS
SEENKKNLNGGEDTADLSLFNEIFQEKSREDEEKSNGCQMKRFKVAASSELHTGDEGGYNS
VR

>comp14536_c1_seq1; 750 280 2679 LEN=2679; translated
MVPTPPVPRREEERVVHAGVAPEGWDPMPRQANESTEKLMDDPPIPVSDPYGWLRRDDKRE
SKEVFQHLAENHYTQEVTKHLKGLQEELYQEFLSRIKETDYTTTPRPRGNWYYSRTFEG
KSYTQYCRAPKTSEKYGTIDWDGSKESPILPGEAYLDVNDLGKDKPYCSIGGISSSPSL
KLIAYSVDYSGDEKYEMYVRNLETGEDTPIKILGGEQDGELETSGDLAWGKDDSTLYYM
TMDDQHRPYRLYQRKDWNGTETTDTLLKEESDDLYWCGVGKSLDGNYIFFEAASSETSEI
WYLP TSEEKTTSEMRCIAPRRNKVLYEVDHGHGNWWIWTNVDESPNMKLMKAPARANCAD
DWKLVEDADGKPLFDGSLSRSLDSVTVLGSHVVVQGREGGIPRIWVHATDTKSVERLEFE
EAAHDVCLGAHYEFDANSIAVHYDSLTPPQSLEISLDEKESGGERTVLKSKTVPGYEKDS
YGC DRLEVL SRDGTTKIPISVVYRKSTMEKVENGERVPVHLYGYGSYGSCCEADFDSTR
LPLERGMIVYIAHIRGGGEMGRQWYEEPNGAKYLCKKNTFNDVFDVARFLVSGWTTDLL
SIEGRSAGMVLGSSINQAPELFRVAILGVFPFVDVATMTDSTIPLTSGEWVEWGNPNEE
KYFDYMEYSPMNSVQSGARYPSCWL TGG LHDPRVAYWEPAKFAATLRHANPGSEHPVCL
KMDLSAGHFSASDRYKYLRELAIDYSFLLDQLGLVGGEASSGVRPQREIGSFETKQRYSN
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>comp14537_c0_seq1; 493 295 1884 LEN=2396; translated
MVIHRTPNGTRRSRTNKEASPVLLAAAVVVS LAAATANTNSFVSAWTTGNNGRSTHRSHA
GGIIATATALRMSAVNETESSTASLPDFGKTTVEVDKIKLEKRRKREPKEYDTKVG
I EENKWRSDLFGSSLVDQTMDELKNDKDFQTTQKRIKEVGLAGISKEERKQRRRALDKL
VQPFKFLTEQITNKKEEDAATPTIGTKSVKPYRLQRKPPTILQINIGLYCNQACGHCHV
ESSPLMTAEMMTAETAARCLELLKNTPSITTLDTITGGAPELNKHFRYL VSTARAIRGKDL
I I IDRCNLTVLQEPGQEDLVDFLKEHDVHVIASLPCYSAENVDTQRGSGVFERSIAALLA
LNEAGYGRDGREAETDDGPRQLQDLVYNPLGAFLLPPPQENLQVQYQKQLADNFGILFDQL
FTITNMPIKRFADFLHRRGELAEYMDLLVRNFPNPD TVQQLMCLDTINIGWDGKIYDCDFN
QQLYAVGVDSIHRGGKTVFDIESLDDLDRVIRTDNHCFCGTAGMGSS

>comp14538_c0_seq1; 499 156 1367 LEN=1946; translated
MNNFILPFLAIASLFGNYRYASVGLV LALSEANKSSTIVSNGLRNVGNTCYMNAQLQCAFH
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LPYMPRSFCARLGIPPMVQDSQEFWKLLLPAAAGVEELSDLYKGYEDYISAIDGSGREK
RRDEVFLDLSLDVATR
KGLPPILQFHLKRFNYDWQTDTTKLNRF TFPKSLDLASICVDVEGSDPRAEYELQAVI
VHMGEFDIGHYYAYVRPDIESNTWYRFNDDNVDEVT FEDVTADSFGGQHQNSDKGGGLHR
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>comp14538_c0_seq2; 322 156 746 LEN=807; translated
MNNFILPFLAIASLFGNYRYASVGLV LALSEANKSSTIVSNGLRNVGNTCYMNAQLQCAFH
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LPYMPRSFCARLGIPPMVQDSQEFWKLLLPAAAGVEELSDLYKGYEDYISAIDGSGREK
RRDEVFLDLSLDVATR

>comp14539_c0_seq1; 647 168 1479 LEN=1533; translated
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SNSQVQILKKEHAPATTAKQKSQPSFARVEKEDASIDGSWRRAPAPPKASSHSAPLPPK
HSYTI GPPPAAPSQQNNKIPHKAE LQPDRSSVKFTRNRSKPSDDTKAKEKAKENGSGDKS
DNNKTAEDTVQGDRGRNQQRVIVAFDDASGHPSSKTKNNNRKNRQNKISKNDNGDDGENA
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NSKGGRRGRGREGRGLQQKPSYKTNASSGNDGESYGNRAKNDDEEKRHKTRIGEAEAP
GVGKELVA ILGEGEGGDRQVGI AEEAMHPVDVVKAAAEEMVTVEEEGEKEEEEGADQVRD
LMGNQSTVTKLVKTSR

>comp14539_c0_seq2; 895 120 1863 LEN=1917; translated
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ASDSNNSQNIDGSAWMAQRKAKMEQEAKAEKQKEAERKQREQDEKQSRKSQLNALKA
AMTEIKQTQVDEPPSSLRAAVMSNSNSQVQILKKEHAPATTAKQKSQPSFARVEKEDASI
DGSWRRAPAPPKASSHSAPLPPKHSYTI GPPPAAPSQQNNKIPHKAE LQPDRSSVKFTR
NRSKPSDDTKAKEKAKENGSGDKSDNNKTAEDTVQGDRGRNQQRVIVAFDDASGHPSSK
KNNNRKNRQNKISKNDNGDDGENAPTAQKSKAQRDCCNDEDVASTKTSSSRGSSTLHSRS
SRGGRTAGGGRNKKNAHRDRSRNSKGGRRGRGREGRGLQQKPSYKTNASSGNDGES
YGNRAKNDDEEKRHKTRIGEAEAPGVGKELVA ILGEGEGGDRQVGI AEEAMHPVDVVKAA
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>comp14540_c0_seq1; 375 92 1360 LEN=1527; translated
MLSKRSIISALLTGAGTATSTFALPIAHEVDVERIVNGVQSEPGDFPYFVHYGRCCGALV
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LDEPVTIDQSFVTLELNEDDAFPAEGMDLLVMGLGATSGMLSGPDDNFPLPDYLNVTIP
AISDESCVEFFLSGIQLLYPHDLTETLCAGDIENGRDSCFGDSGGPLVKRTYRGDGTFFV
DTLVGIVSGGPAFLTETGGLFACFGPGIYSRTSRAKWKSTSCVLNLSVASFCDDIKRK
PLPSSGAGKHLSEIEVSGNDASAIQWLSLQDSNGQFVMIRKYSTWQEQMYLDPDECYTWR
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KA

>comp14541_c0_seq1; 403 320 1306 LEN=1715; translated
MTTTPRTTITTA AAAAKTSGKSSSSPTSAQHLHRDWHLHLHPMDGEFNE SDSFSMLLLD
PRSCILRVGADAGRLCTVGNQMLLDQRSNASCGIDQAGGTKETPTPTSASGDEHLIHALS
ELFVDLCFTAQSLGLDWVKSIRSKMALNAKKYPVEHCKGKSGKYTSYSHLTGITTTNQST
MDYGGDTKDDDGNGESDACSDTDNVHTALRSLESFAGEHLPTLSEDIREFAEARLWAR
YHKPRNLILALLGEAGELAEVLQWDGDDEKGGANTRPTIDPSTLDKLSQELADVSIYAIR
LATVCGVVGGLGDSLLVRATGPPTRLFPE

>comp14541_c0_seq2; 244 1 707 LEN=1116; translated
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LESFAGEHLPTLSEDIREFAEARLWAR YHKPRNLILALLGEAGELAEVLQWDGDDEKGG
ANTRPTIDPSTLDKLSQELADVSIYAIRLATVCGVVGGLGDSLLVRATGPPTRLFPE

>comp14542_c0_seq1; 138 1 395 LEN=645; translated
GLGGRRSGQSPEASPWTRLGSVACFSPMLLAIFIAVSRVHDNFHHPADVVGALLGGS
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GVFVALDALPAQRL

>comp14542_c0_seq2; 173 1 977 LEN=977; translated
XCNNKFRIDRPPTQHFTNEQEPSTTKQRGCKQRMQRHRKAAHLRKGPNKTKTTATATA
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VPAGIALEFGTQPHQRMPVEQTTTEDGDSITIE SYLFGFPRRDET VSPPLMFALAI
AVPFLLQVGLIAVLQKRGA SLRRDALHKTLCVYFMATGWTQTLTNLAKLYVGYLRPV
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>comp14542_c0_seq4; 70 1 213 LEN=437; translated
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>comp14543_c0_seq1; 588 92 1714 LEN=2807; translated
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GPPVDTYTLRLVDNAD ELRRAVNNIRRVNQLSGKTVGSQQLRAGIYDLIQKVRGK
GKAPITSNLPSENFALGRGS KRIEGTGRTAGIKTRKLQKEGVADTADSARNILV
GGGKRTGFQSDLTFLKNAMGDGVHFC IEKGG SARANLLSQHHSNLQRK
KRLLDAAATRVTTLLEQKENEEREK RKQEEEEER

ERREQENQTGENGRDNGDEHSNKHTKKEENGGGKTDEKTKKAVNGKVLLGTTGMDWLNDN
ISSRAELDREMEKLRQQDREQEMLLLAATAEQNDVSHNARSKYIFLSDYIDPALQAPSLW
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>comp14543_c0_seq2; 530 92 1919 LEN=3012; translated
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RKQEEEEERERREQENQTGENGRDNGDEHSNKHTKKEENGGGKTDEKTKKAVNGKVLLGT
TGMDWLNDNISSRAELDREMEKLRQQDREQEMLLLAATAEQNDVSHNARSKYIFLSDYID
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>comp14543_c0_seq3; 464 92 1857 LEN=2950; translated
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KLRQQDREQEMLLLAATAEQNDVSHNARSKYIFLSDYIDPALQAPSLWDEKTRKMTFQSL
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>comp14543_c0_seq4; 406 92 2062 LEN=3155; translated
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RAELDREMEKLRQQDREQEMLLLAATAEQNDVSHNARSKYIFLSDYIDPALQAPSLWDEK
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>comp14544_c0_seq1; 713 256 1953 LEN=2487; translated
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AIENVQKAKEAREKLLKLSHGGRAGGAASQLLGTNAHSSNPVALASTLGTSHAAGSRRRP
QVGSLSGAASSARKAQQEAI AKLREAALDPYLSLYSHPKRHGCTKD VRELYLGTRSKV
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>comp14545_c0_seq1; 268 354 1250 LEN=1339; translated
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VRPYLMAVLLVSNATTGIVKPTLGS IAGLVLRSSIAFLPELVFWRNEILRSKWRNRNTS
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>comp14546_c0_seq1; 435 280 1299 LEN=1367; translated
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DSNKIVELTVRRELLLVELQELVDARTPQAAAAIAAMDRESGNDDQLLRFLLRAGTLRI
LRNRLLEKEDEDEGGPDES FHQEKKEDDAGRADAGASADXLRVVLLRAHTLALGGAASS
GETFLPPRAAIIAAPGEETTTEFLDQDGDWDFVGA AETTQRRRCFAIYDSDKRGGTGRDGS

GQAFVWEQRQGAGQLHGSCMPGCAGELHRLNRLGSEHPAKAQRFGTELAFFGTNEQAPQ
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>comp14547_c0_seq1; 496 1 1122 LEN=1830; translated
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GIKSKQESMASMKAPPAALDIVEDPVSIGAASSNDGKKKKVGVLMDHGSRKEKSNARL
QEMARLYQLTLEHNEDEDDENTTTEIIVRAAHMEIALPSIPDGLKELKDLGVDEIVCHPF
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>comp14548_c0_seq1; 1028 92 2224 LEN=2678; translated
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RIEKTAKRQKWCVSALAVFGGLKPDVMEKVESKLAEGAI IAQAAPQKLSDFQAQESKEN
KKVLKRLFDPPDLMKDMLTHGGVTGNAYGEAARIYDECMEDVEDEDDDDFKKVHSKIAMA
CALELASPIYEFDETVRVDPIYERYEHFVDAHREGELDPAFPFFSIWEMRQIVNCDATNEQ
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ARNKAPPKEYFKKLITLQCLADMFDGDPNAIPAGERDVLHPDRIWRSMSVVSMLLLDEAD
AGTENKFLRTGDSLVTNCEIYLEKYHADAEDDEVTFDDVTGKLVIPASRCEKAEGNFLI
NDAFEGGKQVNFAAFAGTAFLEYKIPDEVPKTYTISLEICTVSSQQVPLKVEFGDSVETC
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>comp14549_c0_seq1; 426 72 2598 LEN=3076; translated
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HDYDTTTSDDTTTCCAWDIRLNPYPDVLENNVTVTIPTLFATMEQGDIFREAMAESSSS
LTIGVYSRWRPAYNVSAVLIIVLLGAVAFAAFSFRSADDYHYGAFKLWKKASRDKSRNAKG
SGNLGGRQSERQDTLVPRNPNPLSDESLELEPIHALMFLMSSISLFLVFFFKIYNVAKV
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VIGYSVGMVWLYMALCIPQAGEKYAFYWIAQDVLGTMCVTFGLGLIQLNSIQVASVLLIV
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PRLFDYLGSSMLGLGDIVLPGLLLSFAARLDASRLVCTLYSACQNQSSRAISPASGSGA
GQQDCGVPTPMPVWYALLFGGYGYFVPLVVSYTI GLIMANLAVYLMEMGQPALLYLVPC
TLGTMAYKGWKRNELMSLWNGPKILKQADYVCHGGPSAQT DGS GGEGYSASAGTDEALEL
QEDFVDERVEDVPLIQSTMDSSRGDRLNSNDYHEKANEERNGIRETLISAFHLLGPAFV
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>comp14550_c0_seq1; 404 188 1708 LEN=1731; translated
MARTKLMITALKVFLVIITGLIVGTNFGAYEIKSGAFSTANASGGSLNVAKATGADAGKD
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TIMNPKFLLHFTPEFGKQLSSEGFYSYQQT KYWNKPFGLRHWMEHRFGYVWSDTDAEISVP
EWDHDIIVLVDPDMLMQRPVFNDFNTNIPLNQWNTYYRKNHGDELIGKVTQGHQAGQDYS
FGSKWLNPKVEHLEEIVGPDSPVHDVTEEDAKYVFAAGPPYWMTARDAFRISYKWTEFLP
GIFKHHPVFMAEMYGYCMAAAHLGLRHQMARGMMISNVEMTRGEGWAFLPKDSKACDVAR
YTETVPHVLHFCQRYSIGDFFINKYLFPTDILSCEHPLELPSKDILEDTWFSHYGDGRV
DKWDKSEDKIQRYNAFMICSLFPAVNKA AKFYKDNHCDKNDSENTVYDATWNHFRSERGI
ELEKKGLARNKNKNEYSRTSKTMAKA
>comp14551_c0_seq1; 311 93 1145 LEN=1405; translated
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VRHLDCFAGSGSVGLESLSRGAKHCTFCDLAEDCCAAISRNI PWCQFDGPEYSTRIVNAD
VLRLLREPLAVGMPEGEKFDIVTICPPYEEVTYADLLDATANSPLVKEDTIVLMEYPVEL
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>comp14551_c1_seq1; 1192 104 1782 LEN=1782; translated
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LSLFLLIASMLSTLVYSFKTLSQGEIYEGPARIVGYDLEQYNNTRHDPTTRTDIEVSWGK
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NDNDNKADDKDKAEENDNDQEEAEDNQKDDDEDEEIEEAELEEDLEDEEKSNOELQOTENENL
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AEYKEDDEEALEDKIAAATDDDDVKDDLNEKLVEEEKEQEELDEEYEEDEELLDEYADEYEE
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>comp14551_c1_seq2; 1536 104 2225 LEN=2493; translated
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LSLFLLIASMLSTLVYSFKTLSQGEIYEGPARIVGYDLEQYNNTRHDPTTRTDIEVSWGK
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NDNDNKADDKDKAEENDNDQEEAEDNQKDDDEDEEIEEAELEEDLEDEEKSNOELQOTENENL
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AEYKEDDEEALEDKIAAATDDDDVKDDLNEKLVEEEKEQEELDEEYEEDEELLDEYADEYEE
AADEEYDEFLEADETDNLEAEKDEKKEEAAETEAEINDMKSSSSSSSTSSSSSSGTDDD
ANEKMAEEFYEEEEAAIEEEYEEEVYEEEEEWYWDEYPEYYDDDSYEDDYWDYDWDVWVW
DYACEDLFDSDVAGKTYDLNTPAGGDDEWPFVNIYGSCKTCEAYILDYFAEEAFEETQEF
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>comp14551_c1_seq3; 1144 1 1794 LEN=1794; translated
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SNAPVFLRMLGSI CVFGVFLRYQIGDEIRRQRVDRIMLLLSLFLLIASMLSTLVYSFKTL
SQGEIYEGPARIVGYDLEQYNNTRHDPTTRTDIEVSWGKDWGCPMSGGKVCQAKIQGALC
QTHPDKEQTKHKPHYDNTRRRRRKQRRLEDAQKEDNDKENDNDNKADDKDKAEENDNDQE
EAEDNQKDDDEDEEIEEAELEEDLEDEEKSNOELQOTENENLAEQNKLEKEMKEENEIEDEE
NQSLVDEENSEMDEMADEYNEDIMVVEEEMYEYEDAQDYEDA EYKEDDEEALEDKIAAATDDD
VKDDLNEKLVEEEKEQEELDEEYEEDEELLDEYADEYEEAADEEYDEFLEADETDNLEA
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>comp14551_c1_seq4; 1535 104 2363 LEN=2631; translated
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LSLFLLIASMLSTLVYSFKTLSQGEIYEGPARIVGYDLEQYNNTRHDPTTRTDIEVSWGK
DWGCPMSGGKVCQAKIQGALCQTHPDKEQTKHKPHYDNTRRRRRKQRRLEDAQKEDNDKE
NDNDNKADDKDKAEENDNDQEEAEDNQKDDDEDEEIEEAELEEDLEDEEKSNOELQOTENENL
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AEYKEDDEEALEDKIAAATDDDDVKDDLNEKLVEEEKEQEELDEEYEEDEELLDEYADEYEE
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ANEKMAEEFYEEEEAAIEEEYEEEVYEEEEEWYWDEYPEYYDDDSYEDDYWVVISLVRNT
MYRRALQSVLSRAATTRVYPLPQFVFSFRSVALSCLQDYDWDVWVWGDYACEDLFDSDVAG
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>comp14551_c1_seq5; 1488 1 2237 LEN=2505; translated
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SQGEIYEGPARIVGYDLEQYNNTRHDPTTRTDIEVSWGKDWGCPMSGGKVCQAKIQGALC
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NQSLVDEENSEMDEMADEYNEDIMVVEEEMYEYEDAQDYEDA EYKEDDEEALEDKIAAATDDD
VKDDLNEKLVEEEKEQEELDEEYEEDEELLDEYADEYEEAADEEYDEFLEADETDNLEA
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EEEVYEEEEEWYWDEYPEYYDDDSYEDDYWDYDWDVWVWGDYACEDLFDSDVAGKTYDLNTP
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>comp14551_c1_seq6; 1487 1 2375 LEN=2643; translated

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NQSLVDEENSEMDEMADEYNEDIMVVEEEMYEADAQDYEDA EYKEDEEAELEDKIAAATDDD
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LPQFVFSFRSVALSCLQDYDWSVWGDYACEDLFDSDVAGKTYDLNTPAGGDDEWPFVNIY
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>comp14552_c0_seq1; 449 215 1351 LEN=1828; translated
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PNTSGKTPPAPPRNRSKSPKPLAGRSVPKARTPTRSRVSVASRTNANKQNIPMDIQK
LYRITDPDITIKEKVLLELEFNMGTPEEKETYLRYYKQFDRKQFVDCRAKEEEERTEKIE
ADALREQFIEEEFQKEVDIKRRGEQRRLEKKKAKEEKMLDSIRRYKAESVIKTMEGIKDA
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>comp14552_c0_seq2; 449 283 1419 LEN=1896; translated
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LYRITDPDITIKEKVLLELEFNMGTPEEKETYLRYYKQFDRKQFVDCRAKEEEERTEKIE
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>comp14553_c0_seq1; 1074 163 2331 LEN=2752; translated
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LEEQKIRKAI SDQERKANKDDRNMAMFKYGFQAQVDGHIKVGNYNMEPPGAFRGRGHEP
KMGKLSRVAPEQVSLNLSECAAVPRCNVPGHAWGDIRHDPGQWLATWKENINNQSKYM
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LTLKQKQKSMKMLTHLTKGKNTDKFPIKKHDEKLAEEAAKGI ERAKKMKDKAKTNEE
KIKATEADEKAKQKREVASIKFQQAHLWDKVP TTDQVAKIQNWSAKISKMEMNLKHKD
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>comp14554_c0_seq1; 108 1 937 LEN=1711; translated
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KALTDGYGSIVSWQPHGRSFIHHPQEFQEVVLPKYYNLTKLSSFQRQLNLYGFQRLTLG
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>comp14555_c0_seq1; 435 343 1583 LEN=1807; translated
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>comp14587_c0_seq1; 897 212 3448 LEN=4816; translated
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LCRCAL TLLLLWVGVRFGNEGTHRREPPEGESGGRSASGIAIPSGSDRSETETEAE TETE
SNGAPGSLEEPLLAGRQDRELD TGEPSLRGNRERGGTPSGSLPATESPPARERSLGC PA
SVPRDPKAVKKMVLV LVVVVCTLYQVYAGFRVATMQDGGGACADTGSSDDHHHHTGRL
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GFVRCIT IYVFMIAIQGALSTLYSAIFTLVSRK LKFTVRNALFEKILVQDVAYFDGTE SG
RLLSRLTNDLDVMMSP IQSSLSNLLSNLLLMGMMAVCF LKSYRLSMLAFSTVGP I SHLW
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GLVTSFTRSAAGA EKVFALWDSHPDIDPSVGT DVVEDQIQGHLQLQGVGFY YQMRPDNQV
LED FDL EIPAGKTLALVGRSGGKSTI INLLRFYDPKNGRILLDGKPYPSFKVHQLRRL
FGVVTQDTELFAS TVEENIAYGLDEDEYTFEDVVSAAKKAHAHEFI SAMKDG YQTRIGER
GGRISGGQRQLAIARVFLRKP K I ILLDEATSALDERSQEAVQEALADLIAESSATVVMV
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>comp14588_c0_seq2; 86 1 464 LEN=464; translated
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>comp14588_c0_seq3; 90 1 284 LEN=335; translated
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>comp14588_c0_seq4; 826 1 3355 LEN=3518; translated
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SLSKSIATVQPPWERSAGD LLLCDGVNAEPSIYDNSIRVHLYRNSL FERLKLPLRFVSL
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>comp14588_c0_seq5; 97 1 309 LEN=472; translated
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>comp14589_c0_seq1; 911 1 3013 LEN=3111; translated
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IWSMDYEKVADMEPGMLYQVLI FALARDEENAEKNTIKLSEIVATCISNATQATLTPEIF
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>comp14589_c0_seq2; 720 1 2359 LEN=2409; translated

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SDRNFRTTEESDDKIKDVADACVSVSSAASIRENTNKLGPQKNSLVFHFPPYKLYEMLQ
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AFAVSS

>comp14590_c0_seq1; 80 406 976 LEN=976; minus strand; translated

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>comp14590_c0_seq3; 131 406 1130 LEN=1233; minus strand; translated

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EISATLLPKFPAQNLLSLPDTDTTNL GKXPKPAGNLRG SQIEHEGGPLPVHARLNNPGG
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G

>comp14590_c0_seq4; 334 175 2105 LEN=2225; translated

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SNSNSTAPERKLCSCGAPQSQTVCRNPSHGAF L TWKCRYCCQPGTYVVCYGNVHFCKDCH
DKNSRGEVLTVPVSCPGDSCPYPKPEASSG FHTNGPTQDCEQVYSCSLCESIPVDASAE TW
TTEPGSRNFVVPNSGEDGLRGWVSN GSPWMVERGAPGAYPSRLLPTPVVGEAEREPIITN
FVSSFRFSTMEQRIDLAKFLRLGEAATRT P SPVVRIEVSARYTRRWDCPSVFRLEAVLLD
GREARAPPLSTGVVEAGVHWERASLVFDLGPLAEIPGRFGRFPKLVVSVSGKDSRFWAGN
FGSKVADISVRVLGRTP EEIKTMVLSEEEAEPTDSSDPRGGTDALGVVRGGAPGGGCLRG
LWEQRMVAAFESHQPLPCRRCRSPGDKTGDGSRDRFAGKLG DGERARAI PPRRLRKDA
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>comp14591_c0_seq2; 434 216 1802 LEN=2615; translated

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DWQDLQNSYKSWLADSYQVWLDYFRGLANDESGGDFGFRWFLNSNGRSFGSGDGEM
QMIQLMGQFLRPTDFLDISDDSN TKLSSETTAAEKELVEAVEVFYNALTTGDQDSIDAI
FSQNTTEELSEVRFLSHRFKKTWILSDSIHILTSSKKASPIYFFCYLNDSSQVIDLGRI
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>comp14591_c0_seq3; 409 216 1679 LEN=2492; translated

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SKPIPLKVFRGMDKPPRIIAICGDQPKLIRVLKDLAIYRQRFQASVYVAVSTDGSTAR
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QMIQLMGQFLRPTDFLDISDDSNTKKLSSETTAAEKELVEAVEVFYNALTTGDQDSIDAI
FSQSNTELESEVIDLGGRIDSWKCLVEGARPSGMQVSKPDVTIFSDTEAYTTCVEFPAN
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TFGGIIG

>comp14592_c0_seq2; 557 98 1764 LEN=1796; translated
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VLPMEFLYPLDDFEPSSLALKIYMCVFAIIFIVVEVDNDSVFFRDAVFLKTYSTRGFLYT
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NVEWSSKLRMSLLGGGLNRGSSFPTEWQSGSKPRIQCPCMRAPVGVGKVLKLLDDTMIV
XLQHEVLCQLLVILFVRENLRNNFKPLSFTVLAIVGRSHPVAAGSIPARVGVRFPLSPAP
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>comp14593_c0_seq1; 433 1 1498 LEN=2392; translated
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>comp14594_c0_seq1; 871 460 2319 LEN=2545; translated
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SMHAAEEHQKLLKQKEQHPTDHINYAAAVQDIDRKEVLDKLAQAAERQEFMRLKQENKN
LNQTVLQLQQQSI ESEN RVMEAITDRRVTLNECKNLREINVQLKQELRRMVLLFEHSGAQ
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>comp14594_c0_seq2; 832 342 2000 LEN=2226; translated
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HHLNSNIKTGSSAIITGYGGGGTPIHPSGIVPVTGTMGVSMGRSKNGTGSNPMMKQFWGV
ERNISGLTGMEVLAQAAITGEKRLQTLAAQKDDHLASLHGVSHSHFNQYESSLDKAVAE LR
KKMASENDGKAKTSASSAVQPSITSSDDAAKQGGSGESSKRKLDDARAAAVVSMHAAEE
HQKLLKQKEQHPTDHINYAAAVQDIDRKEVLDKLAQAAERQEFMRLKQENKNLNQTVLQ
LQQQSI ESEN RVMEAITDRRVTLNECKNLREINVQLKQELRRMVLLFEHSGAQTSNSSAL
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>comp14594_c0_seq3; 579 197 1456 LEN=1682; translated
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QAAITGEKRLQTLAAQKDDHLASLHGVSHSHFNQYESSLDKAVAE LRKKMASENDGKAKT
SASSAVQPSITSSDDAAKQGGSGESSKRKLDDARAAAVVSMHAAEEHQKLLKQKEQHPT
DHINYAAAVQDIDRKEVLDKLAQAAERQEFMRLKQENKNLNQTVLQLQQQSI ESEN RV
EAITDRRVTLNECKNLREINVQLKQELRRMVLLFEHSGAQTSNSSALMAAATQGANVELM
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>comp14594_c0_seq4; 832 351 2009 LEN=2235; translated
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HHLNSNIKTGSSAIITGYGGGTPPIHPSGIVPVTGTMGVSMGRSKNGTGSNPMMKQFVGWV
ERNSGLTGMEVLAQAAITGKRLQTLAAQKDDHLASLHGVSHSHFNQYESSLDKAVAE LR
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LQQQSI ESEN RVMEAITDRRVTLNECKNLREINVQLKQELRRMVLLFEHSGAQTSNSSAL
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>comp14595_c0_seq1; 265 341 1720 LEN=2244; translated
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YGDVDPDEDVTKFSDNLHRVDVRYITNPECNRDHRGEISEEMMCAEDTGRDACYGDSGGP
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>comp14595_c0_seq2; 268 687 1967 LEN=2491; translated
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GASYFP

>comp14596_c0_seq2; 126 1 731 LEN=907; translated
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>comp14596_c0_seq3; 227 1 1569 LEN=1745; translated
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FSYAPIDLREVLEERRRAFRQPLAFRFLRAVLRDVFSAVHCHARRVLHGDVVKPGNLLVA
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>comp14597_c0_seq1; 953 2220 4064 LEN=4099; translated
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TFANPHNPGQKLRVKVPKDCFPGGTFKVTVPVKHRPGD TDNEKDRNKLPRDLQEALDVY
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>comp14598_c0_seq1; 681 405 2409 LEN=2497; translated
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LCVVF CFLVASGVGNVIFAKLQSLPMYVPLDDAADD SFLCWRRKQAIRSCRSRSCFFSCFS
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QQECLSHNAKNSNPDP SFLFRYQ TETNFTDGEDGNVYYCAWVS REEESVRDEDFLVFFWS
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PFELGSNWIAGMGCLFSQTNSIEVGCHPDDCSAAALWVHVS LINGVVYALSMLFVLKYGS
CDLMYLGLTLVPLGHLAFDYHSSFSDLRAYDTAGLAVV VAGLALYRFGHGDWKGPRTAG
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FMLVGDI

>comp14598_c0_seq2; 692 405 2207 LEN=2295; translated
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LCVVF CFLVASGVGNVIFAKLQSLPMYNYPTFLNIYANGMYVVISFAYILPVCTLGLFGN
SIPRVI PRRTLKPFVFMGALDALGAAMQVLATVYLP GTLLVLIPQVAIPLSMAAGSLVLG
EKYTIRQYAGA AVVFCGILVVLHPILSHEREAEFYCKAIDS DTDICI CREETTQQECLSH
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VPSVMSTVYKQVALQTASSMDPILINGWVSLCQLVCGLFLVVP SGMVSSPRVHPFELGSN
WIAGMGCLFSQTNSIEVGCHPDDCSAAALWVHVS LINGVVYALSMLFVLKYGSCDLMYLG
LTLVPLGHLAFDYHSSFSDLRAYDTAGLAVV VAGLALYRFGHGDWKGPRTAGEDDNGHP
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>comp14599_c0_seq1; 310 120 827 LEN=1624; translated
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NKSIQR SNCLSEYESLARVIYENHPTSSTELQSQIDEIRSEISKLEDEIASKDETLRIRE
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>comp14599_c0_seq2; 310 120 827 LEN=1081; translated
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NKSIQR SNCLSEYESLARVIYENHPTSSTELQSQIDEIRSEISKLEDEIASKDETLRIRE
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>comp14600_c0_seq1; 255 309 1500 LEN=1500; translated
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LHGSIQQSHSNTSQGSRQSSHSKQSSTSNMHRRTNSNNSGSGHSR SSSSGNSRQYHQHQH
QHHRVPSGNSDMG SVHSLPTVTSRSTISDPSSHARNGGFYNANNGNYGN SHSRSHSS
QSRGNTPTDRSPHLLNHNGSVAEHRDPYGETTHNRKNQYTQYQNSDHYHQSN SAFPMPR
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>comp14600_c0_seq2; 845 309 3719 LEN=4076; translated
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LHGSIQQSHSNTSQGSRQSSHSKQSSTSNMHRRTNSNNSGSGHSR SSSSGNSRQYHQHQH
QHHRVPSGNSDMG SVHSLPTVTSRSTISDPSSHARNGGFYNANNGNYGN SHSRSHSS
QSRGNTPTDRSPHLLNHNGSVAEHRDPYGETTHNRKNQYTQYQNSDHYHQSN SAFPMPR
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VIVNDIDANL KSCGYDFDVEHNYDQKSTGSDQSNHYG VGE GKNENHEEKNIKENHTTYE
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TEHAEGLVGATPPGLVPLLLRLIDRAEGLNCGRRMKRYNADVTLVNTTKVLLYLSRVPEL
RMQLARQEALIDVLSRVAKNEIYTNNH FENSEFGSSGCTALNREAI TKVRVIANLVNQE
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SNQIPMAKNGRLLGTLVKMILVETNAGMRESAITALQNLAFAKENRILLVSFKHGIVLEA
LIKALSNGNGYNEKSRRAAGALTNLACEESTELMGRHKGLLRSLAIVSTKDESPEVQS
RAAMALTKLAASVTVMESH TFAKPEYEINSQENHLPDTSTESEGIYATLLDALVVASLS
PVSNSVSAVLRVKARDPENRCLMAQHPGILDTLADMCLYDDNRGDEGDGVVRNVRSGIRGR
NANNLLQKDGKETHMYEIDILKDRDNATR ALMHLTNE SKNRIVMCTPPVLNALVRGASVT
DEEIQVNN TNQLKQQLTDVRNSAIRAIERLATEFSNR RVM AHHEGLLVAIALATEREAK
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>comp14601_c0_seq1; 268 435 1565 LEN=2167; translated

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IDEAMIEGRKDLYERERSDPDSGIGGSDGGDQTVETAQALQSGAAGGLPAGALXGAA
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IESTGQSSAGLALQRLSGEGKDDQSHGIQRDLGTEKATEKHVAVYENSKRRDALFVQD
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>comp14602_c0_seq1; 890 199 2133 LEN=2192; translated
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EDDL SFFYRDEDDMLTEREDRLYTDEKIRREIEKCIILVGVEDLAAQRRAKKAELYDPL
DSGAEAPIFSLEESMIEMRELVRTAGMSLEGEIVQRQKEVNPKTYIGSGKVEEARALMDE
HDACTIVFDAELSPGQQTLEKIFNRDALQNDFLGEDQEI KVVDR TALILDIFAQHAKTR
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KIDDIQKQRSIHRGRQRTGLPLLSLVGYTNAGKSSVLNSLTRAGVMAESMLFATLDPPT
RKVKLPGESAHPEFLLTDTVGF IQKLP TNLVAAFRATLEEVEMADVLVHVIDVANP SWEK
QERAVRSVLSEMGVGDKPVVRVLNKIDLLDEDEAEMLTYEAAFSDDTVAVSALTGEGMED
FVVAVEESLNSLLAPIELVIPYNGQELSIIHEQGVVETIDYRPEGTYVLGRAPPAVANR
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>comp14603_c0_seq1; 458 171 1541 LEN=1686; translated
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GAPRSFGYGVASTMDCGNTKAYVGLGAGENYQRFTDFWEFDMVTHAWRELASF PGLGRRH
PAMNFI EPVGEIHVGLGDGLLGNKYDYWAYS IETDEWRQLEDFPSSERHHPFYFAIDANS
YLGLGHSNGYDPFIERDWRYDAIDGTWEREEDFASYPLGIPGAPGPGATPRSGASPVTT
EARVAGTQF SVAGSCDADLALGFVLSGDGDDHRAMPTGEFHVFDPSSEWHELPPHPGSS
RWAPGSFVLRGTTRAYLVGGYDRNERILYSDLWTIDLEPLFVGANATGTFADVGLDDVDY
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>comp14603_c0_seq2; 464 171 1526 LEN=1671; translated
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GAPRSFGYGVASTMDCGNTKAYVGLGAGENYQRFTDFWEFDMVTHAWRELASF PGLGRRH
PAMNFI EPVGEIHVGLGDGLLGNKYDYWAYS IETDEWRQLEDFPSSERHHPFYFAIDANS
YLGLGHSNGYDPFIERDWRYDAIDGTWEREEDFASYPLGTPGATPRSGASPVTT EARVA
GTQF SVAGSCDADLALGFVLSGDGDDHRAMPTGEFHVFDPSSEWHELPPHPGSS RWAPG
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>comp14604_c0_seq1; 857 242 1762 LEN=2083; translated
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ESFEGTEAAI VADEGWKAYLNIFKTTIEFVHVIDEPIHSLGWEGGTWGF SIALFTAGV
RSLLIPLSFQQSKSTELLKALKPYVDEINAKFKDNENKKNQLVGKLYQDANQNPLSGCFL
SLLQLPIFLGLYRGVRL LAMDGKLEPFLWIPSLGEPVTAETDYRGLDWLTQGW TQVDGL
WTPSLGWETT LAF CIMPVVLVLGQKLTMEALAPPDPEDETMDEEAKKQAETTKNALKFLP
LLIGFFSLQVPAGLTIYWF TSNIFTLSQSLAVRTYYEQNPPEIELPEYWDALSEDEDMMT
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>comp14604_c0_seq2; 537 1 1284 LEN=1605; translated
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KALKPYVDEINAKFKDNENKKNQLVGKLYQDANQNPLSGCFLSLLQLPIFLGLYRGVRL
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VLVLGQKLTMEALAPPDPEDETMDEEAKKQAETTKNALKFLPLLIGFFSLQVPAGLTIYW
FTSNIFTLSQSLAVRTYYEQNPPEIELPEYWDALSEDEDMMTPEERRAAAKAGVAKGPSL
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ETEAVAQA

>comp14605_c0_seq1; 188 78 737 LEN=1451; translated
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VYYQEESKGMYNRSNRSIQHMVENFGAFLASIGPVGYVFP RQVLGVVVVFSLGRILHQK

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>comp14605_c0_seq2; 188 78 737 LEN=1437; translated
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>comp14606_c0_seq1; 404 1 2017 LEN=2344; translated
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SPRFNPSVIGAFRRNKHDPVMEETEELEVQGGKAEAAEQETQVFDEFVQAQONATSKEN
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FRGNNSNSIDYWIVARYCSICAPIAAFLAVMQLVLEAICCNNGIKSRNPDSEAAAPRTHL
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LSALAYLIVATFSAMLRMSPTTVGTMFCDDYDYFNYYNADTDHYRVVKIRNRNGNDREI
FLNSSSKIYDDFSTDSVSSLSINSNYERRKEKERKRALEAEYKDLDFNEYLVNTIDAPS
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>comp14607_c0_seq1; 532 134 1231 LEN=1363; translated
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SLVAKIFGILPKWLVLHLLSNRFLDSDLAFHLHYQEQRERRYTDLNPGASANEYYYMPAQAD
RCISALRRWIPRHTDYLGGDGVTSNHSYQLPPPIDSRAVLFDYKQHTSHCKHCQEGLEW
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HYQND
>comp14607_c0_seq2; 308 200 847 LEN=1568; translated
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QRKALALAEAGATAAGTNGRPAPRENGPERRSASRSCSCSCSSSSPSVLGVPVLLWTCL
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>comp14607_c0_seq3; 618 462 2453 LEN=2585; translated
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FPRTWVPLASAYELDPDRPTPLEFLDQKYVCHYDHPSTESGWVVDDACPHRLAPLSEGR
NRSSGGKEPGQRETTLMCSYHGWFDGGNGGACTAIPQATPEVRSRACNSPRAAVATYS
VRVHKNVWAWLWPEPLSILQDFPRGHPEGIAEGITGGGEYPSTYTRDLPYGWDTLLEN
LIDPAHIPFAHHGLQKREDAIPIDMTVPESFCGDDGSEGFLFEWQDRMTMKKHRRGGTGE
FKAPFGVAYNGIFYATKEEAEASGTHIASKRRKQQQQLAGGDVPGESENNEDDDDEE
GNLGLFRLGVICIPKPGWSRAIIFAGGIQEPKDDTEEEKASTGAEAAPKKKPKKKSL
VAKIFGILPKWLVLHLLSNRFLDSDLAFHLHYQEQRERRYTDLNPGASANEYYYMPAQADRC
ISALRRWIPRHTDYLGGDGVTSNHSYQLPPPIDSRAVLFDYKQHTSHCKHCQEGLEWLT
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QND
>comp14607_c0_seq4; 117 221 803 LEN=803; translated
MAVVKGSALHKAFGPAGERDEEREPLPCQKYLAPLARRNKKKAVDLEAIGSRANNQLLDL
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AASAATEPSGEPDRGDEGLPCRCLGAGVENRRHTARSEPSRSGSAIRPIQSNPIQPNPTK
PIRRGREAHAPQRE
>comp14607_c0_seq5; 354 120 941 LEN=1095; translated
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CCRMLFYTLQDIIQRPEAQKQGVVVHDLRGFDKGNARVEIAKCLFHLHYGHFPILKAI
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>comp14607_c0_seq6; 618 478 2469 LEN=2601; translated
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NRSSGGKEPGQRERTTLMCSYHGWEFDGGNGGACTAIPQATPEVRSRACNSPRAAVATYS
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LIDPAHIPFAHHGLQKREDAIPIDMTVPESFCGDDDGSEGFLEWQDRMTMKKHRGGTGE
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GNLGLFRLGVICIPKPGWSRAIIFAGGIQEPKKDDTEEEKASTGAEAAPKKKPKKSL
VAKIFGILPKWLVLHLLSNRFLDSDLAFLLHYQEQRERYTDLNPGASANEYYYMPAQADRC
ISALRRWI PRHTDYLGGDGVTSNHSYQLPPPIDSRAVLFDRYKQHTSHCKHCQEGLEWLT
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>comp14607_c1_seq1; 611 256 1342 LEN=1342; translated
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VLKGFLSWVDITLVTGNEKVLRLIYAALAKGSKVDAERAADAGVVAVECMEELIARGMND
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>comp14607_c1_seq2; 611 435 1521 LEN=1521; translated
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LRTKIGVLLARFVQLDFPHAWPSAFDDLRAPLLLQTESDIFLRTLVALTDDFGRDETEVN
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VLKGFLSWVDITLVTGNEKVLRLIYAALAKGSKVDAERAADAGVVAVECMEELIARGMND
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>comp14607_c1_seq3; 307 178 1239 LEN=1709; translated
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EVVQQDQLVRESGGEAAVIPEKVAQRMGKRMLPFVGIPLFGSMGAFVFFWYMATYRDMF
QPVLVAGTTIALLRSDWLIVPTCLEAYPLRGIDTKTTTFGF XEPVLPKENVGDVVKDSII
VSLFFRPSLIFLSPFFRLYVEMWCGCNP IHRKGITYSMMSASWDPEREGLVGGDEF SR
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>comp14607_c1_seq4; 349 178 1014 LEN=1484; translated
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EVVQQDQLVRESGGEAAVIPEKVAQRMGKRMLPFVGIPLFGSMGAFVFFWYMATYRDMF
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>comp14608_c0_seq1; 491 98 1888 LEN=1990; translated
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EEDQDSNSGKNQKRDDKGF SYHRLEKAI SASSMSMSSMLHNTIHNTLGFSTGT SWERRLQ
TLAMFSCSLAFLMPGTLFAVAVALHHGLFRPLHIFVFSKDSGSSSKIGNETDPVPELET
AIAAILVWMYLVYIYAIDESPTQGSRRPWLRSRGRWVWVKQQPGRGANRRTGGGWWWNNAC
DFLPVVLVKTADLPATKIIRSPGDLGQTTTTEPQTYVLGYHPHGI IAIGAFCAFATEGARV
LDLSKTMNTNRDALSSKGMPEPKDWKDESDENDSDCTTDDGEEDKELLTHLPLRPSSLS
LLDDGND SNKHDAARQPEKITR TSI SRIQPNQTQSPKRGFGSVFPGLDRRIVTLP INF T
IPFLREYFLAMGAVTSQKETFRKYLDHSNHAAAKNNDAGDPGRALVVVVGGAAESMMAHE
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>comp14608_c0_seq2; 542 98 2406 LEN=2487; translated
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EEDQDSNSGKNQKRDDKGF SYHRLEKAI SASSMSMSSMLHNTIHNTLGFSTGT SWERRLQ
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IPFLREYFLAMGAVTSQKETFRKYLDHSNHAAAKNNDAGDPGRALVVVVGGAAESMMAHE
GGIELVLNSRRGFVREAIRAGANLVPVLGFGETNLYTLYDDIDDISAGNSDGGDAGA QAS

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>comp14609_c0_seq1; 161 169 1119 LEN=1206; translated
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>comp14610_c0_seq1; 831 100 2139 LEN=2234; translated
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>comp14611_c0_seq2; 380 1 1215 LEN=1733; translated
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>comp14612_c0_seq1; 528 1 1633 LEN=1760; translated
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>comp14613_c0_seq1; 234 226 1296 LEN=2777; translated
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>comp14613_c0_seq2; 259 226 960 LEN=3020; translated
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GVQA

>comp14613_c0_seq3; 275 226 1419 LEN=2786; translated
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>comp14613_c0_seq4; 259 226 960 LEN=2895; translated
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GVQA

>comp14613_c0_seq5; 259 226 960 LEN=2904; translated
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GVQA

>comp14613_c0_seq6; 234 226 1296 LEN=2902; translated
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>comp14613_c0_seq7; 410 226 2214 LEN=2661; translated
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KI

>comp14613_c0_seq8; 259 226 960 LEN=2779; translated
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GVQA

>comp14614_c0_seq1; 335 154 1429 LEN=2088; translated
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ENPDILHDILSVLADNIVDYACYQIDSGAQVVQVFDVSWAGHICDEDYEVFCEPYQRRVVK
GIKQQYGDTPVIIYMAPGPHSTGRRRLKLLATGVDIVSVDHTLDIKSGLEMLDDFNNGV
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>comp14614_c0_seq2; 371 154 1323 LEN=1982; translated

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>comp14615_c0_seq1; 985 290 3481 LEN=3676; translated
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FLRECSDSPQQTQKAMEILSETSDENDIEELDLYGMEIIVTSMESHGDVRDVQLWGCRT
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>comp14616_c0_seq1; 287 68 805 LEN=1175; translated
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SPDTSKRPSICLTYTIIITAVMIIIASVLNGVFANSESLRGLGSLIYYPWAFYIFVVSVCT
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APEIV

>comp14617_c0_seq1; 525 404 3672 LEN=3672; translated
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>comp14618_c0_seq1; 995 1 2855 LEN=3003; translated
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GERMDEGTVD RSEPS SRGWRIEETNTMTQQR FMDRLRSFVSFQRTAAERARTVDSHGKIA
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ISGLTASDIEIASVKQWSRASKKARDEYSHRDPGPAEAWLYDILRAS IYCRSAQMNDVN
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EETRKSLSLFRVLDLEESIYGTEHLVVGTTTHLYMGQILLKLGADRAMVHLKEALPVFT
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ISHGNIGKVLFRKGQKQEGKLLELALQITMDGYGKKHLSTSNCFADLGSVMLKNNDDDD
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DHPHVATAYEHLGKLYENQMDHKLALDYHTKALTIRNAMLGRQHPATAASCFAIAGVLEK
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>comp14619_c0_seq1; 498 293 1945 LEN=2120; translated
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HLGPAELSALTGVFTLPWTIKPLYGFLSDGFPLFGYRRRSYLVLAGMTGCLSYSVAVGSNF
WGLLGDIEISLTTTVAALVSSACIAVSDVVADGIVVQKTRESADTDPALAGGLQSLCWGS
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VATIDGVNHNDFPAGVKSQISLLVEAIKKPEIYKPAAFIFLWRSTPTSEGAMLFFLTDDL
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RAVGIPDTWVFVGGDDVLSVLGEIAFLPTLVLAARLCPKGVAVLFLATLMSINNGAGTLG
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AVGAIDTDAV

>comp14620_c0_seq1; 432 1 1988 LEN=2097; translated
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RLSLGHPGGRESTSGNEGGAGDRRMVAMVGVPEHVPEGILSLIRSHRPFVEHVRVVISD
DCRDGDDVGEKKEENTLGGNGDRTYLVLVQLVREEDALS FVEDLDGKPYIAFDDRDKCRI
ERVVHLETTTTTPVASTKTPPKRNPMPQPDYGRCTIARIPEEESKEPMATTGARSNRDAA
SHNASLLDRPVHSLARVADNQICAVCQEDLEPKSGRAASRGPRLGAAALLTVCNHTFHT
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EG

>comp14621_c0_seq2; 925 1 2144 LEN=2144; translated
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GGNSIEEKDVGTPLKDDPEYAKYFKMEKMGPLPRDAVKNALLRDGDGKDPGIIDLDPSMSLEY
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TLRRFMLEWKKAIQVVEKIERLQAKEKKREARRAAKAAKSKSKKAKGSSSLKRSQKQEPID
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>comp14621_c0_seq4; 300 1 1278 LEN=1278; translated
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KAAEQEAERKRIEEDESAKEVPLRDDPEYGYFKMLGAGLAREQVIHMQRDEKDPKILD
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LSQENQX

>comp14621_c0_seq5; 259 1 861 LEN=861; translated
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RLNDVVRDRKVPTYDLGLEAAREIHSKIRHTGVTVDMLVELERVSKQWGSTVTADESDLP
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>comp14622_c0_seq1; 277 47 1402 LEN=1781; translated
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TLSREELKRTILECRAYAMGWLSTGRAPAKQVYNRTKCGSCNVGRVVMVKMGKDLRVTF
WCEKCQPFAGMDVAKPRTRVLQNKTSINVTVPEVHAPPVLTSCCPQHGSKTVVLRVRKA
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>comp14623_c0_seq1; 778 266 2827 LEN=2935; translated
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STLNP SLPLL VSTVEGGGDSGGESESDHYNHTVCWRPKMDPNI ISVEALEANSKYNTFS
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GKQPTKASAAATPSF SIPATYSNPI SASLRKELGNRRKLG VVAVGRDEM QHWDRWKGV
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ILNFWLAVNADIFVVGAMKSSWSNDVWMTMRYYQKGDSNFQYTP TGGIVPIANGLPPPHQ
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>comp14624_c0_seq1; 762 1 3608 LEN=4229; translated
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ATESDCPSSHG PPLLSKRLEGLDAPT VWHFESPLSAEHQS INLGQGFDPDWP PKFLIEEL
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CPLRSVPLGVATDPKSTGDNALIGASEFFKLDLEELASKISPRTKVLILNTPHNPTGKIF
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RGKIWNQTLTMS SAGKTF SCTGWKVGWAIGPSHLIKAVTAIQWCNFS PVTP TQDAIARA
LVLARKPYQDYN SYEWLAADYGRKRS ILIDALENAGS IPGNGSDEKSNLQO EKRN NRE
KIFRAVVPDGGFFIMADTSGIDFPYEEIAATQVTSATPRMVVPSGGSDSQPPTTKMPRD
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RIELQDPLGIHNDFYFPGMDPPLQNYRILVRGDRFLYKMRFLVGLSLVAVGTGKLR IEDI
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LD

>comp14625_c0_seq1; 685 25 1458 LEN=1704; translated
MKFATSIVAALATTGA AFTAIPNKKVSTAGFGLKHQNPLYASSTSDSISSLTAESPSEVL
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HYLELYGSRDQRASMYETTMEKYNRINCEKTS AICTPYSSYGDTQIVAYFY SMMYYINDQ
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GKIVLDEKYQVRTPSQMP LIKTICEYISENFASEKNITQVIWEVIRYIKGVKDEIHIRGD
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VCTSDRERLDEDPFNSVFI LMDLPSLNF AKSCDLVVQHAYDKMQAFLK LKDEIILESASD
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>comp14626_c0_seq1; 1015 139 3516 LEN=3959; translated
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>comp14626_c0_seq2; 599 139 1916 LEN=1916; translated
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ERSKLAKIKWRYLIIDEAHR IKNENSSLSKAVRMVDVDHRL LLITGTPLQ
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PEKSRLNLNVLMLQLRKVCNHPYLFDGAEA GPPYSDGPHLWENSGKMML
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>comp14627_c0_seq1; 833 1 2159 LEN=2244; translated
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KERACSSGKKDCLPEENDNIVSWKEMMRNRALDDTLLSGL EEYNNVFLN
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G NNHVQKGLKEGCVFEPQARDKPLINF EQMTQPLILHTPDMFYDCLDSL
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YGQAGNFGE LGDNGFFFEGLPTAEAEEMAYYE WYNEISGGDDIMGRNT
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GTRTGNDAAALASAAALFAPVGAETLGSEAPSAAPSEAPSSSSSSSSSS
SGSSSGSS VFSDRVTVAGRIDNSTAAAQAGTQAPTSGSSSGSSSSSSSS
SGTFSFINMNFNETFSNETLSD EAAFEELFEVDDSDSVVPPGGRTIGK
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KERACSSGKKDCLPEENDNIVSWKEMMRNRALDDTLLSGL EEYNNVFLN
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G NNHVQKGLKEGCVFEPQARDKPLINF EQMTQPLILHTPDMFYDCLDSL
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YGQAGNFGE LGDNGFFFEGLPTAEAEEMAYYE WYNEISGGDDIMGRNT
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SSSSSGSS SGSSVFSDRVTVAGRIDNSTAAAQAGTQAPTSGSSSGSSSS
SSSGTFSFINMNFNETFSNE TLSD EAAFEELFEVDDSDSVVPPGGRTI
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>comp14628_c0_seq1; 533 1 2005 LEN=2005; translated
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NKHRIEFSNFWGSKYAIGDNEEDEKQGTVPFV PSLDPHDGPLPPGAYV
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CVDAGLNTFQPLDQTREALDLVRRMKENTPSYVQTHWSFAIKAAQTTSASLGDESSDKNI
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FEHLADLQREGWIRSIGIGGTEAPPGLLRDIAAYFGDHIDFEQREGSLLVPPSFSFRGGL
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KWREESPETTGPSTQNPVWVWQYQEHALGPMARIAASKHDVSI AVALRWALECAGTNGL
SGGKIVSSALADLVFVGGPADGGPPFRRKTTELGRVFRFELEEDREVLGILATGGDEQ
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>comp14629_c0_seq1; 243 1 1610 LEN=1718; translated
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PEWNVCSPCGILLRGS SVYQAGLMSRRLVPTIRRQTPSMPSIAQILKIVMSNKEDKGEIP
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HVLDMRDGQKVTLPATVSKASFLKDLEYFGFQNV DASSVTEGPSLRAYMAMFERMDVFG
TELDKRNGEVEIHDLAYYCFLMVMRYRRFKFHVSTSNFDQLYALGHFKYHESNEHFLK
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>comp14629_c0_seq2; 257 1 1575 LEN=1683; translated
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LRKRATARNRTHHQARSLWDATHKTSETVAPFIIWTRECE RAWVCARVRWRGGACALLWD
WSTVETLWAAQIFGGVSTPSGGCIIILLDDTTDDHGGSSQKKRGPQRS
LLRGS SVYQAGLMSRRLVPTIRRQTPSMPSIAQILKIVMSNKEDKGEIPATVSFVGVGT
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VTLPATVSKASFLKDLEYFGFQNV DASSVTEGPSLRAYMAMFERMDVFGTELDKRNGEVE
IHDLAYYCFLMVMRYRRFKFHVSTSNFDQLYALGHFKYHESNEHFLKMQNTVLKVEVAG
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>comp14630_c0_seq1; 376 282 1901 LEN=2161; translated
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YRKR FVQYDIRRLRLVEREASTV GSSSVTDIRPSQIKNYKLLLSSEKDKRKISRKIEVK
TVVAQEVDESLENLRCLSKARFLIRSSGLTNEQSTDS AIFSQENQDGSEK IASSWNA
SRHYE SLNPLRGENLQNI DHPQNMVDESSEINSPSLIQFQAF PGLDTLEAESKIDFECM
DGFPSVFEHKNGHCRVSNDIISLGP IHVQWQSNE LRGIPAFDPFVLSGPEAIEWQETPWC
DPSYSFDSESPAADDDICEDLSSVDVVKGSKD SKTTSSTQKFLAKTTISNDKDSNARTVG
LFPEKACFS PFHNGDEISLEKADDD EGQKSLCTEQSS FQSGSSFGAPASPIIRKS
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AVFFD

>comp14630_c0_seq2; 372 282 1886 LEN=2146; translated
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FVQYDIRRLRLVEREASTV GSSSVTDIRPSQIKNYKLLLSSEKDKRKISRKIEVKTV
VAQEVDESLENLRCLSKARFLIRSSGLTNEQSTDS AIFSQENQDGSEK IASSWNA
SRHYE SLNPLRGENLQNI DHPQNMVDESSEINSPSLIQFQAF PGLDTLEAESKIDFEC
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ETPWC DPSYSFDSESPAADDDICEDLSSVDVVKGSKD SKTTSSTQKFLAKTTISND
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>comp14631_c0_seq1; 187 176 1021 LEN=1182; translated
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AFFVAWVSGLIVYAVFGMEGCGTDFIATELLNDVDAAAAYKNQLDAATD TLTSVGTYPG
MDATELGADLGLNLMNTGVNITESLLEKGFPIEIAKKIPFGTKCNWGP GASFNLM
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>comp14631_c0_seq2; 145 930 1364 LEN=1525; translated
MEGCGTDFIATELLNDVDAAAAYKNQLDAATD TLTSVGTYPGMDATELGADLGLNLM
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>comp14631_c0_seq3; 145 607 1179 LEN=1340; translated
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>comp14631_c0_seq4; 145 772 1206 LEN=1367; translated
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>comp14632_c0_seq1; 874 65 1825 LEN=2075; translated
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>comp14633_c0_seq1; 340 345 1760 LEN=1985; translated
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>comp14634_c0_seq1; 1030 95 2899 LEN=3251; translated
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>comp14635_c0_seq1; 317 173 1150 LEN=1209; translated
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>comp14635_c0_seq2; 214 173 550 LEN=1426; translated
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>comp14635_c0_seq3; 530 254 2522 LEN=2581; translated
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SLVDTVRTGSSVIDDFATIFLIDLVP IRTPPRFGPPNEFLKPYKFEFLSPKPFDTLHEWGT
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SAGYSTRGERFAINDGQRRLLLEWITYNKMTGVEHFYLYDNSEAHSKDISLKF IADIFPDD
VTIINWPSKVCNNNQNNVDS PGERSSQYAAEASCRLRF GPHTDWIAQFDIDEYLVP MGEL
TSLHQLLDTLDEEGTKIISFGSWRAWPRRKFIEDPELTRMNGRANCGRNDGDC FQLTVPK
NYTMLQAYNCDRQPPGKKKEKMPAEKQIYRADYVLHFFIHYSTVTGLSNLNKEDFEKRGL
KWNARNPFPDPLSRFGDEEKEALMLHTKAVAHQD TVSWHYNRNSEIVVTYLSDRKCNQTI
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>comp14635_c0_seq4; 542 254 2395 LEN=2454; translated
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GVATRFICRFSNGEETLSVFNF DYEWASFRKKQAQIFHENDSDNKQIHTS QLLFRCPVPE
SLVDTVRTGSSVIDDFATIFLIDLVP IRTPPRFGPPNEFLKPYKFEFLSPKPFDTLHEWGT
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SAGYSTRGERFAINDGQRRLLLEWITYNKMTGVEHFYLYDNSEAHSKDISLKF IADIFPDD
VTIINWPSKVCNNNQNNVDS PGERSSQYAAEASCRLRF GPHTDWIAQFDIDEYLVP MGEL
TSLHQLLDTLDEEGTKIISFGSWRAWPRRKFIEDPELTRMNGRANCGRNDGDC FQLTVPK
NYTMLQAYNCDRQPPGKKKEKMPAEKQIYRADYVLHFFIHYSTVTGLSNLNKEDFEKRGL
KWNARNPFPDPLSRFGDEEKEALMLHTKAVAHQD TLFWDETC KTEYEGHAF CRLGNPFPD
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>comp14635_c0_seq5; 208 728 1240 LEN=1299; translated
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GVDVGDGKDGLKYNCYVNKKIDNYFVKELESKLDHVPEIARRMESESKS

>comp14635_c0_seq6; 439 254 1795 LEN=2544; translated
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VAQNRRRCNTGKSPENKEIHWKRGPQLSLFQNVAVKRVS DPDSSTKTRYRLSSHEEADED
GVATRFICRFSNGEETLSVFNF DYEWASFRKKQAQIFHENDSDNKQIHTS QLLFRCPVPE
SLVDTVRTGSSVIDDFATIFLIDLVP IRTPPRFGPPNEFLKPYKFEFLSPKPFDTLHEWGT
DHVLPKIEDSGRWQNIPICKPSLLTYGKQGDDTALITPTSPKEPDAAPVKQHRLVLSCLWA
SAGYSTRGERFAINDGQRRLLLEWITYNKMTGVEHFYLYDNSEAHSKDISLKF IADIFPDD
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>comp14635_c0_seq7; 305 173 1277 LEN=1336; translated
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RKFIEDPELTRMNGRANCGRNDGDC FQLTVPKNYTMLQAYNCDRQPPGKKKEKMPAEKQI
YRADYVLHFFIHYSTVTGLSNLNKEDFEKRGLKWNARNPFPDPLSRFGDEEKEALMLHTK
AVAHQD TVSWHYNRNSEIVVTYLSDRKCNQTI VSLVVG IASIALDLFQKLFWDETC KTEY
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MESESKS

>comp14635_c0_seq8; 439 254 1795 LEN=2671; translated
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KPLPKRTSTAKDLKAKRFPKVN SCSNLIEQWPADEYPDED PFLPWIHDVFP SHDGKFIQI
VAQNRRRCNTGKSPENKEIHWKRGPQLSLFQNVAVKRVS DPDSSTKTRYRLSSHEEADED
GVATRFICRFSNGEETLSVFNF DYEWASFRKKQAQIFHENDSDNKQIHTS QLLFRCPVPE
SLVDTVRTGSSVIDDFATIFLIDLVP IRTPPRFGPPNEFLKPYKFEFLSPKPFDTLHEWGT
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SAGYSTRGERFAINDGQRRLLLEWITYNKMTGVEHFYLYDNSEAHSKDISLKF IADIFPDD
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>comp14636_c0_seq1; 282 88 621 LEN=763; translated
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DKNVSVLKCIN YVVHAI ESICMEPALPEGNSGYDGEVTE DYYREVFSDLAVNREESEELS
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>comp14636_c0_seq2; 552 88 1621 LEN=1669; translated
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RSALNRPTYRAFVALLDNYRRATGGRETIGSREEREIDAFLEAILQTAPLQYCYAYLREQ
KGDDIPPSLSEFGELLRDIWFDLYRRQSANDSSGFEHVFVGEVKNKGVSGMHNWIQLYLL
EKEGDLDRGYIKPRSQSDAETNSDDHLLTLQFRWDGVEKSVGTCLIGTSPEFEVALYTT
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>comp14637_c1_seq1; 286 36 1064 LEN=1064; translated
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>comp14637_c1_seq2; 667 36 2258 LEN=2727; translated
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LPNAPIPKPPISTTEKSQHTKTVLATKPKKTTIQGRSSSSSSGKLPQSFDSNGTVSSVGLG
KVFYLLDQMKIEVTSADQSIKTFQTDIKLLRDKNKELEAKNRDLGKLRREEQALREKAEL
RNKDLWKKLREAMEEIKASKQQPQEEAEGSGRNGQVVEKPVSGTVAVEMKPPASVKVP
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PPLIPPLRPSMTASKSSGQSSHKHSQSLHNLHEFDPLKSTVISIPTS SVLENLPVKNPST
SESTSI PHQLGSTYMSQNPLVVPLTIGMTQTAVSSSDGSIVHHQSPMTERQGFVTNEYGG
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>comp14637_c1_seq3; 317 1 1280 LEN=1749; translated
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TISSDSTPQNPVVKQLPNPITPKSKGSKGIGSKAYTPKIDLGLKEKPDQLNGSDAVRRLS
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DFDFDFS

>comp14638_c0_seq1; 268 64 1335 LEN=1755; translated
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PNIDQNVARFATCFLPPP KREDRYACIQELLFSSAQIAERGNLLISAEHFDGIDATGLD
ALSSFLSYWDSATVI IYYRRLYDWIHSFYNQHVKFRTFDDFGLSGPRLRKWEFTFHYYLK
EHWLVTVPPPEYSAYVISRVREQYGHDDTKNIVVMDFHNK EVDIAEAFFCNAIPNATHTCN
AIRNATARARHNQGEFLHYGDLAYAAHKTNIMNITSHEHMMKVTEKIKMHYENTLGRTRK
DFKQICLPEKLSLLWSKTVGYEKQIFGDGAQARLADLKSDFERQSASALCVVDINATMQ
EEEW

>comp14638_c0_seq2; 268 64 1335 LEN=1814; translated
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PNIDQNVARFATCFLPPP KREDRYACIQELLFSSAQIAERGNLLISAEHFDGIDATGLD
ALSSFLSYWDSATVI IYYRRLYDWIHSFYNQHVKFRTFDDFGLSGPRLRKWEFTFHYYLK
EHWLVTVPPPEYSAYVISRVREQYGHDDTKNIVVMDFHNK EVDIAEAFFCNAIPNATHTCN
AIRNATARARHNQGEFLHYGDLAYAAHKTNIMNITSHEHMMKVTEKIKMHYENTLGRTRK
DFKQICLPEKLSLLWSKTVGYEKQIFGDGAQARLADLKSDFERQSASALCVVDINATMQ
EEEW

>comp14639_c0_seq1; 1509 227 4068 LEN=4224; translated
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PVADTTRAVSSASLMGSSEEEESVAELGTIEQHVDVGAEEAVQGDCSDGNIADNKRRKERKQ

HKEVEGEGGRSVSSPSSSTLPQQRQREGHQNRDEYNSTHNSDGNSAGMCTDPI SPHPSS
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QIQDNFNDGEYRSLIRLNLWSVIDGHGGGCVATYASEVLLPHIAASISRAMGCAIVSRGV
CLVNGQLRDANALDLGLIKTTGSDRSQSNPNSIHYRSPYEATANMSNTDFSDKDDEDD
DNATKPKVVEVKQRKRQGRPKHPVPIGDHPQHQHNNSDIRSHGCGVSPASATPSQHASP
SPLQQRQRPQQQARSRLSTDDTRA EVTSSINRSESSVKTSVKTSASVGVARDGAPPGTH
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QRFVVIKANNED EYDGGGGLGAGDGGDGGHDTSQNKDAARRRRIDHNENRALKMSSLS
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DSANVPKASLISAPGGCSCHCYRAYDAMLTAHVGD CRAVMLGSAPPRTINVRGSASSTK
STGTTNASPIGTGGPGNQTTDESSHSSDETECLSSSDHDADSSDDEDIMLGIEDRQRRQ
NNPHLDGSAAVTKSTVAAGNSSSASAPYMTLMRGRQPAPRRSRRRRYEDLGMAAPYIAL
PPLESFRSIEIEIDPDYEKNQRRRHRHRNHSNSKSKNGSNDKNDGVNNGKGLSANGNNG
EQSEASSSSSSPSSQDSREFFPAIILPPNVRPIDLTTDHSAYNPAEVTAVLRRCNNAPR
AISAGLGGGIKRVAGSLAVTRALGDAYLKT PRLSFFPYKTHTPYITARPEVNCRPLVKGG
DKVLM LATDGVWERAGGEDVLRWLRTFYSERLAEAEERRKNIGRLNKIENQHIHQSSSDK
GDMSVDNASNATATNNSIDDEDSVDSQHGDRKADLPQMDATGGTSATEASGSKKREALSP
PTAANAARRRKLTRRATPF GSRNSTVADVIVRRVLNKVRRARNISSLHALMSLPPGRAR
RSKHDDITVCVVDLAAAFIS
>comp14640_c1_seq1; 224 335 826 LEN=859; minus strand; translated
MATIALQCMEVRVPSLRFVVCASPLLWVFLVSHREGFAAPALALGVGVLEGE LARELG
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>comp14640_c1_seq2; 174 1 856 LEN=1289; translated
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QASSRRTTAAFALALATSEIAFRKGGPPPAGAXSSAAAAAKGEGPPAPRRRALPTKDPV
LTEQAAERIKAILLEGDNARGAVGIRLGVKRRGCNGLSYTLNYAFEEPEKDLRMEAHGVTV
FVEPMALFNVVGTVM DWEETELSSSEFTFKNPNSKGECCGESFTV
>comp14640_c1_seq3; 179 1 426 LEN=835; translated
KQNKTKQTEMR SREQTIAIQRNDNRQTNDPKPQHNTQTEQAAERIKAILLEGDNARGAVGI
RLGVKRRGCNGLSYTLNYAFEEPEKDLRMEAHGVTVFVEPMALFNVVGTVM DWEETELSS
EFTFKNPNSKGECCGESFTV
>comp14640_c1_seq4; 197 137 1179 LEN=1265; minus strand; translated
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VAPHGIAPFRGLLRFASLHFTSPRLVWVFLVSHREGFAAPALALGVGVLEGE LARELGFL
PVHDGPDVVEECHGLDKDRDPVGLHPEVLLRLLKGVVEGVREAVAAPALDAQDPDRSPG
VVSLQDCLYPLGRLFRQHDRV LGGQGXSSGGPVGLPPLPPPQT TGPGRGSSLPKGD LR
GGERERKRCGRSSRGLRRRGPVRAFFRPKGGWRFLLPAPP PGNASLCGAVRCAANDRWK
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>comp14640_c1_seq5; 270 1 905 LEN=1338; translated
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RIATRLSGGRTHGPAPRGASVLSKNDRSVRARHLGDRLAEGRTPPYRGLSSAAAAAKGEG
PPAPRRRALPTKDPVILTEQAAERIKAILLEGDNARGAVGIRLGVKRRGCNGLSYTLNYAF
EEPEKDLRMEAHGVTVFVEPMALFNVVGTVM DWEETELSSSEFTFKNPNSKGECCGESFT
V
>comp14640_c1_seq6; 270 1 905 LEN=1314; translated
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RIATRLSGGRTHGPAPRGASVLSKNDRSVRARHLGDRLAEGRTPPYRGLSSAAAAAKGEG
PPAPRRRALPTKDPVILTEQAAERIKAILLEGDNARGAVGIRLGVKRRGCNGLSYTLNYAF
EEPEKDLRMEAHGVTVFVEPMALFNVVGTVM DWEETELSSSEFTFKNPNSKGECCGESFT
V
>comp14641_c0_seq1; 618 131 2080 LEN=2264; translated
MSSNPELSRVRPQPTS TITALMLTYRPIIFMLFVGP TLIMSLPLMSMVFGSILDSTTDQ
HSFLAICIAA ISSKQLEQYITKAAPTKEKAMNSLEQNRGMVMLAA FVTSVF AIWLVVVPF
EKVLGLRSILTWSPSISFAVAIRLAFGGFLLGLSIVARYIGPQSIVRCSSSPLLVPYIR
TFRSILRSAGSTINAPQKICQPDEIQPKQLSKRQETNPRRLQLPLSSSLAAQIIISIVAA
VVVAFTCVLPFVHDESFGDNSSLVKTKLIMSCIIISITLQLLATTIQGMNHEIDPTQYRSK

SVVTLTSLNLSLKSAGPFIFAIPILGVSIYIQNATFQWSDVLVCCIILPSVIMLYMYLFD
YILRVFICKTPANIKKLVEEASGGDARLEIFVDVILHSLHLSNEDLVVAIGKISTNSSAW
MDLEQEERKRNNVAIEKMAQTLHKTSTKDEVTPHLEDDILRLAILTSFEGIARQNWIQST
SNKIADGGGYSIDSFVAVPVRALCAYAGGIGEALRLIADSENKTSFDDSWVIPPALFMS
GLSIRGATRWILQSNLPGRSNSLAILIPALLNSVHKLEAGVVQYSQAISSGVAIGETEK
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>comp14641_c0_seq2; 492 1 1789 LEN=1973; translated
XRVLFRSHSFLAICIAAIISSKQLEQYITKAAPTKEKAMNSLEQNRGMVMLAAAFVTSVFAI
WLVVVPFEKVLGLRSILTWSPSISFAVAIRLAFGGFLLGLSIVARYIGPQSIVRCSSSPL
LVNPIYIRFRSILRSAGSTINAPQKICQPDEIQKPKLSKRQETNPRRLQLPLSSSLAAQI
IISIVA AVVVAFTCVLPFVHDESGDNSSLVKTKLIMSCIIISITLQLLATTIQGMNHEID
PTQYRSKSVVTLTSLNLSLKSAGPFIFAIPILGVSIYIQNATFQWSDVLVCCIILPSVIM
LYMYLFDYILRVFICKTPANIKKLVEEASGGDARLEIFVDVILHSLHLSNEDLVVAIGK
ISTNSSAWMDLEQEERKRNNVAIEKMAQTLHKTSTKDEVTPHLEDDILRLAILTSFEGIAR
QNWIQSTSNKIADGGGYSIDSFVAVPVRALCAYAGGIGEALRLIADSENKTSFDDSWVIP
PGALFMSGLSIRGATRWILQSNLPGRSNSLAILIPALLNSVHKLEAGVVQYSQAISSGVA
IGETEKTKLLQNVTPQLLSLFNTCND CARSVVEATKAKPGFRRLDFLGSLDTECQKW
>comp14642_c0_seq1; 936 1 2539 LEN=2605; translated
XAPNSTICTDFGRKSVKGLFQRSSRDEDDPGSLESIERASEKSSRKKQRPPSLRDIPLRLT
RELTMQNSKSTSLREAQEKAIQA AKTLYELCDVGHKANREPMVASGQYDVIGPLTQCLLH
EPIYFHEAYNGNSITSASASASASNVSDPLSLSEETGGTSAAPEVSAEVPQQPEIKDDA
ADGESVETDAADNKTGGDSEGENNHIDSTQDEVSKPITPTGDEQTAAPIPPAAPADAED
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KRLIENLCKVIALGKKEAHLCCIVLMNLSFYEPALAVIGQFSPPRRLNIAQAPPKPEPVS
PAASNAEGNGQSNNSGSGPNKAAKAGKKALATTTTVLKRAAAAVSSKPQKLTPLENPRSL
LRILQDLVCSAERETSDFRWFGLLANLSRYPENALLIGLTGIPRVAVDNLRKAKTPSSQ
WATNSLEDFSLYFLLHLAEVCPSSSLKGALEVATKIMNNSDDHYIRSYTDGQVQEEESKDA
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NTFERVGGKATYTDSDFLLR TAVSAYAALAKAAAKADYSEAASNLTSESKINKNTLTPA
TAAAAAKDPAPAKANGSSPSSSSSGSSCVHTKVMALPTSVCLLFKIINAIALHWGEDNNK
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LQKNFL
>comp14642_c0_seq2; 1009 300 2804 LEN=2870; translated
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SITSASASASASNVSDPLSLSEETGGTSAAPEVSAEVPQQPEIKDDAADGESVETDAAD
NKTGGDSEGENNHIDSTQDEVSKPITPTGDEQTAAPIPPAAPADAEDRLSSPNPQSCSD
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NNSGSGPNKAAKAGKKALATTTTVLKRAAAAVSSKPQKLTPLENPRSLLRILQDLVCSAE
RETSDFRWFGLLANLSRYPENALLIGLTGIPRVAVDNLRKAKTPSSQWATNSLEDFSLY
FLLHLAEVCPSSSLKGALEVATKIMNNSDDHYIRSYTDGQVQEEESKDASDGNMNRNHNHGN
HELHAGSNHRSGIQNLKATMICAFLGLDWKEFPDHGVIAAGAVSELMANTFERVGGKATY
TDSDFLLR TAVSAYAALAKAAAKADYSEAASNLTSESKINKNTLTPATAAAAAKDPAPA
KANGSSPSSSSSGSSCVHTKVMALPTSVCLLFKIINAIALHWGEDNNKNSGGSSHGSSHG
TGGGELPSSYSETYHWDIKAGDLAVAAMSLLPALLEGTGDGKPSMGTQQACADLSKMFV
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>comp14643_c0_seq1; 320 308 1171 LEN=1529; translated
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LERSMSSLRHNHAEHELRSVLTIQNMRSQMDLKMERRRMDMQADAEERAFRLQKELSE
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>comp14644_c0_seq2; 469 265 1386 LEN=1930; translated
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VNGTDLNSDPNHKCTENDERD TDATVKGISANNTNASLKTWQDGNFVETSEDGSELKDDP
NDNSRKDNLMSTGDIHGEKNGSEHASSTDTKDEKKNIFSERRIAKRFRVSTTNRRLHNK
IFKVNRIFFGAVEGAIPGNVELWKIYDDGDVDVFSRPQLIAALNYYDANKKFDTDNFCK
KQSSLSQLDNGE EEEEEKINTASTKRRGRMTNAKASPPKAKNRKTKAAKPEPVPVWEGI

PDEEIEGGWPKGWVKKLYSRKAGATKGHTDKYYYYSPKQKIKLRSLVQVRKFLKALKEANG
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>comp14644_c0_seq4; 469 265 1386 LEN=2436; translated
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NDNSRKDNLMSTGDI IHGEKNGSEHASSTDTKDEKKNIFSERRIAKRFRVSTTNRRLHNLK
IFKVNRIFFGAVEGAIPGNVELWKI IYDDGDVDVFSRPQLIAALNYYDANKKFDTDNFCK
KQSSLSQLDNNGEEEEKINTASTKRRGRMTNAKASPPKAKNRKTKAAKPEPVPVWEGI
PDEEIEGGWPKGWVKKLYSRKAGATKGHTDKYYYYSPKQKIKLRSLVQVRKFLKALKEANG
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>comp14644_c0_seq6; 469 265 1386 LEN=2514; translated
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NDNSRKDNLMSTGDI IHGEKNGSEHASSTDTKDEKKNIFSERRIAKRFRVSTTNRRLHNLK
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KQSSLSQLDNNGEEEEKINTASTKRRGRMTNAKASPPKAKNRKTKAAKPEPVPVWEGI
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>comp14645_c0_seq2; 230 1 519 LEN=1099; translated
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VLSFVVLQNQKSFLATMLATSTLAHTQRASSFLDWIELDWIELNSVSQQQQS
>comp14645_c0_seq3; 36 1 219 LEN=758; translated
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>comp14645_c0_seq4; 122 1 357 LEN=896; translated
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TAAEMHNTNIGQHIVVQANNVRTLYGCQEPVYALRDIKAGEELRMSYGDFSEPEGEFW
>comp14645_c0_seq5; 439 160 1037 LEN=1037; translated
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AEFFLALWEKSDRSHPVYESLVDLSAISAAALHCDDDTGEDPRFPTDANYALMIEAYVHAS
KLNPNPRGRPPTATEYNPEAFFVPVEVRASSEMGRGVFSLGDVAKGTMVNRPSNAMEFYN
RETIRDYIVYLLRKRSPQLICDSFEWFYATKASSEPNDYIICLDADDASMINSAHDSLWD
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>comp14645_c0_seq6; 144 1 381 LEN=961; translated
HQGDAEVQNKKDIPTAAEMHNTNIGQHIVVQANNVRTLYGCQEPVYALRDIKAGEGTI
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SQQQQS
>comp14646_c0_seq1; 239 273 716 LEN=789; translated
MGEAVGSSLSLIAPAEDKAHSKIIVASLSVPFASKVLLDGRLLTSSQERVALASKIYTVGE
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KTQKFGKFLSTNSAALQNQLKQNTARK
>comp14646_c0_seq2; 1015 70 2541 LEN=2614; translated
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EQLYQIQASWSQSTGG AHLHDLRLKSMHRLGFDSPPTIQAATLSASTMGRRLVGAAPTG
SGKTLAFLLPILDSMLKSRDKDGEENS SDGHTTQKNLQALIITPTRELATQIHAECEKLV
PSQCVTLVGGIALVKQKRLLATKRPPIVVATPGRLWAMLSSGDNKHLQDLSQIQFLVLDE
ADRMTQEHSFPQLVKILDLVNEANPNEEDSDDDSDDESDDGSRLMGLPGIRGEAKLTM
LTDDILNQVQAQKSKTAEPIDVPDEDYDDELDDIEDDIAEDVFANPESRVHRQTFIYSA
TLTLPTSTNTTANSKGGKRRKLGIDGGIADILEKTNAMGETKVVDLSSSSPSSSLAN
HKNNTGVRLP PGLSLAQIKCTQRHKDSHLYAYLMTTVQGSSGPCLVFCNSIAAVRRVVGAT
FQTLGFVNRILHAHMQRARFKAVESLKKSGERVLVCTDVAARGLDIPSVATVVHYDVA
RAVDTFVHRSGRTARGMGEAVGSSLSLIAPAEDKAHSKIIVASLSVPFASKVLLDGRLLTS
SQERVALASKIYTVGEMEQTNSHNRWFHEMAKEADLELDDGMLDEADDRSEKEQMQLVLE
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>comp14647_c0_seq1; 413 208 1170 LEN=1575; translated
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KLLVAENEYTPVDTKIRRQKNHCFDVACVSWEVLATLPREDTTHSTKKRRKKQFMSNLR
ARVERMQCQMKKPFCTVSKMNLCSAGRFOHIVCQVPPDRRLQYDMNQYLLQKGNKSRILL
SDDYDDDEKDCPIPHVVSLGSSDTEKGEFSSCGQFQEILTNEDESERLGKKSVLSHGNDE
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>comp14648_c0_seq1; 615 1 1144 LEN=2074; translated
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NIVKTRTYDLSITYDKYYQVPRVWVGRDENDQPLSSGQMMEDVISDYANKTVMETHPH
VGSSCPHASIHPCQHARVMKAIVRNLTKTGAAGKEPLDGDEAPSGPSVENYLFIFLKFVS
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>comp14648_c0_seq2; 395 1 1144 LEN=2230; translated
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RVSSLETNLKMEGVAGGGDGEDEWMISSVLAEGEDEDNLGDDFDILDGDGELVETETL
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NIVKTRTYDLSITYDKYYQVPRVWVGRDENDQPLSSGQMMEDVISDYANKTVMETHPH
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>comp14649_c0_seq1; 827 188 2838 LEN=3376; translated
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AAVKNTVGP IAKPTVLAISLALGLAGALADLMVPTPALTLPKTVCGVRVPPFHLDDNIAI
PILSGWACTRILGLASIGPTDLVLSKYLVLWQERNGAEQNGTERNDTVRIADIAIRMQNP
KSFTLNEYEYXVIVSRRPKFGYXLQHPSTHPLNFGSTSIVYSIWLEQEGYRSNLRENYLL
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IGSHTATISSFSTPIQRRRSAPTSGGSNSASSIQNGSGTAAINGPSSSSSSMDQFDSLKRE
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NLQDLVNTQLQPAAERSGKSLLVKRYREILFDLSGDFEKSQAHRKMERAKLMEGASAN
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IANNIPGINTLVEQIRKKRSKDDMIVAGVIASCILFTLWYLF

>comp14649_c0_seq2; 204 90 809 LEN=1460; minus strand; translated
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QQPVVEGHAADGSTQESQDALVSAESEKSVVDPAPIDVAGGPAKEAGGGVRNQLANPEC
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>comp14649_c0_seq3; 343 634 2588 LEN=3126; translated
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LNYRLLSLAAVKNTVGP IAKPTVLAISLALGLAGALADLMVPTPALTLPKTVCGVRVPPF
HLDDNIAIXDPQRLGLHEDTRAGLDRPDGSGSVQVPRPLGKNGTEQNRTERNGTTQYESR
HCNSYAKSKIFYIERVVRVIVYGDPNLDTSATSIHPSIEFWIDFDCLFYLVGTGRISIK
SAGKLSLTAVDSELRYRRSRTIELGSKXKNQKLLTHNRQERQERKSFSAPVSNXKQLLLLL
LSLIIQLAIGSHTATISSFSTPIQRRRSAPTSGGSNSASSIQNGSGTAAINGPSSSSSSMD
QFDSLKREATKLESLKEDKVARYQQLVQSIPDATASNDLLLAESGMGASSAAEAEALR
HDIQRTMTNLQDLVNTQLQPAAERSGKSLLVKRYREILFDLSGDFEKSQAHRKMERAK
LMEGASANRRKSPLEIDNMGMDHLMRERSHISNSQSAAA AVINQAVEIRNDLRSQGFSLG
RAQGAMGQIANNIPGINTLVEQIRKKRSKDDMIVAGVIASCILFTLWYLF

>comp14649_c0_seq4; 290 2305 2865 LEN=3403; translated
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AVEIRNDLRSQGFSLGRAQGAMGQIANNIPGINTLVEQIRKKRSKDDMIVAGVIASCILFT
LWYLF

>comp14649_c0_seq5; 828 188 3115 LEN=3653; translated
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MALAGGHIKTKAKGAPASPEATAATSVSATSGGAQVAAIDDFVSKEEKKVQKRKDKKEERI
EKKKEIKQHKKIAKKLKRNATNKRRKFLHFSWGMLFASCNHFIPRRIFLPGMTFFFGLN
LTIELLYRKGFEWMNNLLHFFFLGKALRKNEMDGKFTGGMYFFGGVTITAFLEPKSCATL
GICQLAIADPTASFFGRATRHHVWSRINNGFFGLGRNKGILGFLGGAICCVPLNYRLLSL
AAVKNTVGPIAKPTVLAISLALGLAGALADLMVPTPALTLPKTVCGVRVPPFHLDDNIAI
PILSGWACTRILGLASIGPTDLVLSKYLVLWQERNGAEQNGTERNDTVRIADIAIRMQNP
KSFTLNEYEYXVISVRRPKFGYXLQHPSTHPLNFGSTSIVYSIWLEQEGYRSNLRENYLL
LLWTANCDTVDQEPSSAPNQESETTNSQPTRTTGAEIIFSASSNXKQLLLLLLSLIQLA
IGSHTATISSFSTPIQRRRSAPTSGGSNSASSIQNGSGTAAINGPSSSSSMDQFDSLKRE
ATKLESLKEDKVARYQQVGSWFGVRREEELAEKAYSNFDAYSSHVLSNLTCSAILLRNEF
FLVAWHGFLEFVWSEIETNRIGNNHEFELIRDATIHPSIRDCNXLYRLQLVQSIPDATAS
NDLLLAESEGMGASSAAEDEAALRHDIQRTMTNLQDLVNTQLQPAAERSGKSLLVKRYRE
ILFDLSGDFEKSRQAHTRKMERAKLMEGASANRRKSPLEIDNMGMDHLMRERSHISNSQS
AAAAVINQAVEIRNDLRSQGFSLGRAQGAMGQIANNIPGINTLVEQIRKKRSKDDMIVAG
VIASCILFTLWYLF

>comp14649_c0_seq6; 561 188 1540 LEN=1710; translated
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GILRGGDSGLGGTPPGAHSALPTPAAARIHAVVGGASASASSSSSSASSSGTSTSTSSAAE
MALAGGHIKTKAKGAPASPEATAATSVSATSGGAQVAAIDDFVSKEEKKVQKRKDKKEERI
EKKKEIKQHKKIAKKLKRNATNKRRKFLHFSWGMLFASCNHFIPRRIFLPGMTFFFGLN
LTIELLYRKGFEWMNNLLHFFFLGKALRKNEMDGKFTGGMYFFGGVTITAFLEPKSCATL
GICQLAIADPTASFFGRATRHHVWSRINNGFFGLGRNKGILGFLGGAICCVPLNYRLLSL
AAVKNTVGPIAKPTVLAISLALGLAGALADLMVPTPALTLPKTVCGVRVPPFHLDDNIAI
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>comp14650_c0_seq1; 224 582 1693 LEN=1700; minus strand; translated
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DPVQGFRTPARPRVELGAALAEVFRAPGAGIDPFLVLGREGVEDRGPLPLGPAPPQDV
VLGTAQDVGPLALGVLDGVPVRAALSGASGDGAPRPGGHAGGARACGRRGQDLPPVVRTG
GRCRRLVCVSFSAFAFAVSRFGGGTEFQGAPTRPHSRKPRCRKKGKERTVGGRARHRT
RARQQKTNSRQNYGGPHREGQGFIRCEKRTTSTGVAAAFSHADHDVDDVIEELALLVSYG
VVFAQCLEVD

>comp14650_c0_seq2; 224 562 1673 LEN=1680; minus strand; translated
MNIHQFEKYIRVSTTQHWSHTVVPKGTASPQASRYIDCSYRITLLGGGWSSVDPVIGLAPP
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DPVQGFRTPARPRVELGAALAEVFRAPGAGIDPFLVLGREGVEDRGPLPLGPAPPQDV
VLGTAQDVGPLALGVLDGVPVRAALSGASGDGAPRPGGHAGGARACGRRGQDLPPVVRTG
GRCRRLVCVSFSAFAFAVSRFGGGTEFQGAPTRPHSRKPRCRKKGKERTVGGRARHRT
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VVFAQCLEVD

>comp14651_c0_seq1; 485 61 1777 LEN=1976; translated
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DVQDEDSNEMWTEQLTTAIDYFPRVLKIRRPNSNLDEMPKTPILAACGYLDTISGFVPH
QMKRSDSPLPVSVFVLLAKLAIKHKTFDETLRGGLLTNQSSDRLFVLRHLVRCGVNCLPN
RNPDLTPNIDHEPDEDDFFEPADYDLVINTEKSYLNVLKQLREMNLFRKEDIQEFDLRLD
SLMCNEPNLEMNFSILKYLVKWDPEALKHSLHSEHPVLHRCIHNEHIVLLGLEEDPRFE
AALHAGLRYPQIEIGFYFHTTTFNNCYGYPYRENPHHFGYNLEDLQEKLEIQKRKSKR
EAGKCKFSLPSRETLLSAATDDAIHLDSLIEQLCHDPALIRILQETTMEWAHYVDNQTF
CTGKSSNGTSEKEEAPNGNNRCVKHTGEDPQSMARNEEEATTTKREAEPPGPKRQKTLMN
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>comp14652_c0_seq1; 701 236 2662 LEN=2681; translated
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NNNATSNNAHNRNRYRPAVNSSGFHLFRSRSDSIRENLFDDSYNDDDQLVAVKIFSKSN
LKRRRTIERDKSTNRVVKVTALQQVEREIALMKKLSHPNLVRLYEVIINSKSDSLYMLVE
YMLPGEILTFQEHGDTFKRSDSLRHKQIDGLIDGGYFDEEHAALYFVDILHGLAYLHQHH
ICHRDLKPENILLSNSGIKVGDFGVSHIFEEEDHAHRRLSASETSEARNIFKKSWSSTS
YSLFSSDEDDQEKNPVLTQRQTDSDAYSMMGRMAGSILTKTEGTWCFWSPMCSSESNRSG

FSGYAADLWAAGICLHIFVVTGKLPFYNTIPLDLFAMIVHKNVQYKGLGLSNSLVDLLKCC
LEKDPNLRAGVGDCLHHAFLKAREQRIRELGPEFESSLSVIQISEEDIRMAFRVTVTSVP
GQIMRTASKKIQEGLAHTRENLRARIPSLASTNNSGDEQSTASKNNINMSATISDPNNGN
SISTNKHSNHVVFYSRQASGDSINSLPFSDDKKEKLYGSKSDAMSDANRIVIRKNGNESE
TDTHVSRLLSSGISLSTGTDDLPTKEMSSRVSFSSNADDLDMRLEENGDKDDNAEER
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>comp14653_c0_seq1; 293 211 1601 LEN=1883; translated
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LAPASNSSGGNGQLSLSRISLPFAIPTFLSGSDRHLIIQEITNVKTYPLTEGCPPDKIDF
LLKSLAAWHAACWESTPVLKQLDLGNPAEIIHAAGERLVFPAGMGQRLPPLQKEGLFISSW
EETVDHMIQEDGQREEKLLDTELMDYITKYAKNCAPLGFDXDIEHKVHNHLVTCVHGDIYHI
SNWLFPTNEDQDKKPVLDYATAGYGNPLVDLVFFIIVVSTNDEVVSNSQLCLEKYYQFLI
ECDPNLSPKVSLATLQEWFPWAILCQFMILVAYDGCIRNIAKAEPDEQKRENQTRHFCNV
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>comp14653_c1_seq1; 239 719 1375 LEN=1512; translated
MAIWCSSYYWAGFPFDNLCPNDKPVNASYVGNFTLKAHLNNTNKFVEENITIFEDATEYRY
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WYRKYKQLTGSSYKAVGETQGINFSDVPSRSAYIPQVISPVFAYPLIACKVDGIDEELFE
FRDPDRTRFRYYDLSDMAKRLKSLDINDPPGFSIVKCW

>comp14653_c1_seq2; 289 96 1280 LEN=1417; translated
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SDMTLTNAVAVLDPAGHLQRHLLAPRAKTQDAMDILFQGTPTYELAERYTDMTKILLCLF
YCSIFPSSFFLCAISLTLKYYCDRFNLMNTWKRAPIGPEISKISRIYFFGFACMMAIW
CSYYWAGFPFDNLCPNDKPVNASYVGNFTLKAHLNNTNKFVEENITIFEDATEYRYCNMD
FLDTAPYFSFPFVPSMGNPHIQPREYMRDQIVSTSYCGWSAFVAVLVAIFMKHCVRWYR
YKQLTGSSYKAVGETQGINFSDVPSRSAYIPQVISPVFAYPLIACKVDGIDEELFEFRDP
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>comp14653_c1_seq3; 774 1 3200 LEN=3337; translated
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HCDDDSASHDQRSYEGEDDPGQIIDFMNDVVKDMTYGRRIALRLMKYKWWYPGTRDPNEK
EGDSTDEEEEDSAPLDDFDEHTTPQKPCPKRGWEFFEHQALFRYLVDKNDPSSNSLCPNS
SRKYNRADPGEDLVPTRLYPWFSLPHKQLGDFGLGIGLYFSTLRALIFLCLTCGLISMYN
IIYFASEKYDHEGFNVPADTSFSNFFMAGSAVCHAVEWVPCNCTCIALPVDEWGALGS
NRCAAASSSSGANMTFVMKNNCDGTPWQLATTNFVTVVFTVFAFMLMGRYMKNEEVMFDE
DEQTAQDYSVLISNPPSDAKDPEEWRFFHDNLDGAKVTVCTCAVRNLLIQSLVERRER
IRSIQSINPEISLDALDLARTSAEIERGRGIFGRFLSKLAPGIPHEFSRLVALKARVEGL
AQLEYPTNVFVTFETEEDQRYVLENLSVGSSAWGTGKGGNASALKSPKHLFRNDRVLS
VTEPEEPNTIRWEDLNVGHLKQLKLLTVTTLITLGAVFVVAIAIYLTNQVNVLWCAYSIT
FFGMI FPMFAKLMNTNNEIVHRSESSKQGSLYFKIALFRWVTTAIVIFLVTPFADTIRDGS
EGIIAQVFALFISDMTLTNAVAVLDPAGHLQRHLLAPRAKTQDAMDILFQGTPTYELAERY
TDMTKILLCLFYCSIFPSSFFLCAISLTLKYYCDRFNLMNTWKRAPIGPEISKISRIY
FFGFACMMAIWCSSYYWAGFPFDNLCPNDKPVNASYVGNFTLKAHLNNTNKFVEENITIF
EDATEYRYCNMDFLDTAPYFSFPFVPSMGNPHIQPREYMRDQIVSTSYCGWSAFVAVLVA
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>comp14653_c1_seq4; 641 1 2267 LEN=3432; translated
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SRKYNRADPGEDLVPTRLYPWFSLPHKQLGDFGLGIGLYFSTLRALIFLCLTCGLISMYN
IIYFASEKYDHEGFNVPADTSFSNFFMAGSAVCHAVEWVPCNCTCIALPVDEWGALGS
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IRSIQSINPEISLDALDLARTSAEIERGRGIFGRFLSKLAPGIPHEFSRLVALKARVEGL
AQLEYPTNVFVTFETEEDQRYVLENLSVGSSAWGTGKGGNASALKSPKHLFRNDRVLS
VTEPEEPNTIRWEDLNVGHLKQLKLLTVTTLITLGAVFVVAIAIYLTNQVNVLWCAYSIT

FFGMI FPMFAKLM TNNIEVHRSESSKQGS LYFKIALFRWVTTAIVIFLVTPFADTIRDGS
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>comp14654_c0_seq1; 549 176 1978 LEN=2062; translated
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SVTIANNAHDTSHLEKTQDDKRSLS SSPVQDGDGTD DDDNSSISSGIHLARKLLFCAYCE
ADGNQIQSARSRLAQCVSILLEGCCSSSLLSPSDPNNRELQKRQQLHKTINPLLD DAWME
LMLS YEEEEKSPEVRR IARHVAHMAIQSSRGPGLYRCEWKDPLQRPGYMAVLGTICDRNG
TKLHPFQSSVMMQPYIPPEAHPWCETLESNWETIAKELSELVAAGKASSKQRWAAVGS
DRGSGGDDHRVVSAGGKWTEYVLFGTGAIGSGSSEDRDEAPSTKRLLRSCIPDAISLAE
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>comp14654_c0_seq2; 460 176 1763 LEN=1847; translated
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ADGNQIQSARSRLAQCVSILLEGCCSSSLLSPSDPNNRELQKRQQLHKTINPLLD DAWME
LMLS YEEEEKSPEVRR IARHVAHMAIQSSRGPGLYRCEWKDPLQRPGYMAVLGTICDRNG
TKLHPFQSSVMMQPYIPPEAHPWCETLESNWETIAKELSELVAAGKASSKQRWAAVGS
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NDTDQVRIVL LLLRLWHPLLS PDRRQKELMEARRRRELAVSKRYHPSEH
>comp14655_c0_seq1; 160 268 966 LEN=1741; translated
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APVLGGQFAIWGGIFACYDCSLTAVRQKEDPWNIIISGAATGGTLALRAGPQAAA SAAMV
GGVLLALIEGMGIMLGKMFAPPSPDQMIADQQRYP TAPPTQGGFLPAGIGGPTAPPPAT
SAPPPSSASTSNTTGD PFDPTPTTFSTNDSSTSF SNTQEEPSGGSSWPFPGN
>comp14656_c0_seq1; 610 326 2380 LEN=3027; translated
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KLNRLATLDSA EYQQRLENSLPSLEGEKSNSIYCPSLSQGNTRTQIRLPSQPIL TPLVQ
LSMSIHR LHAVIANVTREIDGHTDEVKELQSQLEVLKKNRNLKLESATKIVHKRN LK LKKQ
SQHDRKVAKLLQHKVHKYEAQIESQDFELMASKVYQHEIQ LQLTKSQKNNATGCSGISDD
HLTRERLDSNM SDFDVEKEIEGVALASVQSDLSETTAENIEKESSDIIADTSRSAAISK
TNAMSDYSSSALRFSADRSVVTKKSTNSSNKEASSPQSIRHPPSTPETGDRKSSLD AVDK
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NEEGGKQSQVPESQGLVEDHGILQTHDSSQSLTRDNATSQKKDTIFAVCGFEGFNTEIN
MKPTLGARLAKINGRTIDRDWTL EKLYRDLEGISNNTKGGKTKPIVLTFRNEIWDKEQAN
RLSTAIRQGITEAAGTIPQKNPAGTQHHRCLSN TKSSNERDGSYKSNASEHFQRARTASA
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>comp14657_c0_seq1; 766 58 2881 LEN=2906; translated
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VVDGLTLFFSGRELLSRTHLVVANGHRYGLWGKNGV GKSTLLRRIATGRVPGWPMHLSVR
MVGQEVLTGTSKTVRECM LGVESIKHGNTRMMLEEELASMETQLATLV DENDAEALEKLS
EQMSELYEELEDIERTEVKKEERKNESGEGAASRRKLFAGFEDSAVA ILRGLGFE G SML
DTPVDHLSGGWRMRVALAEALYFKPDVLLLEPTNHLDASAIVFLEDHILEHDVTLVVVS
HDGHFLDAVCTDMIKFENQKLEYHVGNFSTFRQREEELWAKNRSIADATARKEKKAMEFI
QKQKSMSNSKRRDDNKQRARERERKLGRIGLYSENGKFKLLAQGRGCVGVN RANHIQ
SYTNTAGFSSAFVNNSGTTFGEQHQLLNFRFPSAPPLKGATAEHAPLITMENC RFRYPPT
SYSDDSETHNTDPLLRDLT LSVSVGSRIA IILGKNGSGKSTLLKLLCGKLAPDKNGGTLRF
HSNNLKIACVSQH HIEQLGSFLGQSPVEYLLGQSEGRDNGCKNEFEARRFLGGFGLCGPL
ALQP IGTLSGGQKARLAFASVLCGDAPHVLVLDEPTNHL DGDSSLSSEALSDFGGAVVA
VSHHQGFLSGIAREVWTVGDDGTGVERVASAKEDDRSSQ QSDFDLLYAAIEKACGENRG
ERETGRGSE RERNDGEKRDAAPTKEYLLAARYATGAYVLF
>comp14658_c0_seq1; 456 130 1035 LEN=1070; translated
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SSTTGLVTLIMMLLGRITIFSKYGWRVAALVTPVNLGITGLLFFALNIFSDFFAPMTAALG
TTPLMLAVIVGAAQNILSKSAKYSLFDPCKEMAYIPLDQESKTKGKAAIDVVGPNPLGKSG
GALIQQFLIFGVGSLSAATPYLGVILSGIVFTWIKSANSLAGMFMNKAMEANEDEGETAT
A

>comp14658_c0_seq2; 578 1 1775 LEN=1810; translated
XEALKQLIVSCDMFFLFRHFYLIAPRMLIFDHSLLFIFMDVQQLVXEILKPDQVKSIVP
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GLYASLTNKMEQKDVFYTCVWPFLAFFSMFALVIYPQRALLHHPAFCDMLASALPAGFSA
PLAIIRNWSFAAFYVMAEMWGSVVASLLFWGFANEVTTVDEAKKYYPLFGLFANVALIFS
GQYVRWVSNMRSTLAPGVDAWAVSLRYLMGAVLAGGGVILGAFSHMQRNIVPTLAKNKGT
SPKPTKKKKPKMSMKESAKFLMSSPYIRNLAMLVISYGMGINIVEVSWKAKLKQAFDPD
NSYSAFMGNFSSTTGLVTLIMMLLGRITIFSKYGWRVAALVTPVNLGITGLLFFALNIFSD
FAPMTAALGTTPLMLAVIVGAAQNILSKSAKYSLFDPCKEMAYIPLDQESKTKGKAAIDV
VGNPLGKSGGALIQQFLIFGVGSLSAATPVKFNHVHSDGMANGDTLLAISFWLFRNMVES
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>comp14658_c0_seq3; 761 274 2067 LEN=2102; translated
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MFFAILFNYTILRDTKDVLMVTAPKSGAEVIFPIKTYVNLPAAGFTGLYASLTNKMEQK
DVFYTCVWPFLAFFSMFALVIYPQRALLHHPAFCDMLASALPAGFSAPLAIIRNWSFAAF
YVMAEMWGSVVASLLFWGFANEVTTVDEAKKYYPLFGLFANVALIFSGQYVRWVSNMRST
LAPGVDAWAVSLRYLMGAVLAGGGVILGAFSHMQRNIVPTLAKNKGTSPKPTKKKKPKMS
MKESAKFLMSSPYIRNLAMLVISYGMGINIVEVSWKAKLKQAFDPDNPNSYSAFMGNFSST
TGLVTLIMMLLGRITIFSKYGWRVAALVTPVNLGITGLLFFALNIFSDFFAPMTAALGTTPL
MLAVIVGAAQNILSKSAKYSLFDPCKEMAYIPLDQESKTKGKAAIDVVGPNPLGKSGGALI
QQFLIFGVGSLSAATPYLGVILSGIVFTWIKSANSLAGMFMNKAMEANEDEGETATA

>comp14658_c0_seq4; 607 1 1650 LEN=1685; translated
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PLAIIRNWSFAAFYVMAEMWGSVVASLLFWGFANEVTTVDEAKKYYPLFGLFANVALIFS
GQYVRWVSNMRSTLAPGVDAWAVSLRYLMGAVLAGGGVILGAFSHMQRNIVPTLAKNKGT
SPKPTKKKKPKMSMKESAKFLMSSPYIRNLAMLVISYGMGINIVEVSWKAKLKQAFDPD
NSYSAFMGNFSSTTGLVTLIMMLLGRITIFSKYGWRVAALVTPVNLGITGLLFFALNIFSD
FAPMTAALGTTPLMLAVIVGAAQNILSKSAKYSLFDPCKEMAYIPLDQESKTKGKAAIDV
VGNPLGKSGGALIQQFLIFGVGSLSAATPYLGVILSGIVFTWIKSANSLAGMFMNKAMEAN
EEDEGETATA

>comp14658_c0_seq5; 732 274 2192 LEN=2227; translated
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MFFAILFNYTILRDTKDVLMVTAPKSGAEVIFPIKTYVNLPAAGFTGLYASLTNKMEQK
DVFYTCVWPFLAFFSMFALVIYPQRALLHHPAFCDMLASALPAGFSAPLAIIRNWSFAAF
YVMAEMWGSVVASLLFWGFANEVTTVDEAKKYYPLFGLFANVALIFSGQYVRWVSNMRST
LAPGVDAWAVSLRYLMGAVLAGGGVILGAFSHMQRNIVPTLAKNKGTSPKPTKKKKPKMS
MKESAKFLMSSPYIRNLAMLVISYGMGINIVEVSWKAKLKQAFDPDNPNSYSAFMGNFSST
TGLVTLIMMLLGRITIFSKYGWRVAALVTPVNLGITGLLFFALNIFSDFFAPMTAALGTTPL
MLAVIVGAAQNILSKSAKYSLFDPCKEMAYIPLDQESKTKGKAAIDVVGPNPLGKSGGALI
QQFLIFGVGSLSAATPVKFNHVHSDGMANGDTLLAISFWLFRNMVESLTSTYLFLCLQYL
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>comp14658_c0_seq6; 427 130 1160 LEN=1195; translated
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PKMSMKESAKFLMSSPYIRNLAMLVISYGMGINIVEVSWKAKLKQAFDPDNPNSYSAFMGNF
SSTTGLVTLIMMLLGRITIFSKYGWRVAALVTPVNLGITGLLFFALNIFSDFFAPMTAALG
TTPLMLAVIVGAAQNILSKSAKYSLFDPCKEMAYIPLDQESKTKGKAAIDVVGPNPLGKSG
GALIQQFLIFGVGSLSAATPVKFNHVHSDGMANGDTLLAISFWLFRNMVESLTSTYLFLC
LQYLGVILSGIVFTWIKSANSLAGMFMNKAMEANEDEGETATA

>comp14659_c0_seq1; 239 239 970 LEN=970; translated
MRLYHFLLVVAIVGGATSHPIEKSSCTDDRRLKFRVKRLRKKKKCRWVAKKPNKRCNK
RSPDNGGKKLILCPAACDNCDDTPTPTPSAPVNAPTLSPVSAPTAPINSSEGCCSLD

YKNCIDWCGSTYDSCINCDNSDGVAWLPDGAAPATCGERWLGCEEDNNTGHSGCCSGLLC
QANSNDNWKACLPPVDPTPAPVNAPTPAPVDSPTSPVDAPTSPVVKPPTAPPVKPPTPSP
VESP

>comp14659_c0_seq2; 288 1 985 LEN=985; translated
TSAPVKPPTPSPVKEPTEAPVRPPTPSPVKAPTAAPVKPPTPSPVNPPTTAPQTSPTPSP
VSQPTDGGGGGDPIDGKATFYGGNPNGNACGYNDLPQVTFPKGFSVAIGGDEFDGGYCGG
ACYEVTGAYGNNPGCFCEGSGKNTVIVQATDQCPECSSTHFDLNKEAFTSIVKQSSG
MAGTCGVIETKFRRVSCQFESNIKIRSKSGTSGYWYGLHIDDVAGYGAISSIKLREKRR
QNGLTDFDIRCDKSQGASFWICDRPGGRKIEAPLDVHLTDSAGRTLQKNNVITDLGGNME
FDFRTNFGPIDGSNPPPTTPTTTPISQPTX

>comp14659_c0_seq3; 341 1 1216 LEN=1216; translated
TSAPVKPPTPSPVKEPTEAPVNAPTPAPIINSKGCCLDYKNCIDWCGSTYDSCINCSNS
DVTWLPNGAAPPTCGERWTGCEENNDTNHSGCCSGLTCMMREGYGYKACLPGDSSPVTTP
SPPSPTATPQTSPTPSPVSQPTDGGGGGDPIDGKATFYGGNPNGNACGYNDLPQVTFPKG
FSVAIGGDEFDGGYCGGACYEVTGAYGNNPGCFCEGSGKNTVIVQATDQCPECSSTHF
DLNKEAFTSIVKQSSGMAGTCGVIETKFRRVSCQFESNIKIRSKSGTSGYWYGLHIDDV
AGYGAISSIKLREKRRQNGLTDFDIRCDKSQGASFWICDRPGGRKIEAPLDVHLTDSAG
RTLQKNNVITDLGGNMEFDFRTNFGPIDGSNPPPTTPTTTPISQPTX

>comp14660_c0_seq1; 315 1 1698 LEN=1698; translated
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SYEYRSDYRFEHIQRSTTCKGRQGIENRTLLRIDTSKEGSFPETQFTDYINKTIISNFNT
NPRSDFCNAFTFSINEGKSNAQIEIADIGNKRLRRTLGHYMKLFDNYVFSDCERNVPRS
PSVLGETEQTLVGFVLGDVAEEVDHNFQCLALGSTAGTFFSTFNFETVRDLVGNHYHTAKL
DNRFAHLAEVPWEKRDPVWRGTLWGKDYGERFFMQEKRGRLLPEIIDHWFTPDNPNT
HHQRVPLTGFSLKRPDLLNARGKMERMVSKHYPTAQFLAAVEKLTNTTKFTIDDI FLPF
QIPQSDYYSKFQVVVVMGGIGAAFRTADHLAMGSAVIMQDYPYKEWFFPYMTPYVDYIPL
EMHLGNLEETLRVWKDNPQHVKRIARNRGLFYERYLSYEKIEEFYELFYRLVEARIYRG
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>comp14661_c1_seq1; 197 364 483 LEN=483; translated

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>comp14661_c1_seq3; 197 546 665 LEN=665; translated

MSTETKHEEESNHEEDTDDDDNDDEESDDEESDDESDSD

>comp14661_c1_seq5; 197 330 449 LEN=449; translated

MSTETKHEEESNHEEDTDDDDNDDEESDDEESDDESDSD

>comp14661_c1_seq6; 197 442 561 LEN=561; translated

MSTETKHEEESNHEEDTDDDDNDDEESDDEESDDESDSD

>comp14661_c1_seq9; 197 408 527 LEN=527; translated

MSTETKHEEESNHEEDTDDDDNDDEESDDEESDDESDSD

>comp14661_c1_seq11; 197 468 587 LEN=587; translated

MSTETKHEEESNHEEDTDDDDNDDEESDDEESDDESDSD

>comp14661_c1_seq14; 161 1 942 LEN=1256; translated

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GIGTHRRWQQQKYNSRRRKGKSVKIVRRWHDKEGESREPEHKAFYEYNHSTDHAIMRPV
GVEWRVVDVPGMDPTCSLLLVRTSEGARHMVRALLAQVGGCPVIGDVRYWTNRKRETGAT
QSSI IDGEDNADRAVPLRDRSVALHAYSVSFDERRLQLGSLDIFEFRAPIPETWKSFFGI
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>comp14662_c0_seq1; 190 38 754 LEN=754; translated

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HSRNKEYRKLQKRNNCITSCPNRGPVIGVNGNDFWAQISTCISYDNTDCNYSLPLNCWD
TSGVTDMSRTTYASYDEYSEEDYFFDENIDCWNTSSVTSMRGMFFVTRYFNQPIGDWDV

>comp14662_c0_seq3; 172 89 805 LEN=805; translated

MRFAIGSLATLATLGSCRNDEGHNGNHDRGNGKNNLSGSKTMKLSSPILDAQVFDGTRTK
VLRNRNNPTEITNSHARENDHLSASPDFGIFNSSRDRVDNKDRFNNFHQAYSTDPITYN
HSRNKEYRKLQKRNNCITSCPNRGPVIGVNGNDFWAQISTCISYDNTDCNYSLPLNCWD
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>comp14663_c0_seq1; 529 148 1854 LEN=2073; translated

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DELKRIESKFYRLEGEDLSQINFPLGYGLDNYNGNVVRPNVRVYELVTRAYSRAHIGQEG
VDLAEDVVARYEKYYSQKATTKMMTFVMKVCISAGTLERAHWNRIEKRYEITRRNED
LPGYYVYNPFIKGLNTMSGVSARTAAKRSMEVVKKIHLYSKFTEDQQQLFPGRAIYIDIMS
HQASGYRGYAAFERIQTVFRELQKNYHLSDEHPKPKPSIDAVAPVFVAASGCVFPRDDL
IKSVNVLDFEYHRLYKETGDDAFQPNGTVC DALNLIYSKMRRKDLDLKEFAKRTMILIER
MAEYNVFKDDRDKTSAFNRI LLATESQLPRIPMSDPLKTRELFVTALDVFKKFHDESS
DNVPPNRATYQIFLRLCAKLPEGETRSKLSAKAFELCKQKLVITIDTVSQLNEANPEYAL
SLVDSADDFGFDK GALDFLSMNI AKEDF

>comp14664_c0_seq1; 506 175 2153 LEN=2936; translated
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GMVTNKYQKQKAANTRMKLPKMSDSTGTRGSLRNTRKNINNHSTDN TGDSFDEDELYMDI
IEISPYEPEGCAEFGEALFQEMRDMLLEDSETSPRTIQIFGQGNAECLK KACTLVEKSGM
LYSQNWTGKGTIHGNPVGIIPNHLLLLVLAPTRFVKANPLLLSGMCRDLKVCKSVNEALDL
WGWSEKYKLVGIGKATLYMVRVS SVVRVCFPFEXTGQLLALSSPLSALCLLYSFPRLIIA
SLVSQVRETEKNYKFKTKNRNCFKCAV FVARAHTCFVIFGKRKLESVMMDKLT KCLDIME
YHLAEAATSSHYGQISAAAGHTHTAAATNRKKRKMPIPDGVGSTHTTASGSN SSSGTKSK
GAHRFNHRRQYSHDTSVGKRKR GKSSNDLDHVL MNERKLRSSSRVTQVEPNPSYRQPKNE
KKGARSD EDNKFP SASSRQNRHSQPDKTKGATNITDGTDSVVSQAPQKVSGGSAPS IQEL
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>comp14664_c0_seq2; 522 175 2138 LEN=2921; translated
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GMVTNKYQKQKAANTRMKLPKMSDSTGTRGSLRNTRKNINNHSTDN TGDSFDEDELYMDI
IEISPYEPEGCAEFGEALFQEMRDMLLEDSETSPRTIQIFGQGNAECLK KACTLVEKSGM
LYSQNWTGKGTIHGNPVGIIPNHLLLLVLAPTRFVKANPLLLSGMCRDLKVCKSVNEALDL
WGWSEKYKLVGIGKATLYMVRVS SVVRVCFPFEXTGQLLALSSPLSALCLLYSFPRLIIA
SLVSQVRETEKNYKFKTKNRNCFKCAV FVARAHTCFVIFGKRKLESVMMDKLT KCLDIME
YHLAEAATSSHYGQISAAAGHTHTAAATNRKKRKMPIPDGVGSTHTTASGSN SSSGTKSK
GAHRFNHRRQYSHDTSVGKRKR GKSSNDLDHVL MNERRLRSSSRVAQVEPKPKNEKKGAR
SDEDNKFP SASSRQNRHSQPDKTKGATNITDGTDSVVSQAPQKVSGGSAPS IQELISRFE
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>comp14664_c0_seq3; 545 175 1971 LEN=2754; translated
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GMVTNKYQKQKAANTRMKLPKMSDSTGTRGSLRNTRKNINNHSTDN TGDSFDEDELYMDI
IEISPYEPEGCAEFGEALFQEMRDMLLEDSETSPRTIQIFGQGNAECLK KACTLVEKSGM
LYSQNWTGKGTIHGNPVGIIPNHLLLLVLAPTRFVKANPLLLSGMCRDLKVCKSVNEALDL
WGWSEKYKLVRETEKNYKFKTKNRNCFKCAV FVARAHTCFVIFGKRKLESVMMDKLT KCL
DIMEYHLAEAATSSHYGQISAAAGHTHTAAATNRKKRKMPIPDGVGSTHTTASGSN SSSG
TKSKGAHRFNHRRQYSHDTSVGKRKR GKSSNDLDHVL MNERRLRSSSRVAQVEPKPKNEK
KGARSD EDNKFP SASSRQNRHSQPDKTKGATNITDGTDSVVSQAPQKVSGGSAPS IQELI
SRFEKQHSEMGQQAEMGLLLAQMKTALAENRQQTEQEIRRELLDEVQMSILRSLPKK

>comp14664_c0_seq4; 529 175 1986 LEN=2769; translated
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GMVTNKYQKQKAANTRMKLPKMSDSTGTRGSLRNTRKNINNHSTDN TGDSFDEDELYMDI
IEISPYEPEGCAEFGEALFQEMRDMLLEDSETSPRTIQIFGQGNAECLK KACTLVEKSGM
LYSQNWTGKGTIHGNPVGIIPNHLLLLVLAPTRFVKANPLLLSGMCRDLKVCKSVNEALDL
WGWSEKYKLVRETEKNYKFKTKNRNCFKCAV FVARAHTCFVIFGKRKLESVMMDKLT KCL
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TKSKGAHRFNHRRQYSHDTSVGKRKR GKSSNDLDHVL MNERKLRSSSRVTQVEPNPSYRQ
PKNEKKGARSD EDNKFP SASSRQNRHSQPDKTKGATNITDGTDSVVSQAPQKVSGGSAPS
IQELISRFEKQHSEMGQQAEMGLLLAQMKTALAENRQQTEQEIRRELLDEVQMSILRSL
PKK

>comp14665_c0_seq1; 2914 578 10307 LEN=10406; translated
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EECLRQIEGKDVILIVGKTGSGKSTLIQGIAGKKFSKSFYSCGSEYDYAGTKEVFDKAD
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AKKCRSMRFVILIHVYVSLLEDRGGAFRSTLKFMRNFVSDFDKYKKSFMFLF SHADEMKYV
PVSLEGARMSLLSEINLTFEGTMDGDDARELLKFMRMSSLKKRYPFVNI FHPLKTD FSEMT
KFI EEK LQKT DIVDAAKRDKTASCILT KLSQMRLIEVVRSL LADLNMALKANPVNVLVT
EIQKSF EFGKYIQFKEMREAI AEHNYLIRSHVKYLRETLEKEVEMGTTI SADSLFNDVN
VTSVKAALSQKAI DPTNF DLRAERDRITQRIDKFKQKSI IFDTS DGIQGD TTFDFHGLPT
NLVKLHAWCTVEP MYK E T F F D P V V A S A N E V V D K V T F I V S K F D A E M I C A P S T E F D T L Q K L F
LSLAVLKS IHENAQCLSLHLEGISLASVLYNDFVVRKLRNCFEKWHAKLSPPSGKELIDIW
NPKAIQALGNVFRSLKNVSELIDSVKLQDDLLLLVNGVHELLVYLTTENYSVACSDIKEK
YFHKPNLLREKLNVLREVMSILSQINGSQWNEIERYSAAIDRVKSFLKAKSGELEEMSQ
NARLRGVKCGERD GKALSTFFERYLWFDDFLLEENRFIKRFLAKIRIAYNDLFALRAQHIT
EIMRRLTTESQTQGARNLVSQIRKVKELLPEIAQYKRFSGSVTSVEYLEHHSVAVFANVRD
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VTAQSIKDEIMVAFSDFKNYTQRSSDSKMTYNEIATILFRVRALVGDFFPYAAPHL PQLED
LKEATRQRISRDAQKIEDMVEQTSEYDTIDRLLQEF EKGSVLDEFVVSQKVASRVRPLQHL
RKKKESDANV I I SKMIESNDF SGLGGFLQPLAQSKSQILQNK FESSIKKISDSLK LIEAK
LQNEIIGKMTDEKVLKIASYTQILEQAHEAGDYLPKWNASVYRSEINAKVSTLQDRMSD
SIVRADFV LVARQNHETDI I TRHLGRYLTKRSKAKMDRNR TTF SILKKSIPQHIEKYVKS
CFSQSAEIMKILDGLKPTTRIDEPIFDDLSQLYLNSTKILADKVKGIIQEMRKWTE DTRC
YHDSISQFNKLMTSLDMGMKEHLPEAIVDESKSLETTWTDACREQESSMNFEGNFEREIR
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RLKESLEFLRLVDSLAKHLSSAFKHLQELESETKDFFLSICKHSQQALQAEDCRAFEPL
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IRKFGGFVADRYSLFHEELKGYNHVEADEWLEHLKNEIWKFHQNGRDLKRIKYYARLGVV
PSSSVKEVRSGYRKKCKTCHPKCKDEDAARFLLVKEAYDELNTNILSDEDRLMKPFDD
EVRGLENRLRDVTRIALNEQHYGLVETLIFKLP GIEVLEHLVSPKLEAEKIRRSIIDLVK
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GYSFVFDLGLSLSKSGMDTEEEARIAQNLVNEFTHFQEVLT MVWNEETIQKPPEDTIKD
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TRHTEPMDADISNHAKSNSISSRTRSARRATRNTEHTDTGVSKHAKSNSTSKRTRSALRA
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VFFGPEFYGRKYNCNCLLLVMILTS PKHCNHTSFPLTYPDAETYNQVAELNEEEVAKILK
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RSTDKIGYKVQDTICYNVTYGYRTVFAYLKEADNSNLRDRNATLSRVLTMPISCGQFSYA
NIKPKRILGVSGTLEVMNDYEKGVLRKYGVNQYLYVPSVYSASNLTFDKSGDGVAIEKGI
GDFFHITITTEISNVTKKQKRAVIVFFKESKQLEKYMSSALYRKLGRKKEILSENMS PNEK
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LAAKEQDEATHEYFDALLDSNYQVATGLL KELYLNKKKANVGLMDL DLAF AIDITGSM AV
YGNVSAIVANLLIGPNSIIAKLES GFSDIKFNIRVAVLGRFDIDDGSKQYQ EICLNGSS
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AHGYS PYGNSTNTIDKYDVRHPRGVTVD SVVEKALEKGVDLILCSFDPVATEKFEE EISN
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>comp14665_c0_seq2; 2981 578 10210 LEN=10309; translated
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>comp14666_c0_seq3; 11 1 721 LEN=1560; translated
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>comp14667_c0_seq1; 485 451 2532 LEN=3157; translated
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>comp14668_c0_seq1; 871 265 2640 LEN=2697; translated
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>comp14669_c0_seq1; 591 1 2632 LEN=2632; translated
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>comp14669_c0_seq2; 550 1 2615 LEN=2615; translated
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>comp14670_c0_seq1; 868 232 1602 LEN=1872; translated
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>comp14671_c0_seq1; 432 564 2204 LEN=2420; translated
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>comp14675_c0_seq1; 654 238 2292 LEN=2487; translated
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>comp14677_c0_seq1; 2731 1 8434 LEN=8458; translated
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LIPDIDEDDTMNFQMDLSILKEGSDWASNFSVGASRSIDDKKLTSEEEPPSSLEASSGRE
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>comp14678_c0_seq1; 257 1 899 LEN=1565; translated
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>comp14678_c0_seq2; 167 576 1144 LEN=1810; translated
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>comp14679_c0_seq1; 570 326 1561 LEN=2398; translated
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YYNEDHPDNALRNKRSGGLEEIVIDNSRSSSGERNGAPAE EESSSSCTLVEELKISRNF
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>comp14680_c0_seq1; 112 1 801 LEN=1282; translated
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LAPLAPTWT PFFMPNTVSGDRIWKDPKVVELYTDPKKVKMGLDAIGQPFRLGTAVNLLKA
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>comp14680_c0_seq2; 176 98 523 LEN=608; translated
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>comp14680_c0_seq3; 114 1 732 LEN=1213; translated
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VPE
>comp14680_c0_seq4; 316 98 1210 LEN=1691; translated
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FAVYARDQYGHGLSEGTRFYIPTWQECRDDLIWFLKLVAGKHTKSI PMFISGESFSGGCLT
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VSGDRIWKDPKVVELYTDPKKVKMGLDAIGQPFRLGTAVNLLKALEDARGNAIPGFSRPF
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ARMKKFVVPE

>comp14681_c0_seq1; 411 348 1742 LEN=2225; translated
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ISVLYDAVAQTVRDIGVRGLLFEVLSDDFEYVYVYNDESNSDETGDSSSSSDSLDELHTY
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DTSMATLLDKIHHLQATLPYL TQASFHTQHALIWRYVERSSGRLSSSYPDVVSIRFCRGD
GSREKGI VGRPVGKIDHECFHGFHGFHAMFYAVA AKQIRQRHEKQHRRATKSKNKDEGRE
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>comp14682_c0_seq2; 928 206 2413 LEN=2814; translated
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EAYVVQVETV GSEEDGDEAE IRAEKAREEISERLRAKAEKRF AKLEAEAEARFAKLEAER
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>comp14683_c0_seq1; 349 85 765 LEN=1440; translated
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>comp14684_c0_seq1; 418 127 1662 LEN=1709; translated
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YFIGRWQQSSSLRTIETGRRQQQPEQGGGILHVYLG NLAERISLLWFRLCLVASRWF SRE
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NVSIDTSTNTGLKARESNTRKFLKSDEGTSRESGVPLEQVPKHVAVIMDGNRRY GKNKYG
SAARGHWDGSSKLVFAKWCMAEHIAVLTVFASFSENWKRDP AEISSLMQIFATYCDEL R
MEAIERNIKIMVLSTDYEKIPAHVRVNVKRMVNETQHCNGMIMNICSYSGSRGEIVGATK
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>comp14685_c0_seq1; 394 1 1861 LEN=2336; translated
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DCRKVGAAVNLRYKSKVWIEDCSIRSHVGFCCWAVQKASIGLERSYLEAPLRSALVCFGQ
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QKSDGKFLSTEEVIKLN RGTLSVPSIHTTGACETPAAAGV PSESIADPRAGGTPTWWFD
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>comp14686_c0_seq1; 504 61 1498 LEN=1850; translated
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GRSTGGLFGASDFSPSEYEAQFRKHAPVALKEQLSALKELIDSGKVRYFGVSNETPYGIC
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>comp14686_c0_seq2; 453 449 1613 LEN=1965; translated
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SFLFLFDSNDTNSHNSHPVFLFRLVDWPGRSTGGLFGASDFSPSEYEAQFRKHAPVALK
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>comp14686_c0_seq3; 493 61 1413 LEN=1765; translated
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KDYEAGCAEACYHHDVSLLPYSPLAGGTLGK YRKDLPDDSTARLTKFPGYMARYLESEN
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>comp14686_c0_seq4; 453 350 1514 LEN=1866; translated
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SFLFLFDSNDTNSHNSHPVFLFRLVDWPGRSTGGLFGASDFSPSEYEAQFRKHAPVALK
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EAGCAEACYHHDVSLLPYSPLAGGTLGK YRKDLPDDSTARLTKFPGYMARYLESENEAA
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K YRKDLPDDSTARLTKFPGYMARYLESENEAAVNAYCELAERYNLPTPTQFALSWCYHNEL
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>comp14687_c0_seq1; 457 363 1562 LEN=2036; translated
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>comp14688_c0_seq1; 786 276 2162 LEN=2391; translated
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QAPTHQSRNRLGKLM AAREDDADV DVKSGKSSGLKRKRLPYGREDGEDDVMADLGRN
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EAKRLAESDRRNKDRNSGNDHLAKIMEDEEKVRLAEESKAASAAEAAAASTTSGSSGENG
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>comp14689_c0_seq1; 765 1 2410 LEN=2460; translated
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QDLVEEEKKWDGEGIFETNVAQEVVLTKKQEKYLKCYQTMYPDDEQINTELLLEILHYINK
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GSRKIVLSTNIAETSLTIDDVAFVIDSGRAKEKDYDPHLKTSTLQPVWISQSSSKQRKGR
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ELSSLGFADPMGGGYQNRHNKQHALWQAAIAAGLYPNVATRKGQDVNFSTMTNRKAKIHV
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>comp14689_c0_seq2; 1046 115 3930 LEN=3980; translated
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PGWQEISEVSMLLENTIPFSNRSKFLVLP LHS GIP SQDQRKVLRRPPAGSRKIVLSTNIA
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FSSXTAPINASICGKRIAPNSVGKFCNAAVVSTNIAFAYELIKMMLLHSIKGGNVLD AKK
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SLEPRVGMVIWSYLLGCTKAASQMAVAMAYKSPFVLP PPHMRREA EKSQLTSLDNSESD
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>comp14689_c0_seq3; 710 1 2513 LEN=2563; translated
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>comp14689_c0_seq4; 745 1 2426 LEN=2476; translated
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>comp14689_c0_seq5; 1026 115 3946 LEN=3996; translated
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>comp14689_c0_seq6; 1081 115 3843 LEN=3893; translated
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>comp14689_c0_seq8; 800 1 2323 LEN=2373; translated
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>comp14689_c0_seq9; 991 115 4033 LEN=4083; translated
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>comp14690_c0_seq1; 413 514 1812 LEN=2953; translated
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>comp14691_c0_seq1; 793 396 2360 LEN=2943; translated

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>comp14694_c0_seq2; 335 1 1627 LEN=2179; translated
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>comp14707_c1_seq4; 1515 1 4151 LEN=4214; translated
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>comp14708_c0_seq1; 446 1 1279 LEN=1723; translated
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>comp14708_c0_seq2; 473 27 1145 LEN=1589; translated
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>comp14709_c1_seq2; 596 122 1906 LEN=2941; translated
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>comp14709_c1_seq3; 517 313 1671 LEN=2706; translated

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>comp14710_c0_seq1; 223 882 2123 LEN=2569; translated
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>comp14714_c0_seq2; 439 126 1487 LEN=1515; translated
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ILPDFGGLQLNFSNTKSTGSSSTRQIKYDPLDMLSDYRDYRTVERDDDQDNYYAYDDDYT
RNPF I EDYDDDGSASEVDGFNCRR I SEHRLYFPNCNSFHETPLMESQGT I I GAGTYRQAM
VLKKSFGQE QET FVVKDIHFSYDFLYDVY EYTRMDSIVAERLTSSKRIYNIYGT CGVGM
SEFFPHGHIEAFTLRDDHGKRQFMDQNDDEGLICYNLNSGLAKLELA AHMADALADLH
GYTGGVIVHQDVKLDQFFLNADKTGVV LNDNFN

>comp14714_c0_seq3; 323 126 1043 LEN=1121; translated

MSPQNKLTRRAVATRRRNTGETTTTFETERTTTHGKVHHPRHNDLADKKNELQESECGATND
KTRRRYIAHIYRDRESALFLVLSSIGAVFIVIA CFMFMLAHQKNGSTTAFGNMIDTSSS
YFDQKSNHGESDGT SIVTSTKHKEPLHVDFHETESKYFVESFDDTFRVWRKFDEE I I EED
ILPDFGGLQLNFSNTKSTGSSTTRQIKYDPLDMLS DYRDYRTVERDDDQDNYYAYDDDYT
RNPFI EDYDDDGSASEVDGFNCRR I SEHRLYFPNCNSFHETPLMESQGT I I GCVQKFKV
NHPVP

>comp14715_c0_seq2; 223 133 726 LEN=983; translated
MWR T AKTLDGDETKGGGAPGAGDPVLFGR L PVP SNAFQPRMADGVSVP TLRQRLGSFLAP
VPALFRAGTIASGVGYGIVAVLVALRSRLVPSFQTQTVPVNVLYASVYTGCFMAVVS NLR
YQVLQGVVEPIAIDRWIFSGIGDGGEPGAKAPRNKRVRSLAAARSVLIFAVRWANGLLGS
VLAISGMRL LGLQRLKG

>comp14715_c0_seq3; 149 283 1375 LEN=1632; translated
MFGRRVRFV FALGYCHTTLTLYSIAWIELPTCDRVYKLARAKHSSNANRQENIEEQY E
EEYRSDAIS PQT LQRSTVSNPARSACALFFYPILRLSAWKEAIRKGYLRRTNADPYFIGK
SVTEVLVAAGTQLMAEWNRRGASRM I HELDFVVPVAVLTAVFGKYYSMWR T AKTLDGDETK
GGGAPGAGDPVLFGR L PVP SNAFQPRMADGVSVP TLRQRLGSFLAPVPALFRAGTIASGV
GYGIVAVLVALRSRLVPSFQTQTVPVNVLYASVYTGCFMAVVS NLR YQVLQGVVEPIAID
RWIFSGIGDGGEPGAKAPRNKRVRSLAAARSVLIFAVRWANGLLGSVLAISGMRL LGLQR
LKG

>comp14716_c0_seq1; 956 416 1945 LEN=2280; translated
MIHSINPPSSADDDAAEVVIVSPVISTDKDNTTAAAVTSEASNISSPSATQVLEKETETN
ENHSSNNGTNQGVQDSINSFEEDPTMTTTT TKNNGTKNEKKTMTMQTQQDQEQRNEQVLED
TPEEDQNDNASTLPREELSQDEEKSKSVAEEIKSKDFIDSQKNSDKSIMKKNDERSSDAD
VTSDQEGTNNNGTEQKASNIQDGGDI EWLKPSPKESDDNSNKSNDSSTDKAIAKPLKMLKKG
AVAVAGGTMVGVGLVMIPLPTPF GAVVASSGLAVLGT EFG EAKQLNDRIIDGAKGHFNSA
RDKIVEGIENMNSDGGDDDDGGGGLDQSENVKKEG DGGAVIKVDARSIANSSSADGAKF
QGDKRKNNTSISGSSENKDVSSSESINTSSDTPPVWLHMNPIERARQMKLAKAKYRREN
QSPLSQAKEAFTKKTGKFLSKNILPFIKKKKEKPPQVEEVVDFTGKTAISVVESKEQ I I IN
GTSEVTAQNSSFVEGNKEEQIQPPQIKQM

>comp14717_c0_seq1; 268 293 1116 LEN=2055; translated
MNSKFTGMIMGYFRPTDPXVAASAIPGRVPLGFVCGYPVGTGGELYGGSMFMKSAASD TD
QGKAIQSINEKWGEIGSNRPWGGRETIGIQVCKKKYSPFLFTIDTLNGDENDANAINDN
STTSSEKRRTVRVVRMF GCPHHSHLRKEKIERNGIRNGWEPFGQWSLQKALLLARNATI
QLNKNDEAGNECDDRDKQISGFASDGN GAVSKKVGMSRRKNNCLAIEELKSICHNGKCL
WKKRNKYDDIFDEITRQAGFSCEEETSGRSTFSS

>comp14717_c0_seq2; 268 293 1116 LEN=2546; translated
MNSKFTGMIMGYFRPTDPXVAASAIPGRVPLGFVCGYPVGTGGELYGGSMFMKSAASD TD
QGKAIQSINEKWGEIGSNRPWGGRETIGIQVCKKKYSPFLFTIDTLNGDENDANAINDN
STTSSEKRRTVRVVRMF GCPHHSHLRKEKIERNGIRNGWEPFGQWSLQKALLLARNATI
QLNKNDEAGNECDDRDKQISGFASDGN GAVSKKVGMSRRKNNCLAIEELKSICHNGKCL
WKKRNKYDDIFDEITRQAGFSCEEETSGRSTFSS

>comp14717_c0_seq3; 276 462 1213 LEN=2643; translated
MNLXVIFFRFEGYPVGTGGELYGGSMFMKSAASD TDQGKAIQSINEKWGEIGSNRPWGG
RETIGIQVCKKKYSPFLFTIDTLNGDENDANAINDNSTTSSEKRRTVRVVRMF GCPHHS
HLRKEKIERNGIRNGWEPFGQWSLQKALLLARNATIQLNKNDEAGNECDDRDKQISGFAS
DNGAVSKKVGMSRRKNNCLAIEELKSICHNGKCLWKKRNKYDDIFDEITRQAGFSCEE
ETSGRSTFSS

>comp14717_c0_seq4; 276 462 1213 LEN=2248; translated
MNLXVIFFRFEGYPVGTGGELYGGSMFMKSAASD TDQGKAIQSINEKWGEIGSNRPWGG
RETIGIQVCKKKYSPFLFTIDTLNGDENDANAINDNSTTSSEKRRTVRVVRMF GCPHHS
HLRKEKIERNGIRNGWEPFGQWSLQKALLLARNATIQLNKNDEAGNECDDRDKQISGFAS
DNGAVSKKVGMSRRKNNCLAIEELKSICHNGKCLWKKRNKYDDIFDEITRQAGFSCEE
ETSGRSTFSS

>comp14717_c0_seq5; 276 462 1213 LEN=2152; translated
MNLXVIFFRFEGYPVGTGGELYGGSMFMKSAASD TDQGKAIQSINEKWGEIGSNRPWGG
RETIGIQVCKKKYSPFLFTIDTLNGDENDANAINDNSTTSSEKRRTVRVVRMF GCPHHS
HLRKEKIERNGIRNGWEPFGQWSLQKALLLARNATIQLNKNDEAGNECDDRDKQISGFAS
DNGAVSKKVGMSRRKNNCLAIEELKSICHNGKCLWKKRNKYDDIFDEITRQAGFSCEE
ETSGRSTFSS

>comp14717_c0_seq6; 276 239 990 LEN=2420; translated

MNLXVIFFRFEGYPVGTGGELYGGSMFMKSAASD TDQ GKAIQS INEKWGEIGSNR PWGG
RETIGIQVCKKKYSPFLFTIDTLNGDENDANAINDNSTSSSEKRRTVRVVRMFGCPHHS
HLRKEKIERNGIRNGWEPFGQWSLQKALLLARNATIQLNKNDEAGNECDDRDKQISGFAS
DNGAVSKKVGMSRRKNNCLAIEELKSICHNGKCLWKKRNKYDDIFDEITRQAGFSCEE
ETSGRSTFSS
>comp14717_c0_seq7; 268 293 1116 LEN=2151; translated
MNSKFTGMIMGYFRPTDPXVAASAI PGRVPLGFVCGYPVGTGGELYGGSMFMKSAASD TD
Q GKAIQS INEKWGEIGSNR PWGGRETIGIQVCKKKYSPFLFTIDTLNGDENDANAINDN
STSSSEKRRTVRVVRMFGCPHSHLRKEKIERNGIRNGWEPFGQWSLQKALLLARNATI
QLNKNDEAGNECDDRDKQISGFASDNGAVSKKVGMSRRKNNCLAIEELKSICHNGKCL
WKKRNKYDDIFDEITRQAGFSCEEETSGRSTFSS
>comp14717_c0_seq8; 276 239 990 LEN=2025; translated
MNLXVIFFRFEGYPVGTGGELYGGSMFMKSAASD TDQ GKAIQS INEKWGEIGSNR PWGG
RETIGIQVCKKKYSPFLFTIDTLNGDENDANAINDNSTSSSEKRRTVRVVRMFGCPHHS
HLRKEKIERNGIRNGWEPFGQWSLQKALLLARNATIQLNKNDEAGNECDDRDKQISGFAS
DNGAVSKKVGMSRRKNNCLAIEELKSICHNGKCLWKKRNKYDDIFDEITRQAGFSCEE
ETSGRSTFSS
>comp14717_c0_seq9; 276 239 990 LEN=1929; translated
MNLXVIFFRFEGYPVGTGGELYGGSMFMKSAASD TDQ GKAIQS INEKWGEIGSNR PWGG
RETIGIQVCKKKYSPFLFTIDTLNGDENDANAINDNSTSSSEKRRTVRVVRMFGCPHHS
HLRKEKIERNGIRNGWEPFGQWSLQKALLLARNATIQLNKNDEAGNECDDRDKQISGFAS
DNGAVSKKVGMSRRKNNCLAIEELKSICHNGKCLWKKRNKYDDIFDEITRQAGFSCEE
ETSGRSTFSS
>comp14717_c0_seq10; 276 462 1213 LEN=2547; translated
MNLXVIFFRFEGYPVGTGGELYGGSMFMKSAASD TDQ GKAIQS INEKWGEIGSNR PWGG
RETIGIQVCKKKYSPFLFTIDTLNGDENDANAINDNSTSSSEKRRTVRVVRMFGCPHHS
HLRKEKIERNGIRNGWEPFGQWSLQKALLLARNATIQLNKNDEAGNECDDRDKQISGFAS
DNGAVSKKVGMSRRKNNCLAIEELKSICHNGKCLWKKRNKYDDIFDEITRQAGFSCEE
ETSGRSTFSS
>comp14717_c0_seq11; 276 239 990 LEN=2308; translated
MNLXVIFFRFEGYPVGTGGELYGGSMFMKSAASD TDQ GKAIQS INEKWGEIGSNR PWGG
RETIGIQVCKKKYSPFLFTIDTLNGDENDANAINDNSTSSSEKRRTVRVVRMFGCPHHS
HLRKEKIERNGIRNGWEPFGQWSLQKALLLARNATIQLNKNDEAGNECDDRDKQISGFAS
DNGAVSKKVGMSRRKNNCLAIEELKSICHNGKCLWKKRNKYDDIFDEITRQAGFSCEE
ETSGRSTFSS
>comp14717_c0_seq12; 268 293 1116 LEN=2450; translated
MNSKFTGMIMGYFRPTDPXVAASAI PGRVPLGFVCGYPVGTGGELYGGSMFMKSAASD TD
Q GKAIQS INEKWGEIGSNR PWGGRETIGIQVCKKKYSPFLFTIDTLNGDENDANAINDN
STSSSEKRRTVRVVRMFGCPHSHLRKEKIERNGIRNGWEPFGQWSLQKALLLARNATI
QLNKNDEAGNECDDRDKQISGFASDNGAVSKKVGMSRRKNNCLAIEELKSICHNGKCL
WKKRNKYDDIFDEITRQAGFSCEEETSGRSTFSS
>comp14717_c0_seq14; 138 122 589 LEN=1453; translated
MSSAARAFEQRSAAAVAQVIAELDNAASAPDTPEAASPAVDGAGSLDFRGAQIEEDAKLA
EQLQREYQKEEARVQRQRERRAAAAAEQNMSWTEWLMGTTPSTSAAGPQSSASSGGARV
AQP SG SIFACVAQSIGSAMGPAHEQVRGVDSSSL
>comp14717_c0_seq15; 677 123 1979 LEN=2634; translated
MPNLSGDKSMYERLLGSGSDMNMSWLC SHAI PEDSAIEMKSDSNRGAQWLRKTRESA
ARSKTVIWGPTHFS SDEADEASNKPKVLYGEENNETNLDQRFGTTPSKPAVGNNNSNNQS
QDTASTKSSHESNPPTDSDEHRIEPMGTVQVTLGRVWNNIQCLEDTTTDPAKEVGENENR
MMNLLSVCS PCKPRNLGDTFSVNCEDDTPLGISRLAPPNPCLQPPNDSNKNNTVACDEK
STNTVETAADRRRQRHKRRQLKSGAGDDTSPQEAYEVTPDQVMMMRKEQKKPSMILPRP
LPLKSLLELNSNQAVELERCISELTMRSSYGEATAKIAENRRMAYYAVGKHHRQSGRGGNR
RCYFTGKLI LGGAPFYAGSVQQGLRTL VVFLPSAVGLPKEVQATSSNS SRAPTIASLGS
GRRSNMSSSNASVAQSLGVGNPRSVAGASLLSRKNSRVSR LSSVDDATSLGCSVEEELD
PNWELDREYLLGVLPDPTQELLDEMAMRYPTQFETLPVQVRSPSCWSL FVKFCFFSGLPI
AEGEMHYKVRDNIADRYGEEIILSHEVMEAVNGESAEILRLPNLKTFRYL RKHYHQSAK
LPDNC FQRQAWEMVRPEV
>comp14718_c1_seq1; 448 188 1414 LEN=1910; translated
MVPGTTRQRQPPPMGREGERTPLVPLPREAGADRVLAAAAPSRKNPWLSPKRLVVGAG
AVAALVAAVWIHP ELVGRAAVAIGGSERVGVKCKDVYMPDLTAATRFYRSRVCYPDDG

KKHPLHFFAHGDFGGGPF SFAYRGI VNDIASR GFV VSMYLS CAIDQCDDGNASFL EILK
SMSFLESEAGWWTELIDFDAGYSASGHSTGGRAVLMLAALVDNPTRYLAGTKYASMIT EA
QRTSLQKFRAVVGDHPDIYLPGFNPVDVANFVVDKTPMTIVTGTNDYIEPELSAWKDFEA
VSPTANKLYVDMKGTGHLGPLL SHKEGPIYAFYCSCFLGGPRGGDGACDRVFGTSGAGAM
RNAIPMAAAGDRNTGDGVVGF LGCRRDKGGGESVPEGLEGYCKQTLHR

>comp14719_c0_seq1; 783 325 2190 LEN=2295; translated
MTSARCMAKKATAFQTP EELKSVKSLAVQIQMKNYV VAPRKF PKTLIIASIAIYMVYMVM
PLNAF SRAMGFERRLFSANSRTNDVKGISGAI VCRNILRIVRNGSSSLGERQCLSMVLGGP
PMEDHDQDYSDNSNDSKEYQRPLSRKTSDFQTALAI VPPLEDWDR LQRARHYARDPVFREW
PPAIRL FHPFDKAQNI AFDIAQLIEDLELEPFEVTLDSWVIVPNVEATKKEWEDQQFLPE
VVDGDTLDSY YGKLSEQSEQEIQDLIKSEERK GKIKAMKKNANAL AARGNRQDEKEELPR
GTARRK KSPAQLREEQRKSIEEDFGGPCVLCLEPDEESKEKLI ELRGILLEGLGIESYSS
PSSLYAWDYVDDMDMGYRPLIPISKFDTFHSAMEKASRLKGLWGDPLTINVKCLDILSCK
PPEESTEDS DDESDDWESFGMPNSSRFSQ QASQVEIKKDAWACNARIMLAGEEIQQDD
SANENMIEQLLESGEIGGADISMDFTILEDEEESTSNLEKWLDEDEDEFDEGTQVIIGRTH
FFTGDQRNYKGPATS VVDAKDRSLGEAGSVSGVARRRGSTSRKQNVWEDGEYGRRSKDF
LPWGLRERKEKEKHKWSEDEI

>comp14720_c0_seq1; 239 1 1685 LEN=2365; translated
XLSKRIRITILGTHCYVGMVTRKLLYTRDDSSPVALDSLPLVSSHHRNEAEAFDIDEEN
CIGRYGTGSHTSVETITKVTA FEKVGSSDDSRDAASIAPETAPHKSLGWLWGRLLLLFVLG
VYGSLNVSMMRVFARPNPPTPSASSTIQGF SVLGFLLP LLLWKNARNAKNQNHRAGTLP
KQRHCQTCRTILFGSSDSNIFYDPINGANDQELDRSKQRQTQNYQARLVWFALELALWN
FGTQALINTSLLVTRGARASFLVSTSVVWTPIVSSVMTLACRDHKNTTHPPQSQRGRRAI
VWGACVLALLGTWVISKGENRSGDEPVALAAERNDASAA RANGNSSLSLSPSPA WGDLC
CLLAALCWSLYICRLSALGDSFDETTTQFVKNVFLAILYSIWMVASVWYHNASEDTADDS
SSYDAH FSSWSLWKDWKIDSVAWGIL IY TALGPCTIADVCQQT AQASVPAAETNVILSME
PVFTTLLGLLILGETPSQPELVGGALILVASLLAADAVRSRRVDDHCCTQQPIYFAGMNS
LFYIRLGRIQRDNNQFPSALL

>comp14721_c0_seq1; 469 784 2073 LEN=2531; translated
MEGIDLGANQSVTLHLAGRGNRNLVKWRCNYG PVRNNQVNTFERDVRKQIAKELKEWGI
DPKKS KDHEDFWREVS NQAVAATKHSSSCAIS IETLFTNTIALSREVAEAVRQVLRNELE
DSVEFTFTNASDLLEFDKPFYFVFDKSSRS NVLQRRFELK KYKLKELDPFHRFEGIEHS
AEDWFRKIWKTTSLGGYVFEALVAHMHVHMVQCKSCKCRNQMF WNGGINISGSWADV VCR
KCKASYEIKSVSSDDAIEKRIFNSFP GGSFRQYYKNPAQFKERYLVIVSRKETYVKKLE
MVHRVSLARIRNVEPRLCGESFVGRGSHIRI ISNINIEKGSLEKAWCYVKPIADYTAMAK
EVFN NFYGDGAWTKENSKEIENNEHESPSKSRLEIATPNEEEKVEQLREN LKQELRVSSD
DDEDWESLY

>comp14721_c0_seq4; 458 904 2106 LEN=2564; translated
MSIYDYRNNQVNTFERDVRKQIAKELKEWGI DPKKS KDHEDFWREVS NQAVAATKHSSSC
AIS IETLFTNTIALSREVAEAVRQVLRNELEDSVEFTFTNASDLLEFDKPFYFVFDKSS
RSNVLQRRFELK KYKLKELDPFHRFEGIEHSAEDWFRKIWKTTSLGGYVFEALVAHMHVH
HMQCKSCKCRNQMF WNGGINISGSWADV VCRKCKASYEIKSVSSDDAIEKRIFNSFP GG
SFRQYYKNPAQFKERYLVIVSRKETYVKKLEMVHRVSLARIRNVEPRLCGESFVGRGSHI
RIISNINIEKGSLEKAWCYVKPIADYTAMAKEVFNNFYGDGAWTKENSKEIENNEHESPS
KSRLEIATPNEEEKVEQLREN LKQELRVSSDDEDWESLY

>comp14721_c0_seq6; 458 733 1935 LEN=2393; translated
MSIYDYRNNQVNTFERDVRKQIAKELKEWGI DPKKS KDHEDFWREVS NQAVAATKHSSSC
AIS IETLFTNTIALSREVAEAVRQVLRNELEDSVEFTFTNASDLLEFDKPFYFVFDKSS
RSNVLQRRFELK KYKLKELDPFHRFEGIEHSAEDWFRKIWKTTSLGGYVFEALVAHMHVH
HMQCKSCKCRNQMF WNGGINISGSWADV VCRKCKASYEIKSVSSDDAIEKRIFNSFP GG
SFRQYYKNPAQFKERYLVIVSRKETYVKKLEMVHRVSLARIRNVEPRLCGESFVGRGSHI
RIISNINIEKGSLEKAWCYVKPIADYTAMAKEVFNNFYGDGAWTKENSKEIENNEHESPS
KSRLEIATPNEEEKVEQLREN LKQELRVSSDDEDWESLY

>comp14721_c0_seq7; 458 922 2124 LEN=2582; translated
MSIYDYRNNQVNTFERDVRKQIAKELKEWGI DPKKS KDHEDFWREVS NQAVAATKHSSSC
AIS IETLFTNTIALSREVAEAVRQVLRNELEDSVEFTFTNASDLLEFDKPFYFVFDKSS
RSNVLQRRFELK KYKLKELDPFHRFEGIEHSAEDWFRKIWKTTSLGGYVFEALVAHMHVH
HMQCKSCKCRNQMF WNGGINISGSWADV VCRKCKASYEIKSVSSDDAIEKRIFNSFP GG
SFRQYYKNPAQFKERYLVIVSRKETYVKKLEMVHRVSLARIRNVEPRLCGESFVGRGSHI
RIISNINIEKGSLEKAWCYVKPIADYTAMAKEVFNNFYGDGAWTKENSKEIENNEHESPS

KSRL E I A T P N E E E K V E Q L R E N L K Q E L R V S S D D D E D W E S L Y
>comp14721_c0_seq8; 458 1093 2295 LEN=2753; translated
MSIYDYRNNQVNTFERDVRKQIAKELKEW GIDPKKSKDHEDFWREVS NQAVAATKHSSSC
AIS I E T L F T N T I A L S R E V A E A V R Q V L R N E L E D S V E F T F T N A S D L L E F D F K P F Y F V F D K S S
R S N V L Q R R F E L K K Y K L K E L D P F H R F E G I E H S A E D W F R K I W K T T S L G G Y V F E A L V A H H M V H
H M Q C K S C K C R N Q M F W N G G I N I S G S W A D V V C R K C K A S Y E I K S V S S D D A I E K R I K F N S F P G G
S F R Q Y Y K N P A Q F K E R Y L V I V S R K E T Y V K K L E M V H R V S L A R I R N V E P R L C G E S F V G R G S H I
R I I S N I N I E K G S L E K A W C Y V K P I A D Y T A M A K E V F N N F Y G D G A W T K E N S K E I E N N E H E S P S
KSRL E I A T P N E E E K V E Q L R E N L K Q E L R V S S D D D E D W E S L Y
>comp14721_c0_seq9; 469 613 1902 LEN=2360; translated
M E G I D L G A N Q S V T L H L A G R G N R N L V K W R C N Y G P V R N N Q V N T F E R D V R K Q I A K E L K E W G I
D P K K S K D H E D F W R E V S N Q A V A A T K H S S S C A I S I E T L F T N T I A L S R E V A E A V R Q V L R N E L E
D S V E F T F T N A S D L L E F D F K P F Y F V F D K S S R S N V L Q R R F E L K K Y K L K E L D P F H R F E G I E H S
A E D W F R K I W K T T S L G G Y V F E A L V A H H M V H M Q C K S C K C R N Q M F W N G G I N I S G S W A D V V C R
K C K A S Y E I K S V S S D D A I E K R I K F N S F P G G S F R Q Y Y K N P A Q F K E R Y L V I V S R K E T Y V K K L E
M V H R V S L A R I R N V E P R L C G E S F V G R G S H I R I I S N I N I E K G S L E K A W C Y V K P I A D Y T A M A K
E V F N N F Y G D G A W T K E N S K E I E N N E H E S P S K S R L E I A T P N E E E K V E Q L R E N L K Q E L R V S S D
D D E D W E S L Y
>comp14722_c0_seq1; 359 1 1189 LEN=1750; translated
X E A M K K K L S K L K E E E R K V D H Y L A Y L K E Q A A V Y N G R H P P S R E Q L M Y L P G G I S N V P E H M Y V R
F D D I T R M P A Y K S E T V I G I R A P A G T A L E V P N P E D A D G R Y E M Y L N S K G T G H P T A R G A K G E P I
N V Y V V Q P R V D Q Q D G S Q Q D E A R A G A P G F A Q E T P P S P Q R S S K A T A S E G S S K T A S S K T E P T D Q
Q Q E Q P P Q Q G P F R P P S R D H P D H H M Y E M P G H G G G E Y G S E R I P P Y P P P H V D P S W G P Y G H G P H G
Y Y G H P P H R Y P G P S D P H L Q R E G G D P E S R G S N R R E A F R R R P A G G P H P Y P H A H E M G R T A S A G
G E A P P G R P P S P S S Q Q N N Q L L T M P L Q S P N E Q H L L H F A S P A G G F T P P R G S R E R V A I R T G S P E
A F P I L S L P N D S S S R E Y T D G W Q P P R P K L S K G P Q G S H R
>comp14723_c0_seq1; 427 317 1792 LEN=1906; translated
M I V S W S A V I A S L L L F L F I C S S G V H P C L G D N S E D S I V E K W K A T V P S T R S Q R F P S I E S R I K L
Y L S N W Y S P P C K D D L D G F I Q Y S L G G W D T N T T S N S A K R W P T L E V A G L K D H P T V N Q T M R I M S N
I Q S I V E P D M L F F M D K E T I V N C A N F S Y D E E W G E Q T N D P Y R E R I K F R H N M R M Y C E D V E G L L M
P A W D H I Q W E E K D A D K D Y L P P P V L I Q F G D N K Q S H V F K D V Q V P H I K K F R S A A L T P N D L E A V T
S K D C Y S S R G E G I R E A L N S A H G T Q R F Q P I V W K L A T D R H F K K L K D V Y R Y D T Q W S H K K D Q A V F
R G Q L T G S R D G Y N K Y K S D D E N C Y N M K R C R L V Y N H A N S T L I H A R L T S T R G R L P D V L N G V E L L
A D K V K I D S L L E Y K G I I M I E G N D V A S G L K W A L L S Q S I V L M P I P K H T S W C M E E L L E P W V H Y V
P L D D Y A T N V E E R M Q W V I D H D E E A R R I S E R A T L W M E D L V F H P D A A E D D R L I Q E E L L R R Y K A
H F L E A G D A E V P
>comp14724_c0_seq3; 449 158 1882 LEN=3830; translated
M E E T I S A S P E Q E I P L A R S A P E P E P V Q N G H E T S E E P G P E N D H G S S V P D A I F N F T N S I V G A G
C I G L G G A I A L S G G L I S I A L V I F F A V L T K L S L D L L I R L S V E S T S A S D G S V A N A S Y E D L A E R
G M G Y W K G R V P V M V C K L S Y S F G C L V A Y V I V I K D N C G P A L L S L I Y G E G N D N G P G A D T D A D S V
S V S V S V S F T Y S G G E D S Q S D N S E W F H R F L E D Y S F V T W A V S L A L I L P L C L L R D M T P L A F G S L
I S V V S M V T I V G I V I Y I Y F A C P E V R Q E P T G G F Y E N W L E I R P G V L S N L G T F I F T F V S Q H T V H
L V F S S L K P S L R T V A K W K V V S S L S I L A A A T V S L L V G V F V Y I T F W Q N T K S D I F Q I Y P H G W M I
D T A K L L L C V T M V F T F P L P F F T C R E L L I L T V V H P L C G I H R K R S S E E S R G N D A G R V G T D A E
C P E V H E D E N D S M S G L Q R P L L S E E P A S T D N L S V D D D T M N A L P S E N S E P R S T P S I A T P Q K W L
L P D D D R Q L V L S G H V F L T T Q I W L V V T G L A I A A P S L G D I L D L V G C A S G T L I A F V I P G L L S F S
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>comp14724_c0_seq4; 715 196 2868 LEN=3058; translated
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R N N N S N S R K G R G D L H Y R R S A F D P I E E I G D T V F C S P C G G G D S N T K P S L S S S L V R I A V E G C C
H G E L D L I Y D R L L D H Q R T S G H A I D L L V C C G D F Q S L R S P A D Y H S S I P P K Y R R L G T F A K Y Y S
G E K V A P I L T V F I G N H E A S Q P L R E L H Y G G F V A P K I Y Y L G A A G V V R Y R G I R I A G I S G I Y K S
H D Y V C G Y H E V A P Y S D R R S V K S V Y H V R R I D V E R M K L L S R G N N D D S S N N N S K H T I D V F A S H D
W P L G I E Q H G D T Q G L I R R K P F F R R E I E R N E L G S P P N R E L L D V L K P T H W F A A H L H V K F H A T L
V H R T Q E P A T L A R K N D Q T N P T P Q T Q V S T T P P T S S V L M P S Q V R S K P V I S A P L L L P P P P P V N
V A N K M A S I P F D E N N A S D T D T S T N V K T D T E A D V D G T A A T A S V P S S T T E F H A M E G S E A T C K L
G N D S I P D L T E Q M T R F L A L D K C L P R R Q F L S V L N V R L L D T D G S G E G N E L S S Q L P D E R S G T T I
D Q H P N N P G D A S S S D I E A T A T M R T P T Q V Q P Q E E P S T S E E Y H L E Y D P E W L A I L K Q T H H W N T T
E R G P V S V P S F N H S N A Q Y D A S W R N R F K K T N F E N Q N K P A K E D L P S L A S A T P N E K K A Q Q D E R
G A A R A V D S K S N S A R Q K T P Y L E I P R D F V P T V P Y Y T N E A F R G G K S G S T T D P P S L P A M G N P Q T

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>comp14724_c0_seq6; 687 253 2484 LEN=2824; translated
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>comp14724_c0_seq7; 449 158 1882 LEN=2426; translated
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>comp14724_c0_seq10; 1035 105 2018 LEN=4394; translated
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>comp14725_c0_seq1; 626 99 2476 LEN=3124; translated
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>comp14726_c0_seq2; 323 1 1183 LEN=2410; translated
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>comp14727_c0_seq1; 564 147 2504 LEN=3023; translated
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>comp14728_c0_seq1; 383 473 1594 LEN=1744; translated
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>comp14728_c0_seq2; 383 861 1982 LEN=2132; translated
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>comp14728_c0_seq3; 383 1043 2164 LEN=2314; translated
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>comp14730_c0_seq1; 1013 96 3500 LEN=3556; translated
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>comp14730_c0_seq2; 1169 96 3953 LEN=4038; translated
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>comp14731_c1_seq3; 793 131 3025 LEN=3262; translated
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>comp14731_c1_seq4; 896 1 2196 LEN=2384; translated
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QKLITTVRQTNEMIASAANNNSNNAMSSTTGGVTDNESSDATCHDAWQHGRESNHGRMR
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LVHNDQDI FRAMAQMLKTAEEPTVPQTQQQQQQQQSQQSPTQAQHNNNNNSGANPSTVGA
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FFSCALTHSAY

>comp14732_c0_seq1; 956 67 2538 LEN=2707; translated
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VSPQNGRSLSDPLELFLVQLQKQKAEASNRMGGSNSTCSGSSLQNSVSFSPMSSSRINT
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MNDRMQSSLPGMNIAETFGGANVNNLRSMNMAGIGRNMNVGAGVGD RSNDPFLMADRIGA
TFHDLGNAPFPNTSNPTVGGSANFRRETEGFFSSEGFASNAANNNTSSSSSGGTNNAV
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YANNTSNIITSNSNATEFNSRSGNPFLKNLGTMDYRNHVLPLSLQHSSKARRRASMG
LVQGRQPTSSSSDATMDHISSTGMFSNETCGDSSGSAFPFQSSSELSQQHGSSVSS
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>comp14733_c0_seq1; 840 142 2896 LEN=2896; translated

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HEATDALGDALRTNSTLTKELLLVRSGLGPRGGNLAQGLSSNTSLLSLDLAGND
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DMSVNELYSEGAI AFGRALAINRSLHL SLERNEIGSVGATAIAAALKVNNTI
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KSVGTSLSDLRLERNRIGVTGCRAIAAGLEENSSLRHLNLR NGLQMGGNALAAAL
QKNNTLQSLDVSNNDIEIENVDADDDR VHIVESVVGHP SLQLVNL SDNALEI
IIPIDCQLKLARIYESERELDIDLSDNPLSSPPLGRRANIEGLKDYLKMLLSES
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FDTSGY RMDSSHMKS FARAIESLMRKG YFSTVGAVKME SLELEKLGEDS
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WYWSRFLRALGDRRRGSLLLAISQQDRVSGFEDGTLSDIDAAIEDELSAIRSKI
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>comp14734_c0_seq1; 286 473 1522 LEN=1674; translated
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NIPKTGNEQELIDRMRFQSMWNAEVDSIEPKTPSDLAVELKKNELHAQRDERKRALI
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AVKAPCDERND CGENDSHKRILSDHCEDQTSSTKPCRSSPDVIDIEACPDPVPHSG
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>comp14735_c0_seq1; 446 312 1856 LEN=2603; translated
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GEVAAFHSAGVMVIGTLIMSVRLIYLHFTHWYMPGVQKYVIRIILMVP IYAVQSWL
SLRFHHA RIYIDAIRDLYEAFVIASFVYYLIELLGGEDALVRTLRKKVRDDPALADH
LAQHTFPLSLVLEPWELGVEFMLQCKHGALQYVVAKTGFTIMTYIFQSLGMYGEGQF
VWTSPPYPLAF LMNISVMYALYSLVKLFHAVQDELRYPINWHPLGKFLCIKGVVFF
TWWQGVLI FYLKAHGVIGDVGSWTGDEVANGLIDYICIVEMVMFAIAHSFTFTYKE
YLPSTVENAIGDYEQQVQHNPIDDAEDNSRNDNDGDQGPSYNPPEMLDRPARFKDA
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>comp14737_c0_seq1; 367 153 1922 LEN=2410; translated
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>comp14739_c0_seq1; 1179 1 2670 LEN=2966; translated
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TGSLYRKGKRGDKTGTSDIFLTTLTSTGSHDLVIGEE SFLDATTAGNIYGPKGIFP
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NNDVVVVGSAEQSTLAS PDSMPGGYAMALDNKELGTIDSALLSSRTRYPTNVLSD
GENLYILALTPTDDEF SREYKEVLEVSKTNKLYSPDWMNMQYGTSLNMAITKLSL
RQELVDGVPIAGTT FARAWSKNFP IR ADEKGLLPRVALAGAVIKKDRGFLAVAG
STRGTGYAYGPKEGDDEDGFLALISLQTDLA TSEIRNTIREGTA EYDDVLGICDDP
ADDGSLYLVTTKGSMASSTQGSITIPAGSLQAYI RKVSTKNLATSSWTVQLGAVR
KDSLDGEDNADDDGVFTIPTTAKAIDCVVSGDNFYVAGI VDDNARMVKDDL PRL
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IDIVNAGKFDGKGLSMGGIIGITV SLLIVLSGLAYYFLHAGLVVRRSAILRNQV
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>comp14740_c0_seq1; 1011 238 3071 LEN=3225; translated
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KKSPSKQARLDSFFRVDSAKVIGSLKQLGRKDLTGTIVKRETLETIQNSDLENFNRTYEE
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TKLKVLETFIREVVYSDPTVDKRCNRGERSHVS MRVNTLSSALGLMLGGGTSSPLNISGS
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SINAVVGDENKERNECNLSLKKPGMDTKDAITMVQKTYDVC PDISKIVAALLEGGFDQMQR
VCSIQVMTPIAPMLAHPVHSFDELKERIGNDGEIAIMEWKYDGMRCQAHYDGVNIQLFSR
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DTIDVVP IGAWWGTGRKAQKSF LSPVLLAVYDDEEEVFRSICRCMSFTDAMYESIRKFYF
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>comp14741_c0_seq1; 203 1 1915 LEN=2209; translated
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GVHYGKTKLLVGLRHPVLWFESFYNHRVQNGYEMPDI LEVIRDRGRVLLNECPGNFRGV
CFSRANFHHALAKWGKTPLLFLPGNDTDKRFGYTNYDNDREFSLFTGKSKQNLLKDMNNT
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>comp14742_c0_seq1; 325 127 1227 LEN=1329; translated
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SGHGICGLARFSKRSLSAVLAFMATGMLTSTVCEPDCPWIREPSGSTGGPHLAWIGTGLT
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VKHKHIAGFLDAKGLANGTWDPTLVFVMAGLLVSTASYQFVPGFNVLWKNAPALNEPWS
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WLPSLL

>comp14742_c0_seq2; 178 1 818 LEN=920; translated
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PPGVRSTLVAVASGGLFSLGLGLSGMVKHKHIAGFLDAKGLANGTWDPTLVFVMAGLLV
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>comp14743_c0_seq1; 521 179 1702 LEN=1860; translated
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DGKDP IIPVVLVDEGTNPEGTYIGVNALEEQQEGDRANAFETKRKILAGVLGGLLLVAL
CAICVCLRRRRGRDRTTGP GSGSTDP RSAKDAGTVVCDDEEEGFRRDGVDEEIANPL
TVVRPRRVREGLPPPPAAEDSEDASATAQYAGRQHGDSSSSHGASLLDCVSVGSEWTLT
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>comp14744_c0_seq2; 399 340 1764 LEN=2110; translated
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FPDAAAVDLGNGRTSEWHGSVLIGSGDLTLSTSGHSGRAIVVGNIIYHSDSLGSEFHSYPF
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>comp14744_c0_seq3; 314 483 1907 LEN=2253; translated
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>comp14745_c0_seq1; 382 1 1999 LEN=2449; translated
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LATGARLGNVAVSFLFAAILFALEKSSPTQAVKSASIFVRQPWRVVFVGVSTLMQIVPLGL
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GSASIADCFDVF GFLLAWFNRFVASISARTDGDPSAWISCFVVTTL CALVAMLTQSLAV
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>comp14746_c0_seq1; 2766 1 13791 LEN=14094; translated
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TGSGGKTSSESANDEHNREHSYSTEPKNEPLKDKKSMVRIIVVGSKTLIWIYINNYRQQR
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SLMKALS IHLRPAPYPYGLLTLRLLGKLGKNRRVLR EPIIDSKAIMENS V GKLSLGF
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VSEYATQSKNEEVMLECAWRERDWDVSRALCSAPRIVA AVESGDPAMKICETLSAVADGK
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>comp14755_c0_seq1; 1013 272 2782 LEN=2803; translated
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>comp14756_c0_seq1; 258 289 978 LEN=1272; translated
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>comp14756_c0_seq2; 241 1 879 LEN=1173; translated
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>comp14756_c0_seq3; 241 1 879 LEN=1206; translated
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>comp14756_c0_seq4; 258 289 978 LEN=1305; translated
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>comp14757_c0_seq1; 688 152 1927 LEN=2272; translated
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>comp14757_c0_seq3; 452 152 889 LEN=889; translated
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>comp14758_c1_seq1; 222 317 1823 LEN=1823; minus strand; translated
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>comp14758_c1_seq2; 310 68 1486 LEN=2579; translated
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>comp14759_c0_seq1; 473 329 2344 LEN=2568; translated
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>comp14759_c0_seq2; 424 329 2368 LEN=2679; translated
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>comp14759_c0_seq3; 537 829 3060 LEN=3284; translated
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>comp14759_c0_seq4; 488 829 3084 LEN=3395; translated
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QGVQTYVTAIAVDSRQPGPPAPRSPSAGHHRKLSFSNLGPLLWGQSSQPESIGSGRAH
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>comp14760_c0_seq1; 431 102 1577 LEN=2257; translated
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SYGMTLLNAPTSVTEWRNEREIEDIYTKELEDMPLSLFSSKIMMHCFWNPMLRGENLEVS
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DEASF DREWCKTCITMDRKRFAVNFWRNTNRNVPVTKRPLAVLSTRYSVVDSGSIANRS
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>comp14760_c1_seq4; 333 271 1182 LEN=1199; translated
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>comp14760_c1_seq7; 351 271 1339 LEN=1605; translated
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>comp14761_c0_seq1; 1284 298 2640 LEN=2882; translated
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PVESSSSTATGPLTVEVSSVYNKEQSDPPMRKHCFQYTIKINTSPTDTIQLVGRRFEIQ
TVGSSMKDVVQEGEVTGRTPVLKPEVFEYTSAPLSVRPIGTTIVAARMKGEYRYEILP
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PEAPKKEAKSSKSPSSTLPGDDMKTGNI SVPLNDTSEVVTD SVRVALKSSYRPERSESS
QDKYCFAYSIRITNESSNPIQLVSRRFEIQSVGLPHKDVVSGPGVTGRQPIPKPGESFEY

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>comp14762_c0_seq1; 219 269 1579 LEN=1579; translated
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>comp14762_c0_seq2; 620 269 2914 LEN=3282; translated
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LKPGSYDEYGMINDSVLALRKFSAIFDNVAHRNVSLSSISYSYTSKGNVGYGPEHYVLS
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>comp14763_c0_seq1; 88 1 319 LEN=319; translated
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>comp14763_c0_seq2; 502 1 1404 LEN=1663; translated
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>comp14763_c0_seq3; 601 1 1968 LEN=2227; translated
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VLGLHEGQLVEYDAETLSPLG VVVTKEQLAAKPSAGHGDETTGPPRTKEILVVQNKSTLV
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>comp14763_c0_seq5; 511 1 1456 LEN=1715; translated
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>comp14763_c0_seq6; 599 1 1956 LEN=2215; translated
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>comp14764_c0_seq1; 1295 65 2257 LEN=2363; translated
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>comp14765_c0_seq1; 1349 103 4581 LEN=4669; translated
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>comp14766_c0_seq1; 513 1 1737 LEN=2109; translated
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VVIIHKNLFTQNAQLLVSAILAVELPGAKEKDGLLNMIEGLEQQI SELEESLLKEEKSKR
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>comp14767_c0_seq1; 300 114 1853 LEN=1870; translated
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>comp14767_c0_seq2; 389 359 1294 LEN=1396; translated
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TNETSSLRGEN

>comp14767_c0_seq3; 376 189 1124 LEN=1226; translated
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QSLSFLLAAFYLTWPPYLLALQFMLASGAAYSNYKFFLFACTFVPLQGFWNFLAYYRTRKIT
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TNETSSLRGEN

>comp14767_c0_seq5; 603 114 2804 LEN=2906; translated
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GQHACLSSCALSCHFSSTIVTNETEIFDQGISLSPKQRSLSLHSGSPQGSVTGPVVD
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YLALQFMLASGAAYSNYKFFLFACTFVPLQGFWNFLAYYRTRKITFLSRMTVTITARVEA
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>comp14768_c0_seq1; 664 499 2214 LEN=2528; translated
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>comp14768_c0_seq2; 664 499 2214 LEN=2382; translated
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>comp14768_c0_seq3; 663 499 2337 LEN=2505; translated
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>comp14768_c0_seq4; 663 499 2337 LEN=2651; translated
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>comp14769_c0_seq1; 412 294 1481 LEN=1988; translated
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NQCSSVIVTLNLLLRDRKMPFLIGLNAVFGFAGSFLNSFVSGEVIRTALDDQKSETIGLF
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>comp14770_c0_seq1; 1758 231 3434 LEN=3684; translated
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AGVPYDIVEELEEEINDDFSADAVTLVIGANDTVNSAAEDDPNSQIAGMPVLRVWNSKQVI
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>comp14771_c1_seq1; 402 1 1356 LEN=1987; translated
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>comp14771_c1_seq2; 497 1 1779 LEN=1840; translated
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>comp14771_c1_seq3; 402 1 1356 LEN=2527; translated
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>comp14771_c1_seq4; 522 1 2235 LEN=2380; translated
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TGGYDYRSSMNQNNQQQTQQYGKDTAPIQPTRRTRSDRAVSFQESGVT SYMNGLDHAKAKE
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>comp14772_c0_seq1; 331 526 1587 LEN=1587; translated
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>comp14774_c0_seq1; 315 329 1699 LEN=1947; translated
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>comp14775_c0_seq3; 233 1 804 LEN=970; translated
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>comp14775_c0_seq6; 1828 289 3323 LEN=3323; translated
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>comp14776_c0_seq2; 394 405 1415 LEN=2314; translated
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>comp14777_c0_seq1; 909 355 3171 LEN=3485; translated
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NDEIVSRLQEERDSLRSLEQKLADQDAMVKDVTILQKHLEEKDREVGNLRETLRSNTKT
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STMDVEYNRRFTFNMQMDQLILKDEQIARLQANEKSRDDLQMTLIDQIYDDKEKVELHSI
LMNLKKEKVELTDSLAKAQKELDVKASIVLTLESRIETITTKMKDKQYEMDILVKNFGQL
GEKNEVIEKRCQCMDNVVNRLAQEI LHI REGLVGENCDIEPIAKYVEMLLDIYAAACNGN
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MVLMTETLHTEREKENVERNLA RETRVMKESMEAMEVKNRCKLEKDMMTKISSLEKLN
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NEDSSSLKSLAEAKKSENELVTSYERQISSLTMNKDVTIDTLRKDLAASRSRSAEEVAR
LTNELSEMRELNDSLERRCNEDSMRVKDQRIHALEHTLCAQEKTVESLRYQLDQVQLSMR
DVSEQRKRDLEELQSELMESKSRAMDQDRENTCLKVKLDECKIEYENEIKRLKLDLPISK
SMKDLKDTNTMLEVKQRLEQLRVVNI ELKEDNIKLSAKLERALIKIRGLEAESEISAEME
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>comp14785_c0_seq1; 440 574 1680 LEN=3383; translated
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HLAVMIDGVE SMVGTSSVNLEVDVFLVCGFPLT SEREERIRKHL PNNVGFQFWDNATPLA
YEREESTGSMIEYKRALARQHRFVIRDKLDYDLFLAFKDDVLRGEHVHYYLQLSAELE
RLALASQKEEKMKDDSEVNHEVAKFNNTDLTKQEI EHFVPGFIQVEACCSGEEKRILLDSS
SIPADHDFNNDGGRRAVNIDPTICCHPKQYESINTKGFERPHPDLLI AWDTNIKLFSL
QQFPPESDLLDWVLM PGPKRGPPTTDKTI GSFLSSKKGAFNGKEKSDTGKDFARTQMFIYQ

MISFVILY

>comp14785_c0_seq2; 440 574 1680 LEN=3488; translated
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YEREESTGSMIEYKRALARQHRFVIRKLDYDYLFLAFKDDVLRGEHVHHYLQLSAELE
RLALALSQKEEKMKDDSEVNHEVAKFNTDLTKQEIIEHFVPGFIQVEACCSGEEKRILLDSS
SIPADHDFNNLDGGRRRAVNIDPTICCHPKQYESINTKGFERPHPDLLIAWDTNIKLFSL
QQFPPESDLLDWVVLMPGPKRGPTTDKTIQSFLSSKKGAFNGKEKSDTGKDFARTQMFYQ
MISFVILY

>comp14785_c0_seq3; 558 574 2016 LEN=3302; translated
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YEREESTGSMIEYKRALARQHRFVIRKLDYDYLFLAFKDDVLRGEHVHHYLQLSAELE
RLALALSQKEEKMKDDSEVNHEVAKFNTDLTKQEIIEHFVPGFIQVEACCSGEEKRILLDSS
SIPADHDFNNLDGGRRRAVNIDPTICCHPKQYESINTKGFERPHPDLLIAWDTNIKLFSL
QQFPPESDLLDWVVLMPGPKRGPTTDKTIQSFLSSKKGAFNGKEKSDTDVPHNLWQQQGG
WMATKIQIIRMHNQLCKSSILPPFRRIGDNDQGHDDFGPNGAEFWLDSQQIFAGGDQHCN
MQR IISMNP DHFSNHL LYLHLLNNKQKQVDQEDAVRVNNLFGQFNHIQKTAEKGAALQTS

>comp14785_c0_seq4; 489 574 1788 LEN=3407; translated
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RLALALSQKEEKMKDDSEVNHEVAKFNTDLTKQEIIEHFVPGFIQVEACCSGEEKRILLDSS
SIPADHDFNNLDGGRRRAVNIDPTICCHPKQYESINTKGFERPHPDLLIAWDTNIKLFSL
QQFPPESDLLDWVVLMPGPKRGPTTDKTIQSFLSSKKGAFNGKEKSDTDVPHNLWQQQGG
WMATKIQIIRMHNQLCKSSILPPFRRIGDNDQGHDDFGPNGAEFW

>comp14786_c0_seq2; 245 585 1289 LEN=2473; minus strand; translated
MTTAGIQKELLRRHRRGRNIQCRSTLFPNRFQKIKICNFQMLISPLVQTVTILVMGLLVL
LAFDANDTHSTTLARAQHDGTGIDSVSADKICACSPSTYTFVLDFSSTCPPTNITTFGVA
GVSCLVSPFGAPTNNLVPVVIDSVSILELDQANSVLVEERIDGELFNGESYRYSIIINNL
QVAASIEQDQVPKALQLNLRGRNKDGISLLNVFIITFTNECDTSPVLRMGESVWG

>comp14786_c0_seq3; 134 416 549 LEN=549; translated
MATRDGTKDEANAGMVAEPMGPEYKDNMTMAMFIMAGMVVSSAGFA

>comp14786_c0_seq4; 182 167 757 LEN=1404; translated
MPGQRAVSSAPSARRLDFGDDEKDTQRVHSVQPVGSTSLESSVQTNLVAGTPQKKRRT
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AAFALVEEHCGIPPGFENDRKYGPLSGTCFEQRLLDAYDKGMVRPKIGPGGNTTGIEICT
HCASLGHGRDECPVLI

>comp14787_c0_seq1; 493 315 1375 LEN=2147; translated
MASLANVEHRNQEATVYVGNLDAVCTEKILLELFAQVGRVKSVMPTDKITSTHNGYGFIE
FLDTQDAEYAIQILNMMKFYNRPLKVSKSSLHNSKTDMSRVDGANLFGVNLDPVDVDE
HLLYDTFGAFGLTIKQPKIMREEDTGESKGFVSVYDSFEASDTALECMNGQYLGNRQIV
VQYAFKKDTAGGQHPGGNPGGSHERHGSRAERMLAAQRNSRREEQRAQGGGSAGPPPPGR
GMPPPPPPAAPGGGFGAYGRGGYYXAGAGRDDAPAAAADGGRRDEPDGRRRATASSSAPA
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>comp14788_c0_seq1; 333 173 1852 LEN=2549; translated
MITIPSVANATPANTSADAIPITWNQESGRRRRRRRDSNTRSVRISSLSYRCFLLSVLV
LLKFHDSEWRSRSASWKTFPTAEAFVPTTAPRIIPTSNANANANHRQCRKRTRHDTANA
DTKRNRNTALWFFS IGRNKQNVNYNEGDPDLPLARYVDLSANYTLAATPEDYIDLQNGQR
LVCVGDVHGLDALSKFLETAGVYDPTQSWCGGNTVLVQCGDVLDRGFEELACYQLLAR
LSHEALAEAGRLVLLIGNHEVLNAMGLFQYACTDQEHEQYIGSAVDDAINGAQNKRIOY
VGNQPTRWASYPGGLLAHSLMRNMKVAIRVGKTCVHAGLKPQHLLKDHGGIEGMNAEFR
EWITLGEPTSVPYKQGGGEQRSVAQQLKDNPLVYNHGGQY PANMVSPEEQPWIDAKRQ
TFYIQSTPSFLASNPDQPGPIWMREYSSPHDVPDADGSLRAMLDETLALLDADRMMVG
HTIQRKINAFFGGKAWRIDVGASKGCLNGKPEVLEVVGNDGPEVTVFVLTSGSAPGIGTK
IPARERMVDSYTA AAVSMM

>comp14788_c0_seq2; 313 1 1769 LEN=2466; translated
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RRRRRRRDSNTRSVRISSLSYRCFLLSVLVLLKFHDSEWRSRSASWKTFPTAEAFVPTTA
PRIIPTSNANANANHRQCRKRTRHDTANADTKRNRNTALWFFS IGRNKQNVNYNEGDPD

LPLARYVDLSANYTLAATPEDYIDLQNGQRLVCGDVHGDLDALSKFLETAGVYDPSTQS
WCGGNTVLVQCGDVLDRGFEELACYQLLARLSHEALAEGRVLVLLIGNHEVLNAMGLFQY
ACTDQEHEQYIGSAVDDAINGAQNKWRIQYVGNQPTRWASYEPGGLLAHSLMRNMKVAIR
VGKTCVHAGLKPQHLKDHGGIEGMNAAFREWITLGEETSPVPYKQGGGEQRSVAQQLKD
NPLVYNHHGQYPANMVSPPEQPWIDAQKRQTFYIQSTPSFLASNPQDPGPIWMREYSSPH
DVPPHDADGSLRAMLDETLLELLDADRMVMGHTTIQRKINAAFGGKAWRIDVGASKGCLNGK
PEVLEVGNHGDGPETVFLVLTSGSAPGIGTKIPARERMVDSYTAAAVSMM

>comp14789_c0_seq1; 329 127 1233 LEN=2058; translated
MTEYEAAAYTAKDLILYALSLGMGSQVDDASELKFLYERDDKFGVGVPTFCFAFTFWAMRNR
KENRIGISTTQRIPPPPPVMSDEEVI PRRFRNNTDISNMPVIHTWQSIVWHRPIEVPT
SNLAVTVHINSETIATQPKTIGTFVTSQSNVTRPNNRQPLCTMQSTALVLGMDPKNVIS
FNAGIKRLTSNPKIPSKSEQTEGKKTPIFEWYQTTQSQALLYRMASGDSNNIHVDTSAS
EMLGTNKKAPLLHGLFTLALAFRAILKLFADPYRSSLRHEFGGVEDCEFFFRKLEGAFK
APGFVGDCLSIKIWDLSSSTPEGVKTNTKFRFLFVIINNDSGRKLVDNGYAEIEIASKTL
SSASRSL

>comp14790_c0_seq1; 395 100 2209 LEN=2653; translated
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VDEIEGAYEDEEPCDLLEAHIASQAHALIFGDSENRGF IHNVSETAAKRDAPGISVFFVVS
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IDGGTAMTYSAVDYDGRIIGGGISPGVKVRLQSLADYTGALPNIDHKKFKALVEGNIAAK
TPFPFLFAKDTETAMISPICGELACQLRSIVRQFVSRCSNQPTSLTSSNEGEVTEKEPTE
QNNCKEGEVKEKESPEQKLP IIFTGGDAKFLYDLLKTDASGIVSMEPSEAPTPTNIYTK
IVRNLVTYAIGNIVHEKFLQKPMTPQEKLKLIQGLRIAAPAIDPDDVFTRGCVFNITPA
SII EGYAFHARFDNGMQKDLTTELYGKIFLVGMAKLQMLWDSAHKLSVFLANEDYLVLY
NEIGEEMWSGSVGSVDEDEDWVTEKKTWSSKVQEELCNVSRP IRSRTRELKPHIERGEVHK
LFRKRSIGWKQSRSNKRVRKRDVRKLQKPIGKR IANMFP IESADGQDLADTIFFGTVKHVS
DPHLEWYFIQYDDGDVEEIDLNEVMNGIALYKEHKGNDBGKADSTAGGSATSSATTTKLVS
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>comp14790_c0_seq2; 316 100 2326 LEN=2770; translated
MEDTKKPKTTIEYAEWPRDAPSALERKVLISII CGNSRLHWALHEGSVNKFIPILFWHTAH
VDEIEGAYEDEEPCDLLEAHIASQAHALIFGDSENRGF IHNVSETAAKRDAPGISVFFVVS
SNPAMEEKICYMFRDVPKIFKLRNTDFFTEEQGVYPTMGVDRVAALYGAKLHYGCPALV
IDGGTAMTYSAVDYDGRIIGGGISPGVKVRLQSLADYTGALPNIDHKKFKALVEGNIAAK
TPFPFLFAKDTETAMVKYDACREREREKESRPFEPAPKSANQSMFVSNGCYFAKISPICGE
LACQLRSIVRQFVSRCSNQPTSLTSSNEGEVTEKEPTEQNNCKEGEVKEKESPEQKLP
IIFTGGDAKFLYDLLKTDASGIVSMEPSEAPTPTNIYTKIVRNLVTYAIGNIVHEKFLQK
PMTPEKELKLIQGLRIAAPAIDPDDVFTRGCVFNITPASII EGYAFHARFDNGMQKDLT
LTELYGKIFLVGMAKLQMLWDSAHKLSVFLANEDYLVLYNEIGEEMWSGSVGSVDEDEDWV
TEKKTWSSKVQEELCNVSRP IRSRTRELKPHIERGEVHKLFRKRSIGWKQSRSNKRVRKRD
VRKLQKPIGKR IANMFP IESADGQDLADTIFFGTVKHVS DPHLEWYFIQYDDGDVEEIDL
NEVMNGIALYKEHKGNDBGKADSTAGGSATSSATTTKLVSQKVTVTKETNTFTDMSLLLSA
SSPAFGNEDTRRISEHKEDID

>comp14790_c0_seq3; 316 1 2085 LEN=2529; translated
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EDEEPCDLLEAHIASQAHALIFGDSENRGF IHNVSETAAKRDAPGISVFFVVS SNPAMEEK
ICYMFRDVPKIFKLRNTDFFTEEQGVYPTMGVDRVAALYGAKLHYGCPALVIDGGTAMT
YSAVDYDGRIIGGGISPGVKVRLQSLADYTGALPNIDHKKFKALVEGNIAAKTPFPFLFAK
DTETAMISPICGELACQLRSIVRQFVSRCSNQPTSLTSSNEGEVTEKEPTEQNNCKEGE
VKEKESPEQKLP IIFTGGDAKFLYDLLKTDASGIVSMEPSEAPTPTNIYTKIVRNLVTY
AIGNIVHEKFLQKPMTPQEKLKLIQGLRIAAPAIDPDDVFTRGCVFNITPASII EGYAF
HARFDNGMQKDLTTELYGKIFLVGMAKLQMLWDSAHKLSVFLANEDYLVLYNEIGEEM
WSGSVGSVDEDEDWVTEKKTWSSKVQEELCNVSRP IRSRTRELKPHIERGEVHKLFRKRSIG
WKQSRSNKRVRKRDVRKLQKPIGKR IANMFP IESADGQDLADTIFFGTVKHVS DPHLEWYF
IQYDDGDVEEIDLNEVMNGIALYKEHKGNDBGKADSTAGGSATSSATTTKLVSQKVTVTKE
TNTFTDMSLLLSASSPAFGNEDTRRISEHKEDID

>comp14790_c0_seq4; 237 1 2202 LEN=2646; translated
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EDEEPCDLLEAHIASQAHALIFGDSENRGF IHNVSETAAKRDAPGISVFFVVS SNPAMEEK
ICYMFRDVPKIFKLRNTDFFTEEQGVYPTMGVDRVAALYGAKLHYGCPALVIDGGTAMT
YSAVDYDGRIIGGGISPGVKVRLQSLADYTGALPNIDHKKFKALVEGNIAAKTPFPFLFAK

DTETAMVKYDACREREREKESRPFEPAPKSANQSMFVSNNGCYFAKISPICGELACQLRSI
VRQFVSRQCQSNQPTSLTSSNEGEVTEKEPTEQNNCKEAGEVKEKESPEQKLP I IFTGGDA
KFLYDLLKTDASGIVSMEPSEAPTPTNIYTKIVRNLVTYAIGNIVHEKFLQKPMTPQEKL
KLKIQGLRIAAPAIDPDDVFTRGCVFNITPAS I IEGYAFHARFDNGMQKDLTLTELYGKI
FLVGMAKLQMLWDSAHKLSVFLANEDYLVLYNEIGEEGMWGSVGSVDEDEDWVTEKKTWSS
KVQEELCNVSRPIRSRTRELKPHIERGEVHKLFRKRSIGWKQSRSNKRVRKRDVRKLQKPI
GKR IANMFPIESADGQDLADTIFFGTVKHVSDPHLEWYFIQYDDGDVEEIDLNEVMNGIA
LYKEHKGNDGKADSTAGGSATSSATTTKLVSQKVTVTKETNTFTDMSLLLSASSPAFGNE
DTRRISEHKEDID

>comp14790_c0_seq5; 325 100 2241 LEN=2685; translated
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SNPAMEEKICYMFRDVPKIFKLRNTDFFTEEQGVYPTMGVDRVAALYGAKLHYGCPALV
IDGGTAMTYSADVYDGR I IGGGISPGVKVRLQSLADYTGALPNIDHKKFKALVEGNIAAK
TPFPLFAKDTETAMVKYDACREREREKESRPFEPAPKSANQSMFVSNNGCYFAKISPICGE
LACQLRSIVRQFVSRQCQSNQPTSLTSSNEGEVTEKEPTEQNNCKEAGEVKEKESPEQKLP
I IFTGGDAKFLYDLLKTDASGIVSMEPSEAPTPTNIYTKIVRNLVTYAIGNIVHEKFLQK
PMTPQEKLKLKIQGLRIAAPAIDPDDVFTRGCVFNITPAS I IEGYAFHARFDNGMQKDLT
LTELYDYLVLYNEIGEEGMWGSVGSVDEDEDWVTEKKTWSSKVQEELCNVSRPIRSRTREL
KPHIERGEVHKLFRKRSIGWKQSRSNKRVRKRDVRKLQKPIGKR IANMFPIESADGQDLAD
TIFFGTVKHVSDPHLEWYFIQYDDGDVEEIDLNEVMNGIALYKEHKGNDGKADSTAGGSA
TSSATTTKLVSQKVTVTKETNTFTDMSLLLSASSPAFGNEDTRRISEHKEDID

>comp14790_c0_seq6; 404 100 2124 LEN=2568; translated
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SNPAMEEKICYMFRDVPKIFKLRNTDFFTEEQGVYPTMGVDRVAALYGAKLHYGCPALV
IDGGTAMTYSADVYDGR I IGGGISPGVKVRLQSLADYTGALPNIDHKKFKALVEGNIAAK
TPFPLFAKDTETAMISPICGELACQLRSIVRQFVSRQCQSNQPTSLTSSNEGEVTEKEPTE
QNNCKEAGEVKEKESPEQKLP I IFTGGDAKFLYDLLKTDASGIVSMEPSEAPTPTNIYTK
IVRNLVTYAIGNIVHEKFLQKPMTPQEKLKLKIQGLRIAAPAIDPDDVFTRGCVFNITPA
S I IEGYAFHARFDNGMQKDLTLTELYDYLVLYNEIGEEGMWGSVGSVDEDEDWVTEKKTWS
SKVQEELCNVSRPIRSRTRELKPHIERGEVHKLFRKRSIGWKQSRSNKRVRKRDVRKLQKPI
GKR IANMFPIESADGQDLADTIFFGTVKHVSDPHLEWYFIQYDDGDVEEIDLNEVMNGI
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EDTRRISEHKEDID

>comp14790_c0_seq7; 325 1 2000 LEN=2444; translated
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ICYMFRDVPKIFKLRNTDFFTEEQGVYPTMGVDRVAALYGAKLHYGCPALVIDGGTAMT
YSAVDYDGR I IGGGISPGVKVRLQSLADYTGALPNIDHKKFKALVEGNIAAKTPFPLFAK
DTETAMISPICGELACQLRSIVRQFVSRQCQSNQPTSLTSSNEGEVTEKEPTEQNNCKEAGE
VKEKESPEQKLP I IFTGGDAKFLYDLLKTDASGIVSMEPSEAPTPTNIYTKIVRNLVTY
AIGNIVHEKFLQKPMTPQEKLKLKIQGLRIAAPAIDPDDVFTRGCVFNITPAS I IEGYAF
HARFDNGMQKDLTLTELYDYLVLYNEIGEEGMWGSVGSVDEDEDWVTEKKTWSSKVQEELC
NVSRPIRSRTRELKPHIERGEVHKLFRKRSIGWKQSRSNKRVRKRDVRKLQKPIGKR IANM
FP IESADGQDLADTIFFGTVKHVSDPHLEWYFIQYDDGDVEEIDLNEVMNGIALYKEHKG
NDGKADSTAGGSATSSATTTKLVSQKVTVTKETNTFTDMSLLLSASSPAFGNEDTRRISE
HKEDID

>comp14790_c0_seq8; 246 1 2117 LEN=2561; translated
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ICYMFRDVPKIFKLRNTDFFTEEQGVYPTMGVDRVAALYGAKLHYGCPALVIDGGTAMT
YSAVDYDGR I IGGGISPGVKVRLQSLADYTGALPNIDHKKFKALVEGNIAAKTPFPLFAK
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VRQFVSRQCQSNQPTSLTSSNEGEVTEKEPTEQNNCKEAGEVKEKESPEQKLP I IFTGGDA
KFLYDLLKTDASGIVSMEPSEAPTPTNIYTKIVRNLVTYAIGNIVHEKFLQKPMTPQEKL
KLKIQGLRIAAPAIDPDDVFTRGCVFNITPAS I IEGYAFHARFDNGMQKDLTLTELYDYLV
LYNEIGEEGMWGSVGSVDEDEDWVTEKKTWSSKVQEELCNVSRPIRSRTRELKPHIERGE
VHKLFRKRSIGWKQSRSNKRVRKRDVRKLQKPIGKR IANMFPIESADGQDLADTIFFGTVK
HVSDPHLEWYFIQYDDGDVEEIDLNEVMNGIALYKEHKGNDGKADSTAGGSATSSATTTK

LVSQKVTVTKETNTFTDMSLLLSASSPAFGNEDTRRISEHKEDID
>comp14791_c0_seq1; 331 57 1099 LEN=1677; translated
MDITASVRS AEGSSASNPICVDDYLS DIVTEAESASSSHPICVDDFLSDTESETKTELAS
SSHPICVDDYLSETESETKIELVDLQECNNSSSLPRDDYSYYSEEQAANKKSGXYEEHIL
RSMDEESRRENRRKQRCERAKRQRMSTLMWFAVALLLLEVAAATIAIMNHKELIECCGRS
IFSEDESTAERWNTILYYIGVCYLLIIILVEFPTLIIAQEPLFVFNPMVG YLLVMQMMYA
TDPRNAYIIFGLEVCAMIGQSTVLGAMHRTPEMCIHSILNYTLAGITIIYLLLRLLTGQGGY
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>comp14791_c0_seq2; 331 57 1099 LEN=1447; translated
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RSMDEESRRENRRKQRCERAKRQRMSTLMWFAVALLLLEVAAATIAIMNHKELIECCGRS
IFSEDESTAERWNTILYYIGVCYLLIIILVEFPTLIIAQEPLFVFNPMVG YLLVMQMMYA
TDPRNAYIIFGLEVCAMIGQSTVLGAMHRTPEMCIHSILNYTLAGITIIYLLLRLLTGQGGY
CIVNDRIQSIFSEMTCNVSCTDGESCFQCLEDGNEDISISTQCFIHF
>comp14791_c0_seq3; 331 57 1099 LEN=1293; translated
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RSMDEESRRENRRKQRCERAKRQRMSTLMWFAVALLLLEVAAATIAIMNHKELIECCGRS
IFSEDESTAERWNTILYYIGVCYLLIIILVEFPTLIIAQEPLFVFNPMVG YLLVMQMMYA
TDPRNAYIIFGLEVCAMIGQSTVLGAMHRTPEMCIHSILNYTLAGITIIYLLLRLLTGQGGY
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>comp14791_c0_seq4; 449 113 1390 LEN=1738; translated
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FAGAGSEEQEWTYEEHILRSMDEESRRENRRKQRCERAKRQRMSTLMWFAVALLLLEVAA
ATIAIMNHKELIECCGRSIFSEDESTAERWNTILYYIGVCYLLIIILVEFPTLIIAQEPL
FVFNPMVG YLLVMQMMYATDPRNAYIIFGLEVCAMIGQSTVLGAMHRTPEMCIHSILNYT
LAGITIIYLLLRLLTGQGGY CIVNDRIQSIFSEMTCNVSCTDGESCFQCLEDGNEDISISTQ
CFIHF
>comp14791_c0_seq5; 449 113 1390 LEN=1584; translated
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EKESVHDAEQILNDRNDLPDSDGNEKDKNGSDDGRSND SVVSEAENGESTHTRKRRNVS
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>comp14791_c0_seq6; 449 113 1390 LEN=1968; translated
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>comp14792_c0_seq1; 264 220 1398 LEN=1852; translated
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SRVDEY PVVEPRGDFPPPLSFRKGGDGTQPKK KIALIGH SAGGWISRVYLS SSPYGGKAY
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>comp14793_c0_seq1; 352 1 1061 LEN=1061; translated
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>comp14793_c0_seq2; 552 1 1567 LEN=1567; translated
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>comp14794_c0_seq4; 304 420 2699 LEN=2926; translated
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>comp14794_c0_seq5; 479 294 2699 LEN=2856; translated
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>comp14795_c1_seq1; 502 1 1323 LEN=1323; translated
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>comp14795_c1_seq2; 532 1 1335 LEN=1335; translated
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>comp14796_c0_seq1; 420 1 1887 LEN=3141; translated
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>comp14798_c0_seq2; 1028 128 3418 LEN=3722; translated
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>comp14799_c0_seq1; 221 1 1307 LEN=1668; translated
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>comp14799_c0_seq2; 343 1 1886 LEN=2247; translated
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>comp14799_c0_seq3; 21 1 1479 LEN=1840; translated
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>comp14799_c0_seq4; 392 1 1714 LEN=2075; translated
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>comp14800_c0_seq1; 1788 1 3241 LEN=3291; translated
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>comp14801_c0_seq1; 222 1 1335 LEN=1589; translated
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>comp14802_c0_seq1; 251 154 1035 LEN=1925; translated

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>comp14803_c0_seq2; 3371 169 11174 LEN=11337; translated
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>comp14805_c0_seq4; 713 1 1325 LEN=1443; translated
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>comp14805_c0_seq6; 549 1 1307 LEN=2139; translated
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>comp14807_c0_seq2; 506 106 1350 LEN=1490; translated
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VNQNHARYFELHKESMVL MGRVNDVATISKACMPIERARRIVRYMNI AHICTYTGLSEYY
SRDNL DPLDQRFALLTDAEYQRITVDINADCGPQAVFEVLAWAMMDIREAKNHGCIDPM
EAKQLRDQVLQFRSTVAKIFVTCTLPPIFFYIHFLSLLTVCYLPLFAIVVAHETGGSNAS
WQHEVLSLLVVALQALFTIGLRS LGQKLSDPFGSDTIDLQVARYVLMIVKGSNQILSATK
VPGVSRIVERKLEDMTFIGKAYERTEDDEGNIW

>comp14809_c0_seq2; 251 178 1023 LEN=1424; translated
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YTGLSEYYSRDNL DPLDQRFALLTDAEYQRITVDINADCGPQAVFEVLAWAMMDIREAK
NHGCIDPMEAKQLRDQVLQFRSTVAKIFVTCTLPPIFFYIHFLSLLTVCYLPLFAIVVAH
ETGGSNASWQHEVLSLLVVALQALFTIGLRS LGQKLSDPFGSDTIDLQVARYVLMIVKGS
NQILSATK VPGVSRIVERKLEDMTFIGKAYERTEDDEGNIW

>comp14809_c0_seq3; 485 170 2056 LEN=2457; translated
MNSMLPIINDQSNRSVQAITVGF DGVVRAAGDNSRNIDSTRSIDSTSTRSTLSDSNTTGH
SYTDSNIHGKHSTNNNGNNTTINTTNNNDNNDNNSYTSNTSNTNNTNDTNRGDGVAALGS
EVDYENQSVGDTYHKNNTVSFLDASAAASAYGYNNQFNNSRNRLQDSGQRSDFSHTPFRR
RSSLSERERLDKLENDPLEFTNWGGRKAITRRVGKEKAPQLGGSNRKFDSDSGSKLSIK
FEEEGRMPKPSVWARTVRFQKDSSEGLIKNDQLREQIAEQCEEPFYRILFHFKGTVLK

VIATDILFWSTIAIFIGNRWYIRFTDLQENVEIYENLASNLVYVGGFMTFFLVFYVNQNH
ARYFELHKESMVL MGRVNDVATISKACMPIERARRIVRYMNI AHICTYTG LSEYYSRDNL
LDPLDQRFALLTDAEYQRITVDINADCGPQAVFEVLAWAMMDIREAKNHG CIDPMEAKQL
RDQVLQFRSTVAKIFVTCTLP I PFFYIHFLSLLTVCYLPLFAIVVAHETGGSNASWQHEV
LSLLVVALQALFTIGLRLSLGQKLSDPFGSDTIDLQVARYVLMIVKGSNQILSATKVPGV
RIVERK LKEDMTFIGKAYERTEDEGNIW

>comp14810_c0_seq1; 688 379 2052 LEN=2317; translated
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DSTNTE TTTIDVFD SNTGTVAATVPDGT EEDTLAAIAAAKAALPGWSRGTS LPERMEAIQS
FLGHFLQRQDEICDRLA VELGCPAGLSRTVQFGSFPFHGSTLMKLLGDDNEKAFWEYSA
GNSTVVREPIGVVGAITPWNYP LHQIALKVIPALVAGCTVVLKPSEVTPLVAYSIAEALD
ESGSFPEGVFNMVVGGGPECGEV LARHPDVNLVSFTGSTKAGQILVRAAAESGTMKPVRT
ELGGKSAALLLEDADLESVVP SFVKHVTVNTGQSCNALS RMLV PRAHYEAVLGIAEATME
SEIVGPGTDPETT VGPLASRAQYDRVVS YIETGISEGARLV TGGVPSNNKYEGGGYFVAP
TLFADVTNDMTIAREE IFGPVL CVIPYDDESEAVRLANETPYGLNNAVASSDVKRALGVA
SQLESGMMAKRHLVGTN

>comp14810_c0_seq2; 688 389 2062 LEN=2327; translated
MLHPRLSMLVPPQKVLRLTTTRALPAVAPWTTTTPTTTTTIPTATRCKSSAVPKISSSPS
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DSTNTE TTTIDVFD SNTGTVAATVPDGT EEDTLAAIAAAKAALPGWSRGTS LPERMEAIQS
FLGHFLQRQDEICDRLA VELGCPAGLSRTVQFGSFPFHGSTLMKLLGDDNEKAFWEYSA
GNSTVVREPIGVVGAITPWNYP LHQIALKVIPALVAGCTVVLKPSEVTPLVAYSIAEALD
ESGSFPEGVFNMVVGGGPECGEV LARHPDVNLVSFTGSTKAGQILVRAAAESGTMKPVRT
ELGGKSAALLLEDADLESVVP SFVKHVTVNTGQSCNALS RMLV PRAHYEAVLGIAEATME
SEIVGPGTDPETT VGPLASRAQYDRVVS YIETGISEGARLV TGGVPSNNKYEGGGYFVAP
TLFADVTNDMTIAREE IFGPVL CVIPYDDESEAVRLANETPYGLNNAVASSDVKRALGVA
SQLESGMMAKRHLVGTN

>comp14810_c0_seq3; 672 389 2041 LEN=2624; translated
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DSTNTE TTTIDVFD SNTGTVAATVPDGT EEDTLAAIAAAKAALPGWSRGTS LPERMEAIQS
FLGHFLQRQDEICDRLA VELGCPAGLSRTVQFGSFPFHGSTLMKLLGDDNEKAFWEYSA
GNSTVVREPIGVVGAITPWNYP LHQIALKVIPALVAGCTVVLKPSEVTPLVAYSIAEALD
ESGSFPEGVFNMVVGGGPECGEV LARHPDVNLVSFTGSTKAGQILVRAAAESGTMKPVRT
ELGGKSAALLLEDADLESVVP SFVKHVTVNTGQSCNALS RMLV PRAHYEAVLGIAEATME
SEIVGPGTDPETT VGPLASRAQYDRVVS YIETGISEGARLV TGGVPSNNKYEGGGYFVAP
TLFADVTNDMTIAREE IFGPVL CVIPYDDESEAVRLANETPYGLNNAVASSDVKRALGVA
SQLESGMVRA

>comp14810_c0_seq4; 672 379 2031 LEN=2614; translated
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DSTNTE TTTIDVFD SNTGTVAATVPDGT EEDTLAAIAAAKAALPGWSRGTS LPERMEAIQS
FLGHFLQRQDEICDRLA VELGCPAGLSRTVQFGSFPFHGSTLMKLLGDDNEKAFWEYSA
GNSTVVREPIGVVGAITPWNYP LHQIALKVIPALVAGCTVVLKPSEVTPLVAYSIAEALD
ESGSFPEGVFNMVVGGGPECGEV LARHPDVNLVSFTGSTKAGQILVRAAAESGTMKPVRT
ELGGKSAALLLEDADLESVVP SFVKHVTVNTGQSCNALS RMLV PRAHYEAVLGIAEATME
SEIVGPGTDPETT VGPLASRAQYDRVVS YIETGISEGARLV TGGVPSNNKYEGGGYFVAP
TLFADVTNDMTIAREE IFGPVL CVIPYDDESEAVRLANETPYGLNNAVASSDVKRALGVA
SQLESGMVRA

>comp14810_c0_seq5; 704 389 2200 LEN=2352; translated
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AALHKQKHKDTFFCSQHCAHCKPGRPGHRSFASTARAASSGGSSEHIRSYDKQYINGTWI
DSTNTE TTTIDVFD SNTGTVAATVPDGT EEDTLAAIAAAKAALPGWSRGTS LPERMEAIQS
FLGHFLQRQDEICDRLA VELGCPAGLSRTVQFGSFPFHGSTLMKLLGDDNEKAFWEYSA
GNSTVVREPIGVVGAITPWNYP LHQIALKVIPALVAGCTVVLKPSEVTPLVAYSIAEALD
ESGSFPEGVFNMVVGGGPECGEV LARHPDVNLVSFTGSTKAGQILVRAAAESGTMKPVRT
ELGGKSAALLLEDADLESVVP SFVKHVTVNTGQSCNALS RMLV PRAHYEAVLGIAEATME
SEIVGPGTDPETT VGPLASRAQYDRVVS YIETGISEGARLV TGGVPSNNKYEGGGYFVAP
TLFADVTNDMTIAREE IFGPVL CVIPYDDESEAVRLANETPYGLNNAVASSDVKRALGVA

SQLESGMVMVNSTNVDGEAPFGGYKLSGNAREWGLAGLEEFLLITKTLNVPLREYRAAVYG
EHI

>comp14810_c0_seq6; 704 379 2190 LEN=2342; translated
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DSTNTEETTIDVFDSTGTVAATVPDGTTEEDTLAAIAAAKAALPGWSRGTSLPERMEAIQS
FLGHFLQRQDEICDRLAVALGCPAGLSRTVQFGSFPFHGSTLMKLLGDDNEKAFWEYSA
GNSTVVREPIGVVGAITPWNYPHQLKALVIPALVAGCTVVLKPSEVTPLVAYSIAEALD
ESGSFPEGVFNMVVGGGPECGEVLRHPDNLVSFTGSKAGQILVRAAAESGMTMKPVRT
ELGKSAALLLEDADLESVVPVSVKHVTVNTGQSCNALSRLVPRAHYEAVLGIAEATME
SEIVGPGTDPETTVGPLASRAQYDRVVSYIETGISEGARLVTGGVPSNNKYEGGGYFVAP
TLFADVTNDMTIAREEIEFGPVLVPIPYDDESEAVRLANETPYGLNNAVASSDVKRALGVA
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EHI

>comp14811_c0_seq1; 339 390 1373 LEN=1639; translated
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RDYSTTSSDEASTELWEMPLSPSERCGSGSNDPTGEEQKCGEPSVPMGLGHRLCQATIVTT
IDDRSEPDTDVAEGRQDQSSPAIPPSLPPTAVDVVSAAGTPSPHRDQRDPNQYRQKRQR
LLERQRSENDALRAECEALERTILQMRNKGNNLRMRTSLRLNFKDEIERATSAKQALEE
ECRGLQDQIRRVREVEKAGQEKIRQAEEDLRERRRRLREERERKLEQQRRYSGASVATS
SSSSSSSSSTRSSNHRHRQFHGGDFG

>comp14812_c1_seq1; 299 1494 2280 LEN=2959; minus strand; translated
MSFCIQSLNMLQLLLVLVLLVDVSYSSHTWGGKSSSASSKKSVSFHPPLAADLKKNTDFAV
IEGMQTCLLIDTYITNPKDRELLFSAHTRVPSVEKKAKWAQRYIGSDASFAERLVAFAAV
EGIFFSGAFCSIYWLKKRGLMPGLTFSNELISRDEGLHCSFACQLYSKLERLSEKDIHQ
LIGEAVEVEKEFVCDALPVSLIGMNKSLMAQYIEFVADRLLGDLGYRPMFGSKNPFDFCE
FPSFPRSEVLFVVLVLFVAVFL

>comp14812_c1_seq2; 299 1632 2418 LEN=3097; minus strand; translated
MSFCIQSLNMLQLLLVLVLLVDVSYSSHTWGGKSSSASSKKSVSFHPPLAADLKKNTDFAV
IEGMQTCLLIDTYITNPKDRELLFSAHTRVPSVEKKAKWAQRYIGSDASFAERLVAFAAV
EGIFFSGAFCSIYWLKKRGLMPGLTFSNELISRDEGLHCSFACQLYSKLERLSEKDIHQ
LIGEAVEVEKEFVCDALPVSLIGMNKSLMAQYIEFVADRLLGDLGYRPMFGSKNPFDFCE
FPSFPRSEVLFVVLVLFVAVFL

>comp14812_c1_seq3; 485 1468 2814 LEN=3493; minus strand; translated
MSFCIQSLNMLQLLLVLVLLVDVSYSSHTWGGKSSSASSKKSVSFHPSSRSRLEEKYGFRR
DRRNANSFKLHNVLNIRGGDTNNNNDIQPLRGGSLKTEKGQISENISLKNKKVHNIAL
NAAAAEAASTWSRKSMSYADGFVEPICRQDDDGTRFSLFPIEHPDLWSMYKQHVASF
DEIDLSADLTDWQENLTKNEKHFISMVLAFFAGADGIVVENLAERFCRDVTVPPEARCFY
FQMAMESIHQETYCLLIDTYITNPKDRELLFSAHTRVPSVEKKAKWAQRYIGSDASFAER
LVAFAAVEGIFFGAFCSIYWLKKRGLMPGLTFSNELISRDEGLHCSFACQLYSKLERL
SEKDIHQ LIGEAVEVEKEFVCDALPVSLIGMNKSLMAQYIEFVADRLLGDLGYRPMFGSK
NPFDFCEFFPSFPRSEVLFVVLVLFVAVFL

>comp14812_c1_seq4; 485 1494 2840 LEN=3519; minus strand; translated
MSFCIQSLNMLQLLLVLVLLVDVSYSSHTWGGKSSSASSKKSVSFHPSSRSRLEEKYGFRR
DRRNANSFKLHNVLNIRGGDTNNNNDIQPLRGGSLKTEKGQISENISLKNKKVHNIAL
NAAAAEAASTWSRKSMSYADGFVEPICRQDDDGTRFSLFPIEHPDLWSMYKQHVASF
DEIDLSADLTDWQENLTKNEKHFISMVLAFFAGADGIVVENLAERFCRDVTVPPEARCFY
FQMAMESIHQETYCLLIDTYITNPKDRELLFSAHTRVPSVEKKAKWAQRYIGSDASFAER
LVAFAAVEGIFFGAFCSIYWLKKRGLMPGLTFSNELISRDEGLHCSFACQLYSKLERL
SEKDIHQ LIGEAVEVEKEFVCDALPVSLIGMNKSLMAQYIEFVADRLLGDLGYRPMFGSK
NPFDFCEFFPSFPRSEVLFVVLVLFVAVFL

>comp14812_c1_seq5; 299 1468 2254 LEN=2933; minus strand; translated
MSFCIQSLNMLQLLLVLVLLVDVSYSSHTWGGKSSSASSKKSVSFHPPLAADLKKNTDFAV
IEGMQTCCLLIDTYITNPKDRELLFSAHTRVPSVEKKAKWAQRYIGSDASFAERLVAFAAV
EGIFFSGAFCSIYWLKKRGLMPGLTFSNELISRDEGLHCSFACQLYSKLERLSEKDIHQ
LIGEAVEVEKEFVCDALPVSLIGMNKSLMAQYIEFVADRLLGDLGYRPMFGSKNPFDFCE
FPSFPRSEVLFVVLVLFVAVFL

>comp14812_c1_seq6; 485 1632 2978 LEN=3657; minus strand; translated
MSFCIQSLNMLQLLLVLVLLVDVSYSSHTWGGKSSSASSKKSVSFHPSSRSRLEEKYGFRR
DRRNANSFKLHNVLNIRGGDTNNNNDIQPLRGGSLKTEKGQISENISLKNKKVHNIAL

NAAAAEAASTWSRKSMSYADGFVEPICRQDDDGTRFSLFPIEHPDLWSMYKQHVASFMTA
DEIDLADLTDWQENLTKNEKHFISMVLAFFAGADGIVVENLAERFCRDVTVPEARCFYG
FQMAMESIHQETYCLLIDTYITNPKDRELLFSAHTRVPSVEKKAKWAQRYIGSDASFAER
LVAFAAVEGIFFFSGAFCSIYWLKKRGLMPGLTFSNELISRDEGLHCSFACQLYSKLERRL
SEKDIHQILIGEAVEVEKEFVCDALPVSLIGMNKSLMAQYIEFVADRLLGDLGYRPFMGSK
NPFDCFEFFPSFPRSEVLFVLLVFAVFL

>comp14813_c0_seq1; 534 1 2693 LEN=2796; translated
XLVETTSAQVTAFTVDLERCGASIRGEWEELGEFDNLFVTLTDASKMNGAQAPLMKDYH
LQHGAKMWDTDKEKRVPEEDGFSFPRKRFVGVVIRGCMVMQVRDEHGTILSDPGVSI
PKDKGSTKKIFRVAMDTQCQYSSDKLGGASDLYKSFNLVRRRHGRENNFKSILETIRGLTEG
AGSISRVLPKWLQSILLGAGDPKSASYNNDNMKSYALHTVGVNKPDTYLDGDFDQKH
LRASFPEQKIKLDGNELTGDGDSIDGRPRS NFKIRFSQDLENGSEKQLVEAVSLPFPKDI
SGNPVPFPTPAQVEAVRSGLSPLGLTLVVGPPGTGKTVDVAVQIIASLYHSFPTQRTV
IITHSNAALNDIFTKVMARGDIDERYLVRLGAGERDLDTNSDHDFTKIGRVAYSIQRRGK
LLEKVCQCLSESLGISGKAQRGADGSSSYTCESADYFRKLHIERKKLDFESNARKAGLSS
DGDVTEIFPFTSYFQTKGVTLTQAREHFGAIDGIFSELAEYRPFEMLSRQRQRSDYL
INKQARVAMTCTHAALARSNLIKLGF EYDNIVMEESGQMLEIETFIPMLLQKSSDES
VSGRSRLKRVCM LGDHNQLPPVVKNASFSKYSNLDQSMFTRLIKLGVPIQLDKQGRAR
PELKNLYGWRYNLDGNLSHVVESEFQRANPGFLHTFQAINVEDFQKGESTPSAYFYQNL
GAEYVVALFQYMLIGYPPEKISILTTYNGQRGLINDIVSQRCGPGTLAGIRPKAVSTV
DQYQGQONDFILLSLVRTKTVGHRLDVRRLVVALSRARLGLYV FYRQSVFARCHELKK
SICQFEENKGNKLCVMGETYPCERKTDDIEDKQRIYEVDVSVLGLTLVHNMQEDMMAD
GGEATN

>comp14813_c0_seq2; 337 1 1376 LEN=1376; translated
FVSHHFAEGAYANESFFFESVSHSNDDLAAIEKFLSTILYKTEQSDFDLQTQIVHFLDVA
LCRSGNRDDELQFQIGILLHVSGIHLWHWMPDRQRELELKK SAGLRKFAGSTKGDNKI
WIVNNLRTILNLLEGNSKFGALVKFKADETIDLPEDSVDIPPGVWFLHRSLELLIDLL
SMASRRFFLVAYLNSIDFSVRCRLAVGNEFAVPENLRLVQYLLTKINSLLAFFPIQDS
NHRSLKIDVLSMHARATTLQKMAHRHYPQELQQVIYAGVGLLCGQGSINVSYLERFFV
GFSKLNLAHLLYRMRLIPESDESQSRETMLQILSYLLSIPPYPTDQLKLYPLYPTEEV
LWDL SIIPASSQLRPTQVLALPKLNAQYLSFQDYLRNFELVRLESAYDIRSDLVDAI
RRVRPVL RQSSLEEDETITLKTEFNGWSRMALELVEPMNIEVRPPKLV

>comp14813_c0_seq3; 216 40 771 LEN=874; translated
MINSWRYNLDGNLSHVVESEFQRANPGFLHTFQAINVEDFQKGESTPSAYFYQNLG
EAEYVVALFQYMLIGYPPEKISILTTYNGQRGLINDIVSQRCGPGTLAGIRPKAVSTV
DQYQGQONDFILLSLVRTKTVGHRLDVRRLVVALSRARLGLYV FYRQSVFARCHELKK
SICQFEENKGNKLCVMGETYPCERKTDDIEDKQRIYEVDVSVLGLTLVHNMQEDMMAD
GGEATN

>comp14813_c0_seq4; 268 1 1917 LEN=2020; translated
XDGDSIDGRPRS NFKIRFSQDLENGSEKQLVEAVSLPFPKDISGNPVPFPTPAQVEAVR
SGLSPLGLTLVVGPPGTGKTVDVAVQIXSIPLSFLSNAENCIITHSNAALNDIFTKVM
ARGDIDERYLVRLGAGERDLDTNSDHDFTKIGRVAYSIQRRGKLEKVCQCLSESLGISG
KAQRGADGSSSYTCESADYFRKLHIERKKLDFESNARKAGLSSDGDVTEIFPFTSYFQ
TKGVTLTQAREHFGAIDGIFSELAEYRPFEMLSRQRQRSDYLINKQARVAMTCTHAAL
ARSNLIKLGF EYDNIVMEESGQMLEIETFIPMLLQKSSDES VSGRSRLKRVCM LGD
HNQLPPVVKNASFSKYSNLDQSMFTRLIKLGVPIQLDKQGRARPELKNLYGWRYNLDGN
LSHVVESEFQRANPGFLHTFQAINVEDFQKGESTPSAYFYQNLGAEYVVALFQYMLIG
YPPEKISILTTYNGQRGLINDIVSQRCGPGTLAGIRPKAVSTVDQYQGQONDFILLSL
VRTKTVGHRLDVRRLVVALSRARLGLYV FYRQSVFARCHELKK SICQFEENKGNKLC
VMGETYPCERKTDDIEDKQRIYEVDVSVLGLTLVHNMQEDMMADGGEATN

>comp14813_c0_seq5; 476 101 1761 LEN=1761; translated
MPVRRRPRPSKSVEDERAPKKVALEPNAVF DKS DKHGAIDLHDLYKRCVLES DKIRRL
KNIQRHEEQGALEDI IWPFLKQNFDSKDYFHACHLLVLFVSHHFAEGAYANESFFFES
VSHSNDDLAAIEKFLSTILYKTEQSDFDLQTQIVHFLDVALCRSGNRDDELQFQIGILL
HVSGIHLWHWMPDRQRELELKK SAGLRKFAGSTKGDNKI WIVNNLRTILNLLEGNSK
FGALVKFKADETIDLPEDSVDIPPGVWFLHRSLELLIDLLSMASRRFFLVAYLNSIDF
SVRCRLAVGNEFAVPENLRLVQYLLTKINSLLAFFPIQDSNHRSLKIDVLSMHARATTL
QKMAHRHYPQELQQVIYAGVGLLCGQGSINVSYLERFFVGFSDKNLAHLLYRMRLIP
ESDESQSRETMLQILSYLLSIPPYPTDQLKLYPLYPTEEV LWDL SIIPASSQLRPTQ
VLALPKLNAQYLSFQDYLRNFELVRLESAYDIRSDLVDAI RRVRPVL RQSSLEEDET
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>comp14813_c0_seq6; 312 1 1953 LEN=2056; translated
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TPAQVEAVRSGLSPLTLVVGPPGTGKTDVAVQIIASLYHSFPTQRTVITHTSNAALNDI
FTKVMARGDIDERYLVRLGAGERDLDTNSDHDFTKIGRVAYSIQRRGKLLLEKVQCLSESL
GISGKAQRGADGSSSYTCEASADYFRKLHIERKKLDFESNARKAGLSSDGDVVTEIFPPTS
YFQTKGVTLTQAREHFGAIDGIFSELAEYRPFEMLR SQRSYLINKQARVVAMTCTHA
ALARSNLIKLGFYDNIVMEESGQMLEIETFIPLMLLQKGSDES SVGRSRLKRVCM LGDH
NQLPPVKNASFSKYSNLDQSMFTRLIKLGVPIYIQLDKQGRARPELKNLYGWRYNDLGNL
SHVVESEFQRANPGFLHTFQA INVEDFQKGESTPSAYFYQNLGEAEYVVALFQYMLLI
GYPPEKISILTTYNGQRGLINDIVSQRCPGTPLAGIRPKAVSTVDQYQGGQNDFILLSL
VRTKTVGHRLDVRRLVVALSRARLGLYVYRQSVFARCHELKK SICQFEENKGNKLC LV
MGETYPCERKTTDDIEDKQRIYEVDDVSVLGTLVHNMQEDMMADGGEATN

>comp14814_c0_seq1; 477 355 2143 LEN=2336; translated
MHIWMGTFSEKGEQKPTSTTHTHNDADQFIAIDGNKTI FNSSLHEPPSSTTSTIASTNK
RHRVQVQPLNLI PNQELVVNDYF SASWLLPKERFYELDWNILTC EGASFLAIREKGDDKP
SEHAKMLVDWTEFNVEHMSKWWGMLGLLYNNNNLGKDDSQKRTKWRWLNRLIQKNR SKNN
GESTKRIFSHVISMMDDFTRRSLLOPHYRSTELERAIAMIAFMPVNERRLSTLSAEESAL
YRPRSKIIITHSLAATIASIFAAGFGRVVVGLGESDHHYTQGA VQVLNSILLSNETNGR
SQTVVLVDEHGSNNNSIATIGHPSSSLPGHEYTKGDLDRPMEIAHV RVTPNPMYVSRYVQ
QNLPRAAVAGMHVAMFGETNTTSDNERIQWL GSGARYHKWQRQGT LVLELYLSDKPD TI
LNLNLDLLPSIRHTLDKGISLFPRIHPIPHENNLPPNELNPGLYLPNAPPFEVTELDP
LGSSANGDHIACCDAGWWPGIKCSSRDY LKQNC SKEEIKNAAPNNRCGQWWE CGLKVIK
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>comp14815_c0_seq1; 994 1 1748 LEN=1748; translated
AILESGMDVGIVNAHEL LDYNLMESDMRELCENLVFNKTPDATEEMLERTAYERSVIEAR
KKKLP IPRKPRGKIKNI PRKRFEWDTDEKTPQKEPPTPVSDAARNHVPSHYDYTKLTHEK
IIAERAKSTLDGDVNIDYSQDPTLYPEGFPYFVRGRDSLRTYVTKLFTTKIAMYDGAMGT
MIQNYAKKNKLDEAEFRGEKFKDWGVNVKGNNDMLGITQPKVIKDIY MAYLEEGESDFIG
TNTFSGTTIAMADYEMENYIYELNYENARLAREACDEVTAKDPSQPRFVIGAI GPTNRTG
SISPSVEDPSARNVTFDELVDAYFEQCVGLVDGGCDILMVETIFDTLNAKAAVYAVGEYL
EMSGLDIPLFISGTLVDQSGRTLSGQTGEAFYASLRH SKPMCIGFNCALGATHMVPFVER
LHKIAECFLQVYSNAGLPNAMGGYDDTPEDMANSNEVFFKNGWLN MVGGCCGSTPPHIKA
IKECAANYPPRKL PDLGRPKMWLSGLEDLVDDVHNLGLPFLNVGERCNIAGSMKFKKL
MMAGNYAAAMDI AKKQVEDGAHVVDINVDGMLDGLATMLLRX

>comp14815_c0_seq2; 324 1004 1915 LEN=1934; minus strand; translated
MKSLSQNHIPRSLTSLRARQPNDFSCNQNKHHRQQLQIQQNPGLVNTSNISSGSSNNLIQ
SNSIQNQFTALSNQKEAFVSENNLAKKELQIQI KEHQSVNMEHDHLIELGRQAKERLGQG
MEKLGILKEQEARILQLTKNEFRAIHDCTNHSNLLDRIKQETSEKYSGEMDPLNFELATL
LEGR LQNETKRCLSLRSIEAIVLPEIDKASKEQNR PQLLSEKENIYHSIGRLQEATAQRK
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CGE

>comp14815_c0_seq3; 360 646 1776 LEN=2553; translated
MEASFRNRLNVHGASSNNYNATPLSPGGSTISKND DAKGVATKRELPTNSVGMHPFASPF
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SSNSSSIGLPTKYPGSASHDRDNSLESIVMEELQDFDDIFGKCTISGEASSSVKCSKNR
CGDNAITNNVSPSRIQTGHQNYDDDDLYTLSQSPRAVYDSPCREESLLHRSRNHGDGNA
CSNIASDDEYDHKNATTCEFLSRIQIEHQKNEEADDLELPSHQSFPTSRATDRRPSSGS
IGYEF SASSPYPSVESLVKSKSTNHSNSSPNHRHQRSSSSSGLLSASSTSTKSHRRSSN
FAMGSSQFLDSVLKDL

>comp14815_c0_seq4; 342 646 1809 LEN=2586; translated
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SSNSSSIGLPTKYPGSASHDRDNSLESIVMEELQDFDDIFGKCTISGEASSSVKCSKNR
CGDNAITNNVSPSRIQTGHQNYDDDDLYTLSQSPRAVYDSPCREESLLHRSRNHGDGNA
CSNIASDDEYDHKNATTCEFLSRIQIEHQKNEEADDLCTLSRSRTEAGELPSHQSFPTSR
ATTDRRPSSGSIGYEF SASSPYPSVESLVKSKSTNHSNSSPNHRHQRSSSSSGLLSASST
SSTKSHRRSSNFAMGSSQFLDSVLKDL

>comp14815_c0_seq5; 342 540 1703 LEN=2480; translated
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SSNSSSIGLPTKYPGSASHDRDNSLESIVMEELQDFDDIFGKCTISGEASSSVKCSKNR
CGDNAITNNVSPSRIQTGHQNYDDDDDLTYLTSQSPRAYDSPCREESLLHRSRNHGDGNA
CSNIASDDEYDHKNATTCEFLSRIQIEHQKNEEADDLCTLSRSRTEAGELPSHQSFPTSR
ATTDRRPSSGSIGYEFSSASSPYPSVESLVKSKSTNHSNSSPNHRHQRSSSSSSGLLSASST
SSTKSHRRSSNFAMGSSQFLDSVLKDL

>comp14815_c0_seq6; 360 540 1670 LEN=2447; translated
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SSNSSSIGLPTKYPGSASHDRDNSLESIVMEELQDFDDIFGKCTISGEASSSVKCSKNR
CGDNAITNNVSPSRIQTGHQNYDDDDDLTYLTSQSPRAYDSPCREESLLHRSRNHGDGNA
CSNIASDDEYDHKNATTCEFLSRIQIEHQKNEEADDLELPSHQSFPTSRATTDRRPSSGS
IGYEFSSASSPYPSVESLVKSKSTNHSNSSPNHRHQRSSSSSSGLLSASSTSSTKSHRRSSN
FAMGSSQFLDSVLKDL

>comp14815_c0_seq7; 908 211 1751 LEN=1751; translated
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KLDEAEFRGEKFKDWGVNVKGNNDMLGITQPKVIKDIYMAYLEEGESDFIGTNTFSGTTI
AMADYEMENYIYELNYENARLAREACDEVTAKDPSQPRFVIGAIGPTNRTGSISPSVEDP
SARNVTFDELVDAYFEQCVGLVDGGCDILMVETIFDTLNAKAAVYAVGEYLEMSGLDIPL
FISGTLVDQSGRTLSTGQTGEAFYASLRHSPMCIGFNCALGATHMVPFVERLHKIAECFL
QVYSNAGLPNAMGGYDDTPEDMANSNEVFFKNGWLNMGCCGSTPPHIKAIKECAANY
PRKLPDLGRPKMWSGLEDLVDDVHNHLGLPFLNVGERCNIAGSMKFKKLMAGNYAAA
MDIAKKQVEDGAHVVDINVDDGMLDGLATMLLRX

>comp14815_c0_seq8; 342 761 1924 LEN=2701; translated
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SSNSSSIGLPTKYPGSASHDRDNSLESIVMEELQDFDDIFGKCTISGEASSSVKCSKNR
CGDNAITNNVSPSRIQTGHQNYDDDDDLTYLTSQSPRAYDSPCREESLLHRSRNHGDGNA
CSNIASDDEYDHKNATTCEFLSRIQIEHQKNEEADDLCTLSRSRTEAGELPSHQSFPTSR
ATTDRRPSSGSIGYEFSSASSPYPSVESLVKSKSTNHSNSSPNHRHQRSSSSSSGLLSASST
SSTKSHRRSSNFAMGSSQFLDSVLKDL

>comp14815_c0_seq9; 360 761 1891 LEN=2668; translated
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SSNSSSIGLPTKYPGSASHDRDNSLESIVMEELQDFDDIFGKCTISGEASSSVKCSKNR
CGDNAITNNVSPSRIQTGHQNYDDDDDLTYLTSQSPRAYDSPCREESLLHRSRNHGDGNA
CSNIASDDEYDHKNATTCEFLSRIQIEHQKNEEADDLELPSHQSFPTSRATTDRRPSSGS
IGYEFSSASSPYPSVESLVKSKSTNHSNSSPNHRHQRSSSSSSGLLSASSTSSTKSHRRSSN
FAMGSSQFLDSVLKDL

>comp14815_c0_seq10; 1489 1 2559 LEN=4934; translated
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TGMEEHADYGVAFINATKTIKEICPYAKISGGISNLSFGFRGVTKIRESIHAVFLHHAIL
ESGMDVGI VNAHEMLMYREVDSDIRECAENLIMNLDNATEKMLDLTKREKEAIELRKKG
GGPKVVKKSQRTEAPKKRLEHSLIHGISEFVDGDVEEARQEC SKPLEVIEGPLMDGMNVV
GDLFGAGKMFLPQVIKSARVMKAVAYLLPFMDEEKRONLI AKGLDPDEVENDDSNFAG
KVLMATVKGDVHDIGKNIVAVVLGCNNYKVYDIGVMCSELILEKAKEYNVDVIGLSGLI
TPSLDEMVTVAKELFKGGFKQPLMIGGATTSKMHTAVK IAPNFFSSDHPVIHVLDASRSV
TVVSSLLGKNKAEFVEDLEEEYDEMREDYAGLEDRNFLT FDEAKAEKKVIDF DAVPPAP
TPNKLGITVIDSVNLADVVPYIDWNPFFQTWELRGRYPNRYPKIFNDKAVGEEAKKLF D
DAQDMMKQI I EDGSMWLKGVGTGLFPANRSECGEDVDVFESEEDRAAGKIAAKFCMLRQQA
EKESDDPYLSQADFIAPKGYSDHIGFFAVSCFGCDALVTKEYESENDDYSKIMAQALADR F
VEAFAEFLHREIRIDLWGYAKDEQLDES DLLKVKYDGIRPAPGYPSQPDHTEKSTMWDIV
KVKDSAGIELSDLSMMPASSVSALVFAHPQSEYFAVGQIGKDQVTSYAERKKMDLELCE
RWLSPILNYDRD

>comp14816_c0_seq1; 299 127 1158 LEN=1399; translated
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PRHIFAPFFVVLV LIVGILTAWQLMFP IHYESKNFHFDRDPDEAVGICRRSGEKYEAI AF
EAVVDAILLLSVGILVLAYKIRRTDEIISDSRRILQLFLFFTASQIIFFAIKYPVTKTT

GIEDSTKWAVLFIAWLLFNNACTLAIYFLFLPRLYYVWYERVHGRLPENVQIYGSGRVR
VTVSSGPHTSSNHDESSTIERSAMQLSAVNAATTSKRNSNED
>comp14817_c0_seq1; 197 411 1825 LEN=2099; translated
MPALVTPCLSSKKKHSRASKFASSIENETTQGDKKPTRNPLKKAYRIYTYATQLWKETEP
SERTKIANDKIAKTVRDMQHVLTSHEHETISMLSSSSSSNGCGEASKQLLESCENMLSVLE
ETKEMKKQIKKSAGSSSTEVAATTTSHGNSEAPKKEKKQRSILFGALMGAAVACWVFSGNY
IFTGLFCLVTILGQLEYRMMVMTGVFPARRISVVGATSMFLTALFAPDLHELCLPMFGA
WAMIWKL SVRRKIATIP EIAATFTTGMFYLGYVPSFWVRIRTMGSTMMEPTRLFPVTVAMR
TYLEXKFGFLVPKTLVHLPITSGAVFIFWSWISLAFSDVGAYFVGRKFGKTKLGALSPAA
GATSPNKSVEGVIGGCVVSSLFSVAGAWAQWPHFWLTGAIHGTILALLGLIGDLTASML
KRDADLKDFGNLIP EHGGMVDRVDSFVWTAPYSFLVCAIIPALKA AVKVP
>comp14818_c0_seq1; 504 1749 3252 LEN=3252; translated
MIALRWH SLLFLFSFLLATFPDRASGERSPEDFLILGNKELSM DVYGKAI EIFYESGIAAV
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KSIVSQTAFFYAMELQERDASKAVEMYQAVVLDPNLWAAWANLGSV FQDNFKNFDEALQ
AYNKAYELLTETDDATDPPAEPRF ILSQLQYRIGLCLSHDLERSCATTTDPQTPVSCKEM
AAHAFSLAVQFSDSDNSSAKHMLATVTADATMKRAENSYIKTLFDDYAQNFEHSLVEELGY
DGYARLRRGFDRSFGGRESVPVFDTVIDAGCGTGLVGEQFRNVSSH LIGVDLSEAILDEA
EKLRPKLYDERIVGDVTEI IREKKPVSLIVAADSF IYFGDLEPLFDSIQEGLGDN GYIAF
TLENVSNED EATLAETKPDWRWQLTASGRFAHRKEYIAAIGRSHGLAILHYESLDGFRHE
HGKDVRGHMFVMKKDSESKKDX
>comp14818_c0_seq2; 504 1576 3079 LEN=3079; translated
MIALRWH SLLFLFSFLLATFPDRASGERSPEDFLILGNKELSM DVYGKAI EIFYESGIAAV
EKDPDAASLVTLVSLETNLATAYSTIGGQDEQAL THYERAI SAYVSKHEVMEDKKDAIEA
KSIVSQTAFFYAMELQERDASKAVEMYQAVVLDPNLWAAWANLGSV FQDNFKNFDEALQ
AYNKAYELLTETDDATDPPAEPRF ILSQLQYRIGLCLSHDLERSCATTTDPQTPVSCKEM
AAHAFSLAVQFSDSDNSSAKHMLATVTADATMKRAENSYIKTLFDDYAQNFEHSLVEELGY
DGYARLRRGFDRSFGGRESVPVFDTVIDAGCGTGLVGEQFRNVSSH LIGVDLSEAILDEA
EKLRPKLYDERIVGDVTEI IREKKPVSLIVAADSF IYFGDLEPLFDSIQEGLGDN GYIAF
TLENVSNED EATLAETKPDWRWQLTASGRFAHRKEYIAAIGRSHGLAILHYESLDGFRHE
HGKDVRGHMFVMKKDSESKKDX
>comp14818_c0_seq3; 504 1799 3302 LEN=3302; translated
MIALRWH SLLFLFSFLLATFPDRASGERSPEDFLILGNKELSM DVYGKAI EIFYESGIAAV
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KSIVSQTAFFYAMELQERDASKAVEMYQAVVLDPNLWAAWANLGSV FQDNFKNFDEALQ
AYNKAYELLTETDDATDPPAEPRF ILSQLQYRIGLCLSHDLERSCATTTDPQTPVSCKEM
AAHAFSLAVQFSDSDNSSAKHMLATVTADATMKRAENSYIKTLFDDYAQNFEHSLVEELGY
DGYARLRRGFDRSFGGRESVPVFDTVIDAGCGTGLVGEQFRNVSSH LIGVDLSEAILDEA
EKLRPKLYDERIVGDVTEI IREKKPVSLIVAADSF IYFGDLEPLFDSIQEGLGDN GYIAF
TLENVSNED EATLAETKPDWRWQLTASGRFAHRKEYIAAIGRSHGLAILHYESLDGFRHE
HGKDVRGHMFVMKKDSESKKDX
>comp14818_c0_seq4; 209 1 740 LEN=759; translated
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EALQAYNKAYELLTETDDATDPPAEPRF ILSQLQYRIGLCLSHDLERSCATTTDPQTPVS
CKEMAAHAFSLAVQFSDSDNSSAKHMLATVTADATMKRAENSYIKTLFDDYAQNFEHSLVE
ELGYDGYARLRRGFDRSFGGRESVPVFDTVIDAGCGTGLVGEQVRIRSVVDLAGVVPFAP
CFCRNA
>comp14818_c0_seq5; 411 1799 2887 LEN=2906; translated
MIALRWH SLLFLFSFLLATFPDRASGERSPEDFLILGNKELSM DVYGKAI EIFYESGIAAV
EKDPDAASLVTLVSLETNLATAYSTIGGQDEQAL THYERAI SAYVSKHEVMEDKKDAIEA
KSIVSQTAFFYAMELQERDASKAVEMYQAVVLDPNLWAAWANLGSV FQDNFKNFDEALQ
AYNKAYELLTETDDATDPPAEPRF ILSQLQYRIGLCLSHDLERSCATTTDPQTPVSCKEM
AAHAFSLAVQFSDSDNSSAKHMLATVTADATMKRAENSYIKTLFDDYAQNFEHSLVEELGY
DGYARLRRGFDRSFGGRESVPVFDTVIDAGCGTGLVGEQVRIRSVVDLAGVVPFAPCFR
NA
>comp14818_c0_seq6; 504 1972 3475 LEN=3475; translated
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KSIVSQTAFFYAMELQERDASKAVEMYQAVVLDPNLWAAWANLGSV FQDNFKNFDEALQ
AYNKAYELLTETDDATDPPAEPRF ILSQLQYRIGLCLSHDLERSCATTTDPQTPVSCKEM

AAHAFSLAVQFSDSDNSSAKHMLATVTADATMKRAENSYIKTLFDDYAQNFEHSLVEELGY
DGYARLRRGFDRSFGGRESVPVFDTVIDAGCGTGLVGEQFRNVSSHLIGVDLSEAILDEA
EKLRPKLYDERIVGDVTEI IREKKPVSLIVAADSFYFGDLEPLFDSIQEGLGDNQYIAF
TLENVSNEDATLAETKPDWRWQLTASGRFAHRKEYIAAIGRSHGLAILHYESLDGFRHE
HGKDVRGHMFVMKKDSESKKDX

>comp14818_c0_seq7; 411 1749 2837 LEN=2856; translated
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EKDPDAASLVTLVSLETNLTATAYSTIGGQDEQALHYERAISAYVSKHEVMEDKKDAIEA
KSIVSQTAFFYAMELQERDASKAVEMYQAVVLDPNLWAAWANLGSVFDQDNFKNFDEALQ
AYNKAYELLTETDDATDPPAEPRFILSQLQYRIGLCLSHDLERSCATTTDPQTPVSCKEM
AAHAFSLAVQFSDSDNSSAKHMLATVTADATMKRAENSYIKTLFDDYAQNFEHSLVEELGY
DGYARLRRGFDRSFGGRESVPVFDTVIDAGCGTGLVGEQVIRSVVDLAGVVPFAPCFR
NA

>comp14818_c0_seq8; 411 1972 3060 LEN=3079; translated
MIALRWHSLFLFLSFLLATFPDRASGERSPEDFLILGNKELSMVDYGAIEFYESGIAAV
EKDPDAASLVTLVSLETNLTATAYSTIGGQDEQALHYERAISAYVSKHEVMEDKKDAIEA
KSIVSQTAFFYAMELQERDASKAVEMYQAVVLDPNLWAAWANLGSVFDQDNFKNFDEALQ
AYNKAYELLTETDDATDPPAEPRFILSQLQYRIGLCLSHDLERSCATTTDPQTPVSCKEM
AAHAFSLAVQFSDSDNSSAKHMLATVTADATMKRAENSYIKTLFDDYAQNFEHSLVEELGY
DGYARLRRGFDRSFGGRESVPVFDTVIDAGCGTGLVGEQVIRSVVDLAGVVPFAPCFR
NA

>comp14818_c0_seq10; 411 1576 2664 LEN=2683; translated
MIALRWHSLFLFLSFLLATFPDRASGERSPEDFLILGNKELSMVDYGAIEFYESGIAAV
EKDPDAASLVTLVSLETNLTATAYSTIGGQDEQALHYERAISAYVSKHEVMEDKKDAIEA
KSIVSQTAFFYAMELQERDASKAVEMYQAVVLDPNLWAAWANLGSVFDQDNFKNFDEALQ
AYNKAYELLTETDDATDPPAEPRFILSQLQYRIGLCLSHDLERSCATTTDPQTPVSCKEM
AAHAFSLAVQFSDSDNSSAKHMLATVTADATMKRAENSYIKTLFDDYAQNFEHSLVEELGY
DGYARLRRGFDRSFGGRESVPVFDTVIDAGCGTGLVGEQVIRSVVDLAGVVPFAPCFR
NA

>comp14818_c0_seq11; 324 1 1155 LEN=1155; translated
XQFRCVGDVDDFKANAFSYGVIPCPGTEIDLFDACFVAVLLLQLLIAGSVFDQDNFKNFD
EALQAYNKAYELLTETDDATDPPAEPRFILSQLQYRIGLCLSHDLERSCATTTDPQTPVS
CKEMAAHAFSLAVQFSDSDNSSAKHMLATVTADATMKRAENSYIKTLFDDYAQNFEHSLVE
ELGYDGYARLRRGFDRSFGGRESVPVFDTVIDAGCGTGLVGEQFRNVSSHLIGVDLSEAI
LDEAEKLRPKLYDERIVGDVTEI IREKKPVSLIVAADSFYFGDLEPLFDSIQEGLGDNQ
YIAFTLENVSNEDATLAETKPDWRWQLTASGRFAHRKEYIAAIGRSHGLAILHYESLDG
FRHEHGKDVRGHMFVMKKDSESKKDX

>comp14819_c0_seq1; 824 60 2800 LEN=2855; translated
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EDQDTRSVIAIEVLLALLSQLQEKAIKPFGILLVARVSSALHSLDAPTRMDGVKMKLVST
ACPILTASSIDQLMPPXFAEAKFSDSVVSYHITPTGHPFGNKKENIDRDHYPDMIYFSGG
RSRNAILKSGRPVHTLPRAIESVSQLSGLDQSTLSSRDGREVKYKTNLMAKLRLDILIESV
NLGDEPNLPSTNRMARSSTIELLGNINYSRIILLRSVRLLRHSFSTGNVRCLDEDDDET
DFAKFTQQIVSVLMDIFPFHDHLSENNSAAGNKPSSVDDINATIAITILDLSYEDGANST
RGVDNAKDPKAIYSYVIPRMNRLQDETYMSSDLDITCKFLRHLCIDHGYSKDLISVS
FTLQELFFSNYDAKLARSNAGRRI SLAVMDLVDLTNYSLLEDHSTSLISKSFVPPFITAMPL
YLEAWGADFVYESERILEGLATLVREVKEDYNNPMLSEFRANWHNLVVDNSNKSQSI FEMY
PWHLQKKWLGLLVLLRNPTDQTLQYLASICARSKKLTLSKKIIEAVQGVKSVPMQRFLT
FLLKSAGITRHVKVKVQFHGNSNLDSSSMNIFDKTFFETDQSLDRATARALTELGSIQVLR
MISSQLSSWQKEIKAEEGTSLSEFLSKARASYIILAYFFLVHNSRQKNQNLDDQHSIFDV
MNGEITVDSLNDISICRFIRCI VNSEEAI AFHSKLTSPIIAILSSHYGVSIVIRKISDWF
ENEELSKFEQNNVVLVVGWMMKNPLLDALKRQSSTTARMLIEDIDAISQNRALKDNELAQ
SLVPLLKAVSRLS

>comp14819_c0_seq2; 893 60 2882 LEN=2937; translated
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EDQDTRSVIAIEVLLALLSQLQEKAIKPFGILLVARVSSALHSLDAPTRMDGVKMKLVST
ACPILTASSIDQLMPPVSLADSRTRKYIDDILQSLTSLLRVSVAEAKFSDSVVSYHIT
PTGHPFGNKKENIDRDHYPDMIYFSGGRSRNAILKSGRPVHTLPRAIESVSQLSGLDQST

LSSRDGREVKYKTNLMAKLRDILIESVNLGDEPNLPSTNRMARSSTIELLGNINYSRIIL
LLRSVRLLRHSFSTGNVRCLEDEDDDETDFAKFTQQIVSVLMDIFPFHDHLDSENNSAAGNK
PSSVDDINATIAITILDLSYEDGANSTRGVDNAKDPKAIYSYVIPRMNRLQDETYMDSS
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LTNYSLEDHSTSLISKSFPVFFITAMPLYLEAWGADVFVYESERILEGLATLVREVKEDYNN
PMLSEFRANWHNLVVDNKSQSIFEMYPWHLQKKWLGLLVLLRNPTDQTLQYLASICARS
KKLTLISKKIIIEAVQGVKSVPMQRFLLFLLKSAGITRHVKKVKQFHGNSNLDSSSMNIFD
KTFEFTDQSLDRARALTELGSIQVLRMISSQLSSWQKEIKAEEGTSLSEFLSKARASYI
ILAYFFLVHNSRQKNQNLDDQHSIFDVMNGEITVDSLNDICRFIRCIVNSEEAI AFHSK
LTSPIIAILSSHYGVFSVVRKISDWFENEELSKFEQNNVVLVVGWMMKNPLLKDALKRQ
SSTTARMEIDIDAI SQNRALKDNELAQSLVPLLKAVSRLS
>comp14820_c0_seq1; 257 112 819 LEN=2290; translated
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DGTKTTSDFVNSREFRLRFLRAKLFDARKAASCLLHYLEVAKECCGKYALFRPIRLSDF
KNEMQVFRKGLVQLLPYRDHHRRI IAILISEQVEEVPEIIRVRLGKNELLSNQ
>comp14820_c0_seq2; 321 112 1650 LEN=2131; translated
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AVGRDNLRSRIRFHIGESMEIRYSLSSHGINTDLIPITWTGNIKQQFCKQWIRLRQILEDD
RYPYDLPIIDCPGLNDVIFRKGSTSIYHPGNVIFRSRMSMYEQTEPCTMDRCKTSLVTK
LIADIQKNGRVLIWYRSKNGSDSWWTELTDKDLIYTKIQHLVKELKFSETQAINRGEYH
TTINSSTSLFLQSREQDCCTNSRAPKRLRHED
>comp14821_c0_seq1; 117 1 337 LEN=479; translated
XLFRSETVALGKLSSEASVLLATEPLWAAVFASFLINEQLSLWDG VGGALIVAACVVTA
IDPVWLREKLQIDYVGADVGADVAVAII EATSDENDVIDTFIEVKTSATSE
>comp14821_c0_seq2; 324 435 1823 LEN=1965; translated
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SEEGAPESCYNLEDLNEVVCTANPNNQVQPGFTLAYLWPRTELLICSVLYGTNFP LGR
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ATVSFLGALVVIVCPALAVIVDKKKMGFADAPQTWIAAITCLIGVGVLELGGDEGLVGQV
GWGDLWSVLQAVGFGTSSFFITERMMAKEPSQALPITAMQCAMSAAFAGMWAGLDGTGFMD
GALSFGSPHGAWLLNESDAGSSFALPGLFFDANFRNVALAAFTGFVTTAGNRVGETVAL
GKLSSEASVLLATEPLWAAVFASFLINEQLSLWDG VGGALIVAACVVTAIDPVWLREKL
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>comp14821_c0_seq3; 324 545 1933 LEN=2075; translated
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MNDLSPASAATSTRMVLASLALSPFLFQLKPNLRKSAACGTF TALGYISQSIALVDTPA
ATVSFLGALVVIVCPALAVIVDKKKMGFADAPQTWIAAITCLIGVGVLELGGDEGLVGQV
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GALSFGSPHGAWLLNESDAGSSFALPGLFFDANFRNVALAAFTGFVTTAGNRVGETVAL
GKLSSEASVLLATEPLWAAVFASFLINEQLSLWDG VGGALIVAACVVTAIDPVWLREKL
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>comp14822_c0_seq1; 2473 179 9919 LEN=10406; translated
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VDKNSKRVARQHELREKIEESDKYRVQAYALKKIALKPEENEENKSTFAQRLAYKIIQN
IQIEISEVHISLRSADGAMGVVLSVKLVTTNSEGKPVYVNETEADRRNSSLSVDVTSFQ
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TKLRIADSKVCAEYSMYQLRSNLSMLSFRLTRNQVDFVRKLAKIMSPSILGPTILFPEYR
PVPVKGHAREWKKYAGRCIGRINGRRLWVEFFEAFTKRRKYIPLYKRHKHKECPWVKP
LTDDEANDLVLEQDRSISIEGLMTRNRIADGQIDKEREKRP SRDQKASDSYFSFVFGSS
QPSGTEAKQ MIDDEEPPIVLSVEEMKELEGVSVLDIFGKDMAKDWSYCDVTFVLDAMKID
LVGYDLKHVALLDMGKVTIDFETSMDGAFKTSFDLYDLEVFDRTPDSL FASVLK KIESD
TESNMSEAIHLEVTKSPIGDQSVDLKMVGFLVASKLMAQELQKFFQDSSNGSASMVKVS
NPLLRSMTGSIDIFYDASQGDSFRAPQNFEEATDDTKTKMTP EATEILSNKLIDAWKKK

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>comp14826_c0_seq1; 324 393 1865 LEN=1976; translated
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>comp14828_c0_seq2; 152 248 2551 LEN=3286; translated
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>comp14829_c0_seq1; 185 1 769 LEN=1263; translated
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>comp14829_c0_seq2; 203 1 709 LEN=1069; translated
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>comp14830_c0_seq1; 183 315 1199 LEN=1507; translated
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>comp14830_c0_seq2; 148 1052 1627 LEN=1935; translated
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>comp14831_c0_seq1; 727 184 3048 LEN=3099; translated
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>comp14832_c0_seq1; 734 1 2578 LEN=2847; translated
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>comp14834_c0_seq2; 974 1 3051 LEN=3218; translated
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>comp14835_c0_seq1; 503 464 1792 LEN=1938; translated
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>comp14839_c0_seq1; 135 457 1365 LEN=1877; translated
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>comp14840_c0_seq1; 626 1 3765 LEN=4200; translated
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>comp14841_c0_seq2; 324 169 1311 LEN=2058; translated
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>comp14842_c0_seq1; 564 211 1389 LEN=1938; translated
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>comp14843_c0_seq1; 742 87 1751 LEN=1953; translated
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>comp14844_c0_seq1; 400 1 1435 LEN=1690; translated
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>comp14844_c0_seq2; 430 1 1474 LEN=1729; translated
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>comp14844_c0_seq3; 342 1 1730 LEN=1730; translated
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>comp14844_c0_seq4; 393 1 1642 LEN=1642; translated
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>comp14844_c0_seq5; 451 1 1347 LEN=1602; translated
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>comp14844_c0_seq6; 363 1 1603 LEN=1603; translated
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>comp14844_c0_seq7; 421 1 1308 LEN=1563; translated
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>comp14844_c0_seq8; 372 1 1769 LEN=1769; translated
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>comp14845_c0_seq1; 494 580 2040 LEN=3519; translated
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>comp14845_c0_seq2; 494 707 2167 LEN=3646; translated
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>comp14846_c0_seq1; 2197 1 7038 LEN=7115; translated
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>comp14848_c0_seq1; 1223 555 3395 LEN=3439; translated
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>comp14849_c0_seq2; 473 117 1262 LEN=1761; translated
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ISRNMLRKSTEVYNLNEMSHDAAIVLIHKIVHKGVNVKKA FIDTVGNPKSYKRKLEREF
PNIDFVVESKADANYAPCSAASV VAKVMRDRMLENWKFS ESCEISHDFGSGYPSDPKCKK
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>comp14849_c0_seq3; 182 117 464 LEN=486; translated
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>comp14849_c0_seq4; 402 117 1379 LEN=1878; translated
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CVLGPMVYG CAYWSVDVDASIPKGF RDSKQMKESERDKLFEELKEHPEIGYAMRSILPSE
ISRNMLRKSTEVYNLNEMSHDAAIVLIHKIVHKGVNVKKA FIDTVGNPKSYKRKLEREF
PNIDFVVESKADANYAPCSAASV VAKVMRDRMLENWKFS ESCEISHDFGSGKSENRLKTL
FDQQAVSPYCIRRYLHPXTKFLALLDIKTGYPSDPKCKKWLATLHEPVFGYSDILRF SWA
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>comp14850_c0_seq1; 476 1 1826 LEN=1826; translated
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YFSGDEERILMVYDQWRNEYGKDFD GTRYQNFRSNYIKLMTANAAELTVAR DMGYPDPE
PLSLNEYGDYSPEEFHSMQNGQYAAPTSSDSAVP ASLNGYGSQPQTRSPYGENYYS AEEQD
RIRQIYKEWCYNNNGKNYDESRLEIFANNLRVVENYFKQTGKKAELN QYADVSP EYKEIV
TLESQNTQSQYNAPHVETMSTNRHTSPSTLYNFYDENEVERIQQAYMAWCS DYGKDDSR
LDIFAVNLF AIENYRTETGKNVNLNAYADLSPDEFNSIRSSGAEIPFDGGNSYAGTL PNN
GSEYYGELNGVSSGTNYGSGSLSEENPLATTDEGIHTMYTKWCAYYGKVP SDDGFYFKT
KYAILEKGYLETGVEFTMNEYADLPEQTETQQPGLTGV EGERMHTEDARLAE EEEERRAEA
AKLEKEQNERLELARRAE EERIQAEEQORRAEEARLKE EEEKRAEAIRLEKEQNERLEQA
RRAEEERMQ

>comp14850_c0_seq2; 1199 1 4046 LEN=4309; translated
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QKGLEKEAKRAKKRREHEERLAGEAREKARSLKSEKREHDKHAEERKEERALQKQNGES
TEDNKDIFSFSSPFQANESTNGSKEENMFSFFSAGKSDVRKNAPPANKPAMNTPPKNPP
PPNSMTQAVKVKKTEDSWINAVFGFFAGEKEEETTPGLGTITLEPAPRKSVFDLTVSPDE
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LSRLRAGRSRILEEKDRKMSRKEARKLQRELDALAAGNFTSSARNTNIPQLAKWTSTPEG
RITGFISDSAGGPYKLGSKITTSPIKGIKAKPGITVTTITGSKYRLGMIAPRDAIDSASG
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>comp14851_c0_seq1; 244 199 1179 LEN=2883; translated
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FGLARLSAIPNGPYTFEVVTLWYRAPELLGANRYSTSVDVWSIGCIFAEMATGMPLFPG
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>comp14852_c0_seq1; 186 424 660 LEN=660; translated
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>comp14852_c0_seq2; 945 424 2839 LEN=2839; translated
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EANDVETDDEYKTHEETKSESAFSGNDLTECNDTYPKDCYSFMSLHGPDNRNPIFFSYGMV
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FTAVNFISELDNVAFDLARKGKYGRLEDEAKRIETLVLPCCMSRCDKMKRFLFAVGVSG
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SEGWFSAVGTPLDLYFLQDEDHMKGMLCEAWNNGICNDELNHEKNGYRFDGGDCCSATCS
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FQCENKSVLIVDLSPMINKNEIVHVS DGATCNIELEDIFVYVNVNLTIFQGHGNMMDTKI
ARMTGYDKSSFTFFFTIPNCTVQKLSDYTTISDIHNNKDHSLDTAKWMNDDKSGNSFCHDE
FFAERFALKMLKLFKLNSTQSLQHCLWNGIECSKEGALEVMDSLKIKGIRRLPDQIGSLK
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>comp14853_c0_seq1; 177 1 1174 LEN=1387; translated
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SPDRRWVVAKAATATDAKAKEAKATATNATTNAPRGRPD RDGYRPHSLPLHHHPFP
TNGTIGRNLSPGKPHWRTGAMVGDGPKASGNLSAVVASSTGSPLCNDRSLPDGKSRNDS
QDDSKDNTGIDTDMENNNNSRQGHGILERRSDQHFPFAEAALAATGANGHRGSTHHR
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>comp14854_c0_seq1; 428 1 1498 LEN=1939; translated
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RKLGPDRLSEFKSEFCSNNGSKKLPARDTNASAAAKLGKKNILKRSAAISGHGQDERRRK
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KQ TSAATSTTNTNHSTMSRTSNQRESLLNKFRIPVSTRNKKCSNKNLEQEDSSSSDCNDI
GRLPMKPLVTTATRKSVAAKSDLQTDSSPMLSLKRIQNRQQSKVKSTSSTHYGRNDPLL
LDDSDSTEDEDEYPNKKLTMPKSVHTNTVSHQTHQKKQLEIEADDDDI SERYEFDYSAG
QGGNARRQSSTDDSNTNRES DGAKPQSQAETLANLSSDSGMDDNGSENETEDEL RVGFK
KSASGSRNHPVIESDDEDD

>comp14855_c0_seq1; 764 146 2325 LEN=2446; translated
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K I L E E A R C L K S E S E A N L M M S S S L S N N G K A D V D I S D L P G G V Q D A W A L S N I T Q P A R G N S S
T V D T P S I S L Q D K S Q K S S T I L P I G Q G Q L G K V A A V A A L S S C I Q R T S Q L S N R I F Q E Q Q R D G T
V L K S A I E T T K R K H I S S S S S S N T Q A T A A M T N L W M S V L D D R L R E I R S Y H A R H S S N E V T P N N R
N F L F M N N R I N N S N K R A R L G N P G A D G Y D L A S S L V E S L S G I K E G T S F L S E E V M G K Y L D L Q P I
Y E S Y V L P I K R I M M K E P S S S F G I V D F L A F L S K G E S G L I E G I P E N S K L K H R K K Y V R F L A A L E
N Y L E E F L K R I Q P L L S K N Q V T Q A A V N A F E E T W S K Q G G S P G W E A K P S E A V L V N R E S S T K G T
S N A P N D G A I N G S V P K I D L S S Y A T A A D L E K A L N G D L L K A E L T R L G X K M W G H G H R S S E K V I L
T K D T P L S E L P K K L F A K K K P T T T E S S N E N T G V T S T A H V N V K N E R R V D I A K R E V L V M A Y I N Q
L K P V L E A T L R R T G R R E T Q T T K E R E K E I D E D L H G S A I E E S K K K T S G E G K Y D S D D D T D D E D A
P I Y N P K G V P L G W D G K P I P Y W L F K L H G L N H F Y P C E I C G G E S Y R G R K N F E Q H F A E A R H S Y G M
K S L G I P N T K H F H G V T K I E D A Q N L W E K L K D Q L Q Q D Q F D G T K G E E Y E D S H G N V L S R A T Y E D L
A R Q G L L

>comp14855_c0_seq2; 121 1 440 LEN=561; translated
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Y R G R K N F E Q H F A E A R H S Y G M K S L G I P N T K H F H G V T K I E D A Q N L W E K L K D Q L Q Q D Q F D G T K
G E E Y E D S H G N V L S R A T Y E D L A R Q G L L

>comp14856_c0_seq1; 187 292 597 LEN=806; translated
M P L A S N S S S G L A S A R R R G K A E G G G K R K G G T D K W G K K T S K D S G P S H Y E G G R N I L F M V G G L
S Y A E L R V A R N I M E K E S R E I I A G A T K F I S P D Q F I D D L K T L V D

>comp14856_c0_seq2; 612 1 2132 LEN=2341; translated
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P A E K P T S P G A P S K N P S G A L M E M V H K R F T E D V F N T A A K A H P G W K V L I V D E P G M K V V S S A V G
M Y D I M E Q Q V S V V E S L E K K R A P F K H M G A V Y I I S P T Q D S I R R L L E D Y E D K K K V L Y G D A V F L Y
F L A P V P K I W M E D L K Q C K Q L V K R L K A M A E I N V D F L V R E Q R A F V L D M K D P F V S L F Q G N G M K A
V E L K S A Q K L V T L C A T L N E Y P Y I R Y K Q N S N I C S G I A S I F K M K M D E F V G N N P G W W Y H G S G N C
P S R N S E R D R S T L L L L D R S N D C L T P L M H D F N Y Q A M V N D L L H V E G D K I T Y K A D S K E N P K K E
E K D V L L N E K D K L W V E L R G D H V A K V I E I L T N R I S E I Q N S S T S M V A R K D K K S S N M T L A Q L A S
A L K D L P E Y Q E V T A K L Y Q H M H L A H E C M D E F K K A G L L E L S D L E Q T L A T G K D E D D R N T K L S D T
I S R C E A D L I R I R E P T D R L R L V L I A I I S Q N G L T S G D K E R L L R A A Q L G R P E L Q T L E S L R K I G
I K T M N N P G S S S N E K K G G F L G G L R N R S S I D S D A D N E Y T S S R Y T P P L K R I L K D L V A N Q L S
T Q E Y P S V I P M P L A S N S S S G L A S A R R R G K A E G G G K R K G G T D K W G K K T S K D S G P S H Y E G G R
N I L F M V G G L S Y A E L R V A R N I M E K E S R E I I A G A T K F I S P D Q F I D D L K T L V D

>comp14857_c0_seq1; 597 272 2086 LEN=2801; translated
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H S D V A S I N L D M N S N D K S Y Q G S L L E S Y F P F L Q S S Q P T A R T D Y Q S V S D L G I G D N N S S T A S K I
L K K E A N D A I T V A D L E V I L S Q M E L P L Y K N R V R D L K S N A L P V R S K S A S F S K Q T A N T K M I P D S
S H V A F P Q P S I L S E H E L Q R G T S I A G C F L G M I I G I T I L P N L W L V G M I M G S F Y G Y D L T K G I S T
E G N T R E D P N I F G K F L I S C G R K L A K A Y L Q L V D Y W K G L W F L Y K T G Q L S Y E Y K T Y E N L D K K F
A I Q S K V D A W N R I F V Q G K Q K F D A W E Q E N E V G R T V L A G L R T A W L V D E Q S R Q R A A G R S K Y R L V
Q A A Y D V N N S I S R S L R N L F L S I K S L F E E G E I K S F L K G L R T D M S Q K G S I A T R I G A V A V A I V A
V N I S G A I F S I S P A F S N I L A I V L A I I W P S W A A D L A S R A Q E V G M E I K S R G L K E Q K S L S G N S V
K V F D P V K F I R R R C K E H R S D N P K Q S T R N N K R N R K Q K F A S K A F F S P F H L I G D G G K R R P T T S A
K V G T W

>comp14858_c0_seq1; 542 106 2297 LEN=2871; translated
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G Y Y G P G D D G M E M E R E E Q R E P R P R P T M D P P T E T A F D F L G P K S I P E K P K I V V L G A T G R V G R H
V V R Q L M E M K D V D M E I V A F V R S F G K A T K V L Y E D E F M P V L A K R S S N P R G P K L T I V K G D L V P P
E E L P G F V Q E D T E E D L L W R E R A E S A S L F Y G N G I E D Y D N G L P D V N E A L E D S I R D C T T I I S C V
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A S A V A E E E G L D Q D E I H V P R I R F V R I S D L C V G N R P W D I V P V V A N A V H S L V F R Y H E M A E H L L

EESALVESVVLRLPGDLVDEERDPKTTTSVQVSCTGRVPGPALVGREDVAALAVAAATFVTO
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>comp14859_c0_seq1; 369 193 1607 LEN=1836; translated
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>comp14860_c0_seq1; 186 1 866 LEN=991; translated
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SEGNQSSEMSDDRDRDRDRSSSLTRRRSSRARFVNKALVRLYDRRAFTGGLVFSRGHFLG
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>comp14860_c0_seq2; 422 1 1505 LEN=1630; translated
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>comp14860_c0_seq3; 1168 274 4598 LEN=4723; translated
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DYRHSTISRAYSIPLEQTKLPRGGISIETEAVGRVQFGIPPETIKDSMRLGIPVPQIY
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>comp14860_c0_seq4; 1257 274 4506 LEN=4631; translated
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PPGKRGSNLSEKSQSDTVNDLSSTA AKTGGKDNKKLISQGGNGVSPCQVDEVIFPESDV
DYRHSTISRAYSIPILLEQTKLPRGGISIE TEAVGRVQFGIPPETIKDSMRLGIPVPIY
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>comp14861_c0_seq5; 275 183 1052 LEN=1220; translated
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>comp14861_c0_seq6; 633 1 1319 LEN=1453; translated
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>comp14862_c1_seq1; 268 111 947 LEN=1267; translated
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>comp14862_c1_seq3; 59 1 439 LEN=759; translated
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>comp14864_c0_seq1; 518 1 3214 LEN=3749; translated
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>comp14867_c0_seq4; 2291 1 7678 LEN=8131; translated
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>comp14867_c0_seq5; 1915 1 6361 LEN=6361; translated
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>comp14867_c1_seq1; 218 769 1483 LEN=1483; minus strand; translated

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>comp14867_c2_seq1; 1128 232 2210 LEN=2210; translated

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>comp14867_c2_seq2; 1140 232 2231 LEN=2231; translated

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>comp14868_c0_seq1; 815 257 2718 LEN=2877; translated

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>comp14869_c0_seq2; 74 1 298 LEN=769; translated
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>comp14870_c0_seq1; 1176 78 3500 LEN=3553; translated
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>comp14871_c0_seq1; 231 110 1092 LEN=1412; translated
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>comp14875_c0_seq1; 596 315 1820 LEN=1951; translated
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>comp14876_c0_seq1; 589 27 1745 LEN=2191; translated
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>comp14876_c0_seq2; 541 27 1571 LEN=2290; translated
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>comp14877_c0_seq1; 797 770 3097 LEN=3313; translated
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>comp14877_c0_seq3; 55 145 426 LEN=426; minus strand; translated
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>comp14877_c0_seq4; 497 142 1347 LEN=1563; translated
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>comp14878_c0_seq1; 449 1 1099 LEN=1099; translated
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>comp14878_c0_seq2; 561 56 1184 LEN=1184; translated
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>comp14878_c0_seq3; 1077 1 2851 LEN=3074; translated
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>comp14879_c0_seq1; 621 345 4024 LEN=4895; translated
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>comp14879_c0_seq3; 693 325 4900 LEN=5771; translated
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>comp14879_c0_seq6; 658 345 4054 LEN=4925; translated
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>comp14879_c0_seq7; 130 325 987 LEN=987; translated
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MMASAPWWSRVIFRWPYPLLKGLERPLEEIDLPEILPKDTSRYNREYLMELWDREKERC
RKNQCRGSSQPPKPSLHRAILRDFHSMWYIQPCMFLSSTAKIVQALFLGKLIES

FEVSGANTSGYIFAGVIVACGIVVLF EHRKFAKSRMVESLW
>comp14879_c0_seq8; 683 345 3911 LEN=4782; translated
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LSNRFAFLRSKIAA ITDQRVNFVSQAVQGARVMKMSGY EYRFFDRI SKGRHREVAQI IRA
TNL KALNEALFFACNIVVSLVIFLMHVGVFDGTLSPGNVYTVFTLVNILQLELTKHVS LG
VMGVSEVYVSI SRIQKFLFEPERPAGNTSKCVANLLS GEGKMDRGPKGADDLIASSTDSE
PNDQKIAISLSNVDCYWNQVKACDSRSDEKVSPTGPELDMVKPASTSSSEKEEETESAID
SGLVSALS DISL DLERGR LTCVIGTVGSGKSALLQAVVGELPAYRGSISFISEEGSYQTS
NSSRQKISYAAQDPWIMDGTVRENITMGLSFRQEWYDKVVDACGLRMDFSLFRDGDSTIV
GDRGVQCSGGQRARIGLARAIYRDAEVLVADDPLSAVDAKVGRQIFQEALLGLCVNQGIC
VLLATHQH QYVHNYRCVLMVDGRIGCRGSYAECLDAAGGKLSIHEAADIDDT SINKSQLG
EDDAEQMRTPIRDARES VVKTSNDEIGNIEVEVEKSAGNTAAKEESKEGTNRGVVEFET
YKNYIYAMGGWPVAAFLLF TFC TTQGV ALWTIITMGLWAE LPPQEQRSWNIVGLIIGQVC
MAILLSTFRAFLSFFMTIKASKNLHDDMAKAVLRAKISFFDTNPTGRILNRF SADVTND
DLLPQTLFDFSVIFFMVIGAVFTTLITLFPVLLVMPPLIYYFIVMRRIFVTSSRELKRLE
GVARSPIFAMNESLSGIGTIRANEAGDYFTKKFEEVHDSHTRAFFSFTSLSRWVGF RMD
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VERVLGFGKLEPEAPLELES DNNDLDEFWPMEGAITVKDLAVRYRPSLPLALDGVTF SVPS
GSRIGVVRTGSGKSTIVQALFRLLEAEDGQINVDGFNIAEVGLHRIRTSISVIPQHPTL
FSGCTVRENLDV FGLHSEEEIYKALKSAHLGEVIAELPKGIDSVVTEGGSNF SVGQRQLL
CLARAILSKNKILILDEATASVDRRTDQMLHESLHESFGNATIIAVAHRLD TVIDYDI L
VLGKGKVL EFGSPADLLRKNGGAFHTMVEDTGEITSNELRERAFVNER

>comp14879_c0_seq9; 677 325 4757 LEN=5628; translated
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RKKNQ CRTSGSSQPP LKPSLHRAILRDF FHSMWYIQPCMF LSSTAKIVQALFLGK LIES
FEVSGANTSGYIFAGVIVACGIVVLF EHHHIFVTVWRKGMQLRVSCVGA IYGKCLKLSST
HQETNANSGRIMNLASNDVERFLLASLFI SYLIWSPLQAI AILVVGWFMGPAFAVGFCL
LIFGFVFPQFYLSNRFAFLRSKIAA ITDQRVNFVSQAVQGARVMKMSGY EYRFFDRI SKG
RHREVAQI IRATNLKALNEALFFACNIVVSLVIFLMHVGVFDGTLSPGNVYTVFTLVNIL
QLELTKHVS LGVMGVSEVYVSI SRIQKFLFEPERPAGNTSKCVANLLS GEGKMDRGPKG A
DDL IASSTDSE PNDQKIAISLSNVDCYWNQVKACDSRSDEKVSPTGPELDMVKPASTSSS
EKEEETESAIDSGLVSALS DISL DLERGR LTCVIGTVGSGKSALLQAVVGELPAYRGSIS
FISEEGSYQTSNSSRQKISYAAQDPWIMDGTVRENITMGLSFRQEWYDKVVDACGLRMDF
SLFRDGDSTIVGDRGVQCSGGQRARIGLARAIYRDAEVLVADDPLSAVDAKVGRQIFQE A
LLGLCVNQGICVLLATHQH QYVHNYRCVLMVDGRIGCRGSYAECLDAAGGKLSIHEAADI
DDTSINKSQLGEDDAEQMRTPIRDARES VVKTSNDEIGNIEVEVEKSAGNTAAKEESKE
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NIVGLIIGQVCMAILLSTFRAFLSFFMTIKASKNLHDDMAKAVLRAKISFFDTNPTGRIL
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HYQYVSFKSSRMKMLVRFVSNCRNISHFMIHFQWQDFTEAMGWFS DGCACILADVFCML
FLSIFPNQGWFTVDPAILGLSISMLLQLCSAFQWCIRQSAE VVNQMVGVERVLGFGKLEP
EAPLELES DNNDLDEFWPMEGAITVKDLAVRYRPSLPLALDGVTF SVPSGSRIGVVGR TGS
GKSTIVQALFRLLEAEDGQINVDGFNIAEVGLHRIRTSISVIPQHPTL FSGCTVRENLDV
FGLHSEEEIYKALKSAHLGEVIAELPKGIDSVVTEGGSNF SVGQRQLLCLARAILSKNKI
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>comp14880_c0_seq1; 538 128 2116 LEN=2620; translated
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NRSDETEVEYESLIVEKLITHPRYFRNRFLDADPHDFAIVKLF GQSKKVTPIRINQNPQVP
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TLCASNFE EQMDS CRGDSGSLV VQGRALKDDVLVGI VSAGFGCANPTLPALYARVSEVH
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TQIMPVSVVISFDENPENIGFQLQRLINGTNATKEENS IYEP IHNVPYPGTFSSDLKGSN
VTLKVPLQPKGKEKEIYRFVMTSNEGRGFASGGYEVWLGDPLDGDLLF IGDKFYLEDANT
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TA

>comp14880_c0_seq2; 514 128 2228 LEN=2732; translated
MPVTSRVARSWMLQLQFMVFLYFCTAAFFWRASVQFSFADGKSI SGMFSNTST SPEYIDP
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LRHFLLNDFLKLADAPDIILTAAHCSESVNEAQLGRHNRSDETEVYESLIVEKLITHPRY
FRNRFLDADPHDFAI VKLFGQSKVTP I RINQNPQVPVPDQKMLVFGWGSFDPDDLTKQS
DVLRGATAYMTNEKCKTFVGSYGFHQVDFQRYVINATL CASNFEEQMDSCRGDSGSGLV
VQGRALKDDVLVGVIVSAGFGCANPTLPALYARVSEVHG WIRDRVCELSVSPPLYFECPTF
PFLSMCQNFPIGRDVTPCIEILEPQTRITLFLDSRPKETGWILRRSTEGGQWVTEVER
PILSYENIHSESLFSETLSVTDDRDKLVLLDSYGDINATVKITDEYGNELLSVKESTIN
GGAKYSVSFPFTVGVPPSSAPT ISSPPSVTTAPTLOPTQIMPFVSVVISFDENPENIGFQ
LQRLINGTNATKEENSIYEP IHNVYPGTFSSDLKGSNVT LKVPLQPKGKEKEIYRFVMTS
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>comp14881_c0_seq1; 918 87 3575 LEN=3671; translated
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RNSGVFSSVPPDNKSDDTASAPQTPVQRNPSVFPFDIRECNFALAAFGDRGDLRLALRLY
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KQVDFFSYASYSTTAAATGTGSVASIKATDLQNLIVPDVKATNILMNTYAKMGDLEAAED
LMLQMQRTPVLQQENEITGNVGVNGIDNDNPKTKSSPTTSSLQQVVFVGGGMDVPFLKPNL
VTYNTLLDACQKSGELEKALYKGVLEHESKKMGRGSGRTNITYRTGQTL SIRLQPDVRT
YTSLIGTVARKSRPLLSSAAETSNSNNSSTNHNSQFYGTHDPSLAFSLLNEMKTKHRI
APSPLTYSALIDVCGRCRRSDLALKALRLMLRDEQMRKMRRLAEKNNTNSNKNRPGPG
AAAPEVSMDDQQTVGAWTAAINACGKTGRIDTALKIFFVSMRPFKVQPNVITCSCLLDSLL
KQGKTAESLDVLRVMKSHNLQPSYIYTSLMTYASRLAGLEQQKGMRRNQNYFPREEQQD
TTYNPRSTANTGTSEDESDNTNRWPSSLDSVQENENAI EEKVRDAFDDKQNGEEDDTKA
VDIYSELMSTLIATTKTSQQSSSIPKFPDVSVAASNELYQVSMVFREMKASGVVDPDLS
YHTLLRSCANAGDIDRAQEILKEIQDSAVDLQPNDRTWRAVLRAAGKAKRSDLVLKTNWS
AVADMENSENDEVEVGAPATSKSSSSSTSTAWKKKRRKANKLSIHTFRTLLTALLVCAW
SLRESHDYTSVELYKIVIKCYNTLRSTAASNPTKSCSGQSVIASSKLTTSYMGLHLLDS
NAAMENPQIMASILQAVVNLESLEKDDDEWKGLKRLGVSLARTSCLRESLQPSSDNQQT
KSVTPPLSYFDKKALRIAITWS

>comp14882_c0_seq1; 493 1 2004 LEN=2203; translated
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HPGTLLPDQRDNDPSAPRRLSAGSKHSATGRSFAETKIDRFPAAGGGA AKPPGKESSDSV
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GEKTVVFSQSLKTLDFLSELLASKDWHKLCPSLDKSF PWRKRGGWIKGRDFLRIDGATPG
DERTELLRDFVDFKCFKFLFLISL TAGGIGINLV SANRVILFDSHFNP SIDIQAIYRCYRY
GQQRNVFAYRFLTQGSMEEKVYSRAVSKIGLGNRVIDGKELRRCFRKDEIDSLGKEDDWV
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VKISLPSNPGATATEASSKISAAQSDELVEKDEILK KILSIPTRSKKAALIVSKHYFHEA
LVSDFDPSKTTATNTAATIATAEGARDPKEDTEVSSTLEGNSMKGSDEEKESATLKQNR
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SDELYF

>comp14883_c0_seq1; 636 177 2105 LEN=2332; translated
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KTIVTIRSTRIDVGTGRSMLVKQNAQVVRNPSSAEGTWDAPKLD SFDDNSRRNLGLREK
SLILDDGSLGMSDITEDTFFFSGSKMDHLASKRSPMFAKNPTTYRI EEEIEEEEEKRENNSE
KKGINSASDVVIERAYDFRKL SPLNDNMECGRYDLRATIHNPIDAEREFSL LFIDDRPR
RRSFSDSRIDFRRGDI STENSVMNLFPLSPSSNLSNEEQFESLLDQLKLS SHDRSFTD
SYETPEFFEEAPEVETGSTHSIHRTTIDSWPFRTRSYSSGPRLQQTRKSD ELAEFLPN
RSSHSMFAKDEEKYFPDVKSSRYSVSTRIP SQHEISHQASLPKRSSHSMFEREDKHFPDV
RRRSTTKKSLQKEPIEILWNPQTPSLLDLNETPNSNEVPFESFGFDRSGIESQPQRTASA
PIIGQRNATAKDNMPLQEP LVRNPPSKIVNAASLTVAALRPAPTQSLPALPTQKESDQY
YWGNIHEDDLCS EDNHRKNGESDSEELKDLCWSSES YDDIL

>comp14883_c0_seq2; 672 177 2216 LEN=2443; translated
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KTIVTIRSTRIDVGTGRSMLVKQNAQVVRNPSSAEGTWDAPKLDSDSNNRRNLGLREK
SLILLDDGSLGGMSDITEDTFFFSGKMDHLASKRSPMFAKNPTTYRIEEIEEEEKRENNSE
KKGINSASDVVIERAYDFRKLSPLNNDMECGRGYDLRATIHNPIDAEREFSLLFIDDRPR
RRSFSDSRIDFRRGDI STENSVMNLFPLSPSSNLSNEEQFESLLDQLKLSHSDRSFTD
SYETPEFFEEAPEVETGSTHSIHRTTIDSWFPFRTRSYSSGPRLQQTRKSDLAEFPLPN
RSSHSMFAKDEEKYFPDVKSSRYSVSTRIPSQHEISHQASLPKRSSHSMFEREDKHFDPV
RRRSTTKKSLQKEPIEILWNPQTPSLLDLNETPNSNEVPFESFGFDRSGIESQPQRTASA
PIIGQRNATGTSTKTIGDETIHPRLQTNVSLATLSDSNNGSAGTFLAKDNGMPLQEPVLR
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>comp14884_c0_seq1; 469 1 1513 LEN=1555; translated
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EAEWSTYPIYLKATGGLRTPQLPERLRMLDCVRKLFHNTTFNPF AFEDERARVISGEEEA
IYGWVG VNF AKGLLIENSMGTGTGKDPRRTYGMLEMGGASTQVAVFENNGDLMANLFLKLO
LGGARHWNVYVHSYLYFGINGAWSRLNAWLHGENKTTNPCLPLGKEVVFDSWIHVGPRGH
FYPRSDDPKSVPYSVTMVHEAPPSSGGSEPYDAEANFQDCSNRTFALLRKGTNSEWCDFQM
DGNCGFAGIYQPPMPQTNSENDEFIATSNFYDVVFQFLQLGETANVSQIGKAARDVCMMDW
PALVDYNEANEMFTVKTDHELAQFCFRSLFVYHLIRNGWEFGDDYRMTAVDVIDGHKLGW
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>comp14884_c0_seq3; 604 1 1822 LEN=2111; translated
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EAEWSTYPIYLKATGGLRTPQLPERLRMLDCVRKLFHNTTFNPF AFEDERARVISGEEEA
IYGWVG VNF AKGLLIENSMGTGTGKDPRRTYGMLEMGGASTQVAVFENNGDLMANLFLKLO
LGGARHWNVYVHSYLYFGINGAWSRLNAWLHGENKTTNPCLPLGKEVVFDSWIHVGPRGH
FYPRSDDPKSVPYSVTMVHEAPPSSGGSEPYDAEANFQDCSNRTFALLRKGTNSEWCDFQM
DGNCGFAGIYQPPMPQTNSENDEFIATSNFYDVVFQFLQLGETANVSQIGKAARDVCMMDW
PALVDYNEANEMFTVKTDHELAQFCFRSLFVYHLIRNGWEFGDDYRMTAVDVIDGHKLGW
ALGCMLEYEINTLPWDFHPELLYKGTSKILVALYVVLGTLGGSIVGLMIAMRLNKRINEAV
RKSVIFQNHPEFANNPLVRKSLALPKMDLDELESLYNDGDEDQDQDDRQEDQTAALNRSK
TPGYSAT

>comp14885_c0_seq1; 380 917 2392 LEN=3143; translated
MTPSSSTEMYAIQLQPTTFFSTPVHIIHDLQYVQQNTFNNTNGSLHSTTSTTSKHKLPHGLT
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NNNPVEFY PQNQFAPNATQVQGPQS QLLNSGLHPVPSMLGGGAAPSSFRTRSRRTDTW
ESTSVASHNSTIHSENLSSESTSEVGSF SHSGHRNRAFTCPAVQPKPLDAMSNTTSGLY
NDRSRFSSPSPVQASPRRGP GMIGGTS LFNAAVGGNRCRAVTLSPNTDSILED RPFHYDA
FESGDRLEIPNFSGGISGATTL SAATPSQTRQRDYSPVLEQLGLDSSYLSNGTDSNSVFR
SLATSSMSPLQGITQTGSRELD SLNEFQPI TKNKSDIFSEQAIETRIAAPPPGFVTASS
PIGNTAFSIVGSLDGYSNINRSHLL SEDNVLSDFGSLLDL SGP RDDRERANTYTFGSNEF
RSMNDNQSGGH

>comp14885_c0_seq2; 349 124 1602 LEN=2353; translated
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MNNNPVEFY PQNQFAPNATQVQGPQS QLLNSGLHPVPSMLGGGAAPSSFRTRSRRTDT
WESTSVASHNSTIHSENLSSESTSEVGSF SHSGHRNRAFTCPAVQPKPLDAMSNTTSGLY
YNDRSRFS SPVQASPRRGP GMIGGTS LFNAAVGGNRCRAVTLSPNTDSILED RPFHYD
AFESGDRLEIPNFSGGISGATTL SAATPSQTRQRDYSPVLEQLGLDSSYLSNGTDSNSVFR
RSLATSSMSPLQGITQTGSRELD SLNEFQPI TKNKSDIFSEQAIETRIAAPPPGFVTASS
SPIGNTAFSIVGSLDGYSNINRSHLL SEDNVLSDFGSLLDL SGP RDDRERANTYTFGSNEF
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>comp14885_c0_seq3; 461 188 2173 LEN=2924; translated
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NLNIESQEHHLSHEQH QYHNQNQHSMNRGFS AVPVFDHTNNTLPSQDQNMTPSSTEMYA
IQLQPTTFFSTPVHIIHDLQYVQQNTFNNTNGSLHSTTSTTSKHKLPHGLT VYELKEMTKA

RLQSEAAEKSNRNEVQEICRDRVSPDFDSDGQVRDRTFSRDSLSLRMNNNPVEFYPO
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TIHSENLSSESTSEVGSFSSHSHGRNRAFTCPAVQPKPLDAMSNTTSGLYNDSRSFSSPS
PVQASPRRGPMMIGGTSLFNAAVGGNRCRAVTLSPNTDSILED RPFHYDAFESGDRLEIP
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QGITQTSRELDLNEFQPIITKNKSDIFSEQAIETRIAAPPFGFVTASSSPIGNFAFSIV
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H

>comp14886_c0_seq1; 157 1 1032 LEN=1133; translated
XGCESGGEACVHMDETTQQQQSQQQSTPKSNAKSDGNESSMFLSSASEWFYERMISIPLA
LLSDPSKRRIQKNALVSATRSSSRSSNTSVCLYLHPPLRSDIDRTLFAIVSQAQRGLVF
RSACTAWCSTLGGGYFGVRDLAKSLRSLRHLRALALRAGDVPLARQCTVHEAYNHMYAGM
FGAARALLGLEREVEASREGAARYTAGDERILGQSASARECLRRLEESAGSGLGAYRWG
EATEGNRSPSAPVVSRTVDDFQRLRIVAFEEVSRRAAQCGGSAWLGQNKAPDPVCGAGT
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>comp14886_c0_seq3; 81 311 774 LEN=774; translated
MEGTGAPSFQDGDKEDDTKAGVDRVRIHHHRRRLGTARTGGKRARRKTQTQLQAQGHRRGK
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RPGVLWRGLLPLVFSSLSAAEEEEAAATPRGTPSQR

>comp14886_c0_seq4; 153 1 846 LEN=1122; translated
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WFYERMISIPLALLSDPSKRRRIKKNALVSATRSSSRSSNTSVCLYLHPPLRSDIDRTLFA
SIVSQAQRGLVFRSACTAWCSTLGGGYFGVRDLAKSLRSLRHLRALALRAGDVPLARQCT
VHEAYNHMYAGMFGAARALLGLEREVEASREGAARYTAGDERILGQSASARECLRRLEE
SAGSGLGAYRWGEATEGNRSPSAPVVSRTVDDFQRLRIVAF

>comp14886_c0_seq5; 145 1 1069 LEN=1170; translated
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SIVSQAQRGLVFRSACTAWCSTLGGGYFGVRDLAKSLRSLRHLRALALRAGDVPLARQCT
VHEAYNHMYAGMFGAARALLGLEREVEASREGAARYTAGDERILGQSASARECLRRLEE
SAGSGLGAYRWGEATEGNRSPSAPVVSRTVDDFQRLRIVAFEEVSRRAAQCGGSAWLGQ
NKAPDPVCGAGTHR PASRAGQKRARFLVQLASKYTMFMGCEEERRMTSTEQQEFF

>comp14886_c0_seq6; 165 1 809 LEN=1085; translated
XGCESGGEACVHMDETTQQQQSQQQSTPKSNAKSDGNESSMFLSSASEWFYERMISIPLA
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RSACTAWCSTLGGGYFGVRDLAKSLRSLRHLRALALRAGDVPLARQCTVHEAYNHMYAGM
FGAARALLGLEREVEASREGAARYTAGDERILGQSASARECLRRLEESAGSGLGAYRWG
EATEGNRSPSAPVVSRTVDDFQRLRIVAF

>comp14887_c1_seq1; 187 78 767 LEN=1517; translated
MRLYSNQTKHALVLLVARTVWTGTPLPQSSALVIHQNHYNRAAPPRTAPPVGVSSRPFR
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GILAGAAEAAKASSGSDHDGDGNGHREAGSRKNP SGRRAGGKPKPPGSAKPAAEPEP
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>comp14888_c0_seq1; 858 82 1749 LEN=2337; translated
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SARRLGNKKS AVTSTRKTPHYEQASDGTGVAMNSVAPALSPYVLP TPLSTMVAQQSSAN
SGIATQSSQGAAL EESLFRYLTP TP IVSPETQVNPVARQAGANPITLPTDQPGNANTLAV
GESSPTGVNDLELYPGWTFD FNKDAPT WY SKGNDVDALFDVADSLDWFADTGD LNETYEEA
ERMNATVEAAPQASVQVTESEPSKDAAPIGGESFYVSSNNTTGMSMNNLPRIDSGAVN
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>comp14888_c0_seq4; 858 434 2101 LEN=2689; translated
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>comp14889_c0_seq1; 704 100 1929 LEN=2028; translated
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SDRIVRM LLRVYPRAAQIKDDQDKLP IHYACQNGSTPEVVTILLAAFPE SINVKNGFGYT
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>comp14891_c2_seq1; 392 35 1573 LEN=1662; translated
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>comp14892_c0_seq1; 404 211 2208 LEN=2972; translated
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>comp14893_c0_seq1; 751 644 2956 LEN=3168; translated
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>comp14894_c0_seq1; 408 385 1767 LEN=1898; translated
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>comp14895_c0_seq1; 263 1 1227 LEN=1343; translated
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>comp14895_c0_seq2; 312 198 1367 LEN=1483; translated
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>comp14896_c0_seq1; 312 217 945 LEN=1730; translated
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>comp14897_c0_seq1; 357 1 1663 LEN=1845; translated
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>comp14897_c0_seq2; 228 1 1198 LEN=2046; translated
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>comp14898_c0_seq1; 665 108 2798 LEN=3337; translated
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>comp14899_c0_seq1; 505 1 1354 LEN=2249; translated
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GPRRLVVS AVFYGIQLTIGYLLMLVIMIYSVALFASVILGLVLGHVMFNAKDAIWP IHEL
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>comp14899_c0_seq2; 259 1 1899 LEN=2408; translated
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RVDCNKSVGLHNDCSFDDDNQDPRDTARGDHP IATITIGSPRELT FVQMEKRKSPARNG
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>comp14900_c0_seq1; 707 1 2479 LEN=2582; translated
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RAMGLEWLP SVVNATNSESNWGDDPRLPDRQSVQCWWTFGE SNQGRGDGKTIDVTADNQT
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NDDETLGNPMSIKDFLISKSRNASWENTILPVL DWLGIVDHHGFENSRKCGVDFPITFLS
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>comp14901_c0_seq1; 457 287 2110 LEN=2281; translated
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LRRASVCDMSNTGTSISGVANAYPNHVDSGTPFPLKIYSSTMPRASETVTWMDYDFPVNE
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EQQVIPTLVVSHVSVLQMLIAYLRKSPVEEAMQIEVPMHTVIKFTPARGGGWQESSHNLA
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>comp14901_c0_seq2; 226 1773 2318 LEN=2489; translated
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G

>comp14901_c0_seq3; 333 287 1567 LEN=2488; translated
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PQKRPGKPTGVVVFVESICDDEELLQENFKFKISNSPDYQGMDKKEAMADLKKRVKKYEEQ
YETITDDSLSYIKIFNLSTKLLVNHIIYGRMSKVIIPALMAWNI GTRPILLCRPGQTLSDV
FTDRDDYVTAISMHIGSQDFLNLNSHTQKRLLRGDSLGPHGKGFSEALYDFVAEESMDFL
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>comp14901_c0_seq4; 278 583 1663 LEN=2584; translated
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SLSYIKIFNLSTKLLVNHIIYGRMSKVIIPALMAWNI GTRPILLCRPGQTLSDVFTDRDDY
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>comp14901_c0_seq5; 333 287 1567 LEN=2393; translated
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>comp14901_c0_seq6; 402 583 2206 LEN=2377; translated
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SLSYIKIFNLSTKLLVNHIIYGRMSKVIIPALMAWNI GTRPILLCRPGQTLSDVFTDRDDY
VTAISMHIGSQDFLNLNSHTQKRLLRGDSLGPHGKGFSEALYDFVAEESMDFLLRRASV
DMSNTGTSISGVANAYPNHVDSGTPFPLKIYSSTMPRASETVTWMDYDFPVNELSTLNP
DKGDFAGKELLEIQNTHPEWYGRLEKDPFHTRFPGGESYKDLIQRLESVVVDLEQQVIPT
LVVSHVSVLQMLIAYLRKSPVEEAMQIEVPMHTVIKFTPARGGGWQESSHNLAPVHDGSN
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>comp14902_c0_seq1; 656 110 1578 LEN=2049; translated
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PSKKQRLQSAATLLLDKVLQRRDDVQKLTVENVVDEQTRII EHTWDHNYNRLVKFYEANG
HSNVLRSDPDKQLSGWVKRQRNLDKQKLSASQIQKLDLDFVWNRLEGAWYDKYDMLVA
FESRHGNCEIPTKYDRSLAEWTRQRREYRNKAPTMSLQRI SKLNEIRSWNWD SKVWKNR
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>comp14902_c0_seq2; 357 110 1480 LEN=2016; translated
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LLVFLSHSMQHNHKTTRQNAMPNDSATYVPQVTANI HGYVHRNDVEEFDYDINHLLHAA
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>comp14902_c0_seq3; 403 110 1212 LEN=1748; translated
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IGVTANI HGYVHRNDVEEFDYDINHLLHAA SVLVTFAFALPVVLMWTTTHCCMSMNALQLA

EWLCIYGYSLVPMYPAVLSIIPLSLVAWITLGMATGASCLMVIRNVAPALLSSDTSGTG
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>comp14902_c0_seq4; 1034 494 2407 LEN=2878; translated
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>comp14904_c0_seq1; 657 47 2260 LEN=2328; translated
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>comp14904_c0_seq2; 1050 47 3400 LEN=3563; translated
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>comp14904_c0_seq3; 402 1 1190 LEN=1353; translated
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>comp14905_c0_seq1; 681 578 2545 LEN=2608; translated
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>comp14906_c0_seq1; 859 324 3119 LEN=3706; translated
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>comp14907_c0_seq1; 801 118 2862 LEN=2907; translated
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>comp14908_c2_seq1; 292 1 1007 LEN=1726; translated
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ATEVVEMFRKGGFRPFRNGLVPTVLRDLFCGGTYTFLRLEIQYVFLRPDQQWGANTVAA
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>comp14908_c2_seq2; 292 1 1007 LEN=1677; translated
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ATEVVEMFRKGGFRPFRNGLVPTVLRDLFCGGTYTFLRLEIQYVFQLRPDQQWGANTVAA
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>comp14909_c0_seq1; 639 131 1894 LEN=2169; translated
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VRKDPDVREGRSCMHKQLVETVGAGAHQNSQAEPATAARWNQGLDDIRQTRTEGRDRR
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>comp14910_c0_seq1; 429 267 1809 LEN=1809; translated
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>comp14910_c0_seq3; 229 1 566 LEN=792; translated
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>comp14911_c0_seq1; 672 125 1841 LEN=1841; translated
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VVYYLLEDETETPGVVLSSATANIYLWKHTDALVISDIDGTITKSNAKGALGTTILPTNEH
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PILAAFNNLNDVQAYHFIGTSL ENIYMINKKSMIVTFDKPVG DGGDENGEKESFFSHQW
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>comp14912_c0_seq1; 735 1 1622 LEN=1687; translated
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>comp14912_c0_seq2; 191 1 808 LEN=808; minus strand; translated
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>comp14912_c0_seq4; 846 157 2271 LEN=2336; translated
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SPTLTSGKFWPGTLGRTANHAMVIAQLIDGDGKHRGIHNFLVQLRSMEDHTLMPGVKTD
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RSIIVVGAAKCLGMACVINIRYSAVRKQGFADGKTENQVLDYTOQQHRIFPLLAFSYCT
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>comp14912_c0_seq5; 793 210 2015 LEN=2080; translated
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VVASQMNKDIAENGTEPQQAWNNALVAMSKASKAYSLYFLRNTMEGILDEQRTGVI GRAE
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L

>comp14913_c0_seq1; 688 274 2527 LEN=2595; translated
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FQSQELLLPDQPTKHGYVKIRVDRKGWMMRNPIDIRCNEFC LXEMMIANEAKRNTLT Y
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>comp14913_c0_seq2; 771 274 2367 LEN=2435; translated
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SIYDRIQYYHDTTLFKINIDFVDLTDLIAMDIP LTVFAPDNKAFQ RVEFN AVDGGPI I VR
HVL RGLWFCDVLANHTEVTTVDGVVLEIEVKND ELWVG GAKVYNC DILAHNGVLH HIDRV
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>comp14914_c0_seq1; 337 150 1632 LEN=1866; translated
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>comp14915_c0_seq2; 853 1 3315 LEN=3436; translated
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>comp14915_c1_seq1; 522 171 1769 LEN=1792; minus strand; translated
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>comp14916_c0_seq1; 270 151 1230 LEN=1463; translated
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>comp14916_c0_seq2; 621 1501 3630 LEN=4041; translated
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>comp14916_c0_seq3; 621 1501 3630 LEN=4065; translated
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>comp14916_c0_seq4; 764 151 3378 LEN=3789; translated
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>comp14917_c0_seq3; 204 1 1126 LEN=1126; translated
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>comp14917_c0_seq4; 1390 94 7221 LEN=7320; translated
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>comp14919_c0_seq2; 689 245 2749 LEN=3159; translated

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>comp14922_c0_seq1; 527 1 2910 LEN=3125; translated
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>comp14932_c0_seq2; 422 59 1156 LEN=1283; translated
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PRLNQGDHTLILGDCAHTVKPYFGLGANSALDVSIFSDCIDESGNDMAAAVHEFSRRRA
KNSETLVRISRDLDRPGAIGAITFIPIIILDSIFNKINPKLFAPNI ISMLQRDDLTFFNQV
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ALAI FNP EMAPADV LAKMKTPI TEENETMSKDGAPSSATA

>comp14938_c0_seq1; 406 300 1769 LEN=2764; translated
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GAEIAGNSLCLVPLVISGAAISSGSFGYDPRVGLCTVYGAGYFGDLSWYFVRDIYRWTL
VASGALTILVTLIIRIHVLI FEKKECSSGGDDDDAGDDKSHGGSSMTDPDEAEDEEEKEI
TRQKLTISAQCLFYTTSYLSSYIWFVTL SFLSKGSGVPLNEDLIYAFKVM TVIFYP LLG
VFNCAIYVRPRLQTLRIMYPQDSVTVSMRVAMSKAGDPEEIEEVRAKIYGDDYSRARESR
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QSKKQDESC

>comp14939_c0_seq1; 224 1 1767 LEN=2010; translated
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CHALFAVLASKDVIKTDQLRRAIEDLTPKQYSEWSYGRWSAAMATLLLDRLGISDDDLR
RSLFGNENNAGSSSVKPPPEFRAGDSVRIKSFQDGVWRRPHIRTPGYVYGVNGRIVDVCG
RFGDPSFLALGLEAPEVWLYRVEVQCEQNETGSLISFGSVVQHKSASYFDSWTMIHHFRA
AFFAFNPHCQEISMEDLWPEQVSEKNTLSIEVYEHWLVP SDKNSGHGYQEMKLFNHEDDG
RDCSHQDVHSHGGNSHDPRTITEKRAVEDEGPPRPGEDFFRGLLQ TILDKKIVSGEEVRA
MIEGLDSAGRTMAGRDLIARAWMDPVFEERLLEDAAGAALELGIHTSNPNAPT VLT VVKN
TSKEHNLI VCTLCSCYPSGLLGIAPPWYKSSEFRSRVAVREP REVLNEFGTQLPQTQSIRV
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>comp14939_c0_seq2; 291 1 1621 LEN=1864; translated
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CHALFAVLASKDVIKTDQLRRAIEDLTPKQYSEWSYGRWSAAMATLLLDRLGISDDDLR
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RFGDPSFLALGLEAPEVWLYRVEISMEDLWPEQVSEKNTLSIEVYEHWLVP SDKNSGHGY
QEMKLFNHEDDG RDCSHQDVHSHGGNSHDPRTITEKRAVEDEGPPRPGEDFFRGLLQ TIL
DKKIVSGEEVRAMIEGLDSAGRTMAGRDLIARAWMDPVFEERLLEDAAGAALELGIHTSN
PNAPT VLT VVKN TSKEHNLI VCTLCSCYPSGLLGIAPPWYKSSEFRSRVAVREP REVLNEF
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>comp14940_c0_seq2; 657 84 1745 LEN=2132; translated
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NQTPAGT PRLVALGIFGLFAAGCALGPGF IGWEAHTGFMAGIGNLDTATVQSLPWVTHSE
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FFYNPSSLQFLVDMQAGFTLLGNITCAIAAFRIALSNGWTLGEVNPFRKEDDPAILAVDS
IAGEALVLRPEVESNAVLGAKLLVSTLFLSYAVKYGSLGLDLPFSENGAVGLAMVLGIPG
ITAFSYYQRGNTAAEDGESKPF SFQLGDTSLSMSDVKKYGAAGTVAYVLT ELAFWVFAFP
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NRDGAIDADAEEV

>comp14941_c0_seq1; 647 186 3981 LEN=4005; translated
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RGEGDGNSDNVSHGRRGLNGRSGSNRELRVTS DHTRPGLERSGSSLKSIRSFRRIQSETS
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SSSDKQDSKRRLRSSRSLSRDKSTDSARRIKSQSPRSSRKIHPASSILEKFRYDPNNVS
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VPIKKKRELLGPTSHHNC SRKMI EGNSSDIDNSPGLILQEGMKNVSVAPFLHEGIPVIK
VSHNPKGKCHRRYLTLSEDQTTFLTHSKMPKGMKPKQPSWTPSKGFGGSYIRSIDIAN
ICSFQVGAITSRYLELAMSKYSKPSKTKDVK SREESTKSVKSELFASEQERITAAVTIFH
VDSTTGRMVSLDFFIENKDHQGLIATLALMKHTYAEAGQLVGNEIMLLRYILKMEFGT
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LAVRKYLDNDRNSYPIMINFENNCTKPFQRSLAQITKEVFGRHLFV PNSXDRKKELP SPE
DLRGMIVINERKPPSPKLETLEPNPSGVSEDVYAQFNP IKPGSNKMVTFVVSQSNGSTESD
AEIEKELSELTLFHDADFTGHFLES MNLVCSQMHDIKDTKVLNIANKYSENSALWRKFNE
SHLTRIYPNEQSQGSFKTPVPSQPNFSPVVAWAMGCQMSLNFQVHDTDLAINDGLFRQI
GGIGYLPKPLWLLGLGEKPPSIKLRIRVLSGSCIPKPFLLDDKDTPNEDTCIDDPVVLEL
HDVVVRPDHGENLRVSKHKISCKNKNFCPIFDDYSGKKFDIETPDVASLVFRVEQNTKQ
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HNSHV

>comp14942_c0_seq1; 1354 241 3496 LEN=3496; translated
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PSKSSSLSTRQSRMILSAETKSSSTGSSKSDQKEFKAVFLALQLYKAAYGDLKVPARFV VPS
AAPWPEPAWGMKLGQKVGAIRETGLYVDKSKKRREQLKLGFIWKLRAPTDTSIQFDQIY
DALTVYRAEIKPSGPLTVPTEFSVPDAEPWPESTRGLPLGRS IKQLRSKAYLKKNP GAE
KLKQIGFETDKKLSANDKRFQAVYLALERYKETYGDLLVPQPFVVP SDSA EWPEESWGLR
LGARVNAIRSQGTFIKNNSERQDMLDALGFVWTPPEKETKKRGRKTL DQIDQEEKEAILE
AESKTKGASSVEKKSDEDSADSFLSFFDFKENDQDSSDNDETQGGQPTWGLEAGREFDRLP
NNNQDAAEQDFDEDEYEA PRSLGESLGAARERALEAGVIEDTDSKRPTKRKREPEIPWFN
DDFGGYFVFEDVVEALTLYKQGYGDFS NLTSGEFVIVPKDEPEHSFDDDFDEMAINGMD
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KHLPERKAQLDAIGFDWGPEKYFLDVPFEKAMCAMA YAFYVMVRGDMFVPADYVMPDEDPWP
RALAGYELGKAVRRIRELQNF FEAFHVEKVALLRMIDFVWFPTLALPIDPDEPAVSAEML
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RAVSLRKS GYPRMAKEHEEKYGPGLFQQIDEYLENILEE IGEVQLEAMIGKEDVETFYGV
VDKYDGM I KEWDSLTHEERMDAPGIHLTNFTLYGRKGGLPAILKVFTDTFEDSERQRTDL
SDKLLDVRDTL FNYLDELSDCTDMDD FELDVLWRFR IKLYLSLVLNDHFNTKAMDRQKQE
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VGIFRX

>comp14943_c0_seq1; 434 57 671 LEN=2390; translated
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>comp14944_c0_seq1; 858 241 2463 LEN=3149; translated
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KGFLLVFPGNFSFGGSKPNDEANRDNPQPSGALVATALGEDSDK SCHAGDQGHPTPAK
TTAKKAGLPSNGTVTATPTMGR IEGLRTSTPSFRIPFPHLKKSLVFPGKNIPPTSKYLSL
SCSNKKKGT VQCKNIFSSAIVFGIPKWESSLVTEKEISISYPSASLSASVND SNGESDEK
KNDSETLPNF SHYGGSERTIDGAARSRSNVTKKNKNTSRSDSQMNRIPIWSNHRDIDDNS
NNKQHS AFDFSRMPKSEVKAPLPKSKRETTKYHDS SSGNDDNDSSNGTIDDDSDASFR
IGTPKRRKTI ISSSTTTTDFSNVSATKTR SAPRRQASEKKRYVEQQEETSDDDGESLHD
EESPSNSVSEDEDEDQAVDNKKSTTKKHKNTHAHSSSRQKIVKNQAKGAGEKSVIKKD
IIDVDNGGDDWSASDSSFASVGDKDTSESIVRRTRARRITRVTKQTSYKEINE SDSEEND
DDDNSESEEMKNSSSKAKGSDPKERQDKTKRCSASTAPRGRPKSHKKNASSGKRKPS
SRLRAAASRSKRQSIQETTSSNGVGSNGAKLITQSPSSFSPTV GAKSPFRRRHKKSSP
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>comp14945_c0_seq1; 319 63 1100 LEN=1740; translated

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RRIANGSFADIYTIKSFQRGEDDAAIETYGPAYTREQANAAAQIKRNKAHKYVVKVLRSN
LLINSSLFATAAADFLTEGNLLASLNHPNILSIRGRSVASVEGFSTGKRDSVFFVLERVD
GTLSHKLDEWYERSSEIGLFGKSRSDSSTILRERLVAMGDLASALAYLHERRVIHRDIS
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>comp14945_c0_seq2; 409 63 1406 LEN=1621; translated
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LLINSSLFATAAADFLTEGNLLASLNHPNILSIRGRSVASVEGFSTGKRDSVFFVLERVD
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LSNVGYVVLQEKVKLLDFGLAKILPPATDENERFLLTGNTGSPRYMAPEIGLKEPYNLKA
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>comp14945_c0_seq3; 322 63 1124 LEN=1148; translated
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RRIANGSFADIYTIKSFQRGEDDAAIETYGPAYTREQANAAAQIKRNKAHKYVVKVLRSN
LLINSSLFATAAADFLTEGNLLASLNHPNILSIRGRSVASVEGFSTGKRDSVFFVLERVD
GTLSHKLDEWYERSSEIGLFGKSRSDSSTILRERLVAMGDLASALAYLHERRVIHRDIS
LSNVGYVVLQEKVKLLDFGLAKILPPATDENERFLLTGNTGSPRYALS RKG V
>comp14946_c0_seq1; 251 47 484 LEN=676; translated
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VRGLAPQWKDWPVIDPIEEDELI R
>comp14946_c0_seq2; 401 712 2156 LEN=2348; translated
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SNGASNGGDHHEHRSPSTPHGVRGSRDLRSPGMQNSPVAAAGAI PDFITQTDAGNATTP
RSAKAIEGATRAAATKARSRS HRGRKQHEEDASDSSSDASKDAAGEACDTLVDSFRMICC
CLAPTGMVQSGATTKSRLSSKETQDSEENIDDAKDSVADDHNRPKLLGAIHPEDTGKKCL
VLDLDETLVHSSFRAVEGADFVIPVKIDDVVHFVYVMKRPGVDEFVLVEMAKHYEIVIYTA
SLNKYADPLDLLDPHKTIYRRLFRES CVFYEGNYVKDLSVLDRLDLSKTIIDNSPNSYLF
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R
>comp14946_c0_seq3; 381 142 1050 LEN=1050; translated
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SPVAAAGAI PDFITQTDAGNATTPRSAKAIEGATRAAATKARSRS HRGRKQHEEDASDS
SSDASKDAAGEACDTLVDSFRMICCCLAPTGMVQSGATTKSRLSSKETQDSEENIDDAK
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WLF
>comp14946_c0_seq4; 286 712 1724 LEN=1724; translated
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RSAKAIEGATRAAATKARSRS HRGRKQHEEDASDSSSDASKDAAGEACDTLVDSFRMICC
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>comp14946_c0_seq5; 123 142 1482 LEN=1674; translated
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SPVAAAGAI PDFITQTDAGNATTPRSAKAIEGATRAAATKARSRS HRGRKQHEEDASDS
SSDASKDAAGEACDTLVDSFRMICCCLAPTGMVQSGATTKSRLSSKETQDSEENIDDAK
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VMKRPGVDEFVLVEMAKHYEIVIYTA SLNKYADPLDLLDPHKTIYRRLFRES CVFYEGNY
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DVRGLAPQWKDWPVIDPIEEDELI R
>comp14947_c0_seq1; 214 99 1154 LEN=1663; translated

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LCLFVVFYFFKYGYMSPKGEPELSIQTRGARKYEYLEGLTTHLSQPEGFVLLGGYLSGTWM
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LFD AFNGSMLDTIFMILVPLYATANLVDCNVWSYMAFGSLYANWLT L IHSEYTFPWDGLF
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>comp14948_c0_seq1; 199 1 1363 LEN=2064; translated
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QTLPPTMPPTVPIESLTMSILISVPPLVPSEVVATRV E EALVDILTEGGSGNRVRR LQRR
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VVVTLTGTSPATLSAFESTIEESVQTN AFENVLAKRGLSAYTE LPSQPV LSTDSPTGVPT
DSPTFAPTAITSTATSAPT KYVDPCPPLSGDCTKCL ENKACY YCREPPGT CFNKNPKRR
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>comp14949_c0_seq1; 156 1 493 LEN=493; translated
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LNSADGTQYGSPLKYRMHSIESTERETPTSLGILGESVIN FSSPT
>comp14949_c0_seq2; 621 604 2901 LEN=2943; translated
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EYRSLQMYGAIDETGPDIVSIGENEEVLLDGLGENNSPRIHDL PVNRRRSYSDDATASE
TDMIESYNNDLNSADGTQYGSPLKYRMHSIESTERETPTSLRSGSWASPSSISRPRPKKL
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NIGPVTYYYHPGSNYASESMNSENIDHNGLPPRDGSKTIPVVF IHGIGVGLIAYIPVIDA
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WLSYVCKYAHSAVAALLFLDPICFCLHHPHLTKSFVYHRPDGSI AFIVRTDMMVNWITIQ
RAFPWAWIALFLDQVNVPC TIFLADKDALVPSEKIMNYFRSNGVPLSDAATVDSSYFEEK
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>comp14949_c0_seq3; 510 604 2289 LEN=3042; translated
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TDMIESYNNDLNSADGTQYGSPLKYRMHSIESTERETPTSLRSGSWASPSSISRPRPKKL
FRFRDIEREGPSVFS DLYEAYKVR YDKYKNMIENVD FNPVQDLRNLVAETAQQA AKMSH
SAEESALKSAQNMYETIVQPGSQMEKHLSAFGHATSLQLTEAWKSVKGMKERLDTANFLS
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>comp14950_c0_seq1; 1105 1 4099 LEN=4135; translated
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QIHRRARAFQRLRKT LSEMDIDRSKTQLT SQLSNVLLP IAVHPIYECKMRSEEGFV LDS
IATLGAIARHLPWNKYN SMLWILS QFD RYPEQERY SVGALCAI IDGFNFELTTQSNDGS
MVKTSVWRSL ENRIIPKVEGILSKETTGDGSGQKTIRPAIILALVKLFQKFPEDFDMK
LHSILAVICDALRNKDSTARDVARN TMAKIVCSVDLKYLG DVIREVTITLNEGYKLVHRS
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YPMGEGKFEQHLKQVVANISYEYQEGRMSGIMLLHLLIEKVPQELLQKNCQNI FLPLVLQ
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SFGHQGASDADVPLTEHSFAEEVLLLEEKCTSSTDFLNAYAEVKRRAYSKKQRRKTEQK
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>comp14951_c0_seq1; 564 312 1533 LEN=1778; translated
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GTGRKYRWDATTRFALTAEEAASLLARLDRGDPVELSRRLAGDHYQNPTGMPVVDKIFMA
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SGGDGGDGMFDASEGFVSSPKQKRLFVXXIACSSLGWKKLSFFSRSNLDCCRTSIIALC
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>comp14951_c0_seq2; 508 312 1321 LEN=1566; translated
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>comp14952_c0_seq1; 1217 169 4563 LEN=4703; translated
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>comp14953_c0_seq1; 568 1 1793 LEN=1851; translated
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>comp14953_c0_seq2; 926 77 2891 LEN=2949; translated
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>comp14954_c0_seq1; 604 181 2616 LEN=2855; translated
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>comp14954_c0_seq2; 635 207 2912 LEN=3151; translated
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GANPEVQNL DVRESDISRLTNSGLHMSTVNQRGSDPHMSFDDTLPSVSVSEKESLPTALP
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HYTSGSEETSTKGSWLKKIRERRSEAKLMRKLAKKEEKHRNQSDSLAENLPMNLNNVKG I
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QIPIGMSVREEEPPLKYESNKTSLTRTSDVMSSVGS DAMKTD SFLHHILSSTEHS SDSV
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>comp14955_c0_seq1; 278 643 1962 LEN=2285; translated
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PRQPAIPHVNIYHMRNNNCFP IRGNSADPDDGTTTRHTATFLMTIRNPLTRIWSWFDFE
KDRLPTRRNKQDENRLRWKRGLLFS ECDNFVDLVTNGLEPIWTAPSGSNSNTTNKRTS
EVSAERPVDMTQCERAWA AVLGVREFSYHEWYNYEHYWTMLTGTMNLYKFPFKGSSPPAL
PPPSLVLRTEHLAEDWSKLSSEDLFRKVN RGSYRNGTSDADSDSRNAFSRFPVANSQ
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>comp14956_c0_seq2; 370 269 1591 LEN=1703; translated
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TVWNTTRRGKVPTEGGCPKISSQLNVSQYCLDKPFDISSWYLELKFKEGKDKCEMEQTLANP
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>comp14956_c0_seq3; 370 307 1629 LEN=1741; translated
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FEDLQSQRWIRYLFQGLREEEEKIPYDATVFIKSFPRKGIKLPYIGKMYIDMVDAYGYGDE
DVPNEMNLILQTEWQGREVFPSHNFTAVEHWYNSFPADMALSGPPENIPSIHQANIKIA
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>comp14956_c0_seq4; 370 1216 2538 LEN=2650; translated
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FEDLQSQRWIRYLFQGLREEEEKIPYDATVFIKSFPRKGIKLPYIGKMYIDMVDAYGYGDE
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TVWNTTRRGKVPTEGGCPKISSQLNVSQYCLDKPFDISSWYLELKFKEGKDKCEMEQTLANP
QLGPGMLYINVFRKFDALVVLAKNDTMKLYGNVQRAVSQMRSGVPVLEIRGKVLQDFV
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>comp14956_c0_seq5; 152 1039 1496 LEN=1496; minus strand; translated
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>comp14957_c0_seq1; 411 86 1516 LEN=1989; translated
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GVC SHQVLNPPVARSGGGQASPLSPAEGSLEAMTALWDTGGVSCFDIDVVTLSDGSMVAS
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PFPLFDEEVLPHFAGLVRGVPGAFSSEASAAPEWTIKGPMLNIDLKQGPYLTEARVLKL
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>comp14958_c0_seq1; 634 1 2495 LEN=2662; translated
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KDSCVCPTNFPSPSAMGNFNR TLYRLVGQAIGIQGRAISNLRVHNLIDIGDLTYWSPTI
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QFQDHLFTAYSEGWVEELTINESFQRMARIQFRLGLFDSTKKDAVNPEADMASIDSPQH
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DQWQEGEEHDRNETSLPGLQAKLMDDILDVAGGKTIVILIHGGTVSLGDARHKAGAILST
GYGGQAGASAIASVLFGDYNPTGKLAATVYPPSFVHELPLTEMGLRVGVGRTYMYTGEA
EFSFGHGLSYSEWKL DWVNDTHGNI SRFKSPQALVLDSTIRFHLRVQNSGPHTPGSRQ
TILLFWHPTNSIGDTHRGKETTRKIRRKLIDFQETSFLQTGESEVLEFELAWNDLAMWE
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>comp14958_c0_seq2; 628 824 2605 LEN=2772; translated
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HQQLALEAALQSI VLLQNQNTLPLDKTDKSLAVIGPHINARGALMGNYHGAKCGCRSD
GGRSHDFSCVESPLEAIKRTTKFPDQVKS VVGCTIGDDSIDGVKDATELAQNSDAVILLGL
GLDQWQEGEEHDRNETSLPGLQAKLMDDILDVAGGKTIVILIHGGTVSLGDARHKAGAIL

STGYGGQAGASAIASVLFGDYNPTGKLAATVYPPSFVHELPLTEMGLRVGVGRTYMYTGEAEFSFGHGLSYSEWKLDWVNDTHGNI SRFKSPQALVLHDSTSIRFHRLRVQNSGPHTPGS
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>comp14958_c0_seq3; 522 1394 2731 LEN=2898; translated
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>comp14958_c0_seq4; 554 1 2621 LEN=2788; translated
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KDSCVCPNFPSPSAMGNFNRTRYRLVQQAIGIQGRAISNLRVHNLDIGDGLTYWSPTI
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>comp14959_c0_seq1; 319 338 1846 LEN=2504; translated
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EWCLKDILSWSHLESVDLRSVSLRIPVCEKRPSSRTQLVPMEQKQPNVRRSSMRNHHLV
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LYGLKILCLRQNFNTLNGGYHHLFALRGIKILDLSLCDLDTNDGSLIVDAMKASENKDLEH
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STSKSFLKNCTIQYFRMRGLMPLDVEGLIRCIRHNTSLRYLVVDNHHELQICIGFEAMQKI
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>comp14960_c0_seq1; 130 225 1073 LEN=1816; translated
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ENFLREKSCVLQLLSSDVEGDRESPEVFAACVRLGGASGADVCKEDELDDLGMELQELP
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VPSRPTVYCYDRNPVLSNHKHSFLHVSFAVTNALLPLIFIPNQFITDTXVVD CGNQSL
LIGLRGSQNAADNRHPYGYGKSVYFWALVSALGTFMAGVSMHSVQTLFNPTLVENIS
SEVWFVLA MSFVVDGYVLYRTVG DVEEARPKGVPMKLYVSKLRDPATLAVLLEDGAACLG
IVIAIAGIAASHASCNPIYDGLAGVGISCLLAAVGVTLARVNHSFLIGQVEREMLEGIE
KIIRNRRIENVSGIQSQWTPETFSFKAEVDFDGTYSALLMPRYRAEFISAGDDLDEE
LGVLLSWY AEDVIRAVEREVRHIEAMIRQYPGA EYIELEPMSKFVDRFAIDDSFEKLL
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DTKT
>comp14961_c0_seq2; 496 845 2329 LEN=2435; translated
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VVDCGNQSLLLIGLRGSQNAADNRHPYGYGKSVYFWALVSALGTFMAGVSMHSVQTL

FNPTLVENISSEVWFLAMSFVVDGYVLYRTVGDVEEARPKGVPMLKYVSKLRDPATLAV
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VEREMLEGIEKII RNRRS IENVSGIQSQWTGPETFSFKAEVDFDGTYSALLMPRYRAEF
ISAGDDLDEELGVLLSWYAEDVIRAVEREVRHIEAMIRQQYPGAEYIELEPMSKFVDRFA
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TLSESGSMTGDTKT

>comp14961_c0_seq3; 356 160 1128 LEN=1234; translated
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HSFLIGQGVEREMLEGIEKII RNRRS IENVSGIQSQWTGPETFSFKAEVDFDGTYSALL
MPRYRAEFISAGDDLDEELGVLLSWYAEDVIRAVEREVRHIEAMIRQQYPGAEYIELEP
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>comp14962_c0_seq1; 478 127 1653 LEN=2018; translated
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>comp14963_c0_seq1; 852 125 2269 LEN=2311; translated
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RKRTASN RATRIEEIDA VTI TSNHDVSSFSRNQSESDVTDSEDEVITELMVSKMNRSSY
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EPTTLGASDSEAI VRLVQHNPLTQPPVSAAPVLTSSGETKRLKLLLEKRKRSI SHSRKFR
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LTSDYFSSSVDDIRPRYNGEIQVQSSDDSAWSEMSFQSESNRFTVSSTAPLLEKGNRGA
GQKFQVRRPLSVQTKHKTINDSFEDIVLRNTPKPGSKGCWILFGGDSPTGVEDIFSLQ
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>comp14964_c0_seq2; 217 1 520 LEN=842; translated
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LPPPLPSDAPAI PDSPPGGFPDAAPLRPEPPVKKATVPPPPPPPPPPPPAALPPPPPPMD
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>comp14964_c0_seq4; 391 298 1458 LEN=1458; translated
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QRVVQLVP SDDWGGAGLLGVTIKLDDYGGADERLVRVLEASEGGPAALAGLVPNEDFLG
TTMATLSTTDVLAGLLHQYLGRVVELYVYNSKTDVVRIVGLHPTYGWGDGDSLGA AVGT
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>comp14964_c1_seq1; 1153 64 2839 LEN=3141; translated
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GTLPPDDGDEEETETEAEVEATPAPSEMQTDTPQIEPPSAPAVIDDDLLFNHMEAFRAWQ
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>comp14964_c1_seq2; 374 1 1830 LEN=1830; translated
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FDIERLPARRSTHPDPSDRSDFAHAAVVQLSTIHA CLVVHLL EGGQNKQKQKQKQKQ
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>comp14964_c1_seq3; 762 64 2398 LEN=2490; translated
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KRRIGYLRYSLEAKAVRRILHYCPQIISLQDNLEETIGFLLNAVAPGATLSATTTST
STSESGRRSFGSDSPADELVE TDDR DALAIQILVTS LPTLVALSIENNLSPKVDYLRE
KLGQEE LSGALLRMPALLGYSLEKRIRPRLELEECGIPLGTITQAITLRQDLYEEWVEK
RVRKQAKQREQPAKQRKPRGLARKKTKTAAATRARKRSTVSKRKP AEGVPPAVSAAAGSA
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>comp14964_c1_seq4; 251 1 1273 LEN=1273; translated
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SGACAEILASVLEDPTVVKAGCSIDEDLVLLHXVVEGQVPPSQQKLQQQLHREGE POKNE
DRQGQKAQTGFLDAFAEGEVEFDLGCVVLPKKQYFANNATGGMPPLVLP SNQTQAQTQT
QTAPAVAPGRKIAAANI TTHASSSGKSPCHHKPLIRNKSGLQGLCRAILGIELPK EASD
CKSDWTAFLPTDDQITYAARDAWAGVAIATELERDHEVFERSNLASVLGANETPLPELAR
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TIPEHEDEDE

>comp14965_c0_seq1; 834 283 3213 LEN=3548; translated
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VLGKLVIHNSNDIFTT SILVHGE LVI ES LKPIDGVDPV SITWIDTKPNRTLFFQSP EGGDE
SNSICGSGRGACGMGRKPFV VAGGKLNIRGLPSPYMP TWVPLYDVDRRVSTSEDPLVSI P
AIEDTTHKYKPPKPGCPKDDSLIHYDYLDSDLDFKGSYGSISTFTLNGGLKVTNRSHS
QHCPVIDLNHIRRCLEPDKLYLMTMKVLLTRDGI VDETDCAKKGDDHCMSIYQSRMSAR
GIGRTTSLWKERESFGSMLGEETTIAVDFNFTSKQLSESNIYEMIQLRGP GPVDMELLE
FTLRAPPKEAFPKNVCDLVPTNGNAELLGLSPYFR TNNDTFLSVVAEGNNNYFEVTG
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LVERSVDHLILPKSVENLWSVGAEIMITSHTSEWNGHSTRRISSIENHDEDDGYVSVGLNE
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HRSYPIYFDCNNPNNSIVSKNTIRESNQRCIVIDETNNMLIEGNIAFGNKGHCFV VQTG
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FWIQPKNDRQTGFAGSSHILSLTEFRDNVAHSTDEESLKITGYSPTQMASIKNFRSYLTN
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NPTDVFNLQSSPSLLE

>comp14966_c0_seq1; 1359 76 3450 LEN=3764; translated
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CVMSSGTTGTGPKGICQTHRAAVHSYLDRTIRFPFQTNAETGDVEDRAGAGVFFVWELFRP
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CGKAI PGVKFYIVDLEQNDDHESHTKNGVMKLVPEGEKGEVYVGGPVVGRGYLNMPEKTA
DRFVKNPFLGLDGDSDNIHAPRLYRTGDLGRILPDSKELEILGRCDFMVKIRGYSVVLGA
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FSEAELEAERSTVHLKEDVDLDFSPFLSEGYAMTKWVAERMCAVAESRGLPVSVMRPGN
MAGSSLTGVSNPDDLNYLLIQGILETGCAPTVDTNYALDLTPVDFAAKAVTELATQSPHL
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>comp14967_c0_seq1; 128 193 1560 LEN=2503; translated
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PGGWKYFVRAAKWCRELGLIVWADLHGAPGSENGFDNSGHYLG GSTCDGWSKNPANVQRT
LDILTDIAHG VLEAGLEDVVTGFGILNEPFADCDLEVL RKYDNLSTVLRAILGQSTS VF
VGDTFRAYRFNDGEFWTDP SIYHDTYLD SHPYHVFFEEGRSFTPRQHIA YVCRHDTRS VS
DCCFQDGD AKQIP SAGISRLTGEWSAAF DALPTALVPDLMEG ISKTGQLPQRNRTLSSGR
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>comp14967_c0_seq2; 212 193 1977 LEN=2354; translated
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PGGWKYFVRAAKWCRELGLIVWADLHGAPGSENGFDNSGHYLG GSTCDGWSKNPANVQRT
LDILTDIAHG VLEAGLEDVVTGFGILNEPFADCDLEVL RKYDNLSTVLRAILGQSTS VF
VGDTFRAYRFNDGEFWTDP SIYHDTYLD SHPYHVFFEEGRSFTPRQHIA YVCRHDTRS VS
DCCFQDGD AKQIP SAGISRLTGEWSAAF DALPTALVPDLMEG ISKTGQLPQRNRTLSSGR
VGF LRNFCEAQMIAYEAADSGGVSAGWLFWNFKMEGGAF AEWDFLRGLSEG WMP S IPEPT
VSSES LYGR CED IY NRTD DSYSIVNEY PDPRTL DWNQWQGS ANDDFVMSDPNIPVDHIR
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>comp14968_c0_seq1; 735 1 1847 LEN=2450; translated
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KEMPDLLFPWKLHDM LDDSERKEDIKTNVVSWQADGV SFNIHDKDRFVNEVLP EYFTEIS
KEWDAFINILSSWGFVRFTSGTQKGAFIHRLLVKGKRSICKQMRINGKTVSDWMKQHGQF
IGRLHALLSHAEKEGKQ EIVSWTPDGKKFTVHDPFGFMNSVFP MYFDSLTYSSFEQKLRR
WGFMRSPANHTKLDKEMKLEN AVYSHPHFVRGKIPNLVWVK TETKIPRTLQQHNFVRLR
VMLS DASRRGNHFV VSWAPHGKAFMIHDRPYFSSNIMP NYFKSKFTSFRQSLRNHGFAQI
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VSLKSMT PATGQQKI

>comp14968_c0_seq2; 638 1 1967 LEN=2570; translated
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SWTPDGKKFTVHDPFGFMNSVFP MYFDSLTYSSFEQKLRRWGFMRSPANHTKLDKEMKLE
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GKAFMIHDRPYFSSNIMPNYFKSKFTSFRQSLRNHGFAQIGGNGWDEGAYYHKLFIKEEP
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>comp14968_c0_seq3; 443 1055 2613 LEN=2824; translated
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LTPVFNGVNLAYPGVEPLGVDPPIIYLVRDFLTHAECDFLIQAAEGAWQPAPVVGKGAGEI
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ALHAALPAVDTKYVSQVWIRQHAYTGSPTKRLAQPMINVPIRSTIDSRKGAEKPV EADA
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>comp14968_c1_seq1; 463 193 1929 LEN=1929; translated
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>comp14968_c1_seq2; 481 193 1833 LEN=1833; translated
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KDV SARHSGAQLKLVGQV GIRC VHC A H LRPRDRAERAVCYPSSISRIYQTVADMQRFH
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>comp14969_c0_seq2; 726 98 2069 LEN=2069; translated
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>comp14969_c0_seq4; 659 1 1655 LEN=1655; translated
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GKPSTIPSNIPSTVPTIPSEFPDVPSEVPSVTPSTVPSGVPSELPSLVPSWHPSTLPS
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>comp14969_c0_seq5; 731 98 2084 LEN=2084; translated
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DSNTGEIPPTPKLVVPNDAKRIDEIDPNATAGLDGGFGLSHSDDNETQHLLAAMPSTPGGK
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FDSDIFGARRDHQKHNAKRNNSSSRHSLAIDDFGASEHDLEEPATNELSENNSFADDLF
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DGE SYNMDKRYTGS DGGYQSWQGGIMYDDGEKENG GYF SDEDVEDEDDAEKKIVRSML
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>comp14970_c0_seq2; 300 344 1185 LEN=2450; translated
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>comp14970_c0_seq3; 300 344 1185 LEN=1320; translated
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>comp14971_c0_seq1; 306 1 1050 LEN=1335; translated
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SISGLHATPSPAHLSPRGGNYSAGSSSNNSAAMANMMKTPPSPEHPALKRIPPNKIIAE
TMARLQGRGIRLVAHGVCDPKRVWIRLQDESNSHNSPNDGSSSTKRKEPSVTWQTEFPRR
VPDQNGQVSIVLMRGLSHSISLKNVLYIDVGKKTALQLTKGGSIPDVTCLSLLTQNGSL
DLQANSKLERDSLVSFCFSMILDDIHEEDWRALYEASPEPSLASSATGGFGGNI SYLYNNN
NLSSSMTPGSNGAGNFQTPGSNETSGLSDMDRHRERGTGGKKNMLQML

>comp14971_c0_seq2; 496 50 1516 LEN=1801; translated
MADHEMGLQGNRLSMPASSLSSSLGASTESLLVRHQQQPSYSYAVDPSSSETNGILRKNQ
LPQQLQYQSQSSQPIPETQLSIPAALNPFPEVSFYTFIFLASCLCLWVLYLLLPRGVRK
QYFGANRKYAQRDLKNNMPAAGYWPAPAAKAQSEVTTSMDSYGNRGNAAQQQRRHQQQ
YAAGVLRNHVPGFINSNEHSISGLHATPSPAHLSPRGGNYSAGSSSNNSAAMANMMKTP
PSPEHPALKRIPPNKIIAETMARLQGRGIRLVAHGVCDPKRVWIRLQDESNSHNSPNDG
SSTKRKEPSVTWQTEFPRRVPDQNGQVSIVLMRGLSHSISLKNVLYIDVGKKTALQLTK
GGSIPDVTCLSLLTQNGSLDLQANSKLERDSLVSFCFSMILDDIHEEDWRALYEASPEPSL
ASSATGGFGGNI SYLYNNNNLSSSMTPGSNGAGNFQTPGSNETSGLSDMDRHRERGTGG
KNKMLQML

>comp14971_c0_seq3; 138 1 392 LEN=677; translated
XLFRSIPDVTCLSLLTQNGSLDLQANSKLERDSLVSFCFSMILDDIHEEDWRALYEASPE
SLASSATGGFGGNI SYLYNNNNLSSSMTPGSNGAGNFQTPGSNETSGLSDMDRHRERGT
GGKKNMLQML

>comp14972_c0_seq1; 360 422 1843 LEN=1936; translated
MVTEGYQEEIVMFDGRTRTNQNSHGIGDADVDDAESNPGSNASSYFCSKVENATPWSDLQ
RIKKEANEVAMSSSERNLDTTDASCQSPLLNPSESKNTVSSNHIVRDESQEYTMERFDE
LLERNGRDPVAMDHETHVSNNDGETKTVVTDNDDPETHKEKSEDLDFCKQKHRTVWSNRMF
RSPGLVADAPSGILLVFDRI LDCIDPHCGPNHFREFGSLDEDDQSSLWLSVSRNSHRES
REDSSSACSLTTDERSLEAHPLFNHRLANDWATS YERHKANPIPKEELKDG YEWIFPCWE
DPERKSALPSRSLRDLAASDVGRKRK WAGKDLMSIRSHRPATTSTTLPSIHSEIFEAEVF
GEVSWGKDEKCKSDPSKPCDDAPDEPYDFPSRESSLLVLHQP IPLDAPYVVCKLSTSD
DSSLSELFDGLMVSTPSDERQQEEEEELERITDRTSITEETSTLSFSYSMSGSH

>comp14973_c0_seq1; 960 225 3907 LEN=4016; translated
MANGNSDGKRANSGGDGSKKKKKNKGAKKSVFPPTVERMEDMALT SRVTEAMSPHLNGLT
DKTLTEFIVHLTETQLKKGAAAVVWQEGYNLGLHLLLEESQKQKQRMSENGAPDLP LSL
CKSLLEWVNGQSPRIQRWAKKQRQKAEARQARDGNKFKSTVEGASHPMSTNFPGLAKPN
LQNSVPLESGFYEHNSSTSKDSKPPPVVSSGGGAVESSRRRGI SNLPAWMTNKSDNNDG
NLKRPRSAPTLEVHQIYTGRVEQVLDGIRISLDDFKTNNNSGMICYKNQLPNNYERRDFR
KGQSVWVKLISMTTSNNGDKKLILS IKDQVDTGKDLMPFRRTAAMESSLSSVDINTKT
ATKASMSSTAVVHPGLDVDKLRAQQRDSNLAGRGRPTKQALTEHELFEAQQLIKSGVLP

VEQYPTFDPEHGMLAVEETEETEVELEAETEPNFLRGQTKRSGRRDLEPIKIVKNPDGSL
QRAALQQGTMAKERREL RQAQANQLIDSIPKDLNRPWEDPLPEAGERHFAQELRSINVMS
QLEGAP EWKQKAENKTL SYGII SNKSIKEQRESLP IYRLKNELI SAVTKNQILVVI GETG
SGKTTQMTQYLD E M G I T K R G M I G C T Q P R R V A A C S V A K R V A E E Y G C A L G E Q V G Y S I R F E D V
TSSDTI IKYMTDGLMREYLADNDLKRY SALMLDEAHERTIHTDXPFWPLKDL CRRRPDL
KII VTSATLDAEK FSTYFFMCP IFTI PGR TFPVE ILYTK EPESDYLDACLITVMQIHLSE
PAGDILVFLT GQEEIDTCCETLYTRMQALGDLAPELIILPVYSALPSEM QSRI FEPAPPG
SRKCVVATNIAEASLTIDGIYYVDPGFSKQKAFNPKLGMDSLVVTPI SQASARQ RAGRA
GRTGPGKCYRLYTEHAFKTEMLSTNIPEI QRTNLGNVVLQLKAMGINDLLGFDFMDPPP
ATLVGALETLYALGALDEEGLLSRLGRKMAEFPLEPNLSKMLILSVDLSCSEEILTITAM
LSVENPFYRPKDKQS QADMRKAKFHQAEGDHLTLLAVYQGW EAAKFSNPWC FENFIQARS
MRAAQDVRKQLVTIMDRYRLLLIRAGKNHKLICKAITAGFF TNTAKKDPQEGYRTLVDQN
PVYIHPSSALFNKNPEYVIYHELVLTTKEYMRNIMVIDAKWLTE LAPNFYKPADPNKITK
QKRKEKIEPLHDFRNPKDAWRLSRRKG

>comp14974_c0_seq1; 587 484 2415 LEN=3013; translated
MAPPTTPSTSQYTPQQPLRRATYVHVS DLISAYNIDHAQLEKEISRVNEKRTKLRAMSST
AAATGAGKDRIGTGRSDYRSDDSSDGVSAPEEDPDI EDTLGP IAPQKRLQPPRGGFNLCV
LVGNINLVVDKRRVDQSRVRLAEVEIGDE TGTVSFRARDQQIDLLEKVRSEGKPGAVVMR
NCTLELYQGKHIRLAVTKWGLTEYPDNVSSTPPPPS AMNSDRNFSLIDL SVVASEISEK
EHTDSMAYANSTTTTTSGGRQ GKSSLETRTSGSSASSPMASSASSMQGKSGAKNQOQGS
RRGNRSSTGEQRRQNRNPQYGGTKTDK SQPLRSDPMMYRGMQGYHAYGEQGGHMRQHYPP
HAQYAHHPHTRAHSQPQQHQDVASVQFALHQQYEMQQRQLQQLYSREQNRAVGQVPQQPP
PQQTSPMLVNVDP SFDGSEIGNSPVLVPNPEHYSQLPKMEGH SRMQQDAPQGM AHPATAG
YPSLGVMSGYQIGKMNPEATSFAPTYLSAAQGS DSKQHMSYMPYPPQPSYYAMSQQQQQP
PFLGGSVYSLPPSGHHP SLLVPSGVDATHHHMMAQQATSFDALMDQQQETGSGAATATAT
TTSQSHRPRYQQHYVSHYPPAVPPAKESSSSKDKENVT SKPGS

>comp14975_c0_seq1; 643 1 1726 LEN=2036; translated
TECVAESPSKEVYNGNNATRHSITPYSTAPHRKNSTKPDHKTSNALRENAMSSSSSGSGPY
GTGSSASTNRGLARPPPRKSTAAGGEAAGGSTATSAASTTASGPRKTTAATAATAAARS
RRAREAYGRTSRASDGSSTAASSVSGSTGVSSSRGSARRSGAAAVAKGATGTTSLAASGS
SSSTTG TAKDRSARLSGAARKAPVASR PVGSYSSSPAPMAVPTAEGNNPNGSGSGNIYS
NSNTSDENENDAWEDWGS PAKPAADSADPAKTAATTNDWYSAPVTTSSPYTSTGFAASD
QSQQQS QNHQIPMQPGSGFYQPSSAVQQQQQQPLLSGAMDVSAHTMSAGGATTSATTSAG
ATPSFSMFMPSAFAQAPGENAAA SHGNAYAPSI EDEAPLLEELGINVDHILLKMKTVVLP
FSRFGGNQIDPAAICKEADLPGAIALLFLLGGEMVLTGKLRFGYIYVYGLLGCIAMTLVA
NLISPT EAI SFWTVT SIMGYSLLPVN IALVKIFVINLVHLNTLGNILGALTVAWSTMAS
TRLMELGCGLRDQRYLIMYPLLLFYSAFVLMTIF

>comp14976_c0_seq1; 487 227 2206 LEN=2275; translated
MTCSRLLSKAVRKERRCCPLKLISSDLVTGTTTRQGVNNVPLLSTVPTPSSFPPTPAPTSRV
LMKAPLILRHYQNQHHTSSSHEIQIHHQPQHYKIRHQNPATTAHVVEYSYPHLIQQQST
NSGPGCGSHKSSSKTGVV KRVANRRHAHTHATAQGLVARGTNNPPASGWKKP IVSLLGSGS
FSLSSVHSSSSKSSSEAVAKDNASDPEPLFSLPTSASNKPPLPETVGVDM EELMKLASK
KTTPLALKDMYKYAIVDANNREQRIRNAQFLHSEL PVRVAQRAVDLLTLPHGLNEIPAVL
RVAHVYLLYLEKFQECPIPTDVESENKFTDMLQSMVLERSSIPNAIAQGVDAWMKNDTWT
VQGDGDDNNEEDVETREKERKRRVKEMEDALYRFF TARVGLRFLTEHHILSSPTRAAKL
PLGEEKVDEDDSF LGCIEPDCCPTREVRKVVEAVRKQTM EYYGDGVCPEIQIVDGDIAAH
RKELNNFTYVPHHLHYMVGELLKNACRATV KRHIESKSTEKIPPIKIVIVKGAEDVTIKI
ADRGGGIPRSKMSEIWHFAHSTSAQDEIENETDFGVDEITGAAIRGFGLPLARIYARYLG
GELTLKSLEGYGLDAYLHLPRLGNKCENLPHVRFSPSNLTSNPLRSSALRRAQALLK

>comp14977_c0_seq1; 436 100 1802 LEN=1859; translated
MKAGKPSNVR SASKASFDASTNVSHLRAGALNSGETRET TKAPKPLEILTASNSRSLSFPT
SFWE PGVRRDPVLATI QNAHDEISDRGVVIKLNARPSEIRAALKASRAAVKAELEQQKA
DKDKQQSLVKEQQGAYVKMNKIRAEIEAIKQKETKEKGF'TT DNGGWD RGKFS SSSNRMAP
SPQKASESDERGVVNNFKEFRKFSLE RETIRGSTGGKILVSSPNVVSEMQRRTSKNDRSFY
SDQSKSTDHQPSLSTSEVPK VRET PTRSLPMTARRGSTSPIKQRLFLAREGDEKHNLEAQ
RKKLEEAKGYFDEGYQLCWFQDSRRALEQYRKALTVREGLLGKYHDETGXVRI IQYTLI
GKSLSSGHLRRWF SRTLNL LCHLFLFLSRTYYWIGRSLCKLKEHDEALVALSRSLRIFVR
VMVTNQYLTWTEVAIDEVFKTMGATQACHDSFKAGIDASIAHEIKGDDFTKSKKYAQAI
AEYRMAIETIQNLHPDSADLH SKIAIILRGMGEIEKSLEENKSALEIYELSLGPEHPETV
RARNRTL RKKRLNQLSLALEEKLNTGS

>comp14977_c0_seq3; 455 100 1946 LEN=2003; translated
MKAGKPSNVRASASKASFDASTNVSHLRAGALNSGETRETTKAPKPLEILTASNSRSLSFPT
SFWEPGVRRDPVLATIQNAHDEISDRGVVIKLKNARPSEIRAALKASRAAVKAELEQQKA
DKDKQQSLVKEQQGAYVKMNKIRAEIEAIKQKETKEKGF'TT'DNNGWDRGKFSSSNRMAP
SPQKASESDERGVVNNFKEFRKFSLRETIRGSTGGKILVSSPNVVSEMQRRTSKNDRSFY
SDQSKSTDHQPSTLSTSEVPKVRETPTRSLPMTARRGSTSPIKQRLFLAREGDEKHNLEAQ
RKKLEEKAGYFDEGYQLCWKQFQDSRRVSAISFCRGKPCDHNSNFDDSLIEKRCYISFLN
KPFNSNLI LNDFQALEQYRKALTVREGLLGKYHDETGXVRI IQYTLIGKSLSSGHLRRW
FSRTLNLCHLFLFLSRTYYWIGRSLCKLKEHDEALVALSRSLRIFVRVMVTNQKYLWTW
EVAIDEVFKTMGATQACHDSFKAGIDASIAHEIKGDDFTKSKKYAQAI AEYRMAIETIQN
LHPDSADLHSKIAIILRGMGEIEKSLEENKSALEIYELSLGPEHPETVRARNRTL RKKRL
NQLSLALEEKLNTGS

>comp14977_c0_seq4; 236 150 527 LEN=584; translated
MGATQACHDSFKAGIDASIAHEIKGDDFTKSKKYAQAI AEYRMAIETIQNLHPDSADLHS
KIAIILRGMGEIEKSLEENKSALEIYELSLGPEHPETVRARNRTL RKKRLNQLSLALEEK
LNTGS

>comp14977_c0_seq5; 502 100 1689 LEN=1746; translated
MKAGKPSNVRASASKASFDASTNVSHLRAGALNSGETRETTKAPKPLEILTASNSRSLSFPT
SFWEPGVRRDPVLATIQNAHDEISDRGVVIKLKNARPSEIRAALKASRAAVKAELEQQKA
DKDKQQSLVKEQQGAYVKMNKIRAEIEAIKQKETKEKGF'TT'DNNGWDRGKFSSSNRMAP
SPQKASESDERGVVNNFKEFRKFSLRETIRGSTGGKILVSSPNVVSEMQRRTSKNDRSFY
SDQSKSTDHQPSTLSTSEVPKVRETPTRSLPMTARRGSTSPIKQRLFLAREGDEKHNLEAQ
RKKLEEKAGYFDEGYQLCWKQFQDSRRALEQYRKALTVREGLLGKYHDETGRTYYWIGRSL
CKLKEHDEALVALSRSLRIFVRVMVTNQKYLWTWEVAIDEVFKTMGATQACHDSFKAGID
ASIAHEIKGDDFTKSKKYAQAI AEYRMAIETIQNLHPDSADLHSKIAIILRGMGEIEKSL
EENKSALEIYELSLGPEHPETVRARNRTL RKKRLNQLSLALEEKLNTGS

>comp14977_c0_seq6; 521 100 1833 LEN=1890; translated
MKAGKPSNVRASASKASFDASTNVSHLRAGALNSGETRETTKAPKPLEILTASNSRSLSFPT
SFWEPGVRRDPVLATIQNAHDEISDRGVVIKLKNARPSEIRAALKASRAAVKAELEQQKA
DKDKQQSLVKEQQGAYVKMNKIRAEIEAIKQKETKEKGF'TT'DNNGWDRGKFSSSNRMAP
SPQKASESDERGVVNNFKEFRKFSLRETIRGSTGGKILVSSPNVVSEMQRRTSKNDRSFY
SDQSKSTDHQPSTLSTSEVPKVRETPTRSLPMTARRGSTSPIKQRLFLAREGDEKHNLEAQ
RKKLEEKAGYFDEGYQLCWKQFQDSRRVSAISFCRGKPCDHNSNFDDSLIEKRCYISFLN
KPFNSNLI LNDFQALEQYRKALTVREGLLGKYHDETGRTYYWIGRSLCKLKEHDEALVA
LSRSLRIFVRVMVTNQKYLWTWEVAIDEVFKTMGATQACHDSFKAGIDASIAHEIKGDDF
TKSKKYAQAI AEYRMAIETIQNLHPDSADLHSKIAIILRGMGEIEKSLEENKSALEIYEL
SLGPEHPETVRARNRTL RKKRLNQLSLALEEKLNTGS

>comp14978_c0_seq1; 324 510 2136 LEN=2186; translated
MRLGASAPVPLFSLISLLLTRNPSACFWISSLECSGASDPDRNGDRKNRNGDKSVTEHSE
DVGKLVIAATSKENDGDDNAGGNFFGELSTLEDVVRVLKLMVNRGTGYIQPSANVIAD
FEYVVLDMMTIGHRNKNYRGNWKEEKGSTKINNYFNSDGESESGNSFGNGSDLLGSHFPHS
PPRSCDEIDLRLSKDKYLIGTFVDGDNGRKYCVLATTSIAYPWGTVIIDLDPSSDTKNLS
FDCPHPKFDAETGEQGIRLLKGTNARSWVAVGSHRMANNRSLGTCQPQYSHFPSDAAHSV
DSCFLAAVAAIKFYYESIVHEDYTSVQLHGMSKTTCCSIDTFFSHGSCSESI PFKAVAAT
ATTRLNIGNIGDVYMEKIEILRNIATSHPLDQGHVVFASKSSRTGGCELCGTTNIQGRFIN
GVTRTDLCGTAASSYNGRFIHLEQKRDIRRESRAEFWNDVFNTAYPLFSTPPAATTAADG
NDSTESENCNPPPHDERNAELADFI LFSVLVLLFFFETLGPICFGGIQKPYSVLYSSKRYR
M

>comp14979_c0_seq1; 274 259 852 LEN=852; translated
MVPVVPVAHALRFDLGLPGIGSVSYRDGLLRIPSEQKVSQPLSSEASAADQSLWLKVPD
RAFLGPSAAADWNAEGGVSIEHRLTADKGYGAFLAPSQDPLPPGTFLGLYEGELLSSRSD
LDGLHASRRQAANKPDI VGDYVMSLDGGGHFLDGYDLRYDPTNEESFPFTPAHLNHASRD
TPGCNVVRRLLVYVPDDL R

>comp14979_c0_seq2; 203 1 733 LEN=1363; minus strand; translated
XYENRNAKNLGAIEVPLSSVDIESQEVIKQDDCGDESGVVQSSRATGIQCDLNILNEKTD
LES DLHLRDEDPHTVLAPGSAEPPSIVDESNIDSSDHTTASCIICFEDLKVGETFVWSES
NP IRNHTSGDIGNNGNRDGHGCSHVFKTCMVRYLASNARRSVRKLHSAFRSSSGRGGNL
TADNPDLLVGLDNPCPICRRRFFCTLSQEDATDVLPIEPPHRLSSPFPCIASPTVQDPSST
ILVE

>comp14979_c0_seq3; 203 1 733 LEN=1486; minus strand; translated

XYENRNAKLNLAIEVPLSSVDIESQEVIKQDDCGDESGVVQSSRATGIQCDLNILNEKTD
LESIDLHLRDEDPHTVLAPGSAEPPSIVDESNISSDHTTASCIICFEDLVKGETFVWSES
NPIRNHTSGDIGNNGNRDGHGCSHVFKTCMVRYLASNARRSVRKLHSAFRSSSGRGGNL
TADNPDLLVGLDNPCPICRRRFCTLSQEDATDVLPPIEPPHRLSSPFPCIASPTVQDPSST
ILVE

>comp14979_c0_seq4; 279 235 828 LEN=828; translated
MAPVVPVAHALRFDLGLPGIGSVSYRDGLLRKIPSEQKVSQPLSSEASAADQSLWKVDP
RAFLGPSAAADWNAEGGVSIEHRLTADKGYGAFLAPSQDPLPPGTFGLGLYECELLSSRS
LDGLHASRRQAANKNPDIVGDYVMSLDGGGHFLDGYDLRYDPTNEESFPFTPAPHLNHASR
TPGCNVVRRLLVYVPDDL

>comp14980_c0_seq1; 617 105 1835 LEN=2344; translated
MKTLELPRSSTGSSVRNCQRRNRSPLEVFLSGFILVGFVVTQLHSGPGGSGIIRSTAAG
ATASTSNLPYEKLARIVQNKVDADARDRDPPIISRLTRVLSKLANQQTFFKGLDGAHE
AYQRTHSADDVHDVSVS GRAQRSAARLA AVAEALYACELVEVAERPELVWGEEGDEVLR
EKEVVLNNTLAASDEAGRRSGDEKDLSSVLVIYEPLYNGGIGLEHGTIQSLTRPAETA
PGRGRLLVVLGDSSSLTVPQKIEILDETPKKIKLSSGLVTNEVASVQPTLYKKAGKLLTL
LEPQLRQYNASAVHFVGHSLAGGVASLAATIFDGSIPMPKKRSKGRASGSKGKRKKKPA
SGEEELPDDSPNDDGSEGGSEGEPEGGEDSEEDDVPLEPLNGLGRARASALTGSPCLSS
NVVAAAYCTSFVYGDILCRTTKESIGRLVKRIERNLHSGFIGKQLGWVSDTMSMTVSGLQ
SHAHGSEGEKLAIPGRAYLVRPRRLGCICSIHEVGNLKKGGREALRESLLWSMHDVLL
SMSMLKHHRLSEYIQGLDRTQLRGVADDEMQPVDLA

>comp14981_c0_seq1; 822 474 2267 LEN=2672; translated
MNTSIPGNENAVTDSDSNEKMDKINDNDNDHRSLSLDSLQRKKKAEEAEFTHENHTSS
LTLTSCDGDFFEEKIWSRDNNNRNSNNRQERRASQLSDITYESDDQQGVSDLDAQTTD
DQHIASDFDAQTTDDQQTSDFDAHTMDSNDSSWADNYSALLHTASLMGGQRFSLNETSK
AGIEDGQRPANTAAPVIPRRRVSVNINQRGMTAADINTSTENDGRTVTKANAAAPTIPQR
SSSHTSKLSSNKYQASKSNSFDSASFADNMIFDGRDYNMGDTASFAEDAVSIGGRSSK
SIASGTNQDINTITTKTALSATTNSESTINVTALHIENENEHYQYRRSSNGGSHRDLVA
GNLSVDPPIAPARRASRSLPCPTEDEESREASTKDAQQLFLSHCRIDDSNDDSYISR
RNACLSSSSTNASPRVKNNKPEIPLRTDLDSPWPNFNPMSRIYPEENINEPPTCPIRKY
SSHKSNLPAATNTRFSNRHSFSTISASISQSSNQPPALPKRRSSDSTPCKNLPLLESPPSS
TTVTHSMHPSSSQTLIVQDEISNQAPTIPMRKDSNSTCKLSKNNSMESSASRTEV

>comp14982_c0_seq1; 860 65 2461 LEN=2541; translated
MTSIMKRNSIINQDDQRLVEEFASLASVANPADEKAVRRASRASLQFFQRETSKREIASD
LPVAPAPRRTSRNSFIQDQGVQDEYIQKRALNKPTTKLEDKIPVLADLTEAESITRV
DGNVLAQMFVSGYAKLNANVEYLNKINVFPIADGDTGANMKVCKLPSRNLDDPSPSVL
RVASNMAADVLLNGQNSGTILSHFYVSLAEERDFPAATFYESLSIDEFAACLASTGRK
MAEAVPNPVEGTLSSVARDSCSKLMDEAEQKMNEEDCEPKYANLKDILLEIWNLAQSEL
QKTPDQLVVDGKVKVLEKAGVVDGSAQGFVYTIIEGMWLASKGELPEASDPTLFKTAVKRSG
EASFEGFVDDHSICDTRYQFCTEAVVLLKEGVTKEQVMEVINEECKESCDGCEKDPGDS
VVCVGAPEKEGGNMLKIHITNDPETFFSKLKTFSRDPVLKKEKVEDMKIMREIEHESNS
AVDLENAKFNIIIGLSSMLPPTVKAVNSDLMNTFPMFLVPQDTNEPIDIRYSTDTEALVA
LNQQRNPSTAMRYTTATSSPMQMKIELLAALAKGKPVLCFVFTDKKLSAFGRNVQLAVE
MLDSQKQKMFVHGWGHDGPFLEAIKCAKEGKTIDEAIEACEDVAQRTYSKVGFMDC
DMFRKMKAWRPALFPDGFDIPEGHHMLSGPPSKIRPDGIAIEKRTQLMMAPIGMGSSRED
AFEKAAKHIDGLAPGQKLGVMIPCVGRPDYGHLMVQKMEEGAGIEFTPEPPYVFNEGIIA
VIMGSWGSINIMYKVVVEE

>comp14983_c0_seq1; 2869 1 7610 LEN=7807; translated
XDDDDVNEEESDGRKRGRKGNKNQKSPSTNGKNKKESLIEYEYLVKYKNLSHMHLEW
KSGADLES MNKSAKTYMRYRLKKAQGGDDDIESPDPFDPFVVVQKVLAEQEELELEVQ
GEELLKWEWEREKELAEEDLSEEREREEEEQRQEEEARKKASETAGEGENTVAGAEKAN
KDKDLQADTKNETQKLSNDEEEKKDDALDDWRKEDIDFSQLTLEKLLKIVDLDEAYPKI
EGCDNPYRDGYITEPPKKPRASYLFFQCTMRAYFSMRNP NATNSELMTILGEQWASMSEE
KGQGPFL ELAKEEYKQYEKERALLERAQRPNEMWQP IRRCKMVLERLSQDGFANIFLEPV
NLDDFPDYEDVIDFPMDLQTVRRKLETRKYQMP EQFARDMRKIWNCKIYNRHGSAIWHV
ADYMSKQFERLYHAWVQFRERYLRWANPRARPWEHTCRQHDGKCNTKDEDLVLCDHCD
AYGYKCLKPPLEKLP SGVWHCPDCAKLR SVRGVQMMSAVSEQAVRKRAELGEIPTRKVK
KTMYLKWKWAGLGYEFCTWETKEDIGNPELIAEFRKLN DIVSEEPFITENAVSKVLEETE
HINPKNAGGSTCIPDLRTRLYSQTRAFQFVKFGLDVPKNVAAECGPVLKASHQLSLVDKKT
PYHSKEIQLCLNELVERVALKGTLPVMVKLDP SLPPCLTGEYDVVVPITAKGLMMNVGEI

HGSVAFLGYRQFPDGSKGAELNLIIRGTGDKIIAVDGVSTVNKTFKDVI GMLRVAGKNK
YSVMRFLESQYANIDNDLTSYGKRGFRFTIETLSNKFSTDRKRLLVQRYIHAENESKEEGE
KEAIDGEEDEDESEGEFQPESEDEADQDEVLNRTTDL SKEMKLETDEDFKTGKSDAPPAT
PEKSETKVMVQTEEEKAPPNGNGTTEQPDVVPNSPINADASAEESKMELMSPSGLPPVK
TAESLVR IHSENTHSLAYRMLNIDVGYSSDEAGDEDGAFYIDGLDNTFTSEKEVRKYLNI
VTPEKEENPDEDGEDNEDAVEESLVPVRRNDFSSLGDRRKL LVSVAVSSSAPDPEDCDEN
FPFP SKS I KAKEAAKEAEAKKADEAIAPGSPEKLLKRS AVKLEQISPD TSEVLNIWAN
VESAAATLQLPLNEIKRVL RGD LGEDF SDEVGGYRWQYAAAGAVVTAGETTRKGSKKRKE
AWNEFRDRLYDPSEPHNYKNNR LRDYQVEGVNWLSSTFYRKTGCILADEMGLGKTVQIV
TYLEHLFRVEKIRGPFLLVVVPLSTVEHWRREFEGWTD MVCCVYHDRQRQWRDVLREYEWY
YEDKPRNAEFLKFHVLVTTYD TLI GDFDVI GQIPFRVAVVDEAHLRNQK GKLL ECKMEI
SAKGT LQHGYQSRVLM SGTPLQNDL TELW TLLNFIEP FKF PDIDNFMQHFGNMKSKEQVE
NLQQQISPFMLRRVKEDVAKDIPAKEETVIDVELTSIQKQYYRAIFEHNHAF LNMGATRV
TAPKLMNIQ MELRKVCNHPCLLEGVEHREQDR LFKEFLEAGKFEGKSPDEQQYMMNENLQ
VQTS GKMVLM DKL LPKLRQEGHKILVFSQMVKMLDLI SEYCEFRFPYERLDGRV RGTDR
QKSIDRFNKDPSAFLFL LSTRAGGVGINLTAADICII FDS DWN PQNDVQAQARCHRIGQT
KDVRIYRLVTSRTFEQEMFDRASKKLGLEQAVLGSFGQDEDDDKPNSKEMEELLKRGAYA
LLEDDEKVKQFCADDIDSILATRTRTRVVEGAKTASWLNKQGMVVS KSKFTSDSKSAGL
DMDDPLFWQKVPDFVTPMLMTQQQLQDLSHEILGT VKKVGRGRGRWKKKYEEEEKAKKEE
EAKKRDEDMQSSNPESEDPVKEDDAVADISKADEVPVNDEGSGVENNDEGDG VKNFQLT
KTQKRKVAKFMSDLKSMMEGLFDEAEDDNLAGEEKAAAQK LLLTVSMKEKLFNEDQRHYA
LITLKRLEGDRRRRCRTGDPGGRSTPRKQIFDDDSVQIREELRIVSSKKVKRRRRKGGGD
DDNERKRRKSSAIGDDGYKVHSDDEAEWSDVDDSVYGGK GK KLTISRKEANRRRQWAAE
GDAAVAAGRWPALPRTEVSKVLKTL L DAVLKHDEEKGGIFSVVPV PREEFPEYYEQVKNP
MDYGTMKKLEND EYRSAQSMQKDFRLVMQNCLQFNAYESEICQEARQQALLRPGQLRAA
AMANDLFLAEDGTVLQIVDEKNAATPVKKRKRRTKEEMRRDAEAAAAEKEKKKAKKVVND
EDTIDLVEEDDVLPTSMKKKPRIKINLRNPVPDDDEEMNVISSDEKSKRKKAPVSRQK
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S

>comp14988_c2_seq2; 427 1004 2809 LEN=2970; translated
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>comp14989_c0_seq1; 1188 82 3537 LEN=3698; translated
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>comp14989_c0_seq2; 118 1 216 LEN=377; translated

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>comp14991_c0_seq1; 440 268 1971 LEN=2615; translated
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>comp14991_c0_seq2; 389 268 2051 LEN=2695; translated
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>comp14991_c0_seq3; 436 268 1959 LEN=2603; translated
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>comp14992_c0_seq1; 563 85 1707 LEN=1904; translated
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>comp14992_c1_seq1; 232 65 517 LEN=1055; translated
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>comp14993_c0_seq1; 1323 63 3398 LEN=3452; translated
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>comp14995_c0_seq2; 428 307 1959 LEN=2089; translated
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>comp14998_c0_seq1; 601 122 2740 LEN=3000; translated
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>comp15001_c0_seq2; 659 76 1986 LEN=2501; translated
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>comp15001_c1_seq2; 217 172 590 LEN=590; translated
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>comp15002_c1_seq1; 177 339 797 LEN=1725; translated
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>comp15002_c1_seq2; 177 339 797 LEN=1704; translated
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>comp15003_c0_seq2; 1589 158 5197 LEN=5291; translated
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>comp15004_c0_seq1; 544 234 1517 LEN=1683; translated
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>comp15007_c0_seq1; 969 294 3351 LEN=3351; minus strand; translated
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>comp15008_c0_seq1; 817 132 2351 LEN=2779; translated
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>comp15012_c0_seq1; 1774 293 4552 LEN=4728; translated
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DGI EVEYDGNFAYCPTTESTHDDAETDTTETETETETETETEKEIENEIENENENENEN
EVESQFTQEMKETVKDSSPDEAELEPTEETQEVGESFEEKAEDIKTDPIIQLEECAAISN
SADASVVEDEKTSPEEPSDTDAIPSLPTEATWSFDSTLKRRTSKKKTRVAKPNIFFPGF
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QWGYLPIHCACASGASDDVILALLEAYPESIQSFGDDNMFPLHLACKKEASASIIKQLVT
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KWLFERQKILEKNLNLAAAFGCVHEMQIQLDEKTNLVNESEKLLERSRQQVAKECGKSK
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EKENQLKLNQQAVKELEESIARKKALEREVEVERTTKLAGTRASSRAAIEIEEEQIKELDF
TIARKQALIELEKMKEKTLQQTIAKKQELIDTEVKRIKELEAIVA EKQIHLTLERSAIQS
LKTAKAEKRELLVAERNVTIELQKVRENEKILNSKLKAQELIKSDVEVREALLASKQAV
IDSVKAAQVRLDEEIKNQEDAAAAL EKQITKKKTLITKEEYVEKCLKQFVLRKNEIMPNG
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VPSISLSSVPSLSSVATGPRSLMARLSFGIKLNINLNDK
>comp15013_c0_seq1; 371 410 1717 LEN=2223; translated
MAISKTSRRCALLSTMAAISPGSCLAEAEASPLPQPEAYQQR LVDWIRSGENGFFHPSV
WKRLGPDGKSGPYAMHTTVDIPKGEKLLVVRSHITIDSLKTHENCFTIARMLDEYEKGGD
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TVFEDCGTNFRSQHPDGEIEDETLRRAEDAYYFMLSRSWADKLI PVLDMYNHRNGASKN
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ELYPRRWE LGPTNHEIVA EVDEDELETGEKEFKWIFQKPTSTALRWI SNHLERLQSMEEEE
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>comp15013_c0_seq2; 375 199 1284 LEN=1857; translated

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>comp15013_c0_seq3; 375 166 1251 LEN=1824; translated
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HPNANSNDGDDQTSGDSSTRWQNFARTKLAPELLYPNICSSSLGDSFRAFRYVHNSPNNSFST
VQRFISIQCIGSVAMYFAASKIKEKYKIDDVKVALDDALEELEESELTNEGKKFLRSPPTGP
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>comp15014_c0_seq1; 846 1 2772 LEN=2880; translated
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GDDNNNNETNSDSGKEEEEIKKSSQPVADVDKRAVQTIANETGIYAYLTKQIEMVMDALT
LTVIDFQLTVEMPSPTMIDSLILGKGVTVFEDPRETGNIIEVELEPQEPSAKENNGDGD
DDYTVSIVVGGNEINMVSLSGRYHGDKDEQLKEDICLSSLFINVETFHKTNSTVSSGNET
LTPTRRIVCKTYPLLPFSYGFVTRTNGKRFDGIGRQVVEGGQPQAAIPINNIASDTT
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LAGFVKSMESKLVNVSININIMDIPTATQEV DVIRNFALS LDNMAISGGYSTHDWIKTFS
VVKRPRSKKKSKANDNKQKQYLNIPYASVAPLKRITYNAMSVMSIKETAFLVRAYKGN
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VVGVDVAVRGSIEAGKRSRMAKEGEVANVGDFFRGIGYSAVEATQKGLRGGCQYKGN
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>comp15015_c0_seq1; 666 376 2478 LEN=2804; translated
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PLNYDFALCKLDYPVSINTTFVTLELNEERAIPI SIGTDLIVMGLGTL SMGGYSPQIVHNA
TVPIYIDTPACNAMFSQDDDVVTDAMLCAGFEEGKDKTCQGDSSGPIVKRTYNGDGTFS
DAHVGVSWSWEGECAMPNRPVYARTSERASWIKSTICGTLNSVASFCEERSEQTPNVCTTGE
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DGFNGTYSFLLNGETIGSGTGTDFDKSKTETICTTGGS LAPAASPTISHTPPFVGI VSP
IPPTVAPTSDDSPITLPTVIVPPDQWLTNAPDSFRLVPTNVPTIIDSDDYLSPTIQPSV
PPEQWLTNAPDSFRPVPTNVPTLIDDLSPITFPVTVQPDQGP TIAPNSIVLGPTNAPT
FVVDLDDYLSPTTFAPTDTILETTFPSESPTRLRTNAPTNPSPDPPTNTPTDLPSTVPTIM
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>comp15015_c0_seq2; 466 376 1895 LEN=1895; translated
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TVPIYIDTPACNAMFSQDDDVVTDAMLCAGFEEGKDKTCQGDSSGPIVKRTYNGDGTFS
DAHVGVSWSWEGECAMPNRPVYARTSERASWIKSTICGTLNSVASFCEERSEQTPNVCTTGE
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DGFNGTYSFLLNGETIGSGTGTDFDKSKTETICTTGGS LAPAASPTISHTPPFVGI VSP
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>comp15016_c0_seq2; 617 1 1621 LEN=1621; translated
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PGYTQDDTRRRRLAPPTIVPFAGEKRTL VVRLTMADAMYLESSRGGPALSEHDVRKHVYEN
PVSLKRKYEECSYNKTKIVPFDGTTESNARVQGGVATIELPRHSDEIQQEIDELSGAVP

RAKLVRYAREAEESELGDLEKQDFVFLFCLPEGVTGFLALAILNRFDSYYTSPWCTRPSF
QLHEAGHSIGMDHAGEEGVYDDKVGVMGFSYNNVDGSPMCFNPSNNYYLGWYEEQADWYD
PLSDVSPQGRKFLMVGVDYDPTKTVAKINHSCRHPVTVSELVVLQLHQTDDEDTDFYIGY
NRNTGINSGTSENINEVLILQRMGLANQSATTKKIATLKLVDIHEIRDFNGEXRALRLC
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X

>comp15016_c0_seq4; 104 98 450 LEN=450; minus strand; translated
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PAQVAGHQWAPTFFFIHDLRQRFSGFFPTQVQSRLGLPFHKSARSTGASGSIGAGFS

>comp15016_c0_seq5; 689 1 1890 LEN=1962; translated
GTGEDHEQKEEKSEDFILLGAIEGADDPNPEKTWACQFDKQYALEVLGLSDPLVDLIG
VPLADFGTLEDSTITNDFLSRRNRHVESGKTIMTFKNAIDRKNNTMYVDLPSTKLET
PGYTQDDTRRRRLAPPTIVPFAGEKRTLTVVRLTMADAMYLESSRGGPALSEHDVRKHVYEN
PVSLKRKYEECSYNKTKIVPFDGTTESNARVQGGVATIELPRHSDEIQQEIDELSGAVP
RAKLVRYAREAEESELGDLEKQDFVFLFCLPEGVTGFLALAILNRFDSYYTSPWCTRPSF
QLHEAGHSIGMDHAGEEGVYDDKVGVMGFSYNNVDGSPMCFNPSNNYYLGWYEEQADWYD
PLSDVSPQGRKFLMVGVDYDPTKTVAKINHSCRHPVTVSELVVLQLHQTDDEDTDFYIGY
NRNTGINSGTSENINEVLILQRMGLANQSATTKKIATLKLVDIHEIRDFNGESGRSVYV
SFESLAPNGTGVVVRVSREKPAPIEKPAIDPDAPVDRADFLWKGNPNRDCTVWGKKPEN
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>comp15017_c0_seq1; 133 278 743 LEN=761; minus strand; translated
MYLVELRVIIVREFCTVGSRAKALGIFDPGTFDHDLSLKMEEFFVEMRRTKYMFYIGFDT
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PLVPAPVDRPQGGLGGVSGPRQVEPDSKPPYQQ

>comp15017_c0_seq2; 390 714 1769 LEN=2242; translated
MVAANCSLVMRYAYCLAAIAWISSPTVGSMSKVPASVAHKGRGLMRPKRQQQPQRRQEQ
QRESHRGPLGFSLRSSTREDLGEGTISDSLGMVAATGNRDTGDENENEDKDDPAKAAAGE
TSNDNSGSSDEVVIALLERDGAALDSLPPGRELASARWRRRKQVAAGLVASIATTAWIAS
EGWLPGPAGGGAYTLAMIARDAGMAGLTSVLAVALNRGITTFFERGAYGSKTARKLTHIL
SAPLFIATWPFSSDAAGARVFAGLVCLTNMLRLYLGTGDAESSLARTIYRSGDKREVM
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>comp15017_c0_seq3; 118 1 348 LEN=1150; translated
FPGVVAMTTMAAGDGMADVGRRFGRKGYKWPFSDEKESLAGTAGFFAFALAGNLAVCSW
LAANGCLETSLGLPALALRIAGLSAACAVVEVLPVGGDDNYTVPGTAALLAALWLR

>comp15017_c0_seq4; 118 1 348 LEN=1125; translated
FPGVVAMTTMAAGDGMADVGRRFGRKGYKWPFSDEKESLAGTAGFFAFALAGNLAVCSW
LAANGCLETSLGLPALALRIAGLSAACAVVEVLPVGGDDNYTVPGTAALLAALWLR

>comp15018_c0_seq1; 176 1 980 LEN=1540; translated
XCARRWFSVKELSWCAPKGSPTRRPARYRGSEDKDDRSDAATKANQTLRDPRETPPSS
KALPIGAFGIVAAVCRPAYGTERTNSSGIIGVNGRLPWGSLPRDRALFERLTRNRLVVG
RRTLLDERDGDALDHVRHAKHCIVVSGSISCTESDPRIARHREEHGLGVEVAGSLDEALCI
ARTLAAKDDEERRGGTDDPGGRGAPTFRASDNGKGEEPIEPPMGVSLSTDSIPCWVAGG
ERLYEEALKHGSALHLHLSVVD FEVDLTAPAVKKVARFPAKYRWDHNYEAVAETLFPNH
GDAGQESAKEPGFAYRVYNRILRKKP

>comp15018_c0_seq3; 168 1 1004 LEN=1564; translated
XCARRWFSVKELSWCAPKGSPTRRPARYRGSEDKDDRSDGICVSGPTEAATKANQTLRDP
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RNRILVVGRRLLDERDGDALDHVRHAKHCIVVSGSISCTESDPRIARHREEHGLGVEVAG
SLDEALCIARTLAAKDDEERRGGTDDPGGRGAPTFRASDNGKGEEPIEPPMGVSLSTDS
IPCWVAGGERLYEEALKHGSALHLHLSVVD FEVDLTAPAVKKVARFPAKYRWDHNYEAVA
ETLFPNHGDAGQESAKEPGFAYRVYNRILRKKP

>comp15019_c0_seq1; 1021 137 2854 LEN=2994; translated
MIGCPSIAIVSFWNLLVSSANGFLPLTISKNDGSTSFANTDSGCITFNREAPVRRQFGI
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QRKPSRRESSSTTPLFLSNRQRERYGVADMLGPSSLSPIAKSFEEVQSEYALVEEATLLL
SPNRNEIDSSGCLTYPPLYGDSEGFDIHVASQTDDDEWFLPSEEYTAENILQAEQVIK
RLLIIREWSQQETMKTWAPTLAQMGSTIDEDDENTLSQVYDDIAGTIEIVRIKSLTSSSG
KSSFVVRDDAFVPLRLLREKEQKLLDNGGKELDKDLVAIRAEIEGTTFQIVSSQAQKV
VSVSKSIDQGLNIAARLDIIMAKAAYGMSLNGIVPFVNTNGEIAIENFLHPILLRTIEDR

DRVVPIDLRSSDTGERALVISGPNNGGKTLMSKSFGLVSIILTTLGIPIPVKEGSARPRV
DYFDEIFVNVGDQQSVLDGESTWTSILNSCALMLKRIGEQRREEGEDPSHLVLLDELGTGT
DPESSGAVAQAVLEEMIEKSCKVVVTTHLPRLKALSYNDERIGCAAVLLDYSDSSTFRRP
SFKLEYGLIGESHALGAASRCVPSLPESVLSRAADLMNDTNETEEDGTHKSYIQALTKSM
EDQLERSMATSSIEEDAIDSSRCREAMVSLARSYEVHLDRRLDSLESTFQKLREKKLSD
YELVGTTLAELKAVKKKIISQEEELAAGLQVLPVSYTLSPGESVIIISKDEWEGMTAKV
ISDGSTGASSLGNQVLRPFSFLHAWDDVILNSNIEPMAERSLILQRQDIAIWQLDSIY
DDNAYQSKPATSI SNSKQKVNSLLSTLDSVSKSRPKKAVKKNQAGKKKFQSSRQRKAAN
KAKKR

>comp15020_c0_seq1; 830 185 2413 LEN=2606; translated
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KSKETKQLRKSSGKQKTEAIAPLALDPAETNRTAHSIEPMRVVESTPSQGNFPHIASYQ
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EQREALQQMLQRQQQEELMKAVSIPMFQEDSELSASQIDKTVFSSDSIAPQAATKNE
SHVLPASASSDPNIATKAEVDDVGKRPPSDPLAQTEVSQVISSNALIGTDDSVHRSSPEKE
KDNKEGKEKHAVDDENENTEPITSA LGIEEHSEPSQNAVENEEKMESTKQKMNWRQTSVA
VIVALLAIVFFQIVPAPNTDVSQIPDENSTDSKEMLCYDFDFPESEVDVPCLLDGNEGVEC
PERGVCENGYFVGCNVQFENRSDQGDKCVLNEIDLKRAITNQLMRQASQICDQTSKPKFKY
SMLQEIDSAIPETNDDVQKVLREVGFVVEEREDGLYVALPEDFNMSLPIHCAIGNIGQWF
LEKLGILLILGLFGSACSFAYAYKLSLAFATLFLCGMKYHDHLATKARRQEDVKRTRALA
YKTLLEESPAVEHWAIHIRDEIALALYPDSKLRLLTLRKDVWPKIVDDVKRDIRKQCQL
NEDGNVWDKWQTAVAKSSSES

>comp15021_c0_seq1; 256 204 1424 LEN=1933; translated
MTLEAYDWRLGMQILEERDSYFTHLKNRIEAYHKSAGKKVITVHSMGAIVVHFFFAWVT
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IPRKARRDLYHTWGLWAMPLPKGGDALWSIGADDFSETQSCDGS DGACPWYQHEIEKNL FV
MSSEKTEDDAPNHPHICNRNDLIDKKSESTVN LALQQLASGIGHTTQSIIDFLLTWGGGF
GPGTSPAKLYSFHQSPREKLSGRTWHDVTQTPLPYAPKMKIYCLYGVGVETERAYFYKRN
PGEHGLFAQDNSSDNGKKNQT IADPPFIMDTSIEDPNLGI VHGIKYTDGDG SVPLLSLG
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>comp15021_c0_seq2; 308 282 2561 LEN=2780; translated
MNVLQGQYGSNVIKRARSLSL MITRIAADGEASKVVIYSSLDEQSIGSSQSTTEDNVQ
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QRLEL FENRMLDTLEMARYMAPNFNETLFWRRMNSTSLDREEIAMTATTNQM RPFQLA
QKVGAKGQYPVVMVPGFVTSGL EVWKGKSCMQNLFRRERVWGLSSAQYWL RERFCIMENL
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RGGGGGKKWVDEHIHAYVSIAGAHLGVPKAASALMSGEISDMVFMGGMGSVLERFIPRK
ARRDLYHTWGLWAMPLPKGGDALWSIGADDFSETQSCDGS DGACPWYQHEIEKNL FVMSSE
KTEDDAPNHPHICNRNDLIDKKSESTVN LALQQLASGIGHTTQSIIDFLLTWGGGF
GPGTSPAKLYSFHQSPREKLSGRTWHDVTQTPLPYAPKMKIYCLYGVGVETERAYFYKRN
PGEHGLFAQDNSSDNGKKNQT IADPPFIMDTSIEDPNLGI VHGIKYTDGDG SVPLLSLG
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>comp15021_c0_seq3; 286 204 1595 LEN=1814; translated
MTLEAYDWRLGMQILEERDSYFTHLKNRIEAYHKSAGKKVITVHSMGAIVVHFFFAWVT
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IPRKARRDLYHTWGLWAMPLPKGGDALWSIGADDFSETQSCDGS DGACPWYQHEIEKNL FV
MSSEKTEDDAPNHPHICNRNDLIDKKSESTVN LALQQLASGIGHTTQSIIDFLLTWGGGF
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PGEHGLFAQDNSSDNGKKNQT IADPPFIMDTSIEDPNLGI VHGIKYTDGDG SVPLLSLG
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>comp15021_c0_seq4; 278 282 2390 LEN=2899; translated
MNVLQGQYGSNVIKRARSLSL MITRIAADGEASKVVIYSSLDEQSIGSSQSTTEDNVQ
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QRLEL FENRMLDTLEMARYMAPNFNETLFWRRMNSTSLDREEIAMTATTNQM RPFQLA
QKVGAKGQYPVVMVPGFVTSGL EVWKGKSCMQNLFRRERVWGLSSAQYWL RERFCIMENL
ALDPFTGGDPEGIKLRSSQGFSAADFFVGS DMMWGNVWWSKILENLADLDYDTNSMTLE

AYDWRLGMQILEERDSYFTHLKNRIEAYHKSAGKKV IITVHSMGAI VVHFFFAWVTEPKR
RGGGGGKKWVDEHIHAYVSIAGAH LGVPKAASALMSGEISDMVFMGGMGSVLERFI PRK
ARRDLYHTWGS LWAMPLPKGGDALWSIGAD FSETQSCDGS DGACPWYQHEIEKNL FVMSSE
KTEDDAPNHP IHCNRNDLIDKKSESTVNLALQQLASG IGH TTQSIIDFL LLTWGGGFGP GT
SPAKLYSFHQSPREKLSGRTWHDVTQTPLPYAPKMKIYCLYGVGVETERAYFYKRNPGEH
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GPWRDKTSGMNP SGSKVITREYNHRTEFLADDPLRKGPHSGE

>comp15021_c0_seq5; 186 282 1580 LEN=1626; translated
MNVLQGGYGSNVIKRARSLPSLSMITRIAADGEASKVVIYSS LDEQSIGSSQSTTEDNVQ
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QRLELFENRMLDTLEMARYMAPNFNETLFWRRMNSTSLDREEIAMTATTN QKMRPGFQLA
QKVGAKGQYPVVMVPGFVTSGLLEVWKGKSCMQNLFRERVWGLSSAQYWL RERFCIMENL
ALDPFTGGDPEGIKLRSSQGFSAADFFVGS DMMWGN YWVWSKILENLADLDYDTNSMTLE
AYDWRLGMQILEERDSYFTHLKNRIEAYHKSAGKKV IITVHSMGAI VVHFFFAWVTEPKR
RGGGGGKKWVDEHIHAYVSIAGAH LGVPKAASALMSGEISDMVFMGGMGSVLERFI PRK
ARRDLYHTWGS LW

>comp15021_c0_seq6; 164 204 614 LEN=660; translated
MTLEAYDWRLGMQILEERDSYFTHLKNRIEAYHKSAGKKV IITVHSMGAI VVHFFFAWVT
EPKRRGGGGGKKWVDEHIHAYVSIAGAH LGVPKAASALMSGEISDMVFMGGMGSVLERFI
IPRKARRDLYHTWGS LW

>comp15022_c0_seq3; 556 1 2155 LEN=2246; translated
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GSRSA YVEDDQESSHSHKYKYDPEKELAVARPVPLDDD LERNIHVYNKLDVKQVATPAF
EYDPGDLGDKKSCRRYALLLGGCAML LIASIVLLVLFVLPKVGLRASDKESNLPPSVA
PTVSPTAFSQETLVREYLAQKVSPRVLVEGTPE SMAADWILYRDLYRSGLDNVEALVQRF
ALSVLYFASTENGARPWRS CNPPPSALASSGEP IANATD TDSTERN TCTFLFRVQVGTSI
QYQEVPGRIRWMSDYDECEWEGVECL ENRVQ TISLFG RGLGGNLDLRLEGDN GNNGNAGD
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KQAVLSGERVPIIMSDFHFNIMKETNGTAWIGKYIGGF EKAIVEDTTYENAASQPYAARW
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FERWEEGIAKEGLPLATSYPWHVGESYKVI RQNL RTHITTPKDGKKDNARSECEKLI PWLP
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IDVHAI AIAIATTSVPPDL DHTWIEE DSAGDLTNAGDLPESTEAPPPTRRWLREASELGFRK
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>comp15027_c0_seq4; 856 210 3152 LEN=3391; translated
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EYVARFLDEAKKLVHRVKEGIYAEYGWPTKGKEGDKDYLEKKERVVKLHISDCSGESSGS
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IDVHAI AIAIATTSVPPDL DHTWIEE DSAGDLPESTEAPPPTRRWLREASELGFRKAAKLF
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>comp15028_c0_seq1; 361 181 1530 LEN=1635; translated
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>comp15029_c0_seq1; 295 160 765 LEN=1686; translated
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>comp15029_c0_seq3; 295 160 765 LEN=1584; translated
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>comp15029_c0_seq4; 295 160 765 LEN=1568; translated
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IKKVDKDGVSVVSFGEDPADT

>comp15029_c0_seq5; 1020 70 2943 LEN=4459; translated
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>comp15030_c0_seq1; 867 510 2684 LEN=2855; translated
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KTAP

>comp15031_c0_seq1; 531 1 1902 LEN=2351; translated
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RGYVNGATEVFEMMKKDHRTGNKNAEPNIRTYNILMDAWSKSTQKDAPIKSRNINLTVVN
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>comp15032_c0_seq1; 726 1 1572 LEN=1982; translated
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>comp15032_c0_seq2; 994 328 2744 LEN=3154; translated
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VGTLRCNLSLVAGMICMTGGEILVESVKQLSDSADSALQSEIQEILNELDDDDVICTTSVR
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KPYLEISPRMDDYEHDESAFAKLAFEFKDRDSDGKLTIDELKLGERTLNIQLSDERVQ
LLEEFVNDKGYLDLEEMVTIDEFRSKIEAFSREGAANAQNTMPSTSYIEQQVRNQAQLM
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>comp15032_c0_seq3; 706 1 1772 LEN=2182; translated
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SASTQAAGAAVQIPGPLALLMAGASIFSKEWLFTRITKQVGERLRSPVVIANAWHHRSDA
YSSVLALLSIAWAMMGFPAADAAAGMYVAGPNADAVAAQRKAAQRDTRSRKHSIRVRL
SLFGTLFSSLCFSQSPRVCLSXLVDVGTLRCNLSLVAGMICMTGGEILVESVKQLSDSADS
ALQSEIQEILNELDDDDVICTTSVRARQMGAASVDIVVEIPSVLSTTATS SAVEERVRQ
LLGELAKRRGNSNRGSSAGIIATVSAKPYLEISPRMDDYEHDESAFAKLAFEFKDRDSDGK
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AANAQNTMPSTSYIEQQVRNQAQLMYPRVRNVEGVTVHYTSQNSVTVDVNIRSSSTVLET
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>comp15032_c0_seq4; 1014 328 2544 LEN=2954; translated
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SIFSKEWLFTRITKQVGERLRSPVVIANAWHHRSDAYSSVLALLSIAWAMMGFPAADAAAG
ILVAGMICMTGGEILVESVKQLSDSADSALQSEIQEILNELDDDDVICTTSVRARQMGA
ASVDIVVEIPSVLSTTATS SAVEERVRQRLLGELAKRRGNSNRGSSAGIIATVSAKPYLEIS
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>comp15033_c0_seq1; 458 1 1589 LEN=3287; translated
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RVIDFGLSKFVGKEPEKEKRVQKNDNERKQDDPSTILPERKSPSLNANGVSEKTASCEIE
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FDSIGGGYTTKCDIWSIGVLAFLTLTGTLVIGKDEEETVQKLMPEMEVDFSDDTVWEQ
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>comp15033_c0_seq2; 458 1 1589 LEN=3273; translated
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DDNPNTYSKQFRYMTSGVGSPPYVVAPEVLIHHHQHERESSIASTKPTEETGNNEEQDDL
FDSIGGGYTTKCDIWSIGVLAFLTLTGTLPVIGKDEEETVQKLMPEMEVDFSDDTVWEQ
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>comp15033_c0_seq3; 458 1 1589 LEN=3298; translated
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FDSIGGGYTTKCDIWSIGVLAFLTLTGTLPVIGKDEEETVQKLMPEMEVDFSDDTVWEQ
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>comp15034_c0_seq1; 639 261 2555 LEN=2592; translated
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VWDDDEEYDEEDPYERLQREQQNERRWRQTSLALGQELNNLMAENFQEEERNEVPLESG
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QEGTSVQRDQMRQSRGHSYRTRPRDVSFGAWMQNRSRGLLSYLSHPSSDKNSHLNLDRT
LHHHFALSTSVRPILSLPSDKTEGISMSNYLTCLVQGMGIQYRPERSMATVLNQLSGQLT
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>comp15034_c0_seq2; 639 277 2571 LEN=2608; translated
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>comp15035_c0_seq1; 525 87 2129 LEN=2263; translated
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VRVIVCSLWRSKLVSSKSQVGHANILHLVFGDGVVVTLNEREFVGRADQHQAAPEFQI
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>comp15036_c0_seq1; 753 325 2568 LEN=2969; translated

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EVFSRQIRSLDHSVGLRGVTKRITDTVVVSSAGGTHLGTEFVHQALSADKRACKAAEGR
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EIVTEAEITEKHIVGVTCTTPEQCLGIPEQNLFRIDWVIGRFVCSAVGVLPPLSLQYS
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>comp15037_c0_seq1; 343 90 1327 LEN=1680; translated
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>comp15037_c0_seq2; 343 90 1327 LEN=1701; translated
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>comp15044_c1_seq5; 1116 104 2653 LEN=2848; translated
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>comp15044_c1_seq7; 322 603 1871 LEN=1871; translated
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>comp15045_c0_seq1; 222 1 751 LEN=1951; translated
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>comp15045_c0_seq2; 222 1 751 LEN=1852; translated
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>comp15046_c0_seq3; 254 412 1608 LEN=1940; translated
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>comp15046_c0_seq4; 233 412 1676 LEN=2008; translated
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>comp15049_c0_seq2; 656 106 2439 LEN=2755; translated
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>comp15051_c0_seq5; 455 403 1493 LEN=1988; translated
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VKVVRGIFDTATGWSNEKIVTQEKILNRVIFLETVAAVPGMVAAVTRHFRSLRRMERDGG
LMHLFLEEANNERMHLLSFIKLKDPGMMFRGAVIFSQFGFGTAFFLAYMASPKTCHRFIG
YIEEEACHTYTTIVNAIERAPAGSELDAWKTEKAPAIARAYWKLGESGTVLDELVYAVRAD
EAEHRDVNHVCGDLQALDCGSKPTNPFNDPDTKVSDLLRKYVKDIMARNKPDGNSDKKLSF
>comp15051_c0_seq6; 451 108 1457 LEN=1952; translated
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SGDEEGFRRHPILDGNCSAEYIYRKSHDSYQEDLDIKLTHRKPETLSDRAAFQAVKVVR
GIFDTATGWSNEKIVTQEKILNRVIFLETVAAVPGMVAAVTRHFRSLRRMERDGGMLHLF
LEEANNERMHLLSFIKLKDPGMMFRGAVIFSQFGFGTAFFLAYMASPKTCXEMILPKLKS
HKHQEILRSLWISLRFHSFEGHRFIGYIEEEACHTYTKIVNAIERAPAGSELDAWKTEKA
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>comp15051_c0_seq7; 467 108 1471 LEN=1928; translated
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GIFDTATGWSNEKIVTQEKILNRVIFLETVAAVPGMVAAVTRHFRSLRRMERDGGMLHLF
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QFDPKTPGNLTFSLDLPFFCKAIDSLATXEEACHTYTTIVNAIERAPAGSELDAW
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>comp15051_c0_seq8; 385 403 1600 LEN=2095; translated
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VKVVRGIFDTATGWSNEKIVTQEKILNRVIFLETVAAVPGMVAAVTRHFRSLRRMERDGG
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PKLKSQFDPKTPGNLTFSLDLSPPFFCKAIDSLATXEEEACHTYTTIVNAIERAPAGS
ELDAWKTEKAPAIARAYWKLGESGTVLDLVYAVRADEAEHRDVNHVCGDLQALDCGSKPT
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>comp15051_c0_seq9; 537 108 1364 LEN=1821; translated
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SGDEEGFRRHPILDGNCSAEYIYRKSHDSYQEDLDIKLTHRKPETLSDRAAFQAVKVVR
GIFDTATGWSNEKIVTQEKILNRVIFLETVAAVPGMVAAVTRHFRSLRRMERDGGMLHLF
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ACHTYTTIVNAIERAPAGSELDAWKTEKAPAIARAYWKLGESGTVLDLVYAVRADEAEHR
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>comp15051_c0_seq10; 467 108 1471 LEN=1966; translated
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SGDEEGFRRHPILDGNCSAEYIYRKSHDSYQEDLDIKLTHRKPETLSDRAAFQAVKVVR
GIFDTATGWSNEKIVTQEKILNRVIFLETVAAVPGMVAAVTRHFRSLRRMERDGGMLHLF
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QFDPKTPGNLTFSLDLSPPFFCKAIDSLATXEEEACHTYTTIVNAIERAPAGSELDAW
KTEKAPAIARAYWKLGESGTVLDLVYAVRADEAEHRDVNHVCGDLQALDCGSKPTNPFND
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>comp15051_c0_seq11; 369 403 1586 LEN=2081; translated
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PKLKSHKHQEIILRSLWISLRFHSEFEGHRFIGYIEEEACHTYTKIVNAIERAPAGSELDAW
KTEKAPAIARAYWKLGESGTVLDLVYAVRADEAEHRDVNHVCGDLQALDCGSKPTNPFND
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>comp15051_c0_seq12; 385 403 1600 LEN=2057; translated
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PKLKSQFDPKTPGNLTFSLDLSPPFFCKAIDSLATXEEEACHTYTTIVNAIERAPAGS
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>comp15052_c0_seq1; 847 306 2649 LEN=2916; translated
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NLHHSPEEXNFVVTVEGTDEPIVSLLGMKRPFPAKALDMDEINAKVLEALXVEGGVVRGQ
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TEGRTE TRTKRNERKRK GSRQGTCDANPGAKGWNRIESNR IKRRPERRCGTKTKNITNTP
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SCASWHPDFPEIEHEHEDQPSFTFGAEAYKATEVSRSEEEAVSSTEGCSVISQEGIEVEA
LEFAEGGAVLYKTHKHKHHSQKAFRHGETYWTVCGEKTYDLPRRLVLLILAFLLTM
AASATAGFWVLATKEKDTGGLASSSAEAARAEGQAASEAVGGSSQNAASDFEFTFVEDED
LDLEDPSDPLEETWSGAETETDPPREPAEATEAPVAAPTAVPTARTTTTAPVEAVPEE
PEGLPWDNDEEPEGLPWTDEASLSVSECSGDASATKASFRFDDPRDGDWYWMRSADGN
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G

>comp15052_c0_seq2; 811 355 2468 LEN=2735; translated
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SALCWNDGVSTAPFGRLATGGEGSRRHSFGASRRRAAGLEPPETEGRTE TRTKRNERKRK
GSRQGTCDANPGAKGWNRIESNR IKRRPERRCGTKTKNITNTP TITNTSTNTSPHKTHK
PKRQYNTIQYKTKQNKMPSTPPKQKRKVLSWGCGTDDVSVNSSCASWHPDFPEIEHEHE

DQPSETFGAEAYKATEVSRSEEEAVSSTEGCSVISQEGIEVEALEFAEGGAVLYKTHKHK
HKHHSQGKAFRHGETYWTVGCGEKTYDLPRRLVLLILAFLLTMAASATAGFWVLATKEKD
TGGLASSSAEAAAEAGQAASEAVGGSSQNAASDFEFTFVEDEDLDLEDPSEDPLEETWSG
AETETDPPREPAEATEAPVAAPTAVPTARTTTTAPVEAVPEEPEGLPWDDNDEEPEGLP
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>comp15052_c0_seq3; 823 306 2431 LEN=2698; translated
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TDEPIVSLGMRPFPALKALDMDEINAKVLEALXVEGGVVGQKTPRRGPGRKAPAATAR
SALCWNDGVSTAPFGRLATGGEGSRRHSFGASRRRAAGLEPPETEGRTETRTKRNERKRK
GSRQGTCDANPGAKGWNRIESNRKRRPERRCGTKTNKITNTPTITNTSTNTSPHPKTHK
PKRQYNTIQYKTKQNKMPSTPPKQKRKVVLSWCGTDDVSVNSSCASWHPDFPEIEHEHE
DQPSETFGAEAYKATEVSRSEEEAVSSTEGCSVISQEGIEVEALEFAEGGAVLYKTHKHK
HKHHSQGKAFRHGETYWTVGCGEKTYDLPRRLVLLILAFLLTMAASATAGFWVLATKEKD
TGGLASSSAEAAAEAGQAASEAVGGSSQNAASDFEFTFVEDEDLDLEDPSEDPLEETWSG
AETETDPPREPAEATEAPVAAPTAVPTARTTTTAPVEAVPEEPEGLPWDDNDEEPEGLP
WTDEASLSVVSECSGDASATKASFRFDDPRDGDWYWMRSADGNADADADANAYDSWDY
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>comp15052_c0_seq4; 811 306 2419 LEN=2686; translated
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TDEPIVSLGMRPFPALKALDMDEINAKVLEALXVEGGVVGQKTPRRGPGRKAPAATAR
SALCWNDGVSTAPFGRLATGGEGSRRHSFGASRRRAAGLEPPETEGRTETRTKRNERKRK
GSRQGTCDANPGAKGWNRIESNRKRRPERRCGTKTNKITNTPTITNTSTNTSPHPKTHK
PKRQYNTIQYKTKQNKMPSTPPKQKRKVVLSWCGTDDVSVNSSCASWHPDFPEIEHEHE
DQPSETFGAEAYKATEVSRSEEEAVSSTEGCSVISQEGIEVEALEFAEGGAVLYKTHKHK
HKHHSQGKAFRHGETYWTVGCGEKTYDLPRRLVLLILAFLLTMAASATAGFWVLATKEKD
TGGLASSSAEAAAEAGQAASEAVGGSSQNAASDFEFTFVEDEDLDLEDPSEDPLEETWSG
AETETDPPREPAEATEAPVAAPTAVPTARTTTTAPVEAVPEEPEGLPWDDNDEEPEGLP
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>comp15052_c0_seq5; 859 355 2710 LEN=2977; translated
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RLLCEVRLLSIAERCSVSRMGHDTHAVDRVLFKHELTNGAWFFGVLRISSAKKTKTKN
NLHHSPEEXNFVVTVEGTDEPIVSLGMRPFPALKALDMDEINAKVLEALXVEGGVVGQ
KTPRRGPGRKAPAATARSALCWNDGVSTAPFGRLATGGEGSRRHSFGASRRRAAGLEPPE
TEGRTETRTKRNERKRKGSRQGTCDANPGAKGWNRIESNRKRRPERRCGTKTNKITNTPT
TITNTSTNTSPHPKTHKPKRQYNTIQYKTKQNKMPSTPPKQKRKVVLSWCGTDDVSVNS
SCASWHPDFPEIEHEHEDQPSETFGAEAYKATEVSRSEEEAVSSTEGCSVISQEGIEVEA
LEFAEGGAVLYKTHKHKHHSQGKAFRHGETYWTVGCGEKTYDLPRRLVLLILAFLLTMA
AASATAGFWVLATKEKDTGGLASSSAEAAAEAGQAASEAVGGSSQNAASDFEFTFVEDED
LDLEDPSEDPLEETWSGAETETDPPREPAEATEAPVAAPTAVPTARTTTTAPVEAVPEE
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VPVCG
>comp15052_c0_seq6; 823 355 2480 LEN=2747; translated
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TDEPIVSLGMRPFPALKALDMDEINAKVLEALXVEGGVVGQKTPRRGPGRKAPAATAR
SALCWNDGVSTAPFGRLATGGEGSRRHSFGASRRRAAGLEPPETEGRTETRTKRNERKRK
GSRQGTCDANPGAKGWNRIESNRKRRPERRCGTKTNKITNTPTITNTSTNTSPHPKTHK
PKRQYNTIQYKTKQNKMPSTPPKQKRKVVLSWCGTDDVSVNSSCASWHPDFPEIEHEHE
DQPSETFGAEAYKATEVSRSEEEAVSSTEGCSVISQEGIEVEALEFAEGGAVLYKTHKHK
HKHHSQGKAFRHGETYWTVGCGEKTYDLPRRLVLLILAFLLTMAASATAGFWVLATKEKD
TGGLASSSAEAAAEAGQAASEAVGGSSQNAASDFEFTFVEDEDLDLEDPSEDPLEETWSG
AETETDPPREPAEATEAPVAAPTAVPTARTTTTAPVEAVPEEPEGLPWDDNDEEPEGLP
WTDEASLSVVSECSGDASATKASFRFDDPRDGDWYWMRSADGNADADADANAYDSWDY
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>comp15052_c0_seq7; 859 306 2661 LEN=2928; translated
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RLLCEVRLLSIAERCSVSRMRMGHDTHAVDRVLFKHEITLNGAWFFGVLRISAKKKT
NLHHSPEEXNFVVTVEGTDEPIVSLGMRKPFPAKALDMDEINAKVLEALXVEGGV
KTPRRGPRKAPAATARSALCWNVDGVTAPFGRLATGGEGSRRHSFGASRRRAAGLEP
TEGRTETRTKRNERKRKGSRQGTCDANPGAKGWNRIESNRIRRRPERRCGTKTNKIT
TITNTSTNTSPHKTHKPKRQYNTIQYKTKQNKMPSTPPKQKRKVLSWGCGTDDVSV
SCASWHPDFPEIEHEHEDQPSETFGAEAYKATEVSRSEEEAVSSTEGCSVISQEGIE
LEFAEGGAVLYKTHKHKHKHHSQKAFRHGETYWTVGCGEKTYDLPRRLVLLILAFLL
AASATAGFVWLATKEKDTGGLASSAEAAAEQAASEAVGGSSQNAASDFEFTFVEDED
LDLEDPSEDPLEETWSGAETETDPPREPAEATEAPVAAPTAVPTARTTTTAPVEAVPE
PEGLPWDDNDEEPEGLPWTDEASLSVSECSGDASATKASFRFDDPRDGDWYWMRSAD
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VPVCG

>comp15052_c0_seq8; 847 355 2698 LEN=2965; translated
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NLHHSPEEXNFVVTVEGTDEPIVSLGMRKPFPAKALDMDEINAKVLEALXVEGGV
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TEGRTETRTKRNERKRKGSRQGTCDANPGAKGWNRIESNRIRRRPERRCGTKTNKIT
TITNTSTNTSPHKTHKPKRQYNTIQYKTKQNKMPSTPPKQKRKVLSWGCGTDDVSV
SCASWHPDFPEIEHEHEDQPSETFGAEAYKATEVSRSEEEAVSSTEGCSVISQEGIE
LEFAEGGAVLYKTHKHKHKHHSQKAFRHGETYWTVGCGEKTYDLPRRLVLLILAFLL
AASATAGFVWLATKEKDTGGLASSAEAAAEQAASEAVGGSSQNAASDFEFTFVEDED
LDLEDPSEDPLEETWSGAETETDPPREPAEATEAPVAAPTAVPTARTTTTAPVEAVPE
PEGLPWDDNDEEPEGLPWTDEASLSVSECSGDASATKASFRFDDPRDGDWYWMRSAD
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TVPVC

>comp15053_c0_seq1; 363 538 1803 LEN=2318; translated
MGKDRVSYFYHPETPLHYGSPHMKPHRLKLAHHLILAYKLYTKMECYRCHPATPGEMA
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LNQQQADICINWSGGLHHAHAKKSESSGFCYINDIVLAILELLKVHARVLYVDIDVH
EEAFYTTDRVMTLSLHKYGDFFPGTGHIQDVGAKGEGVGSVNAPLQAGITDETYLNDL
PVFDKIMEVFQPGAVVLQCGADSLTGDRLGCFNLTTTHGHADAVKHVKSYPVTLVLGG
YTIRNVARCWAYETSVLLEEPIDNNIPFNDYEEYAPDFELHLKPDSSMDNANKNLNSIR
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D

>comp15053_c0_seq2; 615 140 2545 LEN=2616; translated
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RKGKTDEALRIFESIDRPNIRIINGAIDACARARPTLKKAFEILEKATSESSNYNIKPN
VFTFGSLMNACNRARDAEKAIQTLRSMEKKYGVVNAVYSSAISACARSEPPKPDALK
LLKEVVEEKKLPMSVVGFNAAISACAQASDWENAISSLTRMEEANSDDNSVSDSDSDND
DNESKFLVDPDPVVTYGTVLAACERGGEWKILKNAESMQERGLPLDGLSVMTCCLHACA
ELGLAYEALRYLDMMKSVKEVTPRTARYQRYGARKPLMGDPVAYRCAISACARGAWRE
GIQLLQECKNVTGTPANTVAYTAAITGCEYAGWEKAEFFLLDKMRKEGVEPNELTMGAVI
GACATAIAKKDRDHETWTENMPLPQKKAIQLLSIMKKDPKIVKPNIQVYNAAIRVCAE
DTKRAFRLQDAKDSNIERTQFTYGSMTACERIGSVEKASKAFRLMKEDGKIPNEIY
AAISCCRKAKEPKRALLLRKMISEELSPNAATINTVMLAQTDGKSSNSEKVLQVYKIM
QSEYVGARGKPNRYTYNINLYFADMKEPASAEAFDKMRKEGFKPDVDLFTKTVSAYER
KNQPLKALNLMERMQNDGYDFYGNKVFNEAFKKGVAVLNSVVGQTFAGSDEEKQIIS
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>comp15053_c0_seq3; 342 870 2000 LEN=2515; translated
MECYRCHPATPGEMAQFHSDEYVQFLSKITPDNLRTYASVLQKFNAGDTTDCPVFDGLY
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RVLYVDIDVHGDGVEEAFYTTDRVMTLSLHKYGDFFPGTGHIQDVGAKGEGVGSVNA
PLQAGITDETYLNDLFI PVFDKIMEVFQPGAVVLQCGADSLTGDRLGCFNLTTTHGH
ADAVKHVKSYPVTLVLGGGGYTIRNVARCWAYETSVLLEEPIDNNIPFNDYEEYAPDF
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DSSMDNANKNLNSIRTELLQQLKDLQGAPSVQMQQVPPPFRTTSAAKNNGDDNDGEGKSR
KRIKKTHASELYDGVD

>comp15054_c0_seq1; 599 353 3021 LEN=3021; translated
MGIKGLHKALSFCVTKDNLNRNHRNSIIAVDTSSWMHKS SVYSASEKFVEATNNGRVDHGCV
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QRWKAEDKYKSCIRIKDNFTEAVIREVEKAFSNGRVFFVNSPHEADSQLTRLVLDGVAD
AVITEDSDVLVYSAAAHKPPFILFKLDRRTGACDSINMKWLISPSSQETARAVTSKNTLE
FILRRFASKQVNTKGLGVRLFVQGCILSGCDYRKNIEGIGTTNAFKLVSENAFRGASVRF
RKILESLPKKVRQKIEINEHEEILAKSEAIFFYHPVLHKDCQIKPLLEPRISPEESSVGK
CHSDHYPCMSRFKGDWSFLGNIDSSSRVIPNSYDANNCNTVQKSMAPSILSKPNSMSST
LPTKNPDFSHSSASNRSQTLQNPYKFKICDNNRHKPLGERNINIRFNTEKKLETQKNMG
TGSITKFLVKPDPYAKRTFSSTTVTKRDTQCSRLRNF SVAGSSFQLSRRSNASQKPPGQ
SFFEKRATKKTHTTSSKTTNSRIEQRRFDYSPIESNGKKEISFSYPSFNLPSPECESI
RTKRASSDIKRDGLKNLDRNLQDFFDLTNSNSSDMDNSEIRTKIAETKMEATLCDDQAVS
VVPNDTFEETEKEKESNAIGVKICSTFTSEEPNDNERDHTKNAGKATSKYFSKRRSDPRRV
TLDSSIRRPCDGLPSVACTTPVRPQSIDDEMNL PATRKNELRDYEWALDECIDDPEEEVQ
VAKPKSGFESGSFANKCKIRHPLPQENS NKSCSESKGSIRSFFKRQEIFANQLKRSIEPN
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>comp15054_c0_seq2; 645 353 3091 LEN=3306; translated
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QRWKAEDKYKSCIRIKDNFTEAVIREVEKAFSNGRVFFVNSPHEADSQLTRLVLDGVAD
AVITEDSDVLVYSAAAHKPPFILFKLDRRTGACDSINMKWLISPSSQETARAVTSKNTLE
FILRRFASKQVNTKGLGVRLFVQGCILSGCDYRKNIEGIGTTNAFKLVSENAFRGASVRF
RKILESLPKKVRQKIEINEHEEILAKSEAIFFYHPVLHKDCQIKPLLEPRISPEESSVGK
CHSDHYPCMSRFKGDWSFLGNIDSSSRVIPNSYDANNCNTVQKSMAPSILSKPNSMSST
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TGSITKFLVKPDPYAKRTFSSTTVTKRDTQCSRLRNF SVAGSSFQLSRRSNASQKPPGQ
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RTKRASSDIKRDGLKNLDRNLQDFFDLTNSNSSDMDNSEIRTKIAETKMEATLCDDQAVS
VVPNDTFEETEKEKESNAIGVKICSTFTSEEPNDNERDHTKNAGKATSKYFSKRRSDPRRV
TLDSSIRRPCDGLPSVACTTPVRPQSIDDEMNL PATRKNELRDYEWALDECIDDPEEEVQ
VAKPKSGFESGSFANKCKIRHPLPQENS NKSCSESKGSIRSFFKRQEIFANQLKRSIEPN
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QSSDDYLWNGTP

>comp15055_c0_seq1; 413 1 1712 LEN=1905; translated
XHPPHNTVLYIWMHCPRYDILAMEEDKFTNEYKYRPSHHLRPYQHHRRTQAYQFDNGSQS
QLLKKETLKRTHPFLNINTT SIHDEKTAFASSNSSTNFISGSNSCDQNVIHVRKNNC
IRGMVAVKNHLRGMVAVKDDDEKCYLNDKDHNSKDHTIVRGMTAIENDGDHNSPSVNNNN
IHLDIYDNAPISSTKDSNSKTSRLLEEVNDFLFDYERRFYRQSLTERAKELLD RARKTNT
FTSDVIGNREKLALCTEALKLCRQANRDQEEALHGNDHNVGGSYLVTGDIRIRYK GELL
AAKIYCVRASVLYRTGEYSDCLEDCDAAIAIWNQHEQRCSSTSSRAFGVFKRRTSSV RTM
QRNKMLSSDRCSSPRSAQIKPNSMLSKGKLSHKHLYILRGRTLAAMGRYKEATGWLTHPN
ELPVRKFHGTSQLLQNDGVMF SVIDQIACRDRRELDTEQHLQHQNSDQNAV VETIPVFPT
KKQEQRVIVPTNKLLWAHLLHSIDQRLTRGTVRSDGCLTTTSPSCISDKTTGSSNAIYQ
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>comp15056_c0_seq1; 877 138 3311 LEN=3360; translated
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GNSFPRNERWLEDATAETLDSLVMPLGHLTEDDVVSITSLMIEWSRRKSLEAAMMVETLL
KRIVDDL RAGNRDIYVSTKIYTVAI EAWGKSDEAAGAERAQSIHDAMIQTYRKT RDGR IK
PTTKSFNALMLAWAKSKNTN SISAEEKILRVMLTESDGASVVRPDAVTF AIMLDLYARN
SEQSITKAETLANSMNGLQVKKTNAVYSALQDVYVRSGRKDAPKMTMAVLQDMLNAYS KG
EERARPNIGNYNNVL SAYSRTPSKHSALRAVEMVNRIEE PLEGGYDVPDRLTYFLAILA
CSRCPNSTFGANKAEPLLERMEGKSKDEAKRREELSIAAPPLVSLDIECFNVVLTCLSKS
RDPNAVERIFNII SRMEEYADEGQEHLRPSTRSFNAALNALS YKKTQDAAKRAEETLERM
FQLHAGGASSKPDFTSYTAILRCYQRLATPEAAQRGNDILSRMEELYERQILEDPD TYH
YTIVCSTWLSRSKHAPQKCLKLLSRMKEKDREGWPRVKPNTRTYNALLDCLSRSHQATR
AEELLYHMLSLAKSGDTEARPD PFSFNAVINAFLYSKVRDAGRRAESVLERALEYAEEDG
GKMPEIKSFTSILGFYSRQRTMDS PYRARYLLNRLLSLYKAGHHHLSPHVSCFTNVMESY

ASQRHREAGECSEEEILRNMI SLQKNHNASHLVINTGVMNCVLNSWAESIGNDDAGNRAEM
ILLDLMERKSAAGDTSMVPNHRSYNMVIKTWSKSNASNKAERALAILERSRRRHSQQLHD
PPEYTHSLVIQACAFSRNIDPKVEMVAFEIALDVMDELISDVPVGRAEPSSATYAWFFQ
VCSRLQIPDSSKNEAVKRIFFRCEKGRVNEFVLQSVKDASSDALFSELIAECEEMMEVS
GDPGLKEMIIQFSQSPEKRVAEDFPSGTNRKRKLKRN

>comp15057_c0_seq1; 832 1 3136 LEN=3324; translated
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QMGVVNEEQCLAVVVSAMGGKPKTTDLLLESVQAAARREQNEVDRLLEFVLKKHATCLED
LFGADGCSGSSNSDYRELLKIVREDLEDIKDILKTVSLMKWQAERISELVSGYGELWSA
RILSRVLHNRSVHRHQRSQERDHFDEFVVIDARRII I IDEEAIQDGAVEWNTSREKLEEV
YETEVSKYNTTKTKTRLHFVVVTGYVASNTEGVATTLQRDGS DYSAAIMGRLLQSTNITIW
TDVDGVL SADPRRVP GAYAVPEVSYNEAMELAYFGAKVIHPKTMQPAISSNPQIPIFIRN
TFNAKFRGTRIFTSSVTDHQSDSCVCGFSSIDHMALINVEGSGLIGVQGVAKRFLGTLN
MGINVVLISQASSEHSITFATPEEDAARAKETIEEEFQKELEKNRISNIEVNTPCSIVAA
VGDGMKQVTGVAGRFFSALGDAQINIFAI AQGCSERNISVVVATSQATRALRALHAAFRL
SHTTVRVGIVGMNPLGESLLRLLLEVQRRKLWGSFEIDLQVCTVAMDSHDTDILELKNHD
GNESINLGTVRDAMKPVSSSSSESRI SFERDTPGGDLTVVRSSHKDLEPLVESLVRDDCA
HHVIFDCTDDVDASRFHPQWLSQDIHVVTANNTGISGSKEIRDEI HAAETARGKLSAHL
KEVTVCGGLPVI STIRTLNLSGDKIRRVGDITSVAMSYIMFRISPPPEITRSGRFDKECT
KGSFKGDIIGDDAMGKPCSFSQAVKEAISMDLMEKDL SLDLGN DYVSCVLMVLAKELGVD
RNVTHDVIRDRSETLVDFPKGEHMVDHHA FEGAIDEMVRVRVEEAAQRGCVLRHVGSVDV
AMESVEIKIMDVPNTHIFAITPPTVECVRFFTHRYQPYPLVIQGPSAGMDCTSSALLAEL
LSMMRSKVGPRTGILTKSNSSAYLK

>comp15057_c0_seq2; 536 1 2062 LEN=2250; translated
XLLPSSLVLSADPRRVP GAYAVPEVSYNEAMELAYFGAKVIHPKTMQPAISSNPQIPIFI
RNTFNAKFRGTRIFTSSVTDHQSDSCVCGFSSIDHMALINVEGSGLIGVQGVAKRFLGTL
ENMGINVVLISQASSEHSITFATPEEDAARAKETIEEEFQKELEKNRISNIEVNTPCSIV
AAVGDGMKQVTGVAGRFFSALGDAQINIFAI AQGCSERNISVVVATSQATRALRALHAAF
RLSHTTVRVGIVGMNPLGESLLRLLLEVQRRKLWGSFEIDLQVCTVAMDSHDTDILELKN
HDGNESINLGTVRDAMKPVSSSSSESRI SFERDTPGGDLTVVRSSHKDLEPLVESLVRDD
CAHHVIFDCTDDVDASRFHPQWLSQDIHVVTANNTGISGSKEIRDEI HAAETARGKLSA
YLKEVTVCGGLPVI STIRTLNLSGDKIRRVGDITSVAMSYIMFRISPPPEITRSGRFDKE
CTKGSFKGDIIGDDAMGKPCSFSQAVKEAISMDLMEKDL SLDLGN DYVSCVLMVLAKELG
VDRNVTHDVIRDRSETLVDFPKGEHMVDHHA FEGAIDEMVRVRVEEAAQRGCVLRHVGSV
DVAMESVEIKIMDVPNTHIFAITPPTVECVRFFTHRYQPYPLVIQGPSAGMDCTSSALLA
ELLSMMRSKVGPRTGILTKSNSSAYLK

>comp15057_c0_seq3; 314 1 1078 LEN=1155; translated
XIRKKLTGDIQHGGTTSGFQPPNLGSAKDTTAWLRMTPLLQSGNIVVVDDDDINKTDEE
INQWTWTFANKTWQVHKFGGTSVANADCYRSAARI IEDQLGIHNNVCHIMDDGETNGTTA
QMGVVNEEQCLAVVVSAMGGKPKTTDLLLESVQAAARREQNEVDRLLEFVLKKHATCLED
LFGADGCSGSSNSDYRELLKIVREDLEDIKDILKTVSLMKWQAERISELVSGYGELWSA
RILSRVLHNRSVHRHQRSQERDHFDEFVVIDARRII I IDEEAIQDGAVEWNTSREKLEEV
YETEVSKYNTTKTKTRLHFVVVTGYVASNTEGVATTLQRDGS DYSAAIMGRLLQSTNITIW

>comp15058_c0_seq1; 519 1 2078 LEN=2147; translated
XPTAMEGGSGSDLQDRWVSLPEDGPTSFYDEDEDEGAIFFFEFPI SKDVATDDNVDV SF
YDQGCRYNDGDPKVEIFKGIS ENVSFRGTENTIFADLNMRLGTSETNLP SLLQEYPTLWD
EESQISFCVRFSLVTDGIEVNFL ETVVILKVNVLVAGFQIIDVSVAPKEKIESFAGVSYD
VTAYLCGGNYKPLEEETTGLVEMLYEVC DADN IQITISEVTEITNTA QVGQEQEYQELSES
QKVEKEPIIYPQGSVV RVCI RPD DTVYGEVSMRTIEALVFE GTYTAAIDYQIVAAPPLTT
KSNGVFTQYAVKDGSTDV SF DLSYMSCESNRLEGHDDVVCAVDTVLVAAFFWRTPGVTA
TVTAYGVATLQFGTPASDERNLERTVTSELHLQSGEDRPSQRQAEVDLEKIWSMDRPIVD
FSTMREEGGFDFDMEYTFSDAISNEMILVEAYNKECEQPGEPIATYPFLNNSQASSDLL
EVSF TKAYKTGTGQGTQKVKVTAQWKRQEKGFMRSLQDSELYSENSDGSFVQISVCIRCQ
LHTRS DGGIEVNFL ETPVILNIDLKAGVDFGINFGLVPDDDKCLAELQRM SGGGFDSL Y
ENALYWKPGSSSVDP SMPMP SVFGSYSSRYGTSSYGGSGSGYRSSHTRAQPGNKFFGSR
PSSATSTASLYIGARTTAIGFAVSLLVVLSPM

>comp15058_c0_seq2; 358 400 2414 LEN=2483; translated
MAPRVSDYDEDEDEGAIFFFEFPI SKDVATDDNVDV SFYDQGCRYNDGDPKVEIFKGIS
ENVSFRGTENTIFADLNMRLGTSETNLP SLLQEYPTLWDEEKSQISFCVRFSLVTDGIEV

NFLETVVILKVNLVAGFQIIDVSVAPKEKIESFAGVSYDVTAYLCGGNYKPLEEETTGLV
EMLYEVCADADNQTISEVTEITNTAQVGOEYQOELSESQKVEKEPIIYPQGSVVRVCIR
PDDTVYGEVSMRTIEALVFEGTYTAAIDYQIVAAPPLTTKSNVFTQYAVKDGSTDVSD
LSYMSCESNRLEGHDDVVVCAVDTVLVAFAFFWRTPGVATVTVAYGVATLQFGTPASDERN
LERTVTVSELHLQSGEDRPSQRQAEVDLEKIWSMDRPIVDFSTMREEGGFDFDMEYTFSDA
ISNEMILVEAYNKECEQPGEPIATYPFLNNSQASSDLLEVSTFKAYKTGTGQGTQKVKV
TAQWKRQEKGFMRSLQDSELYSENSDGSFVQISVCIRCQLHTSRSDGGIEVNFLETPVIL
NIDLKAGVDFGINFGLVPDDDKCLAELQRMSSGGGFDLSYENALYWKPGSSVDPSPMPGP
SVFGSYSSRYGTSSYGGSGSYRSSHTRAQPGNKFFGSRPSSATSTASLYIGARTTAIGF
AVSLLVVLSPM

>comp15059_c0_seq4; 131 558 815 LEN=2746; translated
MPNTIVTQKEKILADRAKRVVHLEHSMAQVQKQLDDHRSRKKRYPANRVKSLESRLASYK
SQIYDYSRDLTDEELEELVNVNHP

>comp15059_c0_seq5; 230 1 932 LEN=1031; translated
IVTSRDRLENRSNHSTDAIEQSINDPPYHSLALHCIALPSSPIDAPGIVSSNDNPIESN
XNPTESVPRRMPGDRKKKQSYRSIHTDYKPFLLKYIRNHSIDDDTTVERLEKKYGGVASNG
LGDLAGTNTNTNTNTNTNTNTNTNTNTNTNTNTMDTRGTGASFSQAQAAAASRKERDDA
RHADLHANYQHGSYTDGDKIFLLKREIDTLRSKLLKDSKTNTKKNRSLAPGGSALAPLSAL
LAVGLLLVVARTLRRRIARARAGGSLLEEEGPASVELGVAGVTANANANANAGQSTTGG
WRPLVPLEDA

>comp15060_c0_seq1; 196 628 1487 LEN=2252; translated
MHSTLCXILADENFVLSADSLDTRREKNAKSYEEDTKTSQGSVDSRHDLSSCSNIITVE
DESWKIPDQSQSSTSNDRGTGRFDNGADEEERFILPEPGLSYCSSIDETGANENPNLASN
NTTSGEILNIPRSMRRAVIECPICLCDYQVGSDIVWSSNPQCEHVYHKSCIEQWLMKGR
DGPLCPCRRDFVIDPLDSMSEEMGDLEKGTREAVRGNPRRMVPTSTLTSTRSIEIPSNL
NNYNDAMIAMFLRASIANPVSVSTLTAATRDSEERGEPATDGS LNPE

>comp15060_c0_seq2; 329 132 1259 LEN=2024; translated
MVNPGEDDPSAAGRIVLAVFYLSMLCVCFLVPIFFYLRVLCQARRNRRLVQLEIATVAQV
IIESQTIQRRESIAARQKYQDERRARLVQLFAPVRMILADENFVLSADSLDTRREKNAK
SYEEDTKTSQGSVDSRHDLSSCSNIITVEDESWKIPDQSQSSTSNDRGTGRFDNGADEEER
FILPEPGLSYCSSIDETGANENPNLASNNTTSGEILNIPRSMRRAVIECPICLCDYQV
GSDIVWSSNPQCEHVYHKSCIEQWLMKGRDGPLCPCRRDFVIDPLDSMSEEMGDLEKGT
REAVRGNPRRMVPTSTLTSTRSIEIPSNLNNYNDAMIAMFLRASIANPVSVSTLTAATRD
SERGEPATDGS LNPE

>comp15061_c0_seq1; 314 119 992 LEN=1665; translated
MKDDTAEREQVIKRLKIATCALCFMIVEISGGLLSGSLAILSDDAAHLLDMTSFAVAIAA
SYLASLPPTARHTYGLKRTESLAALFSMTSLAFVSIALAYEALQRLISPPEEGIDGNLMT
LIAGFGVVINVILAIIVLGENHVHLPGGDHGHDHSHDHGGHGDDHGHGHGHNHQTIDHHDV
HDHNNHCHGNKEKENTHDHKKDHHFHDEEDGHGHEHGHNHGHNETKHEKSPLIVSKGG
HDHEGDDDDHSHKHEQRNVNLHAAYLHVLGDLAQSFVAVFFGGVVIWVKPEW

>comp15061_c0_seq2; 192 119 584 LEN=1962; translated
MKDDTAEREQVIKRLKIATCALCFMIVEISGGLLSGSLAILSDDAAHLLDMTSFAVAIAA
SYLASLPPTARHTYGLKRTESLAALFSMTSLAFVSIALAYEALQRLISPPEEGIDGNLMT
LIAGFGVVINVILAIIVLGENHVHLPGGRLRFVFR

>comp15061_c0_seq3; 314 119 992 LEN=1504; translated
MKDDTAEREQVIKRLKIATCALCFMIVEISGGLLSGSLAILSDDAAHLLDMTSFAVAIAA
SYLASLPPTARHTYGLKRTESLAALFSMTSLAFVSIALAYEALQRLISPPEEGIDGNLMT
LIAGFGVVINVILAIIVLGENHVHLPGGDHGHDHSHDHGGHGDDHGHGHGHNHQTIDHHDV
HDHNNHCHGNKEKENTHDHKKDHHFHDEEDGHGHEHGHNHGHNETKHEKSPLIVSKGG
HDHEGDDDDHSHKHEQRNVNLHAAYLHVLGDLAQSFVAVFFGGVVIWVKPEW

>comp15061_c0_seq4; 192 119 584 LEN=1801; translated
MKDDTAEREQVIKRLKIATCALCFMIVEISGGLLSGSLAILSDDAAHLLDMTSFAVAIAA
SYLASLPPTARHTYGLKRTESLAALFSMTSLAFVSIALAYEALQRLISPPEEGIDGNLMT
LIAGFGVVINVILAIIVLGENHVHLPGGRLRFVFR

>comp15061_c0_seq5; 258 119 993 LEN=1807; translated
MKDDTAEREQVIKRLKIATCALCFMIVEISGGLLSGSLAILSDDAAHLLDMTSFAVAIAA
SYLASLPPTARHTYGLKRTESLAALFSMTSLAFVSIALAYEALQRLISPPEEGIDGNLMT
LIAGFGVVINVILAIIVLGENHVHLPGGDHGHDHSHDHGGHGDDHGHGHGHNHQTIDHHDV
HDHNNHCHGNKEKENTHDHKKDHHFHDEEDGHGHEHGHNHGHNETKHEKSPLIVSKGG
HDHEGDDDDHSHKHEQRNVNLHAAYLHVLGDLAQSFVAVFLEVRIFTPAVL

>comp15061_c0_seq6; 197 744 1147 LEN=1820; translated
MAATGMITDMIMGTTTTKPIITTRTTMTTIIATAIRKKKTHMITNMNIIHXHDEEDDGHGHE
HGHNHGHDNETKHEKSPLIVSKGGHDHEGDDDDHSHKHEHQARNVNLHAAYLHVLGDLAQSF
AVFFGGVVIWKKPEW

>comp15061_c0_seq7; 258 119 993 LEN=1646; translated
MKDDTAEREQVIKRLKIATALCALFMIVEISGGLLSGSLAILSDAAHLLDMTSFAVAIAA
SYLASLPPTARHTYGLKRTESLAALFSMTSLAFVSIALAYEALQRLISPPEEGIDGNLMT
LIAGFGVVINVILAIIVLGENHVHLPGGDHGHDHSHDHGGHGDHGHGHDHGHNHQTIIDHHDV
HDHNNHCHGNKEKENTHDHKKDHHFHDDEEDDGHGHEHGHNHGHDNETKHEKSPLIVSKGG
HDHEGDDDDHSHKHEHQARNVNLHAAYLHVLGDLAQSFVAVFLEVRIFTPAVL

>comp15061_c0_seq8; 197 744 1147 LEN=1659; translated
MAATGMITDMIMGTTTTKPIITTRTTMTTIIATAIRKKKTHMITNMNIIHXHDEEDDGHGHE
HGHNHGHDNETKHEKSPLIVSKGGHDHEGDDDDHSHKHEHQARNVNLHAAYLHVLGDLAQSF
AVFFGGVVIWKKPEW

>comp15062_c0_seq1; 947 135 2753 LEN=3030; translated
MTKISYLERQREVDPFYRVVNAEYITGSAKTRFSQTVEETKRGEDPEGRDSDIYKTLLS
KNSSGDLDFNPRMVHIMDFESDCRDDSERDQVPTSTTTPLEPPAAAPEEVYTGMSKEY
KGILKKDEPEQDEQETSPENETNQSSEDFSTASAPQREAPPSEPPPTPRKNVFPNATAPVYK
RQSSKPWEKKQVAQLAKRFEHNDDAQEDEDGDKTPIRPPPRYSISKIQQAQAGPVPKS
DDFYSELKRWHKNYSLRDVEKPEQITVTVSPVPATEPSEPSEQEEISDYYLQSSNSIEA
GKKKSWFRMKNRNSQNDSSHDDETAKVATTEKPMKRFPRRASKLQKAKEKRRKRSWSLK
NLFGKKNKSSNSDSESSSSSRSGSLEAEAKNAQAAPSEPRPDPPSDVPEAYSMLGIARS
TATKKPIKDPKMPSEANLSRFLKLQEDDQSTATASSKTDKACNATVAVAAATAATDRRL
QMQLMQQIVGASRSELNAVETNASSKDAKVAEKVNSDKPIEPTKEEAIDTESEKCKSQQ
MLDDDEKNSAVEVDEEKSVIQRKDESSWLTRATKMLKRLAAAEVLDSSDAIEVNVLDLKG
LTPNQSFNTTDLGSSSLDKDSVSEGVAMPETARTSSLLDLSTASQSQSLQRMETDSKG
IDASFTESLSCADSKSNSKPSLPTSEADADLKNLDTANVLSSESHSCADSKKITGRSKE
ETRKSASIGSRDSESAWAKDASRKLKVSVASLEDESSEVWASLPSAKAGKPADTVVVK
KSKNKDKGEATTPLAGKTQKENRRETKEKREKAMAASLFGKLDKDRKQKKKSNQAATL
FGTPQRKTKATKSKMDAKNKKRRRQRTSASLF

>comp15063_c0_seq1; 640 142 2139 LEN=2339; translated
MEDPQRLPNDVGDDEAAELQRQAEAEAMEQMLLAQEDEDIDFQDGGINIDGANIENRIHDE
NVFVDGGDGADVDRQPDFAIEEDGNILNGNMGLDDELIRNRANDHDVATPRKNPFTYVS
LSLWAAVFLIYYSYRSRQWYLALVFLSSSKYAYVIMGNFVATLIWIFRVTTNFFLNGL
RLNEAEGLTDFRWHITETCLALTI FRLELNKTFVLFVLFVLAQCLHYIVEQREAHLRM
TEEIVVNPSPGKWFALRLQHVLFALISFLQFSDVCAIILCGQDIMEHGSPSVSILFAFES
AIMLVSVISNCLLWYLHLLDGI FHAMHETSLPGALFHGWYIPWKDYKATLVFAVELQAQA
AKFIFYLTFASVMAYYGLP INLIREVYVSFLALKQRVMAFNKYRQLMASMNRFKSPTTE
ELEAEDRICIICRDEMTVETSKRPLPGCGHIFHKSCLEWLQVQQTCPTCRGDISAMEARQ
KAQDQMNARIQEQLQEETDEAEAGEGIEEDKKSAAAQTNQTEQPTASDGEFQPGSLKVE
SDSDEKAPICKGAQETEAKAKSNTGLVDKERSAFPAYRVVSNAGASVYLDQDADLALAV
VRVVASGVVILGIEMEYRKCNEEYRMMIKIPDGWVSEDDVERIVAVPLEALPPP IQCDDF
GNGIK

>comp15064_c0_seq1; 833 92 2353 LEN=2538; translated
MDGKIPKNSCDGMTATDGDVGGSSLSPSGVPRPIPVESVPPDTKPMTTETKKNIIVFQN
EQNFSLVEVLEEKEHKEEDRVRVTALCLHLEPKACSRVVKELSATLPLEDGLSHLKRVR
RRVLPMPSSLPEAKPALETETSQATKSTTTTSTKTKHQHTKEGNPSFPVKKEEGETGAKS
KAAAEATLSSSGQKRPKRRKSSSKQNFVLEILIGTRSHLVQRSKQONPSSELSLTKVH
PIVREFGPLYEVVVPKYEPRESEQEWKEHNQSWPTHYYPLKFDEHLQHIQQQSALSQHEI
DDMRELMERCIEITMSVLIIVDPNHESRNRKESAAAASDAIHATNEKKRQNKTTASDHCTIGII
ESDNNKYNDRRRRVEAGIVSISTNEQELQGANQQKFHNPLATPVLFAIQGVSRREAREATA
GIQSSDKDVAEGSRNDAYSVMKRAIAEQQLDTAISAGSTPTTDDLPAAAASGRHNSYPL
GTRLKFFAKQRAWYLGITLSYDTESEFYFIKYDDGDTEELEHHEIDTNLSDLPSTSKYEE
GFQYETRKAYKTKRKRTRGNSKAHADLVCWVIGTVKSRYFYAPKAKGFWCYRVVLEGLN
GDITQDVDEEFITRSIEDAKSKGHLAHLGSPSVATSEPSHAKPEFTISNGGTGRDQPQ
DATKTNADHDHGDHGDNDQQLPTGGGKELGEKSEKPKQEQTGQYICTGYDMYSFYEPSV
FEAMACLHSRLRRLIYFVPSKGSDIQSTANNAVW

>comp15065_c0_seq1; 387 425 1390 LEN=1918; translated
MNFCKPSSEPKPTPAASSSRGESVDLGEFSYQHASGGSGYNSHYYDYDYSGHGTPHTPKP
IISEDYGLSSEFYTDTTGGLARPDISISNSGRVIGGEGATAHAAGGIDGAHLPRMRGDA

KLRPNTGNSNQNDGALLGKSLEITAFRLRTTIVSTVAAIVWEGFAPMRLIGMALVHPA
QFVLGAYLGVFCLLVLGAELNIEALKDNFGFLYDPLSRGFVLLMMSGMSLGILSTWWESL
LGLAFLVVGTYIYTYLQYPEYRTWKSYNERTAPWQEGKMYWTGGDAAVQTAAWATPTK
ASVAVAAAVVGSETKSLLGNA

>comp15066_c0_seq1; 121 504 1546 LEN=2700; translated
MLIKREPLVDGIADPTGSNSDPNSNSPDGSDSVTYNFARLHLPEDVDTILSNELLQLSI
KDRNAIDEEIHGVRQMAHKENPEFLKAALLRRLSEEIDRIPDTNPIKNAYNKSQKIGETYV
NKEDFRLRFLRCDLFDAKKAAMRLVKFLDLAFSLFGHEVLERPMKISDLSIEEMKLMRLG
PFQVLPYRDRSGRPVVTWVDDFATKHGDKRFRVRFYLYLIERFRKGILCDRMKLSNSRGNV
AVRSSALSILHLFFAPFLSLRTQAKMTMYMMYALSDDIESQRRGFVHITWPGSKPIAAVP
DLDELQMLQVLP IRLCAGHFCVDPKPFHII RSMFAITMXFYHEE

>comp15066_c0_seq2; 200 504 2063 LEN=2404; translated
MLIKREPLVDGIADPTGSNSDPNSNSPDGSDSVTYNFARLHLPEDVDTILSNELLQLSI
KDRNAIDEEIHGVRQMAHKENPEFLKAALLRRLSEEIDRIPDTNPIKNAYNKSQKIGETYV
NKEDFRLRFLRCDLFDAKKAAMRLVKFLDLAFSLFGHEVLERPMKISDLSIEEMKLMRLG
PFQVLPYRDRSGRPVVTWVDDFATKHGDKRFRKMTMYMMYALSDDIESQRRGFVHITW
GSKPIAAVPDLDELQMLQVLP IRLCAGHFCVDPKPFHII RSMFAITMGSTMRSLKF
HIGEPVELEYALRSFGIPFELIPVTGTGNVKTGYHRQWIRLRKAIDNERTKSGDDDCSMI
EIPRSADVVFRTGNLSLTCHPGNSIFQDVIQSKIQQHSTATQVEKMAITKEIEQIQRNNG
RFLQWDKNGWWIEIEGRSHIHAKVAVAVRDFKSKVVAKANRQNCQSGTSVFNQDQKRRK
VTHNFDSDDDVNEMRCSLLSLDTSAMFSKPFIGTCNPSL

>comp15066_c0_seq3; 197 504 2216 LEN=2557; translated
MLIKREPLVDGIADPTGSNSDPNSNSPDGSDSVTYNFARLHLPEDVDTILSNELLQLSI
KDRNAIDEEIHGVRQMAHKENPEFLKAALLRRLSEEIDRIPDTNPIKNAYNKSQKIGETYV
NKEDFRLRFLRCDLFDAKKAAMRLVKFLDLAFSLFGHEVLERPMKISDLSIEEMKLMRLG
PFQVLPYRDRSGRPVVTWVDDFATKHGDKRFRVRFYLYLIERFRKGILCDRMKLSNSRGNV
AVRSSALSILHLFFAPFLSLRTQAKMTMYMMYALSDDIESQRRGFVHITWPGSKPIAAVP
DLDELQMLQVLP IRLCAGHFCVDPKPFHII RSMFAITMGSTMRSLKFFHIGEPVELE
YALRSFGIPFELIPVTGTGNVKTGYHRQWIRLRKAIDNERTKSGDDDCSMIEIPRSADV
FRTGNLSLTCHPGNSIFQDVIQSKIQQHSTATQVEKMAITKEIEQIQRNNGRFLQWDKNG
WWIEIEGRSHIHAKVAVAVRDFKSKVVAKANRQNCQSGTSVFNQDQKRRKVTHNFDSD
DVNEMRCSLLSLDTSAMFSKPFIGTCNPSL

>comp15066_c0_seq4; 124 504 1393 LEN=2547; translated
MLIKREPLVDGIADPTGSNSDPNSNSPDGSDSVTYNFARLHLPEDVDTILSNELLQLSI
KDRNAIDEEIHGVRQMAHKENPEFLKAALLRRLSEEIDRIPDTNPIKNAYNKSQKIGETYV
NKEDFRLRFLRCDLFDAKKAAMRLVKFLDLAFSLFGHEVLERPMKISDLSIEEMKLMRLG
PFQVLPYRDRSGRPVVTWVDDFATKHGDKRFRKMTMYMMYALSDDIESQRRGFVHITW
GSKPIAAVPDLDELQMLQVLP IRLCAGHFCVDPKPFHII RSMFAITMXFYHEE

>comp15067_c0_seq1; 867 157 2787 LEN=2905; translated
MATFANQASNLSALESKLENLLTVPDPDDKSQDCFRSKEEKLNAAFFASQSNRVEKVE
KEIAGATVSI FSPSSKESKTI TELAECLRLTQEFTREKLEILKSRLESEGYTVTSPKTTQL
FSDKIATASSATHHSLDPRYNQLKLGAAANDRFSWPLTANVGGPLESVLEADYETDGLTTP
GSCLQSPTWSSSHQISSALESDDHCDHALATPTASAGKKMEPNQRKSSSFRTSPITPP
ALDNLMSSTSTSTFLQHI EHEGENKEKYDHLHYHTQQQQEEQQQHLHEFRDEDDMITLDTQ
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>comp15068_c0_seq1; 275 1 1340 LEN=1340; translated
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>comp15068_c0_seq2; 158 1 884 LEN=1175; translated
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>comp15068_c0_seq3; 186 1 1104 LEN=1104; translated
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>comp15068_c0_seq5; 204 1 803 LEN=803; translated
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>comp15068_c0_seq6; 18 1 354 LEN=354; translated
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>comp15068_c0_seq7; 341 1 1432 LEN=1432; translated
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>comp15069_c0_seq3; 1038 155 3943 LEN=4497; translated
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>comp15070_c0_seq4; 239 1 1329 LEN=1329; translated
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>comp15070_c0_seq5; 573 99 1878 LEN=2880; minus strand; translated
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>comp15071_c0_seq1; 1620 154 4257 LEN=4334; translated
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>comp15072_c0_seq2; 519 388 1485 LEN=2891; minus strand; translated
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>comp15073_c0_seq1; 422 1 1136 LEN=1638; translated
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>comp15073_c0_seq2; 365 1 1232 LEN=1734; translated
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>comp15084_c0_seq1; 539 287 1085 LEN=1085; translated
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YLTACANDFARENRRQTITANDVLA AIKELEFEFEFAPELTTFLERYRELEKNKNKNAKLAS
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>comp15084_c1_seq1; 394 128 1492 LEN=2071; translated
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YLKGKIKSIDELVQKIRQKGWDKHFEGNRTHLHLSGLNSLSNIESIDGFEIENFP PLEH
VKS LDCSTFHVHCRSYRNRIRGNNRNTNCQIKSGSDHESPSSEATDETLITHDSSNSRPF
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TWNGSLIWPINEDIMRACLNLKELYIDDARLLFDHNSRRQRSRLLQIGDRNSNETDNHE
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>comp15084_c1_seq2; 561 128 1651 LEN=1759; translated
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VLRKQVILNLSRNSVKFIDEGFIRLRAEVLERDGDDDLSDLSNDFDIEANTMKSLS
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TTNTNQKQNDKGSATTLPELPKHLKVLFIIDDRILRKLFAATMKTVAPEWTIREAANGE
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>comp15084_c1_seq3; 422 128 1510 LEN=2089; translated
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SNSRPFPPSPTSWLFVYRDYIDKGFAGHLVLSLLVPLNREIDMSNLPLTSIGVAWIAENS
PKLEVLTWNGSLIWPINEDIMRACLNLKELYIDDARLLFDHNSRRQRSRLLQIGDRNSN
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>comp15085_c0_seq1; 369 219 1583 LEN=1641; translated
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RFHPTANFYLNNTLEKYSLGHDVGTVYSNLRNMKLGNIHVHKKIGRKTCTVTRATMVG
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>comp15085_c0_seq2; 993 1 2680 LEN=4723; translated
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>comp15085_c0_seq3; 334 219 1755 LEN=1813; translated
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IMDNHGYEMLPGSAIQQGMTIINGLNATFKQYQDEVVVSINDLDHLMVWFDLEGGKPHRYS
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RFHPTANFYLNNTLEKYSLGHDVGTVYSNLRNMKVSFLLGARQSKISMPVLSLHSCIFQ
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>comp15085_c0_seq5; 993 1 2680 LEN=5100; translated
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YSDSDVLIINRFTEAIVCDIQKTRKPLGRFLEYSTREKQWVEMDQDEIFFEVKRSFLRRL
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GSMDDSQRSQHSQHSQQSQQLKQMNQLQRSKNKPNIEFNNTSLNVAEEELIKRLKKNWEKQ
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TGDESSRNDSIQKQANRRMPHQQQASLPNFGGQTTMNGTIQEWMLNNGIVDKQIKNLQWQ
SFQALQFQEKYVKQATNLQQQIQLLQTYEMQLNQFPKQLQQQQNAEECKQWLQQLQTEFQ
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QIKQNSQQATQHAFATQQQKLMNAEHQKQDQVALINHQIEIALRQQNHQQILFLQQQLNQK
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>comp15085_c0_seq6; 334 164 1700 LEN=1758; translated
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FYEDTPNNTNQTCLPLVFMFYFEGGIKLVQSFFTYYSNIQTKRCMKFIVSKRWKDHNETME
IMDNHGYEMLPGSAIQQGMTIINGLNATFKQYGDEVVVSINDLDHLMVWFDLEGGKPHRYS
SYTDMVRLYMYEFLATRGCPCDKKNVHERYVIPCTCLMKNNNTNYVAVPDGDVLSQYGLTN
RFHPTANFYLNNTLEKYSLGHDVGTVYSNLRNMKVSFLLGARQSKI SMPLVASLHSCIFQ
IVRRLVFRASKHLFDVSHLSRSMVYLFDAARQHQRSSQDRSQDKENGDTGNNGGMIHA
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>comp15085_c0_seq7; 369 164 1528 LEN=1586; translated
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IMDNHGYEMLPGSAIQQGMTIINGLNATFKQYGDEVVVSINDLDHLMVWFDLEGGKPHRYS
SYTDMVRLYMYEFLATRGCPCDKKNVHERYVIPCTCLMKNNNTNYVAVPDGDVLSQYGLTN
RFHPTANFYLNNTLEKYSLGHDVGTVYSNLRNMKLGNI NVHKKIGRKT KKT VTRATMVG
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>comp15086_c0_seq1; 1021 184 3618 LEN=4322; translated
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RGRFERTCTDPFSAILEGLNDFDRLLQNE DTRNLVIRSAIVDSLASETLSISALVPRL
GDILKTTNDEKEIRNRAMIMGANPNGVLRPRRSISASNSEENDSDAADIPGQNSRNRIRY
LFNALFCAICNEQYPLIMFLDDCQWADDESLGLIESLIKDPACRYFMFIGNATRGI TEAK
EDET NFALMTKIEGPNQRVTRINLLNLSIDEIGEF IADTLQLTIDE CRPLTEI IYGKTR
GNIFFS IQAIEELQRN ILYFSMIVFRWENLAGVEFQNALSDLSDDVGT YVSSKI QSLP
KKLQRALVIASHTKTTFDVETLEALMI EDGCDIDFKELNGLLDLAVLLGLLTNTIGTGLY
QFANDRVQQATYVWVSSSQERAKLRVMIGRKL YELYFQPKGKEWMLFVAADHLNSCIGHG
GKDDLSLAKLNLQC GK KARFLGAYVPASLYMRLALS YLRKLDKNPWESHYDLSLQIYREI
SDSELCLGKFEKGEELAQIVLNETRNL EDKLP TYLALAEAKGKQKHAESFSLCHQALVR
VEAIPKMHYFHVKKDSNVIKRFKSHSDYDILMMPICYDKNNMVMMDLLSQASRRAHHC
GNMTEYRFCIARQLRLTFEFGFSRTSAQAFASYGKLLQSDNDVKNALRMAGLAREIMAK
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AYLELARKTGSKYERKAMKFIKTLRYFCRTRGLNALHKCLLLEAEVLSLECHDVQKLT
AYDEAIIAAVKIGYTQDAAHGSELTGAVMKALNEDDLADQYLNQACKLWKEYGAHVKVRQ
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FQRS

>comp15087_c0_seq1; 892 176 3085 LEN=3321; translated
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PCGTTGKVIHDCSSATCVRAESPNGIATEEHNSSGSSSPSAHLYTCQCPEDLMGNKSC
RPGIDPQPKPMVMFDGVTPTALTIKNNFYCGCTRPKIDVCSGFPPEGKHEVCTVVEK

KCACRPGYIHHETYGCVDVSPPTLKLNRDRHGDQTLRLKQGDEYREHMVDIVDDNAEDYL
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LKRIEATCPQLIPQCDTEAGAKCINTVGSYACKCPTRTSGDGLKSAEFDASDTSYPIPS
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LEADIREMIRATAGAELCATHENPRVKASDCFKAIDKTYKGDVDLSGRVVIIGDPIQRSHL
HWVVPYDVKDDAGNEATTIYRDVVL EEVSLFGLEKKIRDEVANEKRRKTKRAIDNAVKA
RKKWDAENKAATNRSRRNTASSNDAKSCPACPACSCPETDIPDGTSCSAFCTSLSETCRQ
LGDDNFVYKLLLVL EDDFFPVQLVPMVLSFVAAVCLYVMRWVLTLI FNPKAHTNYDYGNY
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GARRRTPYR

>comp15087_c0_seq2; 812 697 3350 LEN=3586; translated
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KTSCPWL PDTWDCCPRNAHSTEGKRCRERFRCPVDPCGTTGKVIHDCDSSATCVRAESPN
GIATEEHNSSGSSSSPSAHLTYCQCPEDLMGNGKSCRPGIDPQPKPMVMFDGVTPTALTIK
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YTVAMPWANPPYVRITRRVIEDIDECAVLSNTKILKRIEATCPQLIPQCDTEAGAKCIN
TVGSYACKCPTRTSGDGLKSAEFDASDTSYPIPSFKGGTSCDTSKPEITLKGPNPKT
FRIAKYGGGLSGVMNEYSGRGINDRADEKKQISANLEADIREMIRATAGAELCATHENPR
VKASDCFKAIDKTYKGDVDLSGRVVIIGDPIQRSHLHWVVPYDVKDDAGNEATTIYRDVVL
EEVSLFGLEKKIRDEVANEKRRKTKRAIDNAVKAERKKWDAENKAATNRSRRNTASSNDA
KSCPACPACSCPETDIPDGTSCSAFCTSLSETCRQLGDDNFVYKLLLVL EDDFFPVQLVPM
MVLSFVAAVCLYVMRWVLTLI FNPKAHTNYDYGNYNGINDEMVLATAPEPRQQAMPAQTQ
GAGAGNPASTPRPPTASLSLSGYNGQNGTSGAANGTNGSFFSPGSQMGSPGRFDGSAGL
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>comp15088_c0_seq1; 318 1 1113 LEN=1872; translated
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SGTTEGRQPTNNNADNRSGEMDIAENPCNNDGNNNGNIPIDDSGMRKWLDKTMPFFEKE
GLKVPQSQVLINEYKNNMGIASHFEDFDFAGFPVILTISLISPVYMTLKKPTTAPTIEPVG
TEHNEDKDKDNKTINACDSYDDVVKILLEPGSLLIMKDDARFKYRHGIGKYKWNLPPT
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>comp15089_c0_seq1; 355 254 1453 LEN=1804; translated
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SLLP LLLPKTDGRQPQPPAFMVFVNGGALLSEEEALAEHLHLPCLHVIDKDSPGLPSAERL
VRQFGGSVVEGDGSLQRSATPCSSASFNNHVGRFLVARKRDLRRNTCDAAVLALRHELH
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>comp15089_c0_seq2; 190 254 968 LEN=968; translated
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AETGDP TREEQNKENESGVTATPSPPRYVGLDASLLLLRQVWASSPFWGV LAVGQAAGVA
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>comp15090_c0_seq1; 307 264 1049 LEN=1995; translated
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>comp15090_c0_seq2; 664 89 2659 LEN=2766; translated
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PILTF FIFWVAYRFGNIKLGEKDAEPEFSNASYFAMIFSAGVGVGLFFYGVSEPLWHVRP
DNYFSNAGYRSQNEIDEWVSLVITLYHWGFAGWSVCKXQKFCCELCKHNVVVPSRFDCCLN
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LGCLILFLCFVMENTKFLNLLVQTTGSYLQWCIFQVPPFTDAFGALTEGEGRAVDGNGS
ASWFIGAWTVFYMAWVAVACFVGMFVGRISKNRTLREVIFSVFICPVLYSLIWF SFGG
IGLRQQRQALELQQIGTDSFNDSSYFVSESESEFCYDVPQEDVVVNGTTVFTNQLVGITPV
CTFN SGNADGAWFNVMYSFSYPTDNGFGGFGPFLSGLSIFTLAIYFITSSDSGSLVVDTL
ASNGESDHHWIQRVFWAVTEGAVACALLIAGKDKALKALQAASIVFGLPFNLMLIMCLS
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HLPTSEQSVEFLKALFLPFLSFYQVYTSAVMDPKQKNKTRNALLTVVYALCYVGWIVLFS
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>comp15090_c0_seq3; 298 89 838 LEN=1152; translated
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PILTFFIFWVAYRFGNIKLGEKDAEPEFSNASYFAMIFSAGVGVGLFFYGVSEPLWHVRP
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>comp15090_c0_seq4; 595 89 2758 LEN=2865; translated
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DNYFSNAGYRSQNEIDEWLSVITLYHWGFAGWSVCKXQKKFCELCKHNVVPSRFDCCLN
SKYRHSCGSCYWI SKLSLRTTDDDPINILPDFGRLLLGLDGLIDSYSIVMTVAGVCTSL
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IGLRQQRQALELQQIGTDSFNDSSYFVSESESEFCYDVPQEDVVVNGTTVFTNQLVGITPV
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LIAGKDKALKALQAASIVFGLPFNLMLIMCLSVYVMCKAIEEGKNPNKIEPNVLLPKVQ
QSWTTPFLGGIFNVFEFIIISLGFVHESRKEKGMHLPTSEQSVEFLKALFLPFLSFYQVY
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>comp15090_c0_seq6; 686 89 2671 LEN=2778; translated
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VAVVSXNWPANVASLFLKIAFNDTLAVACALLIAGKDKALKALQAASIVFGLPFNLMLI
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EKGMHLPTSEQSVEFLKALFLPFLSFYQVYTSAVMDPKQKNKTRNALLTVVYALCYVGW
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>comp15090_c0_seq7; 496 89 1657 LEN=2797; translated
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KLPFLKNSMTFNPVVSVALAVLWGLTAYCIAQPEKASETLNFWFNNTIDLFTWFIYVAN
PILTFFIFWVAYRFGNIKLGEKDAEPEFSNASYFAMIFSAGVGVGLFFYGVSEPLWHVRP
DNYFSNAGYRSQNEIDEWLSVITLYHWGFAGWSVYILVALATGLASYRFGLPMTIRSTFY
PILGDYCWGWIGDLIDSYSIVMTVAGVCTSLGLGAMQMVAGLQRLGWVDPEREDLEDVYV
ILIWVITAVATISVVSGLSFGIKILANIAFYLGCLILFLCFVMENTKFLNLLVQTTGSY
LQWCIFQVPPFTDAFGALTEGEGRAVDGNGSASWFIGAWTVFYMAWVAVACFVGMFVGR
ISKNRTLREVIFSVFICPVLYSLIWF SFGGIGLRQQRQALELQQIGTDSFNDSSYFVSE
ESEFCYDVPQEDVVVNGTTVFTNQLVGITPVCTFN SGNADGAW

>comp15090_c0_seq8; 405 89 1744 LEN=2983; translated
MSTPPDPSTMESQGGNSDIEVEEDIVLQEGPRDPIDDEKKPTASSDGKSPFQFPMRSFEV

KLPFLKNSMTFNPVVSIALAVLWGLTAYCIAQPEKASETLNFWFNNTIDLFTWIFYIVAN
PILTFFIFWVAYRFGNIKLGEKDAEPEFSNASYFAMIFSAGVGVGLFFYGVSEPLWHVRP
DNYFSNAGYRSQNEIDEWLSVITLYHWGFAGWSVCKXQKKFCELCKHNVVVPSRFDCCLN
SKYRHSCGSCYWISKLSLRTTDDDPINILPDFGRLLLGLDGLIDSYSIVMTVAGVCTSL
GLGAMQMVAGLQRLGWVDPEREDLEDVYVILIWVITAVATISVVSGLSFGIKILANIAFY
LGCLILFLCFVMENTKFLNLLVQTTGSYLQWCIFQVPFFTDAGALTEGEGRAVDGNGS
ASWFIGAWTVFYMAWVAVACFVGMFVGRISKNRTLREVIKICPVLYSLIWF SFGMG
IGLRQQRQALELQQIGTDSFNDSYFVSESEFCYDVPQEDVVVNGTTVFTNQLVGITPV
CTFN SGNADGAW

>comp15090_c0_seq9; 307 264 1049 LEN=2189; translated
MTVAGVCTSLGLGAMQMVAGLQRLGWVDPEREDLEDVYVILIWVITAVATISVVSGLSFG
IKILANIAFYLGCLILFLCFVMENTKFLNLLVQTTGSYLQWCIFQVPFFTDAGALTEG
EGRAVDGNGSASWFIGAWTVFYMAWVAVACFVGMFVGRISKNRTLREVIKICPVLY
SLIWF SFGMGIGLRQQRQALELQQIGTDSFNDSYFVSESEFCYDVPQEDVVVNGTTVF
TNQLVGITPVCTFN SGNADGAW

>comp15090_c0_seq10; 755 89 2572 LEN=2679; translated
MSTPPDPSTMESQGGNSDIEVEEDIVLQEGPRDPIDDEKKPTASSDGKSPFQFPMRSFEV
KLPFLKNSMTFNPVVSIALAVLWGLTAYCIAQPEKASETLNFWFNNTIDLFTWIFYIVAN
PILTFFIFWVAYRFGNIKLGEKDAEPEFSNASYFAMIFSAGVGVGLFFYGVSEPLWHVRP
DNYFSNAGYRSQNEIDEWLSVITLYHWGFAGWSVYILVALATGLASYRFLPMTIRSTFY
PILGDYCWGWIGDLIDSYSIVMTVAGVCTSLGLGAMQMVAGLQRLGWVDPEREDLEDVYV
ILIWVITAVATISVVSGLSFGIKILANIAFYLGCLILFLCFVMENTKFLNLLVQTTGSY
LQWCIFQVPFFTDAGALTEGEGRAVDGNGSASWFIGAWTVFYMAWVAVACFVGMFVGR
ISKNRTLREVIKICPVLYSLIWF SFGMGIGLRQQRQALELQQIGTDSFNDSYFVSE
ESEFCYDVPQEDVVVNGTTVFTNQLVGITPVCTFN SGNADGAWFNVMSFSYPTNGFGG
FGPFLSGLSIFTLAIYFITSSDSGSLVVDTLASNGESDHHWIQRVFWAVTEGAVACALLI
AGKDKALKALQAASIVFGLPFNLMLIMCLSVYVMCKAIEEGKNPNKIEPNVLLPKVQGS
WTTPLFGGIFNVFEFIIISLGFVHESRKEKGMHLPTSEQSVEFLKALFLPFLSFYQVYTS
VMDPKQKNKTRNALLTVVYALCYVGWIVLFLSLGAINHGFIALGWSLFFTNACILTVLRMN
FRARLTIRGNFIGDFFASSFMYPQALAQMV IQLNSDAASELVEVETR

>comp15090_c0_seq11; 497 264 2063 LEN=2170; translated
MTVAGVCTSLGLGAMQMVAGLQRLGWVDPEREDLEDVYVILIWVITAVATISVVSGLSFG
IKILANIAFYLGCLILFLCFVMENTKFLNLLVQTTGSYLQWCIFQVPFFTDAGALTEG
EGRAVDGNGSASWFIGAWTVFYMAWVAVACFVGMFVGRISKNRTLREVIKICPVLY
SLIWF SFGMGIGLRQQRQALELQQIGTDSFNDSYFVSESEFCYDVPQEDVVVNGTTVF
TNQLVGITPVCTFN SGNADGAWFNVMSFSYPTNGFGGFGPFLSGLSIFTLAIYFITSS
DSGSLVVDTLASNGESDHHWIQRVFWAVTEGGKLTGKHEVAVVSXNWPANVASLFLKIAF
NDTLAVACALLIAGKDKALKALQAASIVFGLPFNLMLIMCLSVYVMCKAIEEGKNPNKIE
PNVLLPKVQGSWTTPLFGGIFNVFEFIIISLGFVHESRKEKGMHLPTSEQSVEFLKALFL
PFLSFYQVYTSAVMDPKQKNKTRNALLTVVYALCYVGWIVLFLSLGAINHGFIALGWSLFF
TNACILTVLRMNFARLTIRGNFIGDFFASSFMYPQALAQMV IQLNSDAASELVEVETR

>comp15090_c0_seq12; 405 89 1744 LEN=2884; translated
MSTPPDPSTMESQGGNSDIEVEEDIVLQEGPRDPIDDEKKPTASSDGKSPFQFPMRSFEV
KLPFLKNSMTFNPVVSIALAVLWGLTAYCIAQPEKASETLNFWFNNTIDLFTWIFYIVAN
PILTFFIFWVAYRFGNIKLGEKDAEPEFSNASYFAMIFSAGVGVGLFFYGVSEPLWHVRP
DNYFSNAGYRSQNEIDEWLSVITLYHWGFAGWSVCKXQKKFCELCKHNVVVPSRFDCCLN
SKYRHSCGSCYWISKLSLRTTDDDPINILPDFGRLLLGLDGLIDSYSIVMTVAGVCTSL
GLGAMQMVAGLQRLGWVDPEREDLEDVYVILIWVITAVATISVVSGLSFGIKILANIAFY
LGCLILFLCFVMENTKFLNLLVQTTGSYLQWCIFQVPFFTDAGALTEGEGRAVDGNGS
ASWFIGAWTVFYMAWVAVACFVGMFVGRISKNRTLREVIKICPVLYSLIWF SFGMG
IGLRQQRQALELQQIGTDSFNDSYFVSESEFCYDVPQEDVVVNGTTVFTNQLVGITPV
CTFN SGNADGAW

>comp15090_c0_seq13; 274 89 709 LEN=1239; translated
MSTPPDPSTMESQGGNSDIEVEEDIVLQEGPRDPIDDEKKPTASSDGKSPFQFPMRSFEV
KLPFLKNSMTFNPVVSIALAVLWGLTAYCIAQPEKASETLNFWFNNTIDLFTWIFYIVAN
PILTFFIFWVAYRFGNIKLGEKDAEPEFSNASYFAMIFSAGVGVGLFFYGVSEPLWHVRP
DNYFSNAGYRSQNEIDEWLSVITLYHW

>comp15090_c0_seq14; 496 89 1657 LEN=2896; translated
MSTPPDPSTMESQGGNSDIEVEEDIVLQEGPRDPIDDEKKPTASSDGKSPFQFPMRSFEV
KLPFLKNSMTFNPVVSIALAVLWGLTAYCIAQPEKASETLNFWFNNTIDLFTWIFYIVAN

PILTFFIFVWVAYRFGNIKLGEKDAEPEFSNASYFAMIFSAGVGVGLFFYGVSEPLWHVRP
DNYFSNAGYRSQNEIDEWSLVITLYHWGFAGWSVYILVALATGLASYRFGLPMTIRSTFY
PILGDYCWGWIGDLIDSYSIVMTVAGVCTSLGLGAMQMVAGLQRLGWVDPEREDLEDVYV
ILIWVITAVATISVVSGLSFGIKILANIAFYLGCLILFLCFVMENTKFLNLLVQTTGSY
LQWCIFQVPFFTDAFGALTEGEGRAVDGNGSASWFIGAWTVFYMAWVAVACFVGMFVGR
ISKNRTRLREVIFSVFICPVLYSLIWF SFGGIGLRQQRQALELQQIGTDSFNDSSYFVSE
ESEFCYDVPQEDVVVNGTTVFTNQLVGITPVCTFNNSGNADGAW

>comp15090_c0_seq15; 566 264 1964 LEN=2071; translated
MTVAGVCTSLGLGAMQMVAGLQRLGWVDPEREDLEDVYVILIWVITAVATISVVSGLSFG
IKILANIAFYLGCLILFLCFVMENTKFLNLLVQTTGSYLQWCIFQVPFFTDAFGALTEG
EGRAVDGNGSASWFIGAWTVFYMAWVAVACFVGMFVGRISKNRTRLREVIFSVFICPVLY
SLIWF SFGGIGLRQQRQALELQQIGTDSFNDSSYFVSEESESEFCYDVPQEDVVVNGTTV
TNQLVGITPVCTFNNSGNADGAWFNVMSFSYPDTNGFGGFGPFLSGLSIFTLAIYFITSS
DSGSLVVDTLASNGESDHHWIQRVFWAVTEGAVACALLIAGKDKALKALQAASIVFGLPF
NLLMLIMCLSVYVMCKAIEEGKNPNKIEPNVLLPKVQSWTTPFLGGIFNVFEFIIISLGF
VHESRKEKGMHLPTSEQSVEFLKALFLPFLSFYQVYTSAVMDPKQKNKTRNALLTVVYAL
CYVGIWVLFSLGAINHGFIALGWSLFFTNACILTVLRMNFARLRTIRGNFIGDFFASSFM
YPQALAQMVIQLNSDAASELVEVETR

>comp15091_c0_seq1; 465 218 1462 LEN=2017; translated
MASSERSLCCDESENSSNKSSSVVPLPSSSGTEVLWRQHPRQARMRIGRKNISLASDAFV
SALISFLLLYLSCCCSGFGPVASSTSPSTREHHILKMTDPDIATTTLAAAATDGTDP EEHC
AESNNKNHSDENGFATACCQGEATGTAYTHIETRFVLETRHPGNV GASARSMTMGFN
DGLVLRPGRDDRVLGRKKCKEAASGAGNVLEGAILVLDENENDGNGGNNNNNATSLV DK
AMELAF AAREEQPNNDQHEIPTKVD SERDYPLTTTTTIVCGTGMPVDMGRERVAQRVVE
PRIFFDELLRRKEPLRRTTATTASSSSANHANTTMMETTKSVAPATNECERHVLRI AFLFG
NEKHGMPQDTEKCDVMLGIP TNPDFGSLNLATAVQIIAYDWRQALGGFPSPAD

>comp15092_c0_seq1; 625 99 1433 LEN=1836; translated
MTKHSSIIYMLWVFIAS IATGSALSAPSPVVKAPPVTASVYEETL PMLYASRLVYNFADIV
ERARDDKIDLKLPEDFPLKDL SRFQEE SIDLREFNGGNGISFAQLNDV LNLNAEVIAAKF
NDKDSEYTKSVVTDIRDYFANSEGDEGSEKNYFLSTYRSLQNKIACVYGVV KDTQNKRII
VSFRGSQNPFTNRDWKTFNNAKLV ELKTPKKVRDKMEGV LQKRVLVHRGFY EYLF DNKKL
DGMQKYDEIISDIEPLMEDGYSLYVTGHSLGGALATMFSFKLAGAGKKRDWVPKPVSCIT
FCAPFSGTSGYRTAFEQMELDGLIRSLRVNNGEDIVPAIPTNSIGIGKRRSMKHTGINLR
LTKKGMRL LHSSNSGLTNAIRNSFLKPIWKGLTWHGLPLVEDRLNNNADKLTAVTLDDLY
KDDSI VSSSFKEGQVNHDKDEKDL

>comp15092_c0_seq2; 311 1 706 LEN=1109; translated
NLPNSESVALTNTQHNI SPFSEYLF DNKKLDGMQKYDEIISDIEPLMEDGYSLYVTGHSL
GGALATMFSFKLAGAGKKRDWVPKPVSCITFCAPFSGTSGYRTAFEQMELDGLIRSLRVN
NGEDIVPAIPTNSIGIGKRRSMKHTGINLRLTKKGMRL LHSSNSGLTNAIRNSFLKPIWK
GLTWHGLPLVEDRLNNNADKLTAVTLDDLYKDDSI VSSSFKEGQVNHDKDEKDL

>comp15093_c0_seq1; 1021 180 2567 LEN=2797; translated
MASTAAAGVPSSSSAATPVSSSGDAAASSAAGLSAGASTVPDSVA AVFQKTRHVS IWDED
GPGVDAWIGKIPGPF RSVGTKGETPGGPDQATSNASSTVNKTSLSPEVTKQTWSNLRRGV
DQLGITLRKKEEGTDGHANDDGPPLAKRQKRSADDATTGKATTGD KKKPKEMYSV VDPYN
LYRHTMRVVDGEENEDDEDLLEIEDDAARDLKT TIGGKFTQLTISGLINGLAGHLGGIV
NRKEQPLPNVDATLLNAIPTAGGASLAVLRQLAHSLSHSIQ TQIEADV LITTPLR IKDML
AKDATAVEFKNYQKRVDYD TVVLGNGLSQPEEIDIPTAAANSQGVHVLEKFKK CASCNTD
QSLFVLD RKNGDIICSACGTVNSESLMHEG SQFRKFEGEVDRNH HGDTONPLYSNAHNMS
TTLGGVQVNTGAGVGGFGSQRGRNLETILRNAHAYTELNISQFGKEDRRTRQGYKDKKKK
DAFIQMANVGDALNLHEAVIQRAKELYACFREDRELLQHEKGI IAACLCIAFDQMSKDGQ
NILKQKQLTIAETSYNPRASRRNKLHHTKLAGKGLLLDMSIAKEKGTGKKESLAKK
TISSWTLED CRSWLMEASKSIAQEWVEGRKNGEKNIPPGSMQELEGKLV LNSIALCNTLE
NELNRANNGTASARGGRGRVVTPRVNDMTKLGIKWQHSHERGSGGKGGVGGSGNRS PQGT
NSRRTAGQVLI LKTAKKLGQIVQDKTAGEA IHKELRSLVNKQQALKRQELRNEATRQRLV
QMKRKPWLQARAQID

>comp15093_c0_seq2; 638 576 2762 LEN=2992; translated
MDF TIRASEYPNDADGYEKHGXTATSNASSTVNKTSLSPEVTKQTWSNLRRGV DQLGITL
RKKEEGTDGHANDDGPPLAKRQKRSADDATTGKATTGD KKKPKEMYSV VDPYNLYRHTMR
VVDGEENEDDEDLLEIEDDAARDLKT TIGGKFTQLTISGLINGLAGHLGGIVNRKEQPL
PNVDATLLNAIPTAGGASLAVLRQLAHSLSHSIQ TQIEADV LITTPLR IKDMLAKDATAV

EFKNYQKRVDYDVTVVLGNGLSQPEEIDIPTAAANSQGVHVLEKFKKCASCNTDQSLFVLD
RKNNGDIICSACGTVNSESLMHEGSQFRKFEGEVDRNHGDTQNPLYNAHNMSTTLGGVQ
VNTGAGVGGFGSQRGRNLETILRNAHAYTELNISQFGKEDRRTRQGYKDKKKKDAFIQMA
NVGDALNLHEAVIQRAKELYACFREDRELLQHEKGI IAAACLCIAFDQMSKDGQNILKQKQ
LTIAETSYNPRASRRNKLHHTKLAGKGGLLLDMSIAKEKGTGKKESLAKKTISSWTL
EDCRSWLMEASKSIAQEWVEGRKNGEKNI PPGSMQELEGLVLSIALCNTLENELNRAN
NGTASARGGRVVTPRVNDMTKLGIKWQHSHERGSGGKGGVGGSGNRSPQGTNSRRTAG
QVLILKTAKKLGQIVQDKTAGEAIHKELRSLVKNQQAALKRQELRNEATRQRLVQMKRKP
LQARAQID

>comp15093_c0_seq3; 638 417 2603 LEN=2833; translated
MDFTI RASEYPNDADGYEKHGXTATSNASSTVNKTSLSPEVTKQTWSNLRRGVDQLGITL
RKKEEGTDGHANDDGPPLAKRQKRSADDATTGKATTGDKKKPKEMYSVVDPNLYRHTMR
VVGDEENEDDEDLLEIEDDAARDLKTITIGGKFTQLTISGLINGLAGHLGGIVNRKEQPL
PNVDATLLNAIPTAGGASLAVLRQLAHSLSHSIQTQIEADVLTITPLRIKDMMLAKDATAV
EFKNYQKRVDYDVTVVLGNGLSQPEEIDIPTAAANSQGVHVLEKFKKCASCNTDQSLFVLD
RKNNGDIICSACGTVNSESLMHEGSQFRKFEGEVDRNHGDTQNPLYNAHNMSTTLGGVQ
VNTGAGVGGFGSQRGRNLETILRNAHAYTELNISQFGKEDRRTRQGYKDKKKKDAFIQMA
NVGDALNLHEAVIQRAKELYACFREDRELLQHEKGI IAAACLCIAFDQMSKDGQNILKQKQ
LTIAETSYNPRASRRNKLHHTKLAGKGGLLLDMSIAKEKGTGKKESLAKKTISSWTL
EDCRSWLMEASKSIAQEWVEGRKNGEKNI PPGSMQELEGLVLSIALCNTLENELNRAN
NGTASARGGRVVTPRVNDMTKLGIKWQHSHERGSGGKGGVGGSGNRSPQGTNSRRTAG
QVLILKTAKKLGQIVQDKTAGEAIHKELRSLVKNQQAALKRQELRNEATRQRLVQMKRKP
LQARAQID

>comp15094_c0_seq1; 464 1 1436 LEN=1454; translated
SSFTLFIIYIRTHPNQRETIPNTTTHGRKHNSDRNKKMETSCPCSANNNGEGSFEVNLTHQ
GKSRTIRVSAATTGLELHRRTLEAVFGVATATDPDGSPTTELLKLLFKGKRITPQAEIPIF
AGLSASKNKKTPKIMVIATNTSAIEELATKRSDPTIRGFQDERDAIDRRKAASASSRHW
DSMVQDRDYKFVRMKACTDHSFGHRSTKTPHAFQAMELLEKMATDPGVVAIMRERELVV
GTLGEMPIDDRIMQKTEEHGGCLLGYNTNRGLRIDLKLRTDDLSGFRPYPELVKTLIHE
LSHNWVGDHNLFWTNYAQMRAEYLATHARLRSVAVVRGKKTAEAGLDDRELGDVFGS
ITAELVREMAQHGLHPGAIIEGPLRQRIAELEEETLALDRAGGNRLGGATSGALSSARELA
WAAAEERRAREQQQQQQQQQKRNGGKXPVTPVECEKEEGSSVLHRENEARIALLCD

>comp15094_c1_seq1; 816 63 1832 LEN=1933; translated
MTADELNNDISKNSNSSSSSHKKNKTSKQERRRRTMPSFQLYQKPENLTPQRCQRIVK
YARKRLRGQDNNSTDSQDYTTMNHWATRVI PHHKIVLGDVLRGAFSSVYAIQSIAGEEP
AIEEYEDDETDRMVVKFLRTKLYDNHGLFAASAADLVKEGNILSTLSHTNVIRLHAVAS
NYGVNSYLNHHDYSYFLVLERLECTLTDRLSRWQRRHRELF FASECESDATAQFVDASLL
SSTRSANGKGRKRLSLFRSSKNKTDPLFEDSARTATTQASSCDGSIHGSSEEDNRDAL
AKSYLLEERVDVTLQLADALAYLHSKNVMHRDLKPDNIGFDADGILKVFDIARVVPTS
KLREDDFCGEDDSEVFATSSCSLRPTKAEDVFRMTQKVGSPRYMSPECANREAYNLKAD
VYSYALLAHQILTLQKPYDDITDEDHDEMVFRCRGPVFPVPLGLPSRVRELLSNAWSPTIS
HRPTMEVVRSVLASERSDVLRLGLTLERTSPAVPVANTTGYVWVSCSFEPVSDNHRMLRKIR
RATRKAQAKSASSGSGKPHRFVFRSSGTTGGSIDGTRS YHWSAIAA

>comp15094_c1_seq2; 87 154 930 LEN=930; minus strand; translated
MWYQSKHGVIILFCHKTINVEITNVAPAAIGSDRCGNPSKPVAGVSTEVFVLSCPALSCPS
LVPPRVSSSLVPSAALKVEAAGVGI LRGRVLPQAPQAPALHGPPGEAAAGRGGRIAAIA
LGRGQARPQHPIAGSLFVGVGVGVQKQNPASGGGLPGRDARFPVLDLLRDPPLPEPH
QGGRRPARAPGPQDVPAGFVDPVPLQRVENPSAADSVAERRCGCGCEGKASPVRFASPIG
SPVEAIRPRMVPMSRSRX

>comp15094_c1_seq3; 113 1 597 LEN=597; translated
XDGVLSHLHRRILDHVVAAGGASIVLLDRVDCSCHPTDDSDAAAIRDGMHSATGCTCG
GEHSGRWWQGLRMFIASQPAVFENTIVLMTSHVGTATAEKWTRKRLQQRASASEMRSKKS
ELESLLRYEIHNYHHGSSGRSGHGTDDTRVDGLGTDDXAHRS DGTLDAMDGTILGRMAS
TGDPMGDAKRTGEAFPSHPX

>comp15094_c1_seq4; 13 1 324 LEN=652; translated
XRRKACVPSGEAPPSPWILLDDADADEKSGDRLVLRSCLPATEGDGGDPSPPSGRGLA
XEDRGGPAPGVLGGGPFRRGGLRLLPLPVSAAGDTRLDKHEAGR

>comp15094_c1_seq5; 178 1 452 LEN=452; translated
SSSSSSSLHAPPLVIYASGGKGVGKRSLARLLLGQLLRTQRTNGNEMDTRKVPNTSLDD
CEDVWAQQKAAATAATAFRWDETFQEENVARSERGRSRYCPLLHLTPSDYYLEEEQEDV

HSGQGHGDDGVLSSHLHRRILDHVVAAGGGA

>comp15095_c0_seq1; 418 532 1632 LEN=2051; translated
MDKNSTPTVPVCLEAADLTWHDFVSVYDPFYAGDDGLNATQRLAIVKSSLAISEHNYQN
TSSYTLGLTPYSADSQLEYEQRSGYFYVNTSMTKDELVPFDPMTWAAADIPKQVDWVAAG
VVTPVVDQGRCGASWAIGVCGAIEGAAFLGDGFNQSVSFQQFLSCNKRNLGCDGGSATVA
AMYAANNWFGGVTTLDGYPYTDADGTTTEFCNLTKKEYPPLALEATDVITVVGLDAEIRFQ
RRMEDFKLALAIEKPIAVIMKSSCVLFSNYISGILTDGDCSCSDSTCFDHTVLMVGFDDK
VDTPYFKLKNSWGTRWGEEGYFRVAQTKKGFGLFGILGEGLMIDAQQSQGNADMI EVVE
YKQFPTW

>comp15096_c0_seq1; 598 344 2533 LEN=2651; translated
MTSSYYLPRNGRYNKYGHQDQAPERKPYEYSGRANGNRNNAMERNRNSGMMWF SFCLMVW
ALSLQFGGVLRARPSSRIPAQDGFDP RPQQQLPPSMEQRRRIHPQQARRMHQQHPSRQ
IQQQHLLDNKQQKRRRAEEISDTGEIILDEVVVTDPLEGFRNYSKAADPKAWENNEKIQ
TISSMEGKLRATLLQKYDRNSYPWEWAWDQNFEEYDREGENEGDNRTESSKIRQGLPVD
FGLNFHKVHDLDAESTADLVIWVRISWVDPRLAWDPNDFNGLKNCWFFVTDGIGGGEVS
EIIWTPDIYLNQEDTMANSLANTYAI VSSDGSVYWSRPGRLKSTCKYLGLNFPPDDLSC
ALEFGSWAHSGLYIRPSKLDGTGYSIGNSETSGSSFVEFEIHDVEVESVYPPFLAAPEE
DWPVLIYTLTFKRASAPYLRGVLLTNILLNMAAFACFWMPPHVGERMGLAITCVLAAVAG
ELVMASNLPNCSEMSWYNKFMFGSSGFALLVVFQSAVVIYFFFLT KDDDLVPGYIKWLKRK
LLNEKKKKEYSSVEKAKDQHTNDMTQDDEEDNFPTNLNRKASINSVEEEEDSDAQTQSP
ENERMFQRPKLLPSQSEKSIDIFQSTTNRARRRVTLNLNDSMVNGSTLAQFLHTQNALTG
DTTPRYRDDAEDDAEKEAAKERENQKRWMKVGENIDSACRVIVPAGYLAFLALIFKDTGHE
FEGFYSLFN

>comp15096_c0_seq2; 468 344 2707 LEN=2825; translated
MTSSYYLPRNGRYNKYGHQDQAPERKPYEYSGRANGNRNNAMERNRNSGMMWF SFCLMVW
ALSLQFGGVLRARPSSRIPAQDGFDP RPQQQLPPSMEQRRRIHPQQARRMHQQHPSRQ
IQQQHLLDNKQQKRRRAEEISDTGEIILDEVVVTDPLEGFRNYSKAADPKAWENNEKIQ
TISSMEGKLRATLLQKYDRNSYPWEWAWDQNFEEYDREGENEGDNRTESSKIRQGLPVD
FGLNFHKGEPVICVLVVGGSVEMMIRFDSTMQCNVKAKSLFPHLLVSIENPMQHDAPO
HNAKKVHDLDAESTADLVIWVRISWVDPRLAWDPNDFNGLKNCWFFVTDGIGGGEVSEI
WTPDIYLNQEDTMANSLANTYAI VSSDGSVYWSRPGRLKSTCKYLGLNFPPDDLSCAL
EFGSWAHSGLYIRPSKLDGTGYSIGNSETSGSSFVEFEIHDVEVESVYPPFLAAPEEDW
PVLIIYTLTFKRASAPYLRGVLLTNILLNMAAFACFWMPPHVGERMGLAITCVLAAVAGEL
VMASNLPNCSEMSWYNKFMFGSSGFALLVVFQSAVVIYFFFLT KDDDLVPGYIKWLKRKLL
NEKKKKEYSSVEKAKDQHTNDMTQDDEEDNFPTNLNRKASINSVEEEEDSDAQTQSPEN
ERMFQRPKLLPSQSEKSIDIFQSTTNRARRRVTLNLNDSMVNGSTLAQFLHTQNALTGDT
TPRYRDDAEDDAEKEAAKERENQKRWMKVGENIDSACRVIVPAGYLAFLALIFKDTGHE
GFYSLFN

>comp15097_c0_seq1; 827 271 3756 LEN=3921; translated
MGCSQSSDGAANLSPSFSMPVPEQSEHSTANGSHHNSKANGTQSVSLGAAIEQTKQPEKA
VVSNSNEASVNLAHGGAGNSQVVRNGQNGNSSIRVGAAPIPAMTISNGGLVGGATAALAS
VTASSASASSGTSGSFAVPTAEGATAALAASAGTDDISSIGSMTAGSLGENKSNDGVNGN
ANNNGALDRSHRSSSGLHRSRISLGNSSSVIGLDSMIESRREEGGLTANVVHMEVFPFGKP
IEEVYDGVQTPVLGSGISGVVRLVTHKATGVKYAVKCLDLGLVDTEEGLMQLREEIYIM
CQLDHPNIVRLEEVEYHSEIYL VQELCLGGELFDRLDEQPDYHYTEAECAKLIKQMLCA
VRYLHSGKIIHRDLKLENFLFSSSAPDSELKMIDFGLSKHFQYGEIQQAVGTPYTVAPE
VIRGRYDERCDIWAIGVIAFLLLSGEPPFGGCGGPEPLMTVRANILNGAYEFEPFEI WDL
VSDSAKDFIKALLVTDPKFRPTASNAQKQPWLTEWAHKT KDNDHILNPNVVRALVNFKE
FSDMRKLLCEVLSFTLLPEQIKDLRKEFETLDTEGSGEISLLSLKQVLVTNAGAGSLGAL
TEEEVEDIFNAMRVKKTETTIRWHEFIAAGLSQCEVDDRNLRLAFDRLDNDHKGVKCMGK
PLRHSTGSPKLVRFLLDASSYNQTSRDFVCP SFLDVTLLDDIMDLMGSDAVQGEALRK
MWGDSMKDCNCSLARITYEDFV LIMKGQTRFEDGEGVARSDSGQRLNGALMHAVNEVDE
AETTLRSSLKSNRKSLSMEENETDQAGETVMASTPQLMKPLTGFLNPSAPDGEYQES
PFSMDDDDDVAMPAAFPVPTFSPSTPKRGPSSPRTEPKIRPLSVMDEVMAQTINSDEP
TNIHPLIPNPKPNIHVRVKSRSFDEREMKSFCDVDSRRAVALPEHDPDRKSLIMNDK
QMSALQVNRQLYRSHRQMR LSVIDACKRFEDHQARHAHVLLAEKNMASMGATAGLVMRR
VDNKTVSSEI IKQRLEQNRQQQLMDKANRRSGRRSSRKKTVSDLSTMMGSLSSSEEM
TKISIQAHDTPTPLTANAPNRVENTTMYNSTIIPTVIE TKPLENTSDDTNRFPATVPGE
FRRVNDPFGSHGKYASMMTSK

>comp15097_c0_seq2; 920 271 3630 LEN=3795; translated

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>comp15098_c0_seq1; 523 209 1483 LEN=1861; translated
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>comp15098_c0_seq2; 521 1 2863 LEN=3269; translated
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>comp15099_c0_seq1; 986 430 3039 LEN=3220; translated
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>comp15100_c0_seq1; 853 1 3590 LEN=3619; translated
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>comp15101_c0_seq4; 507 524 2432 LEN=3273; translated
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>comp15101_c0_seq5; 412 231 2394 LEN=2853; minus strand; translated
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>comp15101_c0_seq6; 163 515 1061 LEN=1287; translated
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>comp15101_c0_seq7; 389 474 2690 LEN=3149; minus strand; translated
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>comp15104_c0_seq1; 396 1 1286 LEN=2447; translated
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>comp15104_c0_seq2; 418 1 2124 LEN=2361; translated
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>comp15104_c0_seq3; 542 1 2009 LEN=2246; translated
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>comp15104_c0_seq4; 396 1 1286 LEN=2601; translated
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>comp15104_c0_seq6; 286 21 869 LEN=869; translated
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>comp15104_c0_seq7; 380 1 2038 LEN=2275; translated
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>comp15104_c0_seq8; 439 1 2095 LEN=2332; translated
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>comp15104_c0_seq9; 504 1 1923 LEN=2160; translated
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>comp15104_c0_seq10; 432 1 1466 LEN=2515; translated
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>comp15105_c0_seq4; 262 1 1031 LEN=1433; translated
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>comp15110_c0_seq2; 711 1 1378 LEN=1420; translated
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GLIMKTSKYAAKMVRKTEQCEAVTLCSHLFYVVDNDGSTVVYSNPQRCLECLQRALKLAN
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>comp15111_c0_seq1; 732 124 3198 LEN=3668; translated
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GDDILVAMEYFGILTASPGHFVHFSRDAYARVQAWSRYFTYRVGLVESLLEAYDDVEVEE
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RFYS

>comp15111_c0_seq2; 732 124 3198 LEN=3885; translated
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GGLYELFCETNESKGRDVMNPSADDSCEKRSGESFSSKVTSLRIRQDFCLHLRHFLPWS
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SEITLADDKVTTSAKSSVDKIKISLDSIKNTKRYDYDKDMNGTYMLFEIDSALTHEKGFNG
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RFYS

>comp15112_c0_seq1; 1159 98 3790 LEN=4006; translated
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LSGIVNTCLQNMSTNSAMD TTNLWTKLVEVVVNGAVATSVTEVSP IHGAAAAIKDLDEV
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EVLTA LVKMCLDL SCTTANDENYQDIALAALQVLASLVSVGDVRHRVISPAMAQSLAEKV
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PMRVEVVKRCMTTMS SCLERRDGIARILQGNLSGADEQEDYASQLRGEDSLLTPLVDSIG
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AGDGVVLYEIAVSALASLVLFPGPKDLKVFVNRNAVTEIFLKSLEPLEQDEDEAKICHAGLC
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>comp15113_c0_seq1; 682 221 2239 LEN=2263; translated
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LIQDQEDQMNGFVRNSCVSFTSGMGTAQHTENWNRVRDAAGGVVMVLVTPERVFQSGKLR
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RDECVKIFQLSRDYDFRSTANRPNLSYQVRPKEANVIEDMVDFIKNKPPGSAGIVYTYS
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>comp15113_c0_seq2; 794 221 3133 LEN=3219; translated
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SVSDSGPQHEQQRRREEEDIEDYYSYDSGDDRYVEESRYPVEPAHAPEPVPVPAPAAAAH
QKRKSSMGTLNDFLIPSFQRNSSNNHGSNQNQQYNQYASTPAAAASGSCQYSSHDIHQTL
RQSFRLQNFRENQFEIIRSTLSGKDTFVLMKTGGGKSLLYQLPAVLES PRVTIVVSPLLS
LIQDQEDQMNGFVRNSCVSFTSGMGTAQHTENWNRVRDAAGGVVMVLVTPERVFQSGKLR
SELQKLDQNLGRFVIDECHCACQWGHDFRPDYAKLKVLREHFPRIPIMAVTATASKQV
RDECVKIFQLSRDYDFRSTANRPNLSYQVRPKEANVIEDMVDFIKNKPPGSAGIVYTYS
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RFVLHHTLSKLTLESYYQESGRAGRDNPADCVLYYSPKDVPRMLSMIHGDSTEDLFLTMV
RYASNFGDDEACRATILRQMGEPNQDLEKHKGVSDVEVEKRNVTPHAITFLELLMTFQNK
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VYLQCTESSTMFLVSDKACMILALPKPANKKRKSNANTPAMDKD GWVESNASKRRRVSKA
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>comp15113_c0_seq3; 475 1 2035 LEN=2121; translated
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FQSGKLRSELQKLDQNLGRFVIDECHCACQWGHDFRPDYAKLKVLREHFPRIPIMAVT
ATASKQVRDECVKIFQLSRDYDFRSTANRPNLSYQVRPKEANVIEDMVDFIKNKPPGSA
GIVYTYSRKDADTVASELCDHGIVAESYHSDVTPVRKKAVHKSWMANRTQVVVATIAFGL
GINKPDVRFVLHHTLSKLTLESYYQESGRAGRDNPADCVLYYSPKDVPRMLSMIHGDSTE
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RRRVSKALVPSSKKKAAAKTKKRATTKKAAAKKSTAKKTTKKTTKTTTASTRRDTARGA
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>comp15113_c0_seq4; 250 1 1141 LEN=1165; translated
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FQSGKLRSELQKLDQNLGRFVIDECHCACQWGHDFRPDYAKLKVLREHFPRIPIMAVT
ATASKQVRDECVKIFQLSRDYDFRSTANRPNLSYQVRPKEANVIEDMVDFIKNKPPGSA
GIVYTYSRKDADTVASELCDHGIVAESYHSDVTPVRKKAVHKSWMANRTQVVVATIAFGL
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DLFLTMVRYASNVRSTTP

>comp15113_c0_seq5; 237 1 609 LEN=695; translated
LLTRFPTNHSTVVYLQCTESSTMFLVSDKACMILALPKPANKKRKSNANTPAMDKD GWVE
SNASKRRRVSKALVPSSKKKAAAKTKKRATTKKAAAKKSTAKKTTKKTTKTTTASTRRD
TARGAKPKGKLSKGEQNEVIELIEDSDSGSSELEIVKSTRNVRPHRAAAAASLNRIAV
ARDSNDFLSDVDDDSVSEAEFE

>comp15114_c0_seq1; 627 1 2202 LEN=2919; translated
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SRIPLPEETDEFGYKTFQTTDPLVGITDQGMRFQDGNERSNEKDDSIHSTEEAESNRVNG
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NPPSDGTEEFIPFEAFSKLGESESLVMESSLSSNIPEXDNDNSNLTQVETDDDSIIPGDSFMQ
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TDICVQRSDCASKDTTCQEKKSQNIQLGMLKPAEEDSCLNSKQSMQLEACSSSEVKKQEH
DEPYLRFENMHKMOVESAIVKTPKKSNLAEERSCNVERKDIHRNSTEEMPQSSRIEVNEG
KIQMSANEELNAVDPKKSSEEEIKESGCVGNAKETSQGDDEELNMIDQFGDHKGTSRIS
SGKESVGSENEELRDKDRRIDDESSATDRTSLVEDVSKERKHEEAVDARKMMTAEESPP
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>comp15114_c0_seq2; 784 91 2327 LEN=3044; translated
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EWQPDAKSSLHSYAIYPTLTPTKNKSDIVMKDTISKDSHRTRSHDVPANIDQKPICFESA
FEVLGIIAKEASRIPLPEETDEFGYKTFQTTDPLVGITDQGMRFQDGNERSNEKDDSIH
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VPLMEKLSLDANPPSDGTEEFIPFEAFSKLGESESLVMESSLSSNIPEXDNDNSNLTQVETDD
DSIIPGDSFMQLGATMMANDLICSKVENGQIDNIKRELLQCSRQYGVVSTRRIVEVGGK
LGARPSPLRVDTDICVQRSDCASKDTTCQEKKSQNIQLGMLKPAEEDSCLNSKQSMQLE
ACSSSEVKKQEHDEPYLRFENMHKMOVESAIVKTPKKSNLAEERSCNVERKDIHRNSTEEM
PQSSRIEVNEGKIQMSANEELNAVDPKKSSEEEIKESGCVGNAKETSQGDDEELNMIDQ
FGDHKGTSRISSGKESVGSENEELRDKDRRIDDESSATDRTSLVEDVSKERKHEEAVDA
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>comp15115_c0_seq1; 886 191 2026 LEN=2120; translated
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PAPFNFLAAILLNQKMLTLGKELQTAPLLPMLIEGQSFIDAQDELSVTD FMRKYGMPER
INSEVF IAMAKALDFIDPDKLSMTVVL TAMNRFLNEDNGLQMAFLDGNQPDRLCAMPKEH
IEARGGNVVMNSPIQEI VVDEADGKSIKHL LRSGEKIVADEYVSAMPVDIVKRMPKEW
QQMPYFRQFDELEGI PVINLHMWFDRK LKAVDHLCFRSRSP LLSVYADMSVTCKEYYPDA
SMLELVFAPCSP IAGGNTNWISK TDEQI I DATMGELARLPTEIAADDKWPSTKNQGPNG
QARLRKYSVVKVPRSVYAAIPGRNKYRPGQRSP I PNLTMAGDWT SQKFLGSMGAVLGGK
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LLKEVDPVQFA

>comp15116_c0_seq1; 193 63 749 LEN=955; translated
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DPKTMKEIRRVSVVERMDGKKALEMNEIEFWRGRILANIWFEDVILVIDPETGIVEKEYDF
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>comp15116_c0_seq3; 402 189 1877 LEN=2189; translated
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AVSYLADTM YLSREHVDTLLEPDDETR NAKPNKIDDETVRVDDEPEAETHETQKAEPNKT
EGMGVEVEDKPKPGKQETPKAKPNKIEGTGVEVDNPKPKPKRES PKAKQNKVKG TGIDVQ
GSLSAGNPQKENAMEKHSIQSGKCADNVDFRFDKPEKDCNWWATKKEKVCHKNRIKGC
PATCGVCAQDDQEI QVKAPGSSSVDDGSDTVSN NIAEGHEESDTKNAEDGEHQPTLVAGV
PDQDLYCEDLSRYEEWHKIKISKDSGKMF SVVDVLKHDRNSFTQGLTYARGTLFESAGLF
GKSTVRILDPDYATVQTKVSMKKYFAEGLAYYKDTLVQVTWKSHQGFVY NITNLEKIDE
FTFKTTLN EGWGITWDRCKDELIVTDGSENLFHWDPKTMKEIRRVSVVERMDGKKALEMNE
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>comp15116_c0_seq4; 402 189 1877 LEN=2083; translated
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EGMGVEVEDKPKPGKQETPKAKPNKIEGTGVEVDNPKPKPKRES PKAKQNKVKG TGIDVQ

GSL SAGNPQKENAMEKHSIQSGKCADNVDFRFKDKPEKDCNWWVATKKEKVCHKNRIKKG
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PDQDLYCEDLSRYEEWHKIKISKDSGKMFVVDVLKHDRNSFTQGLTYARGTLFESAGLF
GKSTVRILDPDYATVQTKVSMEKKYFAEGLAYYKDTLVQVTWKSHQGFVYVYITNLEKIDE
FTFKTTLNEGWGITWDRCKDELIVTDGSENLFHFWDPKTMKEIRRVSVERMDGKKALEMNE
IEFWRGRILANIWFEDVILVIDPETGIVEKEYDFSELWPKHERKKYGADVLNGISISGNP
DVLVITGKLWNRMYKIILLPEL

>comp15116_c0_seq5; 323 189 1265 LEN=1331; translated
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GSL SAGNPQKENAMEKHSIQSGKCADNVDFRFKDKPEKDCNWWVATKKEKVCHKNRIKKG
PATCGVCAQDDQEIQVKAPGSSSVDDGSDTVSNNAIEGHEESDTKNAEDGEHQPTLVAGV
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>comp15116_c0_seq6; 193 63 749 LEN=1061; translated
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>comp15117_c0_seq1; 922 151 4502 LEN=5156; translated
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SQSSQRPKSAQQDLDSFLKNGYLFDRREEQKQLLSSFYRTNLNSNSIELNTKKEFVLVS
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AFSNFVDLVLKNNNEVERIRELTCSSMSKGDIDLLETFSSLTRIIQPTHEGQQEHQCR
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SEFSAKLLLRAMPNRSNQHL SMMGYAYCPGLLSESLDMIEKELVRMNTGSGSFRFCHDK
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NIINDKAEKMMVASILLEAGELAIMGDFVTAATYLDLGIKCLKSNFVDVQNGYWRDEYD
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CYITMKSNPAAFTVFSYKFFESMTCLALAADATTKNKRXKFTKIATRSLQFMKKHAIHCK
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>comp15118_c0_seq1; 1054 456 3549 LEN=3714; translated
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SMPPTFSPAPTWAGGCDEPHNFHLDKCFRKRYKPKASAVAWDALGTVGQFSVMLVVFMAV
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>comp15118_c0_seq2; 1146 456 3443 LEN=3608; translated
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MYPYGTPIGSSGYAAFPGRHSGKQQVGYGNLYFFFDRANITKAFSPNRDLTSNEEYAT
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SAVAVDALGTVGQFSVMLVVFMAVTLISISIFLARARKRRRREGESYLGFFFRDLSRKRKK
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>comp15119_c0_seq1; 518 725 2568 LEN=2568; translated
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>comp15120_c0_seq1; 298 1 1267 LEN=2057; translated
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GAIPTFRNGKVIDYRMVLEDTYMNCGGGRTPWNTWVSCEEIEFTGKIYQVDPTGQRP
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GVV DYLIIIPNVNRTGGTFVWTDIQAAKSSAKLFYYPQSEIDVQDGIMYIVCKKIQQ
LFI FDLDRMIFRNVSTVSGLFDFGNPDQMQRILGKEGGLLYFTEEGGKDAGIHARDNL
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>comp15120_c0_seq2; 212 241 767 LEN=767; translated
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TPT

>comp15120_c0_seq3; 264 1 514 LEN=2169; minus strand; translated
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>comp15121_c1_seq3; 376 532 1290 LEN=1783; translated
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VVVSGGGDRPAPSWPLLPPEAPALRGGQQQLHPPERDNDNEEKEERRFHRAGPPCVI
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>comp15121_c1_seq4; 305 1 910 LEN=1284; translated
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DASGMSARKRMETVKGAVLALLTDAYQQRDRVGVISFRGIKAEVLLLEPTVSVELAERRL
QRLPTGGRTPLAHALS LAHDTLQRSHRNEPDLAVLLVVLSDGKANVPLPGDGS GSDVW
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ARD

>comp15121_c1_seq5; 376 571 1329 LEN=1822; translated
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VVVSGGGDRPAPSWPLLPEAPAALRGQQQLHPPERDNDNEEEKEERRFHRAGGPPCVI
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YGVLATVLDGDI

>comp15122_c1_seq1; 337 1 1017 LEN=1076; translated
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VLTDLIDSFKKWSKDADSGPGAGEETGRQRQNSRQIELLEELVKSHAYAVEMKRASTSAS
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>comp15122_c1_seq2; 755 1 2709 LEN=2947; translated
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VLTDLIDSFKKWSKDADSGPGAGEETGRQRQNSRQIELLEELVKSHAYAVEMKRASTSAS
TWLKSIGRRQSTVNSGVLSTGKQTPGAESTCAGQNKENKENNTNKIDKMDIVTLKATLHS
AQLELTKTKQTN SILNEELSNCR AEIGRIKTVSRSECLQQVDKSVLDDSEGSSHVSVKCE
SGTKEEGRSDFV PNNRPVAERFFHSATENEARDKIEASAQRDILVLKNALEKANETIRRL
HNELHENEGMEDITADLEPVP IVDIPDIQLRKS DSSSAPGTPDSLQRTVNVRLDAENFVT
DWYDLKTLPPPDHDLHSP I VSAVLEQWTQDRSLHESLMRWIENVMRSDDLEDLPLPTIS
SLDHQVRDGF SMHVLPHLLRRADIHVAVQTRAHRQTSYDMCVTVSQKKDFAASSFPVGFQ
SQYQVSLLDAGDSLSEDEWINRFEPRISSAESVAHSAVTEAISNIPPSTRTPVDIKDPF
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GLLSRNKYAASPGRLYQAHNQY YAPGSAPDGLPENLRVQMDLTSSPTVGTTRYQYAGEP
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>comp15123_c0_seq1; 731 155 1753 LEN=1959; translated
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PAPAGAQC PQNAEAAAPAPDRTEAFRVAGAAGLAGQSPAGPGPAQEVVRPLEGPGTTPA
VQQPDIHYTVFDVLKNNLLAWKRQRKNTVGGGSRQQLSASDAFVLGLLSKFVATIVTYP
LIRAKVLMVQGNNNNNNNGDDDDDDGTGKESTGR TSKARRFVSSRSSSSLLSVLEESYH
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>comp15123_c0_seq2; 741 155 1765 LEN=1971; translated
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AFGPSDAGKTSHGNE SAALAPPSGSSSSSSSFSSSSSPTTTPSEPSVVELVFHEACSCSE
DLFSLDGKTNSXEQQQEQQQQQRGTLRGARRRQQHQPVQQQQQPQRSEQH AVHQRGVQ
DEVEPAPAGAQC PQNAEAAAPAPDRTEAFRVAGAAGLAGQSPAGPGPAQEVVRPLEGPGT
GTPAVQQPDIHYTVFDVLKNNLLAWKRQRKNTVGGGSRQQLSASDAFVLGLLSKFVATI
VTYPLIRAKVLMVQGNNNNNNNGDDDDDDGTGKESTGR TSKARRFVSSRSSSSLLSVLE
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>comp15124_c0_seq1; 322 242 1780 LEN=2024; translated
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RATGFNTKDAAIRYCKCLDYLVEVFGEFALTRRLFITDLNEDEISYLHEGNFQILPSRDC
LGRRIVAYNIHPTSRPYSVEIIFKVYAYLLFAIISEDITQRNGMVYVGVIGKTKLSHG
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YSLRSFGIPVEDMPEMQSGQFKKNILRLIKVRMAMDKFAKEQEI VSKKLSRKRGAPSAPK
PFLGIECEPINFVILGSSKKNCSQNDKHIGNASFRRIMFANEGFKNYLKDRDEKGEGNSR
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>comp15125_c1_seq1; 623 210 2675 LEN=3851; translated
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SLSYLWRLGPQRELLREMLEDGIEAVLVKVCPPGLLPRKHLNKSRLFLSDIGLLERLNQ
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VPLLELVPYDNQEQPEQEYSKLSAEQDTEKTHVGGQAVPSVSFVYVYQGTGGLLHFSE
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TINAHYQAFFGSLPPSRSCVALGRGVLPGGRRVLLDCKVQIGSGEYMRPSTDGAVVGEA
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LQPTWTLQLEQCWKNVASVLDALNGGSLNDIFGSLVYLSDKIYPEERSLELLEAISRHEI
RTNGSIIAGRIDLTDTELEFGGYEDQGTWEEMKSQEEKEKEESMFNPCPILVVSIPEMP
KGAVVEVEVITSTVEAAKSLDTRDAIFSMDSNRRTSLMHNAPIGWESGHNFVPLSRNKE
GMRIDSYSRVIGKGC AA AVLVTASCSSNMSEPYEIQPEAMLVDMLSSVKSVLSEARAGIS
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>comp15126_c0_seq1; 456 136 2211 LEN=2333; translated
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NYGSFVTQHCCPAAEECRTSELNMDMAKATEQCQVDAWDSRKL VVKPRWLEDQPCCTLFK
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FDFKATNLTEPTLGGKILKQNDIYSRNDWDGAPIVVSKYKLIFFTPQKVAATR WKQAFR
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SVYSHLRDNWKQIDDRCCPNQRGCSSTLNMIQFIELMKVCHSTHWIPYSERLDSKWWEH
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>comp15127_c0_seq1; 1133 295 2845 LEN=3670; translated
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LDEADEMLSMGFAEDVETILDGLGEDNGKKPQCLLFSATTPPWVKQIGRQYQEDVKSIDA
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INEIAAAAIAKNAENSAVQQKIFGKTI VFTETKRAADELVSGGIFKSLTAQALHGDVGO
KQRDATLAAFRAGAFNVLVATDVAARGIDIKNVDLVIQFDP PRDVTYVHRSGRTGRAQT
NGVSVLMFSPNQSDIVRIERDLGHGFQFELSGPPSTTSVLKAAAKTSAVASMEIPDETA
EYFKDSAAALLKHGDPEEVVARCLAAISKRTSKAESRSLLTGESGLVTLEMSNNRGRPVS
AGDVMFTVGLKARMSQREGDDVSFESDVGKI QPNHEQGNCFDMDIEEGKKLVFAKGV E
AGGADIRILEELEVNRGRNFGQRLVVVAAAAEAAKVVEDTEAIMVEEVEVEEDMIVGVV
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DIKEYGRST

>comp15127_c1_seq1; 606 95 2461 LEN=2736; translated
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ALTDKSNNSCKDPSATRPGIKKASETNKKDSSGWTGFLTKNTSTSGKIDVYKAKKKKQT
TTRKPKDSIAPTSIAPK KKKDSGWAKGFLTNNNNNTKKKSNNTITQKNANYDTMQGTRKRGK
RSTMTDEEAVPLSVP SAQTPISASIPCNKKE SNVKNKRTTRSCELL SIDNNQHERDNRG
KSCNII GTQAMASIPQTTIASQKAKLV TAGSKKPLISILSEETTDTCNQNVGTGLTSAPR
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GILHAAKDHVQVSSASKNEIDNNGFVGNFCQFTTGSTNDEENEDPSVATKAPIHAEGGI
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VRSAgnRRRLAQSAWDTsILLIALHIRECGPSVQTLSSSSLTcPLSRNLGVDCLWEQLV
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DLDTILEM

>comp15128_c0_seq1; 479 1 1785 LEN=2016; translated
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GSELIgLLNAAQMARChAKLCAEGADsALQDLQRARDEAQKARDRAHRAERISRRYKKEK
QLLVREVRALRGDRRVLAKEvKSMRKLVRHNQQLETWRLlQDAMAVHESVLAHKTFtSGF
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IVFGTITNKtNHRskSPELSAVSASEPNSQSTGTkDNGDKPSKVESKRPSQTSPLPKLTS
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MDSPANDVESDSGLNlNTSMMSCDIPNDLHLQISIDEGCSfLNSSHHLEcSPASRFMITP
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>comp15128_c0_seq2; 458 1 1773 LEN=2004; translated
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QLLVREVRALRGDRRVLAKEvKSMRKLVRHNQQLETWRLlQDAMAVHESVLAHKTFtSGF
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>comp15129_c0_seq1; 572 56 1840 LEN=2168; translated
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QSIIIAGKEKTQLVserPPGATTKLVCRETCCVERVWISANQDDRkLLNWRNDIYELGDV
MIQQFENDDASLHATNLHSEDLIPCFVPNTIIISVDNfGKSIDYfWQQIRPKIKVPfLLVT
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RHYEMWYLGIIPIVIdRDPEsYELyENLPVLQLTADQqVLNSRQDFAGVLQEFLESTEF
RDAVSNGTyERGWNRLfLGDkRRAILKDSGRATVVDdTSGTEYYPAYRYfLREDVSKENG
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>comp15130_c0_seq1; 364 222 1921 LEN=2479; translated
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NTQSSVPASWHARVIRILiWLQYTSfACSKRTEESMSASATARTISHMRSTAYDAYWNSR
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EFskRRQEGMSYPLWtVALEVTshVRREeYyVLWGDKGSVPQKLPILAKSILVRELLLPa
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>comp15131_c0_seq1; 946 413 2812 LEN=2906; translated
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GRRMQLQPGQGEQISTSImlVNGTNI DRSLASyDRfQWLDEFERRELHdRYATVSMELL
AEISIDKPGYLQILQSHGAGSSAATSRKIRQqEKEDSAEPLWNRWRNRNEDAGDEEEDL
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>comp15135_c0_seq1; 466 259 1410 LEN=2113; translated
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DFLAHLLVASQVSGSDLEFVLDLRIQLLPAESETGGGAETVEASPKMASAFTNPNDTSMR
IVIDGSMTYFHEVGEEGEGHSVLSLEDKMSHTLAVYFVFWSTDEVVDTMSEYGFQDPRIA
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>comp15136_c0_seq1; 213 433 1026 LEN=1280; translated
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>comp15136_c0_seq2; 324 347 1696 LEN=1950; translated
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RVQDLISKLPQDQQSVNCFQVSPLATFDELSTTHDTTYIQRFLKGDQTEREQRNVGFP
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>comp15137_c0_seq1; 331 107 1135 LEN=2117; translated
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>comp15138_c0_seq1; 1064 713 2890 LEN=3043; translated
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>comp15139_c0_seq1; 811 1 2840 LEN=2973; translated
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>comp15140_c0_seq1; 228 706 1152 LEN=1577; translated
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>comp15140_c0_seq2; 176 1 588 LEN=1686; translated
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>comp15140_c0_seq3; 306 1 1014 LEN=1439; translated
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SKSVALDTVMMASTSIEEPFGMPGSIKINPLYDLQSKVPDATVGYSLRNTSIKLDARQRK
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>comp15140_c0_seq5; 254 1 914 LEN=1339; translated
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VSLY
>comp15140_c0_seq6; 296 288 905 LEN=1330; translated
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>comp15140_c0_seq9; 228 715 1161 LEN=1586; translated
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>comp15141_c0_seq1; 2058 166 4167 LEN=4300; translated
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SMAITKDSQTRNQEGVEVQSELVKQLQSLSRSKEELSKKEKEMAVLVTGMEDRVANAED
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AANLRARKAQVLGSRPSTARPSPAKTAGSASVSTGASSSVTSASSTVATEEVAEIRGQV
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>comp15142_c0_seq1; 431 1 1511 LEN=1684; translated
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HGVEGSYITTTLEIEGTLSTFTSDEVPTSFFIETLLRNFAGKQNEKFLDQLLKEDEDFLQN
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LMILACYFYLRRTYTKPIAAKTKKKADSDNEEPMKVIKLPKQSSSTDDNVGGNLLI
SPTSAGTTPTSAGSLSDHMDHPPSPPIQSLTSHCSSMFTNGDNMSRFAIRKANNDVSKFS
LDMPSIDLGTWRGGRVDPPEFGSDISAIVTRKDLSLIAEEKSDIESGVDTENNRSRKKG
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>comp15143_c0_seq1; 642 104 2302 LEN=2505; translated
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AEE SPLVEGESNGEDSQTLDLKPESMDVAGVSQQAQTEQDQPRI PDNLVASGNSQMGEKD
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PNGQQPYSLGGQPTPHNRPPPGYPGRPTGPNQGYPNGPIGRGPPQRSPGGPQQPPGRYG
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>comp15143_c1_seq1; 191 83 1126 LEN=2838; translated
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PHTAPSKPSAGSPLYATPRSAKRVEYFSPRMKPLTKLYFVSKFHGPGVLEPVEPISLGYN
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>comp15144_c1_seq1; 812 172 3249 LEN=3887; translated
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ESESVRTQALKLLERTMCRWAASIEQNASAWQQPRVTLVTFGSYRLRAYRQDSDIDL LAL
CHPSC TREEFFSSLVEMMENEDAIDDVHPIASAYTPVLKFTIHNIFDMLFGRASGKENV
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DSEVRSANGVRVTQFIMRYVVPNQNHFRLLVLCVKEWASLHGIYSNIGLFLGGVNWAIMVA
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GMKPWDPKTNPRDARHVMPVITPVYPRSKCVSFFLVSNASHKPKQILFCFYCFNNSVSVT
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FERHGNFLQISIRAGKNTEDFTKWLRLCESRLRLLVGALDCPEMSVWPFAQVMKREYTP
EPSDTGNALPNADPSKSSSSSGLQEALFFIGLRFAPNVEIIDLKHHTSEFLINQINSWEG
RKPDMDFMIHVLQKDLPHDLISDYVVTKPSPFEPNPMFRRTAVYNQNSNSYMTQNI NN
TDTDSNQIATTTTKAGPSGIPQVPREIRGASGGDNNSVARSTYSSIARSVNSSMPS SEDGM
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QSDNA

>comp15144_c1_seq2; 842 172 3093 LEN=3731; translated
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VLSSYLREGRWGLGEDKNGSRNSSNNERNVENDPTSTNGENHKGRASYTSSAAATTAI LSR
ESESVRTQALKLLERTMCRWAASIEQNASAWQQPRVTLVTFGSYRLRAYRQDSDIDL LAL
CHPSC TREEFFSSLVEMMENEDAIDDVHPIASAYTPVLKFTIHNIFDMLFGRASGKENV
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DSEVRSANGVRVTQFIMRYVVPNQNHFRLLVLCVKEWASLHGIYSNIGLFLGGVNWAIMVA
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ALYSPSDFFERHGNFLQISIRAGKNTEDFTKWLRLCESRLRLLVGALDCPEMSVWPFAQV
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NQINSWEGRKPDMDFMIIHHVLQKDLPHDLISDYVVTKPSPFEIPNPMFRRTAVYNQNSNS
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SMPSEDGMETTVDGIELESRPQSPLGNLITVEGGPHQAQQTYRSNTDGQTKERPTSTEHR
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>comp15145_c0_seq2; 413 423 2378 LEN=2786; translated
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LVVVVLVVALSLRGSKSQAEGEATAVPPVDPERLESIRSILAPISGEAVFPDPSEEFVS
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CEMSRFECDDAAGNSWPSIAFGFNTDDFLESFEKPCLEASKEYVEDECPCFYDSKPDE
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>comp15145_c0_seq3; 586 423 1919 LEN=2412; translated
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DWNAAESQRECIKDIEVDCEDGEECLVSNNDNPRGIVCNDQGRVTNIATYWNGLTGTIP
EELSYLNETLVEINIGGNSLTGTIPSSIQQLSLLLENFAVHDNCLSGTIPDLSGLPSLAIL
LLYNNIELSGSLNGFCDGPAFKNPKTIALSSDCGCPGGAQALVPAPPIECECCLCCEMS
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>comp15146_c0_seq1; 131 456 1424 LEN=2554; translated
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RGMREGLVPSETR TAASPPSLLIITRPQTEIDYPLWDEARSVWKENQPSIEEIEEELREA
GFTNLERTLETYPCSI SLKQWQTMVKDRFWSTFSNFSDEELEEACERIAREHTRNSKNET
NNEEEDTVVHFEDRLFLLTAS

>comp15146_c0_seq2; 589 103 1515 LEN=2038; translated
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RKEGTTNLTKMLSSEAPPKSKAGEKVENFDFSQQNAESMVGKQNYFMGYRKCQDKPGGK
ILVGRPEAR YEAFARAYAGCGDTTTL SYRRSYARLYEMVSCETLKSDDKFSALYSERPQD
IVGKWIRLEPLETKRHLKAVHAVTNGDPIFLK KAYDPEEVWGFQAEGPFSSDEALQKSF I
FQHHENEAAFAILQNLNDR LVGVIMLTNDNPQNLAIQLDSPITGPSSSGSKEEMEACFLL
LDRLFANGYRRIQLSIDS KDSQSSKLADRLGFTYEGCLLKDKIVKESSRD SHVYGM LNSD
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>comp15146_c0_seq4; 761 309 2219 LEN=2696; translated
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ERLAAVEETVVRDEAVVLMNHL CENLKSSSPLESSVITTLVSMAKRLVGADWFTAKVSAA
GMLPKLQTLTKYSELGYLFKELCMEDETPMVRRAASQHLGHFVETLGNKDKANELVPLQQ
LCKDDQDSVRMLAVAS IADVGPSYGKTP EWTKEFFLPLLKEGSTDT SWRVHRNLAKHFS D
VAVNLGFGQNSRYAGDQALVIACFVSLLS DTEAEVRASAVGHFARMVHWGGSALFSSYLM
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GNLHKL SHLLNGMNGVSS I LNMSKATNWRVREGVAKLLPHLAEARGLDFFANVLLLEPAW
LVLLLDPVASVRAACVSGMPVLVNAAGQDWMVQHILPQHVR IYNHAASGSYLIRITILKA
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>comp15146_c0_seq5; 289 39 470 LEN=1526; translated
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>comp15146_c0_seq6; 589 103 1515 LEN=1756; translated

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>comp15146_c0_seq7; 131 278 1246 LEN=2376; translated
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>comp15147_c0_seq1; 400 1 2438 LEN=2607; translated
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>comp15147_c0_seq2; 437 1 2314 LEN=2483; translated
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FAADA EKFGY YLFMLLCMSLFTYTGQMLVTLCRNAQIAQGFCSLVGSNTGLFSGVLILP
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>comp15147_c0_seq3; 1036 159 4617 LEN=4786; translated
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>comp15147_c0_seq4; 1073 159 4493 LEN=4662; translated
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>comp15148_c0_seq1; 1475 335 4684 LEN=5005; translated
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>comp15148_c0_seq2; 1475 880 5229 LEN=5550; translated
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S Q E Q E T N A G M I I H N Q Y R S S F K F N D M K S K S V D D K T S T P Y N P N D V D A T Q D E S S R F N G T E K N
K K S M N M N A V P T R S D R H N G G T G N N G T R V V W K R A A L E A V R N P R L S F K E K M S R K P P L T S F N S S
F N A G S S F N A S M S M P A M S V A S A P Y P R S S S F T A Y G G A S V S S F S S Q R D F G E S D S D I G S I G V S P
Y G N Q T S T R F T D Q W G W T S A C M L D S P D G N I I L Q L D E A P I N S A S S D A S S S L V S S S S S T G N N D Q
T V T M P A S A W S D G D I V M G N E Y E L S N D G S P I C P D D L I S L S N L H E P A V V E C L Q H R Y E E D K I Y T
A T G P V L L A L N P F Q N I D D L Y G E D T M K K Y W E K S E N Q S K E D L P P H V Y A I A D E A F R N M M R S L D Q
S L G A V D S Q S C D Q S I L V S G E S G A G K T V T T K F V M K Y L A A L S Q R A G S Q K K V K R A Y Q K V A D E K K
K K Q S A G Y S S T A T K N Y L P S T S S I S S A P S W V S R S K S G G L N N K G G V R K S T D G L S D V T C L A G T D
A L N S I E A Q V L Q S N P I L E S F G N A R T M R N D N S S R F G K F I E I Q F T R T G R L V G A Q I E T Y L L E K V
R L V T Q S L G E R N Y H I F Y E I L S G G V G A D E L R N Y F L A S T A S P D D F K I T A S G T L D R R D G V S D R D
T C A A L Q A A M K A M K F S V D E Q T D V F A T A A A I L H A S N L T F C D F D Q Y C Q L D G H N V H L E P V C H L L
G V T A E D L N Q A L C H F S I T A G R E T Q V Q Q N L D I D K A E K G L E A L L K A T Y G A L F T Y L V R R I N D S I
C Y S D E S D A S K D A P C A A I G V L D I F G F E S F K T N S F E Q L C I N Y C N E A L Q Q Q F N A F V L K N E Q A E
Y E R E G I E W S F I E F P E N Q D V I D L I D K R G S G I L C I L D D Q C R A P G T S D R S F A L D V Y N K C K Q Q T
R F S A N R K Q T A L L Q F C V N H Y A G P V V Y T T T D F V E K N R D E L P K E A T E L L H M S F N P F I R L L A S L
M E N S S E E R S L N T S F S D G L G M K S R G K G S T V G G Q F R R Q L K R L R E K I D V M S P H Y V R C L K P N D Q
L V P D N F D K A A I A D Q L S C G G I L E A V R V A R A G Y S N H Y S H E D F L R R Y R C L G W D A L K T S K P Q Q R
I V G S V Q P R K F F S G A T H N P A P S N D N S C A N K S T A S A G S L S S C T T L V K H L C S L L Q E G M K S D D
N D E N E K N S A N T T S I S A A S S S S A Q A K V Y K H Q V T S A P P S W G R R G S N T S R D T S I W D K K A S S D S
R P P A K I E R R S S F S K N I G G T T S E S A Q L G V Q M G K T K V F L R H K A F E S L E R L R S R Q Q S R A A V R L
N S V F R M Y L A R V A Y V H V R N A V R N S M A D L Q A L Q S E D W K E S H M E E H D D G R L V E F Y N R L N Q M R H
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>comp15149_c0_seq1; 463 65 1411 LEN=1793; translated
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D M G E E Q L L E N E S F N V S A D Q S S A R I I A A R K H I E E S G I G Q E L E A I C K N K H E H C T T W A V A G E C
E K N K S Y M E K E C A P A C M L C H M L H I D N R C P I D P N A K P A W E P G D L N A M F E H L V S E P I A S K Y P A
T I L S R D P W V I T L D D V I S E E E S E R L I Q L G A V E G Y E R S E D V G A K R A D G T Y G S M V S T G R T S S N
A W C V D E C Y K D P I A M Q V I N R I S E L T M I D E K N S E Y L Q L L Q Y E P G Q F Y E N H H D Y I A H N F G R Q Q
G V R I L T S Y L Y L N D V E A G G G T M F T D L N I T V M P K R G R A L F W P S V L N D H P D L K D D R T D H Q A L P
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>comp15149_c0_seq2; 252 65 1673 LEN=2055; translated
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D M G E E Q L L E N E S F N V S A D Q S S A R I I A A R K H I E E S G I G Q E L E A I C K N K H N T A P H G K C R N K L
S M H K Q R R S N P R C F E V F Q V N F A G L Y P S G X N H R I I N V D T K R A V A G E C E K N K S Y M E K E C A P A C
M L C H M L H I D N R C P I D P N A K P A W E P G D L N A M F E H L V S E P I A S K Y P A T I L S R D P W V I T L D D V
I S E E E S E R L I Q L G A V E G Y E R S E D V G A K R A D G T Y G S M V S T G R T S S N A W C V D E C Y K D P I A M Q
V I N R I S E L T M I D E K N W N I F N Y C S E S D Y Y R T E T Y L N I R V A G K Y A P E K V V V V A K I I N T F S V C
L R P A D M X P G Q F Y E N H H D Y I A H N F G R Q Q G V R I L T S Y L Y L N D V E A G G G T M F T D L N I T V M P K R
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>comp15149_c0_seq3; 283 65 1469 LEN=1565; translated
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P K C S E W A A I G E C E E N P G Y M L F N C R R S C I Q C P D Q A E E L A K I L E E K K K S I R V W T A Y E L E I A E
D M G E E Q L L E N E S F N V S A D Q S S A R I I A A R K H I E E S G I G Q E L E A I C K N K H N T A P H G K C R N K L
S M H K Q R R S N P R C F E V F Q V N F A G L Y P S G X N H R I I N V D T K R A V A G E C E K N K S Y M E K E C A P A C
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I S E E E S E R L I Q L G A V E G Y E R S E D V G A K R A D G T Y G S M V S T G R T S S N A W C V D E C Y K D P I A M Q
V I N R I S E L T M I D E K N S E Y L Q L L Q Y E P G Q F Y E N H H D Y I A H N F G R Q Q G V R I L T S Y L Y L N D V E
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>comp15149_c0_seq4; 401 65 1537 LEN=1919; translated
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D M G E E Q L L E N E S F N V S A D Q S S A R I I A A R K H I E E S G I G Q E L E A I C K N K H E H C T T W A V A G E C

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>comp15149_c0_seq5; 432 65 1333 LEN=1429; translated
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>comp15149_c0_seq6; 379 65 1081 LEN=1555; translated
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>comp15149_c0_seq7; 314 65 1547 LEN=1929; translated
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SMHKQRRSNPRCFEVFQVNFAGLYPSGXNHRI INVDTKRAVAGECEKNKSYMEKECAPAC
MLCHMLHIDNRCPIDPNAKPAWEPGDLNAMFEHLVSEPIASKYPATILSRDPWVITLDDV
ISEEESERLIQLGAVEGYERSEDVGAKRADGTYGSMVSTGRSSNAWCVDECYKDP IAMQ
VINRI SELTMIDEKNSEYLQLLQYEPGQFYENHHDYIAHNFGRQQGVRILTSYLYLNDVE
AGGGTMFTDLNITVMPKRGRALFWPSVLNDHPDLKDDRTDHQALPVEKGIKYGANGWFHQ
YDFKTAFEAGCSS

>comp15149_c0_seq8; 230 65 1217 LEN=1691; translated
MNWKK SALLR LRFVIGVSLSKSVSATTSGTCTADDPATCENTDDKNLSINDADKSDCQDEH
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SMHKQRRSNPRCFEVFQVNFAGLYPSGXNHRI INVDTKRAVAGECEKNKSYMEKECAPAC
MLCHMLHIDNRCPIDPNAKPAWEPGDLNAMFEHLVSEPIASKYPATILSRDPWVITLDDV
ISEEESERLIQLGAVEGYERSEDVGAKRADGTYGSMVSTGRSSNAWCVDECYKDP IAMQ
VINRI SELTMIDEKNSEYLQLLQ

>comp15150_c0_seq1; 370 623 1934 LEN=2168; translated
MGRNSITNTSINKWRSSKQKQNRPRCLFRDHNNRHRDRWSNNSVLTAKTRSCDL
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VVALVTRSAISDDDDSYEPREFYGEDSFSTPSITSCETSTSFASINTRNDTFMFHRNN
PRPSTRKSFPGGDSQCMQPMPQRTKDGIFDAKKAHQRSLSDDCSWFSSSQHTGDSDFS
IKSRNKKRGAILRSQSTSDSLGRWAAMATTRGFDGPRADSNDTTLHHYLAPRRVPSGSG
HKKGVFISSDVEESTDDDDSFMDSSLTDERVVISPHQATSFVSIKASDAESLKILLAGT
MRSSGKELNLGILCGNSDNCMLRYHHDINAPSSKHEMAKFGHENFNIVNLRQRTLATAT
SAEYVVVEKHIVPTN

>comp15150_c0_seq2; 370 727 2038 LEN=2272; translated
MGRNSITNTSINKWRSSKQKQNRPRCLFRDHNNRHRDRWSNNSVLTAKTRSCDL
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VVALVTRSAISDDDDSYEPREFYGEDSFSTPSITSCETSTSFASINTRNDTFMFHRNN
PRPSTRKSFPGGDSQCMQPMPQRTKDGIFDAKKAHQRSLSDDCSWFSSSQHTGDSDFS
IKSRNKKRGAILRSQSTSDSLGRWAAMATTRGFDGPRADSNDTTLHHYLAPRRVPSGSG
HKKGVFISSDVEESTDDDDSFMDSSLTDERVVISPHQATSFVSIKASDAESLKILLAGT
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SAEYVVVEKHIVPTN

>comp15151_c0_seq1; 953 278 2390 LEN=3504; translated
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IGKESGSI SNLSDLQOKLLQIQNRNKEPSKDYDFGPDGVSDGFAPRLDKNNQNSRSDELA
KKIAAEASISDRYLDIVRKAERLSKMEQSSSGSDVNANSSKARMVSNMTGLEERLRQIQ
QD TDVDTNAGTNLPPPELEPNAKRLDDETLAEWEELEYQLQLEAAEKKSTPRPLEPNEEG
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KPGYEITDDGGVYLSAEAYQKACETSNSDGSINFDSRKYGNSDVQKPLKSSFVDEGPPM
APYAQDIKGSKNKRFTIEDLAREASRSIEYARDNPDVQEELHRRIMAEFEAEAEATTNKF
EKEVLLDPEKARAFWNQEFYEQQQQESDALDELLEKLRQLEEEEREKEAQNSRSDGQR
KRYERISVSEAYKQQSMSDRNIFASREERIDRRRFIERTRRERAKKIAKIFYQDESNSW
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QSTNLETTKNSDWLVLEDPE SPEDAFYWNEVTGEMSWD SPEDP

>comp15152_c0_seq1; 390 331 1110 LEN=2443; translated
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LLEYSRGTDSPPYPWLDSMPRLYNSVSMTDFCYECLPPLVFLSRRRERVKFDNFYDALQ
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ADFVRYTIVDSCHSCFTSI

>comp15152_c0_seq2; 543 331 1804 LEN=2177; translated
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KIDSSIFPDEIKQDKQSLKWAFFNVHTRCFTGTQNGNSGNEMGIGEGGKNGEEQKIIPM
ADFLNHATEPVAEISYDEEGNCNIFTTSDVPAGSOLTISYGCPTNPSEFFATYGF LDETS
PATFCKIMNIQPTPELRTIGLDFSRMLFFRETGDISA EVWVLLYSKVLANDIGTKQAFY
DAHVNGDVDTKNAIHEQYMDQTSTAMLEHVDTFLEQLDVLSAKSEGKDWNEHPR LPLILR
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TNDESIQYER

>comp15153_c0_seq1; 563 243 1826 LEN=1997; translated
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LVALSSLKLYMSFSRSLAPIGLILV GIDFLASIQWTSISALIMEQYDKSPAKLLRGITVL
SLSSTIGALAAKTFGAGLLAASGWRTVCRFGSLMALIGSAAMYIGGDVVPVSVNIGNERN
LLKGRKKQNK SALAAIKSIFSNPIFWMFGIGHSLGLARSSDRLIGPFLQHVGGISSSLA
AGLTSSVTIGFVFGLLRGNRFSKMDTIKEMEMIKKNRAISVLAALGLAVCGIDGVSQ LV
GGNTNLLIPAITLLSGLVSSAVSFQFYQFGNLM SVNIFPEHKSVALSFTDAVGFFTTAGV
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>comp15153_c0_seq2; 196 1 527 LEN=698; translated
XFAEGSLAAGLTSSVTIGFVFGLLRGNRFSKMDTIKEMEMIKKNRAISVLAALGLAVCG
IDGVSQLVGGNTNLLIPAITLLSGLVSSAVSFQFYQFGNLM SVNIFPEHKSVALSFTDAV
GFFTTAGV LGVNSHLLGNFGWCASWAFIATAFAVGGSCMARAMQPVLVQVSANHQ

>comp15154_c0_seq1; 560 241 1446 LEN=1632; translated
MSGIFLVAAKRTPFGTFGGSLKAFSATDLGTHATKAALETIDL DPEAVDSVFFGNVIQTA
PDAAYLARHVGLKSGTRLAAPSLTINRLCGSGFESVILGAQSIQLGESKISVCGGAENMS
DAPLCAAGNDARWGVKLGSLKFRDSLWDGLTDAYAQT PMGITAENLAKQYNITREECDA
HAVRSQQGWAAANEKGLFQAEIAPVEVPGKKRGTTRLMDTDEHPRPDATLESLAKLPAVF
DRKHGVVTAANASGINDGAGSIVASEQVAEHNLTPLCRLVSYGVVGC DPTVMGIGPVP
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SGSRITAHLAHEFAYNQDSNIHVGAACIGGGQGI AVVLERV

>comp15154_c0_seq2; 520 1 1265 LEN=1451; translated
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IDL DPEAVDSVFFGNVIQTA PDAAYLARHVGLKSGTRLAAPSLTINRLCGSGFESVILGA
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GITAENLAKQYNITREECDAHAVRSQQGWAAANEKGLFQAEIAPVEVPGKKRGTTRLMDT
DEHPRPDATLESLAKLPAVFDRKHGVVTAANASGINDGAGSIVASEQVAEHNLTPLCR
LVSYGVVGC DPTVMGIGPVP AIKEALKRAGDLSLEKDVDRIEINEAFAAQFLACAKELNLD
MDKTNIHGS AIAIGHPLGASGSRITAHLAHEFAYNQDSNIHVGAACIGGGQGI AVVLER
V

>comp15154_c0_seq3; 219 966 1753 LEN=1939; translated
MLPPDSPSVKNPSQCFLNCFVRVNPPPLVCPTTVFFRNAMP MRSEANXGWAAANEKGLFQ

AEIAPVEVPGKKRGTTRLMDTDEHPRPDATLESLAKLPAVFDKRGVVTAAANASGINDGAGSIIIVASEQAVAEHNLTPLCRLVSYGVVGCPTVMGIGPVPAIKEALKRAGDLSLEKDVDRIEINEFAAQFLACAKELNLDMDKTNIHGSAAIAIGHPLGASGSRITAHLAHEFAYNQDSNIHVGAACIGGGQGIADVLERV

>comp15154_c0_seq4; 328 1 1572 LEN=1758; translated
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QSIQLGESKISVCGGAENMSDAPLCAAGNDARWGVKLGSLKFRDSLWDGLTDAYAQTPM
GITAENLAKQYNITREVGSKMXLERTMSTENHARTTAVSCGAQCVQMPCKRLKRLNAVWKN
NMFHEYGEENKGTMMIRMFGSTMLPPDPSVKNPSQCFLNCFVRVNPPLVCPPTVFFRNA
MPMRSEANXGWAAANEKGLFQAEIAPVEVPGKKRGTTRLMDTDEHPRPDATLESLAKLPA
VFDKRGVVTAAANASGINDGAGSIIIVASEQAVAEHNLTPLCRLVSYGVVGCPTVMGIGP
VPAIKEALKRAGDLSLEKDVDRIEINEFAAQFLACAKELNLDMDKTNIHGSAAIAIGHPL
GASGSRITAHLAHEFAYNQDSNIHVGAACIGGGQGIADVLERV

>comp15155_c0_seq1; 220 133 1257 LEN=1986; translated
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YAAIAFGALVVFVAVCFVLLAVRGGGKLRFGENREAAAGTTTVAALSSSMVGVHDIAEKYR
SAIEHHQRGKLIAMQKQKQQTVERARDNISGNRNLKPLPRKTVSKPHLVSARKPNNVVA
TADVRGNLGPASVVVQAKPGTDWIHDRWQAASDMHGSNIPGAHWIQLEFKDVGGGVVADK
IVLDWETAYADKYVLEASLEPFNGNEHDSVGNKQKQKQGTVWTLFDGRNPGHARDMKS
SESGQSPGVEEKRLPHVVHEIRLSAATDEAVRAVRRRPFYRLRLHILKSKTGWVSLWQF
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>comp15155_c0_seq2; 117 204 689 LEN=1402; translated
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GKQKQKQGTVWTLFDGRNPGHARDMKSSESGQSPGVEEKRLPHVVHEIRLSAATDEAVRA
VRRRPFYRLRLHILKSKTGWVSLWQF DVYGFRSDELLTSR

>comp15155_c0_seq3; 117 204 689 LEN=1418; translated
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GKQKQKQGTVWTLFDGRNPGHARDMKSSESGQSPGVEEKRLPHVVHEIRLSAATDEAVRA
VRRRPFYRLRLHILKSKTGWVSLWQF DVYGFRSDELLTSR

>comp15155_c0_seq4; 220 133 1257 LEN=1970; translated
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SAIEHHQRGKLIAMQKQKQQTVERARDNISGNRNLKPLPRKTVSKPHLVSARKPNNVVA
TADVRGNLGPASVVVQAKPGTDWIHDRWQAASDMHGSNIPGAHWIQLEFKDVGGGVVADK
IVLDWETAYADKYVLEASLEPFNGNEHDSVGNKQKQKQGTVWTLFDGRNPGHARDMKS
SESGQSPGVEEKRLPHVVHEIRLSAATDEAVRAVRRRPFYRLRLHILKSKTGWVSLWQF
DVYGFRSDELLTSR

>comp15156_c0_seq1; 1302 1 3250 LEN=3409; translated
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VDDLSSGGKSGKTTVLGLDPSANMLAVGRSKIERRGLADAI VLEQADARDLGHYYEPGSK
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FIQHVVPLVGGLLSSGARKEYVHLQNSIRNFPGPPEFRDQLESRLRCLRPDDDDAYFYVG
HFDMEETVHMNFGSVQLYVGRAAVRPKKEIHADTPPPRGADTKLPPIAAVSGGGAVSNPS
SPTARWEDTNERTVGGLRNTRPNKTQHNTTLP PRGCSSSVIFVPRVVRVGSLLPMVSGGMT
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ILEAHAERLERYDRRLGMADAFLEKELLEANREVRLEMEWKEAHEHKVRSYDVARLAAT
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PESTTVGNPTDTATATAAATTTTAAAVHDETPATTDATTKPEPTDPDPAGQAEETEEQT
NEVATGGQPONASSAEEDQKPPAHDAAVVSIDTEADSKEDVPTLLTLEMEPLMMIFGFLDA
MDILNTAQINVTMYTKVDNIFGISSEDGQSPVPVTPSKPPPPKPPPPPAVAETPAMKPPPP
PPPTTEGGGSAAGGASPA SAAGKGRGLFSMMQPAKAETKQSQPLNAKVAQSMASKLSDAEL
AAIITMTNKLKLEKEGRALRNEKAVLLAKLEGTEGVKQFLIGKVRDVEVKLQRSKEDEI
KVTTQQIASDQEVIAFLDGRVQLEEQQTESLTMEKTGTQAGLDDLKVSTSKKITMLSDMLK
YEREKVREDES DWKATKKVLVKEVKS CRAQILALQAERDGLLEQNDMLKRAVVSTGGGGK
PQR

>comp15157_c0_seq1; 740 48 3029 LEN=3090; translated
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SVEAII SDTDGVFSVNVSLAFNSAHIEYDPSKITRDDLVD AIEGIGYEVIQQPPSAKINT
PLQSTRMIVEFIVSDMTCSMCTKAVTKALEMVPGVEDAVVSLSTNQARVEFDSKSTIDD
LAEAI EDVGYGVLEKLI VRSAGDDNESKPLSRGAGNNTVNSPDRIDRMLEQQEEEVANRK
RAFLWSLIGTLPILMITMVLPHFPSLKFVQWLDQTIVIKFTNYDFEFVLEALILWVLCPT
IQFGCGYRFYKSSYYGLRQGVGMMDVLA VAGTTASYGYALWATLTGGMEYHFFETS AVLI
CFVLLGKWMQTLAVRRTSQAL THLLKLPKTAIKV IISTTNGDKKWNPLNNDPYNEEVVP
ITSIQTGDLVKILKGSSIPADGI IKFGEMTVDESMITGESIPVLKTPGAVVLGGTICAEA
GQEAGASFLEVTG VGSNTALSQILKLVQDAQNRQVPIQNFADKVAGIFVPTVVLLSFFTF
VTWYALIQWGVVPLSLLPSDESPQTF SLLFGISCLVISCPCALGLATPTAVMVGTVGAK
QGVLMKGGETLELASKIDS VVFDKTGTLTKGKPAVTDFSLVVRENI FWEEVINRDAATAL
KNTSSLSSKSNMERC LLWLLGSLERNSEHLLAAAI VAYAEDRLGGGTNDVAEELAF AQPS
NFVAMTGRGASGKILGEIDVSI GNRAFCEFGQFEISKEVENIMQGLERQKTAIVATVNG
TTVVVMGVADELKPDASAAI IYMKEVMGVDVWVMTGDNNTARAIARELNLP SNRVIAEA
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>comp15157_c0_seq2; 822 48 3287 LEN=3379; translated
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SVEAII SDTDGVFSVNVSLAFNSAHIEYDPSKITRDDLVD AIEGIGYEVIQQPPSAKINT
PLQSTRMIVEFIVSDMTCSMCTKAVTKALEMVPGVEDAVVSLSTNQARVEFDSKSTIDD
LAEAI EDVGYGVLEKLI VRSAGDDNESKPLSRGAGNNTVNSPDRIDRMLEQQEEEVANRK
RAFLWSLIGTLPILMITMVLPHFPSLKFVQWLDQTIVIKFTNYDFEFVLEALILWVLCPT
IQFGCGYRFYKSSYYGLRQGVGMMDVLA VAGTTASYGYALWATLTGGMEYHFFETS AVLI
CFVLLGKWMQTLAVRRTSQAL THLLKLPKTAIKV IISTTNGDKKWNPLNNDPYNEEVVP
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GQEAGASFLEVTG VGSNTALSQILKLVQDAQNRQVPIQNFADKVAGIFVPTVVLLSFFTF
VTWYALIQWGVVPLSLLPSDESPQTF SLLFGISCLVISCPCALGLATPTAVMVGTVGAK
QGVLMKGGETLELASKIDS VVFDKTGTLTKGKPAVTDFSLVVRENI FWEEVINRDAATAL
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NFVAMTGRGASGKILGEIDVSI GNRAFCEFGQFEISKEVENIMQGLERQKTAIVATVNG
TTVVVMGVADELKPDASAAI IYMKEVMGVDVWVMTGDNNTARAIARELNLP SNRVIAEA
LPAAKVEKVQELQRHGKIVAMVGDGVNDSPALVQADVGLSIGKGAEIAAEASDMVLVRGN
VSDVCTALDLNFIW SLLYNCLGIPLAAGVFYPLFHTRL PPTVAALAMALSSLSV VASSLA
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>comp15157_c0_seq3; 823 48 3317 LEN=3409; translated
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PLQSTRMIVEFIVSDMTCSMCTKAVTKALEMVPGVEDAVVSLSTNQARVEFDSKSTIDD
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RAFLWSLIGTLPILMITMVLPHFPSLKFVQWLDQTIVIKFTNYDFEFVLEALILWVLCPT
IQFGCGYRFYKSSYYGLRQGVGMMDVLA VAGTTASYGYALWATLTGGMEYHFFETS AVLI
CFVLLGKWMQTLAVRRTSQAL THLLKLPKTAIKV IISTTNGDKKWNPLNNDPYNEEVVP
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GQEAGASFLEVTG VGSNTALSQILKLVQDAQNRQVPIQNFADKVAGIFVPTVVLLSFFTF
VTWYALIQWGVVPLSLLPSDESPQTF SLLFGISCLVISCPCALGLATPTAVMVGTVGAK
QGVLMKGGETLELASKIDS VVFDKTGTLTKGKPAVTDFSLVVRENI FWEEVINRDAATAL
KNTSSLSSKSNMERC LLWLLGSLERNSEHLLAAAI VAYAEDRLGGGTNDVAEELAF AQPS
NFVAMTGRGASGKILGEIDVSI GNRAFCEFGQFEISKEVENIMQGLERQKTAIVATVNG
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VSDVCTALDVS RVIFQRIQLNFIW SLLYNCLGIPLAAGVFYPLFHTRL PPTVAALAMALS
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>comp15158_c0_seq1; 879 278 3085 LEN=3247; translated
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DDSASLSDAYFLRQSPDGSVATLNAGHFGSFP LPIVPLNHYGDDRTDSRLAWS D PPIIH
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ALPSHTVVEEFSITEKTALLRLNNSLRVPVYNRRVKSFANSDAHRRHRQKHELKHKQRN
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SGTKLLEDLTSVIQPSFPLASLSTIASTKGTSSVEINPEAGSSTLVMLDFDDDRDDDDID
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LVFTILLMLCWGVFGLTIDTTAGSMISLGGFAVFGMSFAYTTANWNHIFPCSTNLFAAIC
AMRSSIGILVMGISSLFVGLLWLLIWTVALMGIFNRNNYVDCEIFGACETHVYISKDDR
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HSIPYSSSIVSDPLMRACSTSSFGTICFGSLVDRPAQMISKVVGCLCWITDCLVDGDGSSP
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>comp15159_c0_seq1; 2570 258 10028 LEN=10171; translated
MSYFPEIKDDRSSDPNLSPLNEIIQELKRKNVVASAASGGPQLALDSRSDPWGSSEAVLG
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CQVHFSVMEGLDMQTPKNSWTNSSVTSKVETSQHGSLLIVATMIANTRDFMLPRYDEV
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DIPVAFNSIGLMVLALVDPITGDVIGGNVPTVKITDDPQNPGEKHIVQLCDTGSIRKRL
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GLSNDLIQCLHEIAECVPEQQSIIEDRLFQEVSIICLAGIQSARVFCPLLFTQNSMDG
YCKQQPKILLVDNRPSPIEDGTEDPTIRINMSSSPAVVKSLSVLSLQTLGTFGDYMG
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>comp15169_c0_seq2; 1265 189 3956 LEN=4211; translated
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>comp15169_c0_seq3; 353 189 1368 LEN=1368; translated
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>comp15170_c0_seq1; 671 1 3097 LEN=3159; translated
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>comp15170_c0_seq2; 352 95 1637 LEN=1699; translated
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>comp15171_c0_seq1; 235 1 1221 LEN=1281; translated
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>comp15171_c0_seq2; 866 169 3873 LEN=3933; translated
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>comp15172_c0_seq2; 430 161 1501 LEN=1730; translated
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>comp15172_c0_seq3; 432 161 1666 LEN=1743; translated
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>comp15172_c0_seq4; 421 161 1477 LEN=1706; translated
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>comp15173_c0_seq3; 160 329 556 LEN=1092; translated
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>comp15173_c1_seq1; 474 1 1996 LEN=2611; translated
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>comp15173_c1_seq3; 522 1 1783 LEN=2398; translated
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>comp15173_c1_seq4; 450 1 1752 LEN=2367; translated
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>comp15174_c0_seq1; 383 1 1194 LEN=1344; translated
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>comp15175_c0_seq1; 619 320 2296 LEN=3127; translated
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>comp15175_c0_seq2; 619 339 2315 LEN=3146; translated
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MESPRLLTREAERQLQLHRQRGAREHPHYSATSTAPAAVTPTPRAGSLVMRSTTSPHP
LASAMKPRGQSGGTGETNAAAPEPSIVTPHGSNGDELVLSARKEWKRHGALTDLEET
RRRDEDRPGTLTVRLVSAENRSDVTNRKYTAYVLRVRLPGSSQNQNVLQLEHRYSEFVKL
RDAFERCDIHLDAFPFKHLGRVGNWQLARKWAPDQHEELVRYRQVLDLAVLTARY
NLGDMPHSLARLVYDFLTLSDRPPCDMENTVDDLSSRADGTSGGVLRNNPISFTLGS
SIRQACRIVETMCMPSRTGIKSDQSIPLDLLQSAKGLIFLTVIKAGFVVSGRIGTGLLIA
RVDGEDGARSNPQKWSAPCALGTIGMGWMLAGGDI THYLVLTTEDAVEAVLSGGKVQ
LGTELGVAIGPVGRMSQVSASASNTEWALHPAYSIAHSGKLFAGMSIEGAVLGARNDVNA
KFYGRSNLTPADLVLDGLMPPPKAAEPLYAALERALATEIPQKGFPSQLFRESSWSSPG
EDYNGSGDNGHPYRWSMSEAGTPSESGFDSYHPSPEDPHGRGGSLASNVPTPDFYRAY

>comp15176_c0_seq1; 588 1 2223 LEN=2398; translated
XAAVSPVLFVFTASLYPSLGPQDQTKKQANNRTSVSVVSGRIALEIQIPILIDCRKKTAY
XSLKGDKNWKNMSLRPMDIDPIDGGPKEIKQPARISNASNNNHANIVPMQITEEEEAR
QAIDMLRGDDMSARVAAANRLEAVASLLGEQRTREELLPFLLTDGADDEDEVLLALANSLG
KLIPLVGGGDHVQTIPLPLELLLTVEENAVRDAAAASTLLVANALPDEVFRDKYVSMILIR
LAQKEWFTARISSAGLIAKAYPRLKSSQHEEFVKLFTDLCKDETPMVRVAAQSLGIMVE
NVVEATGRASLEEGMVTTTLIPLYETLSSNEQPDVRLQTTENCVVFRVIGKLVSDGK
ILTENERSLVQRLPLIVATIDDRSWRVRWTAATAAKFADIKAYNPIPGAMDTLIPAYEKL
LQDPEAEVRTAASFNLAVVAGGCDMSMILPLGSDELDEAAAANFTGKRVSAAERLVKRVTS
LTEDDSEHVRAALAMVATELAPVLGRDGTITHLVPPILLLLRDAASEVRLNLISSLES
LVIGVDLLSQSLLPAILDLAQDGKWRIRLAIIEQTPLAKQLGKDFFTDKLSSICVNWLG
DEIASIRDAATTNIKELTALFGTDWACEYLLPSIDDIRQNSSYLRLRLTAVQACGKMAIEM
DPAIAQIEVLPILILEMATDTVANIRFNVVAHALGEMGHICETNVYNQIQIHPILSLQDDPD
RDVRFYAEKASSKLEDFEQK

>comp15176_c0_seq2; 417 1 1698 LEN=2504; translated
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XSLKGDKNWKNMSLRPMDIDPIDGGPKEIKQPARISNASNNNHANIVPMQITEEEEAR
QAIDMLRGDDMSARVAAANRLEAVASLLGEQRTREELLPFLLTDGADDEDEVLLALANSLG
KLIPLVGGGDHVQTIPLPLELLLTVEENAVRDAAAASTLLVANALPDEVFRDKYVSMILIR
LAQKEWFTARISSAGLIAKAYPRLKSSQHEEFVKLFTDLCKDETPMVRVAAQSLGIMVE
NVVEATGRASLEEGMVTTTLIPLYETLSSNEQPDVRLQTTENCVVFRVIGKLVSDGK
ILTENERSLVQRLPLIVATIDDRSWRVRWTAATAAKFADIKAYNPIPGAMDTLIPAYEKL
LQDPEAEVRTAASFNLAVVAGGCDMSMILPLGSDELDEAAAANFTGKRVSAAERLVKRVTS

LTEDDSEHVRAALAMVATELAPVLGRDGTITHLVPPILLLLRDAASEVRLNLISSLES LN
MVGVDLLSQSLLPAILDLAQDGKWR
>comp15177_c0_seq1; 727 303 2549 LEN=3266; translated
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DDYTPFHFNEGIPTRLRVEGRGIPNRQDKIQLVDTSTYEASLLERWDTDPSRQKGFDEI
EKMRRYAAGLRMREDGAWVKKPTFFEFVSKQRVNTGAVGPPANAMDTAILFLVQMLSY
VGLSAFGLTSVPTAEIQKYEGSYISFIKGVLGDDLQTLAGGPLFLLL NKYFLENGPIFN
LAFGPKSFLVSDPSMAKQILRTAPSDQYCKGMLAEILEPIMGKGLIPADPTTWKVRRA
VVPAPFHKKWLNRMITLFNRAEILCADLEKKEGKVVDMEERFCSVTLDIIGKAVFNDFG
SVTKESP I V KAVYRVLREAHRSSSFI PYWNL PYASQWMGGQIEFRDMTMLDDILADLI
NKAVTTRSEATVEELEERDNDSDPSLLRFLVDMRGEDLSSMVLRDDLMTMLIAGHETTA
MLTWLTFELAKGDPAMFQEIQNEVRTVLKDKDRPDYDDVVAMKKMRYALIEGLRLYPEPP
VLIRRARTEDTLPQGSSEMKGDIKVLRGTDIFVSTWNLHRSPDLWEDPYTFDPTRWERPY
KNPKVKGWAGYDPDKVTGLYPNENAADFAFLPFGGGARKCVGDQFAVLEAAVTF SVLIKN
FDFEFEGSPDDVGMQTGATIHTMNLKMRPAKVNADDPLHSTGGWVERQHLKRGLNASGR
PYHSKEEVEYQNKPKHERPDDPGIPMSH
>comp15177_c0_seq2; 293 303 1184 LEN=1244; translated
MNINSVALSNFLVFASLTVSTDAFVPRQAIGPVRTSSSLFVSGLEKEKVEEEDLHQDG
DDYTPFHFNEGIPTRLRVEGRGIPNRQDKIQLVDTSTYEASLLERWDTDPSRQKGFDEI
EKMRRYAAGLRMREDGAWVKKPTFFEFVSKQRVNTGAVGPPANAMDTAILFLVQMLSY
VGLSAFGLTSVPTAEIQKYEGSYISFIKGVLGDDLQTLAGGPLFLLL NKYFLENGPIFN
LAFGPKSFLVSDPSMAKQILRTAPSDQYCKGMLAEILEPIMGKGLIPADPTTW
>comp15177_c0_seq3; 506 70 1380 LEN=2097; translated
MITLFNRAEILCADLEKKEGKVVDMEERFCSVTLDIIGKAVFNDFG SVTKESP I V KAV
YRVLREAHRSSSFI PYWNL PYASQWMGGQIEFRDMTMLDDILADLINKAVTTRSEATV
EELEERDNDSDPSLLRFLVDMRGEDLSSMVLRDDLMTMLIAGHETTAAMLTWTLFELAKG
DPAMFQEIQNEVRTVLKDKDRPDYDDVVAMKKMRYALIEGLRLYPEPPVLIRRARTEDTLP
QGSSEMKGDIKVLRGTDIFVSTWNLHRSPDLWEDPYTFDPTRWERPYKNPKVKGWAGYD
PDKVTGLYPNENAADFAFLPFGGGARKCVGDQFAVLEAAVTF SVLIKNFDFEFEGSPDDV
GMQTGATIHTMNLKMRPAKVNADDPLHSTGGWVERQHLKRGLNASGRPYHSKEEVEYQNK
PKHERPDDPGIPMSH
>comp15178_c0_seq1; 476 1146 2120 LEN=2795; translated
MGRRLQSPISSRERNRIHARKTRQRKKEQLQSLQKKAESLKGEQINLKLSINEKNTANI
LCCLFSNSQASQSSSAEDPRIEALLTRPEEEIPDPSNLSALQPLILPSGAQH SKRGNNNI
NNLQQLQNL PNDGIDYELLGKDRSKCTPAELDQIRRERNRMHAKRTRDRKRLFMEEMAEMC
KLLGENLLLHQHLNELNGVKTTPETQPTLPGATQTKSSTSSVAMVSPSLSPPTAPTEYE
KCPLRCKSALPLTSRNGESFDQMKTL LDAAGVFDLNNNTNMHGSSNKDVTTI SCGDSTDHS
TRPLKKQRQLHNC SASSSDEDTAE
>comp15178_c0_seq2; 534 274 1368 LEN=2043; translated
MAQLALGVAHSTNASKK GILDSKRFTESDVLNSTNVAAPKKRNHGERIQR SRERNRIHA
RKTRQRKKEQLQSLQKKAESLKGEQINLKLSINEKNTANILCCLFSNSQASQSSSAEDPR
IEALLTRPEEEIPDPSNLSALQPLILPSGAQH SKRGNNNINNLQQLQNL PNDGIDYELLGK
DRSKCTPAELDQIRRERNRMHAKRTRDRKRLFMEEMAEMCKLLEGENLLLHQHLNELNGV
KTKPETQPTLPGATQTKSSTSSVAMVSPSLSPPTAPTEYEKCP LRCKSALPLTSRNGESF
DQMKTL LDAAGVFDLNNNTNMHGSSNKDVTTI SCGDSTDHSTRPLKKQRQLHNC SASSSDE
DTAE
>comp15178_c0_seq3; 534 127 1221 LEN=1896; translated
MAQLALGVAHSTNASKK GILDSKRFTESDVLNSTNVAAPKKRNHGERIQR SRERNRIHA
RKTRQRKKEQLQSLQKKAESLKGEQINLKLSINEKNTANILCCLFSNSQASQSSSAEDPR
IEALLTRPEEEIPDPSNLSALQPLILPSGAQH SKRGNNNINNLQQLQNL PNDGIDYELLGK
DRSKCTPAELDQIRRERNRMHAKRTRDRKRLFMEEMAEMCKLLEGENLLLHQHLNELNGV
KTKPETQPTLPGATQTKSSTSSVAMVSPSLSPPTAPTEYEKCP LRCKSALPLTSRNGESF
DQMKTL LDAAGVFDLNNNTNMHGSSNKDVTTI SCGDSTDHSTRPLKKQRQLHNC SASSSDE
DTAE
>comp15178_c0_seq4; 476 1293 2267 LEN=2942; translated
MGRRLQSPISSRERNRIHARKTRQRKKEQLQSLQKKAESLKGEQINLKLSINEKNTANI
LCCLFSNSQASQSSSAEDPRIEALLTRPEEEIPDPSNLSALQPLILPSGAQH SKRGNNNI
NNLQQLQNL PNDGIDYELLGKDRSKCTPAELDQIRRERNRMHAKRTRDRKRLFMEEMAEMC
KLLGENLLLHQHLNELNGVKTTPETQPTLPGATQTKSSTSSVAMVSPSLSPPTAPTEYE
KCPLRCKSALPLTSRNGESFDQMKTL LDAAGVFDLNNNTNMHGSSNKDVTTI SCGDSTDHS

TRPLKKQRQLHNCSASSSDEDTAE

>comp15179_c0_seq1; 335 160 1875 LEN=2068; translated
MTGGVNIALVGLPESWSASWSASWCYQSLLISSVATDSTSLPSLAFLSSMNLTREDLYER
NFFYQAWMADANTKRNASSEDAVAQLNPIDGNDQKMRMSHPLAPMDVLIRYISEHSHQRLE
QEWNEACQHNTQQQOGATASACRLDETTGSHRKYLVASYSCPIESGNRLHRFMHGLMWAV
LTNRFTLWRYQTKEICEEYDEPACANEYNTNLITGPSDCDGLERSPWIPSYDEWRDRLG
MAKDHSDLVRAQTHKDKADATTQPYDDPDGSGAIRVLRSGKQVLLNPGDILTVPISKTKF
LVQPESRERLRDLRTEGIYFLYGMFLFESIFTMDPSLDPPPELLHHTHPSFAAKANSTGGND
PAVTTTDTETIFIHRSRHSQHADDYVWPDHMCLELRLYPSNETDSSSSWSAVQAYLRQPRPA
RCHIYVMSDRSITLKLHHEEIEENMTGCTSSSSDQAPGNNSTATKTTGVSFSEHGVVRAGR
GYWEDVALAVHARNGMIAFSMYHRHQGLVRTSTALLREIEFRRRMEHHRHHENGPPARA
LPEFYECTNPWVDDKNFNIRKNREREGGQR

>comp15180_c0_seq1; 456 170 1573 LEN=1894; translated
MKFHGLKCLFLAAVASLVVAEDEPVEYGVVDSFPMHYFDVSTNYPWLPHNVDPVSLVPVEE
YRDMVPQPLGNKKDFYKDFIQGCIDKFKGKGARCTQNELDRVAMTLRQPQSMQNYTKVGY
KKIRAPPEVWKMVKKFWANKDNPKSENWGVGNTYTNWKTTHSKMVSVEDSGLRGGGYGL
KQKLWDAAYDTIAEWTGQELTQCSTLYGIRVYIEGSLVLAHVDRPLVSSAIINVAQDLDE
PWPLEVIGHDGKAVNVTMEPGDMVLYESHSHVIHGRPFPLQGRFFANIFVHFPEPTGHTLRH
HNHKT DAGSDVDQKYRDSLARGSGGHENEQNGLPYIIVPGTPEEAHWRAHPGGQKSKGK
SFTTGSTPAHAAQGGDLKTLKKEVSNMKELIHAKDANGWQPIHEGARAGHLEVVKFLVE
NGADVNAMTHGDLGGTALYYAKRTFEDDHPVAYLESIGGLDIGPDL

>comp15180_c0_seq2; 142 140 262 LEN=583; translated
MTHGDLGGTALYYAKRTFEDDHPVAYLESIGGLDIGPDL

>comp15180_c0_seq4; 212 170 640 LEN=841; translated
MKFHGLKCLFLAAVASLVVAEDEPVEYGVVDSFPMHYFDVSTNYPWLPHNVDPVSLVPVEE
YRDMVPQPLGNKKDFYKDFIQGCIDKFKGKGARCTQNELDRVAMTLRQPQSMQNYTKVGY
KKIRAPPEVWKMVKKFWANKDNPKSENWGVGKIKN

>comp15181_c0_seq1; 558 220 2175 LEN=2843; translated
MHGDNDLNLSQQLDGYETFESHLSDRNMCQKIRKHLDQEEHQHLDEEQIMELTPNIRAS
DRPINSKRKSNDISITRQMISSRFKQENDELHNPCTPNRSMYFIARNTKATNFEKNLR
QTQRKMASQRQHSRLEEKQKDGANLLISRVGKSGLLGNQFPSFDETHQLTHSPTSVIN
NNTNSDFAIKESISLKSFSFSEQRMLNELKKT SRLLDMERNKNLTLTNKLEDTECQLRAI
RKPQSTDLVIEEYARQIRKLQDRITHYQEALTEKKMRAETEAEELETRRQNRCAEQMD
MLIFQHIPSVA PVFKDIGPVKYTIEDSFDFVGSYRLGEVLGEGYYSVRVGSLSMOMKF
AIKILKKT SINRFKDLQIALEAHVLTQYQHONIVRLKEVLHTAHNIYMVTEFCFMDLHK
YHNDVGLSIESARQVVFVILDP IHHLHRHGICHLDLKPENILLTKPLGSHNAKYEHVRI
DFGLANMARKPDKNKDI IREGYACGTPGFYAPEMVIQDKFEGRCADMWSLGCILEITLG
FTQEWIDSYNKADDNPETFQKGLKFCLEISIQYYPGHANLLDLIHACLSIDPLKRITSQ
DALLHPWLASIEKKLAVGRNVDQLQEERKKELAHAYS DRIALLEGQAGFCA

>comp15182_c0_seq1; 163 1 595 LEN=950; translated
XSNTSSNIEEHFLNSPTCTDGYKQIVTKASTSHLKNPMASKAFKNLPPEVRRELLRHVKP
PPSASTSFSQQSADHLRRKHKRLEAVGGQRSKSAQYWLMGCVGFVGAATLPYFATKKIG
NLTD RDDPLTAAQVRRGAFNNSGSRDAGKDHNDLKTGTIYIPKGF AEHLKMQDPDDIDL
GPDMPVIVQA EKKQRSKQ

>comp15182_c1_seq1; 372 1 1957 LEN=2320; translated
XTIGAGRTEFVAVSEEFQSIHAERQGWHSWMNHAEVMEQYSEQQNIMNSTGQICDESR
CVSRALPGRYSNKSFTCYGDENGEYYPMMCADGYEPWVVDVVKELSVENSYPWLINM
IDHFPIDKSTLGDISLKYFTCCSPGMQLLDVNLTRHCSDPISSTIDSENTTMI CDNTHP
YSRRMEPRLDGNNEWADNSYVCCDSATTKGKNTTSSFLDEAKCVPYHDRYKYELVRNRY
GKIVPLSCTDPDFKFRQVEKEISVPGSDVKLLVWSWECCKTGSPSVLIKDSAFNTTIYP
QLALSCSVSILSMTIILGLLIPLLVAIKNESENNGSMRSRSMRLSSTAAGGYVTYNM
YLLFLAIPDFVANLFFVIVYGSYAKNGTADFQTNVISTFHDNRLALMNETGLMLWVSTN
SYINAIVCYELLGLLRNCFKRRRCAPPSKKKVALQAATANLLSAVPPFTWWLYCVLTFQA
EEEVEGSSERDERTRHVWNLMLVISVILPFLVFCYTGITWRNGYMKFQKITPCGAISAR
DKAFKQLAYYFSRIILIFIVVWVPMISLSMIPSFYKESPEGTAILLLLAIQPIVSYCL
VLT KPDVRSIFDLLT LSCFRPNTMAQHHLASTNSMGGIASTNSISGIASIR

>comp15183_c0_seq2; 541 206 1516 LEN=1516; translated
MPLSPLHVASSSIAATATTGIEKDEKATADFGAEWKTGNWCWEEPLPNDSDRCTVASGDS
PPSKVKSEQGERNEPVAKSERSETVPKSERNEPVPKTEADPPP IKAENVRSTGSPDSVPS
SSLSSPPLAQDSGVKAETKQPLERPKKQEDPGASSLQLPTPPPQGPPEVKPEVKTESHAS

PKMEDEQGDTAHENWAPGCFCWLPDASDLVPEKRRKRKRVPEDDDAEARDVDAPEEKDC
VSSSTAAMSKKNTTEGSNKKSRRLPPRFPQAAALGCYRDDDESNCDIWSDGDATFDDIVSE
SDDESQGSILDPNGTIRDAKWEKMYQYLVQYKQKHGTTTHVPSRYKADPKLGQVWTKQRSQ
CKRKDRIDRLNKIGFVVRVLSSSGYDDDSWETMYQRLVEFKQQHGTTQVPHKYKEEQKLA
RWVSRQRACRRKDRID

>comp15183_c0_seq4; 556 265 1548 LEN=1548; translated
MGFGPEWKTGDWCWEDQLPDDKNRCTGTNGDSLPRAIKNEEGEREESKSPSIKTDDIGST
SPPDLVPSSSLPPPPAQGLEGKSELAAEIHEASNSPKKEEPPSVSPTLSSAQGPVKPEV
EAETHRAASPKKEEQSASSSPQTAPPLPPSQGPEVYPGLKKTNHATESRKKEEPPSAE
ENAEWTPGCFCWLPDPVASGLDAPERKRKQVPVEADGAEEDLNPRYEDEDVFPSTAAA
MSNKKITRSNKKLRKFRPQLHRAAVLKSSKYRNDYVSDSESCSDDDATFVDVSSSDHDS
LESIFQPKDTRNETNAQSLSSAYASQNSIEYESKWPQKEWLTTSNKKWEIMYQRLVEY
KQKHGTTCPVQYKADPKLANWVRHQAHCKKEDRIDLLNQIGFVWEVMCANNWDEGAWD
RMYQCLVE

>comp15183_c0_seq6; 508 206 1215 LEN=1215; translated
MPLSPLHVASSSIAATATTGIEKDEKATADFGAEWKTGNWCWEEPLPNDSRCTVASGDS
PPSKVKSEQGERNEPVAKSERSETVPKSERNEPVPKTEADPPP IKAENVRSTGSPDSVPS
SSLSSPPLAQDSGVKAETKQPLERPKKQEDPGASSLQLPTPPPQGPVKPEVKTESHHAS
PKMEDEQGDTAHENWAPGCFCWLPDASDLVPEKRRKRKRVPEDDDAEARDVDAPEEKDC
VSSSTAAMSKKNTTEGSNKKSRRLPPRFPQAAALGCYRDDDESNCDIWSDGDATFDDIVSE
SDDESQGSILDPNGTIRDAKWEKMYQYLVVEFKQKHGT

>comp15184_c0_seq2; 436 152 1204 LEN=2076; translated
MDTDYDNDSTRYEEETKGDSSNAFRVVFVARALGYLVGFGSLMLYTPIAVRISLQKHADGL
VMSTWWLKLSSYLLSDAYVVRKRYDLSTYAETVIITIESLVVLAALVAWYQKTRACFWV
NLSLLAIGSLCAFTIAPDGVLAAGQLGSVLVNTAALLPQCHHNLSTRTKGDYSPLTATLA
AVGCLVRIFTTATLNGSDPVLMTFFAAFCANFSLLLQILYFGMAVEGLSFWSVFLADVA
GSGGSNRSGSDHGNPNHGDLYDAIAEPPPGSGDASTASRPREPAELPSSSERVALRRRPAI
ELAGCGPQAGGSEFSTVVEAGEAEAGYGTENGGSGSSRGSTPYRNAGVLT

>comp15184_c1_seq2; 243 1 1393 LEN=1746; translated
XARNRNSRCGRNPTATLDRPVYRPCAILQHCHNAPHHAPT KVHPNPSHLLCHIALIRYLP
PMEEKRPADFPLPPSSRSAYDALTEKNKNGTHNGGTMNRNRELLASTLFWIGFGLFGWYF
PRSLVHRETSILSLEPPYQ MAGGGTVIVDFELNQPLVDPPTVGNFLLRSTSIGLPLIFLV
IHAWLSETPAINDAENAGDTNSSPNLNDPGATSTALRFR IQRVANVISAFSAAMGLSEGC
TVMVKLWVQRRRPNFYALCGFDAANQKCMGTL EHIREFANFSFSGHSSLICCGMTFLVWY
VHGAANTNGCLRTVLRPFNDTHARGRRFAGLFSPSPRFCSLVVGTCLPWGWALFVAASR
LVDHWHHPSDVLAGLALGFSACTIAYHHWYPPVWSPNAGIPLDLIPATNIKCNNDTGYSS
KTNAGLHTTATGSSMITASTVSTSIGAASSTTKRRPNTEPSPSV

>comp15185_c0_seq1; 361 543 1850 LEN=2576; translated
MISILLLVKLLPNVFFSPIGGILADSYDRRNVQITL DVASSWVLVFLWSYHRKSVPICY
LANFLLDVLAGLYLPNNAIVPQLVGNP SNTEEEENDEELKATTLTGLTWSLMAALGSS
LGGVMVAVVGIEGCFVIDSVTYLISAGFLYFGVQGNYNVKS KKKTAQSVGTVADETPLL
LEVQKGSSEETTQEEGEKRLTATNDGDGKSAGTLAMFVRGLQFAFVQEPLVGAYALLKG
TGALTWGAVDVLNVTF SERGSQTNPSLTALKLGLLFASTGVGCIVGSVITDIF SILSHPK
CIVRLCVLGYLAISMGLIQMSWFPNVFWSICLSGIVRSNGAAI VWINSTLLIQKFTPEL
LGRINSIDTSLALLGEALSALGGGWLMDHMGVSPEGLAKMLSLVALWLGILWSPLALRAP
ITPQEADGGDKDEKE

>comp15185_c0_seq2; 443 31 1701 LEN=2427; translated
MISASDDNKTRAEGEQRRKQTPAPQDKDKSKNANDYKSTVENENKTC SQIVSTKTTLSSE
QKCNDETENENAYLRLLR TNKNFRYFWLSYVNRIGEWMSYLASISLIQEVTNNRSDDN
IMISILLLVKLLPNVFFSPIGGILADSYDRRNVQITL DVASSWVLVFLWSYHRKSVPICY
YLANFLLDVLAGLYLPNNAIVPQLVGNP SNTEEEENDEELKATTLTGLTWSLMAALGS
SLGGVMVAVVGIEGCFVIDSVTYLISAGFLYFGVQGNYNVKS KKKTAQSVGTVADETPLL
LLEVQKGSSEETTQEEGEKRLTATNDGDGKSAGTLAMFVRGLQFAFVQEPLVGAYALLK
GTGALTWGAVDVLNVTF SERGSQTNPSLTALKLGLLFASTGVGCIVGSVITDIF SILSHP
KCIVRLCVLGYLAISMGLIQMSWFPNVFWSICLSGIVRSNGAAI VWINSTLLIQKFTPEL
LLGRINSIDTSLALLGEALSALGGGWLMDHMGVSPEGLAKMLSLVALWLGILWSPLALRA
PITPQEADGGDKDEKE

>comp15186_c0_seq1; 620 272 1534 LEN=1534; translated
MPKTCSCRGVGDGYLQSDDTCMCGGTYPNGWAPILAVQALALCGMIFSVAAALADCSFL
ELDHRLFFPEDMDENLPLEVTQTQFVGLFTWKKLDGSCYWYNYGSDMEGQVATFHDILGT

DMEKAFFFAAVSASLSFVYFIYLLISFTCSAQVRGVRYFNALFLSVVLTVLQGLTCLAFDS
SFCYDYGCTFSRSAGLSVVSIIFFFSSGLCFFFTTDYPGSEWNNKPKVLPVPMRTKIAPDE
PKDKSVPEADQMERGILGDLNDEGTPDIEEVMPDFEDEFIEEEVIDDVEEEVVGEGGEEV
PKANEETEEKEVAVDATGDEKVLETVNETNQNGDEAEQVARSMEESNDNTETAGDAAPTA
VTSPEVAAAASPDPESGNGDNTEAIAADPPASPKPQAGGSEEAVEGNEKTEAAAVDPPVS
P

>comp15186_c0_seq2; 553 189 1130 LEN=1130; translated
MEGQVATFHDILGTDMEKAFFFAAVSASLSFVYFIYLLISFTCSAQVRGVRYFNALFLSVV
LTVLQGLTCLAFDSSFCYDYGCTFSRSAGLSVVSIIFFFSSGLCFFFTTDYPGSEWNNK
PVLVPMRTKIAPDEPKDKSVPEADQMERGILGDLNDEGTPDIEEVMPDFEDEFIEEEVID
DVEEEVVGEGGEEVVKANEETEEKEVAVDATGDEKVLETVNETNQNGDEAEQVARSMEES
NDNTETAGDAAPTA VTSPEVAAAASPDPESGNGDNTEAIAADPPASPKPQAGGSEEAVEG
NEKTEAAAVDPPVS

>comp15186_c0_seq3; 297 1 459 LEN=649; translated
EAVEAVEVTLDESSENTETANDAAATTPEAAAATTAEEAATATTPDPESGTDNTETTTAD
ASPSPPEPEAGGGEPAAESVEVTLTLDQSNENTEASNVEVAASPDPEAGAGESDPAPAAASDGN
DGSNETAAEAPAASPEAAAAEAVEVTPEEPQT

>comp15186_c0_seq4; 629 272 1558 LEN=1558; translated
MPKTCCSCRGVGDGYLLQSDDTMCGGTYPNGWAPILAVQALALCGMIFSVAAALADCSFL
ELDHRLFFPEDMDENLPLEVTQTQFVGLFTWKKLDGSCYWYNYGSDMEGQVATFHDILGT
DMEKAFFFAAVSASLSFVYFIYLLISFTCSAQVRGVRYFNALFLSVVLTVLQGLTCLAFDS
SFCYDYGCTFSRSAGLSVVSIIFFFSSGLCFFFTTDYPGSEWNNKPKVLPVPMRTKIAPDE
PKDKSVPEADQMERGILGDLNDEGTPDIEEVMPDFEDEFIEEEVIDDVEEEVVGEGGEEV
PKANEETEEKEVAVDATGDEKVLETVNETNQNGDEAEQVARSMEESNDNTETAGDAAPTA
VTSPEVAAAASPDPESGNGDNTEAIAADPPASPKPQAGGSEEAVEAVEVTLTLDQSNKTEA
AAVDPPVSP

>comp15186_c0_seq5; 584 272 1499 LEN=1499; translated
MPKTCCSCRGVGDGYLLQSDDTMCGGTYPNGWAPILAVQALALCGMIFSVAAALADCSFL
ELDHRLFFPEDMDENLPLEVTQTQFVGLFTWKKLDGSCYWYNYGSDMEGQVATFHDILGT
DMEKAFFFAAVSASLSFVYFIYLLISFTCSAQVRGVRYFNALFLSVVLTVLQGLTCLAFDS
SFCYDYGCTFSRSAGLSVVSIIFFFSSGLCFFFTTDYPGSEWNNKPKVLPVPMRTKIAPDE
PKDKSVPEADQMERGILGDLNDEGTPDIEEVMPDFEDEFIEEEVIDDVEEEVVGEGGEEV
PKANEETEEKEVAVDATGDEKVLETVNETNQNGDEAEQVARSMEESNDNTETAGDAAPTA
VTSPEVAAAASPDPESGNGDNTEAIAADPPASPKPQAGGSEEAVEAVEVX

>comp15186_c0_seq6; 556 189 1157 LEN=1157; translated
MEGQVATFHDILGTDMEKAFFFAAVSASLSFVYFIYLLISFTCSAQVRGVRYFNALFLSVV
LTVLQGLTCLAFDSSFCYDYGCTFSRSAGLSVVSIIFFFSSGLCFFFTTDYPGSEWNNK
PVLVPMRTKIAPDEPKDKSVPEADQMERGILGDLNDEGTPDIEEVMPDFEDEFIEEEVID
DVEEEVVGEGGEEVVKANEETEEKEVAVDATGDEKVLETVNETNQNGDEAEQVARSMEES
NDNTETAGDAAPTA VTSPEVAAAASPDPESGNGDNTEAIAADPPASPKPQAGGSEEAVEA
VEVTLTLDQSNKTEAAAVDPPVSP

>comp15186_c0_seq7; 511 189 1098 LEN=1098; translated
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VEVX

>comp15186_c0_seq8; 547 189 1133 LEN=1133; translated
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>comp15186_c0_seq9; 626 272 1531 LEN=1531; translated
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SFCYDYGCTFSRSAGLSVVSIIFFFSSGLCFFFTTDYPGSEWNNKPKVLPVPMRTKIAPDE

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>comp15187_c0_seq1; 434 1 1634 LEN=1828; translated
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KNYHHLVVLVHGYMGSYREQEYLGEAVERETEKLRVGIETDGGREPEATGGESSSCRPFDR
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VGNSLGGLYSRYALAELEGLFRDPGDERGTDGVLPLVFCCTTSSPHLGVSQETFIELPKW
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FLVSVSSGAFLLSSSDSVHHHQDSETLATSSIRLMEDTGHVALQVATLPGEEETLVAGGG
RGTAGAESSGDTIHDLSQCVNNLDRLGWLKIFIDTRSILPEVLNLGVSELEARPSYTSRE
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EEGP

>comp15187_c0_seq2; 389 1 1536 LEN=1730; translated
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LMEDTGHVALQVATLPGEEETLVAGGGRGTAGAESSGDTIHDLSQCVNNLDRLGWLKIFI
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>comp15188_c0_seq1; 1459 1 3601 LEN=3769; translated
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VRENGTHDEL MALKGHYHRLVGLQNLDDDKDRKAHSEALQDNKVSESLVNSKNGAEKDPV
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>comp15188_c0_seq2; 249 244 708 LEN=1783; translated
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>comp15188_c0_seq3; 249 244 708 LEN=1618; translated
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TDRPKALDAAGRIFELIERKSAIDPLSTEGKKDV

>comp15188_c0_seq5; 1691 1 4664 LEN=5574; translated
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QLSGGQKQRISIARALIMKPRIILLDEATSALDSESEIVVQEALDKLIKEDEGNQTVIIVV
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FNVVIYCNEGSAFQINQLIYPPVASPFENCQQYWDYVRDDMREKSFTISYIYIGLMVAAL
LGNILVFGYFGTATERMKNRVRDASFNNLVRQEVAYFDTRPVSSITSQLSDDAAMIHSFS
GEPVRTLV MNTASVLVGLVVSFVYMWPF AFVALGVLPFMAFVRYFVRTVKYRKNV SICI
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>comp15188_c0_seq6; 1750 1 4567 LEN=5642; translated
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DANQDGE EEEQ EENPMATIRETFSFATTQRAKFNLA VGLFASVCSGFIQPAIAIAFALVFE
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PCKATAFEVFGALMGVTFGGAVLPQVAGSIEEFTAARAACYPALAAMYRKTAEEGQRKED
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QLSGGQKQRISIARALIMKPRIILLDEATSALDSESEIVVQEALDKLIKEDEGNQTVIIVV
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SGQGKSTVIQLIEQFYRPDGGQLFYKGVPM TDLNVGWLRSQMSLVAQEPVLFDM SVRDNI
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GEPVRTLV MNTASVLVGLVVSFVYMWPF AFVALGVLPFMAFGAEAEQRM YMGEDVDTGEE
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>comp15188_c0_seq7; 1750 1 4567 LEN=5477; translated
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DANQDGE EEEQ EENPMATIRETFSFATTQRAKFNLA VGLFASVCSGFIQPAIAIAFALVFE
NFADGANTDGI RRLVLI FVGIGVFASASMIVQSSFLETAAAEMTDTMKT KWFNALLRQDM
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VVPLMAVVTGFVIKLNQTKTARANESYAKAGGIVFYAVSSIRTILSLNAVEEVVAKFEKA
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VRENGTHDELMALKGHYHRLVGLQNLDDDKDRKAHSEALQDNKVSESLVNSKNGAEKDPV
GDYEDYEINPEFDKSNACKARTLAKGDEIYFVIGAVGALLAGLIFPGWGFAYMVELLY
FNVVIYCNEGSAFQINQLIYPPVASPFENCQQYWDYVRDDMREKSFTISYIYIGLMVAAL
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GEPVRTLVMTASVLVGLVVSFVYMWPFVAFVALGVLPFMAFGAEAEQRMVMGEDVDTGEE
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>comp15188_c0_seq8; 1691 1 4664 LEN=5739; translated
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DANQDGEQEEENPMATIRETFSFATTQRAKFNLA VGLFASVCSGFIQPAIAIAFALVFE
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VVPLMAVVTGFVIKLNQTKTARANESYAKAGGIVFYAVSSIRTILSLNAVEEVVAKFEKA
TQEAFIGATGQVISIGANGALMAVFLFAYLPLTLYGTYL MYREVS ENGC D P SGVAPLNP
PCKATAFEVFGALMGVTFGGAVLPQVAGSIEEFTAARAACYPALAA MYRKTAEEGQRKED
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GEPVRTLVMTASVLVGLVVSFVYMWPFVAFVALGVLPFMAFVRYFVRTVKYRKNVSI
SLTLLIPSFLSLQGAEEAEQRMVMGEDVDTGEE EKTSGVIVIESLSNIRTVASLSLEDSRS
KDFAMALRKEDPTPMKTNCKVGLYTGIGPLFQQWSFALLFWWGGWLD RYPTNTYTSRGLY
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>comp15189_c0_seq1; 529 251 2202 LEN=2344; translated
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NANALYKPRFYYSPLDLLDKATLPTTPRTQVLDALASVKQSWSVIEATTEGTHEEIVEPY
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DINLVFLEAHAVAILVPISSHKTTDGFHLSTHKHVCLFPAIWNLLMEVVLS PQAIAYFR
DASHSTGLLNIGIFEPTTTKKNHHARRKQKRKHREKQDQIRKLVAAVDLGLDRDEYAMS
SLWMAQALRLTMLLRTSDDTQTRWAALVSPSTETATTTAATTGLEPNDDVRS AIWERS
ITSKFQTLLESNTHKNSGGEKDHCCSTQYPWFKYEEVSAGAI SFFWCCLFDRTDALSDSL
DREALSRFVHVMTNEFPNSKILQSEGIQILSPPREASTHHHKSSANKSDNSSNHHCYCSE
PSPQYPLSSSFVCPVPFALNGTRTILVGDPTRARCLYDDPLASLSTSYHNLSNGSKSNR
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>comp15190_c0_seq1; 816 69 2099 LEN=2310; translated
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NTTKGEFTYSSAGVSEPCDRPKLTRKPSKRPTKYPTRRPTKRPTKYPTKRPTKRPTKFP
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>comp15190_c0_seq2; 809 69 2081 LEN=2292; translated
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YDPCAVATVGHDPQGRPKQMKILAGRAGAPIFKCMLDKIVGNVKSRYYPNTNPLALTGPMLLHECYE
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>comp15191_c0_seq1; 203 162 468 LEN=823; minus strand; translated
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>comp15191_c0_seq2; 254 1 930 LEN=930; translated
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VPRGVLHGLQPAACPGGFFAAPAASGPLPAVPGKPLVPPPGGRGAGHAASRRGGEARVGR
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>comp15191_c0_seq4; 235 1 884 LEN=1321; minus strand; translated
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WLESMQNSRRNVFVAGGETWTPGRGWGGTRSKTNPGTAWDADPGDCWEADSFFAESTNE
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>comp15191_c0_seq5; 235 1 884 LEN=1213; minus strand; translated
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WLESMQNSRRNVFVAGGETWTPGRGWGGTRSKTNPGTAWDADPGDCWEADSFFAESTNE
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>comp15192_c0_seq1; 460 297 2509 LEN=2692; translated
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>comp15192_c0_seq2; 428 297 2704 LEN=2704; translated
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FSPLRTVSIQFFYFHSRILLTFTVRLRVEPFVFPFLEVRNSTHNLDWRSIHRQILNXIS
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SPYDAKTPDNEATRINA EKCYIFSLSDALNHFFSFLPARELGALTTLTCRQMNKLLVTEE
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SYARFLQEIVTGHSNLNVGGKTPIMLP SFVNGRFVST SPEHTLCRVGGGANS GGGSGVA
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GRSYTPYDYE PVGALDGMADGDEDEFNFVFNQOQQOQQPGAVNPNNGNQERNTDDFDLV
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LGHGDNQSHMFPMRIQDFDDKEVHIVQMSAGVDMMAVSATGDVYAWGKTDGGRLGLGTT
PARVTLPTKVNLVSDGTPMKAVDVECGYVHSVIVGLNGTIHTCGEVGIDGNADGQGGSGE
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>comp15200_c2_seq2; 112 1 1134 LEN=2237; translated
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VAIPPYRDVHFYFCHRLIHLRCLYKYVHSLHRTTDTPEFSGLAMHPVEHAYYYTCYGP
LVL PALLPPRWAGAVHWPFLFWTGFHAVLSPAASHSGYEDHFSADLAHYLHHRYGECNY
SGGINFDACFGTHVGALRGGSGSPCPPADPKASLGWLP EHPHYDLGACGLVASGPLLVS

CSAVGPTVAALVATAGPAAWALALYVSTAPQGMPLRKACLAPFEKDPWWSLGLHLGLGFC
LGVLP AALLASLLLGA

>comp15200_c2_seq4; 112 1 1134 LEN=2217; translated
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VAIPPYRDVHFYFCHRLIHLRCLYKYVHSLHHRTTDTTEPFSGLAMHPVEHAYYYTCYGP
LVLPAALLPPRWAGAVHWPFLLFWTGFHAVLSPAASHSGYEDHFSADLAHYLHHRYGECNY
SGGINFDACFGTHVGALRGGSGSPCPPADPKASLGWLPEHPLYDLGACGLVASGPLLVS
CSAVGPTVAALVATAGPAAWALALYVSTAPQGMPLRKACLAPFEKDPWWSLGLHLGLGFC
LGVLP AALLASLLLGA

>comp15201_c0_seq1; 654 596 2038 LEN=2348; translated
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AVQANYDRLAAKLGELYEAYDGGDDTGPSAEAPVGGELLAEYKKTGDELELEKHRRLH
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>comp15202_c0_seq1; 1008 98 4140 LEN=4198; translated
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VSPRLPRSVKTAPFDWRPVENTLTVAWERYKYLQLPKKERDAIDPENKPRPLKILIMGGS
VLVGTNCRMMMRELNFQFRMPKRECNWGFVQFLNAFFLGDGDYKEERTEKLVEVTKVA
MGGTNTATGSVIWQYDLIPEEARNPDIVLNAYSTNDLHILTVLEAKSSNTTLRDRTFEMM
QSFVRQIMGTVRCPTSNSGSNTDSNNEPIPLLLHMDDYLGNEQRKIWETTELTQGVQVL
ANYYGFSMSYADLIREFVYGDYKWFSSSEWVKEKKRKNLIFDRQIHPGMGMHISSVW
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DXLMPMSYSSYVLPYRYGKRNEINKYCNLLLVLTQAYEYRTWSPTPEKLRSYFFGIRQH
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LVEGLKESAPPPSSQHRFEIDVIALEDWLGKGLISDEVETNDDDKSSIIIGLVNRVSDA
ASPALFKACCGLLAVVENVLHIPVWNGSTAYSLAGNKWRHHILFRQANLSAPITMYYYYTG
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>comp15203_c0_seq1; 567 303 2693 LEN=2738; translated
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FSEKIDKGAEDGNSSEKRPVRSKALGFEFFNRKNSTDKNVGTSTPSCIKSMPAGKML
KLPKSIKEIDGQLWRVDEKGNKIKRVRKSTANATNTYENCAETTTGHSVEEKVEGRLGR
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>comp15203_c0_seq2; 493 1 2403 LEN=2448; translated
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ARSEVLPSIQLDGVEKEAEERTGLDELISQSVEDHVRESPPMEKPSLRRSKSKNSLGELEF
RRASFSEKIDKGAEDGNSSEKRPLVRSKALGFEFFNRKNSTDKNVGTSTPSCI KSMPA
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AEGHDDQATAMQMAELQKQLMESKHEVWRLKQVAAEQKEEIDGTDSKIAELEANI SDAA
NERKNLVSEVDRLSTKLELREQDLIKKQEELEKEKIAALDRPAGDHLVAQITDLMNENNE
LMDRMTALKLVARQEKDKKDEELRFLKSELDRLAERDQQNLEKLRPEKPSMQLVDKIW
NQKRDATEQSRYRQIQDLRDRVRGLEASNCKLRELGRVTVEIKSDDDEETRKAKEMARA
VSRGRLTRTRSAQVRDR CERQLERSKSPHANGENKLSRLIQRSKSADMSVVRHRLNRNN
DNRFCNSEENWWNHRTPNRP

>comp15204_c0_seq1; 576 1 1485 LEN=2204; translated
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ACDKAAPLSIFQSLLEADPSTVGRPKWGDLP IHTACSRAAVSFSESDAGDPLWNGPTSL
ASAARDETVETIRLLLEADVHKTTLFVRDVYESLPLHTAVRYNAPPCVVEMLLDAEEESL
ARRDACPRPLAPLSALYTEGLHGQVPLTVACRS GNPSPGVLG LLLDRDDRNGDGFYPST
ALHRDATGRLPVHVFM LRNTCEVSLR TLLNAMLGCSSNRNKRGGGSRNSILRIGLDAWK
VQLRRDLIEGTDASGSNKQGLYERDFVTRDKLDVIRAELEVLYEKCIALELVVWKN SMDI
REKDD ESSAGGTPPEEKCDKSSERDNGFRERCRI VGGAEIIVPNVLSWLEDEPVQNI LDT
FASYGYLGS DV DKN

>comp15204_c0_seq2; 576 1 1485 LEN=2365; translated
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ACDKAAPLSIFQSLLEADPSTVGRPKWGDLP IHTACSRAAVSFSESDAGDPLWNGPTSL
ASAARDETVETIRLLLEADVHKTTLFVRDVYESLPLHTAVRYNAPPCVVEMLLDAEEESL
ARRDACPRPLAPLSALYTEGLHGQVPLTVACRS GNPSPGVLG LLLDRDDRNGDGFYPST
ALHRDATGRLPVHVFM LRNTCEVSLR TLLNAMLGCSSNRNKRGGGSRNSILRIGLDAWK
VQLRRDLIEGTDASGSNKQGLYERDFVTRDKLDVIRAELEVLYEKCIALELVVWKN SMDI
REKDD ESSAGGTPPEEKCDKSSERDNGFRERCRI VGGAEIIVPNVLSWLEDEPVQNI LDT
FASYGYLGS DV DKN

>comp15204_c0_seq3; 576 1 1485 LEN=2230; translated
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ACDKAAPLSIFQSLLEADPSTVGRPKWGDLP IHTACSRAAVSFSESDAGDPLWNGPTSL
ASAARDETVETIRLLLEADVHKTTLFVRDVYESLPLHTAVRYNAPPCVVEMLLDAEEESL
ARRDACPRPLAPLSALYTEGLHGQVPLTVACRS GNPSPGVLG LLLDRDDRNGDGFYPST
ALHRDATGRLPVHVFM LRNTCEVSLR TLLNAMLGCSSNRNKRGGGSRNSILRIGLDAWK
VQLRRDLIEGTDASGSNKQGLYERDFVTRDKLDVIRAELEVLYEKCIALELVVWKN SMDI
REKDD ESSAGGTPPEEKCDKSSERDNGFRERCRI VGGAEIIVPNVLSWLEDEPVQNI LDT
FASYGYLGS DV DKN

>comp15205_c0_seq1; 343 104 1807 LEN=2489; translated
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IVTAAHCQGA FN YGVMAYNPFSGELDQYKTVDLQIAYPAYRSDSINYDIMVMRLESPV
DVQPVALNYDPDFPIRRET KKDEV LAPVSLLEGLGLGITETGDVADGLEIGLFSAL TNDQ
CFERFGRNTNAAVTEDILCADPSTDESICLGDSGGPLTARLEVGVTS DGDVIEHSAIGGR
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EYVGPEYVPQRGARVRSFQWLPKPNYVLEVRDAGGDGLNNPDFVNPDPYPSGSWSLSAEYS
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SGDSL SSTMIIHYFSIGLLCWSL LLQHL

>comp15206_c0_seq1; 512 305 2323 LEN=2594; translated
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NLDTVRDLLSSYDISVPA AIVDI APIYSASPELRLASDMIATNTFPFWEGTPIAYAVDEL
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SGSGGGSGTESGTPVLSVPVTATPTATPTIQLTNPPTLSPSTSAPLPLPTINPTNSDA
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AQVVPVTNAPSVAPEPSKTDGNSSGTSKSETGEISSSTPSDQDSAVPISPWNENGWDNEN
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VSVIIDLIGLYV

>comp15207_c0_seq1; 143 2220 2958 LEN=2958; translated
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FLGDGSSVLAARDNGFLFQHASESLKADRDFVLAVASADQSGHAFRFSSEELKRDRALV
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LRFASDX

>comp15207_c0_seq3; 76 2242 2980 LEN=2980; translated
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FLGDGSSVLAARDNGFLFQHASESLKADRDFVLAVASADQSGHAFRFSSEELKRDRALV
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LRFASDX

>comp15207_c0_seq4; 160 1 542 LEN=570; translated
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AAVESDGDALRFASLDLRGDPDIVYAALGESPLALAHASREFFVSGAKRFPNRKCSGTPV
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>comp15208_c0_seq1; 502 228 2264 LEN=2320; translated
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IAEQAIFCVAGATVPFYDTLGPESVEFIFLKQSTSTKTVVSTRAELERLCAVKKNGLCPDFK
VVVLVNGVTAEEAEMAREAGLEVLSFAKVEAVGAHRIDTEGFQHRPPSGNDVFTFCYTS
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KSDKLKSVMADIKKIGKANGLHGFEMPKAIHLTDKPFVTEGDLTPTFKLKRQARDKF
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>comp15208_c0_seq2; 182 228 905 LEN=1025; translated
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>comp15208_c0_seq3; 451 228 2526 LEN=2582; translated
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TKTVVSTRAELERLCAVKKNGLCPDFKVVVLVNGVTAEEAEMAREAGLEVLSFAKVEAVG
AHRIDTEGFQHRPPSGNDVFTFCYTSGTTGDPKGALLTHENLISAVAGVDKVFQFEGNDR
HLSYLAHIFERIVQCQVYMNGASIAFFRGDPTLLIEDLQACRPTVFPAAPRVLNKIYD
KIQVGIAAAGMKKLFDAAVHTKTKNLMATGQLTHGVYDRLLFNKIKKGLGMDCLRTMI
SGSAPLSKKVMNFYRIMLGISVVEGYGQTENSACCTISLPEDMTTSGHVGVMPASEVVL
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LWTEGDLQIIDRKKNIFKLSQGEYVAPEKIENVIIQSLFIGQAFVYGDLSQALVAIIV
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>comp15208_c0_seq4; 122 228 635 LEN=1287; translated
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IAEQAIFCVAGATGE

>comp15209_c0_seq1; 419 1 1417 LEN=3181; translated

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Q E D V V T D F V C E L L P D A E K T C H R L R A T V E D G E N H S T K R P L Q S F D A H R V A E A A F E K G Y I T T A
S P K E V V V A M L K E E L E K N A M S I R S E F L V C P T P G L V A R L L N A S I E F E Q E M L A I N H E E Q S T S E
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>comp15210_c0_seq2; 726 389 2512 LEN=4119; translated
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K A V L E N N K D K L I V L K V F A P W C K A C K G L A P K F Q R L V N D E K Y Q D L P I V W A D L N I Q G N K D F V K
S I G V L A L P T V Q L Y A G D G L K T D T F P C G P S K V P I L K R K L V K L V N D H V D A K T R T L K S A S P S T V
E T A N V T A V S N E A A N G T V S V P P V S T K D E V P K N S T T T A G A A A A T A P E P A D T E E T I E E V I E R E
K S T L R N V K Y L S D M L E S E Y E E L L T K A T L L T F E A G S I V M R E G N V G R T F Y I I L E G E V E I C Q R T
S F E D P L T T P P S Y L G T V I N Q F T N K G D F F G E R A L I T G E P R A A S I R A S S R T K C L A F D K G S F P K
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P I A G V D T D E E Q E A D Q S N V V G D P S A L G V G T E T M V N L L I R L K L I R S I T R C F D Y T V K Y K L K F G
D P G S R R R R N I L V S K L A P M Q R T Y I E D A F Q L I D D D A S D E I N L M E L R R V M D S V G E S K S D A E L L
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>comp15211_c0_seq1; 398 1 2712 LEN=2757; translated
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A R Y G M F I V G S S K T L L R K E S G I K T W S I L F D M M A E R G Q I K R G L P T V C T L H P D D P P K E L K S R L
E F R S N R P N G G C D R P C G F R L P C G H V C P Q M C H P L D Q N H T F A A K N C S E P C R R I P P A C G H Q H P C
T K L C R Q A C G P C R T P M G P F T L P C G H V N F T I T C H E T R S E E A I E C F S R S C S E R V E K S F P S D M F
P Q Q H A Q T L D Q N G L F V Q K N A A R G L N H A A T N V G S Y V T H V T G I M I A N R F A R E R C F V A I F A I D H
A T L A K N A S R A R R L V W L A A H I Q N V Q S L A V H H V R H A S K N V I G N V N I L E S V S L F A V L L A Q G C L
V T S G A Q N F S T A D T V V P R S V A N R A X N K K Y C A E C G S D D I K S T V V D F I L L E Q Y A E H D L D S D P V
I F L P C G H F L G I E T L D G H L E M G K V Y D Q N P E S G E Y L S I K S I L E S G L S D R P K R C P Q C Q F P I T T
I R R Y G R I L N Y I A L R G L E R K H R E F V E K T L S Q L S Q M K E K N L K T L K E L R K T I E T S P I Q Q V R N A
C L S L E T A D E V E V P R P S P S L L L K V V R M T A Q V R A G K V E E L N D G N H R K A K N A F L E A I D I A H R S
Q S W S S S A S I R I E F V E F L W R W M A Q D E P K D L V L K H L D W V E N E M P I A A S Q E V A R A R E L R R E I V
S N R K L K D V I A A M N I I Q G Y D Y G G G A S G H W Y E C P N G H P Y Y I G E C G Q A M E T S M C I E C N A Q V G G
G S X S I A G I E S S V A T I S S L S T P G P Q R C S E F V T E L Y D I K A I A D K D G L P G K S A R T Y R T T A L L A
S Q V L

>comp15211_c0_seq2; 247 1 1352 LEN=1385; translated
X R S Q T Y P N L M D H E S V L E F P N I R G V N E N V V F I D H E N L E D E V E A D S L D A K R S S T T K S N K F E A
E L C V E I V R Y F L L Q G Y S P E Q I V V L T P Y L G Q L S K I T R V M R R E L K N I D A Y I S E K D L D E F E G E E
Q D E L A G T K A S E K R G T V R C S S V D N Y Q G E E S D I V I A S L V R C N Q D G S I G F L K E P Q R V N V L L S R
A R Y G M F I V G S S K T L L R K E S G I K T W S I L F D M M A E R G Q I K R G L P T V C T L H P D D P P K E L K S R L
E F R S N R P N G G C D R P C G F R L P C G H V C P Q M C H P L D Q N H T F A A K N C S E P C R R I P P A C G H Q H P C
T K L C R Q A C G P C R T P M G P F T L P C G H V N F T I T C H E T R S E E A I E C F S R S C S E R V E K S F P S D M F
P Q Q H A Q T L D Q N G L F V Q K N A A R G L N H A A T N V G S Y V T H V T G I M I A N R F A R E R C F V A I F A I D H
A T L A K N A S R A R R L V W L A A H I Q N V Q S L A V H Q

>comp15212_c0_seq1; 280 1 1658 LEN=2638; minus strand; translated
X G Y T R A V S Y Q R G Q M R L M I F Y D D D E I S L D V L S V K A Q N T G R A G L A N K G G I V A E C E I D S G T R I
S F L T A H L E A E H G L S K Y N T R C S T I G D I L K G T A S S L L D S Y C C D V S M T S H F M F A M G D L N F R T R
L P N H A I G S D E H L K E A H K L A E M K D W D A L N K Y D E L S F A L R E K E C F V G F S T P R C D F P P T F K V D
R K D G Y S Y S K R S P S Y T D R I L Y K A N H R L A P M I D L L A Y G P I D R F T T S D H K P V R G A Y E I Q L N Q
K L K S R P I L T K R Y K K S M A L I S S T S A L V R K V K L S T S K Q K R A K M A K Q K S N Q V H S E K F H M F L S
S I S C E I A Q D D S T S S H P P S P R V T L V S T P T D A M T S E N K M N R F K V W Y Q K S A G R F R A Q S V S K W P
Q T T T I G N T Y C P R W D K E I A I A I Q T H L D C G S P V D L T G A M L H I L V H D A R D F V T L I G S C T L N L A
S L I T S S D N E K R E S N S S N N T F G Y N S P S F K E R L K R M S E S V M K I T E A S L F T L S E R S S K E M R G
R S S S V T F S P R S S E K A S S A I G L A D S Y A E I V P L H H V F D E A L L K N G K E V G R I K F K V D T W W L N D
G D F A H L P A R S M R

>comp15212_c0_seq2; 280 1 1658 LEN=2280; minus strand; translated
X G Y T R A V S Y Q R G Q M R L M I F Y D D D E I S L D V L S V K A Q N T G R A G L A N K G G I V A E C E I D S G T R I

SFLTAHLEAHEGLSKYNTSRCSTIGDILKGTASSLLDSYCCDVSMTSHFMFAMGDLNFRTR
LPNHAIGSDEHLKEAHKLAEMKDWALNKYDELSEFALREKECFVGFSTPRCDFPPTFKVD
RKDGYSYVSKRSPSYTDRILYKANHRLAPMIDLLAYGPIDRF'TTSDHKPVRGAYEIQLNQ
KLKSRPILTKRYKKSMAILSSTSALVRKVKLLSTSKQKRAKMAKQKSNQVHSEKFMFLS
SISCEIAQDDSTSSHPPSPRVTLVSTPTDAMTSENKMNRFKVVYQKSAGRFRQSVSKWP
QTTTIGNTYCPRWKIEIAIAIQTHLDCGSPVDLTGAMLHILVHDARDFVTLIGSCTLNLA
SLITSSDNEKRESNSSNNTFGGYNSSPFRKERLKRMSSEVMKITEASLFTLSERSSKEMRG
RSSSVTFSPRSSEKASSAIGLADSYAEIVPLHHVFDEALLKNGKEVGRIKFKVDTWLND
GDFAHLPARSMR

>comp15213_c0_seq1; 490 2528 3703 LEN=3793; translated
MTQPTTVRSHMQDSYKHKVKAITDDEVSRLRGPDGPKYTVLVTGAAGFIGMHTAIELKQM
GMTPIGYDNVNTYYSTDLKESRIKELKKNLILFERGDVCDADKLKEVIKGNKITRVIHLA
AQAGVRYSLDHPFEYIHNNDICTVNILEIMKELDLKEHPLVYASSSSVYGNNVKVPFLET
DIVEDPASLYAATKRSELIARTYYNLHNISISGLRFFFTVYGPYGRPDMPWMFTDRISN
NETIQVFNNGLSRRDFTYIDDIVQGVVNSLLVDRAKTSLEAEIVNLGNHGPVLLADVFRI
VEERVGKPAQIQHLGMQKGDVPKTFADISKARYLLGYKPTTTIEDGIDRFVTFWEQHNAS
RYRMTQTPQSNPKENNTAVGDSKIDAKPK

>comp15213_c0_seq2; 493 263 1407 LEN=1509; translated
MKIPLVLFVGPWALFLFQAIIVSAENECRDDQNYRYGGDDWKDCKWIYDNNRCDRHDNDK
DHHVGKYYCPKSCGFCKENGAFFSYNGDDKRNDDAVFFFHDGDDYSNGDDQKLQHYDDG
CSNDNGFRYEGKDWKCDWVAEERFCGRQHNGKNIGEHYCPVSCGYCDDDDWQGGDDDKW
HYDDDKWHYDDDIWHQDDDKWHQDDDKWHANNHNYDDDKVYHHNSYGCNDDHDFHYEGK
NWKNCFWMAEEGLCNREYNGKNVGNKHYCPYSCGHCDDDDNHSDNEYFCFRYDNEDFRYD
GKDWKDCWVAKEKHCNLEQDGKKIGKEYCPWSCGHCDNDKPPXEETYTETLWAHKEAYG
THEEADTEAHKATNSTRWILL

>comp15213_c0_seq3; 490 3278 4453 LEN=4543; translated
MTQPTTVRSHMQDSYKHKVKAITDDEVSRLRGPDGPKYTVLVTGAAGFIGMHTAIELKQM
GMTPIGYDNVNTYYSTDLKESRIKELKKNLILFERGDVCDADKLKEVIKGNKITRVIHLA
AQAGVRYSLDHPFEYIHNNDICTVNILEIMKELDLKEHPLVYASSSSVYGNNVKVPFLET
DIVEDPASLYAATKRSELIARTYYNLHNISISGLRFFFTVYGPYGRPDMPWMFTDRISN
NETIQVFNNGLSRRDFTYIDDIVQGVVNSLLVDRAKTSLEAEIVNLGNHGPVLLADVFRI
VEERVGKPAQIQHLGMQKGDVPKTFADISKARYLLGYKPTTTIEDGIDRFVTFWEQHNAS
RYRMTQTPQSNPKENNTAVGDSKIDAKPK

>comp15213_c0_seq4; 99 1 138 LEN=759; translated
DDDKWHQDDDKWHANNHNYDDDKVYHHNSYGCNDDHDFHYEGKNW

>comp15214_c0_seq1; 235 1 579 LEN=1230; minus strand; translated
GKRTATSGNRAANGDDCVMPSPPKGLTAQMSDLFASFKEGSTRGRKNSSGRNKNQNF
NWISQSAADIDDSPLPLPPGGTFEGGLMRSISSLSLVEHPSMVLNMYKSSVSSPAQTA
FTYQKPPQQQQKHRQPGFGDVSIGDGMAGNSLLGQRAEQRSSLLDDFEETPMEQQLRNA
QAKRNPEKWSGF

>comp15214_c0_seq2; 638 135 1994 LEN=3174; translated
MPLLTALNKKIAFSAFAIAFFTICFFSIYATIVTLLVLKGGVVDLANSHTAYFPPTAVK
TGLIPGANSTTIPVAKRNGANYDPLADRPVYFNSGEQKSPLPVIMNTIRTRFSPFLNLS
IASNNNNNGGVEAFDNITTLEREQMRVLEVLVDHYSKTEQGIDSDVVELRHCRLDMIDYH
MFSSWASIIQLQDAWPTIERKLRNTGEVKGIRNRDNWDKNMYREFCFGLLEIFATHSIGR
YNHTICDFEKYSLKIERGDLLSAELKLRVSPSSNNLPRLVFVIAFQDAGHLEALIDAC
EELKVPYDYWLTGLGNAAYPLLGAEELTKHFLNTRKNIWLGELKQNYGEGANWGYLERKRL
IFTTGDQKYTQRTKKWKQNDFTPLIPDNIKTNTKKTNSGNQAVFSQKVVKLVASPEVK
ELLSIAKYGCCCCLEERTWIAAARMIGYGEAEAMEAASMFQVWGGEKCGDGSMMKNALLK
NASICFKSQDLTQGNIFERHRTDSQNTGDPDFFFFRGDKLLELRLAKERGFLEFARKFNS
RDRDSLELEIEMIKKNLHND

>comp15214_c0_seq3; 1100 160 3449 LEN=4013; translated
MIKNSCNGTFNRDNYRKSISGTYPSEASSAGGYSTDINTEVKNFGSNALDTGNSSRR
NQDNHMGNGYQNHNPQQPYNPHHHEKGPSTNLHRRNSGSSGSAKSNKKYVKNKHQQN
NAKFGNTHHPISKPKKVPTKPKKPLRVLGIALIVDQKGTGARMLARYPTSPSSMKKVD
EVDNEDGGEAINGRTGLYDRNEDEDAEDDDGDDESDGYDRKRVSKHDDDLFFTLTARQM
AKLFRTRSLCNQPMTLRVNRTVFCCHAVLLEDPCSRSSNNDISNGTAKDEIGSPDSPLA
KPKTRNLTQQPKIPLAPSIRVDRDRDNNSMSLSMMASEADDPENEDNKLRLFSVVVAIS
ASKQQAALPSSFWETGSGEDLVDLERYIROGGMQMKTSDNSVKKKPPKSRAEKTQTDNS

DDNDKRWKLKRREQTAGRVSSSTFLAIRRVHISLARFCRALEREENRCAYVTLQSCALFK
IRNGRQKQWEAMQINRSSASASVSNCATITTTSSSGSRGDRSPYPDRHNPRHSRTNSFMSS
YSLPSDAALKKAFDNDNDVSGEVLDTIEKDQEKEQEILELMLACNPQDNHQQQKEKCYLQ
KGDSSFQQRQYGNLIRDLVAVFHSLSRNDQEYPTPSSLLCERDTVYVNNHFAIPIDAA
GLNGNSYSPSFSMPSPSVYSQHKYGAQAEGGPVVLPHYTLLFPHASPSXNVADFPF
FRISASPTLKHLLLSVCPQKSLTQISIDANLPMHTTMAIASFLVAHGACITSPVNSRSR
LTCLGSNSIQRIRELTLDQAFPGVNLFRVVSFLTSSSRHLGDTMAVLADTDNNEGAWL
REALLASPKYRFYNHNLHGDDGDNNGANDAAAADIKDTIRNGTHQALFSDEKETYS
SIHTSFPSSTWRGTPKPSGLAQDTHHPPPPMSVHEWLKDLDFLYAVSVWLLSRELLVQLQ
EYMAVDIESPSKSSRLEPVDLDESNSLLSPPPMVEDSSSGTTGTPLIPSVASTTGT
TNTSAATIGNKSRNDLDEKLFKELMAMEYLNQDVSMIALSWQLAIDPRKLRHWGLRHKR
RVISRVPSRETIGNPM

>comp15214_c0_seq4; 638 110 1969 LEN=3149; translated
MPLLTALNKKIAFSAFIAFFTICFFSIYATIVTLLVLKKGVVLDLANSHTAYFPTAVK
TGLIPGANSTTIPVAKRNGANYDPLADRPVYFNSGEQKSPLPVIMNTIRTRFPSFLLNGS
IASNNNNNGGVEAFDNITTLEREQMRVLEVLVDHYSKTEQGIDSDVVELRHCRLDMIDYH
MFSSWASIILODAWPTIERKLRNTGEVKGIRNRDNWDKNMYREFCFGLLEIFATHSIGR
YNHTICDFEKYSKIERGDLLSAELKLRVSPSSNNLPRLVFVIAFQDAGHLEALIDAC
IMPQHLLIVHLEQRSPSSFVKSVHRIAKKYENVAVVQFGSIIYRTDSVSTVNYQIMNWLT
EELKVPYDYWLTGNAAYPLLGAEELTKHFLNTRKNIWLGEKQNYGEGANWGYLERKRL
IFTTGDQKYTQRTKKWKQNDFTPLIPDNIKTNTKKTNSGNQAVFSQKVVKLLVASPEVK
ELLSIAKYGCCCCLEERTWIAAARMIGYGEAEAMEAASMFQVWGGEKPKCGDGSMMKALLKP
NASICFKSQDLTQGNIFERHRTDSQNTGDPDFFFFRGDKLLELRLAKERGFLEFARKFNS
RDRDSLELIEMIKKNLHND

>comp15214_c0_seq5; 638 110 1969 LEN=3133; translated
MPLLTALNKKIAFSAFIAFFTICFFSIYATIVTLLVLKKGVVLDLANSHTAYFPTAVK
TGLIPGANSTTIPVAKRNGANYDPLADRPVYFNSGEQKSPLPVIMNTIRTRFPSFLLNGS
IASNNNNNGGVEAFDNITTLEREQMRVLEVLVDHYSKTEQGIDSDVVELRHCRLDMIDYH
MFSSWASIILODAWPTIERKLRNTGEVKGIRNRDNWDKNMYREFCFGLLEIFATHSIGR
YNHTICDFEKYSKIERGDLLSAELKLRVSPSSNNLPRLVFVIAFQDAGHLEALIDAC
IMPQHLLIVHLEQRSPSSFVKSVHRIAKKYENVAVVQFGSIIYRTDSVSTVNYQIMNWLT
EELKVPYDYWLTGNAAYPLLGAEELTKHFLNTRKNIWLGEKQNYGEGANWGYLERKRL
IFTTGDQKYTQRTKKWKQNDFTPLIPDNIKTNTKKTNSGNQAVFSQKVVKLLVASPEVK
ELLSIAKYGCCCCLEERTWIAAARMIGYGEAEAMEAASMFQVWGGEKPKCGDGSMMKALLKP
NASICFKSQDLTQGNIFERHRTDSQNTGDPDFFFFRGDKLLELRLAKERGFLEFARKFNS
RDRDSLELIEMIKKNLHND

>comp15214_c0_seq6; 638 135 1994 LEN=3158; translated
MPLLTALNKKIAFSAFIAFFTICFFSIYATIVTLLVLKKGVVLDLANSHTAYFPTAVK
TGLIPGANSTTIPVAKRNGANYDPLADRPVYFNSGEQKSPLPVIMNTIRTRFPSFLLNGS
IASNNNNNGGVEAFDNITTLEREQMRVLEVLVDHYSKTEQGIDSDVVELRHCRLDMIDYH
MFSSWASIILODAWPTIERKLRNTGEVKGIRNRDNWDKNMYREFCFGLLEIFATHSIGR
YNHTICDFEKYSKIERGDLLSAELKLRVSPSSNNLPRLVFVIAFQDAGHLEALIDAC
IMPQHLLIVHLEQRSPSSFVKSVHRIAKKYENVAVVQFGSIIYRTDSVSTVNYQIMNWLT
EELKVPYDYWLTGNAAYPLLGAEELTKHFLNTRKNIWLGEKQNYGEGANWGYLERKRL
IFTTGDQKYTQRTKKWKQNDFTPLIPDNIKTNTKKTNSGNQAVFSQKVVKLLVASPEVK
ELLSIAKYGCCCCLEERTWIAAARMIGYGEAEAMEAASMFQVWGGEKPKCGDGSMMKALLKP
NASICFKSQDLTQGNIFERHRTDSQNTGDPDFFFFRGDKLLELRLAKERGFLEFARKFNS
RDRDSLELIEMIKKNLHND

>comp15214_c0_seq7; 235 1 579 LEN=1214; minus strand; translated
GKRTATSGNRAANGDDCVMPSPPKGLTAQMSDLFASFFKEDGSTRGRKNSSGRNKNQNF
NWSQSAADIDDSPLPLPPGTFEGGLMRSISSSLFSLVEHPSMVLNMYKSSVSSPAQTA
FTYQKPPQQQKHRQPGFGDVSIGDGMAGNSLLGQRAEQRSSLLDDFEETPMEQQLRNA
QAKRNPEKWSGF

>comp15215_c0_seq1; 1755 200 7015 LEN=7496; translated
MSAFEDNGVEDPSWKHPHAFHLNLPNHIHEDGIPYITKYAHKKSRYILKLVEISLVLA
EMFVSEEGNDVASGIGASEYAHDDLKMDGDGEDQKVDEVEIEEVPYIGAKPRDLAFLR
LCSRLQSQMSLESLSKYSGLSRIELSKIVLHILRLVTATYSVETTDEPMEKQKRSATIYY
EDVGYILSSTDKDSEEHRSACIELSDSLERVLQRKFAIPFPGRKILLSLLVNILSNKGP
LRSVSNAAIFFRLNDADSQDKEQSQEQRFLLIIRWRTLLRMLLRTAPYLDEYKVGNHPT
ASNLRNRVTRQTVQMIRDARHFFDQGLRPGHTDSQICDNKSACEIWEMVKKDVMFHSHT

NACYRSLVMLYL FHP SRCTSEYYAGVMPVWFDAWTNIDRCPEIDFLWLALFTRARKHLGP
SFDWGP IRRLLTNSQYWLQVP IGGSLDKSFPNVANARSRSCPSRLKAFAGASSSYEEG
IDFVAKVAKLLVNLGLGEG IGGISEGTDVLRFLNFVTPYFHP SNLGSWTF TLGAFLHY
FSYEVSCRMGLAAMNS IKENRPELAKALSEVEPSLTVADLPHEVVVLIDSLPLCQQS
LYSKNAHVGRAGEAAMVYLAQIDPLRVTPVVIDFAMRALGISAVNLAHQAPAALSALTRL
LQPSLRDPNILLVRLPELLRLTLGIDSNDQNKTI RTLILYRSLTSWIPVGGTPDDWKH
LTENNGSEPDRC DGTVVVTGQDLHGHLKPTESSSYLETIEKLPETSLLKQGSYREEFD
DLLLQEASSALSDWVLEFFDRIYDTLRATGEREKVGN TASGVASRHSSADVQVARNFSRV
LKECLTQTF AAMDEAVHKLAVNSVKRFLSEETLPNAAKDSSFLCLAACSARVKDGHVTS
GLNALVPI LMDELEHHSNKTVVYRLRCLAGAVRSCGVAI IKHKNDIKTAINFALESKDKH
VFKTGCKLLRHTLSTLCE SYLTTGLVPRIAEQKGKIVFGKSAQLHDDPVEWHVPSGDCI
QFAWELLNHNVLERIQRISPSDDTKESVDSFELRRCLRVLYALRGGAGAMLD FQNDCCD
DSSDKMDVDSTDKNGDVNLFPEYQAMINLLKTAPKETYESMMTMRCRVSLFTVTLMNVIA
SESEFKVDEAPQTIDSRDGTSSVLEKKYIASVSSDPKICKEVCDIALLLLTRRGAAFRSQE
SKNIWKAHKQTVTDFAILAEADHMEESLQRAQMYGSNRLVLFKDGEDSGKTLPRLLVGR
IQLFHDSLQRTASFEVPRRMRLSMLQKRQKVI FCKDTNVSELCKSMENIKTADPPFAF
DIYEGVFDGLFALTCHSNKQVRASAI GVVDYAITRFGWLLRVRI PRLLSAIRLQDDGMHG
KFGIPSCSSLKIAIDSQGRKR LAETMKGVC SMLAIPRASKEILSTEFRRDFIFTMCGN
EDLVSLMPAEMQKMHVYLSIFSPIRLGFYCVPRASNSDKKFHEDSLTFLLDVLSTDEK
DVASNEEDGDAKDAHWKLLLACWFLTVMVDSDDLKDSAIATRLWKLCFQILKDEYQGP
LQRVALGLFGRVMIIRKGPSFELLRQEF LKENFCIIFGKALVYDHKEDSSVGGGHGAQW
ATGVADIIRDSARNIAPKSLFPFQRTNQSSGTFKVSHAKLVEEILTGLGETDATTVSRYL
LSFSKDMALSPPESEDQRNQCTSAEIFAGVTRALLQMMDGQTLTDIWMSDLIPFLAESIP
KFPISLSGAYFDSIRFGIQFSPDKFYPLTQWLFEKIEETLWQPKTEKVIADSSSSDSKE
PEDDGKNGASQGTGFTTQSKWLYLCCALLIELDETEL DSTTFRTRWYTNGLTKLDMTRN
TVTSTDES LKKS WKLVSERLLPRLIEALGHYPYESC RDHISGCLFRICYCHRKMSIGTASN
GPSRTNSAIDLSSLDKNDPGSVIVQKLLSLQSTAETS FENRYSSLITARRFFSYCVHYGE
AKYEYS DYMIPLPLAFEALKSTVEEGTEVSEPDTVTKRALEAEVVKGYRRTLAEVSIAS
VISYSGRKGDTDISRVLDTAENAAQHETWQVRHASAHFLRCFQGS HKFLFTKSQADRITK
IVIGLLGDDRREVSSAAMA AVTGI IAA MQSETVTILVDKYISEANR SKLKS KSKKSSKVEG
DQVVKMPDVEEAKAKEQKRAKRQSSVFFLCATVLSQPYDTPPFV PKALAAISKHSFKRN
APLGIRD TVKKCAEYKKT HMSDNWEVHRSVFTQEELEALEDVISSPHYA

>comp15216_c0_seq1; 234 1137 1717 LEN=1717; translated
MKSPYVHCD CPTWMTLILIVPFLLEAASAF LCTDTKFACSHRSADSSSSNIYGNSQLGLG
GSDGGEEYQDAYGRTIQTSNDAEDEDPLANASKSVILDPLVCGPSGVGKGT LIECLRS
RFP SDVFAF SVSHTTRQPRPGEVHGEHYHFTNPEDIQRDIDQGLFVEHAQVHGNYGTSK
QAI EVLQSEISIX

>comp15216_c0_seq2; 533 1137 2339 LEN=2540; translated
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RFP SDVFAF SVSHTTRQPRPGEVHGEHYHFTNPEDIQRDIDQGLFVEHAQVHGNYGTSK
QAI EVLQSEKKITILDIDVQGVISVKESRFPANFIFIAPPSMMELENRLRGRGTETEEAI
QKRL ENAAKEIEYGEADGNFDHVF FNNDVEETVDEMIKVL LVKYPQLK KFQDAASLEAEQ
IKGEQTIDDDKEEESGEQSFDFLAESDKMLYFP SVRAGHDKLEVTDRSSNKRRDQPPQRK
CGPYIVDNEEPDWPHPSSYRDFGKTNPVILDEDIINQED

>comp15217_c0_seq1; 472 230 1459 LEN=3430; translated
MTKKWLSIGKASYIGTLILVFLMYRFLRTASLLSTFSSTSSSATFLAGTAAFMTTGVR
SESNSDCTTTRMNKLP AHPHPSEFP IGLGTMDITPDQVPSSIASALRLGYRRIDCAPVY
FNEDKIGDALAENVLGSMKEGI DNERRKDA IREDLFI VSKLASPFHRKEHVKIGLQKT
LNDLRDYL DLYLIHWPQAFK FVEIDPSIRGYGGEAQYIDDSNNGENIDPGVSVHETWSA
MEELVEEGLVRHIGVSNFPVSLLELMAGNHTILPAVNQVEMHPYLQO SKLLAYCKKRKV
HVQAYSPLGTSGYKEKDEPTLLED PVLQKIAVNHGITVAQVCLAWALQRGTSVVAKSASE
AHQQENFGSSSDGIVLSDDEMVEIEGLERGHRRFRPEEWGDLAMAVFD

>comp15218_c0_seq1; 105 326 1528 LEN=2335; translated
MMEHPAVKNGHRLTPILIVAIA TGI FLAAAMACECD AFVPSVFR TTVVENESSARRVG
RNIADVRTATPKTETRERNEKKS DGGRGVEPANDDR IKNEQNRNDLDPIEKWCLHKL EY
YERSQKQVRC PFFRRRYGDVLDKVEDFVRFFLVRPYFRDSSHRTEVGPRMAYRSSSSSGD
RKTRNLPV GELLA IIRGDWGADR SRRRTVMATDCADEKGYVVTGRLSQR IYRDDCQFLSP
DPDPLRGRKYVGVASQIFHSKSSFSKLISLEQVPASELV LANDDND SQR IIPQGMVLK
ATWKL SATINLPWKPQLSEFTGSTLYFLDHDHLIFRHQETWDITVWDAFLAMVNMNRLE

PPARRAVGPKRNAHLPCLEQAIPSVTKNNSRRRYQQIVP
>comp15219_c0_seq1; 665 157 1740 LEN=1926; translated
MASYAFSRDGEYLRKLSNGKFQNFQFRGNGPFVDATETFYSEFSLAWRFLGFYTD CDVCIE
GAGDEDNGDDANKAEEDGGDENFVSSSGCLENGEDRTVCRRYALWAAYIDQAYEGDGAS
EYQYFDHRTKRWDRSACNSSEGRCAKLDCHNPSSKNFKLIGVFKDPKISDFIDNVIDYQG
DCVWSDDEYKFMKAMTSSYNEKNDENNDYTLNFGSPPTTCTPYQVKGEDGITYSGYYDAI
PISKGNMGIALYTDSECTESYAGKTHSVEDVMARSMGSTSSVIERKLSWNEAMDALKVC
QPCVAYSTLGNSSMQPYNANGDRYSIDNENGGDDGNFVCRDNLERDEPVNQCEVFAEQGR
DSMRVATYRDILLAESQGTVTGIDLSSYSSNRRGKMLGHTFVQPNHIWFSVFFFLLSMG
FFGYALVQLFEKDRSKHRSNSKNMNEPLVGMEITSKKNKKNENIGAGREQKSAEKAQRKAK
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>comp15219_c0_seq2; 232 362 616 LEN=802; translated
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>comp15220_c0_seq2; 729 1 1670 LEN=2548; translated
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>comp15221_c0_seq5; 514 1 2672 LEN=3068; translated
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>comp15221_c0_seq7; 491 1 2788 LEN=3284; translated
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KMAVAVLAVPNPKQLQASTSVGGLPRSQSLNSVASLVTATVEDESSLGRPSRKSSSLGGEDE
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>comp15221_c0_seq14; 515 1 2899 LEN=3101; translated
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KLYRGTNMEVSMPTGSLCAERNVIGTALGKITNTDFRWANFVQINLTSLIFTPSADNP SL
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CTPCEE

>comp15221_c0_seq15; 479 1 2866 LEN=3201; translated
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KLYRGTNMEVSMPTGSLCAERNVIGTALGKITNTDFRWANFVQINLTSLIFTPSADNP SL
RRQDLKMAVAVLAVPNPKQLQASTSVGGLPRSQSLNSVASLVTATVEDESSLGRPSRKSSSL
GGEDEWIVQDHSIFAGQDNAPVFDKKTLSGQSDPEDVQPNATLDSSSQSSTPVRRIFL
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>comp15221_c0_seq16; 584 1 2593 LEN=2989; translated
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SLGITQGEKHGNQORYAELLVHNVSHDLDLVLSDAPRLPSSTTGFMADGNDPYCLCRPRF
SAFDAYSQRLVDFLQGCQRQLEEEAVIHLPRYERNDKTQQPQPSENFRDDIPIGFRLND
DRNDKSHRPLRVSPSELHNLRVGRDASRVDACSSPMSPNSTLNINAVFFPLLATLMPLW
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FPPELVVLIHSDTNI FRYDENIAFVNQELLPRVQEYRDAHAKGLPYPDEI INLSSTAKDS
IDQDRPFSTEWKRSFSITISYADGSPARNSAIQAALRTFKPTYHFWQLKTFWHESKIVN
SDVEVHSFEEIETLPPVESNQLQDGSGLVSRVVEEMKNFRDDFLKILSNSSDSDNDIRAFW
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KMVAVLAVPNPKQLQASTSVGGLPRSQLNSVASLVTATVEDESSLGRPSRKSSSLGGEDE
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>comp15222_c0_seq1; 688 397 3117 LEN=3324; translated
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NESSIFSNSAREKTQPVNETIVKSIKYETKPSCEVPNKKDSAQISMVCIDHSSNGVSQNK
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TLRPYFFSFRMLLLRPFNERTPRENDI IQILKKSFS S YFRDSRRDGKELAKLIVKDWVCL
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QCTNDG

>comp15222_c0_seq2; 688 146 2866 LEN=3091; translated
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TQFSTRDREQLSFLQENFLSSISSDSTR LTLKLNLTQWRTHFYNVCLQIGYSHVQEKAW
NASLQELEKRAAKAEVVRRLRRRKMGLSSQFENPTLTYATKNTMFD MFKVDHKSQPTT
NDLGTNSSISHVSI VSNQKSR TISPGDDEV LNSSLDDARVLT SRQRAFSTDISISSVGL
KNGRNRFTSEDFEQLLDVL SSETADDNVKEKNV SIESNTS ISSAPASNFCSSLLGAI VTY
IEKKNF PFHHVDLWVPSFSSGDTAGH SKSVDVDQLQLYHAGHTSRRD VNADLAHMLNEFG
VFSSYFSFEPGKGLPGRVYSTGVASWECEVHQKDSNSFGRVEGAELYGIKTALAIPLNTP
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NESSIFSNSAREKTQPVNETIVKSIKYETKPSCEVPNKKDSAQISMVCIDHSSNGVSQNK
GLQTINYMQTNP TQKSARTVSYDNMTTEDRDLASFLYDNMPASTAFVPEGPLTSSADER
TLRPYFFSFRMLLLRPFNERTPRENDI IQILKKSFS S YFRDSRRDGKELAKLIVKDWVCL
KATYSLSGVNTTTNDHIKPKGALSPVTPMLPTLTPSQSIGLYKPIPPPTKLESCVSLDFH
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QCTNDG

>comp15222_c0_seq3; 688 397 3117 LEN=3342; translated
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ESALVDFLVSTFDQGLLPLPHGIKLN EFLGDVLLCKSSRLTKMKNAKLSTRTFVLGNPS
TQFSTRDREQLSFLQENFLSSISSDSTR LTLKLNLTQWRTHFYNVCLQIGYSHVQEKAW
NASLQELEKRAAKAEVVRRLRRRKMGLSSQFENPTLTYATKNTMFD MFKVDHKSQPTT
NDLGTNSSISHVSI VSNQKSR TISPGDDEV LNSSLDDARVLT SRQRAFSTDISISSVGL
KNGRNRFTSEDFEQLLDVL SSETADDNVKEKNV SIESNTS ISSAPASNFCSSLLGAI VTY
IEKKNF PFHHVDLWVPSFSSGDTAGH SKSVDVDQLQLYHAGHTSRRD VNADLAHMLNEFG
VFSSYFSFEPGKGLPGRVYSTGVASWECEVHQKDSNSFGRVEGAELYGIKTALAIPLNTP
MVGRIVVLIYSCENVPEDASL CREITAE LTNYSLEPKWKLVLGSNAPTKSSQNRMP IPE
NESSIFSNSAREKTQPVNETIVKSIKYETKPSCEVPNKKDSAQISMVCIDHSSNGVSQNK
GLQTINYMQTNP TQKSARTVSYDNMTTEDRDLASFLYDNMPASTAFVPEGPLTSSADER
TLRPYFFSFRMLLLRPFNERTPRENDI IQILKKSFS S YFRDSRRDGKELAKLIVKDWVCL
KATYSLSGVNTTTNDHIKPKGALSPVTPMLPTLTPSQSIGLYKPIPPPTKLESCVSLDFH
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QCTNDG

>comp15222_c0_seq5; 688 146 2866 LEN=3073; translated
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ESALVDFLVSTFDQGLLPLPHGIKLN EFLGDVLLCKSSRLTKMKNAKLSTRTFVLGNPS
TQFSTRDREQLSFLQENFLSSISSDSTR LTLKLNLTQWRTHFYNVCLQIGYSHVQEKAW
NASLQELEKRAAKAEVVRRLRRRKMGLSSQFENPTLTYATKNTMFD MFKVDHKSQPTT

AASLATASVLKQKTKRVSTTTTSTIAKKFSTPKTTVSKGKALINGKEATTQAIQASKK
PTEKDQEVPLPAPQETLANSISSATNPPITTPERLQFRGLSTVPNRRNGKKKKTLDPVKP
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IHNNMRYNKSSSTMPGFRQRRTDRAIAYQNGVKIAEQHAGIDFRESPVFKSKRGQSSGQ
AMYRASKSVPDSLVQFANEIHNVDRI TPKEEIVLGEKTQEAIRLQGIYDGLVAKLDREPT
DDEWCAAAGKFNMESITQTIIEGLDAKNRLVTSNLRMVQGVVNVYIKNGLQGQYNAGDLM
QEGIVALIRAAEKFDPTKGFRTSTYAMYWIRAAVKRDQLYQSRVIQIPQRLHENSRIEV
CRKELTEALDRPPTVSEISNVLGMTTAQIERCDTAMAQRISSLDQQIVNRNPKPMSTDRGM
ESLHSIIASKTDDDETQKIDLIHLREDLLKALNIHLTQEEASIIITLRFMGDEEYASSKKA
GRTISEVGDITGLKPKDVKRRIILRSLKLRISIGDDFELYNQEFST

>comp15228_c0_seq1; 205 318 911 LEN=2360; translated
MKLHSM LADPNTADTLLAKTMHHL SLKERNVQEEIHGVRCLAPEETPELLKESLENLAL
ALDNDLLPQH IKESYLKSQTFSSSTYVND DSFRLRFLRFNAFDINKAALKMVRFLEMLEF
FFGLTALRRP IRLSDLCNQEMQFMRKGT CQFMPFRDRSGRRILAIMNPHVLNQKIERKDF
ENLTKREKVGLCNELSE

>comp15228_c0_seq4; 258 318 1763 LEN=2151; translated
MKLHSM LADPNTADTLLAKTMHHL SLKERNVQEEIHGVRCLAPEETPELLKESLENLAL
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PWERRLQFSSVRPCAIHLCTPDTHQHRFIRALLLRINKVNRSRIKIHLGDSIELRHSLO
TYGIPSQDIPVFSGTLKSVGIKQWMRLRLALET PVDKNEAGCVSMIVECPSLSDVLFRO
GKSMFNHPGNVMVRNLIQSKHKEQILAEQKEKVKIKRRKIISEITEEIKHTSRFLVWSEN
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A

>comp15228_c0_seq5; 258 318 1763 LEN=2219; translated
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PWERRLQFSSVRPCAIHLCTPDTHQHRFIRALLLRINKVNRSRIKIHLGDSIELRHSLO
TYGIPSQDIPVFSGTLKSVGIKQWMRLRLALET PVDKNEAGCVSMIVECPSLSDVLFRO
GKSMFNHPGNVMVRNLIQSKHKEQILAEQKEKVKIKRRKIISEITEEIKHTSRFLVWSEN
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>comp15228_c0_seq6; 205 318 911 LEN=2292; translated
MKLHSM LADPNTADTLLAKTMHHL SLKERNVQEEIHGVRCLAPEETPELLKESLENLAL
ALDNDLLPQH IKESYLKSQTFSSSTYVND DSFRLRFLRFNAFDINKAALKMVRFLEMLEF
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ENLTKREKVGLCNELSE

>comp15229_c0_seq1; 282 87 1079 LEN=1777; translated
MKSLAEQSNIQLDVYAVSCVPHRSLCMDLDVKGYPTIKL FVGNDGIEEEEATEISHGDLHP
FFVLQAI AEKTGNLDSL SMATLGQDGEIYGNKVSENNGGELEDDSPFWLPRTKRDRVNDI
YLSFHFAMEHGIFVGRDPPNEEARNAFENWII LLNQVLPPTWRLKTLISEIGKNLETVLD
SEDNLMQILDRHPPVNTWSRSCSRDDPAMGYTCGLWQLFH TTTLGVV EWNLAGTEDFSY
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LHNGVNSRLMNERAERDHRTPPTQQELNAVQW

>comp15229_c0_seq2; 409 84 1508 LEN=2206; translated
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VEFYAHWCPCALRPHYNI FAEKMKSLAEQSNIQLDVYAVSCVPHRSLCMDLDVKGYPT
IKL FVGNDGIEEEEATEISHGDLHPFFVLQAI AEKTGNLDSL SMATLGQDGEIYGNKVSEN
NGGELEDDSPFWLPRTKRDRVNDIYLSFHFAMEHGIFVGRDPPNEEARNAFENWII LLNQ
VLPPTWRLKTLISEIGKNLETVLDSEDNLMQILDRHPPVNTWSRSCSRDDPAMGYTCGL
WQLFH TTTLGVV EWNLAGTEDFSYSPMEVGNIFRSYIEHFFGCQVCRVNFLQEYDSCGFS
RCDRLNEELGGLDDWKELSLWLFELHNGVNSRLMNERAERDHRTPPTQQELNAVQW

>comp15229_c0_seq3; 236 84 464 LEN=499; translated
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VEFYAQ

>comp15230_c0_seq1; 1163 145 2856 LEN=3742; translated
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SLLATLMLIGFTYFMRNDDENVAPTFDSREITWNDFCNYLLETGQVEKVVVTNNRTMAK
VFLKRGSYGLPQHQRHFRGTSKNQMFDDSTTQIQREYSSDSTIDNFGGMQNLSDGTANQ
HQIVYRFAIGSVDSFEKKLEEAQKAVGIDPMQEI PVQYTNETTTKSEVLSVLP SLVLMGA
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FVGVGPSRVRDLFKEARENSP C I I F I D E I D A V G R Q R G R G V G G N D E R E N T L N Q M L V E M D G
FDTKSGVVLAGTNRVDILDQALTRPGRFDRQITVDRPDLKGRKEIFKVHLKGITLKDPI
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SDEERAIVAYHEAGHAIAGWFLEHADPLLKVTIIPRSSGALGFAQYLPKEVFLRTQEEIM
DIVCMALAGRAAEEIFFGRVTTGASDDLRRVTDLVYSTIQLYGMNPRLGQLAFPKDDNAM
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>comp15231_c0_seq1; 2112 260 6112 LEN=6378; translated
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RSLASPSIRERRVAFKILALGCPLDDASIRSMIQLVLLIKEGNPSRDTDATCIVGMAL
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GTSNNKDDSDPEDATETATKERSSSATSNDSSNNPTASAAAARNNDNSDDSNNIAAVASP
GGDSLTSALGSPRNGTDRSAITTVARLFSSLYGSNNSVNVGSEADAGNSEQPNEEQELVG
MYSVDHVDVEEADQICETDQMTDDEVQVDPDDGDGNHQPEESKEVTVTSEREPQKKDDKN
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LVPYLTYGKPTLSEELALEFMSHVSDQLEEYEMDGGSNRRNSCKPQTVLMDTFIHASIS
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KVTGKCGTKASIVKPEWMKELENMEDEAGLTCAVCQEGRKYKSSEMMGLYAYVKKVSIA
GDISSLDGTNVLTNLPPKLLASLQSNIVSEWYRSGKAAGDELKESARLSRAPTGSSSRH
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SSSVSLVSVEQALAEHQTAVANLVGVRPKSNLWTVLHDVRLLLLRISYGEALNADCGGGS
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IRGIADSSLMALTSILFHNTKEDDSSCAETSEEAPHRRRWWIGKELFLRGLLNCAGRR
HTLAIHSSGCVSARNVGNKRTSRSF AEWDNINEDADDTQESSPGTSTTICQTSTRKSTC
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KSIHELLEKAKIDL SHEEINEFQRGMISA

>comp15232_c0_seq1; 293 401 1809 LEN=3372; minus strand; translated
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PPGDAVPDAGGIRRGRGSLPLVRTDKGHQDGGPADLGGDGLDGTDDLLGGLVGLV
IAPFGRPQEVALLVLEPVLVPGALDHRPLLVDNVHPVSKESLXGGRCGGGGGACCLF
RWFDFLCAAGPCAIRVGRMASAPRRKGGGSEHXEEEEDEDEEHASEPSGVWFEPRNR
LRKPRRALSFGRAGERIHCR LGVVGMAAVRLGSGVGGIFNFNCTGNVGVLERVITRGVV
EDALEGDAGTLCVSSGGGTRCECSSSSCCCCCGNRFGAVSSRPQSAVATGAGDPTAARR
AARGPNADHQRVVVTESPPSCLPSGVLFCAVPSGVSVLGS GGQAHEPNPTDAVLVVIIV
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>comp15233_c0_seq1; 386 1986 3179 LEN=3808; translated
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HSPFHPDMKPMEDSHAILKPGEWAAPVTFESFVYHVHEIDEDGNMGNVVLQHRAGMIPLG
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VGFRNEAGCPLSVYWANKLVDVPEHGFSCHEKYHFHMGLKDAPQDFMFDWASKTKYEGSI
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>comp15233_c0_seq2; 217 1 1322 LEN=3105; translated
CDDAFHSFKRIDEKVELHTSHCYSVTYSNDFNFYLGITAMTELKRTAVRNRIPLTSSRKA
RFKYGFVIAFLVVGTKSWRGLQSTDMSNYLPNANELKLPKKYVERHPEKSPKKNSSK
ARRKEIRHFPVQDGPIDWSDKIFRRMEWDNDPVVIESHKLLFFFTVPKNACSEFKVLFRRM
MGFKDWKSAGSLSDKTHSPDINGLRYLGSYPRTKQEEFMTSSDWTRAI FVRDPMERLLSA
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VTEELLSFEDFVEYFMAQCRDPHWKAQSNXTESSWKLINFVGYFDNLQEDAHRLLRIR
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>comp15233_c0_seq3; 294 1986 2885 LEN=2963; translated
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HSPFHPDMKPMEDSHAILKPGEWAAPVTFESFVYHVHEIDEDGNMGNVVLQHRAGMIPLG
NTGTFKCGEEYRDVVRGLKRAPLDVAPFAPETVGTVEKPKPKQKEEAGRVTDDGTACNIID
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>comp15233_c0_seq4; 307 1986 3321 LEN=3950; translated
MASNILKAAAAAALAANGGVVQECPEGAPWPKYHEPDVCRRRPIYPVDDDGARRVRYEA
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TGHYSNALYSFNGRIMPRKEFP IQLGALHDPDSXFAVSVFVGM IPLGNTGTFKCGEEYR
DVVRGLKRAPLDVAPFAPETVGTVEKPKPKQKEEAGRVTDDGTACNIIDVGFRNEAGCPLS
VYWANKLVDVPEHGFSCHEKYHFHMGLKDAPQDFMFDWASKTKYEGSI IIGHTFVARLASD
PSVVVDTYTLEPTQI IDCPTTKKQQLMTASSDNVDERELESVEETTDEDELVNI PDNLV
DAEENLMAGAGGSSRAVGDPSPCPSR

>comp15234_c0_seq1; 514 1 1962 LEN=2075; translated
SICPQTNLAQSKQIASLWNRCGWRIERSAQNGKFLSPTRKVCKLGLLRTASLCIGMAGEP
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ILFWSAGSLEVI AFGTGTPLGTRNSGVLAGIFREGGTAIGRTGLQGRILREAPRARRAPL
SLAMATDHSGTDHSGTHDDNDNDAPVILLVGSCLDRLLTVASYP SADAKVRTIAYNEE
GGNSANTASAIKLVASKLFC SAGQQMRVEFLSKVGDDAVGQQLADELNASNVGTSTDL
FRRGEKGSTTAFTTVVSESEQTRTCIHTLGTGCELSMADDVESLSPDDVDRI FRNVVHL
HSDSRHTNVSLWMAREAKRRGGITVSCDCEKDRKTKALDELIEVCDVLF TNSNHLGEYLQ
RLTLEREAATGRQPLSEPTIAIRTEEAKGTD FSSPELPETRKLIETCVGSLAPSSYFARW
QQPQNAIGKEVVVTHGAMGALHYKLI ELSNNTSNGSDNKPHTNIEIEMAGTKILRIRHSF
DDGREGATALYETHQVGV LNDPKIVDTTGAGDAFIGGYILASKALGVDREDTNGVGVQIA
LEIGSFVGRKLGPGARSALPTEADIDRLGSSAAEAKASLRN ILGSFNNIHQ

>comp15234_c0_seq2; 488 1 2131 LEN=2244; translated
SICPQTNLAQSKQIASLWNRCGWRIERSAQNGKFLSPTRKVCKLGLLRTASLCIGMAGEP
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ILFWSAGSLEVI AFGTGTPLGTRNSGVLAGIFREGGTAIGRTGLQGRILREAPRARRAPL
SLAMATDHSGTDHSGTHDDNDNDAPVILLVGSCLDRLLTVASYP SADAKVRTIAYNEE
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PPLARS AIGKLVASKLFC SAGQQMRVEFLSKVGDDAVGQQLADELNASNVGTSTDLFRRG
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RHTNVSLWMAREAKRRGGITVSCDCEKDRKTKALDELIEVCDVLF TNSNHLGEYLQRLTL
EREAATGRQPLSEPTIAIRTEEAKGTD FSSPELPETRKLIETCVGSLAPSSYFARWQQPQ
NAIGKEVVVTHGAMGALHYKLI ELSNNTSNGSDNKPHTNIEIEMAGTKILRIRHSFDDGR
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SFVGRKLGPGARSALPTEADIDRLGSSAAEAKASLRN ILGSFNNIHQ

>comp15234_c0_seq3; 940 1 2570 LEN=2683; translated
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VPPTPAPVVPPTPAPVVPPTPAPVVPATPPPTDAPTAPPTAQPTVAPVAPTEAPVAGPSI
VLQAVEPVALFGGNEFNDPSSFQARALARTAIEVPGIETQTPAKIIQYYALYCIFFATNSV
ANIITESEGILDVPGWIVPSGWDSTTADPCSGWFGVSCNGNGQVTTLLDLFSNLLTGEFPA
EVTLLASD GARSTGAGALERIDLFDNMLLTNGGDNSWWSQLGSAFAFLFFKNTAFSGPLG
RLPDNIREFDCSFSFISGGLSQQNFQGLNSLVFANFDGNAYNSTVPSAFSSMPNLQFLYI
VDGFISGDL SYMIGMPSLREHWADTNPGLGGNLPAGLASVSTLESFSITSCSFSGTIPPE
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>comp15235_c1_seq4; 644 1 1546 LEN=1839; translated
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VPPTPAPVVPPTPAPVVPPTPAPVVPPTPAPVVPATPPPPTDAPTAPPTAQPTVAPVAPTE
APVAGPSI VLQAVEPVALFGGNEFNDPSSFQARALARTAIEVPGIETQTPAKIIQYYALYCI
IFFATNSV ANIITESEGILDVPGWIVPSGWDSTTADPCSGWFGVSCNGNGQVTTLLDLFSN
LLTGEFPAEVTLLASD GARSTGAGALERIDLFDNMLLTNGGDNSWWSQLGSAFAFLFFKN
TAFSGPLGRLPDNIREFDCSFSFISGGLSQQNFQGLNSLVFANFDGNAYNSTVPSAFSSM
PNLQFLYI VDGFISGDL SYMIGMPSLREHWADTNPGLGGNLPAGLASVSTLESFSITSCS
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>comp15236_c0_seq1; 592 1 1477 LEN=1684; translated
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AAPT PANGEPTRNPTKSPTS IPTNNPTNNPTDLPSTLPSAMP SDTPSKTSVTNVAVEDGT
TAEQVEQAVSSVYNQKLTNIRKLGAVIILADGVDLVVKAFPPQECNFEAQT SLEGGICFEV
FSTVTAPVASGVSPSAATASVENDVLTGDFAAQLEAQLGAFVALPPSEEPSSEPSAPP
SVSPKPSSEPTLASSFEPTS NPTGSEVNCENDDSFRLDGRKKRDC KWVAAKKTQRRCNKK
DRITKLRVKEFCPLVCKEECQQPCGRDSATFRLNGDPSKDCVWVSSKPWKRC DKKDAETK
AKAEFFCPSACDLRCSCKNSKDEFQLKTGGNTKKCKSIKRSKCTDVAIGKNGEEKTIAEF
CPKKCSACIEQ

>comp15236_c0_seq2; 234 1 325 LEN=325; translated
LAPKLAPKLATTISRAIATS NVAASIASNLAASVASHSATNAATDTASDHAGNIASNIAS
NFVSHIAAIALHVATSTASRAATNAASNTARNITPKRAPNLATNASTNX

>comp15237_c0_seq1; 608 227 2508 LEN=2738; translated
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PEDYQEI TKFYHVYNSLEHLEDEENYYWNEIDYEGRGDVKKQEMFDVLKADATRDADGNL
VVEVDDETFAMFDDAEPYNESAKKKVHEKPKQHQQMQFNGPPEFIMDTLGVKGFEPNP
KEYDACTPLVLKGMTMNDFV LAMAEHPTKYGQLRYASPHPESTREPVPDLPVRRRNPPLE
FVEGHTRFIYVWGI PPLLSVNEQPGDLNPLHALELQKTAAALFDVPPEAVYPASISSAF
VGFPSRKDQRF AIEFGPVQKVIESPVMLSKYIPADGDKKSFDAEMDKLVI LENLPSGLT
PSVLASTLFP SGTDTGDILYGG LTPDDFVMLTPHSAVLRFE SPEHAENATKSTIVEERLK
TFGQHRIRYSKARREL VYTGKHTGPAGTDLERDLGPRLIVDGMPTKNFYLSHATCVHLR
NLDP SVSKQELSEFFQPF CAMSRDVEGSI EFVTCHEGLPTGRA FVGFDEHGEADSAMEAC
ESNGRVRGLGHNGVVMKKVRDSRNI ERHNR SARDEDQLLDSLDNWEQYVDPSDLDELLAN
GINKDALDEAFRAIRYQNP TFS SLDQAIRSETVNPEHESGGMYKELVQTYIATLKECIST
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>comp15238_c0_seq1; 200 255 1373 LEN=2569; translated
MSSNSNRDSGYPSGDKKGAEDDYENRIKAAADPLPHAGGAGAGTAVAVAPGATRGP GPPQ
GTGAAATAIGD TIRLRLEIVGAEAAAGV FQAPEAAPRHAEDATTGDRGRDDYDRRGPP
GGGYDRGPPDDYHRGGGGRRYDNRGDY GPRGGRGNRPPPHHDNHYHHDNHHGPRGDPYGP
PRGRGPPPYHNQNRGGGGGRRDRNRDEGIPGISLLVRNIGPQITSHDLGLAFGRIGDV
RDVYIPRDYHSQQSKGFAFIEYADPEQAREARDEMDFRIKGCELEVVF AQERRKSPNEM
RGRVVNQNHGGGGRNRDRSSS FERHQRRRRDSNNNKDRNNNDNGEKKMDSSENDGEEK
KEQSPVANDGEE

>comp15238_c0_seq2; 200 255 1373 LEN=2595; translated
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GTGAAATAIGD TIRLRLEIVGAEAAAGV FQAPEAAPRHAEDATTGDRGRDDYDRRGPP
GGGYDRGPPDDYHRGGGGRRYDNRGDY GPRGGRGNRPPPHHDNHYHHDNHHGPRGDPYGP
PRGRGPPPYHNQNRGGGGGRRDRNRDEGIPGISLLVRNIGPQITSHDLGLAFGRIGDV
RDVYIPRDYHSQQSKGFAFIEYADPEQAREARDEMDFRIKGCELEVVF AQERRKSPNEM
RGRVVNQNHGGGGRNRDRSSS FERHQRRRRDSNNNKDRNNNDNGEKKMDSSENDGEEK

KEQSPVANDGEE

>comp15239_c0_seq1; 583 123 2180 LEN=2625; translated
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HYMDYIRADPGRCIFQQYLDSNDDAFYDSNSDLDDYTYTDDGNRYGCGDDDFLTKNRSDY
GYGYGIDDDLFGRHRSLRRQNDQSGRALSAFRGQQRLQEPFRNGGQRATEDTGPEGYGEA
LFVGGQLDGFILDMPLVPSQWKPSRPVWVAYEFETGQAGFYFLMYQVCYDIEEGLYGPEHVA
GNSQYDIHSRFELEDFDFSNRDMFGRISYLSRGMILPWLFFLFSIMYALCLYLWHANIKA
INDGKQGYFDTGEEPTTEAPARSGIPGTPDAPTIYPIHYLMGFLLALKFCSLLFESLRYH
YLRVTGHAVFFSAVYYTDFDLKGITLFTTVVLLIGSGWSFVKPFLSDREKKMIFGILVLQV
INNIAIVVLTQETEGETSFDTWTAILHLVDILCCAVLIPIVWQVNQLEKNMDQNNHKGK
DDFDENGGSEEASFLNSNGDDHIPEDELDVPMEEASSGETERIPDARLASKLKLFRSFYL
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RGQSDKGAQVEMKKIDTSTKVALD

>comp15239_c0_seq2; 266 159 881 LEN=1326; translated
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DELDDVPMEEASSGETERIPDARLASKLKLFRSFYLLVIGYIYTTRIVVYLF SATLNYKHT
WVSVFVVESATIAFYCAVGYIFRPMNEDPTLPHRRRGQSDKGAQVEMKKIDTSTKVALD

>comp15239_c0_seq3; 253 1 1084 LEN=1529; translated
XCMCVISSTKILPWLFFLFSIMYVLCYLWHANIKAINDGKQGYFDTGEEPTTEAPARSG
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TLFTTVVLLIGSGWSFVKPFLSDREKKMIFGILVLQVINNIAIVVLTQETEGETSFDTWTAI
LHLVDILCCAVLIPIVWQVNQLEKNMDQNNHKGKDDFDENGGSEEASFLNSNGDDHIPE
EDELDDVPMEEASSGETERIPDARLASKLKLFRSFYLLVIGYIYTTRIVVYLF SATLNYKH
TWVSVFVVESATIAFYCAVGYIFRPMNEDPTLPHRRRGQSDKGAQVEMKKIDTSTKVAL
D

>comp15239_c0_seq4; 583 226 2283 LEN=2728; translated
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HYMDYIRADPGRCIFQQYLDSNDDAFYDSNSDLDDYTYTDDGNRYGCGDDDFLTKNRSDY
GYGYGIDDDLFGRHRSLRRQNDQSGRALSAFRGQQRLQEPFRNGGQRATEDTGPEGYGEA
LFVGGQLDGFILDMPLVPSQWKPSRPVWVAYEFETGQAGFYFLMYQVCYDIEEGLYGPEHVA
GNSQYDIHSRFELEDFDFSNRDMFGRISYLSRGMILPWLFFLFSIMYALCLYLWHANIKA
INDGKQGYFDTGEEPTTEAPARSGIPGTPDAPTIYPIHYLMGFLLALKFCSLLFESLRYH
YLRVTGHAVFFSAVYYTDFDLKGITLFTTVVLLIGSGWSFVKPFLSDREKKMIFGILVLQV
INNIAIVVLTQETEGETSFDTWTAILHLVDILCCAVLIPIVWQVNQLEKNMDQNNHKGK
DDFDENGGSEEASFLNSNGDDHIPEDELDVPMEEASSGETERIPDARLASKLKLFRSFYL
LVIGYIYTTRIVVYLF SATLNYKHTWVSVFVVESATIAFYCAVGYIFRPMNEDPTLPHRR
RGQSDKGAQVEMKKIDTSTKVALD

>comp15240_c0_seq1; 580 57 1802 LEN=1884; translated
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EEFRLMFLRHEFFDPKKAARLVAFLELVQEYFGDFGLEREICLSDLSENDRKFLDAGYL
QVLPGRDRSGRRIFGHFSGDVVKDLDFPARPNENFIDSRKVAIYMSLRIAKDDVDVQRS
GVVMI FWMHEIRIDDLKVR SFVHKRVVRAILIRVNALHCYIPPSGNTQLLNMVKAMFLLA
IGSELRSRVRIHVGSAATECCYSMQTFGIQSSQLPINTRKSERQDANHRKWLEQQSIREEY
IKNKKEFKGIECPRHSDILFGRGWP IRKHAGNTLFRYVLEQRREEYNNAKRNRGRKTMVA
ASVVRELKESHGSRFLRQDNKCGGFWFVSDSAREKVSVGFDRMRKPKDKGVKGESGNV
SDTETTSSKRKCDDEGSIMSSSQSPLPMEEDALVNGPDLNSQQSNDYDQDINKHYAFIST
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>comp15240_c0_seq2; 465 57 1982 LEN=2064; translated
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QVLPGRDRSGRRIFGHFSGDVVKDLDFPARPNENFMTHEYVLRVFTDDRCQIDAGMVRSM
KWSLHRTKAIIVILTQSVFCAILFLATLHTVINVVQKIKVAIYMSLRIAKDDVDVQRS
GVVMI FWMHEIRIDDLKVR SFVHKRVVRAILIRVNALHCYIPPSGNTQLLNMVKAMFLLA
IGSELRSRVRIHVGSAATECCYSMQTFGIQSSQLPINTRKSERQDANHRKWLEQQSIREEYI
KNKKEFKGIECPRHSDILFGRGWP IRKHAGNTLFRYVLEQRREEYNNAKRNRGRKTMVA

SVVRELKESHGSRFLRQDNKCGGFVFEVSDDESAREKVSVGFDRMRKPKDKGVKGESGNVS
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>comp15240_c1_seq1; 798 333 2504 LEN=3013; translated
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FTEGSGDTSSVLQDRFEQLETMQAQKQIRDNWKEGYWGVWGCSLDPYDFHTSTSSGEE
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TDNDATRSVENRSIYTSFENKLVVSKATSDGGMVVGTALQQSSDDETFGDDNTADSNANG
HTNSPFELIAQIQATATVETKTTSTTSDAAAIVDMLSLPNARMLWTIAKGTPNHIQGWNLA
PSGDDDEPGVLLPQESLLQADIDRVHDSPIVGMKVVVNTTGDITNRGRNTEWIASVAVSGQ
VFLWESTRGAARVRLDANLLHGTQGEEINSGNPVLSPSSSMVSSMDVDDQYLYLGTND
GRIVIFGLEDFLQKSHDNTEETASPPAAASLPLLQSFVGFANGDPGVSSLLAAGSGTLGG
VNKSNSNYSSMRPPTKSLIAGSVMGELKQWDLIPAGTGRLEYWPRMTSQKLPGGKPHVYE
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>comp15241_c0_seq1; 866 1 2410 LEN=2522; translated
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GVLRVEDVSAEQDLSAKNDGDRNFNEDYDDNESTTNDPANLYQNNTENNNADQSVEVTK
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FSSANLAAAAASAAAPTAGRKNISKYASKARQASARPVPTPHPSQMPFHSMMLSQSESE
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DQNRHSSISASVPSLLTKNTKRTVEDREHPVGFETPLGRDPSFTKSFYPYDEAHGFSAG
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NSMSIGMDGRVYNPQSSDKNSIPNRSPTTRGPQLAPAPLSSYAESFIGSQKNELSELSIV
SEDEDDPEGGSPTNSRLGISPYRISYDEVYRKGSVQNEANLSERTATTPSRRAEQDY
RYSVGYGHDKSKSPSSSSRLANLRANDAIIDNSSSIVNLNMDAAVPTGTSSDSNKNDWA
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>comp15241_c0_seq2; 1117 277 3123 LEN=3235; translated
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VFLENYIQNEYKKLIDGNRNGDDGETGSITNSNLETLLKGEVDLTLQLLESRWQDRKR
RQLDSNSATLSRGLSRKQRDMQEEIQSSDTKIITISVSGSVNYSMEVDGSIPTPDEVEK
EWIEAYHDI IAQNQLQGAFDQAQIAGVLRVEDVSAEQDLSAKNDGDRNFNEDYDDNEST
TNDPANLYQNNTENNNADQSVEVTKNDSKQSSRKDELERPSTLSIVFGFILTGI AVLGLF
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SRPVPTPHPSQMPFHSMMLSQSESEETS YRGLESSVGSEDITDSFANELKLAASRDQAW
DEFQRRKESHEKIEINRYHSTNRKADQNRHSSISASVPSLLTKNTKRTVEDREHPVGFET
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FVKLKDIEKDLAVSGGQATVIPKNRSSETKNADDNSDILSEVSELSKYVRRYERRKDRK
NKREEF LHERLSAAERAPRQNSMAANSMSIGMDGRVYNPQSSDKNSIPNRSPTTRGPQLAP
APLSSYAESFIGSQKNELSELSIVSEDEDDPEGGSPTNSRLGISPYRISYDEVYRKG
SVQNEANLSERTATTPSRRAEQDYRYSVGYGHDKSKSPSSSSRLANLRANDAIIDNSS
SIVNLNMDAAVPTGTSSDSNKNDWAGANKGGGVARLNLQRSNKDKNTAAVVAATPQQK
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>comp15242_c0_seq1; 716 257 2428 LEN=2789; translated
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EFLKKTLLGVYELGLPFVITARVTIPIFAKKTQORYMTVDQRTSLAASEAFMVPFFFTIFT
FVEEIVMIRVNYAVSENDKALTDRLVHAGLAGVIVTGTIGGIVGTALGLLPGALEALTIP
GAENDVAVYPGCNFLEAVDVSMILPYWLLSWELIGKQIGGVLSGFLFGALEFNLLGWIG
LVGEILYCFIWFGNIAATYGNPVTLGLIAEFVLDWTTPIILLTLFLVTPIGSQIREQTGVEL
SITKVCSYFLRPLAAFRKPALEQSDEKDGSDDINGDKDNAASSNGDGNDSDDDDDDQRE
TMSLLIEGLKIMFMDIVIQCMTCSIYALATTDGAIAYQITALQSELPAYGAIYAMGMAI
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SAECLPYFENVFPGNGEGGIYTLFFTYAFPIAASIDAILLVMRATLLTLLDFDYMFYST

IAASISYVPAILVVTLASLSVQNAIGMFSAYYVPQMMLVFCFSARLVFVTRKLEAGETG
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CSA

>comp15242_c0_seq2; 2266 1 5533 LEN=5919; translated
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TSDRGNFVGEDGAGGVSQAQMNEASEIFGTDYLN YIAEEDDRDDDDDDDLFGKNRYKERG
VGVDMGIDSEDDMSSDDDDMFGEDEDDDEMSGQQREALK LKREKRALARKERRKQALAKKI
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VMWIMQRIPEIRAEYRAPHYENMEELEQRESSILQSI AHALRFMHRDKMEPAFIKRYRKDI
ITSPA VRNNLYRIMDEDAEWDELLQARAKVSDLLDSVTEKARKVEATGAI SVEINKLDEE
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SLTKHLDTVQTLMESLSEKVTTELQTKKESAETEDAESA VKDDSELANRVQKKT CRDMLWN
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FYRTC VSEGH RDIAYRFL LAPKR VGIK LQDTVETGQFNFSKAMPGETDGEPMKWVPTIT
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>comp15244_c1_seq1; 191 1 1038 LEN=1158; translated
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>comp15245_c0_seq2; 882 118 3960 LEN=4238; translated
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>comp15245_c0_seq3; 608 118 2301 LEN=2346; translated
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GVLAKHADHLGRPTRCLACFYEPPTDSEHAKANAVMTQCQIYCLQFTLVRPLTSIYSVF
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SVSPIEGGMDVPFPTFATGDGYPPVSAPTETPLTNYGTFEPTGFASLLADPGSVNYTAPS
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FAVAMVVNVSIFFAFSGLLKYHAVQKDLEWCRPFPKFLTIKAVVFLTFWQGLVITLWL
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DFVSDVGQIVNNRSKRTRIKLGKRRSRRKKYEGLDVQGDNVYSNGVDVFRDDAIGSSSFE
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>comp15246_c0_seq2; 174 271 734 LEN=734; translated
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>comp15246_c0_seq3; 279 335 917 LEN=917; translated
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>comp15246_c0_seq4; 598 149 1889 LEN=1889; translated
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>comp15247_c0_seq1; 634 258 2633 LEN=2705; translated
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>comp15261_c0_seq2; 490 339 2900 LEN=3117; translated
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>comp15263_c0_seq1; 396 1 1103 LEN=1103; translated
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PATEGANX

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>comp15263_c0_seq3; 356 1 1016 LEN=1016; translated
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>comp15269_c0_seq1; 96 1 165 LEN=885; translated

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>comp15269_c0_seq2; 289 26 1093 LEN=1813; translated

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>comp15273_c0_seq1; 972 316 3930 LEN=4270; translated
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GIYEWHHNDTCVKWTLGYQTNI VIEDVDTAIQNGNVS AIALWHFFDFKVDDQYENETHCD
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>comp15273_c0_seq2; 1070 316 3763 LEN=4103; translated
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GRGFLEGD

>comp15274_c0_seq1; 262 568 1566 LEN=2546; translated
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>comp15274_c0_seq2; 262 568 1566 LEN=2534; translated
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>comp15275_c0_seq1; 193 254 879 LEN=879; translated
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>comp15275_c0_seq2; 511 2237 3317 LEN=3317; translated
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>comp15275_c0_seq3; 511 2140 3220 LEN=3220; translated
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GGLFQAHNWVIFQSWDHNWAREIMLPPHAPEGSMLRLEVYSSTEVIIVSYHDHNYDGNNID
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>comp15275_c0_seq4; 322 1 854 LEN=1257; translated
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FSQKCYEENVRNNGMAFDTITISCNLLTPVAYLEICVADDSGFVNLEDRAVIPKCCHSQ
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>comp15275_c0_seq5; 193 157 782 LEN=782; translated
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>comp15275_c0_seq6; 231 302 997 LEN=1328; translated
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>comp15275_c0_seq7; 402 1 1149 LEN=1149; translated
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PIVTSVEGEGHPDGLEKLYPEVLGGLFQAHNWVIFQSWDHNWAREIMLPPHAPEGSMLRL
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FX

>comp15276_c0_seq1; 230 56 616 LEN=704; translated

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FFFILS

>comp15276_c0_seq2; 798 1532 3841 LEN=3925; translated
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GVRHSFSTSGMLRMMW SGILFVVL RGSKLLSSRTLVS LVLVLYFTGKCDPIVDGNTCIVVNG
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YESFDRRTGSYSSITTTVAVAAASVTIVVASIFFYGF LRRGASDNPSVRHRKNRSLRKSS
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TILPGSNEDVFCDLDDL SSEGSD ESMLESSLLDMEMSL EESDECSLQASVSDTSV VSMVP
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NDDSSSEVCDVQLNLENKSR SLEDASFAFSSGDT PQDILSSLQRHEWFESDMKVTDTPAQ
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>comp15276_c0_seq4; 827 1532 3739 LEN=3823; translated
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GVRHSFSTSGKCDPIVDGNTCIVVNGETAVFLDTSSDANFVRNRAHIGILHGLGDS SFLD
GF SNSVVSAA LI SEGHASLVETS DSHYESFDRRTGSYSSITTTVAVAAASVTIVVASIFF
YGF LRRGASDNPSVRHRKNRSLRKSSPRTIVSGSHLSVP IRRHFVRLEDMTASPTSFITN
TNASPQSSPNKCVPEYIEEEYDHDDCDESDYPNVNWSVSDITCDSVSLRSSVSRTPSTL
ERIEEEIEDEKTLVDSDRDDNSCNF SYSEDSTMITNSSSKAGEMDPKNRSGDGNM SHN
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EMSL EESDECSLQASVSDTSV VSMVPLSDLIQRDLVEDSVDDL SMEHANSQDIMYKYSY
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NTEVDAMSVTSR SKSMNAEDDFPTV NDDSSSEVCDVQLNLENKSR SLEDASFAFSSGDT
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>comp15276_c0_seq5; 798 1497 3806 LEN=3890; translated
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GVRHSFSTSGMLRMMW SGILFVVL RGSKLLSSRTLVS LVLVLYFTGKCDPIVDGNTCIVVNG
ETAVFLDTSSDANFVRNRAHIGILHGLGDS SFLDGF SNSVVSAA LI SEGHASLVETS DSH
YESFDRRTGSYSSITTTVAVAAASVTIVVASIFFYGF LRRGASDNPSVRHRKNRSLRKSS
PRTIVSGSHLSVP IRRHFVRLEDMTASPTSFITNTNASPQSSPNKCVPEYIEEEYDHDD
CDESDYPNVNWSVSDITCDSVSLRSSVSRTPSTLERIEEEIEDEKTLVDSDRDDNSCNF
SYSEDSTMITNSSSKAGEMDPKNRSGDGNM SHNNTNVAEFDCASERRDRLLDLSDL DACF
TILPGSNEDVFCDLDDL SSEGSD ESMLESSLLDMEMSL EESDECSLQASVSDTSV VSMVP
LSDLIQRDLVEDSVDDL SMEHANSQDIMYKYSYNNPKHSVCRNLTPLSSISVDDSLVSTI
LEMQVFSEQEVYESSSPVKCVNGNLAVSDSKVKGNTEVDAMSVTSR SKSMNAEDDFPTV
NDDSSSEVCDVQLNLENKSR SLEDASFAFSSGDT PQDILSSLQRHEWFESDMKVTDTPAQ
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>comp15276_c0_seq6; 827 1497 3704 LEN=3788; translated
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GVRHSFSTSGKCDPIVDGNTCIVVNGETAVFLDTSSDANFVRNRAHIGILHGLGDS SFLD
GF SNSVVSAA LI SEGHASLVETS DSHYESFDRRTGSYSSITTTVAVAAASVTIVVASIFF
YGF LRRGASDNPSVRHRKNRSLRKSSPRTIVSGSHLSVP IRRHFVRLEDMTASPTSFITN
TNASPQSSPNKCVPEYIEEEYDHDDCDESDYPNVNWSVSDITCDSVSLRSSVSRTPSTL
ERIEEEIEDEKTLVDSDRDDNSCNF SYSEDSTMITNSSSKAGEMDPKNRSGDGNM SHN
TNVAEFDCASERRDRLLDLSDL DACFTILPGSNEDVFCDLDDL SSEGSD ESMLESSLLDM
EMSL EESDECSLQASVSDTSV VSMVPLSDLIQRDLVEDSVDDL SMEHANSQDIMYKYSY
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NTEVDAMSVTSR SKSMNAEDDFPTV NDDSSSEVCDVQLNLENKSR SLEDASFAFSSGDT
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AGTSKYL SHGADGKPACSCPICNSSCDALFLRGNRHKAAAGKAREKKEAAAAPAAAAANM
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GAAAVARPCPSVPAAMPPPPAPVSTVSKDPTALDDLPALHPISILDSNSDSSGFLSSY
YSTGKIQQDIKPVVVKSEFKLPGPLPKHHNGSAVAATPSFARKIWKESVKQSRGNNTPTST
EAALDLLSVQLTAGDTSTEAMALKKQAQDMENICPNALVKFAKRQLFPNGGKDAVAALNP
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>comp15277_c0_seq10; 466 93 1727 LEN=1727; translated
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FRIEKMAETNAGAVDDIVWNPEPGPPTGIKNAMVVRVTD SAGA QPTADSDKLNDFEDT
NCLRSQYAAACSKNQLDIRPAAVGNNGGVVELTIGIPAVGSDTTQLESAVSNAAAEGQLNEW
STAHLVLCYPKGSACSEDGDEWLAAYTNTAYSYYNEDYCSSVSAQVHEVGHNNLDH
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FNGVDQYQTDGSSTKLITLKLQPGNDYFIFYNEAAGANIDTPEAINMVTVIEKREEAAP
VGKKEQSWRRAALTPGNVYGITNFRGTTSGVYVKFVSLDGT DATVEIITSTAPVLSCEGI
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QFEIR

>comp15277_c0_seq11; 355 1 1216 LEN=1557; translated
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FVWIYPDATNDEIATYIFNMGGPIYSNAVISRRLNKMELTRKSASKEAYQAFTPESMWS
KIFWTKSPPLGVVGPVRRRFIDVDFGMDMTKTSKGEKGIALKCFRARI PGAYQRTQKLT
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DKERIFLWDNLGSHLSTLVGLKVAIRPDPKPTLLRSIPRPPYQPKYGPVEFKICDLVSAV
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>comp15277_c0_seq12; 1121 228 2534 LEN=2874; translated
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AMFLRGNRHKAAAGEAREKKEAAAAPAAAAANASSLPQLFTQYVGNLQNGVIDAAAQANT
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PVSTVSKDPTALDDLPALHPISILDSNSDSSGFLSSYYSTGKIQQDIKPVVVKSEFKLPG
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KKQAQDMENICPNALVKFAKRQLFPNGGKDAVAALNP PVNKRLSAAASTGFKRPAARHGL
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>comp15278_c0_seq1; 660 124 1761 LEN=3990; minus strand; translated
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EAGTRSHCWLVKVRDYVAGFSDTIDVVP IGAWWGTGRKAQKSFLSPVLLAVYDDEEEVFR
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GSCGKGIIDDLQD TDGSIMAE GGEQKDRNRVHCFPDRPSSAFVITNESPPIWFKPMEV
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SKIKK

>comp15278_c0_seq2; 660 124 1761 LEN=3856; minus strand; translated
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MFVETTNFTFVSSQNLMSYDENVITSYLSEAIAGGA EGLMVKLLGEKPI SATNEGIKSFY
EAGTRSHCWLVKVRDYVAGFSDTIDVVP IGAWWGTGRKAQKSFLSPVLLAVYDDEEEVFR

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>comp15279_c0_seq1; 1002 151 2579 LEN=2727; translated
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>comp15280_c0_seq1; 892 45 2447 LEN=3752; translated
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>comp15286_c0_seq6; 539 2896 5826 LEN=6123; translated
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>comp15286_c0_seq9; 539 2402 5332 LEN=5629; translated
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>comp15286_c0_seq18; 539 2893 5823 LEN=6120; translated

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>comp15286_c0_seq19; 539 2105 5035 LEN=5332; translated

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>comp15286_c0_seq20; 539 2596 5526 LEN=5823; translated

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SATMDGADTVVPNDSSNSGKRKARALRFSPWRNSPLKLRALFRGQKVPMLRDETRLLF
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>comp15286_c0_seq22; 539 2909 5839 LEN=6136; translated
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SATMDGADTVVPNDSSNSGKRKARALRFSPWRNSPLKLRALFRGQKVPMLRDETRLLF
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>comp15286_c0_seq23; 167 2037 2566 LEN=2566; minus strand; translated
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>comp15286_c0_seq26; 167 2053 2582 LEN=2582; minus strand; translated
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>comp15287_c1_seq1; 324 1 2196 LEN=2268; translated
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VDKELLSGSAS

>comp15287_c1_seq2; 340 1 2011 LEN=2083; translated
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>comp15288_c0_seq1; 165 260 478 LEN=830; translated
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>comp15288_c0_seq2; 361 64 1914 LEN=2266; translated
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>comp15289_c0_seq1; 565 105 1661 LEN=4343; translated
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>comp15289_c0_seq2; 564 105 1852 LEN=4534; translated
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WVHQIEALQLVRYVPGQFFGIHHD LGNLLADDSVELPRKDWACKRRLVTIFCYLNTLKE
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>comp15290_c0_seq1; 587 717 3047 LEN=3745; translated
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ASAEPILNPLPAVPNPLLTSENEMVQNEEQLASPSVQLQSSMVFSTDRPTAASVPNPIIV
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>comp15291_c0_seq1; 793 350 2761 LEN=2966; translated
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LEFPLTGQSI SNGLGTYLLAGSPKRKPSGRSEI IMGYKCNEQMSLCDVSTPVVIKLSH
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VAAKGLQTLHSAKVVYD LKAENLIFMEPQDQLEPPAIATIKGIDLESCIPIRGNPLDY
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>comp15292_c0_seq1; 516 84 1790 LEN=2147; translated
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>comp15293_c0_seq1; 598 2346 4058 LEN=4133; translated
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NKIQPSTKLTIDGRISTKGQTPMYTFKDGRKVKRIIRKVRVVRQAPSPIQTTPSSVTITT
CNKTI SATNPKQLSLSSDEKASAHSRIRISNETNLKNRNISP PKKEENKTNNGADDEVEP
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FKKDLLSDIRSG LKLNVERASEKLSSPSENILASMQSGMKRCHATEKVT PDKTPGFVSN
TGGDVQTC KSVHSIQATINPARGLLADIRAGKDLK KVEKDETESTVASKQVECDVTTPLNF
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>comp15293_c0_seq2; 598 2317 4029 LEN=4104; translated
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CNKTI SATNPKQLSLSSDEKASAHSRIRISNETNLKNRNISP PKKEENKTNNGADDEVEP
TDTFTSPAHESTGFKFQSEPKYGYIAKQNEKHTAKTSNSIPQVQ GAKNNGAKHLVTKGSH
FKKDLLSDIRSG LKLNVERASEKLSSPSENILASMQSGMKRCHATEKVT PDKTPGFVSN
TGGDVQTC KSVHSIQATINPARGLLADIRAGKDLK KVEKDETESTVASKQVECDVTTPLNF
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>comp15294_c0_seq1; 675 277 2031 LEN=2298; translated
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>comp15295_c0_seq1; 525 159 2249 LEN=2249; translated
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QDRQRMERRGGIGHQPAGTLRNGNRWESRSLHHAARNPSKADPGCWETPFRGLMCSGVI
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>comp15296_c0_seq2; 411 171 1121 LEN=2671; minus strand; translated
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>comp15296_c0_seq3; 411 255 1205 LEN=2755; minus strand; translated
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>comp15297_c0_seq1; 730 211 3159 LEN=5542; translated
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LKDQQQNQSKKAEDTIVKKNKNTNIKAHTILEKDCEHNFQMR AQLGNGEVASNSSTNLE
QCQQENNKLS E EYLATSLAKDLKAVNEIGALLPKVYSGCSP TVAGTSVSSTNWEDGFVVG
IRCISQVATSANKELNDLVAVDNQLETTKAEQE EFLCSTVVS NKSTNQDQPSVTHHASVP
VMHQSNVAVASENDS CVGALS NKEGECVEKVHTTGPPSSNDT ISSKSSASD NSGFFSLKS
NRSYTV DQAILRKKMLFKRADHSSPSIYRKHRSFEETTNRTESAITIQAWRVNRAELQ
LASSMIHSWDSNIQFEC DSSNL RNYFIHKQQALEQAVRAAKCWWILEGLVIKDNWITIVW
ENEVHVGGDIRVKINLTCGAKSLLFASRHWDSMKLALLLVKASLKKEIRKEYSARLVAE
RCQQSNEKTDRSATVLRWYRKQKQRNCRKEHEQPF GNI SDNTEDITLSSIPKDINFSSD
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IQCFRLRILV LKAAVKEWPSAMGQLRAALQTAGSL SWSQTNLSLDEFKAARNILCNTIIAKH
LSGARCSSVGASTSTNSAFENE FISQRAASRAIHNI VRAHLIGLKKYRDKKRAILIQATF
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>comp15297_c0_seq2; 730 211 3159 LEN=5604; translated
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QCQQENNKLS E EYLATSLAKDLKAVNEIGALLPKVYSGCSP TVAGTSVSSTNWEDGFVVG
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VMHQSNVAVASENDS CVGALS NKEGECVEKVHTTGPPSSNDT ISSKSSASD NSGFFSLKS
NRSYTV DQAILRKKMLFKRADHSSPSIYRKHRSFEETTNRTESAITIQAWRVNRAELQ
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ENEVHVGGDIRVKINLTCGAKSLLFASRHWDSMKLALLLVKASLKKEIRKEYSARLVAE
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DTISLTRGEKAVSVNQNEAILSSPEVLPDL DLYEKVIEDIPTKTMPLVDTYLYEHHLAATK

IQCFRLRLIVLKA AVKEWPSAMGQLRAALQTAGSL SWSQTNSLDEFKAARNILCNTIIAKH
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>comp15298_c0_seq1; 186 1 781 LEN=781; translated
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TALLE TL SLTIGEGKDEL RKREGDRPECDVVYLDPMFPPRQKKS AVKKGMSILHGLLETH
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>comp15298_c0_seq2; 184 1 1209 LEN=2002; translated
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LSLVPY EYGTIPDRSTFALAI EPMESSGSSRRRPK KKKPKTKNKPSSAAFFVDLCPPVGS
RAGRRRAAGASGTS DLLVKAVGPRKGS GGAGAVVWDLTAGLGQDSLVLARNGARRVHMVER
NPVVAALLGDAMRRLEWIASQEASLDDSDGQKPATALLE TL SLTIGEGKDEL RKREGDRP
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>comp15298_c0_seq3; 65 1 746 LEN=1539; translated
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TALLE TL SLTIGEGKDEL RKREGDRPECDVVYLDPMFPPRQKKS AVKKGMSILHGLLETH
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VYVSPVKT

>comp15298_c0_seq4; 302 1 1244 LEN=1244; translated
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LSLVPY EYGTIPDRSTFALAI EPMESSGSSRRRPK KKKPKTKNKPSSAAFFVDLCPPVGS
RAGRRRAAGASGTS DLLVKAVGPRKGS GGAGAVVWDLTAGLGQDSLVLARNGARRVHMVER
NPVVAALLGDAMRRLEWIASQEASLDDSDGQKPATALLE TL SLTIGEGKDEL RKREGDRP
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>comp15299_c1_seq1; 106 1 1291 LEN=1965; translated
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GRIPLTATTQAPSPAPLAKKDCLVLAAPLSPGGLPSSVQTEVSVAVADAAFEGLASVSR
FPGQGPTRLGKRIRSTVPVATGAPPPLWFLPSLAGPSGFPDALVLGFARGGECGNERG
REAEFGAGEMRRPARCSCAIRRSVSVPHFLPEHFPVEGAGAFSKDPPVGRGW HGGAGFLL
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>comp15300_c0_seq1; 386 248 1687 LEN=1850; translated
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QHQCNPQHQPATSVMI ELLDDAISVLTTPSVPVSHNNFP PETIPLTHPHLSSKDDSI TVG
SPAQENRNEDSRLRSRGVRWNDTIQKQPTQKQRQQKRPQLQQQQQLQNKRESQSHQQ
KRTQRVTTP ELVTLERQIHDRMNFANSRLSRAIDLDERQGRVLAANNKNND CPAWQWPSP
LQFMR TNNP DFNCRDTTIEAYMEASEWYLKAIQLAENQRNKLRSAATENARQRHG NRSS
ISLGTMDATLQRVLPKLRMLISSLDRVEALKKENKRCSTA AVSVAFSNPLGDRKKDRVQ
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>comp15301_c0_seq1; 565 525 2099 LEN=2337; translated
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ESSILGFPEVLSVANKSEGAMP IKPKPPLSVIKVADAVASEGTTKSPTNNSSTTALILPT
KSTDRTVGAPSTKSKGTARRRGKWTIEEEYVARVIQDFNSGYL NAPAGYTLRSYLSDKL
QC DPMRITKFTGESCI GKR V FHPAVRNATNAAAIDKAQSELDALERRRRRLEMQQRES
AKKAAA SAAAANAANRGAVTVQGV PVSMLGSSSQNP SDSQLQQSAVTQAATWLD RANVIL
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QQT TAGLP NVLLQTSASTSTPVYRTTNNANTTNTITATLSNSGMVGTMPKHSSSAHVSPT
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>comp15301_c0_seq2; 263 1 785 LEN=1023; translated

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AEALLGFLSSVRASAAAGQEL

>comp15301_c0_seq3; 565 230 1804 LEN=2042; translated
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KSTDRTVGAPSTKSKGTARRRGKWTIEEEYVARVIQDFNSGYLNAPAGYTLRSYLSDKL
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>comp15302_c0_seq1; 869 1 3102 LEN=3982; translated
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GKTGVSALYEWAMKRRTTPTFSMSQNNFNRKKESERTENETQEKTQKESVDAMQQHLP
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LRIAQIASKSHQPRERFIETLSKFAANMGCALISSPKTSFANLEKDHLQRMGRQACTL
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>comp15303_c0_seq1; 1337 385 3816 LEN=3854; translated
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SIMKWGLFFQKKKKIETVDEVYKDLRDMSPYDCEQVDIYWDQLMPVVSYLGTERRCAKVYD
ALRVAYRAHRGQARKSGEPFIIHPVEVA ILLAGLKMDEATVMAGLLHDTVEDTDLTFELV
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DQRHAKYEDTLENSQKILKERLNSDPTLSSQAADV KVSGRMKEIYSLWHKMETKEERNLD
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SSIKEWQDEKLNARDFVDSVRNELLGKRVFVFLRNGQILNLARGSTAIDAAFQIHTEVGL
NMHGVEINGKPVSI SYELQNGDVVSILTGEGRPATDWIGFAKRSARSKLRSYFREKQKE
SLSEAGKILLMDYLWMHGPLIEKSSYLEEEFSIPSTIEEVAVLLPGNTHYDDIDDLIKL
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QSSATFQPAPNTDTENETPASNWPKPKLPNKYAGFDGTSTANGEGSIEYADPEHLCTEC
LPVLGDDIVGTVPVDDTNEATPTVHRTCCPIAQKAINQEAAGNORTADDFSSDEQGSQKQ
RIDSVSLRQGGYGRFQEV DVVERPVALRWSAEPGAGDEQEHFYPCIEV VHCQDRKLLLLAD
CSETVSDLSEI IKTGSLTTNEHATLVFLVKIRCLDDLQKVMNSLRQIPSVMAVERRVSAA
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VFH

>comp15303_c0_seq2; 1315 385 3695 LEN=3733; translated
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SIMKWGLFFQKKKKIETVDEVYKDLRDMSPYDCEQVDIYWDQLMPVVSYLGTERRCAKVYD

ALRVAYRAHRGQARKSGEPFI IHPVEVAILLAGLKMDEATVMAGLLHDTVEDTDLTFELV
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NMRTLQHMKPEKQVKI SRETLDIFAPLAHRMGIWQFKSELEDTAFMYLYPLEYKRLSRKL
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HIVDVVALRVIITPKANPEEDEDSDRGVWLCYHVLGLVQHLDGFPFPTRVKDYISFPK
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SSIKEWQDEKLNARDFVDSVRNELLGKRVFVFLRNGQILNLRGSTAIDAAFQIHTEVGL
NMHGVEINGKPVSI SYELQNGDVVSILTGEGRPATDWIGFAKRSARSKLR.SYFREKQKE
SLSEAGKILLMDYLWMHGPLIEKSSYLEEEFSIPSTIEEVAVLLPGNTHYDDIDDLIKL
GKQHDRALLHSFVSKLFKVPQKVLINAEKNRSSLIPKSVLDAVHERQKKAQDAAA AVASA
QSSATFQPAPNTDTENETPASNWP KPLPNKYGAGFDGTSTANGEGSIEYADPEHLCTEC
LPVLGDDIVGTVPVDDTNNEATPTVHRTCCPIAQKAINQEAAGNORTADDFSSDEQGSKQ
RIDSVSLRQGGYGRFQEVVVERPVALRWSAEPGAGDEQEHFYXVRDRRALPGPEAPGG
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>comp15304_c0_seq1; 255 1 1391 LEN=1391; minus strand; translated
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FVFATNPGTSRPQNSLRES DRYNGTTNEKNRVKLVHVCPICLQSF DSESELRKHKSSPVQI
PSDRNGFFVDAVHSSLLKDESQEEAKLKI KVDDDSIPYVDP SRGAPQRCLGP ILEKLCVT
NACRGKRLRWFLQHSKFENLKFTRVAELAIKSGLVLLNGEVAHDSSRILKVQDTVSI LE
KKEGTGSFINHDTLRTGKEVPRGPVTIQKLSKNPKVEILERS SNWL VAMKPSGMRTKGN
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>comp15304_c1_seq1; 665 212 2527 LEN=2682; translated
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EEDEAKRAILHHCLLSHYLHSAAKVSKLVHVC LTGTQPITWKLDAAMLQNLILVKTFS
DTKPFANIWTRHTPISEQSDVVLEHTDGS SPTMCNKDFPEAGAI EPHFAAPRRYRNGKLG
RHWLSRYGYRHRRTGVLFGSTKDANVSESMHFVFATNPGTSRPQNSLRES DRYNGTTN
EKNRVKLVHVCPICLQSF DSESELRKHKSSPVQIPSNRNGFFVDAVHSSLLKDESQEEAKL
KIKVDDDSIPYVDP SRGAPQRCLGP ILEKLCVTNACRGKRLRWFLQHSKFENLKFTRFA
ELA I KSGLVLLNGEVAHDSSRILKVQDTVSI LEKKEGTGSFINHDTLRTGKEVPRGPVTI
QKLSKNPKVEILERS SNWL VAMKPSGMRTKGNAPGTLESSVSEQEGIKYASLSSLETSC
SGLCVLAKTSTRTQV SIRHFLT VLVHGHLP RDEWFP SCTISLPLEAKWRQKKKIKKRKHS
AESNSSAPLRSPSQSSSFLKPDDESSQHENRKT VSAEVYPRESTKLAL EKSLKNPLRL
STLEVVTPEPSSSICHYFRQEGFPVVGDSFCKQEYSRLKRSIRNRLKDKLCIGCFKVEV
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>comp15305_c0_seq1; 772 354 2201 LEN=3827; translated
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EGKTWDKRLREWFFYSLDAEEQLLVSERENNETDHGHPRTGKTSRVRKKRSLRKNVKDS
TFYDIFNVPVDANNT EIKKAYYQLALTLHPDKNDELSATERFAQINKIYRILINEELRAI
YDQSGSCYLDRVTADTELTSDAQVNPYRFFSDLFESNGMGFELYVGEDLAIATLV DNI LG
LTD RADS RFQSPTKKFWYESPQQRTRQVKIASHLRLRIDNYVKSDFGLVSFEKFEESCRY
EAEALVAALDVVNNARSLNNGVATGIISETMKYLVPPIKPLLNFFVTRD TVHNFHTNH
NLSRMAQKAMVKYYRHSVVKVEGTL DGC GDEDKAEDLNTLLKAFSSPKMWKVLQEFNAND
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>comp15305_c0_seq2; 772 354 2201 LEN=3923; translated
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ESLLNCSLTGLTENGLGGLVLGATDGSRLLSMTVVGLLAGAYQGVKGIHIVPESIRAMK
EGKTWDKRLREWFFYSLDAEEQLLVSERENNETDHGHPRTGKTSRVRKKRSLRKNVKDS
TFYDIFNVPVDANNT EIKKAYYQLALTLHPDKNDELSATERFAQINKIYRILINEELRAI
YDQSGSCYLDRVTADTELTSDAQVNPYRFFSDLFESNGMGFELYVGEDLAIATLV DNI LG
LTD RADS RFQSPTKKFWYESPQQRTRQVKIASHLRLRIDNYVKSDFGLVSFEKFEESCRY
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NLSRMAQKAMVKYYRHSVVKVEGTL DGC GDEDKAEDLNTLLKAFSSPKMWKVLQEFNAND

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>comp15305_c1_seq1; 735 122 2518 LEN=2633; translated
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RSFVPGDELAYVYPNDKPEDETEHSSWSSYENPSDES AKNIIDGIQLTAKYLRQIILGFT
SAPEIRKLHLLSSYLDRLT KLANRDVVPNEDRFRDKQSSNIDNENFDKTEQDDCHQDGI
STQTLMKWQLQRFTELAVEIEDTMWARRKALETDRSNKFS LGQVVQHKKYGFGRGVVAVD
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TRADNEMI EANNIRDIVDRLSMDNLFQILKHVDNSDTAAVVTDAFKEIWKGHKDREIRYK
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QEHIDHHSRCEGDRSDHTCFDRRKS KRTRCGTSNDSGGITIEVHVVGGFDDCDGSSSDI
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>comp15307_c0_seq1; 1382 270 5822 LEN=5990; translated
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CLEECRSNCEAGEFCGNRRIQRKQWKQLEVFQTERKKGKGLRVLEDVKQGELVTEYVGKAV
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>comp15319_c1_seq1; 943 422 2749 LEN=2911; translated
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>comp15319_c1_seq2; 672 50 1672 LEN=1728; translated
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>comp15319_c1_seq3; 395 1 1255 LEN=1311; translated
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>comp15320_c0_seq1; 629 197 1990 LEN=2576; translated
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>comp15320_c0_seq2; 571 197 2149 LEN=2735; translated
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>comp15321_c0_seq1; 561 261 1926 LEN=2272; translated
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>comp15322_c0_seq1; 534 254 2113 LEN=3565; translated
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>comp15322_c0_seq2; 823 254 3187 LEN=3457; translated
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>comp15322_c0_seq3; 312 184 1095 LEN=2547; translated
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>comp15322_c0_seq4; 601 184 2169 LEN=2439; translated
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>comp15323_c0_seq2; 180 354 1267 LEN=1559; translated
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>comp15324_c0_seq2; 201 1 1508 LEN=1692; translated
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LETEAIRLGRDAPNGVVREVAGFLRHLDITITGLEAAGGHLVHPAIEAELSRNRAGRHWIE
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GGLQIYSNKGCGLQRVYEMESAKDFSRHLVYHASNNKQCFFKYLQEPAPVPASIRPRIDR
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GKPHGVALCAALAAIGKAGEPKRGNARGTIMPCRAVRIRSIIEEPACASARTFEPGGRNSN
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>comp15324_c0_seq4; 502 1 2038 LEN=2283; translated
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RVDANANSNSNSTPGSNATLSSSPSPSSVAEPAWQAFTENTDPSNEDLVLWETKLP
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>comp15325_c0_seq1; 563 158 2514 LEN=2673; translated
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>comp15325_c0_seq2; 68 1001 1188 LEN=1188; minus strand; translated
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>comp15325_c0_seq3; 26 424 1163 LEN=1163; translated
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>comp15326_c0_seq1; 977 1 1995 LEN=1995; translated
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VQRAILHHCPILLDAC ISGLTRLPLLYIKAPDANINDNPRNSASVSTSLARTIK
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>comp15326_c0_seq2; 307 1 746 LEN=931; translated
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>comp15327_c0_seq1; 307 1 844 LEN=1306; translated
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>comp15327_c0_seq3; 1258 1 2182 LEN=2644; translated
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>comp15327_c0_seq4; 1268 1 2194 LEN=2656; translated
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>comp15328_c0_seq1; 334 506 1450 LEN=1674; translated
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>comp15328_c0_seq2; 450 346 2013 LEN=2237; translated
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>comp15329_c0_seq1; 650 253 2181 LEN=2409; translated
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>comp15329_c0_seq2; 541 631 2363 LEN=2591; translated
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>comp15329_c0_seq3; 650 137 2065 LEN=2293; translated
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>comp15329_c0_seq4; 541 515 2247 LEN=2475; translated
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>comp15330_c0_seq1; 976 1 2500 LEN=2684; translated
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>comp15332_c0_seq1; 364 96 1460 LEN=4135; translated
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>comp15334_c2_seq2; 375 1227 1888 LEN=1888; translated
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>comp15334_c2_seq3; 375 1239 1900 LEN=1900; translated
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>comp15335_c0_seq4; 175 497 1458 LEN=1458; translated
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>comp15340_c0_seq3; 564 491 1951 LEN=3831; minus strand; translated
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DSSSISELWNSGNEVMTIGDAILTAAEVARQVGIIRKKS K THPPTLQLKYIPDDKT TA
TKTSFRHEHFVPLSTKAHVSSNENLTLSTTDVTHLKKMVAANELALCISGDALQKLV L K
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FTTLMCGDGTNDV GALRR AHV G I S I I S A P G I E A K Q R S A T K A I S Q M K A D H E K E R K K K R A K K
GSRARNVSSLEQSLRELQEAQHELDQIELGDASIASPFTSRMVS IKCKVV L Q Q G R C T L V
TMLQIYKILGVNCLVNAMVLSKLF L H G V K Q G D R Q L T I L G L F V A G L F F F V T R G K P L P K L S E
RHPPDSVLSTEALVSIASQFAIHYTAMI IATEVALSFVDPFDP S M I P D G P F N P N T L N T C T
FLISVLATINTFAVN YRGE P F V E P L R D N K M L W R S L Q V C Y T I L A V C A L E I F P P L N D L M Q L A
EFPD TVN P E S L E W

>comp15349_c0_seq1; 393 164 1954 LEN=2796; translated
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CVRKFGYNLQAAALTLRYRQQTYIALFLAVAQQFCGQTSILNYAPLIFAEATKQDVEND
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TEIRGRALGYSSIIITSMCGAISTQTFLYGQSILGSPFVFGIYCVITVAGVMFAYLAIPDT
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>comp15349_c0_seq2; 98 138 504 LEN=504; translated
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ASX
>comp15349_c0_seq3; 343 168 1517 LEN=2359; translated
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FLAVAQQFCGQTSILNYAPLIFAEATKQDVENDGDANDGSTDQDMSLVIIGLVKFFVVTIL
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>comp15349_c0_seq4; 343 168 1517 LEN=2659; translated
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FLAVAQQFCGQTSILNYAPLIFAEATKQDVENDGDANDGSTDQDMSLVIIGLVKFFVVTIL
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>comp15349_c0_seq5; 393 164 1954 LEN=3096; translated
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>comp15349_c0_seq6; 322 270 2174 LEN=3316; translated
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>comp15349_c0_seq7; 136 270 512 LEN=824; translated
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>comp15349_c0_seq8; 322 270 2174 LEN=3016; translated
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>comp15349_c0_seq9; 399 1 1604 LEN=1794; translated
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ARGLGARHLWIKWGTVCASKGTPKASRIDLFELLFGSGPMVAIETAANVTEGVRAAATDL
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VHVRTGNGEKGDFFKNKNGRIGEDLDEFANLAKTLYELGRNMKSAVGGKHLTDNSRTQAL
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QFIDASLLGATDALIAARYSSFTQSLPLATVLSSEIVRGGAQHRKTGSDRFANRLFCEVN
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>comp15350_c0_seq3; 423 1 1618 LEN=1618; translated
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DETVRFLESIQEREARERRKVA AAVKVNKKLFDKAILSPGVKADLEALRRAQAFGEAAGA
DVMVKVSKSDLQSENQEKANKAFPKALRISGWDNVSLFFEVYWNQCGDTMGIGGGGMTEN
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>comp15350_c0_seq4; 917 44 2680 LEN=2780; translated
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LNYDDENSKPSINNLFS DHGNSDSRSSLGGGIVDES WREAPIVGSLSYPSLDNDPTRMEF
LDWSLPTKLR IEVNGGTLRQKQSRNIVHSWVRDVMRDNADVVTTCWIYSSPVLPNSDVTGS
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SENQEKANKAFPKALRISGWDNVSLFFEVYWNQCGDTMGIGGGMTENGLYACAKSTNQR
LPLPICPNTKGISQFEHASMKRLRVYPVETMQTADGTDNKGNI DSQSLKNGDKAKAVADQ
SSGVEIRGILLPCMARKLLLLLARKQILEDEKQSSA ISSATALGATNQNHPPDERQQKDEQD
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ECYSGKVSMVAVDASREEVAACKLDDAF PANWYNNKS

>comp15350_c0_seq5; 180 227 573 LEN=573; translated
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>comp15351_c0_seq1; 743 455 2564 LEN=3234; translated
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GEKHIQRTSQHTNNSSESYYEEETIHEEDDND EYDSDFFEYVEEEGVPSASGQTNAVEET
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DGASKVRFLEKESAIELVWNEQSRQWENGTFDPKSIREVYLPVSKAAGASALERGIHDEDL
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PASGTLACGLCLIFVGM YNMSVSI FGEWFVPYTGKSLSSFVPAVVE SKQPFVLTIFWSG
VFTSSFSLEHRFFSNITVGP SLRCDRDDQSNDSIDMRSHAELSAAATSVDYGYEDPDHTD
EGKSI SHRTHSSVVSRI SLGTEFSEVKTEFSEVEDDSTNDGKKKKSMLNLLGGPELKL L G

VVPIPGTKKVYKEERREHRAEKRIQRMPPRRASWETGVSDGKY
>comp15351_c0_seq2; 740 455 2341 LEN=3011; translated
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GEKHIQRTSQHTNNSSESYYEEETIHEEDND EYDSDFF EYVEEEGVPSASGQTNAVEET
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DGASKVRFLKESAIELVWNEQSRQWENGTFDPKSIREVYLPVSKAAGASALERGIHDEDL
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>comp15351_c0_seq3; 740 455 2341 LEN=2994; translated
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GEKHIQRTSQHTNNSSESYYEEETIHEEDND EYDSDFF EYVEEEGVPSASGQTNAVEET
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VKKLI EQERLRAIKKRNR TVYRKSKAALKKTAKNTASGLVSGVAGTTKIALKTGKVG MKL
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PASVGP SLRCDRDDQSNDSIDMRSHAELSAAATSV DYG YEDPDHTDEGKSI SHRTHSSVV
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>comp15351_c0_seq4; 743 455 2564 LEN=3217; translated
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RLLPLPERKITIRFDEYDEMOTCLHINDYTKSEINKSWYKREDYDKMVDLARKTASKAVK
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DGASKVRFLKESAIELVWNEQSRQWENGTFDPKSIREVYLPVSKAAGASALERGIHDEDL
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VFTSSF SLEHRFFSNITVGP SLRCDRDDQSNDSIDMRSHAELSAAATSV DYG YEDPDHTD
EGKSI SHRTHSSVVSRISLGT E FSEVKTEFSEVEDDSTNDGKKK SMLNLLGGPEL KLLG
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>comp15352_c0_seq1; 463 130 1693 LEN=1719; translated
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RRVCRELVRSMGDLRSGGGDPVSAVSVSRSGRPNNGSSS ISSKRWEE EVDWIAENLL
GGGAGDDGPEQLLEQLRGLVLRVREKGGNPGGSPSSE LFDLTVVGCIGNANPSPEWTGLW
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EGKRLAERCFL EALRDETKGRALASIPPEENMVVLGLPYLVYGGRRFPRLGALYRWLVES
APARAYVGANRALRSLSKTTTEDWLES MVFSSPIDVDVAGE IAAMAARGLVTRP IVNDGQ
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>comp15352_c1_seq1; 1183 186 4987 LEN=5644; translated
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PPLLEDARHSFENLPLEMQSIALAVVLVALGWVLLLRKLWRSYCRSLRKHNRKRKRLR
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>comp15353_c0_seq1; 380 1 1525 LEN=1525; translated
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AVYVNHILNDADQLISRAMEAIFIEYGHGKPLPPEGLAERMRFHWSREDL SVPNAQAPE
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>comp15353_c0_seq3; 811 1 3215 LEN=3340; translated
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NARRRLGQNR SFS PRTHEAEAERGDRMLMRSYDTPELPDSFVFDYAIDGVVTSLSRDQFL
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>comp15353_c0_seq4; 563 205 1979 LEN=2104; translated
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>comp15353_c0_seq5; 870 1 3027 LEN=3152; translated
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>comp15353_c0_seq6; 839 1 3120 LEN=3245; translated
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>comp15353_c0_seq7; 898 1 2932 LEN=3057; translated
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>comp15353_c0_seq8; 591 205 1884 LEN=2009; translated
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>comp15353_c0_seq9; 321 1 1713 LEN=1713; translated
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>comp15354_c0_seq1; 589 11 1545 LEN=1545; translated
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>comp15354_c0_seq2; 454 1 1472 LEN=1497; translated
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VADGPSGDVLRVIGGGNDVALQNLVYKRRRTTSKNLFLGPANGENPEEEKTASQWVNSV
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>comp15354_c0_seq3; 427 1 1612 LEN=1637; translated
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NRVKQSLVNELDKRLELDIDVMLES PKLRLELSPAELDKKLELYNNVADGPSGDVLRVI
GGGNDVALQNLVYKRRRTTSKNLFLGPANGENPEEEKTASQWVNSVLKQNFPRSNAGN
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>comp15354_c0_seq4; 1090 11 3087 LEN=3112; translated
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LKIQWYTAWQNK AENSVYSMGDITALIPEDEV D ICILEEPEHLN WYRAPGDSWTDKFKHV
VGI IHTNYFVYAQDQPAAFIRAPAMRLLCSWMCRAHCHRIVKLSGTLGQFAPEKELIENV
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XTWLSVLPNRVKQSLVNELDKRLELDIDVMLES PKLRLELSPAELDKKLELYNNVADGP
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FSLLI

>comp15354_c0_seq5; 582 11 1545 LEN=1545; translated
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>comp15354_c0_seq6; 1083 11 3087 LEN=3112; translated
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>comp15354_c0_seq7; 1139 11 2947 LEN=2972; translated
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>comp15354_c0_seq8; 844 11 2134 LEN=2134; translated
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H G I R G S F L E A G R E A S K R I R A D P S H D P V F G A E A D P S V Y F I G K M L W S K G I G S L M D L L Q Y A E E
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>comp15354_c0_seq10; 248 1 659 LEN=659; translated
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>comp15354_c0_seq11; 1132 11 2947 LEN=2972; translated
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H G I R G S F L E A G R E A S K R I R A D P S H D P V F G A E A D P S V Y F I G K M L W S K G I G S L M D L L Q Y A E E
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A R Y R M F R S R L S Q E V S Q S N V L P N R V K Q S L V N E L D K R L E L D I D V M L E S P K L R L E L S P A E L D K
K L L E L Y N N V A D G P S G D V L R V I G G G N D V A L Q N L Y V K R K R R T T S K N L F L G P A N G E N P E E E K T
A S Q W V N S V L K Q N F P R S N A G N T P K E D D T R T D N Q D K S G G M N M C L T N R P F R R S S I I P P S R T A F
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>comp15355_c0_seq1; 869 2383 6120 LEN=6240; translated
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R P A S N T G S Y F D D G R Q R S T H G D G S R C Q G M E Y D S L G S R D R R D S T G V P R W G R D R G Y P P A V E E P
Q E H R H N E Y G R E L Y R S H H P P Y S H P Q V S A V E R S G Y G D D M D I Y R A R R S E G G G D R R N N N G N D Y R
R N N N G I D N D H H G Y P S N I E Y S D R D N A G H Q R H Q H K Y R N H K Q P S P H Q Q E P Y L R W S S S E R G D G
R F P S Q M H Q R H N G E F D S D A N G S E Y H H R S A P K A S G P E R D R L G P T R G N R D G S F D L P D A A R I D R
E R Y P G G T T H R A S R G Y V P G G D S E K A A S V T S A R N T P L S R S L R E G D L E R G T E V G A N A S A N R K
R L C S E T V G A N R D L D E T V K A S T E G P P S M K R Q R G M D T K S P T G S F E A N Q S K Q E G Q R A T V E Y Q T
K S T R I P S S S A P K Q K S S S T S L A K A S S L P S T K T A N S A S A N A S G A I T L P C S K G G G V K L Q G L E
T E G K Q L E D R K P T S S L P I P S S T N T A L T K P S L P L L S A K R I Q Q Q K Q V P V Q A K V T N K L G I P M R W
L K P K A K P K P A K K A L P P A P Q P H M S K S E K I P L K S S K K A A A A T N H H H Q K P S S P F N R L V T D S S V
G S S S I V S N R N N S S K L S K S A S K H N N P V E G K G S N S V P S A I V T K K A R P K S H K K E T I Y D P A E F
E D G P E E G D E V W D S D A E S E P E E S D S S E S D T D D D E V L H W A S K V L G V Q P A V S S P V T S E S K S D S
L V P N N I N S S N N D N K N V P S K P K S P K I K L R L S A E M K I K L S E S I K S S A V N K K D L S E E D G K K I E
A A L K K L E R K K R K D E K L K A L S E K I S E R P E F D H E K V R Q E I E E D R R K R E E A K P L T A K E I R R I L
Q E D N S S N R G D Q S N W V R R S R R Q P N K N L L R S K G V R F L V D K L K N N D T D V R V L K M K K Y I N D P N V
P G A V L D A I L G A M E E N T N C E A L Y I Q N F N E G M R D Q Q V L H L L R I L Q Q S S C K I W C L N I G E N Y N V
S D D T W E K F T K G L I H T K I T H M Y A S E H T I T T D M K D E I R F T I R E N R K K H D L H I N P N N L D V I I Q
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>comp15355_c0_seq3; 229 123 362 LEN=1407; minus strand; translated
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>comp15356_c0_seq1; 710 469 2403 LEN=2799; translated
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>comp15356_c0_seq2; 578 469 1907 LEN=2982; translated
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>comp15357_c0_seq1; 923 302 3520 LEN=3692; translated
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>comp15358_c0_seq1; 1054 1 2689 LEN=3053; translated
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NLILRSCNVRADGAASFAIALRTIGSQEHSTEGEQRRLIDLXGNPLGVLSKKKSGGKYS
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SIKKCGALALALAFVENNDDSSSETSEKGSVVHVELALRHCSFDTKAAEALAAVLQESRQN
YPRMKLTMDMTMNDVLEEDI IAAALHGEEGYDDQLVDMAEVYLDALVEMREARERALKAAQ
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>comp15359_c0_seq2; 681 333 3098 LEN=3127; translated
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DGGWRSHLKTNGGSMDEGSTILDCMISDRYRIPMLRKTTKLSAFDTAFSREGIALEACAQ
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>comp15360_c0_seq1; 927 223 3066 LEN=3274; translated
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LYPVFEGDVLDERGGFRSIIKHFFPLVEQWEDANWQVFFGGDGSATFWHHEAAFNILYVG
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LARQVSNFFFLASMGCDKPNKCAERLIPTLDLSDAMSDEEKIEAFHTWLAKIYEAFPPGS
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>comp15361_c0_seq4; 288 1 383 LEN=681; minus strand; translated

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>comp15361_c0_seq6; 288 1 383 LEN=1425; minus strand; translated
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>comp15361_c0_seq7; 157 1 263 LEN=1305; minus strand; translated
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>comp15361_c0_seq8; 157 1 263 LEN=561; minus strand; translated
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>comp15361_c0_seq9; 288 1 383 LEN=1649; minus strand; translated
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IRARAVG
>comp15362_c0_seq1; 999 767 2677 LEN=3143; translated
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IWF AISP LLS EIREDLGLSDQAIWNSNITSVAGTIFMRIVLGPSCDKWGARIPMAVVLV
CSIPTALTGFVNSGIGLAF LRLF IGCAGGTFVMCQYWT SRMFATEVVG TANALVGGWGNL
GGGVTQLVVGAGLFP LLLKLCFNGDATMAWRTVSVFPAILAVFTGYMIYKIGDDCPKGN
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NTETAAAIASIFGWL NIFARGLGGYCS DRANGNCGMRGRLWVQTGCLVAEGALVLF
FAQTQSLTSAIVVMIFFSLFVQAAEGSTYGI VPYVDPSTGAIAGIVGAGGNTGAVCF
SIGFRQLDYKNAFTIMGFATLGAFFSVF ILVKGHAGMFCGKDEHHQQT VTEELFT
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>comp15362_c0_seq2; 529 1926 3521 LEN=3987; translated
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WT SRMFATEVVG TANALVGGWGNLGGGVTQLVVGAGLFP LLLKLCFNGDATMAW
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NTWILFVQYACCFGTELT MNNAALYFKDKFDLNTETAAAIASIFGWL NIFARGL
GGYCS DRANGNCGMRGRLWVQTGCLVAEGALVLF FAQTQSLTSAIVVMIFFSLFV
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ATLGAFFSVF ILVKGHAGMFCGKDEHHQQT VTEELFT PYNVQGRKRNGSLMLPS
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>comp15362_c0_seq3; 529 1882 3477 LEN=3943; translated
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WT SRMFATEVVG TANALVGGWGNLGGGVTQLVVGAGLFP LLLKLCFNGDATMAW
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GGYCS DRANGNCGMRGRLWVQTGCLVAEGALVLF FAQTQSLTSAIVVMIFFSLFV
QAAEGSTYGI VPYVDPSTGAIAGIVGAGGNTGAVCF SIGFRQLDYKNAFTIMGF
ATLGAFFSVF ILVKGHAGMFCGKDEHHQQT VTEELFT PYNVQGRKRNGSLMLPS
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>comp15363_c2_seq1; 305 1 763 LEN=840; translated
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>comp15363_c2_seq2; 271 1 733 LEN=810; translated
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GRVA

>comp15363_c2_seq3; 628 1 1568 LEN=1645; translated
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HSEGALAPTI PRERSIDFNEKVRVVRVLCQSQLVEEDELEDLWFQPEEYEAIKRKTMALI
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>comp15363_c2_seq4; 594 1 1538 LEN=1615; translated
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FPEEDVNFVSSDDGSSDEDVSEASSTTISSPETSPIGNPNTLPPPIALSEHPEGAPPTI
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>comp15364_c0_seq1; 516 1 1292 LEN=1776; translated
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YQSNVVHGLTTAATIWL SAAVGVSCGVGLLRVATTAATAATIFILRMGRKRRPNYRPKKKD
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HQVQTQPEERDDENLLRESQISISSQQQHEQEAGANKRTFDEESKPTNSNNLVGVPPET
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>comp15364_c0_seq2; 205 1 929 LEN=1087; translated
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>comp15364_c0_seq5; 123 336 603 LEN=603; minus strand; translated

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>comp15372_c0_seq1; 536 140 1915 LEN=2363; translated
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>comp15372_c0_seq2; 536 84 1859 LEN=2307; translated
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>comp15373_c0_seq1; 640 179 3188 LEN=3331; translated
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>comp15373_c0_seq2; 206 627 1538 LEN=1681; translated
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>comp15374_c0_seq1; 340 1 1032 LEN=1233; translated
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>comp15374_c0_seq2; 885 296 2886 LEN=3087; translated
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>comp15374_c0_seq3; 862 296 3008 LEN=3209; translated

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>comp15375_c1_seq1; 413 1 1202 LEN=1276; translated
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>comp15375_c1_seq2; 343 1 1209 LEN=1209; translated
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>comp15376_c0_seq1; 1284 1 3333 LEN=3638; translated
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N D E Q G D D R I A D Y G T E K S T E A T E D E V N D T N K E G V K E K A I V D D G K A S N S S A S S C N D S D S E G S
A E T G D P D A F E K V N S N S H N D P S A S F T V T S Q M G L P L A K F R T P K T F S E I L Q S E M E E E K L F S D L
Y D L I P H T M D T L P A H S K N D I G S N S E E G E L R T V H Q L S Q L A I D S I Y S I G S R I G D D I A L L V M E D
E K S S A I S S P K M N G Y F D E S S Y L Q K K F G S G I S S V V N L N P S T H T D N A S A T T E S S R S D A S K V R N
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I V A S Y R Q P K E K P A P V P T K K K S D P P S Q N L T T G Y T P E N A E D P T G G C S L E T R Y D E D V S P E I L
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>comp15377_c0_seq1; 1167 178 3714 LEN=4284; translated
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>comp15377_c0_seq2; 261 417 1271 LEN=1376; translated
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>comp15377_c0_seq3; 1250 178 4833 LEN=4938; translated
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>comp15377_c0_seq5; 1379 178 4737 LEN=4842; translated
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ILQKNELYFFNLYDIAGDGIDHGYVKLFLGTTDTSDLNR IIFESDGNFLSGVDHTFFAAI
PPTILLPPSDSYXVFDPRDDGLVSNVMLGLFFGYPKVSTLTYFFSLLDXPGEISLQLRM
EDTEFSTNIDDERKDSIAFFRPPGYKDRVNEVVTERIAIPQTPEGTRRHF SFIIGDRSA
DGLCCAWNGGQETGYTLYEGDPSMDNVIVHSIFKSAGREIKHFSISNDKVDEISLNNKEG
EQQSVKIKVSIKLDLHPGETGF LISDSSGSR LKYVPPGTFKEQNAIVERSFAFHPLGLYTF
TIIDTFGDGMNRDEI IYSIDLLEDNRNRSILTGTGDFNGAKSHDFLIEGDEARYPLQIHM
TTGHKPEHFGFSIYRLDLVESVAIIASRSKGEYDQAYDNITESIMVTKGALYRIVFENSY
SGIHGRVVINIGCSDLISCD S MEYTFDSENAQGYRWWQVKLYADNP SLLIGNNSEVMTLQ
IEPDRFPEQIEWVLVSSNHNYTLQRPFMIDGEEKREVVA YGPLPESSVSRDTLII PRPN
KQGHALIIMNNGNDIAWLGECSLLQLYDSQVYGGSPVYIDRFEEENRAVLFFSLIDSDAK
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>comp15381_c0_seq19; 298 1255 2722 LEN=2807; minus strand; translated
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VSFFDQQRATRIALAGILIRLECAKHVVRDQILIVVLDVWIFRAATKAIGNKGCICFLEYF
GIGASTKLCIRGRSDPENQVVSLLAVVVAPVAVALPPKAVAAAAVAGRPWHARVRVDG
NVLLGRGPLQPKEDVVRETHPRVEERVDVQRTQHPLHLGGVAAAAATGGGTDRARRVLS
DLGKTDLVLA VRGGHDDVRGHEGPRAPVRPVVDLLEGDKVGVA VRRRVPAAHDEPAGGGF
RARS AEKGIAALVLLQRAGGDRPSPGLLSAEALLFVAASIVAPATDAVEECEXGF DPCG
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SRKLENQEH

>comp15381_c0_seq20; 296 1255 2592 LEN=2677; minus strand; translated
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TKAIGNKGCICFLEYF GIGASTKLCIRGRSDPENQVVSLLAVVVAPVAVALPPKAVAAA
AAVAGRPWHARVRVDGNVLLGRGPLQPKEDVVRETHPRVEERVDVQRTQHPLHLGGVAA
AAATGGGTDRARRVLS DLGKTDLVLA VRGGHDDVRGHEGPRAPVRPVVDLLEGDKVGVA
RRRVPAAHDEPAGGGFRARS AEKGIAALVLLQRAGGDRPSPGLLSAEALLFVAASIVAP
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>comp15381_c0_seq21; 437 1 2114 LEN=2282; translated
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AATNNNASRGEKTGGGGSITSGPLEENERSD SLLRGAGTETTARRLVVGGRDAPSDRYPY
FVSLQEVYNGTHRCAGTLVAPDVVTA AHCKDEIGFAQV GKYSAGPVRSSP GGGGGGDTT
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FGGQGDRNGSNNHGE EGNLTILGIGTTTTYTKFGASTNPKVLQETNTSFV PNRFCRRSKD
PDVEDNYQNLISDDMLCAFETNQDACQGD SGGPLIKKGNSPSTDV LVGIVVVSWRHTEG
FEDDEAKCSVAHLLVFTAKPSSRFLPVAF SYMVRRGFGCAHPSFPGVYSRISYVSEWVI
ATICQLSSAPPIEYDCANVMAPSHENSIPVTVIIQYDDHPGEISWSISQAESGLVLVNV
VTENLDTPARYRSQETVFLPPGSDLVFTIQDRYGDGLCCNAPGNYRVVLRNAVGVKVIAYGG
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>comp15381_c0_seq22; 285 1 2387 LEN=2689; translated
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FVSLQEVYNGTHRCAGTLVAPDVVTA AHCKDEIGFAQV GKYSAGPVRSSP GGGGGGDTT
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FGGQGDRNGSNNHGE EGNLTILGIGTTTTYTKFGASTNPKVLQETNTSFV PNRFCRRSKD
PDVEDNYQNLISDDMLCAFETNQDACQGD SGGPLIKKGNSPSTDV LVGIXVVVSWRHTEG
FEDDEAKCSVAHLLVFTAKPSSRFLPVAF SYMVRRGFGCAHPSFPGVYSRISYVSEWVI
ATICQLSSAPPIEYDCANVMAPSHENSIPVTVIIQYDDHPGEISWSISQAESGLVLVNV
VTENLDTPARYRSQETVFLPPGSDLVFTIQDRYGGWALLQCTGEFETEKTLKLVNFDRENTK
MISHLHRQLPTLIQGNRVVLRNAVGVKVIAYGGGDFGREKFHSLRRLPTDYVDDAEKPLI
EDDQIALTVVIQLDGFPEETGWRIDRLGVQVEDVIRIPTGIYTTQEMTVFRTIILQKNEL
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>comp15381_c0_seq23; 294 1 2086 LEN=2643; translated

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AATNNNASRGEKTGGGGSITSGPLEENERSDSSLRGAGTETTARRLVVGGRDAPSDRYPY
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EMQRVLGPLHVHPLFNAGVSFSDVLLFRLERTSAKQYVAINTDPGVPRATGNSGSGGHG
FGGQDRNGSNNHGEEGNLTLILGIGTTTTYTKFGASTNPKVLQETNTSFVFNRFRRSKD
PDVEDNYQNLI SDDMLCAFETNQDACQGDSSGGLIKKGNPSTDVVLVGI VSWGFGCAHPS
FPGVYSRISYVSEWVIATICQLSSAPPIEYDCANVMAPSHENSIPVTVIIQYDDHPGEIS
WSISQAESGLVLVNVNTENLDTPARYRSQETVFLPPGSDLVFTIQDRYGGWALLQCTGEFE
TEKTLKLVNFDRENTKMISHLHRQLPTLIQGNRYVVLGRNAVGVIAAYGGGDFGREKFHS
LRLPTDYVDDAEKPLIEDDQIALTVVIQLDGFPEETGWRIDRLGVQVEDVIRIPTGIYTT
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>comp15381_c0_seq24; 294 1 2086 LEN=2567; translated

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FVSLQEVYNGTHRCAGTLVAPDVVVTAHCKDEIGFAQVGKYSAGPVRSSPGGGGGDTT
EMQRVLGPLHVHPLFNAGVSFSDVLLFRLERTSAKQYVAINTDPGVPRATGNSGSGGHG
FGGQDRNGSNNHGEEGNLTLILGIGTTTTYTKFGASTNPKVLQETNTSFVFNRFRRSKD
PDVEDNYQNLI SDDMLCAFETNQDACQGDSSGGLIKKGNPSTDVVLVGI VSWGFGCAHPS
FPGVYSRISYVSEWVIATICQLSSAPPIEYDCANVMAPSHENSIPVTVIIQYDDHPGEIS
WSISQAESGLVLVNVNTENLDTPARYRSQETVFLPPGSDLVFTIQDRYGGWALLQCTGEFE
TEKTLKLVNFDRENTKMISHLHRQLPTLIQGNRYVVLGRNAVGVIAAYGGGDFGREKFHS
LRLPTDYVDDAEKPLIEDDQIALTVVIQLDGFPEETGWRIDRLGVQVEDVIRIPTGIYTT
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>comp15381_c0_seq25; 274 1 2613 LEN=2613; translated

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FVSLQEVYNGTHRCAGTLVAPDVVVTAHCKDEIGFAQVGKYSAGPVRSSPGGGGGDTT
EMQRVLGPLHVHPLFNAGVSFSDVLLFRLERTSAKQYVAINTDPGVPRATGNSGSGGHG
FGGQDRNGSNNHGEEGNLTLILGIGTTTTYTKFGASTNPKVLQETNTSFVFNRFRRSKD
PDVEDNYQNLI SDDMLCAFETNQDACQGDSSGGLIKKGNPSTDVVLVGI XVVVSWRHTEG
FEDDEAKCSVAHLLVFTAKPSSRFLPVAFSYMVRRGFGCAHPSFPGVYSRISYVSEWVI
ATICQLSSAPPIEYDCANVMAPSHENSIPVTVIIQYDDHPGEISWSISQAESGLVLVNVNT
ENLDTPARYRSQETVFLPPGSDLVFTIQDRYGGWALLQCTGEFETEKTLKLVNFDRENTK
MISHLHRQLPTLIQGNRYVVLGRNAVGVIAAYGGGDFGREKFHSLRLPTDYVDDAEKPLI
EDDQIALTVVIQLDGFPEETGWRIDRLGVQVEDVIRIPTGIYTTQEMTVFRTIILQKNEL
YFFNLYDIAGDGIDHGYVKLFLGTTDTSDLNRIIFESDGNFLSGVDHTFFAAIPPTILLP
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>comp15381_c0_seq26; 296 1 179 2516 LEN=2601; minus strand; translated

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TKAIGNKGCICFLEYFGIGASTKLCIRGRSDPENQVVSLLAVVVAPVAVALPPKAVAAA
AAVAGRPWHARVRVDGNVLLGRGPLQPKEEDVRETHPRVEERVDVQRTQHPLHLGGVAA
AAATGGGTDTRARRVLSDLGKTDLVLA VRGGHDDVVRGHEGPRAPVRPVVDLLEGDKVGAV
RRRVPAAHDEPAGGGFRARSAEKGIAALVLLQRAGGDRPSPGLLSAEALLFVAASIVAP
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>comp15381_c0_seq27; 527 1 3706 LEN=3730; translated

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FVSLQEVYNGTHRCAGTLVAPDVVVTAHCKDEIGFAQVGKYSAGPVRSSPGGGGGDTT
EMQRVLGPLHVHPLFNAGVSFSDVLLFRLERTSAKQYVAINTDPGVPRATGNSGSGGHG
FGGQDRNGSNNHGEEGNLTLILGIGTTTTYTKFGASTNPKVLQETNTSFVFNRFRRSKD
PDVEDNYQNLI SDDMLCAFETNQDACQGDSSGGLIKKGNPSTDVVLVGI VSWGFGCAHPS

FPGVYSRISYVSEWVIATICQLSSAPPIEYDCANVMAPSHENSIPVTVIIQYDDHPGEIS
WSISQAESGLVLVNVNTENLDTPARYRSQETVFLPPGSDLVFTIQDRYGDGLCCNAPGNR
VVLGRNAVGVIAAYGGDFGREKFHSLRLPTDYVDDAEKPLIEDDQIALTVVVIQLDGFPE
ETGWRIDRLGVQVEDVIRIPTGIYTTQEMTVFRTIILQKNELYFFNLYDIAGDGDHGYV
KLFLGTTDSDLNRIIFESDGNFLSGVDHTFFAAIPPTILLPPSDSYMYLTLVMTMDLFP
GEISLQLRMEDTEFSTNIDDERKDSIAFFRPPGYKDRVNEVVTERIAIPQTPEGTTRHF
SFIIGDRSADGLCCAWNGGQETGYTLYEGDPSMDNVIVHSIFKSAGREIKHFSISNDKVD
EISLNNKEGEGQSVKIKVSIKLDLHPGETGFLISDSSGSRLKYVPPGTFKEQNAIVERSF
AFHPGLYFTTIIIDTFDGMNRDEIISIDLLEDNRNPSILTGTGDFNGAKSHDFLIEGDE
ARYPLQIHMTTGHKPHFEGFSIYRLDLVESVAIIASRSKGEYDQAYDNITESIMVTKGAL
YRIVFENSYSGIHGRVVINIGCSDLISCDMSMEYTFDSENAQGYRWWQVKLYADNPSLLIG
NNSEVMTLQIEPDRFPEQIEWLVVSSNHNNTLQRPFMIDGEEKREVVAYGPLPESSVSRD
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>comp15382_c0_seq1; 1224 98 3910 LEN=3984; translated
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VLREDGLSFKESMMQANLEKERDQLTRELEKDMKEGGTTEGLGKSNNNQOSEEQKST
GKRRRKRWDTNSAPQTTSEKVESAMISDTESVTSTVKSKWDEDVSGTTGSSRRRKRWDET
PVVSSNVAATPVVASGMATPAATISSKWDATPVFSGMSVSGTPAAALNQTSRNRWAETP
APLLPGTPQTPAHGVITGNLNKALSLEMEMSRNRPWTDALDAILPSEGYIVMRPPSSY
VPLRTPGRKLLATPTPMAMTQQGFQMDIPVEQRQDASIQDIREAYGVPLAITSSETGEAS
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ARSGAGPLFNQILPLLMSPTLEDQERHLLVKVIDRVLYKLDLVRPYVHRILAVIEPLL
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NLIPFLKAVCQSRKSWQARHTGIKIVQQIALLMGVAIILPYLRELVEIVSHGLTDDMQVR
IITALTCALAEAAHPYGI ESFDSVIRPLWKGALEHHGKALAAFLKAIGFVIPLMEENYA
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DIDDRLEERLIDGILYAFQEQAVDASNTLGKESQIMLDGFGAVVVALGERCKPYLKQIAG
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WMRICFELLEMLKAHKKAIRRAAVSTFGFIARAIGPQDVLHTLLNNLKVQDRQMRVCTTV
AIAIVAETCGPFTVLPALMNEYRVEPNIQNGVLKAI SFMFEYIGLMGKDYVYAVTPLLE
DALMDRDPVHRQTGCAAVKHLALGVAGHGCEDALHLLNFVWPNI FEESPHVIQAVFDAI
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>comp15383_c0_seq1; 322 1501 2948 LEN=4545; minus strand; translated
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WSLFRCPYGDGCKFRHAGEGGCKPQESDLGPDERKQLKRKQKQKCFVYKKGRCPKGDDC
PFSHDFEPDATAGGGERCVPVVPQSQKDCINWKTGKCRKGDACPYKHDPELRKKALEKK
QKRQRAAAGGNDGGDDGTQAKRPRKEKQPI SVRVFGLNYDTTEHDVRKFMEATAGHPVKS
IVFPRFEDSGRSKGYCGVYFASPKASKDAVEKCDGAELHGXAEGADGEVHDGRAVGGPA
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LT

>comp15383_c0_seq3; 322 1501 2948 LEN=4186; minus strand; translated
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LRDSALKLGTVRGGRKSTSKKLHTMYLRPYVALSDDTGEAPPDGGDGASCVPVGRDVCYL
WSLFRCPYGDGCKFRHAGEGGCKPQESDLGPDERKQLKRKQKQKCFVYKKGRCPKGDDC
PFSHDFEPDATAGGGERCVPVVPQSQKDCINWKTGKCRKGDACPYKHDPELRKKALEKK
QKRQRAAAGGNDGGDDGTQAKRPRKEKQPI SVRVFGLNYDTTEHDVRKFMEATAGHPVKS
IVFPRFEDSGRSKGYCGVYFASPKASKDAVEKCDGAELHGXAEGADGEVHDGRAVGGPA
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LT

>comp15384_c0_seq1; 583 79 1899 LEN=2029; translated
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DPTEQHLMDTLKKTADALREGRLSLGKKNVQIRIAGGWVRDKILGLQTHDV DIALDACTG

VEFAQTVKEFHEKEHGASGGNNRKDGKDRIGKIGVVAANPAQSKHLETA CLRIFGNDVDF
SNLRHETYAEDSRIPDVTVMGTPLEDAFRDCTMNALYYNLNTGSVEDWTRRGLQDLLETK
VVHTPLEAFQTFRRDPLRVLRVIRFAVRYEMELSEEIKSACKLPQIHNELRRKVSRRERVG
NELEGMLSGKHADPAKAMD LICSLNLGGSVLYLPDDVNIMGTIGQIRLEPTPYTREDADG
EGLSRLRECAWLETQECLRALSTILDSFVSNTNAITSLDQRIVYLAVFVLPYMKLQYLEK
QKTKNVVDYMI RDGIKFKNKDAVYMDLITQNL DQMVLLLEQNTTMDCTPALRLQAGLLVR
SAKDMWVTALVVAAVVLSRKHGMSRDVGYWCARAKELYEAIAIGMNL DGCWKTKPLMNGK
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KKMHLE

>comp15384_c0_seq2; 121 202 387 LEN=387; translated
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>comp15384_c1_seq1; 526 303 2141 LEN=2417; translated
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VASRTFVAHAFYGS DGAFAQGVLVAMNNVAMMASKILLPWL IENEKMR AIATNCIHDGI
NLECFDDDDFAFQHNPN TTPYAEVSSVAAGSETNENNIWIGILACCCVQLVSVVAGILY
AWWFGLVPPPPSLQIHKPDQSSNQRSQPKSLHGKTNNALGSSLSHRVSACFETLPLTFW
IVAIGRGI FVVVFKV FTRNSNSFLMEKFGVSAVAAGRKSSFHEL FALASPLVGF IAYRSP
GGIVPVLLFASALASVSIATLACIPADTIQH YLPGGAVAPMIGISISHGIFIPICMAIIP
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>comp15385_c0_seq1; 541 618 1979 LEN=2002; translated
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LEDARSIWPQQHLNDNTSNIQQSMSDYHAQSSMPPFRPNRNNNNAFSTSY PVGYSMHQE
QNFMQNNGLQNGQGFQTRNIQLPQGALPNQTSFSNQLYPGVQSTTNNGNMVSRRMMDAMS
QPSPPVRQQQYNAFPRQGGWQNQDIAFDRTFHEPNRMMGD DNTLSTISGLSEVISSNMG
SANNPTSSLMNMSLRSNFSLTGSLRRNSMRGGNSIRTYDSIGAGGPGINGSI RSGFAPSL
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>comp15385_c0_seq2; 541 637 1998 LEN=2021; translated
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LEDARSIWPQQHLNDNTSNIQQSMSDYHAQSSMPPFRPNRNNNNAFSTSY PVGYSMHQE
QNFMQNNGLQNGQGFQTRNIQLPQGALPNQTSFSNQLYPGVQSTTNNGNMVSRRMMDAMS
QPSPPVRQQQYNAFPRQGGWQNQDIAFDRTFHEPNRMMGD DNTLSTISGLSEVISSNMG
SANNPTSSLMNMSLRSNFSLTGSLRRNSMRGGNSIRTYDSIGAGGPGINGSI RSGFAPSL
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>comp15385_c0_seq3; 594 861 2588 LEN=2611; translated
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QALREDAPGIRPVIDADAESSGDEKKPCVTKVADSNVAKSRGLSPNMIQRGNAIQDNTVN
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QEQNFMQNNGLQNGQGFQTRNIQLPQGALPNQTSFSNQLYPGVQSTTNNGNMVSRRMMDA
MSQPSPPVRQQQYNAFPRQGGWQNQDIAFDRTFHEPNRMMGD DNTLSTISGLSEVISSN
MGSANNPTSSLMNMSLRSNFSLTGSLRRNSMRGGNSIRTYDSIGAGGPGINGSI RSGFAP
SLARSNSFS DISSIMKGS DNWKEEGNLNLLEESDGRDRDWGRNSSAMSIGTLIDMQSNAS
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>comp15386_c0_seq1; 998 83 2068 LEN=2320; translated
MASLEQLQMLDDDETTTSSSDSSCDGTTDDVANS LTASNDDDTDDKSTVDEDGGDSRKR
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DSNSETKAKPETDLSPRKKIVSSEAGAEGSSSRKESPQKADSGKKNPRILPASKPKTKLK
PKETSTSVASDGKNNTNQTKGAQQQKQAPPVTPSLAISKASSSPSHNKKRSMRSIRIT
PMSSPGLLLPPGTSARVQNSGSASDSTSMVSPNQVFAQTMAAAGYTAEARAEFPHRGSSV
ERTVDDMFDSVKICLHFPKLVPGDLFLLPAVPGGVP SADGDATKPTPMDGDETKPPSAA

DPNPDSKATDEVVAKEMKCLKAMEKLSERLIKAFQKNNNGESSLSTTSSENNTGSTRNHRK
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TDSVPPPIPSLPQMPEPSDLRAITHNEEMFGSKGQQEQNHFPYLPENNRLVDHLDRRCFHA
MSGRYFGLSSNTIADPYFYGPSAPGIGGLNLSATTGLAIASSGGGGGSGVGPLLATPSQS
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>comp15387_c0_seq1; 953 386 2001 LEN=3300; minus strand; translated

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FLEVDFDDEDGDDGFGDDIDFSDFMEGDFDFDDEDGDDDFLDFGGGDDDDMEARIAQAKL
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GVDFQSRDEHKPGYLPPAKFDIQAQLSKVEELQKLKEKADSATEWSPEDIDFLLQTSKG
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KTLGKNRIENWVRRELEYLGVQSIANVGGAVRLISCKTGDGVASMMEKAQDLANEMEGDI
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>comp15387_c0_seq2; 1040 386 2122 LEN=3421; minus strand; translated

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GVDFQSRDEHKPGYLPPAKFDIQAQLSKVEELQKLKEKADSATEWSPEDIDFLLQTSKG
GDLDSDNEPTDADNIDIESLVEELGLDLEELSKKKTICKRCHGLQNSGKVDESRLPGWTD
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KTLGKNRIENWVRRELEYLGVQSIANVGGAVRLISCKTGDGVASMMEKAQDLANEMEGDI
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>comp15388_c0_seq3; 483 516 1845 LEN=2678; translated

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>comp15388_c0_seq4; 483 516 1845 LEN=2402; translated

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CKQQQQDVDSQRTLDRIFLSSPGSEETFDEGGGDDSEEDFWDDCVLYYSRQNDCLREELS
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HKDHYENLFYVLSGKVFGLCPPSDAPFLYEQEVLAGRFRSSEASTVEGNEEREPEPKRW
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>comp15388_c0_seq6; 483 516 1845 LEN=2641; translated

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CKQQQQDVDSQRTLDRIFLSSPGSEETFDEGGGDDSEEDFWDDCVLYYSRQNDCLREELS
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HKDHYENLFYVLSGKVFGLCPPSDAPFLYEQEVLAGRFRSSEASTVEGNEEREPEPKRW
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>comp15388_c0_seq7; 483 516 1845 LEN=2365; translated

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HKDHYENLFYVLSGEKVFGLCPPSDAPFLYEQEVLAGRFRSSEASTVEGNEEREPEPKRKW
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>comp15389_c0_seq1; 995 652 3714 LEN=3816; translated
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IRVFEAVVGLRADGIEGIEIESVETLSMDMIESDPLLGRNGKQIAPNADALDAYTAGAIMK
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TKGLLALS LGGRGDEALAMLSEKESVAGSIK GKPLNKIYESLLINSIKANDYELARRVVK
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VDSLSDRNLPCEASLYSTILQFGNHIGGLARKVSAHLVSAKAASGVYGNVNVKLIDEVRA
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>comp15390_c0_seq1; 531 452 2638 LEN=2908; translated
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VPLTTEEKQRRKQQSEQQRCPLALGAWPLVLRALTRQSRYPHFIPVKNSLNGMYYLIRHG
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ELGSKPQF

>comp15390_c0_seq2; 531 452 2638 LEN=2946; translated
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NSADSSNPSQKHNHRFPQPSSRLRTIRLTNNPLVMTNQT SVVLLKLLKIYPELQLIQSNL
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VPLTTEEKQRRKQQSEQQRCPLALGAWPLVLRALTRQSRYPHFIPVKNSLNGMYYLIRHG
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ELGSKPQF

>comp15391_c0_seq1; 776 55 3249 LEN=3318; translated
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LSTRGLPISCQELADTSHTIPASSCERVQSF AKIPCGCVGGDATVSTTGEIVASFLEGHA
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NIARESCGCVAPEITPPAANSNGLEIEVVSQCSICGAGEMTLPGGVVTPKGT SARCYDL
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VTPPEGQAAKCSALNDNSHTIPEDSCPNMQRLAYGPCGCTGSI TLDNETP SDVSTGSPSAT
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TPLAQQHCACIHKAYEPPPRPAYTCNICGGGRQVTNPDGVVRI PAQP PERTCAELMDAATA
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PGI IENTFGSELVVKNCFLKDNNTYGRANNPASAGYAIRSFGSLTLESSCFFGNEFLGHGP
VLVYGAQYQAEDNYVETEQAAGLPCELAALFSTGDDTAANAPKCEASDAGSCSFSQAPTSS
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>comp15391_c0_seq2; 261 1 724 LEN=793; translated
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TLESSCFFGNEFLGHGPVLVYGAQYQAEDNYVETEQAAGLPCELAALFSTGDDTAANAPK
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V

>comp15392_c0_seq2; 1179 412 4375 LEN=4578; translated
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IYDFDAEVLQFQEGSSRDLI GNNPV LDERILRQVAHHATYERWVVF TDLHCSPATLDTCL
EVL DVVHDTAMQQKEKCGVLF LGDFWHHRGTLRVDCLNAILGALRSWKVPMVMIPGNHDQ
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PYQISLAEAHQEKQLVVLNEKWECKRIPISVGRRHFKISSLEELEQIHVELEKVVSTVTA
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SDSTQSIAMQRNLKLT SVTITGFGPFEDTVEYPLDDRGLVLLRGSNKDYGPDSNGTGKSS
LAMATLWGLTGSLDARPSADMKVADVINDNSKTAKVTVEGF INNSPFVI IRSKTASKGDL
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LVPLDLWQQATSTARAKARYARKRVDMEGMIKLRKSDINGLSSRVAGAERARDLKQTRV
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LEDELFGVIRGIVTTMIREKNRFEMDVR SNKILLDSATVHINQIQERWSLCLSDGIPLDLK
PPEFCPTCNQPLQAEGSEGGSEGLESVQKAMENE INEARISFKKAEVALEESHKMAECS
KDLELKEELDDLQLNHEELLSRWVTKLNNIQDGMKEKRNTQHEISSQISMVVKESQLIS
QKEAAKVRDLSEKLNFAHANQTYETLSREL ANAIDFLEDLNSQKDEEENDQRILSSIGER
FSQRGVQTFILQNAVNSLQNTAQFYLDYLS DGSQRLELSLEAGDKILRNAFVRGADGEFR
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>comp15392_c0_seq3; 1145 412 4464 LEN=4667; translated
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LAFDINDGKAVESDKKTSTSKNNNDTSKNASNLQIEITPHSSAIPDANGDGELSHLPSPT
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EVL DVVHDTAMQQKEKCGVLF LGDFWHHRGTLRVDCLNAILGALRSWKVPMVMIPGNHDQ
VTLGGQNHGLTPLENAYRVGDVPGPLVLSHPTRFRNALFVPHVRDINAMKAILSSRECQD
SSALFLHADVKGALMNDM VVSTQGISPMFPMHKHVYSGHFHNP HSVKSSLCSTIEYVGS
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HFSYHTLPFDVKS GSNKDYGPDSNGTGKSSLAMATLWGLTGSLDARPSADMKVADVINDN
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ILSRVAFYQGQHGMDLLEATDSKLDKDELSLLVPLDLWQQATSTARAKARYARKRVDMEG
MIKLRKSDINGLSSRVAGAERARDLKQTRVLEAEAFNQELTKIQELLDRSADSKLEKLQ
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ILLDSATVHINQIQERWSLCLSDGIPLDLKPPEFCPTCNQPLQAEGSEGGSEGLESVQKA
MENE INEARISFKKAEVALEESHKMAECSKDLELKEELDDLQLNHEELLSRWVTKLN
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ANAIDFLEDLNSQKDEEENDQRILSSIGERFSQRGVQTFILQNAVNSLQNTAQFYLDYLS
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>comp15393_c0_seq1; 583 143 2683 LEN=2840; translated
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GLMESE

>comp15393_c0_seq2; 361 143 1729 LEN=1892; translated
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VIAREIQQVLEEQETVDTSDNDEPKPTMKRPSYRANPHGYMVSPEIILGANKSTTSNEQ
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KVMFHEDGRDNNQIHSSQLLFCVDPDHLIEQVKTGGTVVDDWATIFVDLIPVRTPPRYG
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>comp15393_c0_seq3; 493 143 2858 LEN=3015; translated
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SARVMSTLVLSVNFPLPCFHRITQQQQKNCDFPNENVRTWIFGHSPRYRLSRQSSDPE
VTTFKNDVKMCRNNECFELSVRKDTTIMEAYNCDRQRPGAKSSTMPAEKQLYRPDYVTQ
HFHYSTITESTNLLPKFEQEKFKGQRPFPDPLSRFGDEVNEGLMLHKS SVARQDTAGWK
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>comp15394_c0_seq1; 656 76 2550 LEN=2940; translated
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FGPFTGNYRRGYGQRGNLVRPRKVLRRILYDELLRIQQEQEREMEAVGDKDADGVNSSDT
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SIERPRLVCGDALHSMSPFKGQGANQALADGPLLARWLSKSSIDAALTNWWRETLNRTV
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>comp15395_c0_seq1; 174 1 418 LEN=418; translated

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>comp15395_c1_seq1; 512 1 1033 LEN=1585; translated
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>comp15395_c2_seq1; 676 1 2526 LEN=3402; translated
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SDRILIPPDQLPPLTEADLEERYETIRALPDILVAVYLQRNGLYELPVDESLINIQVGGG
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LQLQLLDQARIVPLTDEMCKDFVAAYSLPPPVREQYVADKLGIDGLEAGVVASDRNEDV
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LLEGRPSPEDVDL F MKDCLTDSAKKIFMVT SKPERVIGGYYIRGTNQM GIDESSSKTPN
ERMVEEVS NR LR DHPTLKD KIEFFYITDPSPPDDEMELEVNLTP LFMVTAKDPK TMYNL
SAPLTKAAVTV SGLVSAFFFFSIGSCVLNPKINAGIEKALDSATSSAPGTVYLDIDWFFNL
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>comp15395_c2_seq2; 1138 1 3084 LEN=3291; translated
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GINVTKTKSASADLPNEAGEDASAGAEP SGTDDDAESESEASSFDLYKDLKLAIQMDYYG
LQLQLLDQARIVPLTDEMCKDFVAAYSLPPPVREQYVADKLGIDGLEAGVVASDRNEDV
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LLEGRPSPEDVDL F MKDCLTDSAKKIFMVT SKPERVIGGYYIRGTNQM GIDESSSKTPN
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CLPLYFSFIGILVAHEL AHRIVASIYKFDI GLPNVVP SLSTGLAGTITPLKSPPPSKKAL
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TLLPDQGP GAFVELHPFAISGF IGCLTNSLALLPLGHTDGGRI SLAMFGRRGAFIVKLF T
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>comp15395_c2_seq3; 676 1 2526 LEN=3531; translated
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LLEGRPSPEDVDL F MKDCLTDSAKKIFMVT SKPERVIGGYYIRGTNQM GIDESSSKTPN
ERMVEEVS NR LR DHPTLKD KIEFFYITDPSPPDDEMELEVNLTP LFMVTAKDPK TMYNL
SAPLTKAAVTV SGLVSAFFFFSIGSCVLNPKINAGIEKALDSATSSAPGTVYLDIDWFFNL
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GINVTKTKSASADLPNEAGEDASAGAEPGTDDDAESESEASSFDLYKDLKLAIQMDYYG
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SAPLTKAAVTVSGLVSAFFFFSIGSCVLNPKINAGIEKALDSATSSAPGTVYLDIDWFFNL
CLPLYFSFIGILVAHELHRIVASIYKFDIGLNVVPSLSTGLAGTITPLKSPPPSKKAL
FDFAIAGPIAGLTVSIGLLFVGLLETRQMGLTSLPVLVLDLVRSSSLGGGMVEFFLGKY
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>comp15395_c3_seq1; 50 451 984 LEN=984; minus strand; translated
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>comp15395_c3_seq2; 504 1 1636 LEN=2054; translated
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IYTDMRYECEGEEGEEPDPGMSCLEWDFNKNLVDVLHLKRYLNQRLFLLAGRPTRASLAW
FASDNVNASANANARAPEERGMKLLSKWGGDQRTIDAGEVNRSLHDDLGLLLDDETV
MAFRAGRDVSCFTNRRVLIIDTKGWSGRKIEYLSIPYGSVGAFAESASTSGWDRDGSVN
LYTKNHWTLKVKLDFRKGKADIFAIQTFLSAMVLGGSGTVSGGDTASAPNACGGCNDDA
SYYCSHGPNASNEPRPVQAAAAATATATATNHSDAAGVGF LTDWIVDMAVEEDPSLANTR
LHGPNPAPVLLGGESVEKAYREGRDLWVYTNLRLLRIDAKGLSGTRVKYQSIPLQALAASE
GASAIRAFAVETVGHIDIDAECFVHTNLPSIGRIVQRVVLVVRGNIMDLHEYLXVQAIGSV
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>comp15395_c3_seq4; 50 482 1015 LEN=1015; minus strand; translated
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>comp15395_c3_seq5; 504 1 1636 LEN=2023; translated
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IYTDMRYECEGEEGEEPDPGMSCLEWDFNKNLVDVLHLKRYLNQRLFLLAGRPTRASLAW
FASDNVNASANANARAPEERGMKLLSKWGGDQRTIDAGEVNRSLHDDLGLLLDDETV
MAFRAGRDVSCFTNRRVLIIDTKGWSGRKIEYLSIPYGSVGAFAESASTSGWDRDGSVN
LYTKNHWTLKVKLDFRKGKADIFAIQTFLSAMVLGGSGTVSGGDTASAPNACGGCNDDA
SYYCSHGPNASNEPRPVQAAAAATATATATNHSDAAGVGF LTDWIVDMAVEEDPSLANTR
LHGPNPAPVLLGGESVEKAYREGRDLWVYTNLRLLRIDAKGLSGTRVKYQSIPLQALAASE
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TPEKQ
>comp15395_c4_seq1; 374 155 1127 LEN=1127; translated
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LDFCRRGVDLFRIQQYFNAKVFVGAAGAEGGAAEGAVGAVEGAKAKAAKEESTPFSTSTS
TLLSWIADDAVSIDPVEAGQRFVSKADRASGWPVVEGEAIEAAYRARRDMVLLTSLRLL
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>comp15396_c0_seq1; 617 539 3179 LEN=3303; translated
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RNSYEIPAIHHSNEHHGSRSPDSTRNTLNGVHGSTHIVRVRSLYPVQRRRSIQFQQ
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EHDGELNCNTDADNSKRVSTNKMKKIHLNPICMNLLNALASSLTQNKRSAASSSSSSASLP
SSAAGTSRRKHPTSRRTVIKTPGFSLPPPSAQOQQQQPDAFDTNVSIPPGGLPGYTGWAR
PEKTLARHFSVVAESSLVATAAGSNQKRSEYTIKVKCEGHRHCFPKNKFKYHYSKNGD
AGPSLFFLRAYGPAVVSSTVSRCTSKGDNDSADDSAGAGCSYDIRFAFFDPGLYTI
AVLTFSNPPPI SVFPLGKGAETNEQDTHYEGYLLPGFPLLATVALDGTTEPSAARKDCAL
DDL TETSPASAREKARWVTKVNEKGYSSSTMNSPLVTQPGYRSNANSLGINFEYQHAN
HCRIVSEASFRDERPEEKLF SKPGCGTGKKQKIRIVYIGDSVLRVQRDTLQGLLEGPSSD
REGFQFEFDFLSLHEGYRKNQALGPASVQDFLRDIQKKSADTKVAVLFNTGLHDIHRLC
GSEFKLQRLAYLDNNALTTGSFACVDEYRALQRDFLETMDEFPATLKVFTTTSAWPKYG
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>comp15396_c0_seq2; 264 1 752 LEN=876; translated
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ALQRDFLETMDEFPATLKVFTTTSAWPKYGNFGIEWSEDAQDMPLVSDFSAAFNEIAFG
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>comp15397_c1_seq1; 225 319 972 LEN=1661; translated
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>comp15397_c1_seq2; 225 319 972 LEN=1670; translated
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>comp15397_c1_seq3; 146 319 778 LEN=778; translated
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CNRLLEMYGNIDGTVDLDDLDRRRRVSQKRAQRGLRYSDAEIEYEDETDSDSQQYYMYGRS
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>comp15397_c1_seq4; 225 481 1495 LEN=1495; translated
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FTDVLQNF TGF TPELWDED PFGDNTTNVWEGHTSGEGGLTLELWNALDDTWQAEYVEAM
ADWNEYCDPKVLLLTSEDVEVDRECTQENGVMKVCNGNYGETGWLGINEVLKTVPQGI IQ
SSVAKMNEHYLLNADYDERLYTMCHEVGHGFGLPHTDENFNKDLGNCLDYTNTPKNNLR
PGAANCNRLLEMYGNIDGTVDLDDLDRRRRVSQKRAQRGLRYSDAEIEYEDETDSDSQQYY
MYGRSEYPMATAEYESAMKELYEIEQGIFSDRQQQEEEX
>comp15397_c1_seq5; 304 481 1689 LEN=2378; translated
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ADWNEYCDPKVLLLTSEDVEVDRECTQENGVMKVCNGNYGETGWLGINEVLKTVPQGI IQ
SSVAKMNEHYLLNADYDERLYTMCHEVGHGFGLPHTDENFNKDLGNCLDYTNTPKNNLR
PGAANCNRLLEMYGNIDGTVDLDDLDRRRRVSQKRAQRGLRYSDAEIEYEDETRDSEVVN
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>comp15397_c1_seq6; 304 481 1689 LEN=2387; translated
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ADWNEYCDPKVLLLTSEDVEVDRECTQENGVMKVCNGNYGETGWLGINEVLKTVPQGI IQ
SSVAKMNEHYLLNADYDERLYTMCHEVGHGFGLPHTDENFNKDLGNCLDYTNTPKNNLR
PGAANCNRLLEMYGNIDGTVDLDDLDRRRRVSQKRAQRGLRYSDAEIEYEDETRDSEVVN
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>comp15398_c0_seq2; 720 1 2719 LEN=3165; translated
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HDVMCGRGGQTNNHPGNEWFRRLVRSNRDLYNRCPKHTKLLVAKAIVQAVQDQVPRGRFM
KIKAGTTLWEAIPYNEAVGKTSQALRERALSSTRAENARGKRKGVTKNTKERSNQEREK
AFEIAKKVADRIKTNGLQPALNLAELT SVAIKSAT EDLEHHPKRKSQKTHRHLQSLEQK

NKVAENKQRHRCGIDNQLFIDPYNITSQNHTDDVSSPMQALRNTGSLGVNSESTNVLLMS
SSSSPATTLASMVT PGFSTSHANANDSNKRMRLSAQTEGGVGM LSGGTDSSGGHRR IQHM
GRRLVNRVTF SASSDSQVMQNN SIQHAKMTMAQWQSMRSTGTMHSSAAETVDPLAASVYD
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EHQLWQHDASSASQGTWQPSYQQMQLRQPEVQDKQQQPQQMAV PFFPYK PETHACSGI
LEIQDQQQGEDTLEE IPTVGLANVCADDEM VYDDRAI IPSPPKDLKAHVSDLFTSFFSGD
SAPSNNDRNTT TYS SHAENGGDFAAPPLKGLSAQISDLFTSFFGKDQRSANNMNGKRTAT
SGNRAANGDDCVMPPSPPKGLTAQMSDLFASFFKEDGSTRGRKNSSGRNKNQNFNWI SHS
AADIDDSPLPLPPGGTFEGGLMRSISSSLFSLVEHPSMVLNMYKSSVSSPAQTAFTYQKP
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EKWSGF

>comp15398_c0_seq3; 833 903 3086 LEN=3532; translated
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KA FEI AKKVADRIKTNGLQPALNLAELT SVAIKSATEDLEHHPKRKSQKTHRHLQSLEQ
KNKVAENKQRHRCGIDNQLFIDPYNITSQNHTDDVSSPMQALRNTGSLGVNSESTNVLLM
SSSSPATTLASMVT PGFSTSHANANDSNKRMRLSAQTEGGVGM LSGGTDSSGGHRR IQH
MGRRLVNRVTF SASSDSQVMQNN SIQHAKMTMAQWQSMRSTGTMHSSAAETVDPLAASVY
DTV RAGATYCGMCIEPRHF PKAGSLRNPFRSNI FSEQQRQQRQQQKVS DSGRFSGMDGH
EEHQLWQHDASSASQGTWQPSYQQMQLRQPEVQDKQQQPQQMAV PFFPYK PETHACSG
ILEIQDQQQGEDTLEE IPTVGLANVCADDEM VYDDRAI IPSPPKDLKAHVSDLFTSFFSG
DSAPSNNDRNTT TYS SHAENGGDFAAPPLKGLSAQISDLFTSFFGKDQRSANNMNGKRTA
TSGNRAANGDDCVMPPSPPKGLTAQMSDLFASFFKEDGSTRGRKNSSGRNKNQNFNWI SH
SAADIDDSPLPLPPGGTFEGGLMRSISSSLFSLVEHPSMVLNMYKSSVSSPAQTAFTYQK
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PEKWSGF

>comp15398_c0_seq4; 833 873 3056 LEN=3502; translated
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KA FEI AKKVADRIKTNGLQPALNLAELT SVAIKSATEDLEHHPKRKSQKTHRHLQSLEQ
KNKVAENKQRHRCGIDNQLFIDPYNITSQNHTDDVSSPMQALRNTGSLGVNSESTNVLLM
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MGRRLVNRVTF SASSDSQVMQNN SIQHAKMTMAQWQSMRSTGTMHSSAAETVDPLAASVY
DTV RAGATYCGMCIEPRHF PKAGSLRNPFRSNI FSEQQRQQRQQQKVS DSGRFSGMDGH
EEHQLWQHDASSASQGTWQPSYQQMQLRQPEVQDKQQQPQQMAV PFFPYK PETHACSG
ILEIQDQQQGEDTLEE IPTVGLANVCADDEM VYDDRAI IPSPPKDLKAHVSDLFTSFFSG
DSAPSNNDRNTT TYS SHAENGGDFAAPPLKGLSAQISDLFTSFFGKDQRSANNMNGKRTA
TSGNRAANGDDCVMPPSPPKGLTAQMSDLFASFFKEDGSTRGRKNSSGRNKNQNFNWI SH
SAADIDDSPLPLPPGGTFEGGLMRSISSSLFSLVEHPSMVLNMYKSSVSSPAQTAFTYQK
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>comp15399_c0_seq1; 396 195 1292 LEN=2104; translated
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PHIKPFDLRLNGVSYFAMPKIFELGGPRMIVRPVKGKGTQGGYSGGQRNEEVYVSPAER
EAI AAKLASMQDLQRSAPAQAPVADLLSFDAAAPAQAPVGAYGHQPPQPQYSNYSLGSS
VASQPQQPPAAYGAQPGGSFSYGGQPPPPQQQAYYGQQPPPPPGQGSFYGQQPPPALAP
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>comp15400_c0_seq1; 627 644 3129 LEN=3312; translated
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SCPLTIFSI LAGLLSGVTSCLLIPWRSAPLKCQAEFALILVITWAAAIATLTFGAGPAVS
INTMYFGIYISFSIALNILVTTLYADSVLEAS PFSQVEFGMTE SERAKDEIGMAGFLNMA
YDNMTK SQPVL DHHDDPRNTDASLAILFD TLDGSSSLGSDNGDAHSNLLVGRDTSFNK
NVI V GKRN LGRIE IWFILMVESIVSLAVFYGLLDGHDPIRDQWIVFAPILSIAFCFIGWI
ASTVQMKWANILEGILVGPIS SKQHKITNSGSKNSKCANAYLDFDFCRFICVRTFTKTHT
VFFSIFHADTCGDLDNIMHYNMDPGLIAVTTYFRDDSDAGVD TNKVIAMETMTANQLFMS
YGSFFTSLYLLTNWSNASVTTTDWIFSFATSGTVFGLVYLILDEEEFKCFRDFGKCGQLE
VLIMAALGSTLLSLVMVVSFLPPCGRFMPFIHFIIGTIVLVCWCVTSYFIVFRKDGVGS
QIGPAFFACWGVLFVSVDIVSTNMLLLCKIRSDQGG EEDANLSLSISDGDECFEDEQNTH
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EMIDVIDCSEHDGYQYWNGGLIETAPSSQVIRERSVDSQNTDQEQSSTNTTDCADCSQHN
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>comp15400_c0_seq2; 711 644 2953 LEN=3136; translated
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SCPLTIFSIAGLLSGVTSCLLIPWRSAPLKCQAEFALILVITWAAAIATLTFGAGPAVS
INTMYFGIYISFSIALNILVTTLYADSVLEASPFVQVEFGMTESEERAKDEIGMAGFLNMA
YDNMTKSKQPVLDDDDPRNTDASLAILFDLTDGSSSLGSDNGDAHSNLLVGRDTSFNK
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GSQIGPAFFACWGVLFVSDIVSTNMLLLCKIRSDQGGEDANLSLSISDGEDECFEDEQN
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RSEMIDVIDCSEHDGYQYWNGGLIETAPSSQVIRERSVDSQNTDQEQSSTNTTDCADCSQ
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>comp15401_c0_seq1; 513 324 3092 LEN=3553; translated
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PITLVGKKEALCKDPFMRQGESMTGGAVEMLKEVEAVNKAATDNGGTPRTYVVTIPMNV
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GNDARMRTGKVSLLVAQKAVVDSKYVDKNYQGTGQTKTLFSYANIESVQSKSLNDKVEWF
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LTVFDPNELELILCGIPTIDMEDWTKNTKYSGIFESTAENNPVVKWFWDVVKEDFDQEMK
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>comp15401_c0_seq2; 513 201 2969 LEN=3430; translated
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>comp15402_c0_seq1; 932 203 3040 LEN=3218; translated
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VEVLGLSNVEFDSGDKMIVTGRAKIRADPDAPIVTSTFKLRKIGTRKNGQVIKLEPEL
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SIFIRNGKLRFEMSVVLPRGRFLGNHYLAFTVPQRTFIIITMDRVWNGIRAARENKQVVER
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>comp15403_c0_seq1; 805 116 2431 LEN=2587; translated
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>comp15404_c0_seq1; 571 197 2381 LEN=2427; translated
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VAISTGL

>comp15404_c0_seq2; 610 439 2520 LEN=2680; translated
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>comp15404_c0_seq3; 610 428 2509 LEN=2669; translated
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>comp15404_c0_seq4; 571 428 2612 LEN=2658; translated
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VAISTGL

>comp15404_c0_seq5; 571 439 2623 LEN=2669; translated
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STLMKMWREERKEADAFTEDDATNEMYSKASRKEVESPSNSWTSPPRKAFSSDLALVYG
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VAISTGL

>comp15404_c0_seq6; 610 197 2278 LEN=2438; translated
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>comp15405_c0_seq1; 110 257 537 LEN=537; minus strand; translated
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>comp15405_c0_seq2; 627 1 1761 LEN=2198; translated
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>comp15405_c0_seq3; 667 1 1791 LEN=2228; translated
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TDTNTTSSHKDHHRVPMVRLDDMFSGYLDLYYDEVVRTLAFDDEACCGSTLEAPPGP
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>comp15405_c0_seq4; 1485 1 2620 LEN=2721; translated
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>comp15406_c0_seq1; 759 1 1645 LEN=1922; translated
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VYDVFYLENNDDSDNNVHEASNGNPAGSGDGGTISEPLGYVDAYGNNNILTAELSSGVGY
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>comp15407_c0_seq2; 159 528 902 LEN=1803; translated
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FVPT
>comp15408_c0_seq1; 822 1 2675 LEN=2873; translated
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>comp15408_c0_seq2; 723 1 2435 LEN=2633; translated
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GDGENESPSEHHSSENDGQQTEPPWPREVGVSLAVATVRKMNTHAVLRQEQVFYYPYGD
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NNRDFGVLIIFLSIQDRVCFISTGNAISNVLPWWRLEHIVASMKPDLRHRDYGNAILTAID
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>comp15408_c0_seq3; 491 1 1543 LEN=1741; translated
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KRSNNRDFGVLIIFLSIQDRVCFISTGNAISNVLPWWRLEHIVASMKPDLRHRDYGNAILT
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GMSRVDSYGIPLNGADRKKIKFLRCGHIFCESCWKSWIRSGHGNPCICPVCRQDVGRSSS
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>comp15408_c0_seq4; 735 1 2423 LEN=2621; translated
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GEPGNEPRGSSIPRGMPLMASYPFNSQMSPISSMVRNRNSGNDGQNDSDNDDGSDTAK
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>comp15409_c0_seq1; 438 421 2295 LEN=2917; translated
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>comp15413_c0_seq1; 873 169 3419 LEN=3467; translated
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>comp15414_c0_seq3; 441 1 1300 LEN=1716; translated
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SIAAEYDDES VVARCMTVDRCEFEIQLYRSSSPATSFLGGDDFDVTMADLGTLPSTTYN
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>comp15415_c0_seq2; 621 281 3963 LEN=4074; translated
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>comp15416_c0_seq1; 1325 433 3231 LEN=3353; translated
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>comp15416_c0_seq3; 971 433 1996 LEN=1996; translated
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>comp15418_c0_seq3; 554 395 1468 LEN=1846; translated
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>comp15418_c0_seq4; 995 395 3049 LEN=3286; translated
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>comp15420_c0_seq4; 407 1 924 LEN=1432; translated
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>comp15421_c1_seq1; 291 1 577 LEN=1575; minus strand; translated
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>comp15422_c0_seq2; 171 3269 4144 LEN=4144; minus strand; translated
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>comp15422_c0_seq3; 389 450 1325 LEN=1325; minus strand; translated
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>comp15422_c0_seq5; 389 1743 2618 LEN=2618; minus strand; translated
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>comp15423_c0_seq1; 231 123 581 LEN=2620; minus strand; translated
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>comp15423_c0_seq2; 231 123 581 LEN=2797; minus strand; translated
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>comp15423_c0_seq3; 231 123 581 LEN=2718; minus strand; translated
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>comp15423_c0_seq4; 231 123 581 LEN=2541; minus strand; translated
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>comp15424_c0_seq1; 3719 1 7753 LEN=8048; translated

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QMOKVTLNHHEEMSQKEARIESLTSEMKAQADNLRLCDQINSYTHQIQRLSSISEELDA
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LAQSVNDMESEKNAIELRFEFKEAHAKSQSDSASALNAMKEEARMKNMQSELKQLRIQ
LQNTTAGMQNSENECAILSKKCSALEDEIVRLREVAAQVDR LQQDLGQFHEKNKSQESLI
QSLESSRSENERNLSRKAEEIMILQEQQRSQSFSIAEIESEKTQLLTQLQTLNAYITELE
SENVDIKDKTATLFLQREEMEELT SERDEMQNAMENLVVENEMLVQFGLLNEEMDEKEN
EAAQLREELDSRAIEVEELQMAATKYEELVRRDEKYEELQRKIQTHKEELQRKISIEG
ELENLQLAQOTTQEYEDRLKMSEKKLNALIRESEEMTKNVGNVDDNTKKLVEVNSALRD
KIGEMKSEQSAAAEQIQAMESHKLGLNGKVEDLQNLVDVLI VSFETKEGKLQATIDDARL
QKNEIVKNSIAQESEIAQLRQQIQVLEGHAEQSETLRRTLSE TENKVSEYERLLLQKDA
AQDLYNQLQSKGDAPVESAELEMLRQRVQDMETSVAIEKEELREMSVKCDRSEQELARVT
EQLQSSEENVQQLQDDLHLMKDTEATNEMLESRLAQLEDEL MCSR AEQTKLRE EASDLRA
GLKNKEETSTKQENNVSVEIMALRCQVEALQCEKDMTSSEAFAREEALERELRALQDRVV
QKDDQIASMEKQLQLVSDLFDSRVEACSQMERIDELTAE LERVQSILTTTSSSALDIA
RQAEANINTMQSQIVWLAQTLNSETKRAEAIETIEKERQ RNADTLRRMTDTMKRFYATL
KIGN

>comp15425_c0_seq2; 320 1214 2278 LEN=2607; translated

MFSKTFILLSWLASPVVIVAFRGTENPTGLKGLTPLVLKEPRVIASEVDEMKNLITMDT
MSEVGKAITADDMARGASARKRIEIGIFNAPSDYVEEYWYNPTIHTFGNIGIFGGFHAAL
APISTKIIDMVAYDGEDIRSTVAQKLSRIVEARTSRCGRPARVLD MCCGVGISTRALQDA
FPDSDCVVGLDTSPEMVNMANFLTTHLSFVKPLMALVIPDKSKKNKKNLLARNWGFSSR
RAQFFTANAERTNFPSKTFDLVTVMYAFHEAPEIGREKILQE AHRVLQPGGT LAVIDIST
DYTPSKPMLAGEPYVLEYQKNIHRQMRSLKGFTKVQYQHLVQDHVGIWILKRTN

>comp15425_c0_seq3; 320 1472 2536 LEN=2883; translated

MFSKTFILLSWLASPVVIVAFRGTENPTGLKGLTPLVLKEPRVIASEVDEMKNLITMDT
MSEVGKAITADDMARGASARKRIEIGIFNAPSDYVEEYWYNPTIHTFGNIGIFGGFHAAL
APISTKIIDMVAYDGEDIRSTVAQKLSRIVEARTSRCGRPARVLD MCCGVGISTRALQDA
FPDSDCVVGLDTSPEMVNMANFLTTHLSFVKPLMALVIPDKSKKNKKNLLARNWGFSSR
RAQFFTANAERTNFPSKTFDLVTVMYAFHEAPEIGREKILQE AHRVLQPGGT LAVIDIST
DYTPSKPMLAGEPYVLEYQKNIHRQMRSLKGFTKVQYQHLVQDHVGIWILKRTN

>comp15425_c0_seq4; 320 1214 2278 LEN=2625; translated
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APISTKIIDMVAYDGEDIRSTVAQKLSRIVEARTSRCGRPARVLDGCCVGISTRALQDA
FPDSDCVVGLDTSPEMVNMANFLTTHLSFVKPLMALVIPDKSKKNKKPNLLARNWGFSSR
RAQFFTANAERTNFPSKTFDLVTVMYAFHEAPEIGREKILQEHRVLPQGGTLAVIDIST
DYTPSKPMLAGEPYVLEYQKNIHRQMRSLKGFQYQHLVQDQHVGIWILKRTN
>comp15425_c0_seq5; 320 1472 2536 LEN=2865; translated
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APISTKIIDMVAYDGEDIRSTVAQKLSRIVEARTSRCGRPARVLDGCCVGISTRALQDA
FPDSDCVVGLDTSPEMVNMANFLTTHLSFVKPLMALVIPDKSKKNKKPNLLARNWGFSSR
RAQFFTANAERTNFPSKTFDLVTVMYAFHEAPEIGREKILQEHRVLPQGGTLAVIDIST
DYTPSKPMLAGEPYVLEYQKNIHRQMRSLKGFQYQHLVQDQHVGIWILKRTN
>comp15426_c0_seq1; 629 384 2047 LEN=2047; translated
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DLATDADTDTDVIGIKQRKGNKNTSEKEQHLRRKKLARELQHRIRLQEQRMLQQNSLYDDD
GNNDEHRDDNEWRTSEGSQAGSESNHGYSDSDQRTSAAAQDHPHSVSSSGASSFDHALG
VNSNGSFYFTSLNDVDRSIGKDSQGYSSHSHSSSVGGSPAGSSSKPAKQTPSFQGTAG
TEPPLLPHPSSPAGDDDIETGRRQGAALGGLLLCGSGGASGLSTLACGTTNARAKAKT
TPGDETTGGGTTGPEQRYSLTVLDVDDDDVSLLEKGSDESASLVDDDDSVFRTEPTNEC
ILPACTGKKSRRTRTPRQLRANRSENRNTPKNSNNTSKHRRAIRPRILLLVGVAI
VFVVGAGTAGVQKNRRSKNDSAGSSSNDDNNEATPTTEGGNQAINGYRNNSTSDDIPV
ATATATANETATATATASETATTDGPEIVGENTGVASANNATENATSGGAADGNDGGDKQN
EIDDKNNSDNEIKDX
>comp15426_c2_seq1; 357 1 691 LEN=887; translated
XNNNDNNSNNNGGDGAGTEKMDVLTSSWYAVEWFGKAFGRGNPGSDRSGDGESEKG
GERATDRSAPPVSLAETLDRIGADNDRSYFLSGDMDVEIYEKDCVFADPFVVFAGRDRFV
ENLENLGSFVTKYETRVLPFRGPGKASETSAGASNEPETESEPETTTTTTTTTTRLMVKLELN
LPWKPVLAWPWGVTYITDKDTFLVTKHVESWEIAPLEGVKMIFRKPTARF
>comp15426_c2_seq2; 350 1 664 LEN=860; translated
XNNNDNNSNNNGGDGAGTEKMDVLTSSWYAVEWFGKAFGRGNPGSKGGERATDRSA
PPVSLAETLDRIGADNDRSYFLSGDMDVEIYEKDCVFADPFVVFAGRDRFVENLENLGSF
VTKYETRVLPFRGPGKASETSAGASNEPETESEPETTTTTTTTTTRLMVKLELNLPWKPVLAW
PWGVTYITDKDTFLVTKHVESWEIAPLEGVKMIFRKPTARF
>comp15427_c0_seq1; 902 87 1763 LEN=1949; translated
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IWM SMVEGGQCSLVGLPPIDRELYRESHPIITYKITGWGHKGDNDRYLMGRQFMVIFIN
TIGLGCAPLQGAEVLGLPDWVTAIFLGSIAMVLQNVVVGQLTSQVNASHCMLDYINNHF
MTFTYVVAAGIEVTGVMHTSYLIRMMAYWAAGKPVESNEPPKTGFTLLFFWARVLFSLGV
LGFALAVTIEALYRGKTSAWDSIPETVSLFLFFILMCCVGLLEGMQIAFFTVAKLPKSER
GSSQMALRTCHTLFKDGGKNLPGFMCGRQMTVTLCFFVIARVTTVNIVIGEDENIFGVSD
PIQKMLNLGFMGAITTTILGSIWQLVASSFP IAFLSNP I V F V F L Q A A L F L E A T G I C Y A A
WFLAWCQRKVMGFQYDEVYVGTPEERAAGHADDNHDNDLATFLPASGIGTDDLAAR
FKPLSVMQETYSGRREHILSNIKELRTHIAEAVTEDEKEAFETALKLEIDCLARLNTSEM
ESKRFDEADKMDAISEEP
>comp15427_c0_seq2; 864 93 1793 LEN=1948; translated
MAVHNESHGISTPLDKIRIVFSLVLLVFSIVVLLALIGTGNTQLARDVHPIAAGVIMWSL
I I W M S M V E G G Q C S M V G L P P I D R E L Y R E S H P I T Y K I T G W G H K G D N L D R Y L M G R Q F M V I F I N
FTIGLGCAPLSGAKVLGLPDWVSAIFLGSIAMVLQNVVVGQLTSQCNASHMMLDYINTH
FMTFTYVVAAGIEVTGVMHTSYLIRMMAYWAAGKPVESNEPPKTGFTLIFWGRVLFSLA
VLGFALAVTIEALYRGKTSAWNGIPETVSLLLFFILMCCVGLLEGMQIAFFTVAKLPKSE
RGSSPMALRTCECLFQNGGRNLPGMCGRQMTVTLCFFVIARVTTVNIVIGEDENIFGVSD
DPIQKMLNLGFMGAITTTILGSIWQLVASSFP IAFLSNP I V F V F L Q A A L F L E A T G I C Y A A
AWFLAWCQRKVMGFQYDEVYVGTPEERAAGHADDNHDNDVANLDLGTNVPAAHVAVGAPRITR
EYMDLVEQNFTNQREKVMENIAELREQIKVAVTDEEKAVFEEAMKLEISILKSINEKQSE
SMRDL SKLMGDDDDIEAGDAPVVVEP
>comp15427_c0_seq3; 834 93 1778 LEN=1938; translated
MAVHNESHGISTPLDKIRIVFSLVLLVFSIVVLLALIGTGNTQLARDVHPIAAGVIMWSL
I I W M S M V E G G Q C S M V G L P P I D R E L Y R E S H P I T Y K I T G W G H K G D N L D R Y L M G R Q F M V I F I N

FTIGLCGAPLSGAKVLGLPDWVSAIFLGSIGIAMVLQNVIVGQLTSQCNASHMMLDYINTH
FMTFTYVWAAGIEVTGVMHTSYLIRMMAYWAAGKPVESNEPPKTGFTLIFFWGRVLFSLA
VLGFALAVTIEALYRGKTSANGIPETVSLLLFFILMCCVGLLEGMQIAFFTVAKLPKSE
RGSSPMALRTCECLFQNGGRNLPGFMCGRQMTVTLCFFVIARVTTVNIVIGEDENIFGVSD
DPIQKMLNLGFMGAITTTILGSIWQLVASSFPPIAFLSNPIVVFVFLQAALFLEATGICYA
AWFLAWCQRKVMGFQYDEVYVGTPEERAAKDHADDPDAQAHLDLGTNVLEANVNAGLDIS
WAEGDFTMRRVRILQONITNLREQIKLSVTEDEKAAFEHSLKIEIANLTRINKEQAKSYGE
STLSLTAEVPAEVEESAEQTV

>comp15427_c0_seq4; 893 87 1769 LEN=1929; translated
MSASHSGTNTTLDWIRIVISLFLVIFSI VVVLAL IATGNTQLARDINPIAAGVILWALI
IWMSMVEGGQCSLVGLPPIDRELYRESHPITYKITGWGHKGDNLDRYLMGRQFMVIFINF
TIGLCGAPLQGAEVGLGLPDWVTAIFLGSIGIAMVLQNVVVGQLTSQVNASHCMLDYINNHF
MTFTYVWAAGIEVTGVMHTSYLIRMMAYWAAGKPVESNEPPKTGFTLLFFWARVLFSLGV
LGFALAVTIEALYRGKTSAWDSIPETVSLFLFFILMCCVGLLEGMQIAFFTVAKLPKSER
GSSQMALRTCHTLFKDGGKNLPGFMCGRQMTVTLCFFVIARVTTVNIVIGEDENIFGVSD
PIQKMLNLGFMGAITTTILGSIWQLVASSFPPIAFLSNPIVVFVFLQAALFLEATGICYAA
WFLAWCQRKVMGFQYDEVYVGTPEERAAKDHADDPDAQAHLDLGTNVLEANVNAGLDISW
AEGDFTMRRVRILQONITNLREQIKLSVTEDEKAAFEHSLKIEIANLTRINKEQAKSYGES
TSLTAEVPAEVEESAEQTV

>comp15427_c0_seq5; 923 87 1784 LEN=1939; translated
MSASHSGTNTTLDWIRIVISLFLVIFSI VVVLAL IATGNTQLARDINPIAAGVILWALI
IWMSMVEGGQCSLVGLPPIDRELYRESHPITYKITGWGHKGDNLDRYLMGRQFMVIFINF
TIGLCGAPLQGAEVGLGLPDWVTAIFLGSIGIAMVLQNVVVGQLTSQVNASHCMLDYINNHF
MTFTYVWAAGIEVTGVMHTSYLIRMMAYWAAGKPVESNEPPKTGFTLLFFWARVLFSLGV
LGFALAVTIEALYRGKTSAWDSIPETVSLFLFFILMCCVGLLEGMQIAFFTVAKLPKSER
GSSQMALRTCHTLFKDGGKNLPGFMCGRQMTVTLCFFVIARVTTVNIVIGEDENIFGVSD
PIQKMLNLGFMGAITTTILGSIWQLVASSFPPIAFLSNPIVVFVFLQAALFLEATGICYAA
WFLAWCQRKVMGFQYDEVYVGTPEERAAKGHADDNDVVANL DLGTNP AVHAGAPRITRE
YMDLVEQNFTNQREKVMENIAELREQIKVAVTDEEKAVFEEAMKLEISILKSINEKQSES
MRDLSKLMGDDDDIEAGDAPVVVEP

>comp15427_c0_seq6; 843 93 1772 LEN=1958; translated
MAVHNESHGISTPLDKIRIVFSLVLLVFSIVVVLALIGTGNTQLARDVHPIAAGVIMWSL
IIWMSMVEGGQCSMVGLPPIDRELYRESHPITYKITGWGHKGDNLDRYLMGRQFMVIFIN
FTIGLCGAPLSGAKVLGLPDWVSAIFLGSIGIAMVLQNVIVGQLTSQCNASHMMLDYINTH
FMTFTYVWAAGIEVTGVMHTSYLIRMMAYWAAGKPVESNEPPKTGFTLIFFWGRVLFSLA
VLGFALAVTIEALYRGKTSANGIPETVSLLLFFILMCCVGLLEGMQIAFFTVAKLPKSE
RGSSPMALRTCECLFQNGGRNLPGFMCGRQMTVTLCFFVIARVTTVNIVIGEDENIFGVSD
DPIQKMLNLGFMGAITTTILGSIWQLVASSFPPIAFLSNPIVVFVFLQAALFLEATGICYA
AWFLAWCQRKVMGFQYDEVYVGTPEERAAKGHADDNDVNDL DLATFL PASGIGTDDLAA
RFKPLSVMQETYSGRREHILSNIKELRTHIAEAVTEDEKEAFETALKLEIDCLARLNTSE
MESKRFDDEADKMDAISEEP

>comp15428_c0_seq1; 455 1 1492 LEN=2678; translated
XKTNNDEFGLGIQYDTEADYFDAAYMYDATALGMSACRAIGHNKAFNAADHFSNLTEGL
RFRGATGEVTFNNKGRTRYESTFYELVNYVTEDVVDENTGKNFVGLKTHTTNIYRNGSWI
DVDESFIYSNGETEKPNALRERRES DSSGLAKKMKITALILSVLSII SAIGFGIWTWCHR
FTRVIQASQPFFLYLVVFGVIMVGGSIIPFCMDDTQFSFDAMNKACSAVLWLLFPGFSII
FSALFTKTYRINLIMKHSRSFRVTVTIRETLTMAVMLLNFNIAILTMTIRNPPQYDRK
VSRLDHLERVAETYGTGCVWNQIHYIAALLAINMVIATLSAYQAWEARKLSTQFAESQYI
FASLLISLTLFMVGLPVFALAGQKPEILFFVYGGALFLFCMETLLLLL FAPKIHYYWKKKE
FSKVNISGIDLNIRTNGDRSNDYKGMIVTKK SATELARRVNDLELLLQKKEELEEHEKA
KQIEITNTSTEHNVIDP

>comp15428_c0_seq2; 96 335 784 LEN=1558; minus strand; translated
MLQE QEDGRNRAQKTSATTASEPTTTGEGAPDPKRTPNPGNTRKVFYTTCREGMANEYIR
RHNDIPPEVCAGLRTAGIAFLSIHKLPGASNVLVLT IETAGSNLNLGRATGPGSVYRQNP
VCQKWEVDMETHYHNGWTEMEEIHSSDVEW

>comp15428_c0_seq3; 283 1 843 LEN=859; translated
XKTNNDEFGLGIQYDTEADYFDAAYMYDATALGMSACRAIGHNKAFNAADHFSNLTEGL
RFRGATGEVTFNNKGRTRYESTFYELVNYVTEDVVDENTGKNFVGLKTHTTNIYRNGSWI
DVDESFIYSNGETEKPNALRERRES DSSGLAKKMKITALILSVLSII SAIGFGIWTWCHR
FTRVIQASQPFFLYLVVFGVIMVGGSIIPFCMDDTQFSFDAMNKACSAXPLVVVSGVFDN

FLSTFHENLPYQFDHEALQKLSQGHSDYSRNSYNNGSYVAL
>comp15428_c0_seq4; 635 30 2170 LEN=2186; translated
MTSTWPSLWPI SNATYVSVEQLIDDLPKTSVLYTLPAFDSIFRDL PADLITRDVYHHQVN
NVIKINEEDMLEYNSSDSGSEYMEIPHCHFVGM LPFVFDSPWSANISSVSI ELAQAMALG
IQHLNTGDSSLVSSLGDLRESSCSDMI FTMEYADPGNDPGGAIDK VLEIIGRRDGHKKPC
SFLASTRSELTMPAALLSGNKGFME LSSSSTSTLLDSV SQFPYFARTVPNDRDN IKPIMD
YFGKEIELEYLAL IHMNEPYGNSVGEALLRERENI IQDREKSSNAPVIRRF SIDSTGTAM
DATLRALENSQFTFIIAAMP TMHFYHKL METAYDMGLVGNIGGAGYYQWYFTDSFWAPAS
SMKLSPKLAIAYNGTGMFTPSAGRLENETS YNGFVQELGKLDKSS EDRNYI SALIPQNRN
HLEQSPENLYQGEKTNNDEFFGIQYDAEDADYFDAAYMYD ATIALGMSACRAIGHNKAFN
AADHFSNLTEGLRFRGATGEVTFN NKGTRTYESTFYELVNYVTEDVVDENTGKNFVGLKT
HTTNIYRNGSWIDVDESFIYSNGETEKPNALRERRES DSSGLAKKMKIT ALILSVLSIIS
AIGFGIWTWCHRFRTRVIQASQPF FLYLVVFGVIMVGGSIIPFCMDDTQFSFDAMNKACSA
XPLVVVSGVFDNFLSTFHENLPYQFDHEALQKLSQGHSDYSRNSYNNGSYVAL
>comp15428_c0_seq5; 287 1 763 LEN=986; translated
XKTNNDEFLGIQYDTEADYFDAAYMYD ATIALGMSACRAIGHNKAFNAADHFSNLTEGL
RFRGATGEVTFN NKGTRTYESTFYELVNYVTEDVVDENTGKNFVGLKTHTTNIYRNGSWI
DVDESFIYSNGETEKPNALRERRES DSSGLAKKMKIT ALILSVLSIIS AIGFGIWTWCHR
FRTRVIQASQPF FLYLVVFGVIMVGGSIIPFCMDDTQFSFDAMNKACSAVLWLLFPGF SII
FSALFTKTYRINLM
>comp15428_c0_seq6; 807 30 2819 LEN=4005; translated
MTSTWPSLWPI SNATYVSVEQLIDDLPKTSVLYTLPAFDSIFRDL PADLITRDVYHHQVN
NVIKINEEDMLEYNSSDSGSEYMEIPHCHFVGM LPFVFDSPWSANISSVSI ELAQAMALG
IQHLNTGDSSLVSSLGDLRESSCSDMI FTMEYADPGNDPGGAIDK VLEIIGRRDGHKKPC
SFLASTRSELTMPAALLSGNKGFME LSSSSTSTLLDSV SQFPYFARTVPNDRDN IKPIMD
YFGKEIELEYLAL IHMNEPYGNSVGEALLRERENI IQDREKSSNAPVIRRF SIDSTGTAM
DATLRALENSQFTFIIAAMP TMHFYHKL METAYDMGLVGNIGGAGYYQWYFTDSFWAPAS
SMKLSPKLAIAYNGTGMFTPSAGRLENETS YNGFVQELGKLDKSS EDRNYI SALIPQNRN
HLEQSPENLYQGEKTNNDEFFGIQYDAEDADYFDAAYMYD ATIALGMSACRAIGHNKAFN
AADHFSNLTEGLRFRGATGEVTFN NKGTRTYESTFYELVNYVTEDVVDENTGKNFVGLKT
HTTNIYRNGSWIDVDESFIYSNGETEKPNALRERRES DSSGLAKKMKIT ALILSVLSIIS
AIGFGIWTWCHRFRTRVIQASQPF FLYLVVFGVIMVGGSIIPFCMDDTQFSFDAMNKACSA
VLWLLFPGF SII FSALFTKTYRINLIMKHSRSFRRVTVTIRETLTMAVM LLLFNIAILTT
MTIRNPPQYDRKVSRLDHLERVAETYGTCGWVNQIHYIAALLAINMVIATLSAYQAWEAR
KLSTQFAESQYIFASLLISLTLFMVGLPVFALAGQKPEILFFVYGGALFLFCMETLLLLL
APKIHYYWKKKEFSKVNISGIDLNIR TNGDRSNDYKGMIVTKKSATELARRVNDLELLL
QKKEEELEEHKAKQIEITNTSTEHNVIDP
>comp15428_c0_seq7; 639 30 2090 LEN=2313; translated
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NVIKINEEDMLEYNSSDSGSEYMEIPHCHFVGM LPFVFDSPWSANISSVSI ELAQAMALG
IQHLNTGDSSLVSSLGDLRESSCSDMI FTMEYADPGNDPGGAIDK VLEIIGRRDGHKKPC
SFLASTRSELTMPAALLSGNKGFME LSSSSTSTLLDSV SQFPYFARTVPNDRDN IKPIMD
YFGKEIELEYLAL IHMNEPYGNSVGEALLRERENI IQDREKSSNAPVIRRF SIDSTGTAM
DATLRALENSQFTFIIAAMP TMHFYHKL METAYDMGLVGNIGGAGYYQWYFTDSFWAPAS
SMKLSPKLAIAYNGTGMFTPSAGRLENETS YNGFVQELGKLDKSS EDRNYI SALIPQNRN
HLEQSPENLYQGEKTNNDEFFGIQYDAEDADYFDAAYMYD ATIALGMSACRAIGHNKAFN
AADHFSNLTEGLRFRGATGEVTFN NKGTRTYESTFYELVNYVTEDVVDENTGKNFVGLKT
HTTNIYRNGSWIDVDESFIYSNGETEKPNALRERRES DSSGLAKKMKIT ALILSVLSIIS
AIGFGIWTWCHRFRTRVIQASQPF FLYLVVFGVIMVGGSIIPFCMDDTQFSFDAMNKACSA
VLWLLFPGF SII FSALFTKTYRINLM
>comp15429_c0_seq1; 357 1 1991 LEN=2513; translated
SRRNDTPCTSAVWNVDKETQRRGYTKTQHSTITITITMIAANSFSLHELK GKISSARRHNW
NAFFVGFLALAAVACGIAVYAAGVVV PKLHDARDMSHGKQHPSFDAPDLKRHNAQHKHEF
ESAYHMPDRKVL DREVEESLEAEKKEHNQLRAQPAAEKQKAGFSTTDAGSKTEIRGDAAN
QKYHMFVSTSCSGFQNWQALAFFYFAHKVRQPGTVTRLVSGCTDEEEKLKKIHKERVVP
LQIPGLQTFEMHVTPGFDDSGGGSQKYWNKPNGLLHWMEESLGF DGKSDHEDDDAIVII
DPDMMLLRPITADFS SKNYAGWATSKNTKEHVANNMSPVDYSHDVVTHGRPHAAQQYGF
SNWLTSLKGRLEEVGPDSPALKLSLDDANDYYPAGPPYLATAKDMYQIAVHWVKFLPKV
HEIFEPFMCEMHAYSVA AAHLELPHKLG VGMVSDVDSDEEFGFVDKLM PSEVCMAPXAL
EATESGQAIDLTDSTTMVDPVYKEVGIATQQLPFVLHYCQRYALGRWFFSKYKLREDIFT

NCTAPLLREPPRNVAELYQWYIFPNGIEKLNFAVKDEKWKQEGLRVKHLRHGWLLCAVL
YINGAIEAYKTETCQDNDAFQKTWHFHDEVLFDKMITDPSIPSDLFEPDAKTDAGTSG
GTQ

>comp15430_c0_seq1; 620 147 2558 LEN=2839; translated
MATVGEIPCFSPHADARPFCSRASCCSRQRDRPESSSFWKRRNPTLQLLTTPWEYFV
TIDQSALWQKHIAWAKPRGSDLKAYISSQYSSRMVLLSLLLATEMSVFFNSSPELINLRQ
RLSLFNDGHDSNYMGQQQLRSFLPFWIGFVLLLNICVTISGILATFTTWNVVS AISDSN
AHCLLRSSLGQYVTTLSRPLFVASLYMFLWFLFVFTQLIVGGNVFFDSENASESIRQF
FKRHLHLILLWCVLFGIVTLFFSIVVPLSAFGRLVLHTGAMGEKNVLSSESLQLDLLPHG
LHAGLVIRAHHSQRNTAVTNQYNRSRKRQRRMQPSAHHQLSQNHNNDSCDREHQQRSN
IASPIGLFHGGEGEPSKDDGWGNPKHRIENGNKVNNTFYEGVHESEHSNHDGTTSSVI
FKGLEPEMELSLETPAVSDSNSGSKHDRVEDCDSFSRHYEELGANRSKARTRATDVGGNL
FVFDREPEDDTRERPDFLPRDKPHGRSRRHQRTLTMETTSLFLPPATILNLSMTANEFNE
LIDSAMDTSSLCYTNSPANKTRTTSGREKGENHGNEPDRLATAGNRSERKEKGRGAAG
AFESQRFESNRGGASEGEPHATSAAESAGVRASPFVSTSGTSPRPHRERQQQAFVTRHH
RRVSSSRFLLHEWKEEHSVRGTYGAAPPADLPEEIAWETEAAKGRSGPAGGGGSGHRIPS
ASNRGRSLGDWLLSPFSSPLGNCHGSDRRTGPGSFSHQRRGGAEGGATQGPFSRGLPSEP
LLPDLDTDGNNGSDCDEETGGLL

>comp15431_c0_seq1; 449 286 1377 LEN=2454; minus strand; translated
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VTSGILVFAKDTLTASTLSEYFTKGIQKVYFGMSAKKPQKKKQGLVQGGMTRSRNKS
LLRKPKEGKPKQRNFAKTRFFTTGIQANQIIDQGGDVINAMSKVKTVMFRPYTGRTHQL
RVAAMGPIPLGDPYKDGVDKNTGEDI ELAATRMLHASGIHIPKFLDQAEINWVC
SPTFFHVDVQSMQDALDCSNISSKMASLADSLDVAVSKLMTKNCDVPGILEAMMTQQSKK
KQH

>comp15431_c0_seq2; 449 159 1250 LEN=2327; minus strand; translated
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RKPHGIGHDESSSFAALDNKDQRHEALSTPGVLRLLRSEQRQRDEEGERLYGVHRLDK
VTSGILVFAKDTLTASTLSEYFTKGIQKVYFGMSAKKPQKKKQGLVQGGMTRSRNKS
LLRKPKEGKPKQRNFAKTRFFTTGIQANQIIDQGGDVINAMSKVKTVMFRPYTGRTHQL
RVAAMGPIPLGDPYKDGVDKNTGEDI ELAATRMLHASGIHIPKFLDQAEINWVC
SPTFFHVDVQSMQDALDCSNISSKMASLADSLDVAVSKLMTKNCDVPGILEAMMTQQSKK
KQH

>comp15432_c0_seq1; 631 37 1674 LEN=3151; translated
MKFRSTFAAALGIVNAVSMIAMTILKIATTNIVVTIGVPPVANAKKAPELFETALKVHKVY
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>comp15432_c0_seq2; 631 37 1674 LEN=3242; translated
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>comp15434_c0_seq2; 324 1 1118 LEN=1261; translated
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>comp15435_c0_seq6; 606 136 1993 LEN=1993; translated
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>comp15435_c0_seq8; 513 1 2021 LEN=2021; translated
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>comp15438_c0_seq1; 702 580 3021 LEN=3307; translated
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>comp15439_c0_seq2; 971 102 2958 LEN=4153; translated
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>comp15440_c1_seq1; 389 1 2450 LEN=2578; translated
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>comp15441_c0_seq2; 767 555 3713 LEN=4014; translated
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>comp15441_c0_seq4; 369 150 1448 LEN=1749; translated
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>comp15441_c0_seq5; 880 555 2633 LEN=2676; translated
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>comp15442_c0_seq1; 353 180 1303 LEN=1303; translated
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>comp15442_c0_seq2; 1641 180 4763 LEN=5217; translated
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>comp15443_c0_seq1; 344 530 1468 LEN=1523; translated
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>comp15443_c0_seq2; 344 485 1423 LEN=1478; translated
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>comp15443_c0_seq3; 561 530 2374 LEN=2610; translated
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V EVLLTSADV D VNEGDYDKRTALHLAAGEGHADIVRLLCRHKANVNTEDRWGNRPLDDAL
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>comp15443_c0_seq4; 561 485 2329 LEN=2565; translated
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Y RCRWRDIMVAAK CIRTAKVQKDWA IKQALQQLQDGVDAADVIDEIDAVQIPEADK
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>comp15443_c0_seq5; 251 65 1197 LEN=1224; translated
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>comp15444_c0_seq1; 395 1 1646 LEN=1674; translated
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>comp15444_c0_seq3; 401 231 1332 LEN=1360; translated
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>comp15444_c0_seq4; 1103 363 3161 LEN=3357; translated
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>comp15444_c0_seq5; 303 1 851 LEN=1247; minus strand; translated
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>comp15444_c0_seq6; 303 1 851 LEN=1165; minus strand; translated
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IHTVSAVLYYLLSAGFPLLYLGWVTVTIWRKKLVPSGLLSSLASRHGRGLRELAMYFRI
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>comp15449_c0_seq1; 858 219 3122 LEN=3330; translated
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>comp15450_c0_seq2; 337 1 1030 LEN=1493; translated
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>comp15450_c0_seq3; 478 333 1538 LEN=2001; translated
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>comp15450_c0_seq4; 630 109 1951 LEN=1951; translated
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>comp15450_c0_seq5; 999 109 2871 LEN=3334; translated
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LAMYN YHDS SNGDDDDENGN S NATENPNSREKPSAAKSPPLI LHDILGNGGVGRRETS
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RK FQTENCVIPSWTLP IEFYIDEHNERKKMEQGDGGA EVKIGIGDFLGETCKPVLLRELA
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>comp15451_c0_seq1; 640 146 2413 LEN=3189; translated
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MVD DSFSQALLNLSFNDRNAIHEE IHGVSCMAPDEDAPGFHQLRAQVLYAMNIELNSIQ
QKPAFDRAQEMHRAAQGNSATSS IAYVNTDAFRLGFLRCELFDPKAAQRMVTYLELVN
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GQAVPMRVVAIHFLCPNKPIFAVFSRIYGM SLGAWSSRVSFHLGEGIEIRYK LKSYGIP I

ELIPSTDTGNVKHVNLKQWIKLREFFERYEASGGNGAQCSTFGQISSDSEDAMDI EY
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>comp15451_c0_seq2; 243 246 1449 LEN=2346; translated
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MDI EYSVGGNTQAMKQYLQMQQNQLNQVQQQQQQRQOPSHQLTLPRFFIVECPGSNDVIF
RRGKSMIYHPGNAMFQSLIESRLEAHTKANQSGKVAIVAELIHTIRGIKGRFLTWD SKH
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>comp15451_c0_seq3; 640 146 2413 LEN=3310; translated
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KVLMLWVVAEDVESQRKGMIVISYSGPQITKSASEEDASSNVKQKQKFHASRVTTHAVV
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>comp15451_c0_seq4; 243 246 1449 LEN=2225; translated
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MDI EYSVGGNTQAMKQYLQMQQNQLNQVQQQQQQRQOPSHQLTLPRFFIVECPGSNDVIF
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>comp15452_c0_seq1; 817 101 2568 LEN=2997; translated
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ALD T T L N S I D M L N F E Y I E N C T C S H T L K R I I R L L S E S K N K S P Q L V K T A I K R L T I A Q Q Q E T T
S A M T K N V P I V S S S S S M I N K I V S D D E K R E T S Y S N K D G L A A N L S R I T T A N T T L D S I D P C K S S
L N F S L S P S S T L H G M D F I E N S T P D L K M F D S G R E S I D R R L G P I V E S P M R L P L O P P C L T R H S D
Q R D K D I Q I S A S P K F T P C T T Q Q I K N L R K S L D E T N S D K K M L L A E I R K V T K E N E D K T R T L D I T
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Y I D K L L R T S H E S K E E D W E R H E L Q Y K Q V I H N L R K Q L L K Q D T V V S I D L Y K A E K D K V R E K V N Q
L Q T A E G R I N S L H I K L A E L Q K E K E L F S N S K R S P K G V H E F F V D D Q N A Q T P K N N R R G S L T P K G
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>comp15453_c0_seq1; 707 245 2299 LEN=3324; translated
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>comp15453_c0_seq2; 707 245 2299 LEN=3232; translated
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>comp15455_c0_seq2; 977 1 2991 LEN=2991; translated
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ELEQQRNPKKTEARSATKIKIPASDAPLSTGSGKSVEWIGALSNSLARIGTTPGSSKPKK
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>comp15455_c0_seq3; 490 1 1412 LEN=1412; translated
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>comp15456_c1_seq2; 240 1 1081 LEN=1081; translated
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>comp15456_c1_seq3; 510 1 1695 LEN=1751; translated
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>comp15459_c0_seq1; 885 139 2820 LEN=2990; translated
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>comp15461_c0_seq1; 215 1 1244 LEN=2617; translated
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>comp15461_c0_seq3; 249 1 1126 LEN=2499; translated
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>comp15462_c0_seq1; 1005 96 3029 LEN=3219; translated
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>comp15463_c0_seq1; 516 331 2566 LEN=3213; translated
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>comp15463_c0_seq2; 550 339 2483 LEN=3130; translated
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>comp15463_c0_seq3; 550 331 2475 LEN=3122; translated
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>comp15463_c0_seq4; 516 339 2574 LEN=3221; translated
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>comp15464_c0_seq1; 851 1 2328 LEN=2361; translated
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>comp15464_c0_seq2; 892 82 1773 LEN=2150; translated
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SAGPEPPPPTEDATVLAGFVEAGESFESAVAREVYEETGVRVDPDSIEYVASQPWPFPRS
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>comp15464_c0_seq3; 877 82 1761 LEN=2138; translated
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>comp15465_c0_seq1; 383 70 2477 LEN=3591; translated
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SVFCPSVSYKITVCTPRRESHHGGIGSCSSSNPQRSYEPQHQRPEPHGPVVRKNADGSI
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>comp15465_c0_seq3; 379 70 2465 LEN=3579; translated
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>comp15465_c0_seq4; 375 70 2278 LEN=3517; translated
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GSRVRF LPAASNETAGSARLPAGGTDAV LCCASGMEQKKQNEGNEPERIGPGGYRPGGGVW
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VFCPSVSYKITVCTPRRESHHGGIGSSNPQRSYEPQHQRPEPHGPPVVRKNADGSIHTTTT
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>comp15465_c0_seq5; 375 70 2278 LEN=3392; translated
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>comp15465_c0_seq7; 383 70 2477 LEN=3716; translated
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>comp15465_c0_seq8; 379 70 2290 LEN=3404; translated
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VWPGTDPALRERPHRVVSCRFEMEVP TNALRMNVTL SVVAARDRRRNGCGGGAPGSSES
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>comp15465_c0_seq9; 379 70 2465 LEN=3704; translated
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>comp15465_c0_seq10; 379 70 2290 LEN=3529; translated
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>comp15466_c0_seq1; 564 323 2299 LEN=2978; translated
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>comp15467_c0_seq1; 718 656 2071 LEN=3716; translated
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GAEYDMDTFAYCAFNTLRQFNGPKFAGQPTAAMSKLSSFLREKNLSFPIFMKRSLTKKNE
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WKAYLDKEVEKDHNAREGKQLSQSTIGARAKKLT YRKNLTDNDLIGILLELDEFYQGEI
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>comp15467_c0_seq2; 718 656 2071 LEN=3869; translated
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>comp15467_c0_seq3; 722 1 1944 LEN=2058; translated
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>comp15468_c1_seq2; 281 1 1027 LEN=1990; translated
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>comp15468_c1_seq3; 290 1 1158 LEN=2121; translated
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>comp15468_c1_seq4; 330 1 1179 LEN=2142; translated
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>comp15468_c1_seq5; 241 1 1006 LEN=1969; translated
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>comp15469_c0_seq1; 1645 1 3981 LEN=4036; translated
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DDSDSF

>comp15469_c0_seq2; 1960 96 4490 LEN=4545; translated
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PGLYKIFDEIIVNAADNKQRDPNMDKLDVTIDAETNEISVRNNGQGIPELVHQEENCYVP
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EGKRLVVS LNKKLPKSFQDYIKIYKNVNAPCAFEEKVDDMWEVGVSLSSQDGAFMQISF
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SSQTKFELTNRKADFNKCKLSDKFLKQVAKSDIVENILAFKFKQRELKKNNGKKKIK
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DATHAAVVKNEEIKNVVDILGLKYGTVYTEENMKELRYGHLMIMADQDHDGSHIKGLIIN
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EPDYMPVPIPMVLVNGSDGIGTGWMSKIPNYDPRQIIKNI RNMINNEPLEEMHPFYSGFN
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EVIIEEPTKTVSVDESDDDGLEVSLFDRLKLSKSASSDSSLAGSKRPSPKNGSKKAVPAKK
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>comp15470_c0_seq1; 551 205 1881 LEN=2023; translated
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DLRSLISSNDNLRGILDES GPEGNTGPFVSSVQSCYPISFRMRQKASKALQTIAREID
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>comp15470_c1_seq1; 1002 170 3061 LEN=5492; translated
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SIYQLGFSGLASADVYMPNESDADNTV FDAAVEKRSYLA EIQTGG EFTSLRNSLSSIFGV
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LDLEKNTRMRSVSKKPI SRSETSSLDIAFPQPKETLNRLYHLRRGPLISP GPMRAMDDR
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SMFIWTGANCTA QRYDGI RDKFKAHLLKISENRFPMPELHELSDGDSMGRRTARLAPSH
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LCE

>comp15470_c1_seq2; 989 170 3150 LEN=5466; translated
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KPKRCTAEALQCALELADASISNPSRTRSRVILFTNGCPNSGTANVVDPDVASEKLRKRNG
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LPLVSLDTPQLKKNLKFVIESTYVARSEDSVSTDDVNF LDGPECILDIRTDSFLTP TQMC
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>comp15470_c1_seq3; 597 170 1844 LEN=1844; translated
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>comp15470_c1_seq4; 955 71 3134 LEN=3514; translated
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PQLKETLNRLYHLRRGPLISP GPMRAMDDRAEQRRLFLRFPVKDCLIMMRPELWSTGCM
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FIWTGANCTA QRYDGI RDKFKAHLLKISENRFPMPELHELSDGDSMGRRTARLAPSHAD
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>comp15470_c1_seq5; 1002 71 2962 LEN=5278; translated
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LCE

>comp15470_c1_seq6; 989 170 3150 LEN=5581; translated
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>comp15470_c1_seq7; 968 71 3045 LEN=5361; translated
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>comp15470_c1_seq8; 955 170 3233 LEN=3613; translated
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>comp15470_c1_seq9; 989 71 3051 LEN=3546; translated
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>comp15470_c1_seq10; 1002 170 3061 LEN=5377; translated
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LCE

>comp15470_c1_seq11; 597 71 1745 LEN=1745; translated
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>comp15470_c1_seq12; 955 71 3134 LEN=3629; translated
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>comp15470_c1_seq13; 989 71 3051 LEN=5367; translated
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>comp15470_c1_seq14; 1002 71 2962 LEN=5393; translated
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>comp15470_c1_seq15; 968 170 3144 LEN=5460; translated
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>comp15470_c1_seq16; 968 71 3045 LEN=5476; translated
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>comp15470_c1_seq17; 968 170 3144 LEN=5575; translated
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>comp15470_c1_seq18; 955 170 3233 LEN=3728; translated
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>comp15471_c0_seq1; 327 772 1995 LEN=3021; translated
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>comp15471_c0_seq2; 375 106 1074 LEN=2512; translated
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>comp15471_c0_seq3; 327 772 1995 LEN=2761; translated
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>comp15471_c0_seq4; 463 61 1698 LEN=3442; translated
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>comp15471_c0_seq8; 375 106 1074 LEN=2783; translated
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>comp15472_c0_seq2; 560 1 1156 LEN=1156; translated
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>comp15472_c0_seq4; 763 1 1794 LEN=3180; translated
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LPEEEYRARTKALEPKSLGSMGDFATFAQKAATDAAGSVVGKAGPDADGGKALLPEPGP
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EPVVADATSSSEATKPKAFSFLSGGLPKARAKSDENPPTVEKPTAQQAKPGLAMSSFLSAP
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PIPALAKWKQNRDGSITGYISNSEAYATGTKITTSVPEENAKAGIVQTESXQPVAEVGL

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>comp15472_c0_seq5; 763 1 1794 LEN=2437; translated
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QEKAGSDLWFDVLGAAAEEAAGAIGGVAVRAASQAMEGVVPREALDVSVPYESASF LAYT
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LPEEEYRARTKALEPKSLGSM LGDFATFAQKAATDAAGSVVGKAGPDADGGKALLPEPGP
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EPVVADATSSEATKPKAFSFLSGGLPKARAKSDENPPTVEKPTAQQAKPGLAMSSFLSAP
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PIPALAKWKQNRDGSITGYISNSEAYATGTKITTSVPENAKAGIVQTESXQVPVAEVL
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>comp15472_c1_seq1; 570 245 1859 LEN=2941; translated
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SGEAMTALVEALIQANGKKDGLTVCSETRNRILSAMVLALAFYRAFYE EGKRNHTIDANY
AIWQVQAFGRLSLVLRLNLAAGDGGGDTLSMPGSGEPT EPRTAAEIADEAADYCRDMCMDI
VRSPAWRMLSRGKSFYPNLSTVEIACGLDALVQGG LVEARRCRCGEEGNGGGDDCLLLFS
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>comp15472_c1_seq2; 570 245 1859 LEN=2042; translated
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SGEAMTALVEALIQANGKKDGLTVCSETRNRILSAMVLALAFYRAFYE EGKRNHTIDANY
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VRSPAWRMLSRGKSFYPNLSTVEIACGLDALVQGG LVEARRCRCGEEGNGGGDDCLLLFS
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>comp15472_c1_seq4; 570 245 1859 LEN=2068; translated
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SGEAMTALVEALIQANGKKDGLTVCSETRNRILSAMVLALAFYRAFYE EGKRNHTIDANY
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VRSPAWRMLSRGKSFYPNLSTVEIACGLDALVQGG LVEARRCRCGEEGNGGGDDCLLLFS
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>comp15472_c1_seq6; 570 245 1859 LEN=2171; translated
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VRSPAWRMLSRGKSFYPNLSTVEIACGLDALVQGG LVEARRCRCGEEGNGGGDDCLLLFS
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>comp15472_c1_seq8; 362 380 1029 LEN=3044; minus strand; translated
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FTCSGSAVMKQTGSRMLTGSIKTQSFLFSGVRGLQTSEEDADGVFAAQIAVVPDSVDFDV
FAAPGVAAATSTIATVTGILFLAAALQMPSGAGGKR
>comp15472_c2_seq2; 152 1 599 LEN=841; translated
XARGFFPNYHKQGFILDVRHNRGGNIDSWVLDVLRKAWMYWQSRDFDPETGGLGWDEHY
AFRGHLVVLVDEKTS SDGEGVSRGISELGLGKLI GTRTWGGGIWLASDNRLVDGGIASAP

EIGVYNENWSWGMGIENLGLLEPDIIVDNDPHETYTGRDRQLETAIEVLKNWIEDEPIPIPKPKTKRKDVMTMGDRECGAR

>comp15473_c0_seq1; 638 84 1796 LEN=2187; translated
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TATTEQQQLDNSEYNMLQQSIMSIGTDSFSQGGMMSQNTFNGMGGNSNNLSGGMLSAPLY
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QERKWQELKLLQQQLKAQLHQSQRQFTSQQQEEILRNATAVMAADINYPQNNNMNFQH
QPTTMHMDNLRINRLTEKRKLLDEQLLQQQQLLEMFEMKKLQNQQKLNELKQQQYQHQQQLQ
QQMQHQEQQLSSSEIRGALQSRNAVYAGTDAYEPMPIGAPSAQPAEGLTSGGNHSDGS
SPRRRGPGLVRENLSKMESIFENDGSDGDYTRRGSSGNTSGGSSNKKYNASIMSGMSMS
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>comp15474_c1_seq2; 669 1 1903 LEN=3407; translated
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NFLVMSFLFSANHGCVVSCMALASARLGSVGAWSGLLMFYSYAASSLLGATYAVKTMGAR
NSLALGMLCYCAYVGCFWIAAHVDETDVDRRAVVAYTGALIGGVGAGFLWTAQGTIFYGLA
SQDYASRASRSSDGGNGDGESEAEWLSATTARFAGYFAFLYLTEELFLRLLSSALLQLEL
ASWGAI FGIYTLITVASAVAVPCWVHDYPAEDATSHRPDENHSSNGDEGENEIEIDGGDR
VVDHKNSIFYKVTVAFYLLRDDPKMKYMIGLNAVFGFVAAF LNSYVNGQVVPVALDDPDS
KYIGVLNSMVS AVAAAASLVFGKLAASSSGGGEGGIGAKGAILVFGALCFGGVVLVFCIQ
PDAAYAWP SLTVVYALHGLGRATFEGTLRSTFADYFREEKEGAFANIIFQNGVASGIGY
ILTFSLVCDTPSRYCIEYSDGRLHDVLTFXLVALVSVVVAIGGYLRASHLHRAEQERRAG
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>comp15474_c1_seq4; 669 1 1903 LEN=3446; translated
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NFLVMSFLFSANHGCVVSCMALASARLGSVGAWSGLLMFYSYAASSLLGATYAVKTMGAR
NSLALGMLCYCAYVGCFWIAAHVDETDVDRRAVVAYTGALIGGVGAGFLWTAQGTIFYGLA
SQDYASRASRSSDGGNGDGESEAEWLSATTARFAGYFAFLYLTEELFLRLLSSALLQLEL
ASWGAI FGIYTLITVASAVAVPCWVHDYPAEDATSHRPDENHSSNGDEGENEIEIDGGDR
VVDHKNSIFYKVTVAFYLLRDDPKMKYMIGLNAVFGFVAAF LNSYVNGQVVPVALDDPDS
KYIGVLNSMVS AVAAAASLVFGKLAASSSGGGEGGIGAKGAILVFGALCFGGVVLVFCIQ
PDAAYAWP SLTVVYALHGLGRATFEGTLRSTFADYFREEKEGAFANIIFQNGVASGIGY
ILTFSLVCDTPSRYCIEYSDGRLHDVLTFXLVALVSVVVAIGGYLRASHLHRAEQERRAG
DGYGYSRLRREAAHGDGRGGAAGLLRASENGVPA

>comp15474_c1_seq5; 237 418 1341 LEN=1849; minus strand; translated
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NALELLKQAKIPEQSYETILFMIDAVSCSKNGNSVPCVDSGRGGISNDRSTNYHLLIP
RWSDR IEAVGARGVWRICYQYNQEKKRPLCLPGVTTPRPRSEDELWHSVPERFEAYMQAED
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IRGFRD

>comp15474_c1_seq6; 371 16 516 LEN=516; translated
MKS AIFASLIATAAAAFAPVSQKASSTAVKAFEDELGAQPPLGFFDPLGLVEDGDQEKFDR
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>comp15474_c1_seq7; 328 382 1719 LEN=1984; translated
MFRLLSSPLCSALFSVVTAWILLSCSSCCQYAFAFAAFTKIPNSLVDDRFLKERRNPLT
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MLYGT LNVSLRFVYDLPEVPPSAAALSATRGWIAFLCFLPPLLRNKLSNSNTVVEVETV
ASSLPKADAIGPLFRSGVELALWNFLAQGLLNVLVSTGSARASFLTQTSVLF TPLIST
LIGKQKVGSRVWCGLVALVGLVLTLLGGGSAEAAAASFSLSFSGDLCVLLGGLSWSM
YVFRISFLGPKHLDLALQGVKTGLVAVLYSVWMMASAALSGGGLSWSLPSWVCS
MVWFALLFSAVGPGTIADVLQQKQKVVT PSEANILLSAEP IFATVFAVLLLGETSSLLE
IVGGGLIIAAAAIASVPSDNAAGA

>comp15474_c1_seq11; 125 707 864 LEN=864; minus strand; translated
MAAKEVNTKSERKTKKFLVRDTCPTADDGRGKKECAFSSRRLDPALNGTRS

>comp15474_c1_seq12; 336 16 519 LEN=519; translated

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GLRYTEIKHGRICMLAFLGQITTRAGIHLPGNIDYSGDSFDSYPNGIAALIGPDSIPTAG
LVQIIAFVGFLEIGFMKDVPGTGNFVGVDFRNGSLDFGWDTFDEETQL
>comp15474_c1_seq14; 328 382 1719 LEN=2010; translated
MFRLSSSPLCSALFSVVTAWILLSCSSCCQYAFAFAAFTKIPNSLVDDRFLEKERRNPLT
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LIGKQKVGRSVWCGCLVALVGLVVLTLGGGSAEAAAASAFSLSFSKGDLCVLGGALSWSM
YVFRISFLGPKHLDLALQGVKTGLVAVLYSVWWMASAALSGGGLEALSWSLPSWMCSP
MVWFALLFSAVGPGTIADVLQKQKQKVVTPSEANILLSAEP IFATVFAVLLLGETSSLLE
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>comp15474_c1_seq15; 237 530 1453 LEN=1961; minus strand; translated
MTTSTVQTLRQGAARGLLEAARSFYRKHSDLIKESHGIIHHWERVHHHACNAIESLATA
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NALELLKQAKIPEQSYETILFMIDAVSCSKNGNSVPCVDSGRGGISNDDRSTNYHLLIP
RWSDRIEAVGARGVWRQYQYNQEKRPCLCPGVTPRPRSEDELWSHVPERFEAYMQAED
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IRGFRD
>comp15474_c1_seq16; 221 241 1152 LEN=1736; translated
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KPTKKPTRVPTRKPTKKPTGVPTRKPTKKPTGKPTLRPTLRPTGKPTLSPTKMPVPTDA
PTKAPVVPTEAPVPTPFVFFPPSIPPMPISPPFTPQTLAPVVPVFIIVTFAPAATVPGA
ANILDPTPPPTSATISDLVGLGPSVAAVEDAGGQLPTPATLTYVASNVQRPTPPTFTNGLP
QSF
>comp15474_c1_seq17; 221 241 1152 LEN=1718; translated
MFVTSRFLVCLLAVIAGVSNAPTPAGTATSSSSSTEINNIVRTVPTDVPTKWPTN
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KPTKKPTRVPTRKPTKKPTGVPTRKPTKKPTGKPTLRPTLRPTGKPTLSPTKMPVPTDA
PTKAPVVPTEAPVPTPFVFFPPSIPPMPISPPFTPQTLAPVVPVFIIVTFAPAATVPGA
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QSF
>comp15474_c1_seq18; 328 382 1719 LEN=2032; translated
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LIGKQKVGRSVWCGCLVALVGLVVLTLGGGSAEAAAASAFSLSFSKGDLCVLGGALSWSM
YVFRISFLGPKHLDLALQGVKTGLVAVLYSVWWMASAALSGGGLEALSWSLPSWMCSP
MVWFALLFSAVGPGTIADVLQKQKQKVVTPSEANILLSAEP IFATVFAVLLLGETSSLLE
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>comp15474_c1_seq19; 125 725 882 LEN=882; minus strand; translated
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>comp15475_c0_seq1; 481 368 1984 LEN=2482; minus strand; translated
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KTKRATPASAENPVQATPETRNYRLPPADQLLRNLHRNQTTTEIHDVKDNRKLDALATLGV
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NEADILDNSYGAAKRECE RLLYAF CGDHNADPANPHDPILGLSVCPCIVMGPPTVVPLHD
TVYQHRWADMLRGRYVLEQSWEIADVRDVAEAHARLAEAPNVCNGTRVWVGSEPGQSVES
LLESIASRDPYERDPRDLRQNL TAPANADIDDESNSDSNSKRGSDDGSRSDSVSSSS
RSGSDSPSTGSDSDFGVSEWDLGTTTTWSDPTVLFNRKAVDDNGESDASYKPRTPRETL
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>comp15475_c0_seq2; 481 368 1984 LEN=2247; minus strand; translated
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KTKRATPASAENPVQATPETRNYRLPPADQLLRNLHRNQTTTEIHDVKDNRKLDALATLGV
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NEADILDNSYGAAKRECE RLLYAF CGDHNADPANPHDPILGLSVCPCIVMGPPTVVPLHD

TVYQHRWADMLRGRYVLEQSWEIADVRDVAEAHARLAEAPNVCNGTRVWVGSEPGQSVES
LLESIASRDPYERDPRDLRQLRQNLTAPANADIDDSESNDSNSKRGSDDGSRSDSVSSSS
RSGSDSPSTGSDSDFGVSEWDLGTTTTWSDPTVLFNRKAVDDNGESDASYKPRTPRETL
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>comp15477_c1_seq1; 1445 263 6112 LEN=6304; translated
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QVETGEMQKGTGDLQSSLDTIPTQSIIGLAEGSGRIFLRVIDSQPSHHQKTRRENKDS
HLQRDIEIRLNHQLNFSLDINLSRIQEVSLGFKDITEANVESDEVSI FRQSSMMNNPHI
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NKMKGILVPSNAYFDEGKCMQEVDDDMTFDVFDDANDQSLYNTVSVLTKSTDIDRDESD
PDYIHTKLRINLLGASLKINFLPQDKRQHFHSHGDEYIILATMNDLSISFSSTHQTHEILLD
ATHIQIEDAHLVHSDNDFGYSTGENSLPGLGCTVEIGNILCWAECDAYGEGNALVSQAPC
LSVQWKSTKNGKDDSI VCKVALLPLELSFRQRTMLNVSAFAAAARSGVTEKSPVAHRH
SYSSEECVENDKDISLSCECPSINISFPLSEKLETSPLFERSGDVNLGRIAREHAIGIAF
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EVNPSIPISFGFTRPSGRKEQEKQGRDSFPIIPAISSEFKARQEDDDDDDENGRYIETEVD
TGYRKELRGTDQPITMLANSEKSTIIFTTNIPELMTDLTTTEVETFLILKGMERSLSTN
SSTIPKIKSPPPQKLSEKISVAVNIDKVSISIRDDPDLSESNQEMIEAKSFVFLAMDH
IKSHAFSLDSEMKHFRVFSQDLCLYSIDRKLNPVDRREKPAKDRFRLKKNAMQEI SDL
SVTPILFRSQLFPTISQDTPSVLVDLINFSPGTVANRNLQRKRIYMTLYHLYRYDIDS
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VSRSIIRIGDLRLSCNMMKPTGLSQAYNLSIGDATYDITNDVNDQYKNNRRLCQYSMI
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DKPYDEFKQPKVLHSISESKIPTIADNDLRTMLLDGYEWTTVDKDDLRLVIPPGEQIS
GWYSTSDSCSAGCLLSQIIHHHFPLHSIADPLSEGMGARALVGHDDVFLKSRLSIQKL
NIKVRLEDGYDWPDKCSAKEREAVKRLDKAFVIEPLPSSALNDKEIEKTRLRKSSSLATK
TKLMGDLLEDGEDIMFEKVPLPEDRVSIMNREKHLRLSKRRPNVFFQVSLNEIGLRMDSYK
KSTSHRLQSMLEITVSNLFI AETVSHSRPIK MIGEWSNDYEHPRDTRFGTLMMSMATWAP
SSKVTKDDELASDEANITVQLMPMRCLLDQRAISFMKAFNNEGMVDVGRDAGPEKWSSR
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NSVGMGSVFGVSVKWIQEI CATQLHKFLTSARPFEPFTDVGQGLTDLVVLVPEAFKEGD
SIHKAMKGMKSLAETVVFOQLATTSGLTRIAANLMADSLGGGRGQNDVTDPLPSRPLSI
PKGIGDARLHAATSLTRGFSAAANYKVVVVPYREYLRNGLTGAVTSVIKIPVLLVAPLIG
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>comp15478_c0_seq1; 112 1 870 LEN=905; minus strand; translated
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RSKQNTAADFCPKKCGLLSTRALGSQPQQQHSILRTPEMCEAALEVAPFVGFWSLGGIE
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>comp15478_c0_seq2; 110 259 346 LEN=346; translated
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>comp15478_c0_seq3; 171 1436 1788 LEN=1788; minus strand; translated
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WNVSRVQDMSYAFANNSNDHFNDQLYCWDTSRVTSMEGMFEGASEFNQPIGSWDT
>comp15479_c0_seq1; 1801 90 3230 LEN=3418; translated
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FSKESDETRFKQFFKNFLEMEDFAKETGKEMILNEFADYTEAEYVAMQNGETPEVEAVEK
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KAAD EAAKVAEEKAVEDAEAKAEAKAAAIQAEKDAAAKAIADKEAAIQAEKDAAAKA
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AKKAPTAPAPAIVKKTPAPAFSFFGSKPAPKKAPAPAPTQPVKKAPAPAFSFFGSKPA
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SPKPAKKPVAEKPAAPVKSTPKPRSTLSLFGSKAKKPEPKPEPTPEPKKAASGFSFFGG
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>comp15480_c0_seq1; 1453 561 6564 LEN=7542; minus strand; translated

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TKSGADSTKLSELILSTTVSKSCKSPTLANKRERDPHIPSVLRSEERSLFCQQSKRIRLS
FEDSLTLGSKCNYGPVPIDRGSTTSHNSVLKTVTSAGIFEDAEDQTFDFDVYKKIPKRR
SSIRPDVNGAISDSIAKTVNKMNSTIDETNLF SKIEKRVVTRKTKKRSTGKEKMAAREIL
NGKIDLLRILPRQDCNFLSTVCFIFTLEQLEWVLNEDQTVKDASSRQVRREKLMNLKEN
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WRRQCGLRDMNLHLSKHLRSIGTCIEESLKGKLLGGNETSKRITGAMGVL SGVAKEFLI
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EGRFISEERMIEATDSEIKMIGLDDNRGQSKQQSETSSSKACALSPEFFSNFFADEQK
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KIFENLQSTKTDLTCRHVSAELYWTKEFVDKLEDNLELKSIVAEP IRKEI IHEINHEFVY
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CRYLKFFLIIAPTILQEANLP IQEYQQTIIIVRDLIKFLSENHQDLFSPS I KLPVEEYHC
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>comp15480_c0_seq2; 1517 561 6825 LEN=7803; minus strand; translated

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SSIRPDVNGAISDSIAKTVNKMNSTIDETNLF SKIEKRVVTRKTKKRSTGKEKMAAREIL
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KVKNP SLENFEIDKQSVHSIQGSESKEPLGTTNQLSPTSPSKPFFFGLVWPHLKQEGWSL
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MRRPYHESELSPGYNTSISSTQEKISATSNSAVDEKEDTYREFD SHLDVMDYIQNAEPW
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>comp15481_c0_seq1; 427 105 1145 LEN=1779; translated
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VQSVGLQFKGNLHAQWFNMFMMDLLRERAADLYRTKGVLSFHGQGNVKFVFQGVHEQINF
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>comp15481_c0_seq2; 337 960 1799 LEN=2433; translated
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>comp15482_c0_seq1; 562 194 2207 LEN=2310; translated
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RLRRMIDPVFREDALRHNCSTISHCNKFYFPFTRGQLFHHDPLLA EAMGALWGEVRAWEDP
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>comp15483_c1_seq1; 426 806 2074 LEN=2387; translated
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KAGSKDGSKAGNKDGSKDGSKDGGRAGSKAGSKDGRVGPGRRLERSERELYNCEFKGSY
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SF

>comp15483_c1_seq2; 416 961 2229 LEN=2542; translated
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SF

>comp15484_c0_seq1; 1429 273 3860 LEN=3940; translated
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FSTSAGPTMSRGLHTGGVAGTRSFSTLPVQKFEPEYESAKAKGFDDFEAMLTCCGGDDRS
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NWKPLLAKDSDANLGLALRWEAGLAGMEALASIPDQQRTEAYKEWAGSVASMVNERTELD
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>comp15485_c0_seq1; 597 168 1748 LEN=3710; translated
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QMAYLSTLLAWHDLDPPTDYERKRNDRACSRWQGNRNPVDFPDLAKIIHGTPSETITDD
GFYSDNSTGTVEELTEVKLPIPGDVMVGVHTDNPDMVALVTFVDLPAGLVIHVTDNAYD
GHSLASNEGTLISLTPETIAAGTIFGYGEGLLYGSSWTSEMDRGFALATSGDNLIYHTS
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>comp15485_c0_seq2; 180 168 498 LEN=498; translated
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>comp15486_c0_seq1; 1264 174 4139 LEN=4189; translated
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SITMGSNSIDFLKATPRAHDIEITLFDLPGTEEAEPFDWYSYRQTVRDTCAANYDSSDN
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RFRTDIVLFDGAYRADIRFSGKNKPYKWSIF SAYDVDFSSLTALSSIKEHTSLEPEV
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KVLAEHEPGPVDVQYGGAVVQKYLGDKEYSVLYDGEVPEEISRQIRKFSADMDTSTS
FEVGLIFIKNRSIHQNGVSRVDDDGTYSIYLLNTAGQKLYGVQRNELMYQFETANFF
QEIPLDLSAATLEGAFKALKTKVVGPKLSSINSFPIGSGVIMTTFWKDGHALLKWDGLK
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>comp15487_c0_seq1; 1989 121 3309 LEN=3374; translated
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YRSKDSASFQVVKQLFREVESTFKPKASRQSAEIFYVCQGYKPKIDPRLLDPKHIFE
FVEGDTQGGGKDTSTGADKKFNVFHKSWDQAKRHRGGYTDHLDGTMRHIEPVSNFVFGA
SSQLDAIQTLSTCTGFTFRADDDDNISKEQCDFLLNHPFTTAEIKECVIDLKVLNKGDFK
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>comp15488_c0_seq1; 1254 85 3471 LEN=3555; translated
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DATTL SRIETNRRLSKHFGFLVTHEDDIDVALKMEAGVSNRDGIDRVLAANS DSDTEAD
NRIDATAVLSKWKRI LNQESGNSSTGCWALGGPHTANAFVKYAQACIRYRSPRGTYNDE
TIDEEKKNESLLAAKIKNMSLSIYERGVAECTVESIWLSYLQQLNYLIEQTEVELREA
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LVLDPENLMTLILKETLANGFVVAESGENGPAAALELFGALLDIVRKRILFLLAEFDQT
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>comp15489_c0_seq1; 739 129 3020 LEN=3141; translated
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SPWLFVTVIIILATIINAAYCLVPPRRGASTAAIPLLIGLQTFHLLTFYWNSFVRPYLSIG
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>comp15490_c0_seq1; 1391 500 3682 LEN=3754; translated
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>comp15490_c0_seq2; 228 500 754 LEN=754; translated
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>comp15491_c0_seq1; 299 182 1492 LEN=1699; translated
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>comp15491_c0_seq2; 196 1 1258 LEN=1465; translated
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>comp15491_c0_seq3; 574 1 2272 LEN=2479; translated
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>comp15491_c0_seq5; 473 1 2425 LEN=2632; translated
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>comp15492_c0_seq1; 364 1428 2771 LEN=3230; minus strand; translated
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>comp15492_c0_seq2; 364 1428 2771 LEN=3159; minus strand; translated
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>comp15493_c0_seq2; 377 148 2839 LEN=3408; translated
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>comp15494_c0_seq1; 401 1 1409 LEN=1539; translated
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>comp15496_c0_seq2; 1575 127 5256 LEN=5265; translated
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D F F G N M Q R K K A E S D K C I E G C P V L L D Y T L K A S F L E V Y G E D V Y D L L D S T R N S L P L R E D S K G G
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>comp15497_c0_seq1; 1022 333 4323 LEN=4572; translated
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>comp15498_c0_seq1; 1519 140 5095 LEN=5260; translated
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>comp15499_c0_seq1; 663 1 2097 LEN=2265; translated
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>comp15506_c1_seq1; 311 199 1917 LEN=2348; translated
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>comp15506_c1_seq2; 755 480 4073 LEN=4460; translated
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>comp15506_c1_seq3; 343 354 2312 LEN=2715; translated
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>comp15506_c1_seq4; 766 480 4076 LEN=4479; translated
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>comp15506_c1_seq5; 332 354 2309 LEN=2696; translated
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>comp15506_c1_seq6; 410 199 1779 LEN=2210; translated
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>comp15507_c0_seq1; 622 200 2581 LEN=2932; translated
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>comp15507_c0_seq2; 622 698 3079 LEN=3430; translated
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>comp15507_c0_seq3; 694 200 2443 LEN=2794; translated
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>comp15507_c0_seq4; 269 698 1744 LEN=1834; translated
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>comp15507_c0_seq5; 694 698 2941 LEN=3292; translated
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>comp15522_c0_seq1; 1455 408 4265 LEN=4395; translated
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>comp15530_c0_seq1; 407 1029 2207 LEN=2621; translated
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>comp15530_c0_seq2; 407 1176 2354 LEN=2768; translated
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>comp15531_c0_seq1; 1585 213 4424 LEN=4671; translated
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>comp15532_c0_seq1; 674 326 3074 LEN=3074; translated
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>comp15535_c0_seq1; 802 268 2861 LEN=3006; translated
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>comp15535_c0_seq2; 790 268 2667 LEN=2812; translated
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>comp15537_c0_seq2; 380 1 1688 LEN=1879; translated
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>comp15537_c0_seq3; 407 1 2231 LEN=2422; translated
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>comp15537_c0_seq4; 339 1 1588 LEN=1779; translated
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>comp15537_c0_seq5; 441 235 2220 LEN=2411; translated
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>comp15538_c0_seq1; 922 463 3480 LEN=3719; translated
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>comp15538_c0_seq2; 822 189 2402 LEN=2641; translated
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>comp15538_c0_seq3; 999 463 3354 LEN=3593; translated
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VGTFRISQPGSSVATSLVEGESVRKKVAVFDVREGQFRLTAIPLTQVRSFVSTVRLAE
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KSGR

>comp15538_c0_seq4; 745 189 2528 LEN=2767; translated
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>comp15539_c0_seq1; 387 192 1281 LEN=1955; translated
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GE

>comp15539_c0_seq3; 387 139 1228 LEN=1902; translated
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>comp15539_c0_seq4; 248 55 696 LEN=917; translated

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>comp15539_c0_seq5; 383 139 1602 LEN=1672; translated
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>comp15539_c0_seq6; 383 429 1892 LEN=1962; translated
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>comp15539_c0_seq7; 383 192 1655 LEN=1725; translated
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>comp15539_c0_seq8; 387 429 1518 LEN=2192; translated
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>comp15540_c0_seq1; 1337 216 4809 LEN=4904; translated
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SVYYF PNLQVKG VACKTAQAPHTAFRGFGGPQGLAAC EHV IDHLALASKTPKDI FRRMNM
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FDRVDLSAHGFYAPDKSMCFF EKDKPKPDDYPDDMPENSWKGPFNFTQGVAYSEVEID
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NLFTQGP GTYKIPGSVFSFCVGSNEKIKFETHTSCCDRCVFLFLAFNDHPEIFNVSLLE
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>comp15540_c0_seq2; 1341 216 4712 LEN=4807; translated
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>comp15540_c0_seq3; 1274 1 4558 LEN=4653; translated
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>comp15540_c0_seq4; 1278 1 4461 LEN=4556; translated
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>comp15541_c0_seq1; 1098 219 4316 LEN=4429; translated
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>comp15542_c0_seq1; 1242 296 4204 LEN=4507; translated
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>comp15542_c0_seq2; 591 1 2476 LEN=2779; translated
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>comp15543_c0_seq2; 478 889 2970 LEN=3437; minus strand; translated
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>comp15543_c0_seq3; 478 781 2862 LEN=3707; minus strand; translated
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>comp15543_c0_seq4; 478 781 2862 LEN=3728; minus strand; translated
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>comp15543_c0_seq5; 194 781 1421 LEN=1421; minus strand; translated
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>comp15543_c0_seq6; 194 749 1389 LEN=1389; minus strand; translated
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>comp15543_c0_seq7; 478 641 2722 LEN=3189; minus strand; translated
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>comp15543_c0_seq8; 478 889 2970 LEN=3815; minus strand; translated
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>comp15543_c0_seq9; 194 641 1281 LEN=1281; minus strand; translated
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>comp15543_c0_seq10; 478 749 2830 LEN=3675; minus strand; translated
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>comp15543_c0_seq12; 478 641 2722 LEN=3567; minus strand; translated
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>comp15543_c0_seq14; 478 781 2862 LEN=3329; minus strand; translated
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>comp15543_c0_seq16; 194 889 1529 LEN=1529; minus strand; translated
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>comp15543_c0_seq17; 478 641 2722 LEN=3588; minus strand; translated
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>comp15543_c0_seq18; 478 749 2830 LEN=3696; minus strand; translated
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>comp15544_c0_seq1; 306 1 1019 LEN=1134; translated
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>comp15544_c0_seq2; 934 1 3470 LEN=3470; translated
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>comp15544_c0_seq3; 303 88 997 LEN=997; translated
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KRNX

>comp15544_c0_seq4; 544 1 1666 LEN=1758; translated
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>comp15545_c1_seq1; 1235 246 4871 LEN=4984; translated
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>comp15546_c0_seq1; 945 297 3275 LEN=3453; translated
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>comp15546_c0_seq2; 944 297 3254 LEN=3432; translated
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>comp15547_c0_seq2; 461 1 1820 LEN=1820; translated
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TEPENERX

>comp15548_c0_seq1; 863 151 2406 LEN=2943; translated
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>comp15548_c0_seq2; 1071 151 2406 LEN=2924; translated
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>comp15549_c0_seq1; 1223 244 4428 LEN=4573; translated
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>comp15549_c0_seq2; 1145 244 4506 LEN=4651; translated
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>comp15550_c0_seq1; 995 103 4118 LEN=4167; translated
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>comp15562_c0_seq3; 267 2380 2715 LEN=3681; minus strand; translated
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>comp15562_c0_seq4; 252 373 1170 LEN=2095; translated
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>comp15562_c0_seq5; 873 290 4219 LEN=4809; translated
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>comp15563_c0_seq1; 1195 204 3722 LEN=3912; translated
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>comp15565_c0_seq2; 1176 396 4205 LEN=4356; translated
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>comp15565_c0_seq3; 530 235 1347 LEN=1506; translated
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>comp15565_c0_seq4; 1325 235 3706 LEN=3848; translated
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>comp15565_c0_seq5; 534 396 1508 LEN=1667; translated
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>comp15565_c0_seq6; 1044 396 3821 LEN=4009; translated
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>comp15565_c0_seq7; 1081 235 3880 LEN=4010; translated
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>comp15567_c0_seq3; 1638 110 2689 LEN=2713; translated
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GMEEQGKIKLDADGTISLVLEKKS KKKKRRKASSNDDEREK KKKKKKKDKKRDEEEAAEA
ERAEKAAAKSKFELQMEAMKKKEQAENGGDEPAGEAKPPARPTPKPQEIPEAPTQLA
GEGENEDLVYGAPDDVVWSDKSNAMREAENA ADEDPSKLLYKDGKLSNKERKRLIKER
EAAAARAEYEVKAAKASREGAQFACSQTAVSEKDPQWQNSLDINIPNFSISAAGKILFKD
AALTIAHGRRYGLVGPNGRGKSTLLKMIASKDLKLPPIRDFLYVEQEVVADNTPAVEAVL
RADKVRWNLVEEEKILMAKVDAGDESDETIDRLGVVVEELANMGADSMEAKAHGILSGLG
FTTEMQTKPTKMFSGGWRMRISLARALFVEPTLLMLDEPTNHLDLNAVIWLDYDYLQTWKK
TLFVVS HDQDFLNSVCQEILHIEDLKLIA YKGNYSDFKKA EADRLKQQLRAW EKQEKIR
ELKRKGQSKSKATEI IKTKSKREAGARSQKKKNQAI AAGTESAEIQELIKRPKEYTVKLE
FSEVPQLTRPVMEVTNVHFRYSEKHPVIFNKIDFGIDMSR ICVVGPNAGKTTLLKLLT
GEINATKGEVRRNPRLRMGIYNQHFVDRLPMGKTPVEHLRSRFDLDYQSCRNRLGRYGL
EGHAHEVVMRDLSSGGQKARVVLVELSLQMPHILLLDEPTNNDIETIDALCDAINEFNGG
IVVVTHTDQRLIEECDCTLWVVEKQGVTEWTEGFDDYKESILRELEEQVEAQNKARQKKVE
AAAAAKAEKIARLNKSKK

>comp15567_c0_seq4; 842 1 1762 LEN=1885; translated
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VSHSQDFLNNVCSHMIHFTNSKSLVYYDGN YDQFVKTKSEKEENQWKQYKWEQDSIKQMK
EYIARFGHGTAKNAKQAQSKEKVLQKMIRAGLTPKPEEEKILNFKFTDPGHLPPPVLAFH
DVSFGYPGCDPLYKNVNFVVDLDSRVALVGPNGAGKTTLVKLMAGELNPTLGDIRPHGL
KLGRFTQH FVDVLDLEKTPLEFFETLYPNDRPRDEQRKYLGRFGVSGMQVRKMAELSDGQ
KSRVVLAKLGRDVPHILLLDEPTNHLDMESIDALAKAVNEFDGGLVVLVSHDMRLISQVAE
EIWICDNRTITKYRGDIMNFKMDMRHQMGIEGEQAVASKGGLQGDASVKAKAEKPKPKP
PPKPPKLEVLSPAATKPAAGVTTIREPPAAPAPT VASAVPDSLATKAPPAKKADDAS
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>comp15568_c0_seq1; 1087 248 4042 LEN=4294; translated
MCDTDDNTD GARPLRPPRPV IAGKKHMSLAGTDAI IDQMAIEDLRELVRHVLKIATDH
EYK MIRSEMDYFFQVVAEDNRTSASEEGTNDTVLTSRTELAADVPIAAGTVIESITDE
ATPTTAGTAVKPAAIPTADAATTVESDSEKETRAVTD TDAKPPTECTEASTTALESISE
YATSV EATKAPESTPSAQQSAANPPATTDDAKESISDEATTADTSTKGPTELSAAVPIA
SKASPIDSTPPDGSADLPLLD EETAALTTESVDPPLLRKSRSHDIDFIEEPTVVL RPFSE
NENATRVATEKIEEEVEVSSEATPLQDNTTPSKRSYDTDAIDEPTAGLRRTQSQEGIEL

EDATEKTRKAEASKEMDSLADQIRNSQTKSNASRNVAGSNRSNQDKTQLIVLCNRKPAT
TKECKDQDLAMKLCCKKIGVVPRVILSEIPAGKTNIIYNNPAATSQEERLVINSMIVALNQ
CSESAVQSTAVSYSYPQFFVRFIFEDKNNNASNDMSRSSSNVAVGAIEYKGDYDTMEEELH
RAGMLTKESLFDIIPPACNPMDASNETNDTNSAFSDRDRERLELLIRETTELTRKLNES
GSGVDGGGENKVTVRDQKTKRPLRHTHIRLASVGSNQPLPSTSSSELPLSSTASTSTAR
PGMRKSIHQGANTIALPSGVTVKRETVTTLKPRRQALQKEPSGANLTTSLTQARGSLQSP
SSRQQPSTSVLQPVVEQPKRRIMNPYYALQEYGGSERGKETQGTSPSQADHQTEDFSVARL
PEDPMEIKEDPPELSAPYDQVLDERDRSWEKRFVVGKAACYLVFNTSDDELNIHYSERPLA
CAVGVWTSRNIIEAFKTSQGLSESELIGTCASNVTNDHKNYQGWCFAKAAKSMGATVTL
LEGYGVSDVLYLDDSGRTIQISTKNAQAVFNTTSVDAVACVPRGCDPFMSGIVGKKWGK
IAKKLGAVAVFKSLSSKSKINRGDNQALEQPVIKGEASTHISSESNQNEVVPVVLDEE
IPSSSIDHEDESSPISEPNGEAEPEATELATELRGEPEAEPEPEKLELEPEPEPEPREVE
ELDPAEPPSSSTELSDPERGACYLVYNPDSSGQIVEHYSRTPIDNAIGRWIPGPGKIAN
FKFTRNVGRNVLIGNSAGVQGRKNYSSGWCQFVRSAKLMEADIMLWDPKEGQKGLKVDI
YLYNGDPDASVQTIRLQKQGILYKTDDIDAVACVPKNTPFYEDIKVDLMLWQEGSKHGYS
TRVG

>comp15569_c0_seq1; 825 2025 4459 LEN=4459; minus strand; translated
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KSMPLPLDFPSIETLNLCEIKAESDMVDLLGSDLYDRQPHLVVLRLLGRGVPGFNHLLKF
AREKNHDLIVVSGIPGSFELDLTAMCTVSTEIINQVTLYFNADGCSENMANMLRYLADHL
LRCGFGYEAPSVQPDHGLYHPRFPGSGACDRASTTKSYLTSADAPCRKPTVAVIFYRCH
FLSGNTSFVDAMIDEIEALGANAIGLFTETLRSHEFHNDVNGTAVERFPTALAFLLDEAT
GRCQVDAIVSTMAFAMGEVNPDPGPTLGNWSTDAVRALDVPVLQAVSSFGTRTDWEDSARG
LSPLDTAMNVAIPEFDGRLITVPI SFKAPQDET NKVHYEYEPVQDRVEMVAKQSVKLARLR
HKPNREKKIAFLLTNSGKAQRIGDAVGLDTPGSIMKVFEAMRADGYDLGDDLPPDGDTL
VQNLIDRCSYDEIFLTEDQLANAAARVPTSLYRPMFERLPAKQKEFMVKQWGPPEAYV
HRDAISLAGLEFGNVFVALQPPRGYGMDDPKIYHTPDLPPPHNYFALYRWRNQGADAI
VHMKGHTLEWLPKGKGVLSRDCYPTFLDDLPLVYYPFIINDPGEQTQSKRAHALIIDH
LTPPMTTADGYGELAQLMQLVDEYYQIEMLDPTKMPYIQKQIWKLIQKINLDEDLSVLLR
PRDHDRDGRNEENGRSHSHSHDESENNHESHSPSRSTDEDRDIGRHEHHHRNTRSF
DEDHNHSHHHSHSHHEEMHQEPTFCHNEHEX

>comp15569_c0_seq2; 442 1227 3661 LEN=3661; minus strand; translated
MANEPLRTEENLDGGNHDKGHDQDLCEIESTEVEGNRDEQQDRFQFLLISIKDSDILTLDTA
KSMPLPLDFPSIETLNLCEIKAESDMVDLLGSDLYDRQPHLVVLRLLGRGVPGFNHLLKF
AREKNHDLIVVSGIPGSFELDLTAMCTVSTEIINQVTLYFNADGCSENMANMLRYLADHL
LRCGFGYEAPSVQPDHGLYHPRFPGSGACDRASTTKSYLTSADAPCRKPTVAVIFYRCH
FLSGNTSFVDAMIDEIEALGANAIGLFTETLRSHEFHNDVNGTAVERFPTALAFLLDEAT
GRCQVDAIVSTMAFAMGEVNPDPGPTLGNWSTDAVRALDVPVLQAVSSFGTRTDWEDSARG
LSPLDTAMNVAIPEFDGRLITVPI SFKAPQDET NKVHYEYEPVQDRVEMVAKQSVKLARLR
HKPNREKKIAFLLTNSGKAQRIGDAVGLDTPGSIMKVFEAMRADGYDLGDDLPPDGDTL
VQNLIDRCSYDEIFLTEDQLANAAARVPTSLYRPMFERLPAKQKEFMVKQWGPPEAYV
HRDAISLAGLEFGNVFVALQPPRGYGMDDPKIYHTPDLPPPHNYFALYRWRNQGADAI
VHMKGHTLEWLPKGKGVLSRDCYPTFLDDLPLVYYPFIINDPGEQTQSKRAHALIIDH
LTPPMTTADGYGELAQLMQLVDEYYQIEMLDPTKMPYIQKQIWKLIQKINLDEDLSVLLR
PRDHDRDGRNEENGRSHSHSHDESENNHESHSPSRSTDEDRDIGRHEHHHRNTRSF
DEDHNHSHHHSHSHHEEMHQEPTFCHNEHEX

>comp15569_c0_seq3; 495 87 1233 LEN=1233; translated
MTRIQTYPLAMLSNVFEFLSGTAARGLAKLLPPIRVARDSLSGALDPYNRDPDTFSDAS
EASAGEIPTPFVDLPIGATEDRVLGSDIFSATLKKGGEPVFPGLLASANRGILYIDEVN
LLPAHLVDVLLDASASGVNTVQREGLAVSHPARFVLIGTMNPEEGDLRPQLVDRFGLMCD
VLAPMDVTRSSVVRIRIAFEGNPVGFREKQWESERELSERILASRQLVQMEFPGLLD
AISSICVEFRVASLRADITLYKTAALAAWHGRTGVEKDDIKQAAKWLHRKQRNPFDA
PPPPPPPHANDKSNNSLEDDLMDRIILGSQPPRAEGDSNHETEENPQQPQEAETDDNEDPD
GSEPNSEDNSNGDGDGDDX

>comp15570_c0_seq1; 710 162 1928 LEN=2339; translated
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IIEDTSEIDHGDELDLVRIHDEEEGNATKELKVESSGDDIDHHGDSKPKTKSSQDKEASV
PGLNESNSVKEESTDDIDVISISSDEDEDDYRSDDSWDGEYDGSDEEEDLDDRPSKRQK
HVQSPPEPPLEVFVHKKDI PSAPGKCDEKSNHSSNDDGERFREVSLLDVAGAKKKA
QEVKNRIMKLLNTGFHDQSNHEAKNAMKLAQRLMRKHNLSQLLLKEREANEKNLQGD

EVLKGGMVRVKIVNRKTRKPSLFFRWIARLTCVPCENFGVQCYFETRREGVRCDIVFYGIY
SNAQLAGYAFKVATERISQMSAEYQPETSTYHHRTISTKSSRSLSYALGIVEGISKDVEKN
VRMEKMQRERKLERARLAESKGEAYEESEDEDDCNDNGTGGLSLAKPENESKSDSPQITIS
LNNVTSTKTNDNRKISGANLQSRVEELEQEAQAAIVLVCHKKKIAEEVLKEHDIKLTSA
KRKAIDFDKQSYQGIEDSKEIDMNQRAIRAEVVIKTEKNDFFSFDKI
>comp15571_c0_seq1; 903 142 2580 LEN=5730; translated
MHLGPLLLILLLSIVTGEQDKKIQIDKTNVGEHKIADNDSVRLAANVFAKRSALTTVS
DGVMGFEVVGAGPEGGRLLRVRASTEADNSDQDPSRPFKERLKKLPKATKSPKKAKSP
KKNILKTDRCARLIAEDGNWETWVGDVATFAPIFRPATDSELMKIIKNSKKHGCKIRTMG
ARHTQDGMVMQRTEEDVVVISLASHSTQVEGWSDSINAESSTFRIGAGKSWFDVSALIRP
HGFVQLSRTTAQYFSVGGVIANMVHGGRTAGFIHDDVVKLVMTSDGTIKEVEGNLDY
WRSSAGLLGFILSVEMNMHSEALPFIAGLDPETGEPDIVDPSKGGIMEREKSTFFSPINE
ETFADLVTKVSTKVLETSAVSESVQFFYDFYNNALGEYRTNFGGKRFSGSNGNFADVGKA
QAYSVATQNLAKLNSDSAFTGGQRVDLSTEALCESFCVPPTGPPAGGGDGSPCVRI
PSQLVPGADLCNVPLEVNAALSTSIQTILDGAWDAGSSTSDNGYFILDTTSSFDVIAFL
PARAFATAFATWYDITSKVTTGKLDNTSFAPNGNLEFRFLDPKTTAILNPIPPIDEIKAE
FDQKYNTLFGGIDSAYDLLPLPPGIPDGYIAFELVNIRGIFDADASKYFFALQEAWS
SMPTNPLLPYGGVPECDPSSGVLPCQGLPTAGAQCCNPPVPAKLVHYGKGWGYGIDPL
TSPTTQNFVFPFTNTKAISDMYATGTTKNSVSAFNQKRSELEAEVFSGGSMRLRWLE
PENPNSKFEV
RKLDGQSCGSAEYATDPNSECIGQQCVGSICE
>comp15571_c0_seq2; 161 142 519 LEN=519; translated
MHLGPLLLILLLSIVTGEQDKKIQIDKTNVGEHKIADNDSVRLAANVFAKRSALTTVS
DGVMGFEVVGAGPEGGRLLRVRASTEADNSDQDPSRPFKERLKVSHASYVIFYQRNL
STDTNN
>comp15571_c0_seq3; 641 1 2167 LEN=5317; translated
XLTQIIPRLCCXSAAKLPKATKSPKKAKSPKKNILKTDRCARLIAEDGNWETWVGDVAT
FAPIFRPATDSELMKIIKNSKKHGCKIRTMGARHTQDGMVMQRTEEDVVVISLASHST
QVEGWSDSINAESSTFRIGAGKSWFDVSALIRPHGFVQLSRTTAQYFSVGGVIANMV
HGGRTAGFIHDDVVKLVMTSDGTIKEVEGNLDYWRSSAGLLGFILSVEMNMHSEALP
FIAGLDPETGEPDIVDPSKGGIMEREKSTFFSPINEETFADLVTKVSTKVLETSAVSE
SVQFFYDFYNNALGEYRTNFGGKRFSGSNGNFADVGKAQAYSVATQNLAKLNSDSA
FTGGQRVDLSTEALCESFCVPPTGPPAGGGDGSPCVRI
PSQLVPGADLCNVPLEVNAALSTSIQTILDGAWDAGSSTSDNGYFILDTTSSFDVIA
FLPARAFATAFATWYDITSKVTTGKLDNTSFAPNGNLEFRFLDPKTTAILNPIPPIDE
IKAEFDQKYNTLFGGIDSAYDLLPLPPGIPDGYIAFELVNIRGIFDADASKYFFALQ
EAWSSMPTNPLLPYGGVPECDPSSGVLPCQGLPTAGAQCCNPPVPAKLVHYGKGWGY
GIDPLTSPTTQNFVFPFTNTKAISDMYATGTTKNSVSAFNQKRSELEAEVFSGGSM
RLRWLEPENPNSKFEV
RKLDGQSCGSAEYATDPNSECIGQQCVGSICE
>comp15571_c0_seq4; 242 1284 1922 LEN=2397; translated
MQSYDVCTTCKFALTFALATLSICEGLQVTIAGGTGKLGRLLLPKLVDHDVTVLTRNS
FLASAPNRVTEVFGYLGKGLKHPHVSRLRDWDGGDLLDIVGSDFLGWQQDALKSADV
VHMVGGYTEQREMATERLVRESFEFNKSAHVTVNPLEEITFISPGMVTLKKKRIQK
CEDMVRDNCISSRCLRLEAFKDEEACEEIFKTIESLV
>comp15572_c0_seq1; 139 1 396 LEN=396; translated
HQTRNGEPADYRVSISTDDPLQCEQICRDGGYSFFGFECIRDSGTNVECNCNRART
DEFPTDTRFVGLPIPGYQAENKDCNAFAFASCGGCSLCEGSSHAFVDGFSMGGPY
VASVYLRDPSPVLQYGCT
>comp15572_c0_seq2; 103 1 457 LEN=457; translated
GSDHQTRNGEPADYREIISTDNPLQCEQICRDRGYAFFGFECIHDSGTRVECECN
HARTDEFPTDTRFVGLPIPGYQAENKDCCTTFASDLYGSGSSSTGCVSSHFPV
DGFMSMGGPYVASVYLRNPFTRYTFPATTTEQLIHAFVVKGSSVX
>comp15572_c0_seq5; 139 1 445 LEN=445; translated
HQTRNGEPADYRVSISTDDPLQCEQICRDGGYSFFGFECIRDSGTNVECNCNRART
DEFPTDTRFVGLPIPGYQAENKDCNAFAFASCGGCSLCEGSSHAFVDGFSMGGPY
VASVYLRNPFTRYTFPATTTEQLIHAFVVKGSSVX
>comp15572_c0_seq6; 104 1 450 LEN=450; translated
YGCTGSDWQKRNGRPDSYFELISTSDPFKCEQICRDRGYQFFGFECIRSNGSEVE
CECNLSLRADGRGPTDKRYDPESFSLEGKTEDCNALSWTLYGGPVCNGAEHAFKSG
FSMGGPHLASVYLVTVGVVLEEPHVVEEPEEPFPVQYGCT
>comp15573_c0_seq1; 885 1 2896 LEN=3125; translated

LICFLLQPPHLFILFLMISLAPAVPKTRKTNIDEARANA EKAARARDEANNNSRQKEIPI
EIGSLNKKIEDLKKKIEIDRAVQEDLRSTFKAQSAIEQMKA CKTDLEELKINVSEYSFL
CQSQRITPPPRELPGNDTDGNGEELKRIMEKVNNEINSKKE DRELELGRQQDAIHRLEAI
VSEKSALHNHNSVQSIRQKQKRLGALQPSIDRTKKVVEDLRF FEQHEQKIPTPVAITDGRP
DELLSYVTKRLDEIEDRSTENIPPKMVKQVLQQIFYLVSLRLKILVMLLGKIVTFVLI FL
RLHSSFRKSKPAKVGAGDDFVCPCCERSMPDEAEFKRFQDAMKKLWSDGSP LLQVDDWTK
TAKVKYQEWQRIVKGAVGDITEHQRLQKDLVELQKNVSDLD RILIDRKGERDKIKSDIQN
VELDLKELRELSDASKRWVGDSSRIAMDRIQVNEKESNFRLMNSDREGRDLKQVEGELSD
SLQRKDEYADKITKLNTELASLNDRVQQASTNATRLEHLFKRMEEKYQE QIKDEETLAVF
QTEYLK KRAEQEKLS DQIKPLKQRIEKKESDRTRARNLAAEEERRISSTLALFNNDIAGL
QNI VDAINEYEKSNSKDDVDRMEAQRNELIRKAKEKDEEIEKMT PDLNRMERMVDDQERQ
RKNLEENINLIRSTVKIKALEKEIGRIEKEKSSVGDRQRLQEDHESLQNRNEQLIESNAR
LEGRRAEINDTIRGLKRKLSQNEYRDVEEDFRKASIRQDTTEMAVKDIEKYHSNLDKALQ
RYHGIKITEINAIIRD LWNLT YKGEDITNIEIISGNSAGRTTRS YNYRVVMSKGGGSQM
DMRGRC SAGQ RVLASIVIRLALAETF CVKFGCISLDEPTVNL DYNKKGLAVALAQIIAS
RSQQSNFQLVLI THDEDFVLMMKNELSTQSNVSMPEKYFQIRREEGVDGKYYSKIDAIDW
EELL

>comp15573_c0_seq3; 862 1 2927 LEN=3156; translated

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EIGSLNKKIEDLKKKIEIDRAVQEDLRSTFKAQSAIEQMKA CKTDLEELKINVSEYSFL
CQSQRITPPPRELPGNDTDGNGEELKRIMEKVNNEINSKKE DRELELGRQQDAIHRLEAI
VSEKSALHNHNSVQSIRQKQKRLGALQPSIDRTKKVVEDLRF FEQHEQKIPTPVAITDGRP
DELLSYVTKRLDEIEDRSTENIPPKMVKQVLQQIFYLSKPAKVGAGDDFVCPCCERSMPD
EAEFKRFQDAMKKLWSDGSP LLQVDDWTKTAKVKYQEWQRIVKGAVGDITEHQRLQKDLV
ELQKNVSDLD RILIDRKGERDKIKSDIQNVELDLKELRELSDASKRWVGDSSRIAMDRIQ
VNEKESNFRLMNSDREGRDLKQVEGELSDSLQRKDEYAGTVFSPIFEMEIKWQLLSPEEV
AHSHRSV FHRFSYLCTHIRVDKITKLNTELASLNDRVQQASTNATRLEHLFKRMEEKYQE
QIKDEETLAVFQTEYLK KRAEQEKLS DQIKPLKQRIEKKESDRTRARNLAAEEERRISST
LALFNNDIAGLQNI VDAINEYEKSNSKDDVDRMEAQRNELIRKAKEKDEEIEKMT PDLNRM
ERMVDDQERQRKNLEENINLIRSTVKIKALEKEIGRIEKEKSSVGDRQRLQEDHESLQNR
NEQLIESNARLEGRRAEINDTIRGLKRKLSQNEYRDVEEDFRKASIRQDTTEMAVKDIE
KYHSNLDKALQRYHGIKITEINAIIRD LWNLT YKGEDITNIEIISGNSAGRTTRS YNYR
VVMSKGGGSQMDMRGRC SAGQ RVLASIVIRLALAETF CVKFGCISLDEPTVNL DYNKKG
LAVALAQIIASRSQQSNFQLVLI THDEDFVLMMKNELSTQSNVSMPEKYFQIRREEGVDG
KYYSKIDAIDWEELL

>comp15573_c0_seq4; 819 1 3021 LEN=3250; translated

LICFLLQPPHLFILFLMISLAPAVPKTRKTNIDEARANA EKAARARDEANNNSRQKEIPI
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CQSQRITPPPRELPGNDTDGNGEELKRIMEKVNNEINSKKE DRELELGRQQDAIHRLEAI
VSEKSALHNHNSVQSIRQKQKRLGALQPSIDRTKKVVEDLRF FEQHEQKIPTPVAITDGRP
DELLSYVTKRLDEIEDRSTENIPPKMVKQVLQQIFYLVSLRLKILVMLLGKIVTFVLI FL
RLHSSFRKSKPAKVGAGDDFVCPCCERSMPDEAEFKRFQDAMKKLWSDGSP LLQVDDWTK
TAKVKYQEWQRIVKGAVGDITEHQRLQKDLVELQKNVSDLD RILIDRKGERDKIKSDIQN
VELDLKELRELSDASKRWVGDSSRIAMDRIQVNEKESNFRLMNSDREGRDLKQVEGELSD
SLQRKDEYAGTVFSPIFEMEIKWQLLSPEEVAHSHRSV FHRFSYLCTHIRVDKITKLNTE
LASLNDRVQQASTNATRLEHLFKRMEEKYQE QIKDEETLAVFQTEYLK KRAEQEKLS DQI
KPLKQRIEKKESDRTRARNLAAEEERRISSTLALFNNDIAGLQNI VDAINEYEKSNSKDD
VDRMEAQRNELIRKAKEKDEEIEKMT PDLNRMERMVDDQERQRKNLEENINLIRSTVKIK
ALEKEIGRIEKEKSSVGDRQRLQEDHESLQNRNEQLIESNARLEGRRAEINDTIRGLKRK
LSQNEYRDVEEDFRKASIRQDTTEMAVKDIEKYHSNLDKALQRYHGIKITEINAIIRD L
WNLT YKGEDITNIEIISGNSAGRTTRS YNYRVVMSKGGGSQMDMRGRC SAGQ RVLASIVI
RLALAETF CVKFGCISLDEPTVNL DYNKKGLAVALAQIIASRSQQSNFQLVLI THDEDF
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>comp15573_c0_seq5; 562 122 1378 LEN=1607; translated

MYLRF TQLSDQIKPLKQRIEKKESDRTRARNLAAEEERRISSTLALFNNDIAGLQNI VDA
INEYEKSNSKDDVDRMEAQRNELIRKAKEKDEEIEKMT PDLNRMERMVDDQERQRKNLEE
NINLIRSTVKIKALEKEIGRIEKEKSSVGDRQRLQEDHESLQNRNEQLIESNARLEGRRA
EINDTIRGLKRKLSQNEYRDVEEDFRKASIRQDTTEMAVKDIEKYHSNLDKALQRYHGIK
ITEINAIIRD LWNLT YKGEDITNIEIISGNSAGRTTRS YNYRVVMSKGGGSQMDMRGRC
SAGQ RVLASIVIRLALAETF CVKFGCISLDEPTVNL DYNKKGLAVALAQIIASRSQQSN

FQLVLI THDEDFVLM MNKNE LSTQSNVSMPEKYFQIRREEGVDGKYYSKIDAIDWEELL
>comp15573_c0_seq6; 1208 245 4519 LEN=4748; translated
MASINKLSVRGVRFSFPEDAEQVLEFYMPLTVIVGANGCGKTTIIESLKFVAVCGALPPGK
TAGQAFVHDPRSIGSSVVKSNIKLRFNNAAGHTMVIVRSMEVKQSKTKLNFKQLDGTIRA
TDQHGQRVSM SHKCTELDRQVPLMLGVSKAILENVVVFCHQEDASWPLQEGAVLK KKFDDI
FDSTRYTKALDV FVKAKKEYILKAKDHKAVVAELRSHRHAAQGFRAEIRKHNEQMEELED
QLESGRHAI RENKEEQKMVDEL LDKINEIEDRFDIKEQEYVNAKETALTRRGLLEEDLTD
RFSEDEL RDQLRTFDGKKEAHQDRKRELESRQRTLKRELEAIRHQQSELQSEVGRLQASK
EADTENRKKRYDKMCAIGTTYGLE DVVSQITQNSQLAAGSTQDSSGSYHSRHHTQGDDDD
SADGRDMAAPPAILDIPKKDLDEYFRVVRKKKDELEDQVAAEKSKAREQEDAFNNELSDL
KGKLSSELRADELRTAQLKLNNDIAERTRKARQVPKTRKTNI DEARANA EKAARARDEA
NNSRQKEIPIEIGSLNKKIEIDLK KKI EIDRAVQEDLRSTFKAQSAIEQMKAKCKTDLEE
LKINVSEYSFLCQSQRITPPPRELPGNDTDGNGEELKRIMEKVNNEINSK KEDRELELGR
QQDAIHRLEAIVSEKSALHNH SVQSIRQKQKRLGALQPSIDRTKKVVEDLRF FEQHEQKI
PTPVAITDGRPDELLSYVTKRLDEIEDRSTENIPPKMVKQVLQQIFYLSKPAKVGAGDDF
VCPCCERSMPDEAEFKRFQDAMKKLWSDGSP LLQVDDWTKTAKVKYQEWQRI VKGAVGDI
TEHQRLQKDLVELQKNVSD LDRILIDRKG ERDKIKSDIQNVELDLKELRELS DASKRWVG
DSSRIAMDRIQVNEKESNFRLMNSDREGRDLKQVEGELSDSLQRKDEYADKITKLNTELA
SLNDRVQQASTNATRLEHLFKRMEEKYQE QIKDEETLAVFQTEYLK KRAEQEKLS DQIKP
LKQRIEKKESDRTRARNLAAEEERRISSTLALFNNDIAGLQNI VDAINEYEKSN SKDDVD
RMEAQRNELIRKAKEKDEEIEKMPDLNRMERMVDDQERQRKNLEENINLIRSTVKIKAL
EKEIGRIEKEKSSVGDRQRLQEDHESLQNRNEQLIESNARLEGRRAEINDTIRGLKRKLS
QNEYR DVEEDFRKASIRQDTTEMAVKDIEKYHSNLDKALQRYHG I KITEINAIIRD LWNL
TYKGEDITNIEIISGNDSAGRTTRS YNRYRVVMSKGGGSQMDMRGRCSAGQRVLASIVIRL
ALAE TFCVKFGCISLDEPTVNL DYNKKG LAVALAQI IASRSQQSNFQLVLI THDEDFVLM
MNKNE LSTQSNVSMPEKYFQIRREEGVDGKYYSKIDAIDWEELL

>comp15573_c0_seq7; 1099 245 4738 LEN=4967; translated
MASINKLSVRGVRFSFPEDAEQVLEFYMPLTVIVGANGCGKTTIIESLKFVAVCGALPPGK
TAGQAFVHDPRSIGSSVVKSNIKLRFNNAAGHTMVIVRSMEVKQSKTKLNFKQLDGTIRA
TDQHGQRVSM SHKCTELDRQVPLMLGVSKAILENVVVFCHQEDASWPLQEGAVLK KKFDDI
FDSTRYTKALDV FVKAKKEYILKAKDHKAVVAELRSHRHAAQGFRAEIRKHNEQMEELED
QLESGRHAI RENKEEQKMVDEL LDKINEIEDRFDIKEQEYVNAKETALTRRGLLEEDLTD
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AGQRVLASIVIRLALAE TFCVKFGCISLDEPTVNL DYNKKG LAVALAQI IASRSQQSNF
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>comp15573_c0_seq8; 928 1 2802 LEN=3031; translated
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>comp15573_c0_seq9; 1142 245 4644 LEN=4873; translated
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>comp15573_c0_seq10; 1165 245 4613 LEN=4842; translated
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>comp15574_c0_seq2; 516 160 2670 LEN=3205; translated
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>comp15575_c0_seq1; 758 1 3550 LEN=3578; translated
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>comp15576_c0_seq2; 626 295 2247 LEN=2359; translated
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>comp15576_c0_seq4; 292 211 1323 LEN=1435; translated
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>comp15577_c0_seq1; 686 1 2594 LEN=2726; translated
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>comp15577_c0_seq2; 147 140 701 LEN=701; translated
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>comp15577_c0_seq3; 693 1 2679 LEN=2798; translated
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>comp15577_c0_seq4; 681 1 2643 LEN=2762; translated
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>comp15577_c0_seq5; 1003 1 2630 LEN=2762; translated
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>comp15577_c0_seq6; 678 1 2637 LEN=2756; translated

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>comp15577_c0_seq7; 982 1 2636 LEN=2768; translated

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VFFLHGYSFALYISFTVCSVATTIPYVPIIGSALYLMVILPLVGFPICMSDPDRQYMVK
VPPKNDISVSFGKKEGKFFSLVCFKALPPAIFPQLLYLIAFGELMIQHEQEIIQLKCT
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>comp15590_c0_seq1; 949 367 3929 LEN=4185; translated
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YGLHTPQPSVDNTNYSQISSSSSAGDLEKTPKTSLSYGGVGNNGDRNGNGIAGHARHMS
GAGHARVSSVAMP SISENRAQTILAQPDLNQNMMNANDKDCNCNKNTTDRVSNTCTHTGIF
LRTTKEAIYSLFESTTYIGSFVYLLYHVVFCLALGSAIMRPNNPISILGLMTKTAALGTL
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VLTAIGMALSACLIMAASVFKLANLGSYLPFPVICGFFSAVGILTWTLAINVDTGGKTIG
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SFLYLIRCSVHGAALKKKNISNLSRKVLSADLNKSETLTASAEFKNENDIRGTPGRISPKP
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FNVVAGGFVAVTPSVASSSTMFMGLGADGLAPQIGSVLLLLLIFYLTDFQIVGYIPKPAFSSM
LVLSSFDMINTWFFKSFLKTKDKMEVWVVPVIVICAFVLDLLSAVFLGIALSTFIFVGF
FRSGVVKYVANGQSIINSTIERPSSRMSQWLNENGCRIQVICLQNYLFFGNASSIYNYVFE
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IRSILALGGFKADKGVRSKRQLRFFASLDAALGKAEDMLESDYDDRIDQVRTRHLIRRR
DSGFQAALRYIDNGHGDNICRELAGEKYTTMLELQPGEILYSDGKSKGIERGLFFIEAG
ILKEERDTGNTATWGPKPAASSPSGTGGSQDXADEDAALPEGGSGRRLGKPNLSPRATR
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>comp15590_c0_seq2; 80 1 649 LEN=902; translated
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>comp15591_c0_seq9; 395 1 1041 LEN=1041; translated
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>comp15591_c0_seq10; 6 1 627 LEN=627; translated
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>comp15591_c0_seq11; 88 1 300 LEN=300; translated
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SSEPSSSPSGSPSGSPSSSPSGSPSDSPSGKPSVSPSSSP
>comp15591_c0_seq12; 488 1 1041 LEN=1041; translated
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TSNP TSNP TNNPTFNPTKSP TKAPTEFPTE SMQPTDCFE PAIPQVVNSLCMKSGGELMDQ
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CIEGIARVT VVAFMDPEFDPDECEACNVDDLQEMGGSYEFCAYVVEI
>comp15591_c0_seq13; 268 1 562 LEN=562; translated
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LDDCIVTGDVELGQGVDFAGE CIEGIARVT VVAFMDPEFDPDECEACNVDDLQEMGGSYE
FCAYVVEI
>comp15591_c0_seq14; 117 1 342 LEN=342; minus strand; translated
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>comp15591_c0_seq15; 456 1 1041 LEN=1041; translated
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TSNP TSNP TNNPTFNPTKSP TKAPTEFPTE SMQPTDCFE PVVPQVVKSICMSSGGEPMDL
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>comp15591_c0_seq16; 346 101 946 LEN=1005; minus strand; translated
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>comp15591_c0_seq17; 287 1 632 LEN=632; translated
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>comp15591_c0_seq18; 339 1 646 LEN=646; translated
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>comp15591_c0_seq19; 327 101 813 LEN=813; minus strand; translated
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P

>comp15593_c0_seq1; 153 684 833 LEN=850; minus strand; translated
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>comp15593_c0_seq2; 462 318 1694 LEN=1694; translated
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PRDEYADTEFPEHLPTFCFPDGGCHPLRHKIRRHDHSATESRAVDNNTAESPPGLLLDCV
GQGAASASDSTHTDTTAKHKHPIVRYHNVPEPSLCSMVLTTGAGNRLYCTSLTVYEVK
DIPNQPKPQRPVPSNKKDNEPKATTPPEIDLKDNWWEPSIDSMKHIIEQRKRQGGSSSS
SGSNIAIETEANHTDEYYVWVVKCLVMISHHPFFRAQSLILRELFYTVQSGSSPVPFERY
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>comp15594_c0_seq1; 160 232 1166 LEN=1166; translated
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RRVAASCNDSESESERDNGAGTGTVAGTIAIDAPVGAGPRQRRGKQRRRRGNGSLRARA
DADADADAYADAHPEPKLPALLLLPLAAIALVSLACQFVLEVLGGAGAVWGCAELAGLRG
SGAPDSGRAASRTASLVVAVCLARFLVVRLLVPLRPPQRGGSAGAGFWELARAAAAGDPV
LALHPSRGMLAG

>comp15594_c0_seq2; 235 232 1404 LEN=1811; translated
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RRVAASCNDSESESERDNGAGTGTVAGTIAIDAPVGAGPRQRRGKQRRRRGNGSLRARA
DADADADAYADAHPEPKLPALLLLPLAAIALVSLACQFVLEVLGGAGAVWGCAELAGLRG
SGAPDSGRAASRTASLVVAVCLARFLVVRLLVPLRPTHQASTSTRTRAGFWELARAAA
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>comp15594_c0_seq3; 239 232 1446 LEN=1853; translated
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RRVATSCGNENDSESERDGPKNSSGGRDSGGRAGTIAGTIAGTIASDAPVGAGPRQRRGK
QRRRRGNGSLRARADADADADAYADAHPEPKLPALLLLPLAAIALVSLACQFVLEVLGGA
GAVWGCAELAGLRGSGAPDSGRAASRTASLVVAVCLARFLVVRLLVPLRPTHQASTST
RTRAGFWELARAAAAGDPVLAALHPSRGMLAGFLRGPRGRDTGGDSGNEIENKIDHEIDHEI
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>comp15594_c0_seq4; 164 232 1208 LEN=1208; translated
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RRVATSCGNENDSESERDGPKNSSGGRDSGGRAGTIAGTIAGTIASDAPVGAGPRQRRGK
QRRRRGNGSLRARADADADADAYADAHPEPKLPALLLLPLAAIALVSLACQFVLEVLGGA
GAVWGCAELAGLRGSGAPDSGRAASRTASLVVAVCLARFLVVRLLVPLRPPQRGGSAGA
GFWELARAAAAGDPVLAALHPSRGMLAG

>comp15594_c0_seq5; 236 232 1449 LEN=1943; translated
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QQGGGGPSSGGSPGVPPSAAGLPRFLLDPRDDRHVAPHALALRLLLGRVRRREGDHDGGLY
RRVATSCGNENDSESERDGPKNSSGGRDSGGRAGTIAGTIAGTIASDAPVGAGPRQRRGK
QRRRRGNGSLRARADADADADAYADAHPEPKLPALLLLPLAAIALVSLACQFVLEVLGGA
GAVWGCAELAGLRGSGAPDSGRAASRTASLVVAVCLARFLVVRLLVPLRPTHQASTST
RTRAGFWELARAAAAGDPVLAALHPSRGMLAGFLRGPRGRDTGGDSGNEIENKIDHEIDHEI
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>comp15594_c0_seq6; 232 232 1407 LEN=1901; translated
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RRVAASCNDSESESERDNGAGTGTVAGTIAIDAPVGAGPRQRRGKQRRRRGNGSLRARA
DADADADAYADAHPEPKLPALLLLPLAAIALVSLACQFVLEVLGGAGAVWGCAELAGLRG
SGAPDSGRAASRTASLVVAVCLARFLVVRLLVPLRPTHQASTSTRTRAGFWELARAAA

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>comp15594_c1_seq1; 151 391 1104 LEN=1510; minus strand; translated
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LTLFPSSGGKTVGSDELSSRWHDTSRTRNNFSRNGHSDRGIVSNTQGRVKGQNSRLQDA
LKSLAESEQVAQEISGELQGQRETLQKAHGRMDQFSAMTEYSKTLNLSMNKPWWRWK
>comp15594_c1_seq3; 151 359 1072 LEN=1478; minus strand; translated
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>comp15594_c1_seq7; 151 492 1205 LEN=1611; minus strand; translated
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LTLFPSSGGKTVGSDELSSRWHDTSRTRNNFSRNGHSDRGIVSNTQGRVKGQNSRLQDA
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>comp15595_c0_seq1; 897 1 3193 LEN=3540; translated
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SKQLIGASKETASKSTYRRSSLASMSAPSMKRVIPNRGPANSTSRSSFGLRRTRSQRSL
SIGMMSNRNMMNRTLMSMDKNASMRNENDAFESEKLLSKTMIHVLSNELKGSRNDESSNNK
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DSDYDNIDDKIHEAVATMMGVDSHSHKPNSTSFEDDVELSDSGLSFASESEKKSWRACATA
GNSVDDDDSSDDDDGNDEDDDDGDDNGNGDGDGKAESLRKKGGEERKDNRPKKGISGGE
SPRLEVLNIGKHKGGKSKSVSSKSHNSSSTKHSSGKSLGSSRNERCGSGSKSLSSSSYD
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SSKSSKASRPREMGTSVHSFERSDHSTKEGDGSKLGRKINSRRRRDASRRKSCPSLSP
VRSSAGSHSKEKDDKRTGRQINSRRLRDDLQPKCPSLPLRCATASSHSRKGDKGKAG
RQMKSGRCPPDPQRKSCLSLSPVPLTGSVHSKTLKTKSKASIASLTMKSDHDHNYDTSS
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AGNTKIEESPLFKNPCAPKCIESIDVDDLDRLSAADLLWKEIDGQIAGEKTLEMGNQSK
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>comp15595_c0_seq2; 617 1 2705 LEN=2964; translated
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KIAFASFYLSIFGNMRWYLSAMPGLPHLDRKRFLQKRAMGESTPIWPLLQNFCE
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VDRAKLFHIRRICVKKRLLKQPEQSRYIKNTRISITHRFAMHQHFNPNAAARVAPAP
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NPFDPAPTNSQMSPPPQSVPRHPGAIPTQPSTPHSQNLFSVSAATAQPLCQGS
VQQQATRAPIPGQPIITYGSPYPQTSTPTHQRPAAPQQQYYQPQPPGQHP
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>comp15595_c0_seq3; 702 231 3323 LEN=3582; translated
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QKLCHAF LSTPQQRPLMVMSIGSVEVGNKPIRFLNQVDTSNFLVPTSL LAKVSNVEAMT
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YIPVLP PHLFQYLGAPVPYLI GILSAFV PKLNADGLGEMVI INLDTNQMETRGMNPM DVA
RKVPDLFQKAVSEQGPASTMSASEMLAQDLIDLKVDKRAIYGESTLTNVSETAAKATK
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RNEFGEEQAKIAFASFYLSIFGNMRWYLSAMP GKLP HLDRKRFLQOKRAMGGESTP IWPL
LQNFCE SQMLEEFAKARVDEVRLRKPVT TDSPLFTQCANYHRLNNIDFSVVNVRRVSRQV
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AAHQVYNLLVDRAKLFHIRRICVKKRLLLKQPEQSR YIKNTRISITHRFGAMHQHFNPNA
ARVAPAPRSGPLPSTGDDIFGLTSPSAGGIPAAPKSADVAQDIVGLFSNIDVSNQSSGGA
SPAPASRARNPFDPAPTPNSQMSSPPPQSVPRHPGAI TPQPSTPHSQNLFSVPVSAATAQP
LCQGS PAQQVQQQATRAPIPGQPI TYGSPYPQTSTPTHHQRPAA PQQQYYQPQPPGQHPP
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>comp15595_c0_seq4; 124 1 786 LEN=786; translated
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ISSRRHQDDHQPKSCPSLSP LRCATASSHSRKGDKKAGRQMKSGRCPDDPQRKSCLSL S
PVP SLTGSVH SKTLKTKSKASDHDHKYDTSSKGSVSMINSFHDSSVSFGSSLDMTTKPNS
LRSNESMASLNGNDSPPVKKIE

>comp15595_c0_seq5; 334 1 1689 LEN=2036; translated
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ISSRRHQDDHQPKSCPSLSP LRCATASSHSRKGDKKAGRQMKSGRCPDDPQRKSCLSL S
PVP SLTGSVH SKTLKTKSKASIASLTMKSDHDHNYDTSSKGSVSMINSFHDSSVSFGSSL
DMTTPNSLRNESMASLNGNDSPPVKKIERRRIKRRGSHSEQDHRPRSRSFDHNSRQSR
ASITDRRMQARRARSKSIDRSAAAKNGNEIRRRRSGIRSVKYSHDTQDELERINHSGQSG
SKNF INPGRKKTIKASQQKDTIDSKSISGESTLES HSSAGNTKIEESPLFKNPCAPKCI
ESIDVDDLRLSAADLLWKEIDGQIAGEKTLEMNDQSKSSKSD ETQKKEKQKKT RSAGD
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>comp15595_c0_seq6; 305 1 1206 LEN=1553; translated
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NTKIEESPLFKNPCAPKCI ESIDVDDLRLSAADLLWKEIDGQIAGEKTLEMNDQSKSS
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>comp15595_c0_seq7; 687 1 2290 LEN=2290; translated
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GNSVDDDS SDDGND EDDDDGDDNGDGDGKAESLRKKGGEERKDNRP PPKGISGGE
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>comp15596_c0_seq1; 574 1 3123 LEN=3382; translated
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>comp15596_c0_seq2; 951 499 4909 LEN=5168; translated
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>comp15596_c0_seq4; 392 1 2060 LEN=3346; translated
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>comp15596_c0_seq5; 408 1 2208 LEN=3494; translated
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>comp15596_c0_seq6; 935 499 4761 LEN=5020; translated
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>comp15596_c0_seq7; 735 611 2845 LEN=3043; translated
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>comp15596_c0_seq8; 558 1 2975 LEN=3234; translated
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>comp15596_c0_seq9; 769 499 3846 LEN=5132; translated
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>comp15596_c0_seq10; 214 1 880 LEN=2166; translated
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>comp15596_c0_seq12; 380 1 1795 LEN=2054; translated
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>comp15596_c1_seq1; 1211 170 3787 LEN=4039; translated
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>comp15609_c1_seq10; 497 276 1568 LEN=2662; translated
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>comp15610_c0_seq1; 1082 451 3798 LEN=3872; translated

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>comp15610_c0_seq2; 397 451 1325 LEN=1325; translated
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>comp15610_c0_seq3; 881 451 2939 LEN=2939; translated
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>comp15610_c0_seq4; 848 451 2816 LEN=3111; translated
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>comp15610_c0_seq5; 1043 451 3970 LEN=4044; translated
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>comp15611_c0_seq1; 1098 238 4477 LEN=4866; translated
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>comp15611_c0_seq2; 196 182 406 LEN=795; translated
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>comp15611_c0_seq3; 1098 219 4458 LEN=4847; translated
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>comp15611_c0_seq4; 1186 238 4349 LEN=4738; translated
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>comp15612_c0_seq1; 371 1 1974 LEN=2528; translated
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>comp15629_c0_seq1; 366 265 2386 LEN=2386; translated
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>comp15629_c0_seq2; 180 1 659 LEN=1152; translated
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>comp15629_c0_seq4; 523 265 2155 LEN=2155; translated
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>comp15629_c0_seq5; 158 1 501 LEN=994; translated
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>comp15630_c0_seq1; 630 136 2292 LEN=2382; translated
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>comp15630_c0_seq2; 619 882 2996 LEN=3086; translated

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>comp15631_c0_seq2; 275 203 1204 LEN=1770; translated
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>comp15631_c0_seq3; 931 108 3900 LEN=4466; translated
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>comp15632_c0_seq1; 659 413 2431 LEN=3014; minus strand; translated
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>comp15632_c0_seq2; 659 409 2427 LEN=3036; minus strand; translated
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>comp15632_c1_seq2; 618 60 2164 LEN=2466; translated
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>comp15633_c0_seq1; 278 475 2012 LEN=2510; translated
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>comp15634_c0_seq1; -6 1 231 LEN=231; translated
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>comp15634_c0_seq6; 969 190 2913 LEN=2913; translated
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>comp15634_c0_seq9; 61 1 212 LEN=1589; translated
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>comp15634_c0_seq14; 188 391 1014 LEN=1369; translated
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>comp15639_c0_seq1; 1795 388 7521 LEN=7611; translated
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TTPWEYNNFLNISTEDMNTQDKIKLRDAIGERRFRSWKLARSKTNSNDEDMGFFSQSTRE
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>comp15640_c0_seq1; 2156 289 5124 LEN=5309; translated
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KGLRDVIKKCNKVL EMLVRRRERYTFFRLPRPTEARDMDRIKNWNEKVERAVGAVTES
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SQIDVAVIPGGDKME EYIVTFFPGHLIRCEIYSTAAEVLSDPHF IGRANALGIVEATSR
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VISM RKIVYGEHSVPVAKTINAYAILLAKHGRMDAALQNYE SAKLTYMAVPTPLIRDPEF
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KNTAHKHLVAALGRIGSLKLIKIGDSNGALRAYTSLLEEVKADSPSASQTEKAKAHIKCAT
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>comp15641_c0_seq1; 122 89 1714 LEN=3346; translated
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DERPAPTASN FARKKNMXAGP GPPR PENPDLSDLLEGRGV LGSVLPQAARHPQGM RHARV
LVFPAPRPVPAGRGLRLSAREGQPQGRALSGLCAAGLLRGRALQDAARARAKGHERHRGL
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>comp15641_c0_seq2; 295 144 1692 LEN=1692; translated
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STG PSE RNDIGEC SG TARHDGPAAGEKECEGMPARPERLPARQAAPSARGADKTDSEPN
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CTASCNEKAFRVWKKI IGSNKSI SWACRYKVKIPAGFSNCSIRANGLTFSDDN SLLVIAF
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SSRSFKGWNWSSQKNCIITAVEFIERLGCIALAVYSAVEDQSRVVFVDINTGREGVNDRE
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PIKSIEYGTVSTIRFWSW NDSSTKNDSAPPYNEIASMTYPHGPKNRISAIDMSKDG SFA
CTASCNEKAFRVWKKI IGSNKSI SWACRYKVKIPAGFSNCSIRANGLTFSDDN SLLVIAF
GQTGTIWDTDGARLLTTFDHFQGNNDIEFVQFISPGLHKD LLLIQSKSCVSLRSPYGPY G
SSRSFKGWNWSSQKNCIITAVEFIERLGCIALAVYSAVEDQSRVVFVDINTGREGVNDRE
FSLSSVENIDGRISLCAVGKQRLKSNWDNTTHKGAKSPLTYALTSIGELMLITENRSN
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>comp15642_c0_seq4; 926 822 3989 LEN=6709; minus strand; translated

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LRELGNHGNASKQVDLGPYSISGSCFHPRRVIRVLKKDPIAHMTVPHIRTPQIRKDGVL
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VYYDQLHALEYAPMSIAMP SNNPLTVASISLNKADITCGHHHGNI CVMNNILNDIELYH
IAMKKAKRLTGDSSI STSKTVILPPDRKNMITSRVHWHALPVT SIVYDAMSYPM DPLLY
SGGDESVLVTWQISQGRDRPVHVHPR LALGGIVHLSSSDRCDDNPASGILVYCEDNTLQL
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PIKSIEYGTVSTIRFWSWNDSSSTKNDSAPPYNEIASMTYPHGPKNRISAIDMSKDGSFA
CTASCNEKAFRVWKKIIGSNKSIWACRYKVKIPAGFSNCSIRANGLTFSDDNSLLVIAF
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>comp15642_c0_seq5; 926 358 3525 LEN=6158; minus strand; translated

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MYVAARRLERKEEEEKDHPSKSTRVKSQKKDMSFTFEVIRVLVPHFDGSTRDVRLLSSPKE
SMRSLDKFKCKVSANKNKKYADMLPFRMMSAAKALSGDNSNTNTDNI SIFVILARADSI S
VYYDQLHALEYAPMSIAMP SNNPLTVASISLNKADITCGHHHGNI CVMNNILNDIELYH
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PIKSIEYGTVSTIRFWSWNDSSSTKNDSAPPYNEIASMTYPHGPKNRISAIDMSKDGSFA
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>comp15642_c0_seq6; 926 358 3525 LEN=6245; minus strand; translated

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ECVSMVKYQRNVSETTVQDVLD RMDLEDDDEIDGIEGTSSSVDETLIMVGCHDGSVREFS
LRELGNHGNASKQVDLGPYSISGSCFHPRRVIRVLKKDPIAHMTVPHIRTPQIRKDGVL
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>comp15650_c0_seq1; 1177 295 4281 LEN=4544; translated
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>comp15651_c0_seq5; 623 692 2479 LEN=3161; translated
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>comp15652_c0_seq1; 1291 276 6087 LEN=6506; translated
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XGIHLPGSIDLAGDRFDSFPDGAALFGPDAIPAAGFGQIIALIGALELGMKDVTEGAE
FAGDFRNGALDYGWDTFGPETKLRKRAIELNNGRAAMM
>comp15660_c0_seq2; 242 469 1614 LEN=1614; minus strand; translated
MQLFAAALALSSTLFGTSFVNADQGCGLGGVYGDKTTTKLDIMDSVVRENSLHKIGGQLRY
ESKTIESMRKSSILFLNTNQTVLREAVTLTPTLSFSDATQSDIFYPNSIFMTSDIGTV
RDRPVSLVTVVDGDYADIAQVWIDRKRGSYQMNKKEGGKFANINLQTVGKPKSSEG
NFRMCFVDTEITNELTTVEKFSWTVYDLDERGDKINKPVIKEKLIIDTKQARAFQLWPNE
AQSEVKLSCEDGSQLPNCNSGVRTVFSSTDGTGDDNPTDPNSLTDLQKRSRVTFTFIDTD
CWEFTYDHYCPVEQPEYDGPSPRKTCKKYTGGNFLFAGASEEINDGECLTSPSPPTASP
TPVPTAEPPTSPTPSPTANPTX
>comp15660_c0_seq4; 320 485 1392 LEN=1392; translated
MRGFVDDTDLKGDRLFQHLAQQLDRVVPLAPDVPRFVALLIKDAGSERVENTVDAFSLGA
GRPGLVKLHGDRRFVLIHNLDCVLERYIGDPVFLDEGDVSGEDASSSVNVGASVGLLVVG
DSVALAVGGSVGEAVGEAVGDSVAPTVMGSGVGLVGLVVGVEVVISRIVGNTVGATVSSD
VGDAVSNVVDVAVGKSEFSNFVGNVSNVVDVSGDVRVVGKSTAAVGEELLGDVVGPVGP
AVGDVVGLAVGGTVGLEDPVAVGDAVGDVGLPVGFVAVGLVGEVVGSAVGTGVGEAVGD
GGX
>comp15660_c0_seq5; 378 260 883 LEN=1029; translated
MKSALIFASLIATAAAAFAPAQQAKTSSALQVSELELGVTEPLGVFDPLGWLDTEPEAFERR
RAVERKHGRIAMAADVGTIVHNNHIVFDGYISPSNDLKFSDIPTGMAGIAAVPSAGLAQI
FLFVALIELAWMPASQYDGDYGVWGFGRDIEDPEEKARKLNVELNNGRAAMMGIFGNMVA
EQLTGQTMFEQYSAGHISPFGDGQGVF
>comp15660_c0_seq6; 370 1 1085 LEN=1274; minus strand; translated
XPPSPPTASPTPVPTAEPPTSPTPSPTANPTGSPTVSPPTASPTAGPSSRPTVPPTASPTTS
PTAGPTSGPTTSPSSSPTAAVDLPTTSLPTESPTSFDTAFPTKFENSDFPTASTTSFDTA
SPTSLDTVAPTVPFTILEMPTTSPPTSPKSPPLPTVGATESPTASPTASPTPEPTAKA
TESPTTSSPTDAPTTEDEASC PGDVTLIKKNGITDIPLENAIVNQDKSTVTVELHQ

WTSGTKRESVDSIFYSFRTSIFDQKCYESRDVGSQRYDTIELTCEVLKPIAFVEICVUDE
ASHGILVPGEGNDNATVPKCCHPEEISPEVPVVCYTVEIKCQTECVVEIERGRRGLRGSY
P

>comp15660_c0_seq7; 229 121 1330 LEN=1330; minus strand; translated
MQLFAAALALSSTLFGTSFVNADQGCLGGVYGDKTTTKLDIMDSVVRENSLHKIGGQLRY
ESKTIESMRLKSSILFLNTNQTVLREAVTLTTPTLSFSDATQSDIFYPSNIFMTSDIGTV
RDRPVSLVVTVDGDYADIAQVWIDRKRGSFYQMNGKKEGGKAFANINLQTVEGKPKSGEG
NFRMCFVDTEETNELTTVEKFSWTVYDLDERGKDKINKPVIKEKLIIDTKQARAFQLWPNE
AQSEVKLSCEDGSQLPCNSGVRTVHSSDGTGDDNPTDPNSLTDLQKRSVTFIDTD
CWEFTYDHYCPVEQPEYDGPSPRKTCKKYTGGNFLFAGESEEEIINGGECLTPPPSPTASP
TPVPTAEPPTSPTPSPTANPTASPTVSPTVSPTAGPSSRPTVP

>comp15660_c0_seq8; 410 260 880 LEN=980; translated
MKSAIFASLIASAAAFAPAQQAKSSTALNVNELEIGVTAPLGVYDPLGWLESQPESFERR
RAVERKHGRIAMAATVGVIVHNNHIVFDGYLSPSQNLKFSDIPTGVDGIRAI PNAGLLQI
LAFFALVELAWMPASQYDGDYGVGFGENLNPEEKTRKLNAEINNGRAAMMGIMGNMVVE
CMTGQTMYEQYSAGHISPFGDGAGAF

>comp15660_c0_seq9; 373 1 1103 LEN=1292; minus strand; translated
XPPSPTASPTPVPTAEPPTSPTPSPTANPTGSPTVSPTASPTAGPSSRPTVPPTASPTTS
PTAGPTSGPTTSPSSSPTAAVDLPTTSLPTESPTSFDTAFTKPFENSDFPTASTTSFDTA
SPTSLDVTVAFTVFPTILESEGPALPTTSPPTSPKSPPLPTVGATESPTASPTASPTTE
PPTAKATESPTTSSPTDAPTFTTEDEASCPGDVTLIKKNGITDIPLENAIAIKIVNQDKSTVT
VELHQSWTSGTKRESVDSIFYSFRTSIFDQKCYESRDVGSQRYDTIELTCEVLKPIAFVE
ICVUDEASHGILVPGEGNDNATVPKCCHPEEISPEVPVVCYTVEIKCQTECVVEIERGRR
GLRGSYP

>comp15660_c0_seq10; 366 260 775 LEN=775; translated
MKSAIFASLIASAAAFAPAQQAKSSTALNVNELEIGVTAPLGVYDPLGWLESQPESFERR
RAVERKHGRIAMA AVVGTIVHNNHIVFDGYLSPSNDLKFADVPTGMGGIAAIPSAGLAQI
FAFFALVELAWMPASKYDGDYGVGFDDIKDPEEKARKLNVELNNGRAAMM

>comp15660_c0_seq11; 373 1 1103 LEN=1237; minus strand; translated
XPPSPTASPTPVPTAEPPTSPTPSPTANPTGSPTVSPTASPTAGPSSRPTVPPTASPTTS
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SPTSLDVTVAFTVFPTILESEGPALPTTSPPTSPKSPPLPTVGATESPTASPTASPTTE
PPTAKATESPTTSSPTDAPTFTTEDEASCPGDVTLIKKNGITDIPLENAIAIKIVNQDKSTVT
VELHQSWTSGTKRESVDSIFYSFRTSIFDQKCYESRDVGSQRYDTIELTCEVLKPIAFVE
ICVUDEASHGILVPGEGNDNATVPKCCHPEEISPEVPVVCYTVEIKCQTECVVEIERGRR
GLRGSYP

>comp15660_c0_seq12; 81 1 93 LEN=400; translated
LNNGRAAMMGILGLMVHEQLGGSVPIVGEL

>comp15660_c0_seq13; 322 485 1410 LEN=1410; translated
MRGFVDDTDLKGDRLFQHLAQQLDRVPLAPDVPRFVALLIKDAGSERVENTVDAFSLGA
GRPGLVKLHGDRRFVLIHNLDCVLERYIGDPVFLDEGDVSGEDASSSVNVGASVGLLVG
DSVALAVGGSVGEAVGEAVGDSVAPT VSGVGLDLVGLVVGVEVVKAVGPSLSRIVGNTVG
ATVSSDVGDAVSNVDVAVGKSEFSNFVGNVAVSNDVGDVSGDRVVGKSTAAV GELLGDV
GPEVGPVAVGDVGLAVGGTVGLEDPVAVGDAVGDVGLPVGFVAVGLGVGEVVGSAVGTGV
GEAVGDGGX

>comp15660_c0_seq13;a 322 1 1103 LEN=1410; minus strand; translated
XPPSPTASPTPVPTAEPPTSPTPSPTANPTGSPTVSPTASPTAGPSSRPTVPPTASPTTS
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SPTSLDVTVAFTVFPTILESEGPALPTTSPPTSPKSPPLPTVGATESPTASPTASPTTE
PPTAKATESPTTSSPTDAPTFTTEDEASCPGDVTLIKKNGITDIPLENAIAIKIVNQDKSTVT
VELHQSWTSGTKRESVDSIFYSFRTSIFDQKCYESRDVGSQRYDTIELTCEVLKPIAFVE
ICVUDEASHGILVPGEGNDNATVPKCCHPEEISPEVPVVCYTVEIKCQTECVVEIERGRR
GLRGSYP

>comp15660_c0_seq14; 327 260 865 LEN=865; translated
MKSAIFASLIATAAAAFAPAQQAASTSLNAFEDALGAQPPLGFFDPLGLVESGDQE QFDR
LRFVEIKHGRIAMLAFLGQITTRYGVHLP GDIDKSGDAFASF PNGWAAIQGPDAIPGGGL
AQILAFIAVLELSIMKDITGGEFVGDFRNDYIDFGWDFSEEAKLSKRAIELNNGRAAMF
GILGLMVHEQLGGSQSLENSX

>comp15660_c0_seq15; 229 469 1678 LEN=1678; minus strand; translated
MQLFAAALALSSTLFGTSFVNADQGCLGGVYGDKTTTKLDIMDSVVRENSLHKIGGQLRY

ESKTIEMRLKSSILFLNTNQTVLREAVTLTTPTLSFS DATQSDIFYP SNIFMTSDIGTV
RDRPVSLVVTVDGDYADIAQVWIDRKRGS PYQMNGKKEGGKFANINLQTVEGKPKSGEG
NFRMCFVDTE TNELTTVEKFSWTVYDLDERGKDKINKPVIKEKLIIDTKQARAFQLWPNE
AQSEVKLSCEDGSQLPCNSGVRTVFHSSTDGTGDDNPTDPNSLTDLQKSRSVTFTFIDTD
CWEFTYDHYCPVEQPEYDGPSPRKTCKKYTGGNFLFAGESEEIINGGECLTPPPSPTASP
TPVPTAEP TTSPTPSPTANPTASPTVSPTVSPTAGPSSRPTVP
>comp15660_c0_seq16; 369 260 799 LEN=799; translated
MKSALFASLIATAAAAFAPAQQKAAS TSLNAFEDALGAQPPLGFFDPLGLVESGDQE QFDR
LRFVEIKHGRIAMLAFLGQITTRYGVHLP GDIDKSGDAFASF PNGWAAIQGPDAIPGGGL
AQILAFIAVLELSIMK DITGGEFVGDFRNDYIDFGWDKFSEEAKLSKRAIELNNGRAAMM
>comp15660_c0_seq17; 242 121 1266 LEN=1266; minus strand; translated
MQLFAAALALSSTLFGTSFVNADQGCLGGVYGDKTTTKLDIMDSVVRENSLHKIGGQLRY
ESKTIEMRLKSSILFLNTNQTVLREAVTLTTPTLSFS DATQSDIFYP SNIFMTSDIGTV
RDRPVSLVVTVDGDYADIAQVWIDRKRGS PYQMNGKKEGGKFANINLQTVEGKPKSGEG
NFRMCFVDTE TNELTTVEKFSWTVYDLDERGKDKINKPVIKEKLIIDTKQARAFQLWPNE
AQSEVKLSCEDGSQLPCNSGVRTVFHSSTDGTGDDNPTDPNSLTDLQKSRSVTFTFIDTD
CWEFTYDHYCPVEQPEYDGPSPRKTCKKYTGGNFLFAGESEEIINDGECLTSPPSPTASP
TPVPTAEP TTSPTPSPTANPTX
>comp15660_c0_seq18; 370 1 1085 LEN=1219; minus strand; translated
XPPSPTASPTPVPTAEP TTSPTPSPTANPTGSPTVSPTASPTAGPSSRPTVPPTASPTTS
PTAGPTSGPTTSPSSSPTAAVDLPTTLSPTESPTSFDTAFPTKFENSDFPTASTTSFDTA
SPTSLDTVAPT VFP TIELEMP TTSPTTSP TKSPTPLPTVGATESPTASPTASPT EPPTAKA
TESPTTSSPTDAPTFTED EASC PGDVTLIKKNGITDIPL ENAIKIVNQDKSTVTVELHQ S
WTSGTKRESVDSIFYSFR TSI FDQKCYESRDVGSQRYDTIELTCEVLKPIAFVEICV VDE
ASHGILVPGEGNDNATVPK CCHPEEISPEVPVVCYTV EIKCQTECV EIEERGRRLRGSY
P
>comp15660_c0_seq19; 447 15 530 LEN=530; translated
MKSALFASLIATAAAAFAPAQQAKTSTSLSVSELELGVTEPLGVYDPLGWLETQPESFERR
RAVERKHGRIAMA AVVGTIVHNNHIVFDGYLSPSNDLKFADVPTGMGGIAAIPSAGLAQI
FAFFALVELAWMPASKYDGDYGVGYFGDDIKDPEEKARKLNVELNNGRAAMM
>comp15661_c0_seq1; 134 1 276 LEN=802; translated
DKLPEDAKNAAKVLGYTSSTWDSGGQIPIAGKEWSDLTTKERDAAVVLGMTEAKWAKNPY
FETSQTGCIPLEFCASVETFATIYSSNQTEF
>comp15661_c0_seq2; 284 1 600 LEN=1126; translated
RMLPIPENKEVNYDSCDFRKLPIEVQRAAKFLGYTAAIWDNDGKVP IESKDWRKLSAEQQ
KAAS TLGYNEEKWDNESDSSSSSSDSSK PCTGTKSIIAKNMNRHDCNFDKLPEDAKNAAK
VLGYNSSTWDSGGQIPIAGKEWSDLTTKERDAAVVLGMTEAKWAKNPYFETSQTGCIPLE
FCASVETFATIYSSNQTEF
>comp15661_c0_seq4; 1058 309 3293 LEN=3819; translated
MVDLDEWKTTLIAVA VSI AINLTLP IWLRLAKLCDDNLCTKTRSEIPDINESEDGDDYT G
GGRHPCESSVVS DSKYSSLSSTVIAPLNAVLDARPRRTAGRPAHRQRRRRDRDRVYAAEL
TKLSFEESGIEVEHNIFFGDS CAGKSVMSKVS IDDISLNECSVGGE PVTKNMYSTVDIAP
KISCWEKLELSEWESSL TSLAGFYMIQGI IETATEIVEVALISHMIGITEGNAFMVNF
LFETSGVFSVGYQEALSVLPQAEGAGNDLLVGRYLQIVFIFSF LQCIPGFVLWSFYMYD
IMLWFNFDELTA EIAQQYTYSIFLYWIAESVNECLLEFLDVT DREKYVTIFAVVQAFISS
GTIVAMSTLGVSNMVAIGLAQSFVRITIMFVNFLIVSKKGWFDHVSEGLVKTFGLKDFRA
MWTTFITAIPLGVSWILSFG EWSMIVFAQWIGSDEVAAWNFLGYIWDFFESVTEAVASA
AEVRVGFVRMGAGK PQLAKKMSEKSIYFGTLCAIYTAGTLFVLA EFLPSWLTPNLVYQKLV
FDQLPLIGFGGILMVPGMVMESILNAQGRVRLMTMIEI ISSWFI VIPIAAILVYLFDFGL
EGMVI GLVVGYSTLSTICFFF IIRSNWEQLSKRVIKQNC AEGTRYLD TNWDEL PSEIREA
ASTLGYNKILWESGDEPASTE KAWNKLTKVEKKAAGVLYGNKKWNGEDDKGNGYEEYDF
DDLPPPEVRKAAKFLGYTSSVWDNDGKIPIEKKD WASLTPEQQDAATTLGYTEIKWNDDDS
DSSSSSPDSSIHGDSSMPP I PENKEVNYDSCDFRKLPIEVQRAAKFLGYTAAIWDNDGK V
PIESKDWRKLSAEQQKAAS TLGYNEEKWDNESDSSSSSSDSSK PCTGTKSIIAKNMNRHD
CNFDKLPEDAKNAAKVLGYNSSTWDSGGQIPIAGKEWSDLTTKERDAAVVLGMTEAKWAK
NPYFETSQTGCIPLEFCASVETFATIYSSNQTEF
>comp15661_c1_seq1; 294 3365 3775 LEN=3775; minus strand; translated
MTPDGKNTKWN GEDDKGNGYEEYDFDDLPPPEVRKAAKFLGYTSSVWDNDGKIPIEKKDWA
SLTPEQQDAATTLGYTEIKWNDDSDSSSSSPDSSIHGDSSMPP I PENKEVNYDSCDFR K
LPIEVQRAAKFLGYTAA

>comp15661_c1_seq2; 294 3272 3682 LEN=3682; minus strand; translated
MTPDGKNTKWNGEDDKNGYEEYDFDDLPEVRKAAKFLGYTSSVWDNDGKIPKEDWA
SLTPEQQDAATTLGYTEIKWNDDSDSSSSSPDSSIHGDSMPPIPENKEVNYDSCDFRK
LPIEVQRAAKFLGYTAA

>comp15662_c0_seq1; 185 855 2156 LEN=2156; translated
MGNTPVHSSSAGVPNRKPAXTLAKKPTPGPPIAGTDFSRPERAREEEPLGWFDECPNA
ADGVRSGQELAGGVGPEIVPRRPGALHRRGSYSDSCFGGGSDRNELPRSRRGPATVEE
GSGVDPVLPLEAIAPPRSLCAPPAAPGGGCAALPCRGFYRRNDAKRFGCSPSQETKATGV
AQIPAAPAQAVPPDISAAAAAAVPLFDENNTSLATVPVTLVGHGTGIHATPSIARALRQ
KLSALGRKSNRKHLAFQLLPGRITQSDHWSEEEESASQVENSHYSRNGIGREAYRNSGKK
HAPRATPEIESTQGTMDGTNSVQRKWITLLPRQIEDHSGSNKSKNSKPRSSSSCSPVLRDF
DPPDLFAPLSTVSAPEKQPVFGELDQLFSIEHSTGDLSTSMTTATHSLIDNTSYFCDDGS
SSLEYVMDDDDDD

>comp15662_c0_seq2; 168 1 1305 LEN=1305; translated
TMGNTPVHSSSAGVPNRKPAGRSRKSRLVRPLRERISLGGRSHERKSHWGGSTNAQT
QLMASVLARNWREVLVRARSFPDEVVPCTVEVPIPIILVSEADRTGTNYRGRDEGQLPSK
KAPVSIKRLRLPLHAACALRPPPQVVGVLVSHVVASTEETMPNGLVVPVPHKKQRLPV
LHRFRQRQHKQYHRISPPRRRQRAVPLFDENNTSLATVPVTLVGHGTGIHATPSIARALR
QKLSALGRKSNRKHLAFQLLPGRITQSDHWSEEEESASQVENSHYSRNGIGREAYRNSGK
KHAPRATPEIESTQGTMDGTNSVQRKWITLLPRQIEDHSGSNKSKNSKPRSSSSCSPVLRD
FDPPDLFAPLSTVSAPEKQPVFGELDQLFSIEHSTGDLSTSMTTATHSLIDNTSYFCDDGS
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>comp15662_c0_seq3; 254 451 1752 LEN=1752; translated
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LMASVLARNWREVLVRARSFPDEVVPCTVEVPIPIILVSEADRTGTNYRGRDEGQLPSK
APVSIKRLRLPLHAACALRPPPQVVGVLVSHVVASTEETMPNGLVVPVPHKKQRLPV
LHRFRQRQHKQYHRISPPRRRQRAVPLFDENNTSLATVPVTLVGHGTGIHATPSIARALR
QKLSALGRKSNRKHLAFQLLPGRITQSDHWSEEEESASQVENSHYSRNGIGREAYRNSGK
KHAPRATPEIESTQGTMDGTNSVQRKWITLLPRQIEDHSGSNKSKNSKPRSSSSCSPVLRD
FDPPDLFAPLSTVSAPEKQPVFGELDQLFSIEHSTGDLSTSMTTATHSLIDNTSYFCDDGS
SSLEYVMDDDDDD

>comp15662_c0_seq4; 52 1 408 LEN=408; translated
KKHAPRATPGIESTQGTMDGTNSVQRKWITLLPRQIEDHSGSNESKSKPRSSSSCSPVLR
DFDPPDLFAPLSTVSAPEKQPVFGELDQLFSIEHSTGDLSTSMTTATHSLIDNTSYFCDD
GSSLEYVMDDDDDD

>comp15663_c0_seq1; 1636 101 4879 LEN=5013; translated
MPLSPSQLQQTTASRDPIPKQPMLOPEFNSPDDVPVPPDDGTGQNKSGGEDSDKTGNEN
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MEGNDYSGCGEEDRDTEITVITKIVQYGNVLMNSFDNDDQDRERSFTNSNASTFSS
SMGAASWYFENS DPQTSQQNRPDLSVTKLPFEGGDDHDAKATGPTNEKEVTDNNTSD
IKNDRLEKRKKVFPNIKGRGGIGRI IHRNKANGPSLTRTSSYKSVGSENSKSWNQSRHNQ
NQHLKGGNEGCNTGRDQKICIDNDVNTQEKGFATFLAANDAALDANGEATSQPSNKHNSC
DPTGAVCSQSSFHYSENKEVVYDPNSFAEEKAI ISESFLFREQKIERSGSNKLPQQYDNH
EIVYDDSESKLRVFNHDHGVIEHGNAEFVRKPRSKAFERGSRTAVQPFTDFRAAKASVPQR
EKHKTNRGLQHKNEPHTSNRAPSMVQIPTDIMFAKENDEKEVIYEDDASSETKEGSRRSR
CSFGKKEGSGRSRSSFNRKKRQSKKEDTKDEDRSNQVESLYEGVSANEILNDIRIQEAR
SSYSRACHDHGKEVVYDSNTEGVVARTLPNDRFISSESYLADTDADKYADTDDAIPVQ
KRRSSTHTMARTARTARPIPNYANTGSLIPSSPTIDESCDSDQTDGKASDQTHCTLQIE
QTYDDSGIKPAKSSEADTKNCLDYLQSKKIESVAKEQNRNNQTKNRKFLRKKLQKRTET
QYIHVSCDEDDPGKTQRDI ELVVATKDVQNKLGFWRPDQQQLIKGDAQRRPGRSSNV
AYRSTRSKRTWNPERRLLCSRKHKEQREKSDRSVSKNNRKLQPSSTKQEIFPFGPAEIHDF
VFSDDRNDKDASENLYQKTENKLNFPMTETKEEPELKTKNVLTSMETATTMGTEDS
LCQIEVEDISTMSRPLISTLLREVESPKSTESKTSRDPQNVLETYPSVVEYVEYQEVTA
GDINTTTVEFQDEKTHANDSAYILEDIALGVPDTPVHPKCFDEAPNDIEGILCRVSTFVEE
VLEKNNFNGIVNDKECDVSYNPSHMESNAFTTEANDVMERSIVKMLGAPCIFVSNFNDKEY
EETESEKEDSFPF IGSSIAFGDSLPAISFDLDAPLLSWDLETVLDGDCSQSRGSKVCDYR
ELTLEHSLPTDLPQLQSDSKLLPNVDKANGYESFSSILGNLPHYRAAKTTVSKPVVDEKV
APASESKKQDVPVPSENNKSDDGDCEDIHSTGSLIRAEAAEDSKQTTQDEIYSPQLQ
VPAEEAENENPSTSVSHSGEIRRTRFVDFEGKPLSKQTGRTRGTNSLRTDKRNPPTKV
RRVPQVLPSTRTNATSGHTKTTNPAPRSLAAVTEARAKMRHSVQQKRSQPPKGEQVPKTP

KPASTKVPIARAVSDSGFP IVAEARPKAQEAGSDPKSLVSNRMGKSSTKVGAGSSNENS
SSNNNNYVVDKNGFLVDTTTAVLEDEESFESNQHKWSQRLRTPSPSTEASGEKNDSTS
HRFVPPQQAYWKLKLNADPVMLEEYRRRPSLSK

>comp15663_c0_seq2; 1188 101 3704 LEN=3704; translated
MPLSPSQLQQQTASRDPIPKQPMQLQPEFNPPDDVPVPPDDGTGQNKSGGEDSDKTGNEN
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MEGNDYSGCGEEDRDTETNVI TKIVQEYGNVLMNSFDNDDQDDRERSFTNSNASTFSS
SMGAASWYFENS DPQTSQQNRPDLSVTKLPEFEGDDHDDAKGATGPQTNEKEVTDNNTSD
IKNDRLEKRKKVPFNIKGRGGIGRI IHRNKANGPSLTRTSSYKSVGSENSKSWNQSRHNQ
NQHLKGGNEGCNTGRDQKICIDNDVNTQEKGFATFLAANDAALDANGEATSQPSNKHNSC
DPTGAVCSQSSFHYS ENKEVVYDPNSFAEEKAI ISESFLFREQK IERSGSKNKLPGQYDNH
EIVYDDSESKLRVFNHDHGVI EHGNAEFVRKPRSKAFERGSRTAVQPFTDFRAAKASVPQR
EKHKTNRGLQHKNEPHTSNRAPSMVQIPTDIMFAKENDEKEVIYEDDASSETKEGSRRSR
CSFGKKEGSGRSRSSFNRKKRQSKKKEDTKDEDRSNQVESLYEGVSANEILNDIRIQEAR
SSYSRACHDHGKEVVYDSNTEGVVRRARTLPNDRFISSESYLYADTDADKYADTDDAIPVQ
KRRSSTHTMARTARTARPIPNIYANTGSLIPSSPTIDESCDSTGKASDQTHCTLQGIE
QTYDDSGIKPAKSSEADTKNCLDYLQSKKIESVAKEQNRNNQTKNR IKFLRKKLQKRTET
TQIHVSCDDEDDPGKTQRDI ELVVATKDVDQNKLGFWRPDQQQLIKGDAQRRPGRSSNV
AYRSTRSKRTWNPERLLCSRKHKEQREKSDRSVSKNNRKLQSSSTKQEI PFNGPAEIHDF
VFSDDRNDKEDASENLYQKTENKLNFPMTETKEEPLKTKNVLNNTSMETATTMGTEEDS
LCQIEVEDISTMSRPLISTLLREVESSPKSTESKTSRDPQNVLETYPVVEYVEYQEVTA
GDINTTTVEFQDEKTHANDSAYILEDIALGVPDTPVHPKCFDEAPNDIEGILCRVSTFVEE
VLEKNNFNNGIVNDKECDVSYNPSHMESNAFTTEANDVMERSIVKMLGAPCIFVSNFNDKEY
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EX

>comp15663_c0_seq3; 1190 101 3719 LEN=3719; translated
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MEGNDYSGCGEEDRDTETNVI TKIVQEYGNVLMNSFDNDDQDDRERSFTNSNASTFSS
SMGAASWYFENS DPQTSQQNRPDLSVTKLPEFEGDDHDDAKGATGPQTNEKEVTDNNTSD
IKNDRLEKRKKVPFNIKGRGGIGRI IHRNKANGPKANGPSLTRTSSYKSVGSENSKSWNQ
SRHNQNLKGGNEGCNTGRDQKICIDNDVNTQEKGFATFLAANDAALDANGEATSQPSN
KHNSCDPTGAVCSQSSFHYS ENKEVVYDPNSFAEEKAI ISESFLFREQK IERSGSKNKLPG
QYDNHEIVYDDSESKLRVFNHDHGVI EHGNAEFVRKPRSKAFERGSRTAVQPFTDFRAAKA
SVPQREKHKTNRGLQHKNEPHTSNRAPSMVQIPTDIMFAKENDEKEVIYEDDASSETKEG
SRRSRCSFGKKEGSGRSRSSFNRKKRQSKKKEDTKDEDRSNQVESLYEGVSANEILNDIR
IQEARSSYSRACHDHGKEVVYDSNTEGVVRRARTLPNDRFISSESYLYADTDADKYADTD
AIPVQKRRSSTHTMARTARTARPIPNIYANTGSLIPSSPTIDESCDSTGKASDQTHCT
LQGIEQTYDDSGIKPAKSSEADTKNCLDYLQSKKIESVAKEQNRNNQTKNR IKFLRKKLQ
KRTETTQIHVSCDDEDDPGKTQRDI ELVVATKDVDQNKLGFWRPDQQQLIKGDAQRRPG
RSSNVAYRSTRSKRTWNPERLLCSRKHKEQREKSDRSVSKNNRKLQSSSTKQEI PFNGPA
EIHDFVFSDDRNDKEDASENLYQKTENKLNFPMTETKEEPLKTKNVLNNTSMETATTMG
TEEDSLCQIEVEDISTMSRPLISTLLREVESSPKSTESKTSRDPQNVLETYPVVEYVEY
QEVTAGDINTTTVEFQDEKTHANDSAYILEDIALGVPDTPVHPKCFDEAPNDIEGILCRVS
TFVEEVLEKNNFNNGIVNDKECDVSYNPSHMESNAFTTEANDVMERSIVKMLGAPCIFVSNF
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>comp15682_c0_seq3; 569 1 2342 LEN=2865; translated
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>comp15683_c0_seq3; 227 723 1927 LEN=1927; translated
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>comp15683_c0_seq4; 568 435 4062 LEN=4062; translated
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>comp15683_c0_seq7; 522 1 2060 LEN=2636; translated
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>comp15683_c0_seq11; 241 480 1954 LEN=1954; translated
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>comp15683_c0_seq12; 695 435 4232 LEN=4808; translated
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>comp15683_c0_seq13; 646 435 3930 LEN=3930; translated
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>comp15683_c0_seq14; 227 846 2050 LEN=2050; translated
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>comp15683_c0_seq15; 575 435 4026 LEN=4026; translated
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>comp15683_c0_seq16; 497 435 4158 LEN=4158; translated
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>comp15683_c0_seq17; 659 435 3939 LEN=3939; translated
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>comp15683_c0_seq18; 666 435 3903 LEN=3903; translated
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>comp15683_c0_seq20; 444 1 2192 LEN=2768; translated
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>comp15683_c0_seq21; 314 723 2082 LEN=2082; translated
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>comp15683_c0_seq22; 305 846 1918 LEN=1918; translated
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>comp15683_c0_seq23; 588 435 4035 LEN=4035; translated
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>comp15683_c0_seq24; 246 1 2118 LEN=2118; translated
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>comp15683_c0_seq25; 864 435 3977 LEN=4553; translated
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>comp15684_c0_seq2; 229 1 1808 LEN=3272; minus strand; translated
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>comp15684_c0_seq3; 346 149 1984 LEN=3448; minus strand; translated
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>comp15684_c0_seq5; 1050 3522 5150 LEN=5281; translated

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>comp15684_c0_seq7; 905 415 2029 LEN=2029; translated
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RRTFRNTSPYEIQFSPDGRKVASVDDFNKVKVWRVSDGTLQSFSGETYCEASDGGYGGSS
SGCSRCCRRTCGRYSSSSNTVTKENDGFEESPTSSSGDGS GGGLFPIHELAFSKNSSTV
AVISRYYNEVHLFSA

>comp15684_c0_seq18; 295 271 1908 LEN=3276; minus strand; translated
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VVAVAYSSSNRNLTKWNRKANNRRMLASSSTDGTIASGVSNQTLKRGGQEPVGIHGARQ
KHTQKQPNGYNLWQTGPRRSSQALICIAADHAYSLHFSPDNSYLVSGHLPVSRTTEATLQL
GETIQIWDVWTGIRLRRLEGGGVPVAFPLPSQTLPRDPSQLNSQKSYDYCATNDDQENK
GTSSASRTEHRLISSCGPSKCFKLWSWSGDGTRCDNTSNIAATEGDTVLENDRCVQRWFLD
PFNTVVPVPTGAMATGGGNDRSTKVRCELLVASIDGPDSFAIWNTSEPGKRRTFRNTSPY
EIQFSPDGRKVASVDDFNKVKVWRVSDGTLQSFSGETYCEASDGGYGGSSGCSRCCRRT
CGRYSSSSNTVTKENDGFEESPTSSSGDGS GGGLFPIHELAFSKNSSTVAVISRYYNEV
HLFSA

>comp15684_c0_seq19; 226 280 2050 LEN=3514; minus strand; translated
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ANNRRMLASSSTDGTIASGVSNQTLKRGGQEPVGIHGARQKHTQKQPNGYNLWQTGPRRS
SQALICIAADHAYSLHFSPDNSYLVSGHLPVSRTTEATLQLGETIQIWDVWTGIRLRRLE
GGVPVAFPLPSQTLPRDPSQLNSQKSYDYCATNDDQENKNGTSSASRTEHRLISSCGPSK
CFKLWSWSGDGTRCDNTSNIAATEGDTVLENDRCVQRWFLDPFNTVVPVPTGAMATGGGND
RSTCTENVRCELLVASIDGPDSFAIWNTSEPGKRRTFRNTSPYEIQFSPDGRKVASVDD
FNKVKVWRVSDGTLQSFSGETYCEASDGGYGGSSGCSRCCRRTCGRYSSSSNTVTKEND
GFEESPTSSSGDGS GGGLFPIHELAFSKNSSTVAVISRYYNEVHLFSA

>comp15684_c0_seq20; 234 1 1820 LEN=3284; minus strand; translated
XGHGTVCTVLKLRVSYHLTPERQNRNEKNRSLEQHKALTRCIEGTIQREHDCCCSPDHDN
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WPRKVVARDHSCRVRCLTFSDDHSLACGCFDGGKIRSWDVRTGELPLPYEGHWPDEAVVA
VAYSSSNRNLTKWNRKANNRRMLASSSTDGTIASGVSNQTLKRGGQEPVGIHGARQKHT
QKQPNGYNLWQTGPRRSSQALICIAADHAYSLHFSPDNSYLVSGHLPVSRTTEATLQLGET
IQIWDVWTGIRLRRLEGGGVPVAFPLPSQTLPRDPSQLNSQKSYDYCATNDDQENKNGTS
SASRTEHRLISSCGPSKCFKLWSWSGDGTRCDNTSNIAATEGDTVLENDRCVQRWFLDPFN
TVVPVPTGAMATGGGNDRSTCTENVRCELLVASIDGPDSFAIWNTSEPGKRRTFRNTSP
YEIQFSPDGRKVASVDDFNKVKVWRVSDGTLQSFSGETYCEASDGGYGGSSGCSRCCR
TCGRYSSSSNTVTKENDGFEESPTSSSGDGS GGGLFPIHELAFSKNSSTVAVISRYYNE
VHLFSA

>comp15684_c0_seq21; 341 215 1941 LEN=3309; minus strand; translated

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VVAVAYSSSNRNLTKWNRKANNRMLASSSTDGTIRIWRVQPNPETRRAGTCGDSWSKA
ETYSKTAERVQPLANGTASVFASTKRQRTATVGDEGNECEGVTKNSPTCLICIAADHAYS
LHFSPDNSYLVSGHLPVSRTEATLQLGETIQIWDVWTGIRLRRLEGGGVPVAFPLPSQTL
RDPSQLNSQKSYDYCATNDDQENKNGTSSASRTEHRLISSCGPSKCFKLWSWSDGTRCD
NTSNIAATEGDTVLENDRCVQRWFLDPFNTVVPVPTGAMATGGGNDRSTSTENVRCELL
VASIDGPDSFAIWNTSEPGKRRTFRNTSPYEIQFSPDGRKVASVDDFNKVKVWRVSDGTL
LQSFSGETYCEASDGGYGGSSGCSRCCRRTCGRYSSSSNTVTKENDGFEESSPTSSSGDG
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>comp15684_c0_seq22; 1050 3773 5401 LEN=5532; translated
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LTGLKAVDALIPIGRGQRELVIIGDRQTGKTAIAIDTIINQTKKEPLACIYVGVGQKRST
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KQAVAYRQMSLLRRPPGREAYPGDVFYLHSRLLERAAKMNSALGGGSLTALPVIETQAG
DVSAYIPTNVISITDGQIFLESELFYQQRPAISVGLSVSRVGSAAQYKATKAVAGTMKL
ELAQYREVAFAKFGSDLDAATQQQLNRGVRLYELLKQGQYEPQEPPEEVVASLYIGVKGY
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SE

>comp15684_c0_seq23; 224 235 1993 LEN=3457; minus strand; translated
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ANNRMLASSSTDGTIASGVSNQTLKRGQEPVGIHGARKHTQKQPNNGYNLWQTGPRRS
SQALICIAADHAYSLHFSPDNSYLVSGHLPVSRTEATLQLGETIQIWDVWTGIRLRRLE
GGVVPVAFPLPSQTLPRDPSQLNSQKSYDYCATNDDQENKNGTSSASRTEHRLISSCGPSK
CFKLWSWSDGTRCDNTSNIAATEGDTVLENDRCVQRWFLDPFNTVVPVPTGAMATGGGND
RSTKVRCELLVASIDGPDSFAIWNTSEPGKRRTFRNTSPYEIQFSPDGRKVASVDDFNK
KVWRVSDGTLQSFSGETYCEASDGGYGGSSGCSRCCRRTCGRYSSSSNTVTKENDGFEE
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>comp15684_c0_seq24; 274 336 2183 LEN=3551; minus strand; translated
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TFSDHSLACGCFDVKIRSWDVRTGELPLPYEGHWPDEAVVAVAYSSSNRNLTKWNRK
ANNRMLASSSTDGTIRIWRVQPNPETRRAGTCGDSWSKAETYSKTAERVQPLANGTASV
FASTKRQRTATVGDEGNECEGVTKNSPTCLICIAADHAYSLHFSPDNSYLVSGHLPVSR
EATLQLGETIQIWDVWTGIRLRRLEGGGVPVAFPLPSQTLPRDPSQLNSQKSYDYCATNDD
QENKNGTSSASRTEHRLISSCGPSKCFKLWSWSDGTRCDNTSNIAATEGDTVLENDRCV
QRWFLDPFNTVVPVPTGAMATGGGNDRSTSTENVRCELLVASIDGPDSFAIWNTSEPGK
RRTFRNTSPYEIQFSPDGRKVASVDDFNKVKVWRVSDGTLQSFSGETYCEASDGGYGG
SGCSRCCRRTCGRYSSSSNTVTKENDGFEESSPTSSSGDGSGGGLFPIHELAFSKNSSTV
AVISRYNEVHLFSA

>comp15684_c0_seq25; 295 232 1869 LEN=3237; minus strand; translated
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VVAVAYSSSNRNLTKWNRKANNRMLASSSTDGTIASGVSNQTLKRGQEPVGIHGARK
KHTQKQPNNGYNLWQTGPRRSQALICIAADHAYSLHFSPDNSYLVSGHLPVSRTEATLQL
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GTSSASRTEHRLISSCGPSKCFKLWSWSDGTRCDNTSNIAATEGDTVLENDRCVQRWFL
PFNTVVPVPTGAMATGGGNDRSTKVRCELLVASIDGPDSFAIWNTSEPGKRRTFRNTSPY
EIQFSPDGRKVASVDDFNKVKVWRVSDGTLQSFSGETYCEASDGGYGGSSGCSRCCRRT
CGRYSSSSNTVTKENDGFEESSPTSSSGDGSGGGLFPIHELAFSKNSSTVAVISRYNEV
HLFSA

>comp15684_c0_seq26; 1050 3825 5453 LEN=5584; translated
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NVTRTGAIVDVVPVGPPELLGRVVDGIGQPIDGGASLDKIKRSRAEAKAPGIIIPRESVSEPM
LTGLKAVDALIPIGRGQRELVIIGDRQTGKTAIAIDTIINQTKKEPLACIYVGVGQKRST

IAQLVGQLDERDAMDNCIIVAATASDSAPLQFLAPYTGAAAMGEYFRDSGKHAVIFYDDL
KQAVAYRQMSLLLRPPGREAYPGDVFYLHSRLLERAAKMNSALGGGSLTALPVIETQAG
DVSAYIPTNVISITDGQIFLESELFYQGQRPAISVGLSVSRVGSAAQYKATKAVAGTMKL
ELAQYREVAFAKFGSDLDAATQQQLNRGVRLYELLKQGQYEPQEPEEVVASLYIGVKGY
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SE

>comp15684_c0_seq27; 336 187 1901 LEN=3269; minus strand; translated
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VVAVAYSSSNRNLTKWNRKANRRMLASSSTDGTIRIWRVQPNPETRRAGTCGDSWSKA
ETYSKTAERVQPLANGTASVFASTKRQRTATVGDEGNECEGVTKNSPTCLICIAADHAYS
LHFSPDNSYLVSGHLPVSRTEATLQLGETIQIWDVWTGIRLRRLEGGGVPVAFPLPSQTL
RDPSQLNSQKSYDYCATNDDQENKNGTSSASRTEHRLISSCGPSKCFKLWSWSDGTRCD
NTSNIATEGDTVLENDRCVQRWFLDPFNTVVPVPTGAMATGGGNDRSTKVRCELLVASI
DGPDSFAIWNTSEPGKRRTFRNTSPYEIQFSPDGRKVASVDDFNKVKVWRVSDGTLLQSF
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>comp15684_c0_seq28; 336 215 1929 LEN=3297; minus strand; translated
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VVAVAYSSSNRNLTKWNRKANRRMLASSSTDGTIRIWRVQPNPETRRAGTCGDSWSKA
ETYSKTAERVQPLANGTASVFASTKRQRTATVGDEGNECEGVTKNSPTCLICIAADHAYS
LHFSPDNSYLVSGHLPVSRTEATLQLGETIQIWDVWTGIRLRRLEGGGVPVAFPLPSQTL
RDPSQLNSQKSYDYCATNDDQENKNGTSSASRTEHRLISSCGPSKCFKLWSWSDGTRCD
NTSNIATEGDTVLENDRCVQRWFLDPFNTVVPVPTGAMATGGGNDRSTKVRCELLVASI
DGPDSFAIWNTSEPGKRRTFRNTSPYEIQFSPDGRKVASVDDFNKVKVWRVSDGTLLQSF
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>comp15684_c0_seq29; 224 336 2094 LEN=3462; minus strand; translated
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TFSDHSLACGCFDVKIRSWDVRTGELPLPYEGHWPDEAVVAVAYSSSNRNLTKWNRK
ANNRRMLASSSTDGTIASGVSNQTLKRGQEPVGIHGARKHTQKQPNGYNLWQTGPRRS
SQALICIAADHAYSLHFSPDNSYLVSGHLPVSRTEATLQLGETIQIWDVWTGIRLRRLE
GGVPVAFPLPSQTLPRDPSQLNSQKSYDYCATNDDQENKNGTSSASRTEHRLISSCGPSK
CFKLWSWSDGTRCDNTSNIATEGDTVLENDRCVQRWFLDPFNTVVPVPTGAMATGGGND
RSTKVRCELLVASIDGPDSFAIWNTSEPGKRRTFRNTSPYEIQFSPDGRKVASVDDFNK
KVWRVSDGTLLQSFSGETYCEASDGGYGGSSGCSRCCRRTCGRYSSSSNTVTKENDGFEE
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>comp15684_c0_seq30; 1050 3708 5336 LEN=5467; translated
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LEGD
NVTRTGAIVDVVPVGPPELLGRVVDGIGQPIDGGASLDKIKRSRAEAKAPGII
PRESVSEPM
LTGLKAVDALIPIGRGQRELVI
GDRQTGKTAIAIDTI
INQTKKEPLACIYVGVGQKRST
IAQLVGQLDERDAMDNCIIVAATASDSAPLQFLAPYTGAAAMGEYFRDSGKHAVIFYDDL
KQAVAYRQMSLLLRPPGREAYPGDVFYLHSRLLERAAKMNSALGGGSLTALPVIETQAG
DVSAYIPTNVISITDGQIFLESELFYQGQRPAISVGLSVSRVGSAAQYKATKAVAGTMKL
ELAQYREVAFAKFGSDLDAATQQQLNRGVRLYELLKQGQYEPQEPEEVVASLYIGVKGY
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SE

>comp15684_c0_seq31; 346 166 2001 LEN=3465; minus strand; translated
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ANNRRMLASSSTDGTIRIWRVQPNPETRRAGTCGDSWSKAETYSKTAERVQPLANGTASV
FASTKRQRTATVGDEGNECEGVTKNSPTCLICIAADHAYSLHFSPDNSYLVSGHLPVSR
EATLQLGETIQIWDVWTGIRLRRLEGGGVPVAFPLPSQTLPRDPSQLNSQKSYDYCATNDD
QENKNGTSSASRTEHRLISSCGPSKCFKLWSWSDGTRCDNTSNIATEGDTVLENDRCV
QRWFLDPFNTVVPVPTGAMATGGGNDRSTKVRCELLVASIDGPDSFAIWNTSEPGKRRT
FRNTSPYEIQFSPDGRKVASVDDFNKVKVWRVSDGTLLQSFSGETYCEASDGGYGGSSGCS

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>comp15684_c0_seq32; 1050 3696 5324 LEN=5455; translated
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NVTRTGAIVDVPVGPPELLGRVVDGIGQPIDGGASLDKIKRSRAEAKAPGIIIPRESVSEPM
LTGLKAVDALIPIGRGQRELVIGDRQTGKTAIAIDTIINQKTKKEPLACIYVGVGQKRST
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KQAVAYRQMSLLLRPPGREAYPGDVFYLHSRLLERAAMNSALGGGSLTALPVIETQAG
DVSAYIPTNVISITDGQIFLESELFYQQRPAISVGLSVSRVGSAAQYKATKAVAGTMKL
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SE

>comp15684_c0_seq33; 226 336 2106 LEN=3474; minus strand; translated
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SQALICIAADHAYSLHFSPDNSYLVSGHLPVSRTEATLQLGETIQIWDVWTGIRLRLEG
GGVPVAFPLPSQTLPRDPSQLNSQKSYDYCATNDDQENKNGTSSASRTEHRLISSCGPSK
CFKLWSWSDGTRCDNNTSNIATEGDTVLENDRCVQRWFLDPFNTVVPVPTGAMATGGGND
RSTSTENVRCELLVASIDGPDFAIWNTSEPGKRRTFRNTSPYEQFSPDGRKVASVDD
FNKVKVWRVSDGTLQSFSGETYCEASDGGYGGSSGCSRCCRRTCGRYSSSSNTVTKEND
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>comp15685_c0_seq2; 271 1 620 LEN=620; translated
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SVSTDDREHAKSNVSNDFKHFQPTTAA

>comp15685_c0_seq4; 591 510 2102 LEN=2102; translated
MSYNSRAKVNPFLLIQDSNYDDEEYAWDDEEDDACHDDSDDEDEDYGYGNDDEQQMLMSNRG
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FWKYGLLTVGTIALAMAFGAPFSVSVFSPVETSDVEGNAGFASGGFASPSGNSRDDYRIV
VLGERHSGTHWMDRLRECFPDVSVSRLQRQGYLFQDDEATARSKWKLLQKKRSPASS
HGNEENDNSDNNDRGLHHGRSASAAPDTRTIVVHVTLNAYDWLERMRLSPEYAPAHIGS
HPGGGHPVPLPWSDFLSKPWTMERPEIDLEFENSTGPPVCQMGFAYQEVVSCRGRREKVPE
KSQRIAPPRIGDPVYELQPGGLAAASERNHTGGTFPPLIDLRAAKLKNHANVVDVSWPSV
AKRIHVQYESTAEVFRTTVVGILETTGWQPPSSSEDSWPCLNGFLPPPGLGSPHQMTEE
YARYVTDLLDWDTERAVANYAPWSEEILKGLVASSSTLGDEQDGRTSQQPG

>comp15685_c0_seq6; 372 271 972 LEN=1480; translated
MDSSPSSASPHTEGTPADAPDRSSEPRTISARDTVLESSEDELRRASATAAAPPENDN
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QQPDEPASPAPAPKSLFFLRPVHRYADLVCIASVFAYLLETTLNAALAIIFGIGVGVGL
VLGDSFRAALPLLPSVQSVQGAGAAAPAAPQAGQGDSQVFRPRDVSDDLPAQ

>comp15686_c0_seq1; 469 255 2102 LEN=2369; translated
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KPGGTEIDNNNSIFEDQLRNESDPTRFELINPPCPMNVTYAALDSLTFILVTLFLFTLS
SAEGGRYVDGMESVHTFRFVASVAAPVPLVFFVFLALIVPLHKRKRSHWKILGYTIGA
PLYHVTVRDFGFIGDILTSSVRPLQDIAFTTFYLLSGLQGWQSYDLDAADLPLESNWVL
HTMLPMMMSPLWYRFFCQNLRTYEQYKSRWPYLGNAKLYFIAAEVGFIFGVYMRSPGHST
LWLAGFVAATLYQIWDVFMWLNLLYVSSWKTLLNLKVFNRPNVLSIPTSFRLRKRTRISV
SWLYWGFGTNIVLRFWTLFPLPHYLNRAVLSSETFEGDLTAYLNPIIASGEIVRRTM
WGWLRVWEAIAKVARTEPRLRGTWTDLGEDEPDSNDLNPSSIEFQIMNVNNAPEKPE
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>comp15686_c1_seq1; 1448 334 5919 LEN=6036; translated
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GGGENQFLEFRVPSRQP I V S V G L A P P K K G V F R E V V E W C L V V T T K E E A M I C A I A K A S A T I E
D P R N G T S S S S P W T V V P T K F I V P S D W I S F L C V A S T K N G R I F L G G Q D G N V Y E L D Y D L L V K R
H Q Q Q S Q A Q R S G D G T G S V Q E R L D R F Y D G S D E T G S S S T E C P G V L V D K S L P A N T S T V E R V Y R N
G K R V L E I V T G S D T Q R Q Y Q R Q P P R K C R K L N H S Q N G I L R H L L P D F L N K V G T A L I S G A G F D S F
S T T A G G A I T Q M V V D D E R Q V L Y T L S S P K G W I C A M D L S P S P A T T D G A T G S P S P P V P S L A A V L
D A P A T A R L Y L E A V S R G R M N P P H T S G S N Q G I L H F L G S G E A A Q A G V G G M D G A R R V L K L V E Q A
K L R S N N R G R G G G S S G R R A G R G S G N G I N M L T P V S I R V V P N R E S T R I T L V A V T S G G M R Y Y L T
T L N P K T M G V G P T T A Y D R K P R H S N P W K P Y S R F T L C H V K A P P P V V A E D H Y Y Q N G G S R S S G G V
S A S A N A S G P S S T P K F P P S G A A P T V S R L L R V D A S C Y L N G S F L V A F Q P M G S I D T N T G G G A G S
A P T F D A R N D V L I A T T P D S A K R L T V K Y I R E E N N T I E S S R H A P G G I C E I V S R H L S K S K R V V G
G R V W D I E P A S C A R G R V L Y L A L H S K T P T D A D L G V G M V P V Y I T K S S N T S R N S S S K T T N G T I V
P A S S G S L S S A G F K V F T N M L L G R P A E Y G L E V Q K P L V K S L Q K S P S Y R I S K R S G S D G F S F T A A
D M S P Q S K S N S I S R S A R L S P W L L R P D V V P L D P L A L Q H L E R H E S T F L A L N S G G I H S Y Q S T S L
L G K L S E L I L A A G M N V R T D T K V T A F F E S Y G Y D E G C A M C L M L A I Q K G A S H D L R E W A I R A A M Q
R A Y R A Q L T P S I N S S Q L N I Q Q S Q P S N D E S W V P S G Y S F E S S A L C R G L C L S L A R L L R P M W Y K P
A V V V T E G R V V K R G S V S I T T P T K V E L L L D D D I L Q E I N Q P L K A L E E V V A T V F R K S I D S V P V K
G V N T S A V L S I A E A E E L A Q H I E E R N I H S V Y R L L T R T T Q L L S L L S C L R R A H S M P D L P E V E W G
L L H G I T V S Q L V E T S H G Q E R I E N L L N K L V T S G L E N M A M A S A D A N H L A N M L S Q Q C Y H Y F S P G
N R Y S Y L G F Q M A K E A L A L P P G Q A R R A V R A N E A A L H L K E A A K N W F S P S L I T G R V L Q T R E S E G
Y L E I A E R A I K Y N S P L A R A A S L L V D L E D V E G L V A V C L I T A T N F R V K G G N N G G Y E A S D A G G F
Y S W E N G L Y H K K P E A P A G S G P N G S S G K A M V L G T N V T S P D A I D T C Y S L I F Y Y L S K F L Q S F N E
R E K F L G D K M V S V C S F I D S D K A F L N A F F D H M L N N N H K D V L L R V T S P D L E K W L T L Q Q H D H P D
L L M N Y Y Q I Q E K G F E A G Q V A M S R A K E G N Q T M T L Q N R T E Y L E I A F V A F S G A L Q R N P M N Y S E I
E R R Q K E A E E L L S I A K L Q S R I L K S I D S T I Y E I D E Q D T K E L E Y S L L S A S D L Y N R F A N A Y D M H
E I C L L L I H A C Q F P N P D V I K E S W K R L L C S E I F P C S T R N N D V F Q S L E I F R E G F V T E M Q G L A L
L D T E S S G E H P V F E N G S W I S N V E E I V V R L G R Q I V G N G A D F V F P V E F L G G C L E E L R R I N E L A
T V T N E S T P N Q E W T F S V L I S V G V P F R V A F D T L Y K I I E N E N R G S T G A L D S S T H L T N L E A L V S
M L E S F I R D L R D G R L Q E Q N V N R L D L T S A V E R V K M Q L Q S V P E N I A A V E N R I S V V E H D I S R L A
P

>comp15687_c0_seq1; 151 1 463 LEN=490; translated
A I R S M K T Y L E A K E E W H R A R K G S F F G S P P K N S F R A Q P V E E D S S M D G S G I Y D T L P T C T T S V S
T W K A P V A V H D H S Q G G F P A G A V R L P V D Q G E C E R G A P K Q T C A G A T L S V H R F G G S R R M Q R I Q E
S G L E R A R A Q N G S D E E E L H G F K N E T T L K T I F H C F

>comp15687_c0_seq2; 317 1 1135 LEN=1162; translated
S D D P P S D P S H G V L I R S K S C F E T I D Q S V A V S G S R D E L T T S R S T R S L Q T K V L H R C I E F D P L A
I L E T L P R V E T Q P P E P G Q R P E Q E S S G P F G F S R V L P I H I A C L Y E A S S P V L R I L L E E Y S E G S
S R D V L G M L P V H M V A A K W S M G I A P P N A P A R E E E E A T E A F S T A G D G G F Q R D R L E T L V E S A P G S
L W K A S S A H G L R P L E Y A N T L A P G A A N R F D E N E N A K A I R S M K T Y L E A K E E W H R A R K G S F F G T
L A G A A R A P Q N S F R A Q P V E A S D G G D S S M D G S G I C D T L P T C T T S V S T W K A P V A V H D P S Q G A F
P A G A V R L P L D Q G E C E G G V P K P T S A G A T H S V H R F G G S R R M Q R I Q E S G L E R A R A Q N G S D E E E
L H G F K N E T T L K T I F H F S

>comp15687_c0_seq3; 75 1 541 LEN=648; minus strand; translated
L L A R R L R I A V G S R Q R G R P K D K G L P V F D R L D A V E R G N A H D Q R R G P A D A V L V L V Y M X R V R A C
A L R P S A A S P G S G A C G L V G R E V P P Y R V R V L P G V L A G V P S L R R L W F E W I V S C R V V S G L V G V M
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>comp15687_c0_seq4; 999 11 1453 LEN=1558; translated
M E E L E D D D D E N D D D L S M E E E L E E Y L V T K G L V S G N K F D R K R S D S R L T R H R S S I E E L Y G V Y D
D D D D D E E T M M E E L G M A I Y G I E N I D D D G L S D G L T V V E S R N E F D F D G S N G N N Y N H N N Y D D E D
D Y G F G V E D F D S L A E T S A S S Q L G D V M D S I R M L T E A D I V D E L G I E G G R D E L S K I L I D G A L A
K Q Q M I K S N V R L V T S I A K K W M R T S A S S V H K N R N A D N E K N R K G S N N L G D W S T P S L D E V V Q Q G
I V G L A I A A E R F E P E R K F K F S T Y A T Y I T N E I R Q I M Q S A T T Q C L Y V P P Y F Y T I K N K Y E K I V
R D N Y R E T A G D P A R S L G M D E I A A L L K L K R T R L E F I L K S T Q T L A Q L D A S L D T S N Y N A G K A G S
G P D G E K V E T L A D I L P A D D P S P E E I V E R S L L R Q C L E N A L A E L L P L E R D I V R L R H G L D D G K
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>comp15687_c0_seq5; 484 1 1579 LEN=1606; translated
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R A S A I S N E L E Q F F V S N S L A I T E G R S S L Q T T A N S G P T A K D P S D Y I G K D I S F E L E R F F E S F S
G D D T D E S S G D S S S L L Q W T S N G R M A M V G A S D D P P S D P S Q G D P I R S K S S F E T I D H S V A V S G S
R D E L T T S R S T R S L Q T K V L H R C I E F D P L A I L K T L P R V E T Q P P E P G Q C P E Q E S S G S F G V S R
V L P I H I A C L Y E A S S P V L R I L L E E Y S E G S S R D V L G M L P V H M V A A K W S M G I A P P N A P A R E E E

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>comp15687_c0_seq6; 214 1 554 LEN=554; translated
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KITRX

>comp15688_c0_seq1; 692 180 2774 LEN=2787; translated
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RSTKARTFRRVEAHSRFRKRSKAPSKLRNDFSPAYSNHVAFMTKTLSPVRKPKDSLHRPSS
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RAN EVEEQRRNQSHAADMAEISLRRKSMALKA EARKKQEVATTQNSVTGTIEHAKPAKGI
SDS SKESLFSKRKRDL ETPKSVVSSTKTDSALTGKRNVTISGDKLRPNRPASKTMDAK
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>comp15688_c0_seq2; 965 256 3816 LEN=3829; translated
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GRNKGARS AVRRHRDKIKRLQMASCYSASEDNSNSSGSANDTFDRFMEDPNLLPANAKN
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SKREEMFTKDTSP TSVMN LQVGNAGGVRWNKNLTQQEYILSPQQTKLNPDS DHSRPGSSGQ
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TTVTRIY CIVRIQAFARGFLVRKRVGFDLFEKDVYDAAATMIQTQWRAFACEMKFLRAYE
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HTKEDNASFQDQOQETLHTNKQNSVERKVAKHGSTSRDQA AKKLDDKRVEPEQVKSHEIELN
KSKARAVIERRRKERELEM RAN EVEEQRRNQSHAADMAEISLRRKSMALKA EARKKQEV
ATTQNSVTGTIEHAKPAKGI SDS SKESLFSKRKRDL ETPKSVVSSTKTDSALTGKRNV
TIS GDKLRPNRPASKTMDAKDEVTKTSGGQKTS DKKSSADPKPMQPKSESKAGNQAGK
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>comp15688_c0_seq3; 617 180 2549 LEN=2699; translated
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VERKVAKHGSTSRDQA AKKLDDKRVEPEQVKSHEIELNKSKARAVIERRRKERELEM
RAN EVEEQRRNQSHAADMAEISLRRKSMALKA EARKKQEVATTQNSVTGTIEHAKPAKGI
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VKLET

KPANRNIKI

>comp15688_c0_seq4; 890 256 3591 LEN=3741; translated
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>comp15689_c0_seq1; 468 919 2613 LEN=4659; minus strand; translated
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NDKKTDLVDIGMMSVAFQFLC LSACYVSLFIEDDSTFTIMLVGGVCLSRVGLWVFDITVT
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>comp15689_c0_seq2; 468 805 2499 LEN=4545; minus strand; translated
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>comp15689_c0_seq3; 468 620 2314 LEN=4465; minus strand; translated
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>comp15689_c0_seq4; 468 805 2499 LEN=4769; minus strand; translated
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NDKKTDLVDIGMMSVAFQFLCLSACYVSLFIEDDSTFTIMLVGGVCLSRVGLWVFDITVT
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>comp15689_c0_seq5; 468 493 2187 LEN=4233; minus strand; translated
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>comp15689_c0_seq8; 468 919 2613 LEN=4778; minus strand; translated
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NDKKTDLVDIGMMSVAFQFLCLSACYVSLFIEDDSTFTIMLVGGVCLSRVGLWVFDITVT
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>comp15689_c0_seq9; 468 919 2613 LEN=4883; minus strand; translated
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FENVAVVATILCYKLLSRDHDLITRYGNVTPVDPNMSRGE EPLYNLESVSLLVGIHLLG
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>comp15689_c0_seq10; 468 805 2499 LEN=4650; minus strand; translated
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SICWAGFSL SLLYLNVTLTFGNIMTVYLVWRGIGMEVIGIWRGIASVAGLSGTFVYHFLA
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>comp15689_c0_seq11; 468 620 2314 LEN=4479; minus strand; translated
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>comp15689_c0_seq12; 468 919 2613 LEN=4764; minus strand; translated
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>comp15690_c0_seq1; 752 1 2300 LEN=2300; translated
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ERKVAETEKLRMQTQVQANEKIHTKTKYRRVAKAKEDSLRKRLTKLEEENNILREESESR
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EHTQKKLEEV MREKEALMEEIESYESFKEESSVLTEKLANSLQEKQKAVIESQSLASKIE
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YYTFADIEEKKIVIQSLTKDLQVLKETS KDELIKSSKKA INLHLQLRGAKRELLEIQQSE
IEVTEERN DLQERKLEEEI IADMDSRVK KATKMYEDEQAVVNE LKIQIETVTKSKEIAE
VKHRELIEALSLQIASKTSELSSCREKLD EMDLLTKDVVATSEN LKTQVESVTKSKEEAE
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>comp15690_c0_seq2; 278 1 932 LEN=932; translated
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KDVVATSEN LKTQVESVTKSKEEAE LQYQESIESLSLQLESKSEL TMCQGRVKEIQYLK
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EKQLMI ISNLQSQLDAVTKSKDESESKYEESMVSLSTELSRKTELLLCQSRLEQTL SQK
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>comp15690_c0_seq6; 591 1 1680 LEN=1680; translated
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FKEESSVLTEKLANSLQEKQKAVIESQSLASKIEAENYELSKQIADANS DVEQLLEEKLL
LEDKLAKTWKDIEQTKNDASTIHETLMKLENGEYYTFADIEEKKIVIQSLTKDLQVLKE
TSKDELIKSSKKA INLHLQLRGAKRELLEIQQSEIEVTEERN DLQERKLEEEI IADMDS

RVKKATKMYEDEQAVVNELKIQIETVTKSKEIAEVKHXRELI EALS LQIASKTSELSSCRE
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>comp15690_c0_seq7; 697 1 2146 LEN=2146; translated
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ILREESERLIELGMARTMVTEMEFRIVEAEREKVEITNRLEDASCSIQELEESILLSKE
SDQNNHGIIEHTQKKLEEVREKEALMEEIESYESFKEESSVLTEKLANSLQEKQKAVIE
SQSLASKIEAENYELSKQIADANS DVEQLLEEKLLLEDKLAKTWKDIEQTKNDASTI HET
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VTKSKEEAELQYQESIESLSLQLESKKSELTMCQGRVKEIQYLKDEQSKMNANLQSQLDD
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>comp15691_c0_seq1; 642 167 1789 LEN=2236; translated
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>comp15691_c0_seq2; 323 184 897 LEN=1344; translated
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DCSERNDYEIRDFLFYMMHAFGSCGFGIIVLGDIMCYRGGKVVHGTMLCLAI IICAKRG
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>comp15691_c1_seq1; 513 76 1002 LEN=1473; translated
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ELSEPSASPSTSASTSTSTSTSTGEDGGSTREEQYEAAL EEGKSMTLSNLKKEKELKERGIS
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IDITDSMN

>comp15691_c1_seq2; 513 76 1002 LEN=5390; translated
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ELSEPSASPSTSASTSTSTSTSTGEDGGSTREEQYEAAL EEGKSMTLSNLKKEKELKERGIS
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IDITDSMN

>comp15692_c0_seq1; 1466 200 5737 LEN=5814; translated
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SREGNPLTGI IPLLPSRRELIPDGYTVLERS PRNFVATFRSSKAPVFLSYRQLANLELL
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GMTIEEGLRHLLTEGGFRLPGEAQQIDRLISTFARCYWEDNIGDQIHCPVDDKDTIFLIS
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AEVGVSTVDEAKLCLARSIMTKSWHQVHGLINSALKIAHLDPKALESCIDLLKFSCLTIL
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EESFQPEIRKERSNKKIESLNNVDEMGMNKTAHVADAARRRIMRDVTRRIENAEF
LLNDPTRSFLREGDIMKRANRSGKDVEYRFFLSDILYISKIKRSSAKFSASSPIKYRI
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DLVHVVF AEVINSQPDHLHFFVLTGCTNAFPEDQHGNPIDDVSP2DCNVQLGGWAPGMDP
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VAKPLIWV2TYGPKSLAIPANESRFYTSRTCQVQSSCTDAPDENLQRLVKLMGLAGDDEDG
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LRSFACGV2DDEFHKT2DVHTGTLSEEDGRNIWRDHPIGD2TKRCTYPVRDYIFSDSVITRD
EICPEDDGDEDVEE2EF2SKGAGICDSYNPLPSVEVLFMDATIAGATCTGGKYDQMDGNEQF
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>comp15693_c0_seq3; 903 72 2798 LEN=3389; translated
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EICPEDDGDEDVEE2EF2SKGAGICDSYNPLPSVEVLFMDATIAGATCTGGKYDQMDGNEQF
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VAKPLIWVITYGPKSLAIPANESRFYTSRTCQVQSSCTDAPDENLQRLVKLMGLAGDDEDG
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EICPEDDGDEDVEEEFSKGAGICDSYNPLPSVEVLFMDATIAGATCTGGKYDQMDGNEQF
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>comp15694_c0_seq1; 829 1004 3907 LEN=4422; translated
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TFTSID

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>comp15695_c0_seq2; 100 163 522 LEN=864; translated
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>comp15695_c1_seq1; 330 692 1450 LEN=1450; translated
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>comp15695_c1_seq2; 1312 692 5317 LEN=5681; translated
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>comp15696_c0_seq1; 1635 37 5901 LEN=6061; translated
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>comp15697_c0_seq1; 844 1246 4305 LEN=4305; translated
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>comp15697_c0_seq2; 589 735 2633 LEN=2701; translated
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>comp15697_c0_seq3; 511 1246 2778 LEN=2846; translated
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>comp15697_c0_seq4; 587 735 2654 LEN=2868; translated
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GNSVLRLRFGPHSKKRSQDISLYHLLYDSGKINRLTYIGKGGSDDDNDVSNNRKPEAVIE
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>comp15697_c0_seq5; 509 1246 2799 LEN=3013; translated
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>comp15697_c0_seq6; 922 735 4160 LEN=4160; translated
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GNSVLRRLRFGPHSKKRSQI SLYHLLYDSGKINRLTYIGKGGSDDDNDVSNNRKPEAVIE
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>comp15698_c0_seq5; 337 1 2397 LEN=2470; minus strand; translated
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>comp15698_c0_seq9; 569 1 2017 LEN=2017; minus strand; translated
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>comp15698_c0_seq13; 27 1 647 LEN=647; translated
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>comp15705_c1_seq6; 2659 1 11322 LEN=11450; translated
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>comp15707_c0_seq2; 226 1 971 LEN=971; minus strand; translated
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>comp15707_c0_seq5; 595 1 1639 LEN=1639; translated
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>comp15707_c0_seq7; 197 1 779 LEN=876; minus strand; translated
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>comp15707_c0_seq8; 1402 1 4200 LEN=4252; translated
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>comp15707_c0_seq10; 1365 1 4098 LEN=4150; translated
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>comp15718_c0_seq2; 1836 137 5551 LEN=5821; translated
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>comp15719_c0_seq1; 1111 70 4998 LEN=5169; translated
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KSLCPATSSPFFVVTQVEVELPADGEAVVSTSIAPLVEGDLEILGFRYKLLGKVWLYHSF
DIPGPLLKDTRTNIMNKVRGKSVYLKSKIECDMPCLTAEVRRFQPGSPTVDIDDGPMLE
GQISTWTIRLRNVGSAPASTVTLKTNLPWIDIVEQEGARSMRDNSNPTSHCVGPGSGLTMT
LPIEGSIQPNGTLDIPIRVRTSGEKKQDFYMLYRYELEGGSEEGQSKRRRSRWLRKMYEIP
VYPSLSFSAKPLACYWKGKDLLVSVQLSNRDLRPTDLYVTLDRLSLTSRRYRLEALPGQ
FTRSEEFQDVLDQIGWQEQVTVFYRVVLPESDTEETIVSSDCPFSESGCTTTNECASFSA
TNYLCLANAFASFQSTWKAHKKEIMRIENTPDGEKEHPRSIIHSIRRANTTDVIRGENDPAL
AEIENHPTSAGSLCRRSTSEIHLTCSWRAILGQEVVHGEHHLRGIPIRPHFTFFHGCP
AASADHASRMEHDFSENHPIPIKMTLKNLMLETVPVSWDPPTSVRSSLELIGTCQ
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LDSKAN

>comp15723_c0_seq1; 172 1 498 LEN=498; translated
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DPSEQCDESPDYISGLKICEVINPSMEPSIEPHIEPSIEPSIEPSI

>comp15723_c0_seq2; 140 1 559 LEN=559; translated
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LCELDLSSQLPRCDPLQLNPCIDPSEQCDESPDYISGLKICEVINPSMEPSIEPHIEPSIE
PSIEPSI

>comp15723_c0_seq3; 275 1 1198 LEN=1198; translated
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NPDYESLVKVCEDLSHMLPSCDPLQWNPCIDVSDFGWCPFGTENRDILPICSWTEPTSGLN
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>comp15723_c0_seq4; 256 1 1039 LEN=1039; translated
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CHPLQKRNCIDPSEECPFDSDFYGHLLHICEDLLPDPDTNRCGSTQPAPCIDPSDECNSDL
NPDYESLVKVCEDLSHMLPSCDPLQWNPCIDVSDFGWCPFGTENRDILPICSWTEPTSGLN
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>comp15723_c0_seq5; 173 1 696 LEN=696; translated
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DPSEQCDESPDYISGLKICEVINPSMEPSIEPSIEPSIEPSIHHNSNEQSIEPSIESSIEP
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>comp15723_c0_seq6; 327 1 1515 LEN=1515; translated
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SGLNRCDEEQEYPCIDPGAECSSDLNLFEMLKVCNDKATELNRC DALQLLPCLDMTNEC
NAVLNPDYESLYLCEDLSSQLPRCDPLQLNPCIDPSEQCDESPDYISGLKICEVINPSME
PSIEPSIEPSIEPSIHHSNEQSI E P S I E S S I E P S M E P S M Y P S M D P S M Y Q S T Y P S I Y
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>comp15723_c0_seq7; 269 1 1210 LEN=1210; translated
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NPDYESLKVCTDLSHMLPSCDPLQWSPCIDISAIYGDSA WC PFGTENRNILP ICSGMEPV
SGLNRCDEEQEYPCIDPGAECSSDLNLFEMLKVCNDKATELNRC DALQLFPCLDVSVDL
TSPSRLPCPDWTEHRSA LD ICSGMEPN SGINRCHMDQQYPCID X
>comp15723_c0_seq9; 48 1 280 LEN=280; translated
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>comp15723_c0_seq10; 311 1 1552 LEN=1552; translated
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NPDYESLKVCTDLSHMLPSCDPLQWSPCIDISAIYGDSA WC PFGTENRNILP ICSGMEPV
SGLNRCDEEQEYPCIDPGAECSSDLNLFEMLKVCNDKATELNRC DALQLFPCLDVSVDL
TSPSRLPCPDWTEHRSA LD ICSGMEPN SGINRCHMDQQYPCIDAMFDCTFDLNPFFFEALK
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>comp15723_c0_seq11; 304 1 1177 LEN=1177; translated
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NPDYESLYLCEDLSSQLPRCDPLQLNPCIDPSX
>comp15723_c0_seq12; 326 1 1317 LEN=1317; translated
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TENRSSLPFCQGMEPTAGLNRC DSSQDHPCIDPGEECTSALNPLIEYLVKVCEDLATLLPR
CHPLQKRNCIDPSEECPFDSDFYGHHLHICEDLLPDPDTNRCGSTQPAPCIDPSDECNSDL
NPDYESLKVCTDLSHMLPSCDPLQWSPCIDISAIYGDSA WC PFGTENRNILP ICSGMEPV
SGLNRCDEEQEYPCIDPGAECSSDLNLFEMLKVCNDKATELNRC DALQLLPCLDMTNEC
NAVLNPDYESLYLCEDLSSQLPRCDPLQLNPCIDPSEQCDESPDYISGLKICEVINPSME
PSIEPHIEPSIEPSIEPSI
>comp15723_c0_seq13; 154 1 453 LEN=453; translated
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MLPSCDPLQWNPCIDVSDFGWCPFGTENRDILPICSWTEPTSGLNRCDDQOEYPCIDPGA
ECSSDLNLFEMLKVCNDKATELNRC DVLQWX
>comp15723_c0_seq14; 173 1 612 LEN=612; translated
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MLPSCDPLQWNPCIDVSDFGWCPFGTENRDILPICSWTEPTSGLNRCDDQOEYPCIDPGA
ECSSDLNLFEMLKVCNDKATELNRC DALQLFPCLDVSVDLTSPSRLPCPDWTEHRSA LD
ICSGMEPN SGINRCHMDQQYPCID X
>comp15723_c0_seq15; 107 1 360 LEN=360; translated
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VCTDLSHMLPSCDPLQWSPCIDISAIYGDSA WC PFGTENRNILP ICSWMEPV SGLNRCDD
>comp15723_c0_seq16; 141 1 757 LEN=757; translated
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PCIDPGAECSDSMNPWAYTLNVCEDMATELNRC DALQWNPCLDMTNECNVGLNPDYESLY
LCEDLSSQLPRCDPLQLNPCIDPSEQCDESPDYISGLKICEVINPSMEPSIEPSIEPSIE

PSIHHSNEQSIIEPSIIESSIEPSMEPSMYPSPMYPSPMDPSMYQSTYPSIYPTNSDAPSVQPS
LSFSPTSLPRCSD
>comp15723_c0_seq17; 202 1 591 LEN=591; translated
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MLPSCDPLQWNPICIDVSDFGWCPFGTENRDILPICSWTEPTSGLNRCDDQQEYPCIDPGA
ECSSDLNLGFEMLKVCNDKATELNRCDALQWYPCLDMTNECTAGLNPDYESLYLCEDLSS
QLPRCDPLQLNPCIDPSX
>comp15723_c0_seq18; 317 1 1540 LEN=1540; translated
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TENRSSLPFCQGMPTAGLNRCDSQDHPICIDPGEECTSALNPLIEYLVKVCEDLATLLPR
CHPLQKRNCIDPSEECPFDSDFYGHHLICEDLLPDPDTNRCGSTQPAPCIDPSECNNDL
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RCDDQQEYPCIDPGAECSSDLNLGFEMLKVCNDKATELNRCDALQLFPCLDVSVDLTSPS
RLPCPDWTEHRSAIDICSGMEPNNGINRCHMDQQYPCIDAMFDCTFDLNPFFEALKVCED
LGMELNHCDPLHWVPCIDLSGECFPGSEYQAGLPICDLPVQYGCSTSSDWGTRLTAPWDYK
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>comp15723_c0_seq19; 188 1 924 LEN=924; translated
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TENRSSLPFCQGMPTAGLNRCDSQDHPICIDPGEECTSALNPLIEYLVKVCEDLATLLPR
CHPLQKRNCIDPSEECPFDSDFYGHHLICEDLLPDPDTNRCGSTQPAPCIDPSECNNDL
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SGLNRCDD
>comp15723_c0_seq20; 170 1 570 LEN=570; translated
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VCTDLSHMLPSCDPLQWSPCIDISAIYGDSAWCPFGTENRNILPICSMEPVSGLNRCDE
EQEYPCIDPGAECSSDLNLGFEMLKVCNDKATELNRCDALQLFPCLDVSVDLTSPSRLPC
PDWTEHRSA
>comp15723_c0_seq21; 71 1 348 LEN=348; translated
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SVDLTSPSRLPCPDWTEHRSAIDICPGMEPNNGINRCHMDQQYPCIDPMFDCTFDL
>comp15723_c0_seq22; 101 1 664 LEN=664; translated
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SVDLTSPSRLPCPDWTEHRSAIDICPGMEPNNGINRCHMDQQYPCIDPMFDCTFDLNPFF
EALKVCEDLAMELNRCDPLQWVPCIDPSECPFGPEYQAGLPICDLPVQYGCSTSSDWGTR
LTAPWDYKEVISTDNPLLCEDICRNRGYAFFGFECPHGTFXS
>comp15724_c0_seq1; 351 3938 5260 LEN=7836; translated
MAFLRGLIVIIIGLFSFSAVYGTEDPHSGETVRVPVIDLAPWFDGSLKQKNQQQEPRRTE
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ELSVEEKLLHGTTDNTKYPYGYERSETLVKKGKSIDGEDEDLPGEKASSSVAADLKETF
VGPPTGNGSGMPPRQWIDSENISSDFQISLEAYYKRMEELAMVLLRIFAFALGESPDFFE
DKMDHMSALRLVHYYPLEPKAENEDAGKETQEOPIAHRLVRAGAHTDYGALTILAPQDE
GLEVLLRDASNAQGTGEGSTQNKTKPTARWHPVPLVPGAFVVNLGDLMQRWTHHEWVS
TMHRVMPSTEARERRYSMAYFVNINGDTPIETLRCCRGTAGDEGPVITAGEHLMKHLA
SMGTTSDKTKFSGSGKNSL
>comp15724_c0_seq2; 618 272 1705 LEN=1839; translated
MTHLALCVWILISTTKITALSAFQSSEQSGHKTSSRCSTYTDVDQPSSSLATDGNLNRDI
KALESWAQGGVSKGNFVLSENNIGDWSVSVTDAGSSGERVLQIPSSLVLSATIREEK
EIFDNSSAAIEFLKSNKLDQVDQFLWLKVLQYEQYKGEESKFHPWLSLPRTFNAICM
DEVELDCLAPFAWSLAKIEILHKDKFIEALQLTKGIVSQETKENYNLLRWFVNVVFSRCW
GDGDEDEDRLDIVPMGDMFNHAPHANVFIDYDEDRNCNIIILKEDVKPGDALNLSYGF
PNPYRFLVVFVGFVDESLETIYSQLLSAKPSKRHVDMGYDVSKMTFNVTGDSFTTEEVWDFV
YSLLEQVPTIQDAYEAIHSGNQDGKDSIRRYKYLETCIMLKKHVDNTLLEMEDLIKID
EHNMDHEHEILPMIRNNVVFARVFSKVYNVDNMIQEELMARKAEEKEQQRSGTFL
>comp15724_c0_seq3; 351 3938 5260 LEN=7848; translated
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ELSVEEKLLHGTTDNTKYPYGYERSETLVKKGKSIDGEDEDLPGEKASSSVAADLKETF
VGPPTGNGSGMPPRQWIDSENISSDFQISLEAYYKRMEELAMVLLRIFAFALGESPDFFE

DKMDHHMSALRLVHYYPLEPKAENEDAGKETQEOPIAHRLVRAGAHTDYGALTILAPQDE
GLEVLLRDASNAQGTGEGSTQNKTKPTARWHPVPLVPGAFVVNLGDLMQRWTNHEWVS
TMHRVMPSTEARERRYSMAFVNINGDTPIETLRCCRGTAGDEGPVITAGEHLMKHLA
SMGTTSDKTKFSGSGKNSL

>comp15724_c0_seq4; 351 4169 5491 LEN=8079; translated
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ELSVEEKLLHGTTDNTKYPYGYERSETLVKKGKSIDGEDEDLPGEKASSSVAAADLKETF
VGPPTGNGSGMPPRQWIDSENISDFQISLEAYYKRMEELAMVLLRIFAFALGESPDFFE
DKMDHHMSALRLVHYYPLEPKAENEDAGKETQEOPIAHRLVRAGAHTDYGALTILAPQDE
GLEVLLRDASNAQGTGEGSTQNKTKPTARWHPVPLVPGAFVVNLGDLMQRWTNHEWVS
TMHRVMPSTEARERRYSMAFVNINGDTPIETLRCCRGTAGDEGPVITAGEHLMKHLA
SMGTTSDKTKFSGSGKNSL

>comp15724_c0_seq5; 351 4169 5491 LEN=8067; translated
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ELSVEEKLLHGTTDNTKYPYGYERSETLVKKGKSIDGEDEDLPGEKASSSVAAADLKETF
VGPPTGNGSGMPPRQWIDSENISDFQISLEAYYKRMEELAMVLLRIFAFALGESPDFFE
DKMDHHMSALRLVHYYPLEPKAENEDAGKETQEOPIAHRLVRAGAHTDYGALTILAPQDE
GLEVLLRDASNAQGTGEGSTQNKTKPTARWHPVPLVPGAFVVNLGDLMQRWTNHEWVS
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>comp15724_c0_seq6; 618 272 1705 LEN=1827; translated
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EIFDNSSAAIEFLKSNKLDQVDQFLLWLKVLQYEQYKGEESKFHPWLSLPRTFSSNAICM
DEVELDCLAPFAWSLAKIEILHKDKFIEALQLTKGIVSQETKENYNLLRWFANVVFVSRWC
GQDGEDEDRLDIVPMGDMFNHAPHANVFIDYDEDRCNII LKEDVKPGDALNLSYGFPF
NPYRFLVVFVGFVDESLETIYSQLLSAKPSKRHVDMGYDVSKMTFNVTDGSFTEEVWDFVL
YSLLEQVPTIQDAYEYEAHISGNQDGKDSIRRKYYLETICIMLKKHVDNTLLEMEDLIKKID
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>comp15725_c0_seq1; 312 482 1625 LEN=1625; minus strand; translated
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TPTRCANNETDVISSLVKSIGSISFQFTMCFEENGNLYLPGQYPESTKWFNPANPF
GGEGPFWSLKGPSDGSVGI LARGSDGHETSIGEITSTEYNEGWCVDSDGTYGFI
NSMILRKIANVWADDEEATQIFACYSVDCMLKVLEKQLQOQSLERKEEADHLNSLVPDLV
RGFDGGDIVDGSLLLYETYPSSGIYLSWQPGNELCFGTGFLLYKTVVFDNSEPSTPRI
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>comp15725_c0_seq2; 178 285 646 LEN=646; translated
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SALKARSLFSVFLHFSIFGLILFYAYICEYHPPYQHADKNYDADLFFFLTFLLFVVS
A

>comp15725_c0_seq3; 441 482 2247 LEN=2574; minus strand; translated
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TPTRCANNETDVISSLVKSIGSISFQFTMCFEENGNLYLPGQYPESTKWFNPANPF
GGEGPFWSLKGPSDGSVGI LARGSDGHETSIGEITSTEYNEGWCVDSDGTYGFI
NSMILRKIANVWADDEEATQIFACYSVDCMLKVLEKQLQOQSLERKEEADHLNSLVPDLV
RGFDGGDIVDGSLLLYETYPSSGIYLSWQPGNELCFGTGFLLYKTVVFDNSEPSTPRI
GIVSEEGDCNEHXLGEIEFGGQTQLVQLDTGSQMFMPLPNKPSMQMDAWPDSCLNIFWV
GDGIVYAYVNKDDGKCSKYAPLIASSNYDSQLTLDFGVGYVYVGPVDFLRTLMEVQPF
AQPLRAYCGKKKGYRKDLSPSFHYFPIGSNLTGELWKKPPDQLSPSVVSAFASDIGIEVT
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>comp15725_c0_seq4; 178 309 670 LEN=670; translated
MGSSSTIKNSYDAASVAHTSTMASAMFGTIIIFATVALAVRAVLRGDHKPLFQAASHPKS
SALKARSLFSVFLHFSIFGLILFYAYICEYHPPYQHADKNYDADLFFFLTFLLFVVS
A

>comp15725_c0_seq5; 657 1 2801 LEN=3858; translated
XILFYAYICEYHPPYQHADKNYDADLFFFLTFLLFVVSFAFTWQKHIPDDKSLATYDAPGD

KSHDEADQNGNRSNGAVAVANDKTEVLNRNQTEEWKQWQFMFLLYHYHAEVYNSIRI
MITCYVWMTGFGNFSFFYLKADYGIIRVLQMLWRLNFLVLFCLCTQGTTFILYYICLLHT
YYFFMVYVVMRIGHEHNYTKWVVRTKLAVLGVVIYLVWDTNLVLFKLIHFPPFFGETPMMG
ATGGAMWEWYFRSSLDHWSTYMGMI FALNFPITSLFYRKLES LPPVQHLYLAKGMTGAALF
AVFYFVWTGPFMQGKFDYNQTNAYYGI IPLITYIYFRNLTPFLRNHSLDLLHQIGKTTL
TYLMQHIIWLTSDAKSLTLVPGWPKVNFLLSVIYVTF SRRLYQLTLYLRGMMLPDDRS
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VEQPSRGSNNPNKAMVTS CAVAAMAVMMVGAGWHTMAVRGAGKIQSLPPSCGAYANKG
QWMSLNGCDEGPRGEEYRKFVSTVSTCSAQNPVSVWGWDQASASHCRFKQRDTKSLKK
HLKDRTIYFVGDSITRYMYHSFCRQLGIADAGAYDTTIEKHANLSQEVGDVSVFEFKWAAL
STELVESIGNLTLNADDHNLDLVVLGGGTWDKNYMYNTDEEKEAVKSSLENLKI KMEEL
RKLKVPVVWITPTTMTAALSDQKRKNINEEEMKVIRELYENKGILSASSFVIDGESFTS
TRVSE SFDGVHYPHHVYSAGTQILCNALDWLLPIPNKGLPVPPKQPGAMAHPTALIIIC
FAIAGIFFFDGFLGMSYLA AIVAPSVSPKHLWYEAFASTLHQTKNLPSVEMQEIPSTIPVQ
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>comp15725_c0_seq6; 491 1 2801 LEN=5830; translated

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ATGGAMWEWYFRSSLDHWSTYMGMI FALNFPITSLFYRKLES LPPVQHLYLAKGMTGAALF
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VEQPSRGSNNPNKAMVTS CAVAAMAVMMVGAGWHTMAVRGAGKIQSLPPSCGAYANKG
QWMSLNGCDEGPRGEEYRKFVSTVSTCSAQNPVSVWGWDQASASHCRFKQRDTKSLKK
HLKDRTIYFVGDSITRYMYHSFCRQLGIADAGAYDTTIEKHANLSQEVGDVSVFEFKWAAL
STELVESIGNLTLNADDHNLDLVVLGGGTWDKNYMYNTDEEKEAVKSSLENLKI KMEEL
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>comp15725_c0_seq7; 490 482 2323 LEN=2650; minus strand; translated

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TPTRCANNETDVISSLVKSGS ISSFQFTMCFEENGNLYLPGQYPESTKWF PANPF IAS
GGEGPFWSLKGPSDGS SVGILARGSDGHETSIGEITSTEYNEGWCVDSDGTYGFI FPQKF
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GIVSEEGDCNEHDYSEKGNIVKMSAPGGLSNVLQRGVFLGEIEFGGQTQLVQLDTGSQM
FMLPNKPSQM DAWPDSCLNIFWVG DGIYVAYVNKDDGKCSKYAPLIASSNYDSQLTLD
GFVGYVGPVDFLRTLMEVQPF AECQPLRAYCGKKKGYRKDLSPSFHYPFIGSNLTLGE
WKKPPDQLSPSVVSAFASD IGI E VTC SMT GAP SDE DGGESDHEEEGGKSKKNKGKGTTS
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>comp15725_c0_seq8; 657 1 2801 LEN=4033; translated

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>comp15725_c0_seq9; 491 1 2801 LEN=5568; translated
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TRVSE SFDGVHYPHHVYSAGTQILCNALDWLLPIPNKGLPVPPKQPGAMAHPTALIIIC
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>comp15725_c0_seq10; 491 1 2801 LEN=5644; translated
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RKLKVPVWITPTTMTAALS DQKRKNINEEEMKVIRELYENK GILSASSFVIDGESF TS
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>comp15725_c0_seq12; 159 1 605 LEN=605; minus strand; translated
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>comp15725_c0_seq13; 655 401 2305 LEN=2418; translated
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QPLEDQHGGKFDLILHKLTEDILTC SLMESEDS SDRGDSNEIEAGEQASEDPSQKRVA
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APHRDRTR ELKQALQNNNEGDDTTLSTPLIVKPLIAAGTKQSHCMFIALKDSALTRLPK
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GLETEKSDDVNARGSCA QFPVTVEEVRPIVEALKRAFGLLELFGFDILMGSNSGQCFVVDV
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>comp15725_c0_seq14; 491 1 2801 LEN=5754; translated
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RKLKVPVWVITPTTMTAALSDQKRKNINEEEMKVIRELYENKGILSASSFVIDGESFTS
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>comp15725_c0_seq15; 189 1 681 LEN=681; minus strand; translated
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>comp15725_c0_seq16; 657 1 2801 LEN=3847; translated
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>comp15726_c0_seq1; 1929 529 4842 LEN=4952; translated
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LNDGDEIPGEDEENDEAMVNEAKEFTKLEAESEFLAKAVGEMRSIVLDNARLIKTGAV
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EEEADLSMRTAIEDKMLSLGEDNATKKGVDIDVTSKNI ITRSDSIAKEEVVTKEGDKE
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LLWASSLQKNEI SPSSRN TAADIEIEK GKEDKLVDCYTVVEKEDGEEIEEMTVHEYAESV
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HSQKDYKDN SPGRREFALPAPLMATE TDCSRNSLLREQQR PATDTEKENSETRRYMMR
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GLVEEII SIVKEPNAMQNKMLLAERITFLLVGDVEEETKSNTSFSSCCLSPSKTVEHSP
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KGM LLEPPKTPSPK KLGDR LKMFES PSSSCSSPFTNDR CNRGRAERNTKGKADRAPISLF
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>comp15726_c0_seq2; 1240 1 2841 LEN=2951; translated
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IVRWILRNCIYDNSTTNNNPNTCSNNFCERNETEIKTKSTDHGHPRSDHGC DYPNGFYVN
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LVERLETLLCFASQMTTTRKQTLVANRVTPASNDCKNGNENYHTAAVPTKEETK KSTPMS
SRMTTAGSMRASTSMGQLRYKNREDEDDDSYSDRPQVTEEKSN DTKSLNYNDSQNMPPVI
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KLLV

>comp15727_c0_seq3; 784 1 3153 LEN=3296; translated
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ILVGLIRRRKFKLALQVRVYFPTEATMEVKTHILPRCCCKDKNISHTTAIATNNGSSYHV
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>comp15727_c0_seq4; 899 1 3394 LEN=3537; translated
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>comp15727_c0_seq5; 1181 61 4146 LEN=4289; translated
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>comp15727_c0_seq7; 1092 1 4038 LEN=4181; translated
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>comp15729_c0_seq6; 224 1 1310 LEN=1310; minus strand; translated
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>comp15729_c0_seq7; 243 1 1343 LEN=1343; minus strand; translated
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>comp15729_c0_seq8; 2530 207 7241 LEN=7514; translated
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>comp15729_c1_seq1; 835 1 4183 LEN=4323; translated
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>comp15730_c0_seq1; 357 1 795 LEN=795; translated
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>comp15730_c0_seq2; 609 102 1547 LEN=1547; translated
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>comp15730_c0_seq3; 648 51 2213 LEN=4813; translated
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>comp15730_c0_seq5; 1214 102 3693 LEN=6382; translated
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>comp15730_c0_seq8; 962 1 2941 LEN=5541; translated
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LKEKRVHEESELLSELEPSEHKEVENDIDASLQGTGETPDKISGSYRDLSEQE QSDSEKD
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NNVDVPETGDNIEGKEKSAENAI IDDTNPNATPNHLSHLCQPNFQEDEKSLKPNDLDFP
PNSNEFATKLLTAALLAKQQEQEALQGKTKTPTVEDQTQLLAPSIQTKTVSTNITPPQS
PERVAVQTTQGSVIADPALFRNTFLTDVSPSRSLAEKRRKVKETRQRAMAIRNASSRIVI
DDNRLCKTNAKDSAVVNGIEAKNYSTKRSQTSLSMKQRQKVEEPPFSISRSISRSPKLP
ASSPRSVHSMEMPIMIRETDRLSGFIRRYENKLETVCRSLLTVASATGEDSETLAARKLDLP
EMFEF ITQQDWYKEHSQDLNSLDLPHLKF SKRRSRDGRHSNDNNEYKITATGKEFMQLDG
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>comp15731_c0_seq2; 793 1 2277 LEN=2531; translated
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NHLSHLCQPNFQEDEKSLKPNDLDFPNSNEFATKLLTAALLAKQQEQEALQGKTKTPT
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VCRSLLTVASATGEDSETLAARKLDLP EMFEF ITQQDWYKEHSQDLNSLDLPHLKF SKRR
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>comp15731_c0_seq3; 1699 1 4399 LEN=4653; translated
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NAASLKTAFTRKYDYDSKKEKYVYPSVSVQAVFNFLIEEAEHFNGEIPFNISTALCTIV
AARLKGNI DEVDSDSIVKGSVNVILPDEQNKTAPQTTEESIALNDVRNVREEQNTNGI
SATKSQAENNERMKKIKHDLFSVIKHA EATDLRESITDEVFEALMRAANRNVFVKKYFDV
TTDQFIYYP SITKRILDNSLFEARQFCSAGDLPLKYVSALHAAAEVKSSKSTEVNELDD
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IDKALVNLESNFSSQVKRLEKEVNECNQKHQTERKRIEKKRNKIEQQFLADERILMDQTK
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KLRREELEKEIDDIK AELNVVQKGAKVKKRRVNLKEKLENESECKNEE IADENEERLQO
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IEHEKEEMYQRNAIALKEKRVHEESELLSELEPSEHKEVENDIDASLQGTGETPDKISGS
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IQTKTVSTNITPPQSPERVAVQTTQGSVIADPALFRTNFLTDVSPSRSLAEKRRKVKETR
QRAMAIRNASSRIVIDDNRLCKTNAKDSAVVNGIEAKNYSTKRSQTSELSMKQRQKVEEP
FSISRSISRSPKCLPASSPRSVHSMPEMIRETDRLSGFIRRYENKLETVCRSLLTVASAT
GEDSETLAARKLDLPEMFEF ITQQDWYKEHSQDLNSLDLPHLKFSKRRSRDGRHSNDNNE
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>comp15731_c0_seq4; 1358 164 4129 LEN=4228; translated
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TWKPLTEYDENTPPI IKKQGSEI IDLSGWGSHISGTEIEQPLMLGHETKSSKMTHADNLT
FPARNPSRWQPIEHDESTQPLMGRALKDSTKITASKENTNLELGDIQQRNNLRGRKGRLE
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IPVSFDPFFVGDAAELPQQSRYDIFDSCRLSNINIRDLQPNVETAGRKQDRQTYRVQD
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SAADF IKYYKLRQRERDLRNDNNIPTQAYWNGLLSESVEQESGAVGENDIKSNDVVRGSHG
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LKQRSEQERAMSILRGSNIRNIEEVDGSLKSNRDRRNLFEVSGERGKYPQFFLQKKEEM
VIYLGDFEWLTYMNDIGSLTNETIYGVLD SAHPLTERNEIQDESERI IENQYSEKNPLFL
ERGVALLRIPQQQINQSNICIEQLCVEDEITNGIDSDSMHVIPS IHNVSIETRNCIPMYNA
DVEVIDVEAIASSRRFAESVDAREQVIEEPKLSMDIVESRNMVYDQKQVQDLVHRVDEATD
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DLSISSRSARSSIKSEFISADGMQNSP SRPTSTTVSYEQERNDDTQSTTSDDENRMNTLS
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HRRRQSMGGCSVSLPGNEEQPLGASLNEIEMMNTFLAVAGPNFDGSLSAKEMEELHDRSR
NAGLPVEFTNRMLDQAAGIFMCDGNND SKLP IKQGSRIAESLPMRDNEVPSIPPLSTNN
NTYDEAGFTRKTPKEHSALDCFKSTFLAESSNIVGGMIENIQA AVSGDSSDTKSGWRSL
DMIENIKASLSGDSSDQKGGWRSIDIIGSVKATLSGDSSDNKTGWRSSNVFESIKTALSG
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C

>comp15731_c0_seq5; 430 1 1336 LEN=1590; translated
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QTKTVSTNITPPQSPERVAVQTTQGSVIADPALFRTNFLTDVSPSRSLAEKRRKVKETRQ
RAMAIRNASSRIVIDDNRLCKTNAKDSAVVNGIEAKNYSTKRSQTSELSMKQRQKVEEPF
SISRSISRSPKCLPASSPRSVHSMPEMIRETDRLSGFIRRYENKLETVCRSLLTVASATG
EDSETLAARKLDLPEMFEF ITQQDWYKEHSQDLNSLDLPHLKFSKRRSRDGRHSNDNNEY
KITATGKEFMQLDGPVQSDVSRFLAHIEYTKVGVTRHSMLEHWKEISRASEDVQNQRVCD
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>comp15731_c0_seq6; 480 1 1556 LEN=1810; translated
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NVMAGISNPDVRFDQVTCVTNTSNVSENNVDVPETGDNI EGKEKSAENAI IDDTNPATP
NHLSHLCQPNEFQEDEKSLKPNDLFDPPNSNEFATKKLLTAALLAKQQEQEALQGKTKTP
TVEDQTQLLAPSIQTKTVSTNITPPQSPERVAVQTTQGSVIADPALFRTNFLTDVSPSR
LAEKRRKVKETRQRAMAIRNASSRIVIDDNRLCKTNAKDSAVVNGIEAKNYSTKRSQTSE
LSMKQRQKVEEPFSISRSISRSPKCLPASSPRSVHSMPEMIRETDRLSGFIRRYENKLET
VCRSLLTVASATGEDSETLAARKLDLPEMFEF ITQQDWYKEHSQDLNSLDLPHLKFSKRR
SRDGRHSNDNNEYKITATGKEFMQLDGPVQSDVSRFLAHIEYTKVGVTRHSMLEHWKEIS
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>comp15731_c0_seq1; 21 1 292 LEN=292; translated
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>comp15732_c0_seq3; 127 1 370 LEN=657; translated
XSVYLVGTGVELEKPGLELTYTFPATTTEQFIHALVVKGSSVNGISYFSTDPDLSYSLIED
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VCAW

>comp15732_c0_seq4; 264 1 705 LEN=1340; translated
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ELEKPGLELTYTFPATTTEQFIHALVVKGSSVNGISYFSTDPDLSYSLIEDYEGKGGVKL
WGNRNYKSESLSDGDEMYNGGIFLQPTLHREIPPPTVISLTIIDPSGDEPVVVCWA
>comp15732_c0_seq5; 264 1 705 LEN=914; translated
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AGKDISYDCAELAYESVPRGFNRCNRNGEEDDYSGDGDYFSMGGPNVASVYLVSGAVLEE
ELEKPGLELTYTFPATTTEQFIHALVVKGSSVNGISYFSTDPDLSYSLIEDYEGKGGVKL
WGNRNYKSESLSDGDEMYNGGIFLQPTLHREIPPPTVISLTIIDPSGDEPVVVCWA
>comp15732_c0_seq6; 93 1 419 LEN=419; translated
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CNSLREEDSFAGVDDYFSMGGPNLASAYLVSGVVLEKSSDAPSDTPSGVHSATPSRSLSE
VPSRQPSHVPSEVPSEIHS
>comp15732_c0_seq8; 264 1 705 LEN=1160; translated
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ELEKPGLELTYTFPATTTEQFIHALVVKGSSVNGISYFSTDPDLSYSLIEDYEGKGGVKL
WGNRNYKSESLSDGDEMYNGGIFLQPTLHREIPPPTVISLTIIDPSGDEPVVVCWA
>comp15732_c0_seq9; 264 1 705 LEN=1338; translated
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AGKDISYDCAELAYESVPRGFNRCNRNGEEDDYSGDGDYFSMGGPNVASVYLVSGAVLEE
ELEKPGLELTYTFPATTTEQFIHALVVKGSSVNGISYFSTDPDLSYSLIEDYEGKGGVKL
WGNRNYKSESLSDGDEMYNGGIFLQPTLHREIPPPTVISLTIIDPSGDEPVVVCWA
>comp15732_c0_seq10; 141 1 511 LEN=511; translated
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GPLEIYTQVPYGTASDQGKRVRDPWSHMELIPKNDPLKCEQICKERGYQX
>comp15732_c0_seq13; 139 1 443 LEN=443; translated
XSFSVTVEMDDYGFVWSNGMWEVHREPTYTFPATTTEQFVHGLVVKGSSVNGIISSTD
PDLSYSLIEDYEGVGGVELWGNRDYKSESLSGGDKMYNGGIFLQPSKHRDIPPPTVISLY
IDPAGDEPVVVCWAVIDIHTNVWDGGWLS
>comp15732_c0_seq14; 127 1 370 LEN=987; translated
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VCAW
>comp15732_c0_seq17; 127 1 370 LEN=744; translated
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YEGKGGVKLWGNRNYKSESLSDGDEMYNGGIFLQPTLHREIPPPTVISLTIIDPSGDEPVV
VCAW
>comp15732_c0_seq18; 128 1 494 LEN=494; translated
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APEEPLAYEQHGCTVYNGGSQYGRTRQSDVYVYSGPDYEAFSPEX
>comp15732_c0_seq19; 55 1 310 LEN=310; translated
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QFFGFECPHDNGFRVHCECNARADGRGPEDKRWSDPRSAGKD
>comp15733_c0_seq1; 1229 225 2756 LEN=8543; translated
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PEPTEHVASGKSDAPPPTYENVGSFTPPSPSYDNVLSKEDEEEEAMLAELVGGGEKSEK
TMEVTEAPATQSSANSNDSDSHASGGNEMFTDNELMDEEMMTEFRLGGVKGIPQTQEE
YAAKVLAYKLLALKSKQEGDIPKATQNLRAAKQLEKVATALKNMEDGLGLRIHEDSHGWM
ETLNPEESDLLGELFASSPANNEAGNEEDGKPTDRLTLDDLEDMDDDNDVIELVEMMGP
DALPTVEEVTEKINEHKQALQYKQEGNIELAKSLLQSKKAKLHAMRLAEIYRKRLEQRK
SNGADHDGDDGNEQISMEALESLVDGNKKPDEPAPKQSPPEPSKDPWLLKPSSEIKAEV
IRLKNEKQVKEATRLLQLFKQKLAEEQRQVELVKCSKLTDTIQKRIDVSETQRRLWQYYQ
WFGTEPAVGCQRKEWTEFEFEGECQAIHFINTEGSDSVQLGPRGHETKRNEGCDGQSEDS
KNKAVAKKLYMLEDLILSVETCTNTGKSAASSNSDDASTSNYLANNSLEVAIMGLFEM
DKNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLSLKRRS

SARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVYYLHNQ
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VGS

>comp15733_c0_seq2; 1263 225 2771 LEN=6423; translated
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EPTSEPEPTEHVASGKSDAPPPTYENVGSFTPPSPSYDNVLSKEDEEEEAAMLAEVGGG
EKSEKTMETVEAPATQSSANSNDDSDSHASGGNEMFTDNELMDEEMMTEFRLGGVKG
PTQEEYAAKVLAYKKLALKSKQEGDIPKATQNLRAAKQLEKVATALKNMEDGLGLRIHED
SHGWMETLNPEESDLLGELFASSPANNEAGGNEEDGKPTDRLTLDDLEDMDDDNDVIELV
EMMGPDALPTVEEVTEKINEHKQQALQYKQEGNIELAKSSLLQSKKAKLHAMRLAEIYRK
LEQRKSNADHDGDDGGNEQSI S MEAL E SLVDGNKKPDEPAPKQSPPEPSKDPWLLKPSSE
IKAEVIRLKNKQVKEATRLQLFKQKLAEEQRQVELVKCSKLTDTIQKRIDVSETQRR
WQYYQWFGTEPAVGCSQRKEWTEFEGECQKAIHFINTEGSDSVQLGPRGHETKRNEGCDG
QSEDSKNKAVAKKLYMLEDDILSLVETCTNTGKSAASSNSSDDASTSNYLANNSLEVAIM
GLFEMDKNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLS
LKRRSSARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVY
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CHQSVGS

>comp15733_c0_seq3; 1388 225 3002 LEN=6336; translated
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EPTSEPEPTEHVASGKSDAPPPTYENVGSFTPPSPSYDNVLSKEDEEEEAAMLAEVGGG
EKSEKTMETVEAPATQSSANSNDDSDSHASGGNEMFTDNELMDEEMMTEFRLGGVKG
PTQEEYAAKVLAYKKLALKSKQEGDIPKATQNLRAAKQLEKVATALKNMEDGLGLRIHED
SHGWMETLNPEESDLLGELFASSPANNEAGGNEEDGKPTDRLTLDDLEDMDDDNDVIELV
EMMGPDALPTVEEVTEKINEHKQQALQYKQEGNIELAKSSLLQSKKAKLHAMRLAEIYRK
LEQRKSNADHDGDDGGNEQSI S MEAL E SLVDGNKKPDEPAPKQSPPEPSKDPWLLKPSSE
IKAEVIRLKNKQVKEATRLQLFKQKLAEEQRQVELVKCSKLTDTIQKRIDVSETQRR
WQYYQWFGTEPAVGCSQRKEWTEFEGECQKAIHFINTEGSDSVQLGPRGHETKRNEGCDG
QSEDSKNKAVAKKLYMLEDDILSLVETCTNTGKSAASSNSSDDASTSNYLANNSLEVAIM
GLFEMDKNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLS
LKRRSSARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVY
YLHNQQKRQQAARKEAAERKKSSWFFSRGGSEPOAVEDEAGEGDAKDIFLGKVTIELKQ
LLSRGCIAGDFPIMVNSKEIGGVLRVCLRTRPILDPDRYDGVVAVDGGISIPSIKTYK
KGLAFVFNKDDENTSIEAIKQESS

>comp15733_c0_seq4; 1160 1 2400 LEN=5707; translated
ASGKSDAPPPTYENVGSFTPPSPSYDNVQSKEDDEEEAVDEEEEAAMLAEVGGGKSEK
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AAKVLAYKKLALKSKQEGDIPKATQNLRAAKQLEKVATALKNMEDGLGLRIHEDSHGWE
TLNPEESDLLGELFASSPANNEAGGNEEDGKPTDRLTLDDLEDMDDDNDVIELVEMMGPD
ALPTVEEVTEKINEHKQQALQYKQEGNIELAKSSLLQSKKAKLHAMRLAEIYRKLQKRS
NGADHDGDDGGNEQSI S MEAL E SLVDGNKKPDEPAPKQSPPEPSKDPWLLKPSSEIKA
EVI RLKNEKQVKEATRLQLFKQKLAEEQRQVELVKCSKLTDTIQKRIDVSETQRRWQYYQW
FGTEPAVGCSQRKEWTEFEGECQKAIHFINTEGSDSVQLGPRGHETKRNEGCDGQSEDSK
NKAVAKKLYMLEDDILSLVETCTNTGKSAASSNSSDDASTSNYLANNSLEVAIMGLFEMD
KNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLSLKRRSS
ARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVYYLHNQ
KRQQAARKEAAERKKSSWFFSRGGSEPOAVEDEAGEGDAKDIFLGKVTIELKQLLSRGC
IAGDFPIMVNSKEIGGVLRVCLRTRPILDPDRYDGVVAVDGGISIPSIKTYKGLAFV
FNKDDENTSIEAIKQESS

>comp15733_c0_seq5; 1354 225 2987 LEN=6321; translated
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PEPTEHVASGKSDAPPPTYENVGSFTPPSPSYDNVLSKEDEEEEAAMLAEVGGGKSEK
TMETVEAPATQSSANSNDDSDSHASGGNEMFTDNELMDEEMMTEFRLGGVKGIPTEQEE
YAAKVLAYKKLALKSKQEGDIPKATQNLRAAKQLEKVATALKNMEDGLGLRIHEDSHGWM
ETLNPEESDLLGELFASSPANNEAGGNEEDGKPTDRLTLDDLEDMDDDNDVIELVEMMGPD
DALPTVEEVTEKINEHKQQALQYKQEGNIELAKSSLLQSKKAKLHAMRLAEIYRKLQKRS
SNGADHDGDDGGNEQSI S MEAL E SLVDGNKKPDEPAPKQSPPEPSKDPWLLKPSSEIKA
EV

IRLKNEKQVKEATRLLQLFKQKLAEEQRQVELVKCSKLTDTIQKRIDVSETQRRLLWQYYQ
WFGTEPAVGCSQRKEWTEFEFEGECQKAIHFINTEGSDSVQLGPRGHETKRNEGCDGQSEDS
KNKAVAKKLYMLEDDILSLVETCTNTGKSAASSNSDDASTSNYLANNSLEVAIMGLFEM
DKNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLSLKRRS
SARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVYYLHNQ
QKRQQAAARKEAAERKKSSWFFSRGGSEPQAVEDEAGEGDAKDIFLGKVTIELKQLLSRG
CIAGDFPIMVNSKEIGGVLRVCLRTRPILDPDRYDGVVAVDGGSSISPSIKTYKKGLAF
VFKNKDDENTSIEAIKQESS

>comp15733_c0_seq6; 1354 225 2987 LEN=8429; translated
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PEPTEHVASGKSDAPPPTYENVGSFTPPSPPSYDNVLSKEDEEEEAMLAELVGGGEKSEK
TMETVEAPATQSSANSNDDSDSHASGGNEMFTDNELMDEEMMTEFRLGGVKGIPTQEE
YAAKVLAYKKLALKSKQEGDIPKATQNLRAAKQLEKVATALKNMEDGLGLRIHEDSHGWM
ETLNPEESDLLGELFASSPANNEAGGNEEDGKPTDRLTLDDLEDMDDDNDVIELVEMMGP
DALPTVEEVTEKINEHKQALQYKQEGNIELAKSSLLQSKKAKLHAMRLAEIYRKLEQRK
SNGADHDGDGGNEQSI S MEALESLVDGNKKPDEPAPKQSPPEPSKDPWLLKPSSEIKAEV
IRLKNEKQVKEATRLLQLFKQKLAEEQRQVELVKCSKLTDTIQKRIDVSETQRRLLWQYYQ
WFGTEPAVGCSQRKEWTEFEFEGECQKAIHFINTEGSDSVQLGPRGHETKRNEGCDGQSEDS
KNKAVAKKLYMLEDDILSLVETCTNTGKSAASSNSDDASTSNYLANNSLEVAIMGLFEM
DKNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLSLKRRS
SARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVYYLHNQ
QKRQQAAARKEAAERKKSSWFFSRGGSEPQAVEDEAGEGDAKDIFLGKVTIELKQLLSRG
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VFKNKDDENTSIEAIKQESS

>comp15733_c0_seq7; 1388 225 3002 LEN=8444; translated
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EMMGPDALPTVEEVTEKINEHKQALQYKQEGNIELAKSSLLQSKKAKLHAMRLAEIYRK
LEQRKSNGADHDGDGGNEQSI S MEALESLVDGNKKPDEPAPKQSPPEPSKDPWLLKPSSE
IKAEVIRLKNEKQVKEATRLLQLFKQKLAEEQRQVELVKCSKLTDTIQKRIDVSETQRRLL
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GLFEMDKNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLS
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>comp15733_c0_seq8; 1263 225 2771 LEN=8558; translated
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GLFEMDKNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLS
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FCHQSVGS

>comp15733_c0_seq9; 1035 1 2169 LEN=5821; translated
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GS

>comp15733_c0_seq10; 1160 1 2400 LEN=5734; translated
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NGADHDGDDGGNEQSI S MEALES LVDGNKKPDEPAPKQSPPEPSKDPWLLKPSSEIKA EVI
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FGTEPAVGCSQRKEWTEFEFEGECQKA IHFINTEGSDSVQLGPRGHETKRNEGCDGQSEDSK
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KRQQAARKEAAERKSSWFFSRGGSEPQAVEDEAGEGDAKDIFLGKVTIELKQLLSRGC
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>comp15733_c0_seq11; 1160 1 2400 LEN=7842; translated
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FGTEPAVGCSQRKEWTEFEFEGECQKA IHFINTEGSDSVQLGPRGHETKRNEGCDGQSEDSK
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ARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVYYLHNQQ
KRQQAARKEAAERKSSWFFSRGGSEPQAVEDEAGEGDAKDIFLGKVTIELKQLLSRGC
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>comp15733_c0_seq12; 1160 1 2400 LEN=7815; translated
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FGTEPAVGCSQRKEWTEFEFEGECQKA IHFINTEGSDSVQLGPRGHETKRNEGCDGQSEDSK
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>comp15733_c0_seq13; 1388 225 3002 LEN=6309; translated
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GLFEMDKNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLS
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>comp15733_c0_seq14; 1035 1 2169 LEN=7929; translated
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ALPTVEEVTEKINEHKQQALQYKQEGNIELAKSSLLQSKKAKLHAMRLAEIYRKLEQRKS
NGADHDGDDGGNEQSI S MEALES LVDGNKKPDEPAPKQSPPEPSKDPWLLKPSSEIKA
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WFGTEPAVGCSQRKEWTEFEFEGECQKAIHFINTEGSDSVQLGPRGHETKRNEGCDGQSE
DSK NKAVAKKLYMLEDDILSLVETCTNTGKSAASSNSDDASTSNYLANNSLEVAIMGLFEM
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SARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVYYLHNQ
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GS

>comp15733_c0_seq15; 1229 225 2756 LEN=6408; translated
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YAAKVLAYKKLALKSKQEGDIPKATQNLRAAKQLEKVATALKNMEDGLGLRIHEDSHGWM
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EV IRLKNEKQVKEATRLLQLFKQKLAEEQRQVELVKCSKLTDTIQKRIDVSETQRRLWQYYQ
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DSK NKAVAKKLYMLEDDILSLVETCTNTGKSAASSNSDDASTSNYLANNSLEVAIMGLFEM
DKNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLSLKRRS
SARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVYYLHNQ
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VGS

>comp15733_c0_seq16; 1354 225 2987 LEN=8402; translated
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DALPTVEEVTEKINEHKQQALQYKQEGNIELAKSSLLQSKKAKLHAMRLAEIYRKLEQRK
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EV IRLKNEKQVKEATRLLQLFKQKLAEEQRQVELVKCSKLTDTIQKRIDVSETQRRLWQYYQ
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DSK NKAVAKKLYMLEDDILSLVETCTNTGKSAASSNSDDASTSNYLANNSLEVAIMGLFEM
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SARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVYYLHNQ
QKRQQAARKEAAERKSSWFFSRGGSEPQAVEDEAGEGDAKDIFLGKVTIELKQLLSRG
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VFKNKDDENTSIEAIKQESS

>comp15733_c0_seq17; 1229 225 2756 LEN=8516; translated
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IRLKNEKQVKEATRLLQLFKQKLAEEQRQVELVKCSKLTDTIQKRIDVSETQRRLLWQYYQ
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KNKAVAKKLYMLEDDILSLVETCTNTGKSAASSNSDDASTSNYLANNSLEVAIMGLFEM
DKNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLSLKRRS
SARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVYYLHNQ
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VGS

>comp15733_c0_seq18; 1388 225 3002 LEN=8417; translated
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QTQEEYAAKVLAYKKLALKSKQEGDIPKATQNLRAAKQLEKVATALKNMEDGLGLRIHED
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GLFEMDKNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLS
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>comp15733_c0_seq19; 1263 225 2771 LEN=6450; translated
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EMMGPDALPTVEEVTEKINEHKQQALQYKQEGNIELAKSSLLQSKKAKLHAMRLAEIYRK
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IKAEVIRLKNEKQVKEATRLLQLFKQKLAEEQRQVELVKCSKLTDTIQKRIDVSETQRRLL
WQYYQWFGTEPAVGCSQRKEWTEFEFEGECQKAIHFINTEGSDSVQLGPRGHETKRNEGCDG
QSEDSKNKAVAKKLYMLEDDILSLVETCTNTGKSAASSNSDDASTSNYLANNSLEVAIM
GLFEMDKNEKLQKILSKQPKSKKADFDCPDLRISSKLQLPIHPEDPSKPVFMNFDPTGLS
LKRRSSARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVY
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>comp15733_c0_seq20; 1229 225 2756 LEN=6435; translated
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DALPTVEEVTEKINEHKQQALQYKQEGNIELAKSSLLQSKKAKLHAMRLAEIYRKLEQRK
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DKNEKLQKILSKQPKSKKADFDPCDLRIS SKLQLPIHPEDPSKPVFMNFDPTGLSLKRRS
SARVSGKVSALQFKYDFDPSSKSCRQQIGLPRKDPKQERILLRRMETKTIQLSVYYLHNQ
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VGS

>comp15733_c0_seq21; 1263 225 2771 LEN=8531; translated
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>comp15735_c0_seq3; 1148 81 7436 LEN=7693; translated
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>comp15735_c0_seq4; 429 717 2209 LEN=2466; translated
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>comp15736_c0_seq1; 767 168 2738 LEN=3815; translated
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>comp15736_c0_seq2; 711 168 2874 LEN=3951; translated
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>comp15736_c0_seq3; 175 134 927 LEN=1138; minus strand; translated
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DGTAIRFVCILRKVPDIVRPDATVPIFFPQVEVWICNARTTKDARGTIPLLRGRPSASTA
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>comp15736_c0_seq4; 662 168 2447 LEN=2657; translated
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>comp15736_c0_seq5; 711 168 2874 LEN=3726; translated
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>comp15736_c0_seq7; 731 168 3435 LEN=3498; translated
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DYLDEEDRVPVPPIMILD CDGSNVLM TTIHP EMENQTETVHVADGASCMLTMRNTSVGVA
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DASFQHL YGSIPSEIGQIGELESIKLGKYG PQSAASTTADTDERHDLICANLSRSNVLRK
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NAMFLQANGITGSLPVDFGRLLSKTFVAVRNRLTGRIPSSLALIPDLGTFIAAYNFLTG
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>comp15736_c0_seq8; 702 1 2268 LEN=2448; translated
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ALNVGRHRGGQEARNEHEPTLTKASGTSFITAMEQEOPFGDEEAAANQHTRGFYGYGY
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LQDGAALGLAINLPIAWVKP SHVQSMGVFHLALKTGFCGSLTTFSAWNSEM VVLLVGNH
DAMPNRPMSMVWRALFGYVVG METAI GSYVFGRTVAWWLHKWVNPELAREQREMSVREK KH
GIAINRDLPVVERRYHLGLFDRASRGVGGNTDGPSSLSGPALSPSSTLTREELAPLHRW
RQSTRDARRVESGLSEELVELETALIVRKEVPTQETRDMAIYHGWDIDG LLEWLSKRRCH
TELLEASASLESLSREESDLSQARPLTAAGVAAPMDIDGTVVYELPVAATMLGACLLLLV
NLMGHWDAGTSYQNTYRTMAYSMLFAPP GALLRWKLS SFNGLGEYFSGRFHRWAWLP I G
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>comp15736_c0_seq10; 787 168 3299 LEN=3719; translated

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SSRFWNRRVAYKSFQNPSTARMSYCMKERRWILYGTNTDACS VKIEDRLAYS DITYAF
DVSSAFEVSWSSSGAPLEMYFFEDDTVLDDGRCGSFLGDGTCNYAFNTARYDYDHGDCCS
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TTDTDAGDQGLWISEDHRCIWKVVGCRDGHVRS LNFAADSNEQISGSIATEIGLLQDLGFM
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>comp15736_c0_seq11; 767 168 2738 LEN=3458; translated

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DASFQHL YGSIPSEIGQIGELESIKLDQNFLTGTIPTEIGLLTNLEMISLANNWHPENPG
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>comp15736_c0_seq13; 767 168 2738 LEN=3590; translated

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VNTPDVVDIVLNFVAVNFVSAFDDVAFELAQWGKYGPHLEAETKRIEELTAPDCMTRKSNY
ARYQLTIIPVATLLIMLIMMAYRQDSPDHWTTHRLRVQFEDGTSMEQYSGCYDLDPSS
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DYLDEEDRVPVPPIMILDCDGSNVLMTTIIHPEMENQTETVHVADGASCMLTMRNTSVGVA
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TTDTDAGDQGLWISEDHRCIWKVVGCRDGHVRS LNFAADSNEQISGSIATEIGLLQDLGFM
DASFQHL YGSIPSEIGQIGELESIKLDQNFLTGTIPTEIGLLTNLEMISLANNWHPENPG
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>comp15736_c0_seq14; 92 1 570 LEN=781; minus strand; translated

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>comp15736_c0_seq15; 711 168 2874 LEN=3594; translated

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ARYQLTIIPVATLLIMLIMMAYRQDSPDHWLTHRLRVQFEDGTSMEQYSGCYDLDPSS
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>comp15736_c0_seq16; 787 168 3299 LEN=3362; translated
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ARYQLTIIPVATLLIMLIMMAYRQDSPDHWLTHRLRVQFEDGTSMEQYSGCYDLDPSS
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DLGTFIAAYNFLTGTIPSELGLIKTGINRTLLINLQFNLTGTVPLELLDKRYTRLVVV
GNELSDLIPVDGSVICRQE QPGI VPGRGGGGEHYCNCRENCV PERRIPPLCACEEAQAPT
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>comp15736_c0_seq19; 175 134 927 LEN=1331; minus strand; translated
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DGTAIRFVCILRKVPDIVRPDATVPIFFPQVEVWICNARTTKDARGTIPLLRGRPSASTA
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>comp15736_c0_seq20; 731 168 3435 LEN=3855; translated
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CRQE QPGI VPGRGGGGEHYCNCRENCV PERRIPPLCACEEAQAPTCCGGRGSPSQQNGT
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KRPTNLPV

>comp15736_c0_seq21; 626 168 2210 LEN=2462; translated
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>comp15736_c0_seq24; 711 168 2874 LEN=4083; translated
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QYSRFSIWIWIDQNF LTGTIPTEIGLLTNLEMISLANNWHPENPGISGSLPSEIMGLSSL
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>comp15736_c0_seq25; 767 168 2738 LEN=3947; translated
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>comp15736_c0_seq26; 149 134 586 LEN=1366; minus strand; translated
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>comp15736_c1_seq1; 453 267 1239 LEN=2554; minus strand; translated
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LNSDSSGFSKCGNKQFIERYALVAMNFAAPVVSFEESRDDGRNIDARVVNSTTDTDAGDQGL
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SAALDGGAAKLCSTVFAIGFISN

>comp15736_c1_seq2; 453 267 1239 LEN=2380; minus strand; translated
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LNSDSSGFSKCGNKQFIERYALVAMNFAAPVVSFEESRDDGRNIDARVVNSTTDTDAGDQGL
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>comp15737_c0_seq1; 1149 234 3677 LEN=3928; translated
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GVDLALLSCGQHDSDDSDNDNESEEAENRVAGKFRKRDVKNKLLISNLVRRVTRSRA
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RSSPPPS

>comp15737_c0_seq2; 471 131 1585 LEN=5901; translated
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WKLALWKLAAQHKADVWYRDSHIFVRQSIQKSGHLLVKSQELLAQYWKRNHLHYHHRSMV
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YIQD

>comp15737_c0_seq3; 471 131 1585 LEN=5813; translated
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AVTENDETHCPLETIIEDIGSDYVLIPIPSPAENDDHRKLLSSALLARASKMPRAFLRA
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WKLALWKLAAQHKADVWYRDSHIFVRQSIQKSGHLLVKSQELLAQYWKRNHLHYHHRSMV
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>comp15737_c0_seq5; 1155 234 3860 LEN=4111; translated
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GVDLALLSCGQHDSDDSDNDNESEEAENRVAGKFRKRDVKNKLLISNLVRRVTRSRA
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LTGAI TGASAI AF SGLNAMYSRR TFLPPI TEEQLNTRVFNTI PERDII AHIDKVR RANRP
AHQIEAPSRNRSHRFARQRTFDLLLSVFCFSNCHDSIANLFRVSRSVFFSPLPQPGMNYQ
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ARSSPPPS

>comp15737_c0_seq6; 579 234 3596 LEN=7912; translated
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SWAGSAFVFQILYIELCVWNETV CYRMLQVYGADVSGASENRDSYPEFLGLIAQNI VLT
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GVDLALLSCGQHDS SDS DSDNDNRHDGDILILDENQAVTENDETHCPLETII EDIGSDY
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QATLLQPIHSYTKDNHSSSIYSSFDWVSETVVDASGNRLILPGSCISLDADEPISAQKNG
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GELDGPLCSWYCFGNEEIDFDH SKVMKATTRNLTQQWKLALWKLAQHKADVWRD SHIFV
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>comp15737_c0_seq7; 579 234 3596 LEN=7824; translated
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GPVHRDLRNGPPENRLHAGIVFRHDGPLCLQHPVPAVLVHERRCYIHALDMDGRSAGLEH
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CKIRQYEMNQRMNDGNGDGHDEERKYHDENEDGDEGCSETFVSVWETVRVSELK VWACYA
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GELDGPLCSWYCFGNEEIDFDH SKVMKATTRNLTQQWKLALWKLAQHKADVWRD SHIFV
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>comp15738_c1_seq1; 2863 82 12174 LEN=12279; translated
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VLPFGGQLYFWLSNDPKDLS SRPAVEMDI ELDCISTNLRDFQCIQMLRLYKERKNFQFVK
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PGVNKELRMVLRPLE INMNLDCQWIGHLKGFMREVT TAPNVEKFWGELSLAYLNSLTLGK
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ALSSSTATRK

>comp15760_c0_seq1; 919 1 2536 LEN=2988; translated

XPTPPSPGPTPPPTPSPTLPPTLSPTEGECMIDSSLNCTAIMDNEQIACEDIPQEDKPVCECEECVRELKFKYSGLCSEGF AASGKCIDEGPNPFVAA YRIVDCEDATQVFASGEAQQGGDDVTIGAADGTCLPSCLDVTISVDPDGSATQTFEIDSECGKNGLSLTS DYGALESIGYSCSETDTHNCEQGVSYGLQVCNTGTTNEAIYQWFLTINKEDIDLLENI PPE DAMLSPGECFYDTYDVEVDRCNLLENCVNITASATNPVTGLPPNCPGKDEIKFGWDQPVTPPPTPQPSPFPSPAPSPEPTSSCIIDIALTGCPKYNSSLDNNCDGRPQVITFRYNGGGCSQSDNLQPRQKFCNDFNGGPPPLASGTENYITAFPTGGDDMYFSGPVPVDGKFTLNEDKTFDKLSADMTILIFESEGGDLLQETLVHLSCSQPLFLFDKFGANQVTEWIE TDGRIISDKQLDVPTGTIEVKLDTASDIVKPVRLLEMTVLTNTQPEPIDYTDEVAGMVLEPGATIELPGFGVDIELSERTRYTFFTTLIGETIDGTNCTNGFSFLECTIGFNLNPTFPTMVPTPSPTITPYPTLDPETTACDISAGITCTVLSLQGISCDQVKAPVGDSCPGDAELLVAYLKYDGLGDSIFLEVVC DKSTTYIDRTITSGETFTFRTRSNSCEAVSFLVYSSDPEIGGDLLENI IETGCPGPWTLGATIAEVFTLDAFIDTEDDGSTFRIYIEEVELQLDYVAFNKGGSPLDITDGSISDLYIGSETSLGGSVALDELPIRLDPRTQKVLQTNVETIQMTGRTGDVVTFSLALFGASANQFALPCEDETSVTVTL

>comp15761_c0_seq2; 220 1 524 LEN=875; translated
AAVHQDSNATVATVTPAARAAIKKRKGGIANKTTSSSTEEFLGDRTGAGITTTTTTTTASS
ATSRRGXIIMKKTNIKKNKTTTCMIFLAIMMHSNNATXVILGVS RVVDTAVTQSKTSSST
TSSSRQHNNRPNPEKQGGGGLLVGRGCKKKKKEKKTDPGEADEAKERRNLVQRDY

>comp15764_c0_seq1; 382 125 982 LEN=1147; translated
MCKPIHQTNLDIVSPLLSEYATGSSSSSSPPRRAVCRTVTFSETSDEMFLIPLVSEMSSD
EIKNTWYTTRTKAIRSMVKVIKRMMAAETRGIGDSSADENETDDSELEPTRGLEKKT
RGS IARHKNWCAGLWAVLDEQGRQREEQQTNPANIAELYRQNTAHCQVEANEIAAIDARI
VARDTNNYSSSSSSNNNTNNSIAAQEGAQPQEPAPSPTSTTEDAISTAVRSISIGDNN
EDGNDDERIPKSLPAPSTSVVQNPANTLAYIMANHKPRSRRL

>comp15765_c0_seq1; 439 71 1222 LEN=1337; translated
MTPRILRLVLSTAIMRAVEGSTRHLMRKRNQEMIAVVTRPEDTRASKRRLRYSSPIDV
TNDAELELLFFMEESSISMSMGPPGGGNDGHGDGDGDDSGDDNGNDNGDDNGDNGSA
YNNNGFSVCSDTSEVQDVQIYCDSPGTFYYGSGKYRNSQNCTSGDKGKFLIDFYINDAE
NININGQPVLDIKAEGSIGWYERNQQVLDNADLCSLSSLKSLDGSVCPAAGKYRIKSSFY
WDEDSNEVGGYYPVFYPKLSVGIKSSYQNTYDYGGANTPYCSGTTFFTSWTNNVKA IY
ADSVSNFFKSFGLMFTIAVMGIFIFVMFKRRPRTFQYAGTTSANNNETVEEISYGEPSF
SGSEEFDFNMKSPRANQSFLDF

>comp15766_c0_seq1; 116 1 357 LEN=696; translated
SSPSVSPSSTPLPGGPSAAPSVCVDDPDFLLDANENRNCEWARENPDRVDIRCAKVDS
VTNVAVADACPLSCNPECEEVPTPTPKTSEPTISPETQCGEDDPDFLFQ NREGRNCEW

>comp15767_c0_seq1; 357 15 647 LEN=685; translated
MHGGATPMHDSMSDEVWRPGAIDEETAQPESSGNEWGADTSNTFGSPNNEDSGWGSSQGG
STWQPTTEKQEPTDDSNVAPASASLSVKREQPSSTMETHVGDSD ETAVWFMDRVCVQLK
SDDRPAVIKEINPDKTAVVLEDNKTQIVRFNEVSRIQPKKDMVLVIGGADVGEVELV
CIDGSDAILKDSNEEFKIVDFVHLAKIAGD

>comp15768_c0_seq1; 259 1 428 LEN=428; translated
DGSEDDGSEDKDSEDDGSEDDGSEDDGSEDDGSEDDGSEDDGSEDDGSEDDGSEDDG
DSSKGSDDGKGGKASKSRSLLEASEGDEEKSSAKE SKKDKSKKDKSPKKSKEVPEDES
KDESKDESKDTEESASTIKEKSX

>comp15769_c0_seq1; 120 183 486 LEN=486; minus strand; translated
MIGREVAFATPFICFKTTXFNKANLAPASVTAPVDDASAVVSSAAASSAAPNRNAMSAR
LSFADFIEPDFMEPPLPLDLDDFIDPLIDPPLPLDLDDFIDP

>comp15770_c0_seq1; 325 160 1047 LEN=1695; translated
MAVEILSRTRVGCANGGFYHRVQHASKSTGTD MIFGLFLPSCYSKNAGSATT PVLFWLSG
LTCDDTNFANKAGSRAFHRAEKENIAIVMPDTS PRGDGVPNVDSYDMGIGAGFYVDATEE
PYKKNFKMYSYVTKELPELLENEFNGLGGKGLKSITGHSMGGHGAL TIALKQQNQWVSVS
AFAPICNPTKVPWGEKAFTAYLGGTEAGKAHDATCLLQEKSAFDEILVEQGSSEDFLEKQ
LTTDKLSESANRVGQRITVNMREGFDHSYHFIAAFIEDHVVFHGT KLRKLEKAC

>comp15771_c0_seq1; 553 211 2136 LEN=2208; translated
MFLPPEEPASVLKALSAKSETPVANSANNTSKGIEQAQNSTAETNTIAKGHQVIGPVSR
RSLFKKNLYKDYSEKSFRLNLRARTSTSGTEVEECENLRTRNIVNRALAVMTKSLEDRDCL
PQSQGEVKVDTESDTSKEFESSDNLSPSISENDNESNSDEEGSIRDPKSIGDGGTLTAQ
TSFRKIAKRRKARGQSSFHHTKSSKEYLRKAQEA YQKLKISEQSADASTNTEKESNDVD
YGYGDAVESQPKAAVNYGYGDPKSESSEGAVDVFGYGDPTKSQVQEPVDYGYEDPEAAQQH

LPRRGRARRRRNSVTKFSVQAASVVAAKAAAERILQLKPSLTSLARGRSKTPTKLRRQLD
HQVEPANAAQPPQKECRVRRALPQRSSRNALDVFVGSYATKYSSKHQEVKEPKESQHKESP
TLRRSIQITENPHLKLTSDFSPDPKPRSLFCKNSGTSKNLSLRFKAPLRTDSWLSHDTN
TDDDDADSLASDMESLCTFRNNSFRDLASHSFNRNADLPVPPPPPPQASPLTQASPSLTP
APSNKSRSLTSLDHLANFSTGRSGNTESKRRNSLVVTVSDGSGKASKDNVHNTTREKLIG
DGTKFPILPFAGTTTTSNNTSISKSCMPAPVIRTPSFKGSQ
>comp15772_c0_seq1; 290 137 754 LEN=932; translated
MSGSAFYDIQIKLLMIGDSGVGKTCLLLRVANDSFSPFTITIGIDFKIKNIDIDGTKIK
LQIWDTAGQERFRTITTSYFRGAQGILLVYDVTDRRSFESIRNWISQIQHADVHVNKIL
VGNKCDMLDEKVVSTEEGEKLAKEFNMPFWECSAKNNINVDESFIGIGRQVGDRLVAEQ
GGPSQKASNVQLNQKSGPGRKGC
>comp15773_c0_seq1; 259 915 2069 LEN=2312; translated
MGSEQNNSSTCTNHHHVHQDSETSPLLLASPSTTDNELREAPSRGMISAAKQKGRLLLL
LVAFLYGSLSVSLRAVYARPGPPAPSILSATRGWMSVLCWPIAALQSPVPTNGSPSTEI
YSKASFYWFAFELAVFNFGTQGLLNIGLVTTASARSAFFTQLSVIITPILTYCIGRVRGK
QILVEKKVWFSCFVALLGLYLSSDKSGGSNSGNSNESTHPSVGNNALHVFSFGDWCCLS
AFCWSYIYRLSDWGGRYDETQTMLIKNIFMAILYTLWTVASYFYANECSSSGDSGGSFC
LWEGWRDPISMVLFYTAASSGALCDVLQQAQASIVPAAESNVLLSLEPVFSALLAMILL
TELP SAHELIGGAYIIGASLLSSN
>comp15775_c0_seq1; 515 179 2038 LEN=2609; translated
MILHRPIILPAALSLLLLALRPSSTFAALKVGDICTEGYIMDFFCIDRGTLLDNPTVRT
LEEPFLHTIHCLVDVNSCVSSPFEVLLDPPENSQATGDVYNRGWRLDEPSKEQAIELARS
VGTCTTCLTNDSENHVKGFRAMKATILDLNENDPTLPPIIQVDTGNMQDTTAYVGS
GQSACEAFFGMPDILDVDAAGSDGETVDEAPCASALEAGDEICTEGYVMDLFCIDRGTLF
DNPEIVTLEDPGAHSIHCLVDVESCIASPFIEILLDPSTLPDSDGLYSRGWRFDDESSKQA
VELAQSVGTCTTCPVTNTEDNSHVRGFRVATRAVILDLNENDASVPPTIQVIGTIADTTA
YNSTGLETQSACQSFFGMQDIVDRSCASAGANGGGSLLDGIAASANLGSNTLRKHFH
ATLMILGWGFLLPAGAITAKFFKHRPDGIWFKLHRGIQMFGLLLALIGWIIALVNFVFR
DYGFNNYRHGICGMTVMILGLLQPLNAFLRPHPPSEGEAKSTTRRVWFVHKCSGWAAVF
LAIPTIILGTLSLPILEDQTKFQIGYVVGCGGMLGLVAYMFYDKKVFVKENVMNGNGN
QGAKNPKREQAQDQEVEA
>comp15776_c0_seq1; 168 1 1051 LEN=1173; translated
NLKTEIVSEELHKSQSKKLTAPAICIAKNEISKLIPIEKNTSTHESFALAGRNICR
GNFMYKCIKLNRENRAERAAPESVDDGGDFGSIYRIFTDGGWGCMQDGVLLFAVHSIFSK
DNAELPLLRSIGEECTDNSENRSNNTRVAAFQKDLPRRYRGPFRIHVPDSSCASAMVC
SGWRDTCQNLINHIRSIDRREQLEFGHHIGTAPEYGSFLASQASLLMAKFCVSESRRPLS
CLGLLASGSCGLWVVDATGAYRVRAHALGQGSDRMNEILRKVDWTQRDSNGVKDELRL
LYSDSVHSDDENSSSEIKIPEGSCIEMAVIEKPTRKAPNTMKRLFASL
>comp15778_c0_seq1; 411 87 842 LEN=1076; translated
MSHQSNNDTADLRNSAIDEDSSATDFQYGEGRPGGVSKNASVRLSALPPRLRPSATMYDR
NGDGALSKSDIALAIQDLNNTNQNRNLTKIISACFLILVLIAAIFGASIAAARMSQEV
SVNSANGFAYVKGSEETEVMKTEKAIWEEGNVAELGNESSLNRLTEVVLGGDVRVQIKG
SARVAANDNVLLVEGGTLTWTLADGLVDASGYAKDMLAAAFGEDAFGSSDSDGRRRLD
SCGASWNGYGY
>comp15779_c0_seq1; 152 1 310 LEN=652; translated
XCRNVADDLDEETDPVATPVAAPVAAPTDSMMPTADVPDNEVTPAPTTSDNTDSENCPP
ANQIVNGNPCSDFIPAGSQEASCFVGDTEQCNCQETPDPVW
>comp15780_c0_seq1; 367 332 1237 LEN=1770; translated
MFQIDLSSLAAFLSSSTTPEPAPQTFQSITKNFDFEEGKRKKNNTNMIPCSTVQTHSSMM
TDDLTRSTTTSSSLSSSSAGRVLHSPQLQRRSGPIDGSKHLHHPNSPSIIRRTEKKT
NTGKHKNKSKKKGQSLFQSKPSSLSSSPTKNHRHPLLEEVANTRAYPSKPRERKSKHE
TNPSPPPSSLSSSMESLLKRRIRRCSLRRKNCIEIVSLLGLSNDIPYGFNDNNDNNTRSS
NSCYSEEKELKFWAACPPPSTTNTCPKMAVDNNGGFSDLMI FVNNEHCVLEYTQDEFESF
D
>comp15781_c0_seq1; 383 38 658 LEN=930; translated
MKIAALLLALASSASAFAPSAQNAATTALSAKLDDEMAGFTAPFKGFDPLGLADLGSEET
LAWFRAAELKHSRVAMLATTGYLVQAAGHFHFGMLSKDVSFESLSSMKPFDAWDAVPEAG
KEQIIGLIFLAEIISSEQPTHYTKGGDLPTVIFPPINFSGVDPETLTKQNRELNNGLA
MIAIMSFVAEANVHGSVPALAGNPMF
>comp15782_c0_seq1; 884 287 1735 LEN=1937; translated

MSEAEVDTGAPQEWKKYSEYFVEVDPDQDDKAKEIKLCSIARPHMRAFHCSWWGFFIAFF
IWFIAIAPLLSEIRDDLGLTKQEIWTSIVGVAGTIFMRFILGPACDKYGARIPMVAVLCF
ASIPALTGTVTKTATGLAILRFLFIGSAGGTVMCQYWSSRMFCKEVVGTANALCGWGNL
GGGVTQLVMGSALFPLFKYFFDGDASKAWKWSIVPAVVAFTGVMIIYVSDDAPKGNYS
ELKKHGQMAVSAASFRQGAVNFWNTWILFIQYACCFVELTMNNAALYFKDKFGLSTE
SAAAIASIFGFMNLFARGLGGFMSDKGNQYLGMRGRIASQTICLIIEGVLVLVFAQTNSL
GAAIAMVFFSLFVQAAEGTSYGIVPYVDPSTGAISGIVGAGGNTGAVCFGLGFRNLAY
KKAFMIMGFTILGSTILSLGIIKIGHSGLVCGKDAPKEEAPTETLAVPVKENEATDDVNA
EE

>comp15783_c0_seq1; 271 318 1478 LEN=1596; translated
MILADPGASVRDDPAERSLLVPPSLPLHPSLEGDSSPTRPGLLRRAEALAEAEALATLA
EARAAAXSTAMRAAATFLDVTVAASETTLGREVKLTPTTGGGASGGGGASTGALLDAETD
TRYFLKSARNGYDMLRAEYEGVKAMSETSTIRVPKPIAFGRHEANDQAFALFEYLEFCGS
GPGGQYELGVALAKMHKAGVSPNGEAPFGFPVDNTIGATFQPNLPWRENWADFWDEHRLG
HMLRLTGNAGGLPSDKIEALRSKTRELLSPEARGGDPVVASIVHGDLDWGGNKGFCCKDPEA
PGGIAPTIFDPACYYGREVDVAMTYVFGGFTGDFYDGYESVWPLSEGHEKRRTVYNLYH
ILNHDVLFGGGYIRQARGMIDEILRS

>comp15784_c0_seq1; 271 1 1032 LEN=1230; translated
XKEKKRQQQNKPPFSVYFHDDSPAGLPDKPNLTQPNPKQIKPNQAAQRSTAQHSRPNKTQ
RSKMCGNSSKIKISPDPKPEKPDTRTRVAVYGVQLLFLFAWGNALSRLIIHKFWDRQYN
IDRMHKILASDEAPVVIKTGIRSTIMSYFTTRYGWFLPHVAGSLIWWNLYFLQLVPSIRR
KHKKFHRVLGRVLMVCALAQTIVSGVGLAYNNKSPVTKIVSYLLAVAVAYCLYAWYAWI
RDIPKHKYWSLRLVGYLQTIALQRVFFAVLMVCWFTGGLGLYPLFDGEDKETLLQVFDSD
FVSCFIVGMMATEWYLAGYYGWTEGPKVPVAVSGSGGGEKPKAA

>comp15785_c0_seq1; 339 148 1167 LEN=1228; translated
MTKNKYKTALALLLAGISSAMQDIRFASPLQSLTIPDPEVLEKIPGSSSSNDGDGEP
IAQHTMVTPRNRFNRFNFTQGLKAEKTAREELALGIKIDDDAFDASGKDWVNQAKSADERRR
RTEGAFIESAHDAAVAKCEASTGKDAEGRPKNPKNKYQFVGLVDRSNKDKPISWHARPKPE
NSKWSVRLVHVNKEAIVKDLFDRGKIDIFAKYTNTRGRKVQIEEKGEDGSTIMKSTNVP
IVTTKYEARERSLKNLNFNSPKHFFTDSSGAYWRERRLRPGMYTDGDSVYESSYRYRDRNG
MHKIGTLQQFLSSSSVDTNDKEKILKLNAAADVVLEL

>comp15786_c0_seq1; 305 1 1176 LEN=1865; translated
VDTSSSVPVNDEETILSQEQVDHRTLSTLGFYNGPVDLDDSIDSSSSAPVNDKEINLSEK
QVGHRTLLIRNDKGYHGEIDTGSQKLDHVFGSSEKQFNPCEEIGFVSKQYRTLSIENSS
QGSLNEDDLKYKLRQRAENGSFPNSAGPCYNDWKREQEKEKSLRHQVEKQEQLQFYLSSD
DTTNSKAKVDAIVQNNLSTIQELQVPPKTKKISRMLSRILQVRRTRKKSAGKRKDTGL
DKFVAPPGNDFEGNVDDISEPTLLPLNTFGYLIDSSGREAAARQQTLLVHLESERQKQMS
AIEKEREELGEHIRNSVLKERKLERQRFLSHTIDSITYRVASPGVGFSTNKPSSLASHVM
KANHESKLDNLLNSSKPSKRGCMYSTTPIKYW

>comp15787_c0_seq1; 508 31 753 LEN=1088; translated
MKTPEVSLKKQATQEKLAASAAAAAEEKAAADAVKFFVANSKKYDEEYEAQQLAIDN
RRKAKADGGFFVPAEPKLALVIRIRGIIGVSPKAKKVMQLFRLRQLHNATFVKLNEATIR
MLRLIEPYVTYGYPTRATVQKLVYKRGFGKINKQRIPIANNDVISQGLADSTGIECAADL
INEIYTVGNPFKANNFLWPFKLSNPKGGFSSKTKLLHFMEGGEAGARGEIEINKLVAKMI

>comp15788_c0_seq1; 273 322 1192 LEN=1192; translated
MLTQRTGSFFRFLVAALSASGGWNHGLDSAILVDAHKDHP IEPSSSDNASLNGRVDWCP
GYFSGDGGACASILPSGASWGQCTYYESD TDNGTTRLETKVCLCTVDDPFWRVCSSTVTD
PPLGSSTEPTAAPTRFFRFPKTPSPTTEPTATHSSHPSPAPSAPTHPPTRGPTQPSAAP
SGTPTSFFVYNTTPTVNPTRATRWRGVVAYGNPPPEEHKPLNLCEGDCD TD DDCVDGLI
CFHRIGHNHVPYCHGMRDETPSDYCTYPDDGAMEASATPSTAPSAAPSX

>comp15789_c0_seq1; 319 136 1164 LEN=2000; translated
MRVKRQGNPIDWKKSAFHCAFLLLCFATVLNLRGFASLDFTYQLMEYASTEVVSPSIRSS
NSNTAYKQSFGLLNDIPNEEWEKIRKVTQSIIYQNPENPLLRVHETEWLQNNLNPFD
CNKKEQIGGQNL EDGVKFCVNPDRLTTHKTDEGDEEKGLVYSIGCAGNYVFEDGLSERL
KNKCEIHVFDPAKWARRDPEKNIHYHAWGFVRS LDRQAKSRVWPAGVGGEFKTFQET
IEALGHKNRTIDLKIDCEGCEYSTYKDWIGHDIRQILVEIHGVPTPDGPPGFWYSENMD
VSEYYGEYQKNGFALYHSHYPYQKGVELGYIRLDQDFWRPLDA

>comp15790_c0_seq1; 319 467 1234 LEN=1304; translated
MTAAAMGQVSDVSGVVFGLDLSRILRISPVQLTAMQKSAIVGRLRLWGAVAGVILGCT
MGATALYITPEREATAAITMEKSGSSTPLSPLSENROEQMKDQLCRLQQVMNDVMTRDEK

WRNRCASCKLYVDESMGACIPKSPRTSPDDLGNYSYITATVDYFSRENNNIDGKKDSAVI
QAATEKRVVVFANTIIYVPIADTNKNNTSTNSKSDVVLGVLKVDLENGSFYAGSEIQDAK
RFARNLGFMMHMVM

>comp15791_c0_seq1; 313 335 1456 LEN=1671; translated
MEMKQGNAGNDFEESTLIKRDWQRDLTSMFLGGSLFLASAFGGALPPASYAVEDMAPPS
AGFEFEFAAKGGVMKTDPPQCFDQCGDQSKACFTNPSCLKGITCLGNCRGEQLCATQCFAR
FGSEKLNLDWLSCTLEEKECVTTGVKQDTSFFYKDPPTKAMEKFTPADLEGKWKYKQGYN
PKYDTPCQINTFTPRADGGLDNDILFRVPKPEGGTGSWQNNFVESMANSKGPPEGKASM
TVEGKMFGLTFHEQWYVVLGKGESPDWRVYVAYIGDTQQGPYDGAFFVYTKKDTLTGPDGPA
IQSAVNAVLEAGLDPKQMVITDNTCPTDATTAGVSKEDASKEKLEWKDVFELTEWFRPG
TLKKQADFDPNKM

>comp15792_c0_seq1; 1022 340 3096 LEN=3126; translated
MKQSVATLLVLGTVLQSSDSFVTHPNAGGKPLAIAQKTMAGTGLPTATTVARWASTMDE
KAVDEKASEDETSDDSDVRLGDINKNEDINNFSTIADDDKESVGFGERVANSVASAA
AMATAAVNAAVSMKTLLEAPDVTKSYIALDKTQQELDEEGLPLVYDKDVEAYWSKEKAL
NKRWGYFVGKAVPFLTKLTLTFLIRDGKIEEKEIPALSRQARLDLQDLGPTFIKAGQMMSV
RPDVLQSTLDELTKLQDSVEPFDTKVAVEQIEKELGGPLGQFFTSISEKPVAAAASLAQV
YLATLNDGNDTKVAVKVRPSVLGTVSKDLYVLRRAAEVFGQLVERFAPQQRNTNYVALLN
EWSIGFYTELDNFNEARNQQKLRDLLMEKKVKGVKVPKYNELCTRRILVSEWVEGKLS
DASNEEINRVTPFAQEAFLTQLFEVGFHADPHPGNLILLDEPTEAGEELALIDCGLMAA
INEEDRDFMISAVIHLANKDYASLVDDFVVKLILPEDTNRAAVIPLMDKALSPYVKGGA
KKYEEELKKLYNMEDGNMQSQVGGFQAMTQDALTVLNDVPFSIPPYFAILGRAIVTLEGV
ALTGNPEYGIILEAYPFIARKLLTRESSTVQSALQEVLYGNNDGTSGLKLSRLALLLN
AAGAVATQDGAFFVDIDAVPEDGIDFQQGLKFMSEDAESLRTLLEPEVDSIVDILTRQI
FRQGIQEAIVALTPPRPPAIPFLGDILPPSPKLEELPLPLLLPGAEGVRSPSFTVTTLKQ
LTDVAVPKLNQKDELFAAGLADAAQEFFGEGMGDFVRGESVLSIKSIEILLSGLRSGVVG
KTDLLSPEAVETVIDTLSNALTLAQSSAPELSMEKELGEAVDNLDPSEKERLDEIVNEV
TKRSITRFLERLSSLESA

>comp15793_c0_seq1; 738 1 1363 LEN=1503; translated
XHEKVRNDNKKKEKMSKPFDYKWDKIELSDDEDDVHPNIDRESWFRMKHRSRVEREEHE
AKDKKRINSEMDKANQRLKMLERDMKIVKKAEDSDSDDDDLDDVEAIKIEEELKSNQ
AQRQATLDEYEKNNKWNVDNMFVKEERTMVNKNAAKSNYTSSTGHAQSTVTGEVAKKEFE
KARQEAEEKKESDSVKKASELSKPAAGPSKPPSATTATMPEKSSTDPTVEVSDPEFLYT
YHEFTEKYADLCEKFMFIKSFEDSKEFLLKYGTIMLQEHAAANYLLLATLEDEMNGKHDEM
KQRAKQSQIVTNIAEALQSWQTHPGNAILPFFNRLEQREFLEGFLSGVKVFVEKIEKRAI
IKRKEIDAARAEQHGTRVKKEGVDLSEIPKEERLPGGLDPLEVIESLPQSMQDAFES
RDTDQLRQALMEMDPKDAEYHMQRQCVDSGLWNAQ

>comp15794_c0_seq1; 145 1 222 LEN=222; translated
XGSVGYGSGKYGYGPSYRNLEGEVDIEADFEADFEADVVDIEADVADEDRELNGGYGYSY
GYGYYGNKGGKGGK

>comp15795_c0_seq1; 340 153 767 LEN=1337; translated
MLRIATILPVAVASLTTAEFALSTHAEGIISSNSFQATRGLSIINGSGVREGRELSPEE
AEEPKGSKSKAPKKGKDPKGEKGDGKSKSKKEKGAAGAKVQKVSCKGKSFQSEDILDW
LLDDAEGNVTITTTETVTTETDTVVDDETETTSTEDPPAADDSSSTEQEEVPPESKSSGAV
RSPSFASSVLFTHAATCVAAAQFL

>comp15796_c0_seq1; 142 113 373 LEN=373; translated
MSRIEEQCTSQAPLDYLGVEKQRLLKDVSSPTPTISKDSNSGSTAEKNPCKPDAAKSNV
ASIPATTEWISNWRFERVPSKTET

>comp15797_c0_seq1; 589 98 2104 LEN=2104; translated
MTGNTPFQEAALANLVLADVVDIDHYRIHGGMAVETDYIIGVAFKGGKNGNDANFDPFT
LSKTFSHFRSFAKELKLSISDGLVSSRLSKKKKEDSTTIKIGWYCETVYHLVESQKQYVVG
KVNYKFMKSLAKKRAAIIAEILESTLNNFPTNPKENKLTMDVSHAIETFFRTDICIEIED
REHSDDVKNYYLSEEIKVDSKHKHPEDKATVMSSISSASTPVVPLSRKPRSSLVTRKAD
LDDLKKTGKEARFLDDDDRAESEPPVFDSPVVSQGSKIGELFKNHPVVFVVTMGLLYY
LKRFGTVAVTVDLVMLLFWAAFCVGLNSARPINSSVAKSAGPSRSKRSKAGSDADGRK
LLRQISRMSIRSGHCNDTGDDSDYDESDDDEEPIESPLPVFPKGAAGSHMNCWSEPF
NDFYVRGPNYLKDRVKSVEGDFLWVVRGIDLFLTDTPPENAGRLSGIMGGKLRDVPFTII
NFRLPWGVLLAYFTIPDMYIPFIKAGHDPEFDKSSLASTDDMTPGQRCAARYCQSSAQEK
DELLKIVPSVVDGPVWVKSVMGKPAILGTMKPVSYVEKEEDGKAMYLEMDLDIVASSA
ARGILSMVRTYTNVLTIDLGFVIQGNHEDELPEQMLAGTRLHGLDPLNSPALPVPRDQFL

SNLEPAAHD

>comp15798_c0_seq1; 282 77 445 LEN=832; translated
MKLFIITFCLALLAATATALPQCTPNETDGYENCKHVYQVNGSGSDDLCEYCESKEDCLMVFP
PWTPSDESEDASNEEDDDDDDDDDDDTVEQNI SAIEEAIVSAAPSASVVASAVVASSFLAAV
MC

>comp15799_c0_seq1; 555 99 836 LEN=965; translated
MVRFFSTAFFAAAAALSASASALELDPDNWQEMTQGKTVFLKIFYAPWCGHCKAMAADWAKV
EADFAGHEVALVGSVDCTDDKNDQICEAYNIEGFPTLKWGDVNSLKEYPGMRSYDDLKEF
ATKYVTKPVCVSVHLEACTDEEKAVIEAVDVGKSDEELETAKDIAEQAFEAEQKFD AEVE
KIEKQFDALQKEFENTVEKIKAKTNFNIVEMIMNKRGLRVPRPEDFDPRFDMEDDDDDDD
LKGEL

>comp15800_c0_seq1; 263 299 979 LEN=1271; translated
MKLSVRMLATSLLVAKVWSADDASGTDILGELISGVNETINELMDTPLVSCAMDDYELWT
DNQALEAAVDDYWGSEYHESAAAVMGSSEEHYTISSYSEATEAYKQACISAGGLWDALP
DQTVDCYDEAGHTHTVTITTVNYGGCTPDSACRTVKGQWEALVVSFTELMLDEGLKCT
LKEPADDVVDADVDADASTTSAAPSVGAFASASIAAGLAVAMVL

>comp15801_c0_seq1; 927 185 2077 LEN=2272; translated
MKSDKVGNINNSKLTCKKDKNRAKTKRRGKRSNSSNRSTRSQKSTETVPASNVSSESEL
TSETRITNGPSTFSLKVPGRLLTTSNSILERSENQPVLDLQVDTMAANNKNGHANSRS
NSNHNTQQIALSPAETFDTVPLAHSPPSSVSSSRFSINSKSNKNNNRDSNRDYLPLVSL
NFDSPRNGVGGKPNKINGNKVVIHQSLSPSSKSSSSSSPRSSMPLCVWVVKPILGILL
IIMLLSQAASVFGWFFKFPKSLNDQVEALEDEIEALQGEINRLETQVDRLETENDRYEFLN
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EGFVTENDRLEALNTNLENGLLYLNTTLNQQAQTIAQEQSLEAIVALLGDKVEQQQRST
LVQLEISYRQLLMGWDCDFKNVFFGGSSSSSNSNGVLLPLPDEITAYVDERVLSKLCLE
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>comp15802_c0_seq1; 344 142 1350 LEN=1350; translated
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PVTVSKAFVTTLELNENNSVPSDGADLIVMGHGATSQGGPQASTLRQVTVPTVSNAACGNS
YPGQITDAMLCAGFPQGGKQDSCQGDSSGPIVRRTSNADGTFVDTQVGVVSWGEGCALPDF
PGVYARVSSRVGWIKETMCNTFNSVAPFCNNSPPPACDNAQNLIIRLTTDQYAQETSFTL
TDTSNGEVIMSRYSINNIENEHQICLQPDRCYDWTVRDSFPDGFDPGYSYALVGGNTIA
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>comp15803_c0_seq1; 610 247 1698 LEN=1847; translated
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WADKIQKTIPTVENTDSMAFTIHEPIGVVAGIIPWNFPLLMFVWKVAPILACGNTCIKS
SEKTPLTALLMGKLAKDAGFPFVGLNVLSGYGPDCAALASHPDVDKVAFTGSSKVGHEI
VKYSGSSNLKKSLELGGKSPLIICDDADLEQAADAHAHIGLFLNHGQCCASSRIFIDAK
IHDKFVELCVERAKKIAIGTDEGKFGQPQVDKIQFEKILGYIESGKQEGAKCVLGGKRIG
TKGYYLEPTIFTEVEDEM KIAKEEIFGPVQM LMKFN TIEEAIERANNTSYGLAAGVCSVN
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NNY

>comp15804_c0_seq1; 300 1 628 LEN=758; translated
XNNTSNYSTMKTAAILALIAGTASAF TTSNVNSSPRSATLSAAVDDMVGAVDLRGKEFFF
DPLGLAETYSPLFPWFREAE LRHGRTAMLAVIGFIATDFVRIPGEMYSFDAIPKTINAHD
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>comp15805_c0_seq1; 262 90 815 LEN=1165; translated
MASHDLHFTVSQNGVEDPSALHDPSTMPATPGPQSGILGETLSQSAHPVVCIFHLLFKGL
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GDKTSWIFESAENRQVNFSSVFWTVLYATPVVWSALMIGILKFNGLWLIIVVTALSLS
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V

>comp15806_c0_seq1; 168 1 170 LEN=539; translated
XYGGPGAYQGG SAYNAGGGHPYGGGGHPQGSYPGGGAPDYQQGGGAPQQQQQQW

>comp15807_c0_seq1; 442 63 887 LEN=1113; translated

MSNTARSVATKFLDLTGKVAIVTGGGTGIGAGLAQGMAEAGAKVALVGRRADRLEETATN
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EHWTVSLDLMLTAPFFLARAMSDAMKQEKYGRIMNIASPQSYLAFPDSPYAAAKSGNLG
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>comp15808_c0_seq1; 216 142 909 LEN=1082; translated
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MQPGMEIRVSHLPNIHLQPRSKSYTEMKPAASSKKRDYKYMRYSSLSMTRAAAHRYIAD
LERASNYGLRAVGNSSSGYMNCTIYPEAEYGAYNAHAYTIPSPVPIRATKGNISPTLYPY
NSTFEPHYQTYVQYG

>comp15809_c0_seq1; 474 108 1847 LEN=2313; translated
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SMEDQLAIRDPTSWKRAEDIYTYGGNSKSVAMITLSSPLTSSLKKFTAASGKNADGAVVY
GTVYDDYPNGATTIGIQYKTTDIQASYVECQVGGVLVKKTLKGCLAPSGSISLDGNVLEYT
YNPETENVNKRTLKKLSSDAEQMFRCEHCPSPTFRKFFDYGGFFDYADKWVSAAFKGS
TSLAKNGAFGLYGYVGRDEAIKKGTAIYLSIWMWVIKQMEDAFFECDSECTTDNCNNRAQ
RAWDEAVASYTGSLEGVDGTGSGKLLYALADKRCKDFKTCGSLANSAEGTSHVNI EIRS
FALGSRLLAQGECAEVKPYTERIVQLMSVPLIQGTLRYAYITSNNPSSGDKAEVEGATFA
ASILPLVDACDEDAADI IYENMKTGQAKTADFAKVKAALSVYGCMDGVDGRNVGGIWNAD
TGKYL TGAKPARGSYSRAASSVNVPLIVGCVAGGLVLGVILYLFASKCCNRSKLPPVEKE
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>comp15810_c0_seq1; 357 15 626 LEN=807; translated
MMKVSILAALLSSAAAFAPAPASKATTALNGEKSPAMPFLPYPQNLKGYIGDDIGFDPLR
ISDYFPM DYLR EAELKHSR ICMAAVTGYITVDLGYTIHPYGEVSSAAAHNV MVENGVMG
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>comp15811_c0_seq1; 224 204 824 LEN=1010; translated
MTVPCEACGKGCNELGKLCGKGCSEFGNLMCTPFMPYIAVTFMLNTPSVVYAIKSAQSYG
CSYSLFRWL VVNAFAVSHMVAALYIVKLIQEPTAAETAPETATINATTGLRAAE EGQSA
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>comp15812_c0_seq1; 2275 87 6848 LEN=7094; translated
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SVSPSDGSDSSAGISNIIQDIPACTRDANTFRDITLAEITSNNATS AVNEAMARI IYFF
CVKGRHSDGPTSGTGVSSLLGSLIPGRGNDVSADGWNLKS VSDVLDQDYSSLDWKLVAQ
NWDFPGFAMKDAEQFRILIDLRYSGARQQPPLSAFTSQWRNTSGQFSVIESIMSVPEVY
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PEVLLCSLVRQLHVANTPPQAGREALANAGLQIKTELMRELIPLFFRPNTHHRVQNA
ALRRLYAI SPNTVTAACFEAWRSTVGDNSQMRVATLVHI INIARFLPSPADAVASLLNGN
KDPEFSVAIAFVMADNDFLQKLPWLNEKLAQRNMSSVFAAAIVSYIAKTHSAASVRGSEP
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GRLTASNNSGSSGGGTSSGSSSSTGASDDVEEMATAYFQKIY TSEQSIGEVVEMLKRFKT
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KEIENAMLESQNRAAGSTSGSQISSNLS PAGESDSDDKNNGRSGFARNSDDAAPAQSMV
FAPNP SDGVS NLDISGSSVPVETKPRVAEFGPLLGRAVTDLADEEQVHESPPGNLLDRIQ
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IKFEVEVLCKNLGTRLEDIPLKDRELAKRVAPVKEKNPDFNIKASAKASASNQTPATPDAKN
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PIAVDRAIREIIQPVVERSVTIACITTK EIVTKDFAMESDENKMRKAGQLMVANLAGSLA
LVTCREPLRTSVSTHLRQLLTPNSSGSEAKLTEQEONIIEQCVQVCATDNLELGCMLIEK
AATEKAVRDVDEALAQQLN SRRKHREQTGQPFYDMSIFGNKQRYPAGLPEQLRPKAGGLR
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LSALAAKLD SGVTALLTSAGPRAPEVKLQMLPPEHQIRQLLSAVNQILPNLNANGEVVRP
LIQSEQDAVLQFSQGIFKRLYELSLGEPLRLEALVALLEKINVSCPKLGKDMGTWATYAP

TNTEAQRRLHRTVLLLLLVRSRLLAVIELDQFLAARADNGRNPVWVEFALLFIRTAFMERI
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TGSSSSLSVDSLRFSTASGKVAEATEAFAQKDPNARQQVTQLLENWIRVNNEAAGNDKI
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MNLVIDINKPDEPEPIRQGVLSVFAATFHVSQPLVVPGFSSWFELVSHRHFLPNMMLI
ENQQGWDTIHQLLIDYLLFLEPHIKIGEMTPPVKKLYEGTLRVFLVLLHDFPSFLAGYHL
SFCNVIPHNCIQLRNMILSATPKGMNPPDPFTP NLKIDMLSEISQSPIILSNVLGPIDSF
RGHLDAFLKEGQRRDILEAFPLLLKKDNSNGIDAPKVNSLVLYVGIHALARQSSQISLSR
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>comp15813_c0_seq1; 120 242 922 LEN=1517; translated
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VKMDSWSPDQIALMNAGGGNDACKAFLEDKGINMEAKLMANPTEAAAAAIRKDYDSPAQQL
YQKVLRARVDGEPTELAEPVVTLQASGSGDNTTSTKTSGGGAVGQPPVKIMEGFGSSP
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>comp15814_c0_seq1; 401 209 1519 LEN=1585; translated
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QTVALVEEVTKTGFAAAIFFSKPSAEIQNAFKGWSLSSSLACAGLPAVLALQGVLYVVS
YQHLDVTFNGLTQTKTLSAAFCCWLIIGKQPSPQLQMVVALGILFGSALVFQGYIRVETFW
KKNPQSSRTNDPATIVAEMKTLEGTSPPTASAKPKGTSVSKKNDDWWWRGVVPCLGAAF
LSGLAGAFSQKGLQVTGFRGRDPFLYTMVEVSFFSAITLLINIFRSDAFVDLEWQKQKTYW
NWETFIPIFMKATSGVITLVHXYAGSVSKGFALMFGVLVLSNMIQLRTNRESLQSHQVLG
TMMIMLSTWLHFTNPG

>comp15815_c0_seq1; 742 1 1910 LEN=1910; translated
XEDEELQLVLEDTLQSTLNGLLDEGCNDEFRAVENVQLVLTGEESENPDRNRPDNSFFDP
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PFDPTNEKRETDSPTFSPFDPTATTSDEAVASDATVLFVSGVCSGCCDDNFLTGLTNDVV
RRLKATVGEKISSSSSKAHKKSIPSPERFLQERQGLPKSDCFPIDAKENSGQIEATVVA
ESYQESLEEEVAVDVEILGEVEVVTCSMITEFRTTATFAIDGDVPDASIGELASSLQS
TYNDLNALNCDPLSRQITFVDVNVKVNIVRGRKQPQTRQRQKSLHRRRLQQAEDDESS
CDPTTVDTVETVIEFVVEGTCLGCDSTLFDGSRRRRRRARQLEPEHLRSIFSSYKLSAY
HAPRNGIRKHRPRRRLQGEICVCEGDTVADRPTFDEFFAVFADDIVTVPVAVCGIFDVE
VEISASKELEQPETFQDILELRSPATAPVLPPIILGSKEDITVVDEVDRDNELKDVVDEE
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PTTPTNATTSSSIAPSIAPSIALSTAPSLAPTGVPTX

>comp15816_c0_seq1; 368 78 600 LEN=600; translated
MKSMIAATLVASAAAFAPAQTGRSSTAIDAKAFSDDIGAMAPLGMFDPLGLIEDGNQEK
DLLREYELTHGRVSM LAVVGYLVTAAGIRFPGAQDVPAGLKAFDYLLASKDQONILLQML
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>comp15817_c0_seq1; 1200 260 3166 LEN=3262; translated
MRFQQFSSWLLLLAAAASTTAFAPRSVLSTSAAKVNSTTCSSNNTSNGINSNQSCTPVTAL
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EDNTQLSGLYQSGPMYCTQCEAMGFRRITYYPDRPDNMAVFERIRLEADKESYPVLLANG
NLVEEGPAEEDDSRHFVAVWTDYPYKPSYLFCCVAGNLGKITDSYTTNPTGRTVELNIYSD
PKDAHKLSYAMESLKNMKNWDEDKYGLYDLLYNIVAVDSFNMGAMENKGLNVFNTAYV
LADPSTATD TDYERVEGVIGHEYFHNWGTGRVTCRDWFQTLTKEGLTVFRDQEFSGDMNS
AAVKRIEAVSSLRASQFSQDAGPMQHP IRPDSYI SMDNFYTATVYNKGAEI IRMYHTLLG
EDGFRKGM DLYFERHGDVAVTCDDFLSAMSANDGFDLEQFALWYSTPGTPVVSYEHSYD
DATKTFSLTSLQSTQSKDGPMHIPI SVGLLDKATGEEVLETTVLNLK KDTQTFEFPNIEG
EVFPSMLRRFSAPIKLI PANGASVDEELLAFLAANDTDGFNKWDSGQALSRLVVFQVMEK
GADDALGEGSDT WASVKEAFARTISDTESSDLSILAYALTLPT EATLQEFIPDGEDVDPL
AIHSARGAVKKALAREFEGALRERYDAITAETKDGAFAVDAEAI GRRKLRNVCLEYLCGI
RSTPEEQASAADLAF AHYEAATCMTDKVSALNALASMDGAGAESRDTIVQRFYDEADGDA
LVLDKWF AIQAMADLPDILERVQALKEHPDFTLKNPNRCRSLVGGFVANAAGFHASSGTG
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VQRGLKEE

>comp15818_c0_seq1; 224 1 583 LEN=1142; translated

XNNNNNNNNNNNAAGAITGNGNYGTLANRNSPVKCPICPNQWFQNNRITTAGTAKTCGALQ
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GEAVDTKYIGAHECSSLSAALQSGVVSQDTCTLIKTGSDVVSKCCNAYAIQGRSASVPEK
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>comp15819_c0_seq1; 730 1 1597 LEN=1656; translated
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KTKCEFTGEILKMGVSEEMLRSGFNGSGKVIDHAPKVLPAQAYLDINGMPINPSSRDYPKA
MIQTGISAIDVMNSVARGQKIPIFSAAGLPHNEVAAQIARQASLVKQKDTMDTHEENFAI
VFGAMGVNMETARFFRSDFEESGAMQRTSLFLNLANPTIERIITPRLALTTAEYLLAYER
DLHVLTLITDMSSYADALREVSAAAREEVPGRRGYPGYMYTDLSTIYERAGRIVGRNGSIT
QLPILTMPNDITHPIPDLTGYITEGQIYLDRQLDTKGIFFPINVLP SLSRLMKS AIGEG
MTRDDHGAVSNQLYASYAMGKDVMMKAVVGEEALSMEDHLYLSFLERFEGKFI SQGPYE
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>comp15820_c0_seq1; 450 72 1553 LEN=1742; translated
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RGGNGRLRGLSGQAGASVAIKDYENAQYFGVVELGSPQSFVVIYDTGSSDLWVPGVGC
HCGIPFGPAKSKYDASASATYEDGGGEAFAILYGSGSVRGAYARDKVSMEAGSVVVVE
NQDFGRVSDAGGLGLLYGLGRFDGILGLGFSSLSVGLKTTVFENAIRQHAVDQPVFASF
GREDEGEQELTLGGYDASKFEGDDLAFVDLEEATYQIVLDSVRAGENYDKTTAADGGPV
TAIVDSGTSFLVAPKAEADALARAVGARPSLAPGEYTI GCDRVGEMPDLEFGIGGKTYTI
PGPAAVIESGGTCLLALLGRYANPLGPQWILGDVFMREYYTVFDYLGRKVG FARAVQSPP
GGGGEETAGGDADHDHEHDDNAVARTALGGMRDGHGCLVAAGYAWCVSPRGCYRPWETPC
GDRASRTDGGKVD

>comp15821_c0_seq1; 292 159 1214 LEN=1214; translated
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CIIVERLAPLAPNSVHNATCNDASGGGKIAIIRTYARFSGTPASSGSMVMPKCCHDPTPD
NTDLVVEYIFEVFCPTCDSPEMMDTDTQKLPDVTAAAYLLVEDQEHLDTIHGDEGSDEL
GDIYNSQGYTDVEVDTS DRGWIDEIVLPRSV PDRSMFTLRVNSPNSV VVHDY PNNWSAEV
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>comp15822_c0_seq1; 560 344 2034 LEN=2605; translated
MAIAPREAIGATAASKQTI RSTINNGXGIAVRLRASFWLMGLLNNAGYTIMIAAAKNIS
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GVAFSSQLQSGLGEASLLALAGRIDGAATDSACDGDGRVND CDGDFVDEQNDNSGREQD
GAAEKGVCLNGFSSGTGFAGVFGFFWKWFNNRLGLSLSNTLWLAIILPVAYLSTYRYVE
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DSDRFDSKTDLVGDSDSSPYGTGDDSYGESDDGLGHSGFNALDS DGNESRQPTSKLH
VSAMDARQRFCLVLGLWPMVPLFTVYVAEYTLQSGTWT TIGFPVTSVESRDTFFEYSNW
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>comp15824_c0_seq1; 400 73 1047 LEN=1450; translated
MDYDMDIDSTMSSITDKVSESQVETFRSFTANASISDLIIGLAFSAIILVCGVHMSQAYS
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IDWDNDNTKNRTLPTGSSDKDEEGQSGSFTTKTICLEDNEETDS DIEQPCEGCNYENEMI
TYNDSIECESETFATVDENHQVQQASSLPSTNTIISSTLMDAVTNNPCAICLENFRPGDV
VICCANSISGKKPHVFHQACSLDYIVSHNDGIKAPCPCKTSFLPTDSEQKKILKHCQPS
VLMIPHLENQEDFDMEDNGVSNTE

>comp15825_c0_seq1; 585 43 2004 LEN=2475; translated
MTRI IKRSRSTTALVVFLCAGLLAVGGFQLDQPRLQRHRIRGPKTAVADGQNPTRVVT
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RLVGAAMTPAAVSQSASNLQLAAEEQVSKMNDAMANDGEVRIQQICTDYTL DVAWRQILG
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LKDIDVDGDGKTVIPKGWLLDPSMMLTHEEDPATKLPDAMHLDAIQGFRPERWLDGSSAD
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>comp15826_c0_seq1; 325 66 1652 LEN=1983; translated
MSAKKKTGVIGLGPAGLAMVKELKADGGFGEVIGFDRCSRVGGRWSLDRDTHNAGIWKE
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TEVKSIEKVESGKVVVTIGSKNDVVTTHDFDAIVVCNGAQAKPYHPLESKLTDFSGDVIH
AQLFRSEQDFIDKRVLVIGSNVSGSEIASILAEGLNNGGCQKVHVSVRKMPYHIQKLAG
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GIAVSKNYVDQVKNGKLPVKPEVASVDGNNVTFVDGTTTEKLDIVCATGYDFDLFSFLPKS
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WSGRTPCPDLSRLRSNAEASIAKKMDKSSILNQYDVSTSLNEDIGDELGVTPSFPTDFLN
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>comp15827_c0_seq1; 596 455 2054 LEN=2441; translated
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LSGKMHTPRELPDHFVITKTHCGSRCSKCGPDEYIETPEEFLRRCTLGHALLTPAKVRRK
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FSKDYLEEDIAFFGSKSKIPKAPCHGEFYKWTQWHNLAHDVINIMRGKAEGFDFPFRDVP
VHKVYEDYNTKFEETANGILDFLDLKQVAPFREFTSRKDYGGYFPPEELRNIRDLVKSV
ASEETWSDVKHYFEDDVETDAAAAGSGSRSRKEEVAEEEEQSSDTSTKLLSGETQGNDFPV
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>comp15828_c0_seq1; 453 103 861 LEN=1173; translated
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AEFYKIYEDRDDHNSMNVIKEMLNIPDIAQQRYSTSYASLLEELDFALNAPPPVNSPTLL
FSGFPPSNMGEAALKMTLEALGIEGLECEEDESFPILRGTVTFADIESAKACVAQYNGMD
MGMGTLLEITSV
>comp15829_c0_seq1; 430 128 1192 LEN=1600; translated
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SNSMGIDCSKENPVPVAIKKSTVFDISEQRKMLLKLKALSQLOSKALVGFHGAFLD
AVVLVMEYMDGGSLEQWRQKKKTDNISDLLSTKSSRLKRERFVVSIAAYQVLKGLEYLHSQ
RIIHRDIKPGNILLNSRGEVKLCDFGISSLYGEDDASLQTTVVGTSRFSMPERLRKPYG
KASDIWSFGLVILELWKEEIPFKECASIVSLVITVEETSLLDGLSIRSLSGNLW
>comp15830_c0_seq1; 202 86 493 LEN=1524; translated
MAISARATLFTLVVAALALSAGAFAPPSSAVTRSAPVFGDIASSTTQLSERQWNFN
SPWGMKGNAETWNGRVAQVAFVWIFLQELVTGKGVFQGIIEGNWFFLLNAGVFGVGVVAL
TGWLAIQGDDDYTKE
>comp15831_c0_seq1; 238 177 1109 LEN=1571; translated
MMPQGISTPARISSLLLLSFSVSSLLVVSPLDALSSPHHTQWRAGQSESWTVFGRRSHRDS
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EIKSEIELPFAEVAYDAYSDLPRQSSWSSWLESVEVVENKYTDNNGYNGAKKVESLWTS
KMFGIRYSWTAVAVKNERPHTIQWRSVTGLRNEGIVRFYKREGKTYGQGPTLMTLRMAFV
APRAVSGILRRSKKLSRYVEEKMIAQSLQGFREDIVLKNLEKEIGSFSTEERRHEVSEAT
TAASTGTLSE
>comp15832_c0_seq1; 165 124 322 LEN=322; translated
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VVTAAX
>comp15833_c0_seq1; 453 301 1890 LEN=2206; translated
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VGVNVGRSKEKLAVAVPDDDDGDFRGRFVNTTSAILPGAPTNAPOSKMQSIQDTKMP
TSEPSISNALPVSLSNFPLAPIGSWSMSPSSIPGSTELPSFSPTHTIPTTPIDPVTRSPV
RPFANDDSVLTFCVIADVPYTEDEVADLPKQIRTQMHGCEFLVHLGDI FVGDTCRAEN
YETIRDIMLESHAPFLVPGDNEWDCIRSEIDTGWDHWTNHFIGFENNWNHTFSLIRQP
GYPENFYFIRKRTL VFLNIVGGRVHNETEWQIRLRSEYEWVRDVMLLNLVAMDASDGI
LMAHANPSEDHSEFFNAFRVFLRDVLKNQFPVLYLHGDGHDFMYTPNYHNQENFLRIQHE
GGTNEPVLKIMAGPKRGHRVRSVQNAFQYNRQLSTFFPSREKEKNKKDE
>comp15834_c0_seq1; 451 136 1146 LEN=1226; translated
MPSRQRYSLCALAAAASLAATADALVPPHVSRRPGRGPLFHKAPKHDVKGQAGSIEDLPA

DQREERIEAFVEHQKGVPRIGFPADVRSLVQYNHGFVAVMSTHKSNSPGFPGGSVVGF'TVDE
EGRPLFVFGSMSSHTQDILADPRCSLTVADKNFKGAADGRVNLMTAERLRDEETIAAAR
ELYLQKHPGAFWVNFDFNFRMEVESIRFVGGFARAGSVSAGDYKAAKPDPVMAFGGHV
AAHMNDHSEATMAMVRHYVPGLDAEGYVEGALINRVDSLGMVTVTRNQADETTLPGQP
QQFKVRLPFPEPITERGAVKTAIVEMTRASAPAPAE
>comp15835_c0_seq1; 197 334 825 LEN=902; translated
MLRTRSSAAHVWKICSAFDGRAPPLHRMSFHSIAQPMRSDGCLGTAKGTTTTKLSSI
RRRTFFTDHNSGAEQLETSSAQFTPLQEFLLDVSAWMLAITLWYAPRIEFDDDLILGENQD
GNLEYREDYGPCLESSSQSSSTSTSKSDRRNPKNTNEKKSDDKDV
>comp15837_c0_seq1; 449 909 2426 LEN=2543; translated
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TGELLMHRVIKTDIVLAQAPHLKRSVLTAKNGAGAGSGARFRIVTYNVLAEIYATQQQY
PYCDI WALNWEYRFHNIMREIVDAAPDVVCLQEVQADHYENHLYASMSEQGFEGVYKQKT
RQSMGLAGKVDGCALFWRRSKFHLVESYSIEFNELAQRQATQVMGLNPRSEEGINFLNRL
SKDNVAQLVLELANPQLASRANRDPINQVCIANHLYSNKEFPDVKLWQAWQLLQELN
FIMSRGTSPLMICGDFNSSPDSAVYGLLMQQTVHPGHPDVNVVTGDDCPNVLDPAMNIS
HSFQLGSAYQSVLGEEPQQTNYTLNFKGVLDYMCYSLQTLRPLSASPVPDESILTRHGDA
LPSTEFSSDHIMLISDMQIVNNGGR
>comp15838_c0_seq1; 835 1 2132 LEN=2248; translated
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NTGSAALDQWNEQKQAAEKENEESDAGDSSDKDSDVEPPLKIAIVGGGWGGWGAAKAI
CESKENVELTLLDALPDPTGATPFVSKSGKPVEAGTRGFWDYDYNINKLCEELGLNESDI
FTSFTNSSFYSPDGLEATAPVFSEGIKPKIDTPLPFLNQLSGQSFQPLPSPLGQILSTFP
LFERIPLQDRASMVGLLVATVDCIGNDVAVQEKYDRMSAQDLFILFGLSERLVEDFIKPT
LLVGLFKPPEELSALVVMELLYYALAHQDSFDVRWIKNGTVSDSLILPLATHLQEDYGL
EVKGGSFVSKIMYDDSEATKKTSTIEYKTRDGEVSTMDVDGIVLALNGKGM SAVMTNSPDL
AKYPTFSKAASMANGVDVIVSRWLDRYVPTRTPANVFSRFDALRGSGGTFMMLDQFQAE
NEDALWGDETPQGSVLACDFYNAGALLSLSDDKITEILMKELLP EAVPDFAYANVDSWV
GKFPGSVSFFSPGSFNRRPMPQGD PDVPTIKFAGDWVRMGDMEHGAKGLCQERAYVSGIQ
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>comp15839_c0_seq1; 898 88 1671 LEN=1905; translated
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VVGDEENNEMVQAFEIFLGLDLVSTNDPRLDIIENYERATDPEFLKWMEQKAENSNEAD
ERLALKDLLAMIKDVIKQELTKIREEREAREAAEAEQRIIDAEVVAEEGRQLSNADLL
RKAQKIDQASQASAEADRAETKKSFFEEEITPEILMSYEDTLKDLLPPYKTGTTPASVVM
NNYDRFDAQFVKVLNAKVAEGDQGCADLLNALAEEQSKRIANATEQLKTVLGMGDPMRME
GAIKMCREDKIDESFLLLLEVNENQAREAGAMP AELMKRRLRLRAAEKDKQASSKEIA
LIRKLLRAADSAREKMLEDAFTPRENLLVAGTPD NAAKAMDGEVPDQEKMPDPVPPDF
INACKAVMLNFGNLQYDDERGLASRIKQIASEAEVVATRIYQGMSLRDQDRMWKEQT
TSIFELEQMELEAEANG EKAPWASDKDDDDMLLPGFDAQGKMTIGGT
>comp15840_c0_seq1; 256 170 1110 LEN=1386; translated
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ASPVLIQNHRALLAWKETYGHPNIPKNEGGSSACEVLRRLHNQKLN GAEVAWLEGIGFR
FHSIEDVYRFADFGEMLARLMA YEEARPGNNFQVPKCPEDPELGAVVTGIRRLGREGVH
PDHERRLCDLGFQAVSTRKCGSKFMLKYRELSERAASGEDVLADTKTTDWIRAQQALRQ
GKLSQTRVQYMGQLFGDTWTTLGREAGGXEQQRAV TAPNQSIIHHPATPSIAASLHPCPGN
FWKHRARLVSLGD
>comp15841_c0_seq1; 379 95 967 LEN=1128; translated
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DSEDTSSSSVLERLLDFNPCIGMMGKRRNSSADAGEE EPKNKA AF SFSNPYSAIFKDRRC
SECCKGCTKLGYSKIVIVANHMFEEGTSRELPIEESSTKKIYLHKWCSQLRDYRNEHKE
GFNGVLCQLMDYFRALELEAQMKREAE LRRKQEEVARDTIDNSQIDRNLAEGQKKNATKG
FLKRVKSGKRIQKSFSMNACMGINRSK SANNTTAITS AVDES AFSRREI
>comp15842_c0_seq1; 821 227 2107 LEN=2345; translated
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YEADYRNGNHNASDDEDDSSLPVPLLGYDYHDDSHYRRPSNSHQRRHRLNHDQHYHS
HRQNRNAPPKLNGLNLYLVITYVLNVFTSYFIGVQGLFGVMPKRRDIFLEYETLVT PADY

AYYLWAPILVFEFFFFATAQLFPHYRARPIIQOQTGLYFFWACIIQTVWTVFFAMRWFILS
FVAVVLALLCLVFLLLASQHYNCLCVPTVHRGGGGIMTVVGFLLSSATGVPRQRKSLLEYW
LFRFPFYLHCGWLLVCTVVQLSMAFRYRFTDSTGGQLAADIVALGVLLPPGTFFLTQSS
GPDFVIPLVIVWSYISIAVELHTPSETLIELYGHPAIVAVRNASYVFTGLIGVMLVPRIV
VWIAQEFCTIDVVELVDDDEEDYISTTMNEVRNGGAEREKGGFFHGVSLRIDNVAGEES
ASPPSTHHPAVGGFADGSDSDEREDLPPLCTRRRNEEYVLDDEESGEEDFQDCREIDHD
GAGASAGGKHGEETPTETTEEDVVEE

>comp15843_c0_seq1; 564 1 2114 LEN=2114; translated
XLLLLKRFLRMLRFLRGGKSNRKTDRFEREKKSHGHGHGLDHEKENAESMSMGTSIYTTP
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TSSFSSPSLRLSQEENGIATDVPIDDISLASSNLSLQAVGPEGLVTGDAEESSIDEHS
TASSDISWYYDSETHHEKLVSTMDTQNHSDKRTVPQYHGDICEKREDMFSDISNRKDFE
EASACSTVSSLTMYKYFGQAGGEFVMPVPLSACTSSLSRHDGIRRSDEVSEVHFAHGPS
NGDKMDSSTDDSCCLNGHSIATSSNSVKSVSFVLISTLEAESLAKRLKPCIPTSPRMI
GKMINTNTPGMTSNPGLDGSRSKVVKTPVPQTKKQLYLIPKQEGEANFGTPKMSNV
TDLSDYSHMIPDAWENNHGATSVATTCCTEKKECSGIRSKFEAQSLKDRTEPLVPRRTIG
KTFRSVIQSEGGKMEYSCTKNECFNDQNSDANFERDIPSSSKEANSCQLSSSLSE
EISKTKSDPQEEASAIENNAIYEIENNASHEISNAAQMIHSEESLEACSEFHDTKTEISDE
DRRVEEKSIDSSRPKRTMNYPTVLSKSEEDQNELHLEGEERFTSDVSVSSLEHQFISE
AEDSSEVVQSLLTATFENEVYLDEANMVNKQTTHLRFYNGPVDLD

>comp15844_c0_seq1; 536 1 1860 LEN=1953; translated
RTTPNSMASPWLKDYFLDQLSSKIGKIHSQHSSPTADHSATNTASAEPRRIHHSRLVKIL
ARGQGERLACGDWSNGWVNRQRGSTPNLANHTNAWLLISDGSHSARVYLTIGALKQIF
DWDNKNNDGLFGRGCCVLLKQYYLESASLGNNDGDNLEERNLLEKVVSSLEPKP
GFNHHANSNDSFNSSASISPMKEIDLGLYGLQFLARERQLDKTLTSSTCGETNGSPNGTT
NPKSVVRDWDVAFGRLSKGIILSTSTLPGGAAVTDENSILNLAEKASSTEEAIREWENKKK
EYGITGADDNFNIGRNSSDHQNDRAQTKTNADSQEETHTKDSEASDEDEDEEDDSRLFQ
NVLATQEEEEETGEGGGESNMPLSTQTENDDNEENQSSTSEELLLPETQPTAAALEKRN
ELNGQPNSEKELEGLDATTRINAKQKRNRSTDDQSVSVSSRRLAMYDSIGTTRHGPRSPR
RRRGNRQNRQSRKRSKGIWDSVKTLFDPDRAIVYCVPSFQLTQGSHGSGDDHTYSTPM
KRSARGPGDHLVSGSDRSKTNLTDTRSTPNPSSGAYRYKYGLSRWLSRNTIAVESDSNSH
NKSNSAASSGDERDYAWK

>comp15845_c0_seq1; 318 172 1368 LEN=1516; translated
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PSRSSNSNKVDIRDVQQAFAKPPTEPLPQNQEPLIEAFPADGSCDVHASPODDHESDRAK
NGCNSRNSLDWHGAPRLHEVLHLSRAFREEVRRGDFTTPTNGVCPGFMQCNLVVLPHP
ISFDFLLFCQRNPKACPLIEVCDVGSPPHFGVAPGADLRDVPKYAIYRNGKLEKEVTDV
TSYWPENSVAFILIGCSFSYDGMNAGIPLKSAEQGNVPMYNTTLKCRSAGSLSGNMVV
SMKPIPALQISKHIEITSKYTHAHGGPVAVGSALAIIGIKDIDNPEWGESITVDEGEVVPV
HACGVTPQSILMNAKVPFAITHSAGHMFVTDLPSDMGL

>comp15846_c0_seq1; 588 96 1487 LEN=1612; translated
MPRTRDRLDINYGDDGTYSNSDSYSESQSDDTGSGSSCSGSDYDSYDVRHGEVRSSTTS
LEEGEQMEIVFGGNSRAERKGDGDDGYDGYDARSKSSKSMRSMRTITWKQIRLRQKKLA
IGIGAAVLLVLILIIALPVSLSKSKDSAKAAAPAPPKDI FADFAGEPIDDAGSSDNG
KTNTSEFTVEVTMEPENGLFDTIGDDGIYNDTIAPTHKGTTFWWETGGGQDSFEDDYWG
ATGTATWGPSSTFYPTFEFWWETGNSGSDREEGTGEPTVAVNTTNAPTTGSPTGSPTGSP
TESPTESPTESPTTKSPTVSPTTKDLFADFKSEVTEPTAPTESPTKIPTERPVAVPIIP
PRATQPPSTPAPTRITEAPSASPSWEPWPTAESTSWPTWAPTWWQPTGSHLPTILIDYPF
YFPMAAQNEQNEATVAEGRSEVELDGEENVMVTRTHHFFGRK

>comp15847_c0_seq1; 931 200 2233 LEN=2530; translated
MSAEETPAHPAPAPADAYVDENGNPCSKNAYKKRMAEAAKKAKEKEAACAALQP
AKKKKEEITDPNQFLENRRNAIAQMEKEGMNYPHKFHVDFRIPDFNAEFETKTTAGEK
IEDKVVSIAGRIVSVRHQGLFFYDLNGDGAKVQIMSDPKTYEDEEEFAKIHRLKRGDI
VGVTVGYPGKSKNGQLSVFPKTMILLSPCLHMVFPKSGDSCLGGITNMETRYRQRYLDLIV
NEEVDRDIFEIRAGIITEVRKYLDLDRHFLEVETPMNMIPGGATAKPFITYHNDLSMDLYL
RVAPELYLKMVLVGGGLDRVYEIGRQFRNEGIDLTHNPEFTTLEFYQAYADYNDLMDMCEE
LVSGLVKICGSYKIKYAPKPGMDEVEIDFTPPFKRISMIEGLEERMNTTLPKMDDPEIE
TKLLALLKEHNLECTPPHTTARLLDTLVGEFLEDNIHPTFITEHPQIMSPLAKYHRSKN
FLTERFELFAAGRELANAYTELNNPVVQRELFLQAKAGSAGDDEAMVLDDSFVTALEHG
LPPTGGFGLGIDRLTMFLSNKANIKEVLLFPAMKPSDEQMALIAANAPKSDSDFSLMALM

SSLSLGV DVTSD DALDKLDETLNGKSFLKGTAPSKDDAE LLEKVLKADEAAIASRSNVAA
WCKLLGMFTPEVRATWE
>comp15848_c0_seq1; 248 72 398 LEN=815; translated
MENPQ T L S I N N T T T F V E E M D Q I I P K H L Q L P V G I A I G L V A I I I A L G L T K V S S G K N Q K E A S K
V Q F D A S A V S T P V K S A N V S E S G T P I N Q K T G T V F T P A G R R S A R L A R R K E D
>comp15849_c0_seq1; 200 1 613 LEN=785; translated
X P Q T A T A H K N T T T A S A K A S F C S S T T P M S S L L D P Q L L T G L G C A S A V F L S A A G A A S A S A H G A
V Y A Q T S K M P L P L S L V P I V Q A G V L A I Y G P V I A Y L L V G R M E E S M T A G E G F R C L S A G L S V G L A
C L A S G W G M A G F L E K L N G G L D A P L P P P A P P S R E E P V T E S T P M L P R S E G I D A S T R A C F R K T V
L S L I F L E S I G L Y G L V V A L F L I G K K
>comp15850_c0_seq1; 286 138 575 LEN=1509; translated
M A G I A A A A G A A A M P G M A L A D G A V S A A T I Q R A K F Q Y G S R I A A L K D A V S K G D F G A V A A E K N A
F I L Y N S G A F P G T K N K D K K A A A I Q G T N A I F A A I R S K D A G A L K T A Y A A Y T K T V E L S D Y A A I S
A D Q G Q G Y S S D Y D Y R V K T S Q A A I W V R
>comp15851_c0_seq1; 537 395 1885 LEN=2115; translated
M I A A A A P V G G S A R A G M A F V A F L W L A L F V S T C Q S F L P Q M Q T N Q K Y P F R Y A N E E T T E V G E P S
S S S I G S P L S S W F P E D R Q I L R F R E P T T N V T V L L I G S M H Y N P A S I N L V E T T V E K L G E Q G E L A
S V I I E S C D I R W N K T Q E M L Q K K E E K Q R Q R L E A T N R W K Q S L G W P L E D D D S E G N D G A E T S R V T
Q L Q P L S N D K D F L G N E M R A A W E V A S K Y Q R P T V L G D Q R I N A T V D A L K A S L K E T A S D L L L G P P
G G W K R S F D E I G A N W N E T I P M A P L S L S S S Q E T D V A L R E G D D D Y L S A V A F F D P R L L I S L P V S
L V K Y P L S F L V K D P I P V G T F F A L L A A L N L Y G S G S L D L D P G S A D G L S S T L L A A A S A V L S A G T
A D A T W K D Y V L S V G I A V L E T V L F A R L L L K P L L A D R N E I L A R S V L D Q C A L Y A T N G K A A G N S N
N W L S R L I S S P P T F G E Q A L G E R E P E V G I V Y V P G T D P E T L M N G D Y D S P E P G D K E K V V V A V L G
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>comp15852_c0_seq1; 921 373 2621 LEN=2655; translated
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C R L F L D E I A Y K T K G P S P D E D P R V A T A R R E T E S K A D R P K A E D P L V L D D P L D G D R W I C E I S S
P E E S A R I G W Q L V E I D G L E R A V G V D A S S L K S G T S V L T I G R A I I E D V D T N P R M Y I P A G S I L D
L R T E G G I G T E G T S M R N S Q D L L A G T Q L A G T R V E T R E G K A G S G K K S L T V L A V R V I D A K G R A P
D A G L K Q L E N D I F D D E V C L R S Q I E A C S H G K L S I E P F S G R T K T N V A I N R G V V N L V L D S H D I S
A D N D Y N T L L G A A M K A S Q A K L G D L I N S K E F D L V M M C M P P G T L K G G A E W L A H A Y S N G K M S F Y
N N S C S P V S M Q L H E I G H N L G L A H S G D E R T T Y G D K S G L M G S S N D L D D I R M C Y N P A K S Y Q L G W
Y D E K V K T I N P I S N N K P D L P V R Q F T L R G V A D Y N A K A V D D A L V V L R L E Q T D L V P D Y Y V G Y N R
R D G A N S D V M E D W D K V T I V R K D S G S P S E Y G R S T K V A S L Y V G Q S Y R I K S F N G Q S K R T V E V K F
L G L R N G F G D A V V K V T D L R N S P P S T N G A K A P P C R M H Y V D V K A D L Y P D D N A W Y I A K E D Y V N G
K L V E T A V A A G E P I L E A Y G T S R T K V C L P Y N A K Y R F V V Y D H F G D G L L Q G D K G Y Y R V A D A T G K
V L F K S D D L T P F K H V V Q P I S V G S C E D M N G X T A Q V E E K Q D K D L C M G R Q E Q K V Q Q E I R Q V Q N A
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>comp15853_c0_seq1; 91 159 470 LEN=655; translated
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I R V G E R D D D C L H A K V F E P L P H T G D G P V V V V Q E R A T L Q D P L K I L
>comp15854_c0_seq1; 304 152 835 LEN=923; translated
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L P T P W E T V F D R A S Q I F F L T E I V R G F S L A L E V G L K P K V T I N Y P F E R G Y L S P R F R G E H A L R R
Y P T G D E R C I S C K L C E A I C P A Q A I T I E A E T R E D G A R R T T R Y D I D M S K C I Y C G F C Q E A C P V D
A I V E G P N Y E F A T E T H E E L L Y D K E K L L S N G D K W E K Q I A K N L M S E F L Y R
>comp15855_c0_seq1; 256 93 926 LEN=984; translated
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L S E R N F S A K D M T W M S S P F L R C I Q T S N E A L N A F R S I D V S S D L N I L P E Y A I F E W D G H N G E W H
K D L P P L E E R V N Y F P R L D I S Y Q S L F V P S L P E P R S T F F D R C N R V V E T F N E R H P Y K P R Q V F F M
V S H A A G C V A M S K A L S G L P L N E I T P A G P C S I Y M F S R T S G S E K W T L D P H D Q P K S M N G F T D H L
N D M G T A T V P W N N F G D G K T K F Y T G P K N S R F A P K E C S E K
>comp15856_c0_seq1; 502 1 1213 LEN=1330; translated
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R F V G E E K T E D D A P G D E A P K E D E G F Q Q P Y K E R Q I T R D E M G E E P D F A H Y K T N V A E R L W R A N K
A A N N E G L T A S P D M V P M A R E Y Q E W R Q K M A L L N R Y I A D Y Q S A M Q E V S E K R N K L I E H Y A L L T K
D T P L W S H V G Q P L T P E Q L A A V A E D E D A E P A E D V E T R T K A I A Q V A E D I G P G T L M A Y Q Q L T R M
H D E L N Q K D Y Q T H I A A Y I D E W D E V V T S K L D K D V K A V H D L G K K R E Y Y I N K V D K L R E K V N I I E
R K G K Q L A P K K L A D Q L D R N E K K L L D A D K A Y E R K A N D V S V S L F E A T R R S W V D L Y P V M K N V M K
F E I N R I G R E S S T Y G N Y H A T L A A L K N D Y K V A T A N T V D A P N A G S A L

>comp15869_c0_seq1; 517 209 1144 LEN=1346; translated
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IYGNNFNLGGLAGFPFAGKTGFGAMAAHI PDDGYCLIVYGPHVGVAAADGTVGKVERSIA
LVDTCCGSAVAASGYVESIMSGTKELTTGIQNFVDFQQQGVQELILPHGKRLADADDRMI
ELPYALYDSQDMLMTEIVVGGSTGIKRGMLLGGVQINTGPDTPDYFVPLKFDYMNVRGE
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>comp15870_c0_seq1; 236 129 710 LEN=926; translated
METSTLISRRLKTYKHCRPKTFSTSPQSQENRIRSRLLNRLGILHHQKDSNEMPRVT
RHELHSIQTKNQSVPPFFQPLRDSDEHCYLLPTTIYPTTFTTSKHGTIRANISMKRTKTSR
VRFDNKVLVPIPSRHAYSNRIKAFWRDGNLEDIADRNYEYASEGSDWSKVLEDEDM
YIDVDTGEKVHPC

>comp15871_c0_seq1; 318 167 733 LEN=1016; translated
MASSMIRGILVFGFSALVLLAHGGEAFVTKQPVSTSSKVGTDLPKVTHLPIYDMLSKGKE
QHSSSSLLMATEDNSKGGGLPFWLDPGTRGGAVFLSLVLFIIPLVGYSVATNMFVDEVD
AGKYIGVGFATAVATLLWVSTYIFRVATKDMTYAKQLKDYENAVIQKRLEELDEDEIQALQ
EEIERDEF

>comp15872_c0_seq1; 356 95 1543 LEN=1742; translated
MSNNINGGGRSRNALSSVDFYRRVPKDLTEATSLGAAMSLVALSIMGILFFSETAAFART
KIATSITLDENSQPRRLNLFNITMLDVHCDYVSVVDVWDALGTNRQNVTKNVEKWQISEDG
NTRLFSGRNREQREVRHEEHDRTLEEMHEEDGVHAVELTNSFKGFLAENEMAFVDMYAP
WCVWCQRLHPTWEKLAVEVKLNMPVIGIGKVDVCMVQADLCRDQKVMFAFPTLRWYEMGKPI
SPEYKMDRTVQAMVGFARLKLKLEMNKFKDWEKGAVDREGESNEAIDKKRKLFAQNRDPHPS
CQVSGHLMVNRVPGNFHIEAKSKNHNLSAMTNLTHIVNHLVSGDPIDQKSRRAKRILKQ
VPEDHRQFNPMDDSLYVTKEFHQAYHHYIKVVSTHLMGTALANQMLTYQFLEQSQIVYY
DETNPPEARFSYDLSPMSVVVEKEGRKWYDYLTSLCAIIGGTFTTLGLIDAVLYKVFKPK
KL

>comp15873_c0_seq1; 268 255 783 LEN=996; translated
MDMDEDTFILGLRRLVFAEFREDKTEDHRRMERGQPPKGVGEELRPNLQEQDDPVALAWM
AERDDCEDDERSDFLVARNDMLSTVPTVIVFRPKKLRKREHNYPEPELNVSDYFVKCSDFG
YEKGIKNQKKTMSRLKKTTFYLFEEVGAEAGVGAEAEATHDLYDKTRSSDYLSG

>comp15874_c0_seq1; 299 184 1009 LEN=1069; translated
MDEYTLNKYDHHYNQQQKVDSDGLKIDGLGSTLSRRDVFVGSATAAIVAAALPLPADALP
DGDPPLDGLHVRDRKSNKALIREDYWFMMGKTPPRVNLNGLITDDPEFNFAFGSCETSGG
GGGSNSCTYVSLKQRI PVYSKYGFSITLGAKEYSMLGNSLRKGDWNGAVPYLVSQDSNLP
PPPPVDALLKMLVLFASGMLTSPNYSGPSKRLLVARFYANEVGFAGFAIGEIKEAIDARDQKRA
MEAWEFGRDSFNYSYFQIVNDSISPKVGDKFDLIQ

>comp15875_c0_seq1; 373 62 1324 LEN=2083; translated
MSTPKTVVSSPSRRVIRFFDPHFHWWDTTRTVAASDTAHTRADEPEKKNDDGTTVSGHDG
GQIFVPGSDRYGRSEYEREVASEPADAEEGTQSGCGSSSPFVVVHEGGICIEANSVCF
VDRPGSELTHIYRKELEWTLDQMPDPHGDGNDGNDGNHQQDAHRGERDGTALPETPPP
KTYAFVACASLESPDAESWLAELSRKRPLVCGVRQILNHEPSWPRNASLGELLTNEEWKR
GFAFLVHRTGLVFDAQLNPSQFGPLLSVLEETERAFAAGPETAVRKRAAVVIDHAGTPTR
SDLADPARSAAYWDGLEALAGCGLVAGIKLSMLSYAPGPQGSPPSGWDRDPVVEGAVHRI
VRIFGARRVALASNAPVDGGISGWVPAVLSGFGFVGLGDRYTEERSWLFGGAAREMYGL

>comp15876_c0_seq1; 593 557 2218 LEN=2235; translated
MTPVPRSTDNRNTHMHHHHHHMLNSQPIQHQQESVTRSRLSEDRTSCGLTNIHSDVGGSS
SPHGTKEGRPFDSDNLEGVVKSNSVSASTGPPITIVTAPQTTLAAASEESLVRNPVAGS
SVINSCGKLVVDVTPPHPTARPQNDETIVCNQFVVVGGSTSLSGVISTISPEEQPPPTTIL
DSLKKSSPTVGTALKKISITSTDNKNYNGLLGAERPCLASHDRPAAIVTPSMPSTTDL
GASAREFQAALVTNNTNLTIHCTGGDRLLSSTADSSFRPNTTNTNVGSKRKLSSSTAAPPA
SEANLSVDTRKGAFFPDNVTNTPLSRRRDSLPMGLRNKKMKATDCLLFAASLLEQDERA
EGLMAARSEVNSSTASALSVAAHCSPPPYTTSVATPIAKTKPKTKPMKKMVCEKIERSLR
ETTEKLLKQQEQREEDGDAEYKPNEDVLCGRGGKVNKHPGNIYVRKVVEYNKSYQQSVH
KKHRILVSQSIVKAIINYGGRFMGQNNKEWSEIGFKRAVQKTSQALRERSNTSDVLQGGI
QQLVAVTTEVIK

>comp15877_c0_seq1; 269 62 673 LEN=894; translated
MKQMKTKAKATITRIVKVPQKIGHSVLTVDKLLKQGEKKDEEYPDWYEAERDEATYKS
KISHAKVCSDIIEDQHARSSVTESRDECIREITDHLKLFLEKSNNSNSERYEYEEWIMAL
HPENVDFIGSRLIDHRFYMKDSHRELWNECMITMCKESIVPEESRSNKNKSRITLVD

VLVEEPEELFSAIDQTCCTREP
>comp15878_c0_seq1; 253 156 833 LEN=1108; translated
MIDANDSNKLGKELTNNYPLVVFMAKSTLQIDSGSKVSSVAVTAVYINGCDIRATLCRG
DLCEKTSFYKFDPLRSKNELSERILSDVRNRVCAPNP IWLVTDPALFILVICGFLAY
GTYVGVEDMTNAFVQHPRIERTLTAIFGSPRTFSYSICGAFWFSVVAHGIEATVGVHNAV
KLLLELGMVPASLWGMIFLVGYPIFRRLQELISIERAHVKSCHND
>comp15879_c0_seq1; 318 482 1144 LEN=1243; translated
MHAMIIPSETMLLTSATSNEAKVTIMTADDETATCSSFTESDDSTTSHTLKEVKGSILGP
STSDTGSESESVLSRASSSSSIDSLDESENVITKKRVSFDAVNIRSYQQTMGDNPVAVSYG
PPIQLDWDYEEHDSIDIDSYEACRGLSRRTLQMATSYQKTFLEREYGFTEETRQAK
KDANKIKFRREVTKSLLPYMHVEDAIESVGRKVKRMVSKR
>comp15880_c0_seq1; 444 1 1680 LEN=1937; translated
LQAHKTKRHATDDTPSKENKTKKTQRTMSKTQSSPTTKTRWPRILIAAVAMALAAVFW
TLPCHTSLTSLFQNTTSAGDI ISSNDATKTSPLPEPTTATTQNSFTFPPSSSTPVPPTLS
IGMGFQGRNIPECCSFCEIEQVNTETVRPLLSKIVATPFFSHFKIDLCTSCELWEDAPL
CRMKDCSVCECEPPAWSFENVPEFPLTGPDCDGISDDNVVTTVDASIRNGWMSGGIGGS
NSHDYNLFGIVDGEDSGNSAQVVDLLKNPEGYTGYTGP SAEKVWSAVHKQNCFPQSET
PKSTPSVEESAHEINVDEYCFLPSEQRLYNRFISGLHSSISLHIAHSYCLEMDPHKVGE
RMWGLNDRIAYDRVLSHPDRVENLYVAFSLLLRAVVKAEGAIAAVPASDPVLEDSLSHW
KEDLLPELLALPQRAPTTFNESALLFDEDFKSSKAKRSELQRRFRELQSIMQCVGCDRC
KLWGTQLTGLVGTALKVLFHQDDGGKISLSRQEAVALVNTLERLSSSLVFAKEFRQRD
TANLFRDDPSSCSNANRP
>comp15881_c0_seq1; 450 62 886 LEN=1036; translated
MPRYSDEWLIDKTMFDYVQGGSCACCSGFLFMPGGTPELIRSMSEFETDAANDEVSA
LDPWPQEMKDEVWKERVRLRQYCKKNMKIYKSFWEYDGRYQAWFHLSRLKIRRLFQ
LARTEVVERLQHQKFMHAAFGTVLCAVTEQVAHFVETKYPVDGRGEAIEGFENILG
YDRRGFFTLKDDEEESRTKWLIRHKALGGPKLLERNPKANNDSNEDGDGDEKED
EDIDRKSSVPSFRSDRRIIRLLIARCFADTLQEAFLKEVEESGG
>comp15882_c0_seq1; 1081 114 3227 LEN=3439; translated
MSEPLQHSQGSCININRVVFDIEMGSDSNFASSENTTTGDEVMVEGMANSNEFSI
VGPLDENERNQASSEYSHDNSSRNQNSTSFLKNRKKGALRRGSGATQSTSGNNSGL
TGSVSLRSRSSHSTGGSSGSGSVYSPHFKATPRPIWYGRWLFLLCLVAVALGYLTY
SSLSNNETNLADCVFVKVAENAEVIVISSNQKKKLGMDTMAVIGSTGYDRGQWPY
VAQDDYEAIATNVIDTSRGCNIAYGPIILTPVQVPSFEFFAADWYQKSRVPGPF
PNGTGIGKTNDQVGVWAMDNGTAFHDTTGETIAWDSERRIVVPMFQHPGASKKLM
FMHSSPLLGSTIEKMMTCAEETKELILEHEITYANLPDQDGEATEVPPVPSLKDCT
MVTDIAQNKTSTIQKEPMGPGANMLQPIFPATNTTEMVGLVTSIVWTEETMDV
FSANVDGVVYVSTPSESVTFTVNGKVEFFGTGDLHDPNYDHMQEGNITIPGLF
APQVSPYTIALYPSDTVYDMYSTKNPYATIGAI CVMFFTVMFTAYDCMVRREF
SAKAELLKAKRHFMRVYSHEVRTPLNSVCMGLNLMQEEIQSKLSSAGADGSGTAS
ITIDEATAWLDLSRDVHVSARSATNLNDFLNKYDIESRQLTLELSVIPIQSLISE
ISKEFVLP AQDKAIQFTLTQEKVDATGVACTNSSNNNSNIKSIKKEVDHTDEI
QSELLEDQVVVGDKARLSQVIRNVI SNAIKFTPSKGSITVKSKWIVATVGEST
SINLQDQGTEDLHQGTGWIQLEVTDTGPGMTEEQLATVFESGVQFNVNKNQKGG
GSLGLFIAKGIVDQLNGTLTVHSDGLGKSSFVCKLPLFCPKPEQNL CNVPIVHR
DQSITERVSSWLDEQHEHDHSYRILVVDDAPMNRKLLTRLLMKRGHVVEAEDGLE
ALEKVTAEMKVGKRYDTILMDYQMPVIDGPTSTQRIRMEGCDSFIVGITGNVLPQ
DIEHFKACGADGVLGKPFQVEELES MWIEYGVTSDE
>comp15883_c0_seq1; 465 74 1315 LEN=1443; translated
MKFTRSAICTAFGLVVATTLSATPNVDAFSP IPTSSTSNRQKVGTTSAFTPRSIQ
SMASSSSTSLNSYTIIGIVGATGAVGKEIRNCLEDRGVVVKDKLRF FGSE
RSAGKKVSTKNSGEVEIELFSVDAARECDVFLAVDGFALAHAKAISEGDDGAVV
IDNSSAFRYEPEIPLVPEINGECTKSKLIANPNCTTAIGLMALWPLIKQFGVKK
VLMSTYQASSGAGQPGMDELTEG TKQYLEGDMKSHDEIENKIFAYPLPFNVI
PQIDKFQENGYTKEEMKVTWETRKICDLGDDVPISCSAVRIPTIRAHSEVIVLE
TEDKVDLEVARKVLEDAPGVVVKDDPETLTYPMPLTATGSYDVEVGRIRQSLA
FGDYGIEFFVCGDQLLGAALNAVLVAEEMDKNGALA
>comp15884_c0_seq1; 369 1 1214 LEN=1438; translated
XPPPVRNYQMKKTTVVLLYGKGPILTTTKVPTLRTTRIFVTMKVLLVSALGCL
LATATVVE SFARSSVPGRTSPVGSRAFALGNSATDEATTAKSGGDDTAPNGLL
KRDRYVASNRFVVRPGREAKFEKRWATRKSRLAELDGFYFHLMRRVTLNDDDDG
STSYDGGDDKESQGNYSFTVWDKKSDFSARWKGDAFVEAHGGTSIGAFVSTMV
NSALVLKGP RPAPAFYDGLLVQSE

EPEFMPETVDGWRKIDFPNEGTLPAECFVACNQFFVPRDNAVAFAEQRWKNRESKLRDCEG
FVAFSMMRRDQAKGHGTVMDESVEPTYLSTTIWKDRASFQKWRDGSNFSKSHGKKDEG
EVKGPVEASKKSPPPQAQGPPMWSRPPKPIFYEGTLVISTADGA
>comp15885_c0_seq1; 157 31 678 LEN=970; translated
MSFLSSISRPLISKASCVRLNIALRSMAGTAESRTSALGKLDSDQLEQRFLDQVPVKD
NVEYTI SRVDDL VNWARKGSLWPMTFGLACCAVEMMHAAASRYDMERFGMVFRASPRQSD
VMIVAGTLTNKMAPALRKVYDQMPEPRWVSMGSCANGGGYYHYSYSVVRGCDRIVPVDI
YVPGCPPTAEALLFGMLQLQKKIKGNKALLLKM RK
>comp15886_c0_seq1; 335 168 1346 LEN=1477; translated
MINLAIHYNNLGVDTLCGRCPNNTSGGNGDKYRQASNEYELQPRHCPGSNIDVRDEQSG
EPVRKRRKCMIDVEFQAKRTINGEEKTIHQIDSALALFQKALAFIVQNTLAYLQNGLY
HPNDDEGFLRYENENVRRQIISSTNPCDTGISLKGESSCKQYIYWKAIKIGNEDIIDLK
YTNQQRCQKGGHSCGNHNHRGRQEP RPQGEYEALTKSIYHSMICIFNIGLCYQYKGMTAK
AEQMKLMANYANPFAFGFNNNYDFLNASIDHYTQAYELMTRFRLEDTSQYTFMLMAMMN
LAATYGS LGQTSKVNICNRCLVQSLILVICSSERDGH LGQEVLSRTETKSVLRKEEDRTT
FESFLSNV MYLMLGDGPNGDQRYSGNTVAEAA
>comp15887_c0_seq1; 166 1 202 LEN=292; translated
XDDDDDDDDADDDDDADGEVFAFPEDPLDKLIHVEDHGFRCRTKSRFLLCPGVPEQADHT
IFYVFGWLW
>comp15888_c0_seq1; 247 268 900 LEN=1198; translated
MEASRRILEEYVSDANASYSCPSWAPT VGFVGIASAVVFANIGGAYGTARAGQGIMSMG
IRSPELLMKNIIPVVMAGVLGIYGMIVAVILNGKITPPGQGTRYATYSQFNAFCHLAAGL
CCGLTSLISGIAIGIAADAGTRAVGAQS QMSESWKMGFSGDAGGQSN SGNLDFVATIL
IQVFASNIGLYGLITSLILSQEYTCDYNN
>comp15890_c0_seq1; 395 231 1484 LEN=1558; translated
MSSSHVLSPTALRSRRRGRPCTKSHLPVDEIPQSPCELS PFRNRTNICDEENKEDTV
IGSSSSTCSLTLKIRRTAVPSNDLPNIVSAFQMPSSI INKKNLHESFDTQETVSVSESED
EISSHSSSFDDGESSSEDSAYSCHSKRSIRFADEVGLPIQNVRYHCECDRRRQEHSELLVL
CLFPERKKFEFLHVGYHCEEKKGVTVQALLSELPGMCTDSIFSSSEFVTLYRSNPVDNA
FVNICASPQSTSENETSTEEFSSQTLTDCAFRENELLVASVRGSSERAVLEGIGSLLSND
TILKTLKRARRSRRSLKFVYSEDDRRYRTLRLSLKTRKRANKDAKSDVQLP IVEPKNEV
HHREQTAATTQIDCTDLVDEYCHDYDFCDESDFYLLVAIITISLGTVVFSAMGI
>comp15891_c0_seq1; 5 1 205 LEN=250; minus strand; translated
XTGSLSVSKEYLAFEGGPPIFRQNF'TCSALLDTSLKASHTGLSPAMAALPNAFWSLIGL
WSPFARRY
>comp15892_c0_seq1; 315 139 1495 LEN=1574; translated
MDTLSTEEQNPTDDQRPVSFAIVSTAEIAKNKVI PGLLSVPYAVLVGVSSRSREKAQAF
VDEHCGGAPCMGMTHDEIFDGV DAPGTTATPRIDALYVPLPSGVRNSYLKRALELGKHVY
SEKPHGGTVNELRAVLDLAASKNLQWMDGTMWYHAHRTKEMEERLLPSSSNASGNPKPLG
KVRRVSASF TWGGGGLVDEAWREGNGRTDPLREPMGMLGDSGHYPVSAVLWAFGWELPT
MAKAVYTKRNRGAIISVEAVLWFEDGGRAIVDASCELP HRSQFEIVCDNGILRVDDL VG
GQGRSGDFGAYERPFVGA SEYTLGDYTRDRTKASAEACDQVQCLLRAF CGRVKAI EGGGA
ADPEWSRRSLCTHTVLC AIFESSMRDGV DVGIVRGNTDTRATGYVIEGQTYGDRRRGTGA
KPPEVPDEGEPIFPAAASTVLR AQMFVSPCC
>comp15893_c0_seq1; 565 350 1843 LEN=1877; translated
MVSKNITRRQRLSQTFFYYMTSCVLVMSSTLILSSVSPASQPWNCNSFQAVEAFTSPPHN
HRHPFGQSSFATTTAGARTHLFSSPTTETDSETNPEELHVDHSP TDCPTVVRAPLKF IGP
YPCALRFPNLATESQRSRNITGISLDFVMDTAANVNTVQSQAQELL LPKQEDSPALPG
VSSSGPMDGGD TYVLGDSQLEQAAIMVLDNLREQTEEERKQQQEPPEFEMQNL TAAALPV
VNPGSAGLLGLAFFYCFEGGVEFRWGSTQQQPQLVDGMI VPTDFRDDSSPSVTFYGEDDS
SNSDSSLQRALSDLVRVPIETIPVTQLPSLKIKNVNGVEVMALLDTGSPVTVLNQGAQA
GIQTTQDTAKAAAQ TNSAGGWKNP FSSVVDKFKEAQATAEAAAKGEILMIGGSDGKPV T
LYRSASDHHSISVATGLGGDDL SFGSDLPVYVGDIPGLAALNGIGVDSPPAVVLGLDVL
RKRPRMLFRPRENEVYF
>comp15894_c0_seq1; 144 1 528 LEN=956; translated
GRKVEEENRSNFERNKYNN ETDLRHYIDKMDDYPADEIPDP IGEESFDRRYTTLME
FLSTSSEMRTASSFKQSLWAGSGAMAGMVAGPVGGLLGGITGSLIGFLKSSDYDGVV
VHLCKLDPASKKELLIQVGHLLVAAGAATQGLNTE SALRDALVSYACQSGVRDQIW
>comp15895_c0_seq1; 442 152 1522 LEN=1553; translated
MSNVGSSGRASGGELEEKIDLTPETDVKLEQSAQLAKGGQLKDALAMLA AVEKRCRTGND

TANLIRVCKASLEYCKDAGDDELLLTTLQTLATRRSQQAAIKALVHTSIPYCVVEGQFTP
LPVTSLEKKS SRDKLVEALREISDGKIFLEGERARLTRCMAMILEQEGDTSTAADVLEQEV
HVETYGSLSKREKVEYIILEQMRLTLAKEDYVRS AIVAGKVS RKHLQEDNMEEYKVKFFTL
MAKLRHEKDAFSLAKDYHSIYSTPLILKDDTKWKEALQTTVVYLALSPHSNEQQDMMNR
VCEDSNLEKLP SFHTIIKLF LKKEI INYPMANQAEVEGIPALKEGGQDLAQFWHESFHRR
IIQHNIRVVS LYRRIHGARLSQLLGLDPVRLEKEISSMVSDGSVYAKIDRPKDIVRFSE
PKSPEVLS EWASDIDKLLHMVETTTTHLINKEKMTK

>comp15896_c0_seq1; 409 1 1212 LEN=1266; translated
SEGKRINKFMKMLYRVALLALVSTATLSHGFMPRHSVSRGGALPMSTETEEKVKDKKVEG
KKAGKDAPPVNI GWD SHTAVEKVPDSL VREGDGP EGNFPMRSKF EKMC RDAQIEITKAI E
EIDGEAKFQEDAWTRANGGGMSRVMSGGKVF EKAGVNL SVVYGSMPQEALQAATERGVD
RAKGMAPGERV PPFACGLSSVMHPKNPHCPTMHFNRYFETDGGVWVFGGGTDITPSYVN
EDDMKH FHGTYKEICDKHDPGYKEFKDWADRYFVIQHRNETRGLGGIFFDDQNNKEPEQ
HFEFSKECLNSVVKAYGPIIEKHKNDEFTQQEKEWQLMRRGRYVEFNLVYDRGTVFGLKT
GGRIESILMSLPETARWEYNVIPEEGSKEADFIDACKNPREWV

>comp15897_c0_seq1; 676 16 936 LEN=975; translated
MTFIQEGRTKAYFSRYQVKFRRRRREGKTDYRARKRLCAQDKNKYQSPKYRLVVRFTNTKV
ICQIAYALVDGDRILCQAQSTELGRYGLTVGLKNYAAAYCTGLLCARRLLQKVGLDEIYE
GNTEVDGEV VSTEYDKKTYFVEEVD DDKRPF RALLDVGCKPTTTGHRLFGALKGAADGGL
DVPHSEKRFP GYDRDAKEYDS DMHRERIFGGHVSEYMEYLEEEDNQKYKEHFAKYIEADV
EGDSLEELYESVHEAIREDPSPSEKKDFSPDKSFKRPAKLTYDERKA AVAAKKA AKVAEL
EAEDSE

>comp15898_c0_seq1; 699 121 2316 LEN=2569; translated
MNLHSSVIRNTIGTVCVLLSAAWSTDAQSHLKRKDLCPYSEVDPLIECVEVASYGGLVE
VIENAPSGAEITFCPFFIRKTI SVDPI MVKKG I KVT CARKEEDQFCTIIIGYGNHLVIDTA
EDTLWQGFNFKGSNDHAVLITGEADNTE LATHTFCQVSFSENVRAKSTRGGALMLERSAG
TVNVVETFFAENFSSTYGAAIYSRTNQLNIIYSLFLQNKSNGYGPAVFVAQGGNLMVKTT
TFIGNKGRDGHGVLFNPGEGAGTYEDGFDNSINNGDCRQVYDLTTKACIVFNVSPPTRY
TPSPTFKPTKQPTKLPTAPPTIAPKPTRPPIVAITKSPVKVYTAAPT KVTVTKAPT KAP
NSTQKPIVSPNTKPTIDITKGPVQVTAAPT NKPTLTKKPIASPSNNPMIAPISATAEPT
DKQLASAPTITTKPTTEPTKKVTEANSFAKDIANLCIFRAIPKDRKCIDVET YEDFKVA
IKSAMKSESKDVQFCGGFTLEKLEVEPEVDRSIDIRCIATCTFFGVGPF AKISGLSKIR
LQNLKFVNAQETS AVVVSTISVASKTTFCETEF SKNLVSPENLDLGGALT VADKSGIVNV
VNSTFSGNIAALGGAIHSDGFKLN VVGTSFVANNA YNTGNAIYVGDGNHLFVESSTFILN
IEAASRELGRGGDGAESVAIAVQPD RSIRSGIHKGMIQDGGSNQMILSGKCKGYYILQK
KFCYYFSKYLS

>comp15899_c0_seq1; 784 86 1453 LEN=1469; translated
MKLLFTALTIVVPVATAFSPVSLSKVASTPSTTAVFAENGENG SF EKKKIIVLGGDGF CG
WPTSLYLS DQGH DVVIDNLSRRKIDLDLGCDSLTPISSPETRVQAWKEVTGKDIPFHNL
DVA KDYDLLVQLIKDEQ PDSIVHF AEQRAAPYSQKNSKTKRYTV DNNVGGSNLCCAVID
ADVDAHIVHLGTMGVYGYGTSGGEIPEGYIDVTLPGGRESNILHPAYPGSVYHATKCLDA
ILWQFYQKNDALRITDLHQGIVWGTNTPQTAKDDR LVNRFDYDGDYGTVLNRF LMQGAMG
VPLTVYGTGGQTRAFIHVTD TARCIELAINNPPEKGERVEILNQIAETRVRDIAEMVAG
MTGVEANFIPNPRQEAENELDVSNRKFRNLGLDPI TLDTGLFEEVTLIVDKYSRCDPK
KILPASFWNKKRAEECASLDPNSIKIKDDAKETVA

>comp15900_c0_seq1; 257 68 688 LEN=768; translated
MKKAESKTI STKMESSPLPKKSVRFLTNSLVYRTEHINDYTKGEIERSWYSQEEMSSIVS
DCMDTLTAVKNNDP SNSSGRCLRGLEYHLPEGQKRRANKFGAIDLVLDEQTIQWECEEE
DAHAIRTLTYLTVS VPCQAEANRIGLDDEREARFVYRES DKNNDNCLLELSATRPSLLALK
QASQHKSFK CISNELASQCSPVGRAA

>comp15901_c0_seq1; 208 216 548 LEN=634; translated
MHPPLDRPHRCQLEINGLRECHETKASKLRFWACNDAKASLDKCFREEKEEMLRKMNAD
LDEKKREEQEQAALAFGRKETFFREFLAKDPTYEREVERERQRQKSWFSMF

>comp15902_c0_seq1; 292 208 864 LEN=962; translated
MTVHSFHI FDRKGKTLFTKRYAKTPGGKKSEEDLLAEKEQLSEQRKLVFGMLFSLRELSS
SLSPAEGPGDLHMVKTGASTLYNYETVSGLRFLVLYTTPDTKIAAKGGSGGAAGTPQSSVH
GGSSGPILTAPTATGFANSATSSDPGGGGSGAGGGPSSSTNPAVTADVRSSLKHIYETIW
VTSVIRSPMYRPNSSESIRSTSFEADLDAYFKRMAWFP

>comp15903_c0_seq1; 281 1 1268 LEN=1563; translated
XNSVQFHPGSQQYPVRVAELHTDFGLQKSIRATIENPSIIHELIPLDTRS FVTKDHF KRV

KRNQSQDGKRKFAMHIKDNRITFASFLYNASRAQSSSSLSWVLPSCRHSRNQRCPAKQY
QQEQQRRIVVKGKTLPLHVNDLKAQQATGVGLFSPQQQRQKHRFRKKHTRLPRNYTSD
LVVVLDMDECLIHSQFLEGPYAKYAHQLQKQSSSLDGASSKGVETFNITLPGGERVLVH
ERPHLHEFLREVSSKYETHIFTAAMEVYAKPVLKMLDPHGDIFSGIHYRESCQLDSTVGA
YIKNLDLFCDSYDEHERQQRNLNRTVLVDNNPLSFLANPEHGILVSSFYDDSRDITLPAVL
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TS

>comp15904_c0_seq1; 184 178 984 LEN=984; translated
MKLAPTANIDGKRLDLSWEMFSNIPSLCWYHISNWNVHWPSVIYFIGVHYTALKGLFLIK
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TNHRIHHAYSETDADPHNSTRGFFYSHFGWLILKKHPDRVAALEKIDRTDLWEDPLVRIQ
HMCDFYAFYFVWFLPAQIAHYGWGEDYWNALYVAGALRYCCVLHFTFLVNSAAHLYGDR
PYDTKSVAGENPFVNAFTGGEGWHNWHHK

>comp15905_c0_seq1; 1163 56 2017 LEN=2060; translated
MAAVTGESVIGIDLGTYSVGVWQNDRVEI IANDQGNRTTPSYVAFTETERLIGDAAKSQ
AAMNADNTVFDKRLIGRKFDTAAVQADMKHWPFVVISGPGGTP I I KVEYKGESKTFKAE
EISSMVLTKMKDIAEAYLGEVKNVAVTVPAYFNDSQRQATKDAGSISGLNLVRIINEPT
AAAIAAYGLDKKDEKNVLIIFDLGGGTFDVSLLTIEEGIFEVKATAGDTHLGGEDFDNRMV
DYFLTDFKRRHKKMSKNQRSLRRLRTACERAKRTLSSTQAHEIDSLFDGIDFNATIT
RARFEDLNMDYFKKCEPCEKVLRLDAKISKAGVDEIVLVGGSTRIPKIQTMLTEFFNGKE
LCKSINPDEAVAFGATVQAAILSGSKSEKLSLELLLDVTPLSLGLTAGGVMTTLIKRN
TTVPAKKTQTFSTYADNQPGLIQVFEGERSMTKDNNILGKFNLDGIPPMRGPQIDVC
FDIDANGILNVSALSKSTGKENKITITNDKGRLSQEEIERMVSEAEKYKAEDDANKNRIE
AKNGLENYCYSLKGSLSGEVADKMDPADKTAVESKIEETISWLDSNPAAEKEEYEEKQKE
LEGVAMPILQKMGAAGGMPGMPDMGGMPGGAPGAPAAEDPAGGPTIEEID

>comp15906_c0_seq1; 194 1229 1381 LEN=1674; minus strand; translated
MAFATARSGITLFAAGRFEMKDDKRNKQLRELSEAMIGNEVLVELPRI

>comp15907_c0_seq1; 147 70 678 LEN=721; minus strand; translated
MFCRPTSILXQTPRRAIGQTGKRIESNQLVPPDSFPRSVLEPAAGTPPAALFGVEKPALV
GLLVGLALDPAECPGDRRLDTGCSCVVLEVTAVA EKVLVPQSESGSLSSSDHDDRDRD
GANDGDKDIGVDEEDSSHRDRIISIDTSPARGWSEESKEPLWRRGPKLLQGRHVNRKEA
DPSVARSSVGCIVAVLAWYGVV

>comp15908_c0_seq1; 436 208 1506 LEN=1806; translated
MSECSRADSESSDEYFVPIVDQSRGYSYGIQNDHFDHSFIPISPGEGGSERLSPISPPHQ
ATPANPQSPLSECESHQHQHQQYQQRYRTKQKRYQHHRHTSELATFPTDPNANTPFRSSL
VFTAHRKRKSTFSFAVTAFCVLFGLYSSARSSLHTTVKEVDELVVSEKVRQLRRADYE
IRLLERELTALDAMETEREDEEVEERVLSQSSAFANPELVDEMRIIEEKLKESQAQADKL
KTQVSI VSKQDAVAKYGSVIRVKMDLIFPEKSDSDGTVPTGPHTIIMEMASLDIMPHA
VFTFLEMVSAKLLDGCSEFILNALHVLKAAPLPYDGSSASSKAREFIDHGLESAFREYSH
DYPHDKYTVGFAADGSPSYINTEDNSQIHIGEPCEFAKIIISGFDTVQRLEGMPTRNGIWL
EHRIGVREVSIL

>comp15909_c0_seq1; 410 190 1032 LEN=1161; translated
MPSEFENKVIVITGAGGNFGRAGCLYFAKRGAKIVAMDNNPSTLEETASLIRAEASLAE
EILLATCDVTDASSVQAAVDSAVFRSRIDLWNNAGYQGQIKPTLDYDPKDFALVMNIN
VTGMFIVLQAVAKQIARQRDAEEGTRSYSIVNTASVAGLRGTPAMVAYASSKAAVLAMTV
STSKDLAPIGVRVNAVSPALIGPGFMWTRQNELHAGSGSPYFATDPDTVARNKVNGVPMK
RLGTIEEVLQSVAFLLSDQSSYTTGTNLVVDGGMSSGLKC

>comp15910_c0_seq1; 392 445 1317 LEN=1497; translated
MNTTRTIARHAGFRCALSSRGANAMANRVARGGANANAIAFRPISTVHRALVREGRPGPS
GTHRHHGGGSGVLARPNRGRSVGSPRFPAGTPCFSTAGGGDLGSAQPPPHETETKTE
TNTEPAGYDPFDITKSFSDTSYFPPPEETDPSALAARYEGMTNEELMDTSTIALEDENN
NNNDTGTTVAWGDGLMHSPPVRDKNAGLPRGSLVGTVVSTKMQKTVNAVDRYRLHPKYR
KRIRYTRKFMAHDEDEVASDGDTVLIVPSQRI SKKKHFVLRREIVRAKQQL

>comp15911_c0_seq1; 818 16 1629 LEN=1678; translated
MKFTVAATALFLASASAFAPRTGVVNVKVAAPSSSAINGFTSDIFEVTEVDFADTKETIVK
GGRDLFPLLPKAFEGIKQVGVIGWGSQAPAQAQNMMSLKEAGADTKVVIGLREGSSSFQ
EAKDVGFSEEEGTLGEMYDVIKNSDLVMLLISDAAQAKLYKEIFAAMKPGATLGLSHGFL
LGYLDSIGEFKPEDMDVIAVCPKGMGSPVRRLYEQKEVNGAGINSSFAVHQNVSQKATE
LALGWGVAVGSPFMFETSLRSEYCSDIYGERGILLGAVHGIVESLYRRYQRQGMTAEDAF
LNSSESITGNITKIIISTQGIIKAVYDGLSDEDKIFQTAYSASYPKAKEILQEIYDEVSSG

NEIRTVIMHGDRDLDRYPVVGKIDGTNTWTVGEEKVRADRDDENIPLNPFPTAGVYVATMMAQI
DVLLEEGHPYSEVVNESVIEAVDSLCPYMHYRGVAFMVDNCSFTAKTGSRKWAPRFDYIL
DQLAYTAVDNGVAVNEELISDFENHRVHQAVEECCCLRPPVDISLFAETSTKEIVIQ
>comp15912_c0_seq1; 366 197 1135 LEN=1293; translated
MMDTECTPSSFVIPEQDHNVEEIIANMLRQERTTYKREDYLTLLLPSKLNDDDETIDASWR
QRIVEWMYGVVDHCNLRRESVSVATYFLDLASCHDLVRSRKDFQLVAMTSLMLSIKLND
TMVKLDSMVRLLGRGLFNEADVIGMESKMLKAFTHVHPPPTPVCFMRQLLRLLPPESTPVA
RYIIVEVTRFVSEVSACLYKFVKYPASSMAFAAIIISMERIDEATLPLWQRHQFLYNVAS
TTGLESTSWDVLHAAEDLRISLDNNVNLQDLMQTIDAQCIRANQTIAAKESKDHAMEISG
PNSPREVSAGVF
>comp15913_c0_seq1; 89 1 177 LEN=750; translated
DDDDDDQGDDEENRFTKQSLGVGFDRAAQGVDPARRRDPVAPGRSRATGERRRDR
>comp15914_c0_seq1; 313 259 983 LEN=983; translated
MSSETKMRSSDRSNPNRSRFQAAAGTVGAAAVRENDRVAGQALSRWKGEKKEDPDTS
DKEKMNPDDEWSKLAYTSRMAAMAANKQRATANQKLF SRVVDTAHTWDVWTPPPSNSVSG
KVVPHFVNRHKHRRRCSIEIHRVTPVGLEEEKNGNENENENDDAQEPDSYEECVVRLLP
ATRELNRKVRNEALRHLMHKGPAPSSADTHVGSRRDLHASSVARGDGDVVDNYTNDDDDD
DX
>comp15915_c0_seq1; 268 131 523 LEN=667; translated
MSDDSKDPQEQFKELIKSGVSAANGLRLAQTTFLLNFKEPISSTLQSIENGAVASKNAK
TIYMKRKQYAPEIMGGTAVATGGYLWLRGRRIAGVFGAVIGAGAAYSIVYDEFPTFEVDL
PNVIFGKKDE
>comp15916_c0_seq1; 221 69 338 LEN=482; translated
MAACVSGFAPVSTPRQTVAVSMSKAPEPVEFEKQDKAAAVAAFATAMAPFAAHAEAVDEAT
VIGYGAGLVACVVSLAVGFAIGYGLVTKL
>comp15917_c0_seq1; 260 29 1174 LEN=1628; translated
MTNYSKYACLHASCLLLLLIASSTVTFAESFLQCKNSISSVDHPTPVRHRAGMHIGSAI
STRVQSSSTDKAVSIPPGGGDKSVSSPEERTKANEIMTYCAKITALSAVVDLLVDGSSLI
AGIASGDxdfSPDYALESELQLQRVEGFQIVQEKDQNGRLSLSIAGKIPGQDDWDLAAPR
RNGVALVPGVGGNRVEGFHSEQRPALNALYAFVGVISIKLSANETENLAIKRPEQDDEA
SPQRIVRLGRVAVRAMSLGVSFAVLD SIMTPAIALRKPRGEAIVLLDLTVSIPFAIVLW
KLRRSYIGFIEDVANTPIGGSSPTMKARVVKPETQIQLAIAQQNFWGRIKSFQQHQMFY
KTLALIAQYKVIKVPGVFAK
>comp15919_c0_seq1; 583 196 1098 LEN=1156; translated
MAEETTTEDIRTEIAAISIPEDDEDYTPPSKPVSSFSLTPSSTSKPQDEPLTLTEDDEGE
HAELEKEVRSKDENITGLEKLRMEKQEELEGLQKELDKERLLQMKESILHRIEVERLKRQ
TKAVEERLTVLEKDMQNKDAIREYAEIKSVAPKGGADSQYVMKLQSQLAKAVKRMDAT
SHQMTQLEHSCEEVNSLKHEIGDIVEDRCRTELDMKQLELLEEQKKEIQSEYDDRILL
NQQELERLKEKLTVEVTLDDLEQEMEETEELMKLNNTCEMQDRVIEELKNISSSAEEKD
>comp15920_c0_seq1; 734 380 2131 LEN=2331; translated
MPQKLYNESYHRSQGAETGGSSTMSVSSINMISPASMPSELNGAIGVDSNTVGGQTLQS
DCIFLEDLRDILMCLKAQEASYERRRIRHQARARNISSDLPPFHDSWRPVMI SWMYHVADT
FRLMP IVVATAVYILDTCAMD IWNDSRTKNPREIYPLMTMTALNMAVKCHETKMFPLDQL
VLLGPNGRNSKGRGYTPVQICSMERKILQRCGWKLHKPTTHDYLLRFVEVLAKDQRDVV
KGAAVMHLKRSLLWEHMAHQQQIVCRPFSDCTLAYGAFLLAMEDCGIPLVDKQSACLALL
HVANLSAQTPMLSEAYNWLLQAQSLQMHLQKGTTPKGPATSHTPANRP IVAVPDHVSAP
QPKPRAANLAVDLLSDNSDAMSCDTASSMSAMALAPQPTHGSSADLLEEFVVEEKEQP
RSMVTQDDDPFASETLAAAVEQKEDEDSSDDRSTSLMSQSSNGTYDEVIFCSYSSDGDA
FEVITTEYSVEDEDHDSVTRSDVIMSILPTVMEEDDYETEGISDNLVDEESDDDEDSDQE
EGQRLVLTESLDEGDGEVAIRGKNSDDHLSGMVTSPREVSVTI
>comp15921_c0_seq1; 78 344 805 LEN=1228; translated
MEFIPTFKNGLPHRCNTNEIKTIEHFLGDLLARETGMVEHSVEYLDRMYDADEHGRSHR
AVKHHHLSKVRGFDFTFDCPLQEDRIECPDNWCHVLCLETVRPGHKNLTDRAADLKEK
LHFYAKTLEGPYNVRLGHTAALDFHLLVSVSP
>comp15922_c0_seq1; 394 926 2095 LEN=2247; translated
MIRSFGLKKGILWRKLGWMAISFVCIALGIVWADTTFYLSRHNGKPMHGSTDDCYEPAAS
LSMFNSSFILTPFNALSYNKISNLKDHGLHPRWTHAVVNMVIMYGPLTLATYVLIITKT
LHSASATSNLSLRKPFGEVNATLMASGAVLIFGLGFLSIAPHQEPRFLLPLLIPLVLLG
EIPFRRYPTACVVVWVLFNTIILLTLFGILHQGGVTQSLLEIGSSQVWGHQKQPTSWIYM
TYMPPTFLTRLSHDVVHNSRTCNGYQENGVCNPI SFHVFGAERDDACQKAEVRIMDLKGS

SIDKLSDTLQSELSNTRRQDDSKFNSFLYLVGPKGQCELPNDTYKCSEVKSFSGPHLSTEDFPPLNGSVTEFYTMLLALSVYKISCAAMT
>comp15923_c0_seq1; 448 43 984 LEN=1265; translated
MRFSSFRISVFLFLQKQSLAFITPPCQHQPASSLFFVSASTTDEIDLSSNYGADMNQDDMM
ESDLLVIVDQNDNVVELSKDQSVSKAAHTFSNEQPRGILHRAFSLFCFNEEGKLLLTQR
AADKITFPGVWNTACSHPLMGMPSSSEVDIWPKAFPEMPGIKRAAARKAKHELGLDIQAD
IPDVQFVSRFHYWASDVETHGSETPWGEHEVDYILFLKSPVKEYTLNINPEEVADVKEYVT
ISELKDMIYNQPDLTWSPWFIGIMERGGFDWEDLENTLQGKNTNEDITFFDPLPNHFAT
YNTPEHTRESTGVW
>comp15924_c0_seq1; 316 77 958 LEN=1091; translated
MQNYTADPCSAVAPLVRAMECIPEGENEDGLHGSSASLFFSSIRNLNPAFGGTETDKQEAP
LKDLKQRLESFLSCGWLTQKEYQQHADFLATYHSDSSIGANGKFALRELEKELDSIEEKK
SAQPAPQSWSDMFMSTLGI STSKPGSSGPQARTSFSPLANATNRSANGATNPSPTIVSP
GDLSNVLSGEDVAELFVETCF FARLGFVQPPCCMSCTYREALRGLPNEQC DRWVWVRRD
AGKTFDP SNNADLGKNALVVQCRSARRLIAGKTVEGYRWDDKKRVLRRRTKGI
>comp15926_c0_seq1; 696 188 2452 LEN=2593; translated
MSIVNRERRKNAGKRMEILGKKMEEEDDAFWSHETWAEDDSGNE SFHESDEDSALRKDVF
DSDFNDESE DNEDEEVAAGEAEERELR KSERARRRPKTNIHAA YGNLSADVSARGKGRKG
GSGAFKRAIGEGFNAGIVLNLPP ESSDSLAYMESLSEKANGTLQVIQHKQPAPLEPETQT
TSTKVIPSTTTSTDLANLTRFTALPPASEVTVTKT TTTAQATTTTSSSQRKSSRRATRDPV
VRESHASSRERRSQRKLRSCGGSATEATRTMSTRKTAPPSGQKKPSSSGVTPRVLSAAK
QKRISQEELLLLEAVHDTEPENQRWLHGRKRVDQHDREKDSNAGLRERHRGRKIVQKFHS
RRGCLITLTFPEMDSVPEILTRRQQSLQQHQTQDVIQGAQPPSQPLQQQSKRCVITGRIG
RYLDPLTKHPYYDVTAFKELRRRHKAGLSIANGCVVESNVSNKRKIPSN SAQNELSTTKM
PATGQKSKPI PITVCSGGNTTNELAKRQQGAKGKSSSSSVNVNQLKLPFQSPKLPKSKT
VTMYRQKKNLNLHLVLPLEGN SGSASAAAKNSDKFLVCP SGRRLSPRKRK PSEKVLETMA
MLPRKGS GGNEAVTPNNF WIDPKKSQPAKLPKDRRQNSGNKKNETS NPKSSNSTALASA
LPKLV LKLLPSVQSM PSTINGSNQMALEEKSVVYRDPNISTAICPEKDVLIPLLAIVDV
DPSKAMTTKPTDDSLDGNIVVKSATDKTSSRDIG
>comp15927_c0_seq1; 419 562 1737 LEN=1950; translated
MRVVEDGGDEF AVLAVNVEGKFTDGN SNSETW DGRYLPTIEAFAGVERGEACDTGDLLTL
LTD FGAAYVDAEGKKKWRNIGQTQDGDYGSALVEMPLHDSSVWTPINADNFKVGTFEACV
RISRKHDTDYVFFD TFFSLKIDAKGLFQTFEQEILVEEFGNVQNYDKEETRKIGV DAYL
CGPSTSANPGRSYAIGQSFHVCVGPQAELEKGF AVVGFHDVTCAGTDVVTDGDFADQLT
SVARNPVDFIDGKENPEAVATDAGVAYFETVVTPEFYAGSEAGSFTCEGRVDLEQKSPEE
GVGVEIPTRRLTASF SRHSDDLRRHLQESGEAETD TDTGSSFGITVGLLPDGESADALF
GDLAGPAADTGGVPGTAMATAAGAAVLAALL
>comp15928_c0_seq1; 480 168 1418 LEN=1840; translated
MNICPPSERKDGIMVAGPQYSSKDRDRVDLLKSPPSNRMKVFGKSPPLTMPTKT V GKDAL
VEVSETKKKKRKRKRKWKPEGKPKRPLSAYNIFFAQERVLMLGKDIPTAEQEEQKKRV
HCKTHGKISFAAMARTIGAKWKALDSSEKAI FEDRARSEKARYHAEITLWKESQKSTASA
SGETDASDSGKTGPAGTSPMPIASTSPAKKSSSEPI SGT SRAVSEPAAVSPA EQLAAYMN
EESLLLRREVASANAIGTLLPSERTAPTLP PHRINDNGSNVMRMILEEENRIRCMSLLGL
QSNPLADFTLSDISDASREYLNHHQFPELDQAF LSRHDMNLQQLLANPMDAYSGLRSPLS
FNHEERSLRGNLQLPGTDGLSFREYHSRYLQVLEEYATILEIEERHKRMMGHLMNK
>comp15929_c0_seq1; 202 50 505 LEN=647; translated
MVFTLSVPSEYGFVVLGAGVGSVVCNFFLAGAVMKGRKDCDVPYPNLYATPGYHKKADEF
NRIQRSHQNFMETLDSYIAMTLLGGLKYPIACAVGTVFYVGSYFYQGYIDTSLDVATA
RYKKGGAIKWIGFLTSMISTISLAISMIKSK
>comp15930_c0_seq1; 350 131 952 LEN=1044; translated
MNYGMDFQGGDTGGGGF SNNGN NYGGGSQGSPTKQRRNYDEQTLIPITISMAFKARANQS
GGDDTLTLEDGRPLHSAKIIAAVRSADVQSTNIMYTI EDGTGALDVKQWLDNDAAEIVE
MKQQTAKEHTYVKVIGQIKDYDGKKQLVANSVLP LSSGNELTHHLLLEVIYSAEKFKQADS
IVAAPMTTGMAFGNNKPIQPKVEGGDAGFSVKDRVLQFLRQHDNDSEMSSIDL CIEQMK
DVSEADIRTAQDLSEEGQIYSTV NENYFKVAM
>comp15931_c0_seq1; 602 182 1394 LEN=1394; translated
MARHKSRAILATTAASMFWTIAMCLALLSVVDAGDACKAEARRALVPDPFAVKPAVW
DDEDDGPWEAPKVKMSDLP AWYRLLHEVRIGLAGAAPWL VVGVA AALLTTVMKPLVPSS
LLRSCLGSGSNSNSNAVLDSVRG SVFGLLVPFCSCGALPLALALSQEGVSPSSIAAFVTA
AQAGVDSLFFTYGVFGARVALFRLASAGMLAFLVGMTLAVSSSEGNKAGDKQPTSDSK

NQSKASSNDGGTCCNSNKASGGCGEEPNTNSEASSPVTGAASLAMFAHTAVELFASVSVW
VVLGVVVSASASVWAPASSFAPVPSDGGSPGLVQSVVVRTGLFLLTVPLTICEHGIVSLA
DALRGVGFVGTAVALVVTGPSTNAGTLLLLLRLNQNKRQQQQX
>comp15932_c0_seq1; 528 220 2269 LEN=2396; translated
MELLNANQSSISPEKDLRRSRNHNSTGTSNHDSKDPNLYKPKRRQRPSIMDRILKACLT
IESGKGSWRGGLGNAVYLRILKCNRIGTYGPSASRDNLQDALELLHPAIQLQKEAETP
SPHFSLLSNNFVGSCHLLVSVLMRLGKMEEAATAARCVTDKLEDLYEQTTGNAKNNTDCS
ILFGLAGGLQALWFLRRELGDSDFGSDLALTMSSYILLEGLQDNDNYGMPLLDWNLWPY
LGAGTGAVGVLYALLGHTDDEWANLGDCLPNAREIVRESIDGLACHLYETTGNLKDSSVGG
FEESDRSVGWTHGGAGYCLLLLKAFGVYGDKEYVHWAVEFADEVLPNRTTRCEGPGGLARG
APGIAYVFLAMARVDFHRSGLWKQRARDVAATVLAETRSVLVHPQNNNYSLFDGIGGLAS
LLIDLEDLETTKTTTPWCYFFPFESCQANLRCRKFYELTKREDHPRLFSFRIERKNSTCDD
NREAKRAFLQSKPPARKTSPAATLSTTETATTALTTSTVSTNPSRNPFRSGNASNDAFQLS
TPRSIHASDRAALDVSHLTMDDTSNIPVVEAAPRPFMAASPPGPSIPEEEDSLIRTR
KVSVDTPPARRTANAKPPPCWINDCAYDEAFMTDSVDGSSARKNPGSSILEQGNKSSNTNT
VAEARIMQHVAEAGADETSATWW
>comp15933_c0_seq1; 183 1 568 LEN=710; translated
XPTNEIRQLRRIPVGTAEQPCRVLRLPQATQHNRQHILHLDMSETFKQRSRRHSQETT
DSDAPDARMPREESDKTKRGRGYLLHVAVGLSLCLAVLVLTKEAAVSASSLIEKASNL
RGDGTGTDIQTLPYHTWPEGCNWKCYMENNPDLEKNMAAPDEHNIAHWWLLHGVTEKR
DCQCKNKTR
>comp15934_c0_seq1; 605 75 1658 LEN=2004; translated
MNIALSLRSVTLVSTVALATAFAPLGNLKPSSSSSSSHSSSLFAVDGEYDFDVAIIGCGVG
GHGAALHSRAQGLSTAVFAGGDVGGTVCVNRGCVPSKALLAASGRVREMQDAEHLKSLGIE
VGDVNYREGIAAHAKNLANRVKGNLENSLVALGCDVIEGRGMLTTNAQEVKDEATGKVY
KCKDILAPGSIPIFVPPGVTVDEKTVYTSDGALELGFVPEWVAIIGSGYIGLEFSDVYTA
LGSEVTFIEAMDKLMPTFDREIAKQAERLLIRDRPIDYRTGVFASEVTPGIPGKEPVTIK
MIDAKTKEHVETIEVDAAMVATGRVPNTANMGLEDRGIEITNRGFVNVNEKMQVLAGPDSE
EVIPNLYCIGDANGKMLLAHAASAHGISAIEINICDRPHEVDHNAIPAACFTHPPEISMVGP
TEEQAIELAEKEGWTLGKSQGSFRANSKALAEEGEGNGMAKVLFKKETGHVVAVHIIGLHA
ADLIQECANAVAAGTTVQELSMMVHTHPTLSEVMDEAFKGAVGMSH
>comp15935_c0_seq1; 343 68 619 LEN=955; translated
MGLTFSKLFEGLFGKEMRILMVGLDAAGKTTILYKLLKLGVEVTTIPTIGFNVETVEYKN
ISFTVWDVGGQDKIRPLWRHYQNTQGLIFVVDSDADRIDAARDELHRMLNEDELRAV
LLVFANKQDLPNAMSAAEMTDKLGHLGLRPSYRQWYIQACCATTGDGLYEGLDWLSATLV
KRK
>comp15936_c0_seq1; 506 493 1910 LEN=2369; translated
MTSNNHRGGEFLFGGAAXSDLPLAFLLVGFVTIGCCTAFHVNANPYCNKALSCLHVMSSSSP
PSPSPSSSSSEPSMSGYDRQEFEMQVGRAMDTRLDDYPEILVKDPDYSIYSSDMELIDPS
GFHVHGVKNYGNISIRLVHTLIGLFYCPDQSDVKFRMCFDKARQNIIRIHWANVVPKAI
GKETTLLHVDGISIYEFDRMTGNITQHRLERLVMNDNQVTTEQGVFAALRKAQAVVSNADGI
PSFSRHMESMTKIGGEKLQNSIESVKVPDNLQFRRSIIFNRRGSVLFQDNNDEGLQTR
SFVTASSRSSLTSMSSSAAGEAEGPDASMADELEKKNATRKKFGLKSLTMEEFLEIEQQ
IKEMDLQQQKAAAAAVEAMELERAKEQEKNRGGFVIGKLFGEVMKDTCESNYDCERPEVC
CDFGFKMCSSGMRIVDGMNRRQQLAEVPPVIRNPNPWPGDPRNKRGSW
>comp15937_c0_seq1; 446 104 889 LEN=1336; translated
MKLLFAALLTSSAVAWTPKNSDASTRREVIKTLMAGATVASPAISNAYNLDDLPAFD
LEPFIIDAPTMKIHHDKHHATYVANINKATEGKDEVPIIDLMLADALSAGPVRNSGGHYN
HAFFWGMTSPDKAKDTKVSQDLQKLIDSSFGSMDEMKAFFETQAAPGAVFGSGWVWCV
NQAGDKLEIVGTPNQDNLPMKGVTVSEVMFPILGLDVWEHAYLKYQNRNRPEYVSNWV
NWDKVENCAVVENHAGVSV
>comp15938_c0_seq1; 341 177 1061 LEN=1360; translated
MATASAFAPTSKIQVPALTTTESTTSLNQAIDYNPNLGGPMSDDPVDRTLMSMFPDIPM
RKMQGGGTVRTWDIPPEAERLSYIRTNRPLKALVELWVGPIIRRIHSVDIECEDGDQTP
FRAMLKFKPGTKTKLISTGSHEFPFIEFGAEPNAQRMEETWAATQKVFDTSPKTTVQGG
STEGGGSVRYFNIPDDVETTQMLVLSRDIGKRTVKAQIEVLQGPNSVRQLYTLHCGGST
QPYHCVIPTPGPWITRIIATNYMEFPFSAVVTPYELTGEVDQFGHGPAPLYMN
>comp15940_c0_seq1; 1344 54 2468 LEN=2543; translated
MRFDRIAIAKALALLAVSHAPTFRSSSSVSMVGAETPAANIAVPDGAESFTFEAEVSK
MLDIVVNSLYQNKDVFLRELISNASDALDKIRFLSLTNPDFLEGEKLVQVQIEYDGDANT

LTIRDGTGIGMTHDELVANLGTVARSGTTKFLQALKAEGSDGKESGAISQIGQFGVGFYSA
FLVADRIQVASKHYNSPTQYVWTSANGSSEFNIIYEDPRGTTTLTRGTEITLFLKEDCLEYA
DENKLSQLAKHYSEFVTHPI SLRVTVTMEVEVEDEDESAADDEKTDGDDLEVTEEEVEE
KPKKTKEVTTFDWEVLNNGPAIWTRSKEDITDEEYQAFFKVLTKDENKKAELWTHFSAEG
NINFKSILYLPMDSLQGMNGMIPHGDEFGISLYVKKVLI SDEYELLPRYLYFMKGVVDS
DLPLNVSRETLEQESKIIKIRKKVVRKALELLKSFQKESDDEVAAAAEEEGDDDNKTPTT
NKYNEWYKQFSVHLKVGAI EDEPNRSKILKLLRYESTTSDGGLVGLKYEVENMKEWQKDI
FFVAGDDIEKVKKSQFLEQFAEKGVVLYFVEPMDEYMADNIRSFDRHFKNIASDGIKL
EDDKEDKDLATRRQKQFYQEKFKPLTTWLKLYGRSVMKVTVSERSISAPAIVSSAEYGHS
ANMERLMRAQAYGSGQNGFATQSMKIFEINPRHPMITKLLSAPPEDADKDYEVSRKAD
VALFLQEMALLNGGFSIENPEGHSKRILKFLQSELGLESKLEADHADLPVEEDVPPPEVDG
EDVTL DIDEIVGEMKAEAAASDEL

>comp15941_c0_seq1; 539 121 1110 LEN=1233; translated
MISRISRQLLAKQNAETSSALIEQLGTSEAFSFLSLREQEAILKRDQEDSVKLDKGI EFA
KAKGVLDKNYVAQPYVVIDVLGKTPSLVADGII GSVKTD SNGESGDGSVIVLCLGSGTGK
GTTVKMLEEKLTSDGKQVVCWSNGNIFRSVTL LAVTWCEQQEGLGAFDKDRALTKENLE
TFMGM LTFGKYNGKYDTHIHGLGLDLYISEVQNTLTKSPKVS DNIP TVAEVTQGEVVSFA
AGAVDTMGKDGI VVLEGREQTVDFVRTPHRFTLVLSDES LIGKRRAAQRVMAAALEVTS
DESTDDEVGKALEACTEKFAIEAGYQPAN

>comp15942_c0_seq1; 261 186 1270 LEN=1371; translated
MRIGGNAVAFRTFRSAAGIRTGTADALASAAASRAPFCKTIDRAVAILSNPSPRRAWTQQ
SSTTTPTCTTSRSTRFRVGGSGIQHQHQLRGVDSVWAKRAAAAAAIAASGVACVCLGT
RERHGLPASNGHHRNRRTTPLVAIPAASDQESRTLDPPPEPGAPVRAYIATSTSPAAPRR
RDLTRVQLGGSSVVLVDHSSGEGTTSRPVAHDASVPLVLPED EATISPFLYCLMSQAKL
VRIREEDQERTHLPIGLPGFACAHCKXLQRR LAIPQPQALEPDL SHGPEDAAL EGAETT
LPPHTEVRAVPARGQAGAEATEKNGRRIH HVEGEAQQDLEGGT PPFQEI M V P NGAQGGIV
S

>comp15943_c0_seq1; 972 119 2182 LEN=2290; translated
MELEKECINTIRALSIDQVQAANS GHPGAPMGMAPIAYVLWKEIMKYSSSSPEWINRDRF
VLSNGHASALQYAMLHLTGYEDSKMEDLKGFRVLGSKTPGH PENFMTAGVEVSTGPLGQQ
ISNAVGLAMAETHLAATYNTDDHKIFDNYTYVLCGDGCMQEGISGEACSLAGHLGLGLKLI
VMYDDNNITIDGDTLSFSEDAKRYESYNWHVQKVG DVNNGVDDL RKAIAEAQKVTDKP
SII CVKTVIGEGSPKKAGTAGAHGAPLGVEEAAATKKVYGLPNPEETFQVSDAVKAVFAD
AAKKGEEALTAWQAVMDAYQAAHPEKAQEIQRRFAGELPEGVFDSL PKFVVGEDKELATR
KYSQECINAIYPNLPEFVGG SADLTPSNCTFPKGASDYQMASPEGRYIRFGVREHGMAAL
CNGLFAYGGLRPYCATFMVFGYCMG SVRLSALS KFGVIYIFTHDSINVGQDGP THQPIE
QFEQIR SMPNIHLWRPADSDEMAAA YKSGIQRKSTPTVIGCSRSP T T ALFGSSIDNAMKG
AYVAIEADGTPDLII VSTGGEVQFCVKA VADLVAQGI STSLVSMPCQDV FLEQSEDYQKS
VLPGNIPTLSVEAGATHGWHRF SHGQIGMDNIFGASGDGN AVYAHFGFTPENVA AKGKAL
VDYYKADGKTVPNL RDVP HFE PFAKPH

>comp15944_c0_seq1; 367 1 808 LEN=843; translated
XADGSHPLRREKGT TAGTNQSVSKSISNTMWQTF TFGFLLSAVVTNAFTTAPSSGAGGA
LSTKLRSSASFFD TTDASKREAQMI EQTKR LFD DDVKLGLADGGECLAENFQFCAAVVGP
IGKDAFLDALGGFKLEDSFDINQNRFGYAVSPVQPNRVYFLTSNTATQTKEFMGVAPEDS
PNSELILPPECHHADFD EATGKLT EYGFYTVDRQYGN TGG LGGAFGFFYGVGKALPFREA
KPFKKS AKYAFFTWLGNFMSRKKKSSNDK

>comp15945_c0_seq1; 727 163 1419 LEN=1613; translated
MPVPTTTLEQQFGALSTDDRP IAEKTAPAFVTPTKNPGSTRSNQDSVGSDDDDTCASESFP
AAPTPESLAGGSKSDSGASLVAKTDHKLMEER GELAPEPLLVENPHRFVIFPIKDN DLWE
MYKKA EASFWTAE EIDLGSDMADWVKLS DNERHFISHILAFFAASDGI V NENLAQNFMTE
LQSP EGRCFYGFQIAVENIHSE TYSLLIDTYIKDSEEKLRLLHAIDTVPCVRKKARWALQ
WCDSGMA SFAERCVAFCVVEGIFFSGSFCAIFWLK KRGLMPGLAFSNELISRDEGLH CDF
ACMLYNKLVNKLAPERIVEIVTNAVDIEKEFVSDALPVELIGMNSKLMQYIEFCADRLL
VALGAPKHYQTPNPF EWMEMISLQGKT NF FEKRVGEYAKSGVGGASEDNHCF SMDEDF

>comp15946_c0_seq1; 481 76 747 LEN=826; translated
MADVEEVEDIVADEEVEVEVEVEVEVEVEVEVAVGASEVKLFGK WAFDDIEIRD ISLEDYIAC
KGDHAVYLPHTAGRYQQKRFRKASCPIVERLVCCLM KKGRNSGKKLMAVRIVQHTLEI IH
LLTDQNP IQVVVD AI INSGPREDSTRVGGAGV VRRQAVDMSPFRRVNYALYLLATGAREA
SFRNLKTMSECLA EELINAARGSSNSYAIKKKDEIERVSKSNR

>comp15947_c0_seq1; 342 112 1266 LEN=1450; translated

MAASPIPAPRSKIQLPVPALDRNGDSTAAEKPSHDSGDCEIVEDSAIEIEPLNDAMRAGI
SSLGESSLSSFLSVLFEDDETNQREISIVPDNPKPEQHSVRELHHSFTEFSRESIKPKCR
WDYIARDNSDRYLMAHEREREKLRVSSSSFSGLKLPSTKRGLRTSNSFSLGRSNSTTSMFL
QMPQRKQSPTRSTNGRKKSIKEKIDHRFNSSLSGLELPLPSRTRGRSSGREPGRSGRAG
NDDPGTGNASWGNEDAMERRRRATNLFDKMMESEGDVSTGTTTTMSISMSSESDRELS
ESFNLSLGFSHNGMREQEQQQQSSMSMPRRRPSRRSRSPPAKPSRKSNAAPPKPSRYYSKSP
NIPTRRLESPPPDNLLANKASDLE

>comp15948_c0_seq1; 916 228 3083 LEN=3274; translated
MVRDAVDESSEPDLESMLRAGVDIDDDGVFDPTCLLQQPLDQDIDDLDELGINVEEDEDG
GGYLEQIHGGTEGVSSNDSPHVQQNTMRTTPISSYPSKDDRNNENFYDECLRNDNGHDCN
RNNTSSNSRNSPGFFNSPAHSPPVDDMIDGNQHQYDHRQVSMNEHPSSGGSERDHGHSPP
EYDHPSHYNNAGGNNEEHFNPPTERQSSNRHRPSGKRQKRHPQRIAEVQQRILQVQEKIR
EVQHENMDHDQMPQHYEMRGDHYRHDRQEHGYQHODHHNHRRRHHRRHHHQHHDHDDH
HDHSHHYNEHQRPQGYPENFTDNAYNSHGSTRDFPRDSDPYDSRDSYNRPPSNMRSGVD
SFRGDHPRHHQQGPHQPPLYPDNSMRPHSLKGRHSPDDMRANGNDNDFCSDHRTQEMNSM
RRGGPPHTMAHPENLPNYKNSDEDNFGGHGRSMRHQQQVVGMSQSLNGIPGHSNNNMV
NNSRMHQHTHPQNMRLRMSRSLNGSLSGRMQNQSMNGSNNGGITSRMGIQSMSDSLNGIA
GGKQGMNDHVKTNSQHDMMDRSNNGRLLPQQNMMDRSNDGNMTQHRSIHSMNSLNGIQNT
NDGNI SNQNGARNGNNILSNRRGIQSLSRSLNGLSSEQMMSQSVNGIPRSGGNGGFEGHH
QGHRQEHRSHTGGQMSRSLNGPQNI EQNYAGSFRQHQQGMNRMNQTSGPPSDMAHMN
GNQASRNDYGPHNLRGGQTALQGMSQSLNGAHNVNLDNFGHRQSLPNKMNESREKRDIE
NNNNNIMRGSTGMGMNPRDIGSPVLNNSVSPAPLLNQVSNLAKLPNRRGNSPMMQQLHG
APSTANEKVEVATEQGGNGTSKRGNPMALAEATMRSASSRKMIREFGLSLVKLQSNRGRQ
SKSFSSSNSKETVVKAKRKS GRESYTMLQSEAAFREHSRQTKMQDQTTLS

>comp15950_c0_seq1; 517 1 1777 LEN=2186; translated
EIQDQQTVDKANFISTSTMKKVILHTFTLLLLPRARGTLADTGSKTHLSPVQQNIRER
LQSI PPPNDGVSDPSAILTREAKHNIAEKLLFYSSRFVVSRTGQMTSTGCQNTGKDASVK
GQSDSDCDVDGFPVQIAVAIVEELGIPRNLDDDEYDTLVEKYARESAMSLHDRWIGYIEI
PDTNDGGENNGGGGGTGVLVFLSVRDRVVFVSTGGALRHILTNGRIDRI RNEMRPDLKR
AEYEKGLMHGIDAIAEVLEKGEEPSVFECVFDWISKNAIVLTWAFVFGWGALNRWKTRR
DQRDYAAAATRLSEIDRARA EALRGTYCPATSCPICLEDFRSEHIGSDGRPIQLLRCGHV
FDKTCYEEWVASGRGDVTKPCVCRADVGCVSSGCPADKIRTPLLTRNETAESQNEQTNGD
RNNSRSTTTTTSIGYDDDDSPVFDNANEANLVEDNVADEIHDAMDLYQRDRNFRLERL
AQLYPRYISTEHVTRWSSPSFSGSLARDPFFRNNDPAIVREAHRTSSGSNYKSSFGGDS
GGGGEYSFGGGTSGGGSGGASRNASTSNTERFDAQYLAMQEQQAGNIEFHV

>comp15951_c0_seq1; 715 101 1846 LEN=2969; translated
MNKKVVVSASKPMGWSRGTSFGSDVSRSTSSNTSASSVVPSPPSSELCALISFAYKLGSSV
HNNDNSNIIGNNSDVRREAKLLMSLSCSSPVQTDDEDGEGHNI VHQNCNSNYSKALTGRESI
SVAIDASSSSSSSLSTGRITPHTSITSMSSGGSRDFTFCFTCPSLSLDDAQRGTNNTVGS
STNPGSMLSRTLKVDDQDAMRLSSEAMARNVIESVQKAI EWRILSWVDSLKALVVKEME
LKHNTIGDDLQQLQELYYSSNEALLIVALGEIKGINVLEANTAFKVLNKVSVQVDETG
LAKRRRVGEEEDRTGLEEGEYVYDVVHILEMQCTLNISTPAGNVQVDLNVPGKINGTFLSG
EDDACEKDLTDVAIHLNTEMASMI EKCSRIAVRVSAEALLKGEQQDLPEVEEKAKAMAF
EESQSQNTTLIKKTVTTSIAIVSPPPATRS PKRKATEDRNVPLM VITPARNTNSSLTQGR
GSNTNPVGLQIPSNFPRSRDGGRRQSQVSQDFTSDFDYASPSTTKIDFAARLPPKLLILKQ
KKHSAAIITPLKTMapeyIQREKGNLPVLVEAACAIAIKKN

>comp15953_c0_seq1; 489 95 1153 LEN=1212; translated
MKFTSSTLAAVVALAFAATSTTTEAFAPTASSARTTRQWATIAEEAATDFDLGEYVMSKQ
PVLNAMLQETVKPNQPNTEL VSECM EYSLMAGGKRIRPVLCLAAEMFTSKEEAEAVLP
TAVAVEMIHTMSLMHDDLPSMDNDDLRRGKPTSHVVYGEDFAILAGDAMLSTSFQWIAEK
TPQDKVDASKILDVITRVGKCVGADGLVGGQVLDLLCEGRRGKRDVSVDDLAWIHTHKT
ALLKVSVACGALLAGATEKEVEACEIFA EKIGLAFQVADDILDVTGSTEDLGKTAAKDLV
ADKTTYVKKLLGLDGARAEAQRLTDEAKKELDIFGDRAIPLLLALADYIINRKN

>comp15954_c0_seq1; 216 100 978 LEN=990; translated
MIVTSTNNIERKIKTKKTS SKSRIMLPEDFTPGSKDILCGRGNVFSNHAGNQYFGNTIR
ASLREYMNASNRPEKIRVVDRILQNI RIYGARFAKIDNDTKRWYELNDVQAHQKIGHAIR
DTIRLIQKQGKKNIRPFSVSGVVSNETRRKQREQTRTNTKRTTNKKAVFFPLPSASNKI
DSHYRLRTASETRNDAMEDILRLSLD TVDFLDES LGTEIHRDLPASITPPQSPSITKIA
SVTSTLAPTKSYLLHNEYPEESFNFSASTFFGENTFEHYPRSTRITQYSEFI

>comp15955_c0_seq1; 209 172 516 LEN=537; translated

MAPPGSAHLNFTLGGGLCAIGGVVGYAKKKSTPSLAAGLAFGGLLVGSGVLI SRNEAFEGH
ALASGTTGAMVLATGRRFASTGRFVPAGMVAALGAVGFAYNVKKTLEWMPDKSG
>comp15956_c0_seq1; 180 137 616 LEN=709; translated
MPPFFPRPQNLNSAFQMASDQAKQRLPELTHNQVARLYRASLKLSSWCIDRDFNEEAT
KIRFQFDEERGCRPEKATRLLREGEKLNWYTHPDHYRNPIMPGGSKFMRNPPLPMDVCF
PDGNYPADAPTYEIDPDWSKSDPSTKGYSLIDYVKKNME
>comp15957_c0_seq1; 610 161 1855 LEN=2448; translated
MTRPRLSVGLRCWMFQFLAASAATAAPSDTTSGAETGTQWSLPPAPIINAKFLQDIQDAM
DASVIVQFPEFGSTDAFFMQPLGGNNSDDDDKEYELSNHHPGFDSIRLYTSEPDSIGIL
RKRREDGTCVCYTAFRGTTPSAKDWLQDFDVRIEPIIPEAATPDDDESIMCYARKGFTNF
LNRANWNKAKEGLARCLEPDNANQPHCESILTGHSKGAQAALVAVALHTEDGGTADTTR
NTVINFAQIPVLDRCGPYVDSVDFRFRVNTIYNYGHYNDNHAANALIDAFLPDYNGPFWN
RRNTLLFDMVPFVPEVYGDHYGYGFLGAAARSEDDAGHGTTTTVWDGLDKGAEGNPPLK
YYAWNEYTIFDSEEENDNETGNSIAVGNVTLPVDSRIVFGNNTDFRAHDVAPFMSNHSY
WNRISLAVQNAGANTITTEPNASHSAVVVTNGFAGESPCDPYFFEACASLECKLSASYS
SESANAKLFDWRFLDQTKPQPEPRELWECGEVPPPEPLGLPDGPAKSLASSSSPLPVP
RRLAFLAGAVACGSIFQQQLISFLL
>comp15958_c0_seq1; 701 126 2105 LEN=2278; translated
MKISTSCAFVAFLAASGTAPSTAFAPAI SRQVHKNFSETASILVKGS DVARATTSSLYSA
KEDVAEVRRSRPKYIPGEIPDPDYVRIFD TTRLR DGEQSPGATLTSQEKLEIARNLAKLGV
DII EAGFP IASPD DFAAVKQIADV VGNVEVFEDGYVPVVCGLSRAFPKDIERAWDAVKGAK
LPRIH TFIATSPIHMETKLNKTPDE VVEIAVNAVKFAKSLGCNDIEFSPEDAGRSDPEFL
YRILSEVIKEGATTLNIPD TTGW NMPW EFGDLISNLRKNVDGADKVV FSTHCQNDLGLAT
ANSLAGAKNGARQLECTINGIGERAGNASLEEIVMSLALKGETHFDG SQSGKLYTAINP
IHI TATSKMVSEYTGMI CQPHKAI VGVNAFQHESGIHQDGM IKNKSTYEIMTPESIGLMR
GDAQSGAGIVLGKHSGRNAVGT RLKELGYDLEMDKLN SVFDRFKQVAEKKKGGLEDEELE
ALVWDQSDTPNSLWKVSGLQVTTGMSGVPTATVKMIGPDMVERFVATTGTGPVDAVYKAI
DLIMGVSVDLETYALS AVNEGIDAMAVTRVTIAPKEGGPND SLSIHSQSGNLEARKFSGS
GSDTDIMTSSARAYVSALNKL LTNWARRSLQASKTDQDSGQITSESVAAGPMAVTESSA
>comp15959_c0_seq1; 310 154 1071 LEN=1462; translated
MGTNGTADLERRLSVLESRVGISHRNSSSSALASNIDCVSDRLLKIRGDLERKISSSSTG
AAPRSTNNTNTNSNTHISQNEQSWKQIQKMLRELDPGIALTHQQQPLLYKRQQV LASSDE
LFKDFAE L DLILKLLLTGTKIDGTEAQSS LGTAESNANNISSNRNRGGAGGSADASNATK
AGQASSALEKQKQQQDKKKEQELSSQQQRQTQRGEPSSIRLDQVTQAPILTOHMSTTAT
RPEDQKRMEDLRFKLLHDFHNRRTTALAQILRRNLECYHTVAVAVSEKIVLADEQISMLTAA
KAAA
>comp15960_c0_seq1; 259 80 589 LEN=977; translated
MINHRLMLIALILGFLT FESVHSFHTPRVPSNIRTKEISLQVTEEKNSVEETTEKYGLEV
GLAQAAKEGDGESAKSLKKYGIAYLATS IPLAIVSFTLCYVLVDNGVDVGSLLAKVGIE
DTGMADKAGTVAIAYAAHKAASPIRFPPTVLLTPVVAKIIGKEPEEAKE
>comp15961_c0_seq1; 438 63 731 LEN=862; translated
MAPLMKLFMLAITASAAVAFTPAVTSRTANVPSSTQLYEDFGLGLGESTYDNQPDLLKGE
QEYKQYANRINEDNMLNRKYNVVKRVRELDLLQATIDNGVLSKLEKNGLDLATVEKLLPL
AEEYGLLSLAANNQQLLVNLAAPLLVEGAPFLLPVVAGALEVGPAAFFGAAAVLAGLDAA
LIVNVEIPFIFGLSAGVLLGLILVPLSAVLAGAGVALGSLKK
>comp15962_c0_seq1; 406 226 876 LEN=1058; translated
MAPTKSTRSYGSSTQTFLFDKMFEEEGMLGKITVGSVQVALRSNDRASDTSIFGLLEDH
SNLDS DANEDLARMANDVCLDLMRKSDDWVAACSTSKWFSQNDAGKAESYYNELANNIAT
KFDKEYVPDEDEDEEGGPTLVVVS LVL EIQGDSTKFDGAGYSIAQTKEVLSSIGSDCLID
DGYCVNAVEALWTPSERNEVMSKNDMIIDFPELIDF
>comp15965_c0_seq1; 499 233 1348 LEN=1399; translated
MTKRTPVVTRDPRFLAGRKLVERGLADEAITVYGTLL EETTQQYGDASVETAPAYY EYGN
SLLRAAVKQQQEQQQDETT SREEQRSA AAAAAAEHRQQSSSNENTGKGGEAEKKPAAVDN
SDTNQFENDGSSEQNNQEDEGMSDGENDNLASEDL SLALEMMENSFSILEEYKEKAGKGA
AGDNDQYSNWVSEQLPRILLGLGDTLSTLNRHADAADAYSRALELRKACLQEFEDRKAHS
DHKQQSTIEHLKAHRMVCEANILIAEALLSCPPDKDVVTTETQSLIVKANERVS YARGYY
DQARDALQEAVVFMGDLPRQVDL GREKEDVCFLATLVMGVGESLATIDEQADEAAVVSST
EPVKKKAKRGL
>comp15966_c0_seq1; 52 1 1236 LEN=1288; translated
XFNAIALAQHTLQAGIKDRTSIYSAHNLLLETTRDPNXKRNEEPTGRYKFTALYWNFVPM

KGMQLFTHEMNHAGNKPFVIGMGVMSAIYMYAFLGQSAESRANSEYWSKYHLKK
>comp15975_c0_seq1; 385 172 918 LEN=918; translated
MPSVFMAESVEEASMDAIDKMEKSIESVLQNMNTIRTGRASPAILDRVKADYYGVESPIN
QMATISVPSAQQLTVEPFDFKSMLEIERALMESDVGLTPMNDGNVIRLNIPSLTEERRKE
MMKQCKAIGEEGKVAVRNIRRKAVDTIKKLEKDSEISEDESKSSQDEIQKMTDDKVKEID
GIVEKKEKEVMTXLINQSGSISNSNENDFLLTLLWDDSKFDEAVLFDARHSFDHKHNL
AKQIKNTMKX
>comp15977_c0_seq1; 454 23 1276 LEN=1473; translated
MSNAVPRNNVRNSNYDVVLIIFVAVVLVGKLEQLHTTIAQVPHTTSTIFVEGFAAGGFGE
GGFGSSPKANHGKANKKKKKRQSLIEITDTTATAKSKGKGNPSLETETPKLTKWGLP
VATLEDFPPLPASTKREPVDAKDYELYEIQECLKDHVDLGDLSRVFDNQGFAKIPNK
DGSTMRLRLLHRSPPVLTLDNFLTADCCQGVKNVSEKESSTHRVDSATFKGALSTRTSTS
WFCNYADVPLLAKAHYMLGIPLETIEEPQIVRYRGGEFFSWHYDEVPPSQILNGGQ RVA
TLLVYLTTVPVSWKGGGTTFRDLYESTSSSSSLVMQPQRGSALLFFPSLADGNPDDR TLHK
SEVLVSNQDIDDEDDHKWIVQMWSHQYDYQAALPIGNSNKAARDVMEKTGGELGYV
>comp15978_c0_seq1; 690 101 1234 LEN=1446; translated
MKIANQLFTLVAHQALSASAFAPANNNVLTSTTTALNYKINESEKFQQEELTKAADLRA
LRHVLKKGPSNSGASAASSAPPKPEMGGKFKDLAAAKKARTPKNLGAVRGAFQSLTNSK
SIKSIQGGKCLKTWNIMNNEIDRVSVMINNEGVPLSAQVEVWQGPESTPMRIQVASDDGC
TYPFSAVLETPNTHNSVAVKNMSPMEFAMGACVVADVEDARAGGGKQAGQGAVVRALADL
GEPFVHGSNGVESFQFEDTVESIQLHLQTDGRPLHARVELIQGPDDSKQVIDIMSDNGL
EQPFFAVIDSPTLSMGGGATVRVINTAPSTVFPLTAIVEPYLVTDYVPPSTPEIGVDKS
EDLFFLSTDDDDAGCTI
>comp15979_c0_seq1; 228 200 1114 LEN=1203; translated
MRSVNNERKLLCWSVLALSMLALFLAESMTHVNAHPMLIEVAEQGERCLRLNIPEDDDAH
MVFLSLPSESFENDDQTGSPDWTKNYSGIENHFLNQMODLTNRRTKNGSLLRKFPEKPPQ
DVQNSMNSFISSNESKSGCTVKLTNPKSTSSRSFNTHWFIPLVINHLRKA VRTEKKDRES
SPLEGYEACFQENENDYPVHFILDSVMVGEQPEYDDDDNASEDPTFQGHHTPLANLLEES
IKSAKVVITEMQYMERREARMRHTADNINSRVRFSSYISIAILFVVTFQLQVSYLKRYFKK
KKLL
>comp15980_c0_seq1; 120 1 158 LEN=399; translated
XGDKVKARYSFVYTNEEGEWKIVHHHSSQMPEEIVPKASLPEFADANGATLE
>comp15981_c0_seq1; 272 222 1544 LEN=1794; translated
MTAEQKGQPREDEGQSSKYEGEAWKIVSASVGSAITALAVTPLDVVKVRQQAAGLSPGNA
AAPVSAAPAPKTPAGTTSRSPSRSGASCARGCGTFVLNTGLGEYLTSRNRAGYFDPKTGA
LKQEKVAEVLKTTGGPFRIIRSIFAHEGLAGIYAGLAPTVMGIPNTVLYFYTYEELALR
FKERFPTNSPVSGAVPAISGASARFVASLSTAPLELLRTRQAARAGLDVSGTVSGREGRG
MISEFRMTIQDGVLSLFRGVRPTLMRDVPFSAIYWCVENMRNFWRTRHRDLSTSAVST
TEQTIEALINGSVSGVIAAAFTTPLDVLKTRSQIETPAAVSVGKAAAVENVCVAPRLFCH
HGGALAVHPESARLVSPAGSMAGTGTTQRLSTMNIAKSIVQAEGMGGLWRGNVARCMKVA
PACGIMIATYEAGKRILTVD
>comp15982_c0_seq1; 193 171 1217 LEN=1326; translated
MADDRKRTPVPPTATTTASSRVGRSSLTTLTSSKFEPVPIVLEISSTVLRVGFAGEKSR
PQHIIVLEGPIFDCDYCSGDEARSIERKNRKTTESEWYLVLSPLIAQVYDRMLCKPSTRR
VVCMSYNQRYTPLAFRKALCQHLWNRGVPALVEIDPLEVLPVIVQGWTRGLAVNITREEAY
CICHADGYVLPYTYQMVPPGGYKNWLQSEKRNEINEESMASLVSAVLSCLQKCPRDLRMS
VVSNNVFCGDGVLVLPDLPRKVMKKVRDILQCNDNDEERSLGKFPSEYGCVPPLDLANLR
SLASSVALTSCAPYRADWICWVGASLWAAVWNKYNDEETPIPWMFNSE
>comp15983_c0_seq1; 566 98 889 LEN=1223; translated
MKFSIVSTFFSFSALAVSSVSGQAF'TNKKQRGSSQELNEQAKKGGAAAGGDMADIMKAM
GLNPEMDGDLPELDEVKMMMAEMSPEDLAAQMQEAMEMFGDDMLANMMGHQDEILQSL
QSGAVTPEELAKFKADPEYFEQKMKESMDQMQLFADPEMMAQAAEGMKAAQQMYNNPDA
LNDMMGDLKELSDIEDIESVRQMFIGEAAADPMMQQLLGSFDTSELEDVLSDPKWRKTV
KEGLGMLGGGAGAGGNKIVGEL
>comp15984_c0_seq1; 444 1 1084 LEN=1796; translated
XDFIRMVRKSSLPTSSEQSNRTQPTTSSSLPGKRHSQTKQKSFKMMDDNVYATNHMDHMD
DHDHHDPEIDEDPLADPPEAELHEGGRRNSWRSRISEVQFPLVVVAAASVLLIAVWSW
EPELMAQGYVFSVPSLSLAIALLSLLLTVYREDLYAIYGQHLAHVLFVWNFTGACFLTFV
SPFTTTGNGYFAAWGCMATSAMAMGLTADAVRSRIKGLGSLMGLCASAIIVLIALDFDLG
TDVPAYLKGETLYAVVVCFTIILCIGLMYFQKRHEGSQADSTEVLARFFFLSLFALLWF

ALAFLVTFRGPVTTGNGYFASWCGAVCACSAAFNAKKEAATARAQFLHAYDATGLSATI
T

>comp15985_c0_seq1; 214 76 552 LEN=1065; translated
MPISFLLMVKQGGQTRLSSYYEWISMVERSALESEIIRKCLSRSELQCSFVEYRGYKV
VY RRYASLFFIVGSRLSKDGNPNPENELGLLEFIHNLVETMDKWAGSICELDIMYQLEQVHF
LLEDMMVNGHIVETNKMNVLRLPLDLMERESQKAESMYR

>comp15986_c0_seq1; 237 416 842 LEN=842; minus strand; translated
MYWKGGEYTGVSNIPLVPIPEEPSDDFGLDAVEPLYFYPLGDWEELGPFVFTALNFDVN
YDQDIFYFCHIHAGMSARIKLLDANGEMLNPEPTPEIPYEYDVIDAFDYECGTFNLT
DFA NPKDIDTCPDIFVCEGDGIEPQTX

>comp15987_c0_seq1; 474 185 1684 LEN=2463; translated
MFERQQRDIPPAFASQSFIKTAFLLLVGILLPWNAYISAKQYFVSRLCGLSQNGITYNN
VDQTIEMWFSIIYNGASVLSLAVVILIQYITDSNNLFFMTSKATKGISSVQSMIFKRTKNL
SISMMSSSTSLEGRIDTRHSTDCASWYVMVPLAVYLAVFAISTLMVFYTSIQPQIFLLL
TSLGLFICGVCTAIATTGVVGTAGLFPATLGINPFFNGQAMGLLVACANFTASILNGPL
HFVLQYCSKNIPFKATVHNTNELVDEPYNETNQEKTVCIAEYEVSLATAGYFSMGTFVLA
ACMLGYDYVDYRKRVRKNSFALVEDESAKSPDKVDKGDHNGERLELLVVDVSVPE
SYTS AFDHSVNGNLSDTDMITNKIPMSYQNHKLITSEVRRQDSNDTDFTEATENTQGV
LGSVWL PVRGVAVSLFFTYFCTLAVFPAWTSELISDFQCTSLSRLRNDLRFVPLSFVIF
NVGDLVGR FMSSAIKIEEIKNLSGKLVW

>comp15988_c0_seq1; 315 75 986 LEN=1087; translated
MVLDMRLNRFPPLLPYGLKCLAFHLVLYVTFRSLPLSRKGADATETLDDFPWKISPSMTA
HKIVAFSVMIHWTFLGFQHLREHDYSASSNLESEVSALVFVPAGFDIAQYAMGALLLWDI
PLGLCHESGRNDVVMHVHHLGMVVVTSVGLVGPSSVSSDGIVGTHVAPIFLGAIELSS
IPLQIVDLFHPKSPHWNKFANDGSSSTSSFSKFCATINETSRIFFAILFLVRLVGLYF
PYV VATIAAPDFYVEGSVPSMVLSSMSILFTLLQMYWANLVLGQVKKTFIGNETAGNKKY
TSR KKE

>comp15989_c0_seq1; 255 252 992 LEN=992; translated
MSNKEAVVLVDAGQSMGVGLFTDPGNDPPARAPRTRFDCAKEAGMAILSDLMVRSKTNE
ATVVVLHTERTNNFFFREDEGDGEEHSSSAHCPFPNITEFSGNGEVMGIRQPLPGLLR
RHGLKPGSIACGSGRGDFESGLVYAADALYRTEGKRYRRRIVLVTDAEHRIGSTEERPR
QLLVALEGLRAMDCSIQVVGMDFVKGADFGVRLEGPSEIEREPADDAAIIGDGS
GGEGTD DDEDEDD

>comp15990_c0_seq1; 251 67 537 LEN=601; translated
MAEEARGICVRDVPAPAFIEAYAEHLKNSDKFELPVWADTVKTGVFKELAPYGEDWY
YIR AASIARKVYL RPGVGVGM LQKWYGGTYRRGARTEHFRKANAGVIRSVLIQLQEMR
VVEPV EKGGRRITTVGQQDLDR IAGTVYRAGEDSDSDSDSDE

>comp15991_c0_seq1; 895 166 4074 LEN=5749; minus strand; translated
MEALVCEILVKGVDIDLHEISNGKERNRNLSTSSLLSLLSWLGFSASEVDVGHEGFFD
DGEHDCVMMEDAGPFDAEFYRSIENFLIEVWKPHDIPQHKFFGLGSNDGDFGLDGGTETT
PSLYRSILSVRVTFLRYWMDLNVGGGGTGRAMAVDADEEGNGDYERRSTLSFHLMKNC
SFDIKATSALDSSKLRFRFYPLIHALYQQIEQLPYLQSQIYAYSQSLSRVEGGNGLNRPG
VGVADPKSRLEQLQRGQVRKERLDQEFANHVLDLEFIVGEWYSLGSVDVRRQARAQLGSV
WSGFELRATSGGGSSSLSGSGMRSENTSSSGVAMTLRVLHRILLGTAVTKKTGQQQEEKQ
LRKSYEHLLFQHILPLHRPNMVLWRDQTCLELYHEPLVKCIAILLRKKPELTGKVI
EG LLAPDIWNKGAGNTPKLVLLHEIDTYIGCLPGTKTHDGVTSSELGDSL
PALLRTLGSMA SENSRLAQRALPFVKNKTFVRLIEKNMKTLEILLPFLFRKEPSWNP
TVRKMITYTVLTT LQELDPEL FVSI
GNRFFAKNDEHREQKRPLPGPPADSSSGPKANNNHAVRSAPRDVESSL
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VAPWA MKGPSGTSSNPPLGITGVAPWAMKGPREDAAKTTTMSGRKHPPMGKSVAPWA
AKNKLPMP VPRALRSETTGKTAASNNDAFGNGSLPKGDGANTEPAPCRVKAYMDMIK
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VLRVLSHPC IARMISSFRFREGVYFVLEYASGGDLHTLLKTN
GSLDHESTRFVIGEVT
SALASIEHIGLYFDLPGKAARSEIYGESRLGCVKAEVTD
DXNAN AIVPFASSRAVAENDRLHSPPPPLSIHQENIVIT
ESRHKLTDFGGCRPVTQA
AKMIRD SARNAFQLRDGGWKKTETKAKSFDMD
DENDDDETKTDFLQDYDPD
TDLRIEGTTIYLP PEVALGSFPTLAADSWALG
CVMYQCLTGRPIPEADDR IAKQRI
VAFDLGGARGESGNSG ESILFAEPHASST
EEPARDLIRQLLRRFPHERPRMTRVADH
FFFGE
SGVDVFALWRQPSPLPKAGDPRASSPP
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TREKGS

>comp15992_c0_seq1; 292 356 1179 LEN=1495; translated
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VKKEGIALRFASDKLKLKDKDVLAAIRSNARALLYASEELRGDVDVVKAAVSQDSLICY
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>comp15993_c0_seq1; 65 73 420 LEN=855; translated
MAEVRAAHLLIKHTGSRNPVSRRTGKEITLTPDQAMAELKEFERRIRAEGIVETFFPGYAG
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>comp15994_c0_seq1; 576 69 1847 LEN=2212; translated
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REVLTIQLQSEIGKLLNGKIGRTAGTKRSYKAGRIPIELEVANWISGESDLSFKLCNLH
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DILALQRLPVDDPAVKELDSRIFDYWREKPFRCRSRSPKFGTALDYIFKYIKMNGDIDQR
SRDVATLDKLVKADGYRGTNMIRNCFYCMKTWKEEHVRGGFWVTDTYKTGSVMVYLSIE
NPESFSTVYLVKGDTSIGEVLGCSGGVPRFCKTTILPLYDFWVFNQVYDVGRIYIGPNSK
NDEFTKQLQAHVQQAISRSVSWRGP SAEKGLWDFQNNVPAMPTIIVDENPYVVVDWHDG
INHAYHQENNARSSSTFSVKDMSLARQIAKMAVELGETRKNENEEVDHRYEFSLLAVRR
LGYSYENPNGLGSMFDCRVGVLYPFRFDVDHWNKAKVPTYALNDVLKILISMKKAAP
LPLVSSILADRAILEPLDQILVKTFAEEGIYAPIVAYEKKGIRVDTRWTRV
>comp15995_c0_seq1; 111 1 400 LEN=586; translated
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YHEHSRYHHSNM
>comp15996_c0_seq1; 600 331 1914 LEN=1984; translated
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SFPSSLAGCCFLAASLLASPFHEKLYRILNPGAKLMQKFMMIFLVPNLIVLPLCGGNYS
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KVFHPLVSCVTLVSWVWATILGWTTGGTLTSMQLQYRAGGPISLAASGAGDYLTFLVGPV
VSLGVSIIYERRVLIKQNIKEVLTATFVSCVGGFLFGTAAVVRIMGLASAE LRSLMLPRNIT
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TAAVDEKDAFPFAAISMALTAICGTLVSVPSVKALAIRIALGGLA
>comp15997_c0_seq1; 224 85 336 LEN=599; translated
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ENNGENEIFGIDVGKSGAGTTTTW
>comp15998_c0_seq1; 476 139 1143 LEN=1529; translated
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MRVNLKLPKEEVQKQNNRGNFTPDGQKLYVGNL PFESEYDQIKEHFSQFGDVQDLYIP
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>comp15999_c0_seq1; 909 357 2882 LEN=3119; translated
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LLYQRVVMKYGKSAKADPLISATPSDSNGPQQLKAPNSPSKGDPPGKSGLSTLDENSEIT
FSKFYDKQREKQELERIKRENSEKSAKHFMALNKFMADEDETDLDHQANGVPELVPSKD
SCQPSPASSNGKLDPFMSALS RFKEGQEDRAEEEEESPAMVATNDDDEDDDEQVQVNIHR
VAADA AEKPEDNDLLVIKRTSPSEDPPGKGGTECVPEDESIVSEQRDRSNEKSLPTLQKTA
PNGYTTIAKTETAIPPATPDIVPAVGQATLSPVTNQSTPKSGKFDVNDIEGDFDQRSII
SELTLANS AVTRQVLDVEVEMEMDDFIQSEMQAIRKMLDSEEDASTVDPSFNEDQSEASSL
VLADQSVKAMKAEAMAREMQKILDDFAKEDAMSV AEGSTSGANESVQSPEKQSN SAEPA
SVYPYKFEP AIPGEEWVYVHFDNYQKEFYVERRSNRTQWDYPQKVPSPQREERPVSADDF
LSDMHSVASSRRSLRRSSRRS IYRQKRRRRARRLMISFLALLCVLVSVFCWRIKHPGE
SITVALTTFAVGLRDM SIEDFVNLVIDQYEYSFTDRKAREEESRRLQEQKAKELAAARLA
AERAAKLAREDSQREKEEAERIANQKA AAKAAREREEAARVARELA AKRAKEEREERERLV
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Q

>comp16001_c0_seq1; 146 479 916 LEN=916; translated
MADRTRKLETAQKHVDAGKNLSWNKGFDTALTELKKSQIRESIWGMVHEETSLSYEEI
GRVLFQKLYEESLASRKLIRVSLYKGFSTETKNADHCVRLVVQAKGLYSGREINEA
IEAIYNSVNHEISGDTYRKAGRNAEA

>comp16002_c0_seq1; 446 141 1271 LEN=1399; translated
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FVDYVLDDEGNPVLMLNEMSMHTMNI EQNAISNQDGVSNLVTLFTQLASETAEQSQDVS
CSFTCKVEKIARDAEDMDAIRMRYSLTHVYADQVMDSPKFAFYRLIPEKIYYVGGFGVMA
KWVDVEDYKDATPDILSKEANQIVKKNLREFKDDLECMAIHLLEAEKLENVRVTNVDRLG
MDVRVTRQHETRRNKLMTDEYRIGFRIPVISVEDAKSEILKVFQEAWEKQGLDWGDAEE
PGSTVPIMKIAADSLE

>comp16003_c0_seq1; 543 310 1818 LEN=2248; translated
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DRGKPFKFTIGQGQVIKGWDEGFASMKVGEKAVLKIRYDYAYGETGSPPTIPAKADLFFD
VELLGFKEKPKERWQLSPQERIAEAEKMKAAAGTEFFKEKRFEEGAAQYEEESALFAVEEGI
SGNDIPEGERQLYVSCFGNAAMCYIKLKSWPDAIRTCQVLEIDSETTSNIKALYRRGLA
RMHLGLYKEAKADLMDAYKIDNSNKDVRKAIKQLKEASQKAKNKEKAAFSGMFGRVEGGF
YGDKKGPLIPNAKGDNPHVYFDIRHGEKNLQKVVMLYADITPKTAENFRSLCTGEGEGE
TLGKPLHFKGCGRFHRVIKDFMIQGGDFTSQDGTGGESIYGEKFAENFVIKHTKAGQLSM
ANAGPGTNGSQFFITSKDTPHLDGKHVVFGHVVEGMDIVRQVEDVSVGANDRPEVEVIE
DCGQMPADYKEPAKCKKSCCGA

>comp16004_c0_seq1; 205 1 806 LEN=851; translated
XTTTTTIKSTVQDKDNTRTSDQSKNHYIAMVFVYLSKPSASRQWPSMHTIVALGCLLVL
LSSLSSTASAEFVTLTDETFEHQTQASTGMTTGSWLVLVFGIPNCSNCELSKPVLAELGSD
EELYERGILTASVDCSEKGSVCFRFSATRLPVLVYLHKKRMYRYPLFRDQVDFNEFRTLPT
ASDLKYFMETGFVEAGAEAIPEPPSALEALMKPIMAIYENNPLAGYAIIFGMAGMMGFITL
VLVATLIKSAMGGGETAKPKRKSSKKNK

>comp16005_c0_seq1; 196 291 821 LEN=1030; translated
MSWFGNNKEMANAGYAQPTEDLPVATLVTDDAVATEYQQLNQHLNQASAPVEPVATATSS
GGGCCAAAASKPPATAPPSSNSCTNNYLDSDPTVSRFPMNMRECPNCHRASRTRVVTKPS
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>comp16006_c0_seq1; 311 1 951 LEN=1415; translated
HQGKYISSNSIVLERNKTKIMSIAATNTHRRPAVLALLAAASLSVSDAFCFPSTNTRIOM
KLAANSAPSLDAILWMDMGVLAETEKDAHRVAFNKVAFADRSLDTEWTVEGYGKLLLEVGGG
KERMTAHWNAVGWPSAFDDTEDDEEQRQARVKELHLAKTDVFNELIREGGVPLRPGVERL
IDEALDSGKQLAVCSTSNEKAVKNLVNTLLGPERAAKFSIFAGDCVSRKKPAPDIYNLAV
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DPVTLETVEGLLQQRQ

>comp16007_c0_seq1; 385 239 1183 LEN=1299; translated
MKLLSASAFILAFAGTTSGFQQPMPRPSLQQTATVQKSPVNEGVNSMVASSKRQQQTPPS
LSAASATPESNEDRVLDTAEIAKYAGSIAIQMLLFKGFFTGVDFLASSASFEIPFAANF
FLFYFFSLKSRVFNPMNSNRPRRDTEIDGGGEAGADSTPQRNMPPEWTPPGVVFPIMWIL
IIGPLRAASSALLVTNGGAGYASDAILALMLHLSIGDTWNTINNVERRYGTSMVGVACVW
MSAAFAAYSYGQVDPLAGKLLSLPLVWLTIASSLIVRTWQLNPSDNKEKESILPTKPAQ
EGSITKWAWFEGTD

>comp16008_c0_seq1; 207 159 1669 LEN=1669; translated
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VHPTDPAPRHAPDPSAPAFHRLSPVLSAGGDAEPPSGAESKDEADDRIDVSVDERLYRV
RLSRAPGIEWGTDLSFSFVYVRDMEPTGQASLSGLVSKGDQLCELI PVVNDEDAPRPEAI
SLLGASFDYVMTSFAGLEKTVSEIDL VFFRGTDELKALCNGEAAGTDGDDTITITVQON
KGSPEEKLLRLRAPRGANVRQFLVDNGINVYQSVTRWTNCKGKQLCGTICVNIADGLPNT
NWKSMDEASTLRSNPDSYRLSCVTFAGHDVTVETYPVNAASGPGEERRGXAQRTRNSVR
CGLLASGVATR NATAPGSLRAHKTQRPGGMGSSHRSLYRAPPGTNGNPHGVHQGASAL
ALVRRRCGIRPHTHETLLWPQSPWSLCEPLPFLAKNYIALRTRTTLGVFLCPRIPGEWD
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>comp16010_c0_seq1; 451 1 1523 LEN=2030; translated
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DGAADAGAPSKPNEKSNAATDKENENKSKAKKEEKAPT VVTADERFYAVDSSKLLKREE
KPWVGTSQQEQQARGAQOSTESGTASKRPLAKFFESVLSLSPSAVTKMMMHQCQSGVEKGI

AQGGNPIEVMGLMLGRPDPHKPTNLIVTDAFPLPIEGFETRIVVADDENVVNHMISLGECL
ERTRREKFMGWYHSHFPFDLILGEDSRSHCFLSQTDLSTQLQWQRAEDPHGNPFCVVVIDP
LRSMHLGTPQLKAFRAFPPPEYQSPTPNCEPDGSIVESEKLRRLERWGSWCWNRYEELGVEYY
MSAASRSILGDLTQNYLWMMKSFRENAEDGVASGAEGGAGGSQSAMVGLREIAKSASSV
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QTARTVHARVFAKLNSSSPGMSGEGDE

>comp16011_c0_seq1; 565 126 1673 LEN=2327; translated
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SEYDNDINIVYDEGISGSPSSSSKSALYSLSVTELRKLLTDRGIDFRDCFEKQDLVDRL
QTSPPSSGQSRGLSDHLNSSGSNHGLSDHERTLVHTFKRVSPAVANIKTSAVIPQRNSVF
GLNLGADAEVPLGSGSGLWDDKGHVVTNYHVISPPGTNNNDRLMKGKTMVKLANMAEA
LEAKIVGFPEKDIIVLRIVHKGNGKIKLPRPIDIGTNDLQVQSVLAIGNPFGLDDTL
TTGIVSALGRDVKIGGRPIHGCIQTDAAINPGNSGGPLLDGRGRLIGVNTMIYSPSGGN
IGIGFAIPVDTVRRVNVQIIQYGVVVRPTIGINVVDDRIVRYIENQLGRPLDGLVAQVI
PNPSPASVVGLEATSQSRFGSLVGLDLIVAVNGEVPVRQSEDLIAAIEEKRRERDVIDLTMVK
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>comp16012_c0_seq1; 333 449 1060 LEN=1467; translated
MSEKNNGPSFVDQLGDWWSDEGRDDVKTYFVSLGIALLLRFTIVEPRYIPSLSMYPTFE
VGDQLAVEKVKTRIKPLYRDEVVFNPPQSFRDIMVDKYQNAARAREALIKRIVAIEGD
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ENVIGRAV FVYVPPWRVGNEMGF

>comp16013_c0_seq1; 78 493 1460 LEN=1781; translated
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DQYLSYCDRKYSGMDFSSGWMLPRDFYESMREVVYDRCFRSCSERSGGPQRFCSMPEPSRG
YTSSLSQESRSYCSPIAEGSPAWSTRAMEVHEAEVLLAMNIKRSETGGTVCNRKNGNDMIS
TFYPRSSPVVNPQLSCAARIQAQNIIVMETLETGRFSPNLHNACPSSTFLSSSAPICEGF
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>comp16014_c0_seq1; 1504 301 4338 LEN=4338; translated
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PVSMMDMKKEENKVNESNKLKPGTGGAKDREQGKPHSKEGKEPEATSAGSRSKTEKAPTK
SSRRHGHHSRRERKRPEDESSDDSSYFATHLPSPKSGRSFSSISSNASHASAPAGS
SLFQINKQGS DASLFSDESEDDHDPKAKDRILQPMEGGVHLSPVVHPNRSVVDMLNLYP
QRITRMHSVSSLVSSASSDNREVDYDSGSGEGEESNRRRTYTGDSSINSSLPSVASTGP
ETMHQGMVDSAREGGYVQGSPPQSRQPAYMNPSPGLVVPVYFYSQQPMTNQMMAWATTPP
SDSEFEYSRSSSTNNASHAYWKSMASSHGSKSGIQSDKSLASLVYSEDDDISKKPVARKA
WSSGSATGKQASNPAGSRRSSGNPKGNLGGGSGGNTRETPSGRPGGNPGSGCQGATGD
AESKGISATDGGSTEKIIVPSTPTGRQFTTVYWQRWIMLFYMSVLNLLSDWTCYSVAPIS
LLTEEFAGNIDPERLVVFLGANAIPTACEPMLLARLGLRRTVLLGSLLLMIGSIIKSGG
LPPIMEPSLEKGAESSLYLGFIVGLSQPLYQCTPALLSASFPEEERTMATGVALNAN
QLGIGFAFVFGCLLVSKADDIPGYFGLLSQISTLCFIGHTLIQFDDAPPTPPSASARVMKG
NLNFKIPQFADRQLKRYFSSNLSNPKPKSHAPSPAASSFPPEEKEKYRRSSKSKSGRS
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QAPSPAPMSGNPTDSDADL GAPNREDANPESSPGLNAGANPPGQMPMPGPPYPGQMPMPYH
YGYPPGAYQYPPYMDPRMMEQMHQQAYMQQMYHQBHPMQQPPMPGPPGGAPPMPGYYPPP
PQMMMNPYSYQHHPPTLAEFDPQRNAYDIDAYGEYGAEPVTVVTNHHLDIDIRDDQVVR
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SLIMGKQTDNTRAYYSVTTGMLVLGAFGLAECGVSLDSNRGGDLRWSLLLVAVLVGLPQP
ISTELGVEVAYPLSENTVLVIQQLF SNLLSAIFIPFFKSLKDIGTSSIEDGEIVERPEYT
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>comp16015_c0_seq1; 1165 89 3262 LEN=3354; translated
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GELSVCKTFYDDAVPSAFLALGVYFAAIGFAVHYFLPGVSKPGGPRPHKIPRSPKWKDGR
TSIPEAQLKGWTFLLTAQKSHLATSEQFGSETLLTGEPAGRQTFWVNVQQTGTEESKSEKQGE
KASGGVGGFISLLSPTKNSKTNEGTDNDVDEALVQELALGGRPHPGFEPVNPNTNDQI
FRAQQIRNYLRDYEKTKLAKSGDSNEILSPPPDMSSSPTTIECCRKAVQFYNMLVCE
DGHWAADYGGPHFLPLGLIVTWYVMNRPSKLIDEKQAQMMAHYIRVHQQLDGGWGSHIES

PSTMFSGVLMYVALRLLGADKDDEACVKARSFMDEHGGALYTSSWSKFYLCLLGVMDWKG
HNSVPPPEMWWLPNWIPFHPGRMWCHARMVYLPNGYLYGSRFVYAKVDSPLIAELRTELY
PGKSYDSIPWIKTRHLIAVTDNYSP I PLVMRLQLQNALARYENWSLFDGFRNFFRARGLEF
SMEYMKAEDLQTNFIDIGPVNKLNLMSYHHSVTKPDGSGDAELLVEKHMARVRDYLWV
AEDGMKMQGYNGSQCWDTSFQAMWEAGLLDEFPELTKRVWGYFERTQILSTEVSQSSP
AYEFETCENRNKFYRHI SEGGWPFSTSAHGWPISDCTGEGLKATLCLLKSktiQDALNEK
GDNQDGVASISDERLYKAAHILLTYQNEGGWATYENNRGWGWYEQLNPSVFGDIMIDY
SYVECSMASLTALADFAEHFPDHRADDIRRSIDKGRSFLKSIQRDDGSWYGSWACFCYG
IWFGLIEGLVRCGEPTDSSCIVRACRYLLKQONPNGGWGEDFTSCYDKDYAKEGMKAYGDS
EGSGVVNTAWALMALSCAKCDDVEAIRRGVRYLMKRQLPSGDWPQEGISGVFNRSIGITY
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>comp16016_c0_seq1; 708 125 1519 LEN=1577; translated
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ARSEPEARMERNLQGEGRDRTKMMEYFGLCQAALQLPCVMEFMVDTSRDSVFEFEKAAE
PADGNSKNENGNADADAAMMFPQARLEYVQRLAKAIGWDPVVFVTAELRKIFVDQPSG
ADRDSYGGEVSAVFQTLVEQMTVALRAATMHVRSRQDTALLNDLKGKGNTRVVSQYSEF
DVDQHGNKIESSTNAAPGRTIDERGEESTDEEKKRRLRLASEAAILQQTILGELLAMDEA
EREDKLEAGDASRKFTEEMALPPGKERIDFXEEHSGHVPAPGDAQAVARDAAGERGE
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>comp16017_c0_seq1; 531 99 1322 LEN=1823; translated
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RHEKFLKGRPDLLSEIKKSNQIEPAEKQEVDAKLEVKDLKSQIATMSKNMEQLAALVGG
MIQEEQKHHHANGRYVQDSPAASKRKRVSVALPPSPVKSMTLPI SIPKTSTSNNSKFYS
EAHRMPIPTPAPIITNQRSYGSITDEDILETLRDLNDNDIYFDDELIAPDVPDPTMSLHP
SKPMQEEKVDKLEKLRHSLNLTLPKTLQOVFVQRLVNVIASPQAFQSQVEAVSALAQA
AEEAKSRLVNNDSCTGVDFNASNGNENKEVDLAAALESYLAKVGNQ

>comp16018_c0_seq1; 178 1 936 LEN=1086; translated
XITVLNTNNYYLEPTAIPQAEPSNSTVIFYQAAHADNDIGSVLEGRSIFNQARSNRSES
TQYTVHKTQQQLLGRSLSHITSQHERNATFPVVPGFGLLQSDEKQRTTRTQOTSLTETMAR
MIRSCRIPSVLRRICTDNVIQTALLVTTDGEELLGSTATTFVLSPDGTTRESIDSLGTLIAD
IAVDYGRLEGEYANLDPVPLAPVGPAPQAPGAPAGGSPAPPAGGVPSSVSSTPTPNHTGG
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LATEAITTSYR

>comp16019_c0_seq1; 119 77 1234 LEN=1465; translated
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KGRNCRDGGKGGKGGKCKDNKRLIPSASSGTIAGRFNIPVNPAPTVPVPGPPKPTVNTW
IGACAREDKAINTCSPDTHYICESCLFALSTTSTPTNAASGVNSCKRQYCERCSTEELL
SFFNCGWKVNNPQGATVTEDNFPSSSEIRTPPIEAAKVAESEDEDDIYTDKVNCPAVYPR
SGTECEMIGDFKFKESYELGPNVMCACSLQLVYSCTGTIVSNGFSAEKEDLTTVIEK
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GTVTCTCGSSGVWGCKGGSLSSTCTL

>comp16020_c0_seq1; 248 86 709 LEN=1150; translated
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PYVASNLEYVLMPLDDAMDHSQWCYENGLSCVGVWPREECLALGRQLQLRDI VCRVVPY
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>comp16021_c0_seq1; 497 92 1561 LEN=1561; translated
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REDLFERLSPLAGGGQPLSLPVFSGSDEVGKTIITIIYGYGLSGDAGQLTGNNGCRKADEDG
RFRRVQNVVTSTTGSTSASGGVVRVKMDRTNDGGLALEGMAQDGDSSGAATVTVGGVVYL
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SPTPDVVPNPVPSVPPNPSPIPSPTPGPIPNPNPNPNPDPIDPCPLTEKKQKKFRIRW
DNRKMRGTCKKLSKQSGEDIAEICKQRLGKHKHKNKTVANMCPVTCGKAGVGDSPDILT
SPTESPTASPTASPTASPTASPTAASATTTSNDDDDDDSNNGSRSINNSNNDNNGGTD
DDDDDDDDDD

>comp16022_c0_seq1; 301 1 930 LEN=1271; translated
ESQKVYVGGDLPSVGEDHLRALFSRFGTLHGVLQTDPTTRASKGYAFLSFRDPKVSHLA

IRTMAGKLLAGRPLKTGWANQNQQSAASIAAGCTIATSDRFPEDAPALAKEALSVLAQMT
GGGVVPAEAEQAVALPAADPSALSVAEQLDKAMGLSAGAGTTAGMVAQPAAGLSGMP
VAEARASLAADVVARQLAAATAARSSFIRGRAAPTRHLMVHNMYDKDQETEAGWEKDIEE
EFLGECSEKFGTIERVTVLHDQPGGKIRATFADVGSARNCAENLAGRWFDRQLTVDYLP
DGEEPEAQA

>comp16023_c0_seq1; 500 145 1395 LEN=1645; translated
MDQPSLKKEDVGTAPSAVAVTQTPAVVATPAPLPVATVAPAAQAAPVVVAAQPAATAVDA
NKRPAVVGNGSLAAPAPVAKKPNTATSATPNSTQLQQQIQQQLQQQLQQQLQAAAARGQ
QANITPEQIQQAQAMVQAAAQAQAVVAAAKTRGDGLVPMNQSQIHALSQIQAQAI VHAR
KSQGTPQQIQTQIQQLQAQALVHAHTQAQIAAGIYKGETPKDSNAATTASARTTITEVKS
TPTGVNPNVMSGQILTSVSVASLPAAMVNGTGDSRAVDHNNALSSVDDHLIPPAAPSS
SSPQFLAQLNGSLDKFWKEQLASVQELKQTEQDFKTHNDLPLARIKRIMKSDDEDVVMIS
AEAPVLFKACELFILDLSIRSWNYSQLHKRRTLQKEDIQKTDIFDFLVDVI

>comp16024_c0_seq1; 351 92 877 LEN=1061; translated
MARRYDSSTTTFSPEGRHLHQVEYAEAINNAGTCVGIKADGIVMASERRITSGLLAPSK
TSEKTYQLCSHVSCNVAGLTADANILIDQARLRAGRYAYQYQEPPIVPEQLVEHVCNYKQF
YTQRGGLRPFVAVFLFAGYDENYGFQLYQSDPSGNYSWKATVIGANNQAGKSLKTEYK
TGEEGKEEGSIPDVQEAQLKLVKLNKTMGTAAAAAAEKMELYTMAKGENGECVHHILS
KEEASKVIEAVDAESASAGES

>comp16025_c0_seq1; 401 225 1082 LEN=1587; translated
MSKATIPSFAPALFLTAIYYADAFGSSDPMALSTVAHSRLRDANHAPFAPHKHVSASRK
NTVLRMGFLDSVFSRFMDKREGDFVRLLEDMNEQFFGPGPALLLYSIPDAIEDDEVMDMLS
DGAPVATSKGISLARITATDLQANACDGEDSDGNSQLLDSLNEALDVTVVQRETVSSLA
STATIGKVSTNVEEPSWTGLQEKEGETPSKVTGSPVVLFSGFNSKEMMASYNILGEEIYK
ETASYGQPGVSLACATAVNAMEKPLRQVLTEISGDHAEAMKEEE

>comp16026_c0_seq1; 934 97 2049 LEN=2089; translated
MPTVALDKDQFFAHLGRTYTDDDEFDELCEFEFGVELDEITSEREEAEKSSAGKMSKELAA
FSDRVIYKIDVPANRYDLLCVEGLCRGLRIFLGDQEAPEYTIIVDPETPGATLTVKKSNTD
TIRPFVVAAILKIDITFTQERYDSFIDLQDQLHRNLRCRQRTLVAIGTHDLDSVEGPFVYDA
RPPADIDFVPLTPSDKGSFKGGDLNYYETEVS AKHLKPYVPIIKDSPLYPVIVDAQDRV
LSLPP IINGDHSKITLDTKNVFIECTATDLTKANIVLDTVLTMFSEYCAAPFTVVPVQVE
YHDDSGSVVDSYLT PKLSVRREQAKIDFCNSLIGVNL SAAEQTL CNKVQLGPANLLEND
TLLEVTVPPTRS DILHAVDIAEDIAIAYGYNNIVKRVPKTNTVGGAEPLNQVGDLLREEI
GRAGYTEVLTHGLCSIHDNFTALRCPVREDWAVSLSNPANIEYEVCRITLLPGLLTKTFQH
NKSASFANGFKLFEISDAVLVDRENVVTDITVIGARNVRKLAAYAGPTSGFEI IHGLVDR
VMTLIEVAPEASYVATSGKKSSATGGADEEMYRISREGWFYTIAPLDYDGDGDAHEAKMYFP
GRAAQILLTKPNCSEKIRVGTFGILHPLVLKNFDIQYPCSVVEINLEELM

>comp16027_c0_seq1; 580 136 1563 LEN=1841; translated
MALQDAVKDYLPDWP EWALDVLVMAALLT VITVITQYLYTSPEEKEETSTNDVTSHADL
KKKFDGFRKYYIIVYLVI MLADWMQGTHMYTLYLSYNVNVSALFITGFLSGAIFAPFLGS
FVDKFGKRSKICIVYCVLEVIINTLEHSHDFGILLFGRVLLGGISTNLLFSAFESWMTTEHR
KSGFPEEWMSKTYADQSIGNGTMAILAGIVAQVLEDNLGQIGPFQGAIALTVLALILVLP
WEENYGEESDNDHSLYHQFKLWGATLSDSRIWRIGLTQALSEGMYTFVFMWVPTLLS
MNPPGGLPTGCVFAAMMAITIGGMVYPPLOSIMSNFSPK GKAPELCATFVYLVASASTA
VPAFILSQGASDVAGALTIVISAFMVTEATVGLFMPVAGTLRSKYVPDALQGA IILNIFRL
PLNAV VAGTHATDHLDPNICFQLVSALFLGAALLQGTFLFGGSSTSTTSSKKN

>comp16028_c0_seq1; 249 218 778 LEN=1235; translated
MPPLLTQVARLSDGLPLVAIQTPAGPIVPTNSDQKEAKDLLRKITAGANKMSIESGDKTF
YYMTRESL CFLAMTESRYPKRMAFLYLDEVCDLILQELVREFGNNWRIEVDQTDPRYRFI
NYDPIIQRKQKEFQDERQQRSKLNDDLSEIQSIMKKNINDILDRGEKLDNVQNISAEMLN
KSNPFKW

>comp16029_c0_seq1; 390 196 875 LEN=875; translated
MTTHHRRHAQVNNPFANKSRRTVGYTDQRYANLHHRGRSGNLLKRPVFLSMVMVYYFL
LGGSPASEYD SHALLNSQAKKETAMTTTLLPKLPPTAHKSSEVHDASGNQYLQHQETDKN
SMATDAETSTDADSDLASFNQGGGDWDIDSNSSGAPQTTDGLDAGADMLAVLKGIGRG
SDSND SKNDDEAQTDFPDLDSSGAGLAEKHKPGIGYDGDGDGDG

>comp16030_c0_seq1; 402 80 571 LEN=707; translated
MGPPP SDDVKIVIMRTVGGEVAPASALAPKIGPLGLSPKKVGEDIMKGTGDWKG LNVTVK
LTVVNRQATVSMIPSSSLVMKALNEPYRDRKVKVKNV KHDGNLTL DQVIDIAKEMRERSC
ARKLAGTVKEILGTCNSIGCTVNGESPRDIQSGIDEGEIEIPE

>comp16031_c0_seq1; 480 323 2280 LEN=3315; translated
MYATAAPVPNGVASPIGGSSGDDQKASSPSSPSDVTTTPSDLKNNSTTEYSDVNMNNNQS
RRDLIGDCALVEI IHLHDCLRGALNALEKDLIDLKMLLCSTSAASDAQEAQR IQLQTH
HQSISKLESKATARFQVIWSVFRAHSAAEDEFIWPALRDKTQGAVNGSPCGSPCGSPRYQ
PNQEHHQHEI PPSYAVAASNARAVHDASDDDEVVEQEEYEEDHADEERMFTMMDHLLTRLH
KALVQLHQNTARDLSSQSAPHSQKNGIKKNLDSITNTTKEILSLAKTLNQHLMVHLEKE
EKNCLPLVVKHLSKSEIHDLVGQIMGKRSSDTIAQILTMAVQNLKEADRENMVSHMKQAM
VGTFFERWLSMTGWEGGNDIKDGVSGTNTGAEGVLGGTRRKRSASVADLSVTAESSPGGT
SDNDAGVIFSRNKRQAGNDSQKGPINSMAESLSQTINKCQPTGEITSQENLQKLIRA
VVTNPSLTPREKNTTIQGLRASVWKRNOQLTGKIARTDNQTKSHTSNTNSCKHLHFPSAY
YQRDATGRIVCVWKMDNTNFKNEIVNRIPEQFIPKFTAELAPTYHDGTTSGDVLGCHH
YPRACKLRHPITGSLFTCRLCADQDREASAPNEKEKPPLDRYAVTXDHVYEM
>comp16032_c0_seq1; 122 1 201 LEN=869; translated
QQQQQQQQFQLQQRQEQAQPQSPPLPFRPTDQNQESVGSLSVSYGLAGVGVAMGVTLV
RVLLGA
>comp16033_c0_seq1; 315 1 789 LEN=880; translated
TMSNSNRRTAAVTAQTFWDVASPLIAVTEKHPFLVSMVDGTLAEENFKYVYVQDALYLKDF
ADCLRRVADKAPSPADSRVLNFAKGAEECEMELHNSFFKQWNISSPGGTGEGAEDAQQ
MPNCLLYTSYMKRVVATESYAQGLAVLLPCFVWVMHVGHVMLKLRKDLANSVNRKPQYDA
WIDMYAGEDFEKEVKDFIAMVNAECQRIQEKGLDADEDTAEGSSAADAFKRMQHHSFGC
KLEHMFWDQASTMMQWPKISGM
>comp16035_c0_seq1; 481 259 1722 LEN=2363; translated
MSSDSKPYTPDPNFYDLVVIGGGSGGVRASRMAAGHGAKTLLIEGQMKHGPPNYS AIGG
TCVNVGCVPKKLMVFASRYPGSIAEAKGYGWDGAKPGTFSWDTFMEAKDAEISRLNNIYN
EFVLKRAQVEVECEGLGKLNKNDVIALPDGSSKTVSAKNVLIAVGGWPFKPDIPGIEHT
ITSNEIFYLKEQPKRMVIVGGGF IACEFAQIMHGLGTVTLMYRKDLFLRGFDMDRKHI
YEEMSRTTIDIKFNTNPTEIKKNDDGSFTVVTTEGGSVDCDQVMYATGRVVKSDNIGLET
VPELVTKGSFIPVDEYSQTNVPGIYAVGDITDRMALTPVALMEGHSLADTLFGGMDRVPD
HEFVASTVFTTPELGTVGYTEEQAVEKYKDIRVFKTRFRPMAHSFPKSEMYTMMKVIVDS
ATDRVVGCHIATDGAGEMIQGVAVKMGATKKDFDKTIGIHPTSAEELVTMRSPSYSYK
DGEKVEK
>comp16037_c0_seq1; 691 271 2508 LEN=2595; translated
MGAATIRDPIASCQALALVTLLETFRPRMALKPYLVQLKTVVADLEAEDQQLQLQQLKDI
HRVFFVASQASLEPPCEGCAEESVPGVPGKPSFGSNTSGAPRAHTSIKSPLSMNSPISVS
TKTELRNRHGLPEDRDASGGENATVAAAAAPAASPKSLPPLYSPARHPRNEVASPIKPC
ATSREMRSPFRSSSSFPSPQQPSDPYQPEQQRQPSPLASPKLQLSSSFQDRYHDKNRF
LDDATIVFPLQNSIKKFDAGFEPATDPAKEAFDTPEIVSRILEFDGSLAAFYKNDLLEG
YKSPMPRRRSQSRFQRRTTGNRQLAFVNKHFAVSLVIGAEGLAWKREARCEIEDRKRISR
QIVSGANPSPLAKVFVIRNDVIAEFYLLRKHVVAIEQGNLQGDHSNDIFGMALTEYV
NGGDRFGDSDSKRAFGAQSNESSRRSMGLPRGHAFRLFCSWEAKECDYTTLLAELAYNA
VVCALDVLGVISKRHNTLYSTAFGPSGSQSLGLLVAQTCAQPCCLEEVAQGI RTLM SH
QRLHREDLNACQLGSHGTSLVHVAAGDRELVEALLDVGYHPGVRCQDQWDSVGRGTNGNS
NVSGSHQAKDGSTDRWLWYPEDWARVRGHTDVARLLERRRRQLEPRQDLQSLSELDSVLSE
TSTRFTVASSYQPYDSDSSCSSTEYDSDSSDVFDSEIDQGDYSAYTSESSRFYSPGNY
PYTINDLYRSPRRKRLRIQTTAISR
>comp16039_c0_seq1; 213 135 935 LEN=1036; translated
MKTHLDHEPLKSLNSYDSNETHLPSLASVSSYSSPSSPSSSTSSSSPLSSSGTKNGL
VISPDKSDYNHFLANKVVALDCEMVGVGPRGKISVLARVSVDYYGKSLYDRFVHVEERV
TDYRTHVSGVTESDLKNGVDFGIVRKNVKQILKNKLI VGHGLENLDRALKIEQDHSWYNI
RDSATQYQPYMRLDFHGQWRPYRLRDLTWYHLGIVIQEGGKPHDSLEDARAAMALYRNAQ
QSWDYEIECRRRNALATFASSKRGRY
>comp16040_c0_seq1; 492 168 1076 LEN=1706; translated
MNIHAVNPNSVFTATERSFIMMREDNEMEDDESCYESTERDESDDCQCDYKREQYGGSTAN
SSKSTLIEECRDCSCYGNDDDLMDTNAVAKQYSFTEAEQGLMNI AVGLVEKALDMEDW
DDESDCDNDDDDDEDMVAPPKSGDNDRNFSRRSTHRRKQELSLNERKEALFKAAIRIQES
IGRSNRNDDNDNFPSYGHPCVTDTYHSYGWFLYEQGRLEEMVYLSWALKICHQWFGVGH
TATEILLNDVRFVLVDKQQKRLQQQQHAPKGNQDPTMPATIFLSEGHHC GGDMVDDTWE
NEW
>comp16041_c0_seq1; 342 134 505 LEN=780; translated
MMFGKSTLVLAALVAGARS DWSATNWQANVDKAMD MASAYQSINWEDGNWQGNSQKAQEI

AMSWKANNETDDELLEVSDEILELLKNTTDEEEEDETVPSSAPAFGTVA AVSTALLATTL
ASL
>comp16043_c0_seq1; 378 95 1073 LEN=1217; translated
MRTSFMLDAAA VFI AVQ TMSMGV HARVEMADVD SENYVAKEVSPD VASGGIRKLHDQGV
LRFESENDSKNQND RSLQSYDDDTVISEEIVTVEYYQDNRFSSAEPIYANIMNPQRGASG
NKWLYANVPLQPIFGINDLP IQGLAQGF CENTFQDQTFCHFTYEFFDLQDGAITVFASI
TAEGSTVPQGVSELNVLGGTGEFNGAAGTVKLVPGVIDESIIPARIFKDGSLFLGNVVG
EMRMDLSVRYLLNAPPEIPVPQTVAI PAVPATPAQAQAAPASGIDTRVTCPGQIESDIVT
VIWTAKPRLHDANALKLKLAVKEDE
>comp16044_c0_seq1; 175 1 579 LEN=1080; translated
TAFDNRRKQTITRIKISQAKMTRLLSAIGKAASFTAKGAAVTFGSTVFSCAAACSIEKGA
NRMIFKYCPEKFANVEAASGITQEELDFVHFHYRGGIVAAASRD TGEPSPMETETNEPTEL
FLFRSDDSLDDSCAEKSTEDFSPNGQVKSEDQREESAIEKFWAEGEDTAAKYISMIPVIL
PRQEILACSMTS
>comp16045_c0_seq1; 183 1 903 LEN=962; translated
SSSSSNNNPGDGARSFVMPSPFP GWLPPFAPMLTPSYIDRSAYFQLLCTDYVREALEERL
AETGQTIELSFSDSCRASIQHTAF AIFAEQLHHAAS IARQTPVLSSLQRLYKQVGGFS
LMYIELLTD DNVQQIFLWMQEKSVFGMGALLLNDSPGVDFTHVDLARNLILSSGMNEPLE
AQVRFYNTFWIDTLEKRFGLTVRSILDRLVRPVL MGKATRHIGDMEQQLKYKEATPAH
MRHSFADNKPMVYARFHS HVQQRAIEMEDGDPNAITLEVAKSII EEMVTIGNSMENIKS
>comp16047_c0_seq1; 160 1 1018 LEN=1252; translated
XQHFFLSVKETA VHNEATGKTASTMGTKSDSPKLT PAERLARKRAAARLRQQR CRARKRQ
AMLEKKRGETDRQGSATNNINTQHSPRSPVVMQCVRRRPQPRFP TYKPV RSTESSVEAWT
GVRAEIPHRPQIHRFPSEPIYHCVSFD SQKSLEEAQH NKSLATSTPPESP LEKTKIVVTP
SRTPPPLNALVQVLS DQKREDKPLVSEEEA VAAMLSL KSGARSPTEKPADENKKRPISP
PREVTISHESKKSTHAGINGN NSEEQSHGPRARLPLPRRLTTGHFEAYHYGPPMKIPPLP
PHIIHGPPGYRVPVPPPHAHYRRGYPPAPRYVSYEYK
>comp16048_c0_seq1; 504 23 1195 LEN=1366; translated
MTASTSKQTKTTSAMSPTS NITLPTVLLIATLSVAAAFQHSGAIQS AKLNTL FVHDSQQ
AARPYSRNERTRIYTSRVQSLSSPTSLSRVRRKQ QPSSTLTQLHFSDDSSSNAPLEPSWW
RKLFTASQYSASRSSTVTGTSSSTVGEDDEQDNVDAYLEFLDRRYRRLH CDDKKEVKAI SN
PKQDSSELKTAKPFSAMDWLMK GSGSNSSDDLTTTREQQEDALYVLGVAGLASQKLLQKH
HLPTTMNQHTKGVSTSTIDKVV ELKEQIDDAIEVNEVSINTSLKSEVNTLV LNNILLPIV
RSLYLIQRQKDLFFRMIQEGVKAIATKATNGILSTFSQGP KSILD TLLSIGGGKRNFLRT
IAVGYATIIVFRPLMHAIFA EGLAFDPLIQ
>comp16049_c0_seq1; 629 108 2498 LEN=2786; translated
MAASVPRQDLATGWDGDPQSSMETNPTSATSGL ELGIGGLNLISSNINSGANIKSRSPV
NSGDSVHSTHSTGTANSNQG ESFTSGGSNMSRPPGMSSLP LLVPPIGKSGH SKSSSNSST
AHTATLPTSSIDGGASNDLYVGP GGARSQNSPSSSGDHLPGITNLGSFDTDDGAHDGLM
GLQALRERAQSSPGPPREFSANARGFVPGRPRLPSKDSGRSISVGSTRPPLAGGSAIAP
HTVEGMGFQSTGNRSRGASPPPNAGVISRPDSQFLGYGNGGNPSDNSFDSMTLRRALSND
TFGADYNNYGGPRQGN DHLNNSFSQVSLNNQIRGGPSGHVPGLYQSQSQRSLTGGPEYYH
EANYEAGFI PHRANANVDADYAMQQQH HQDMNYHSYGPGGHQFQQPRGPHRRSLSLQHNS
YSDNDLAGQGSQGVYGMHRRRGS LPHDGMQRRGA EFDRDFDQRERLGNTSYHRHDNRMV
SPAHSMPQSSYGSNHNRYPSDISSASSSSPSLGLGSSAPLYGRHRLAHSDEDI SHPLAGE
NIEVPGEDQYYNDGMTYQRSASMGHAPS YNTDSRHLP TAGASMQAPKNVYNVKFKRTQRT
FEIGPRLNRHLEVGT YVKVEADRGEDLGIVIGKAKNPLARSSSFGAGMGDIPTAGAGGGG
DLKKI IRLATHDEVQLLGMKRKEEEELLEVC RHKVIQRGMPMVVDAEYQFDRHKLTFFF
EANTRIDFRELVRDLFSIYKTR IWMQQLDKSTSATCPTAPAPAPLVMDYGTPIIAPVSEY
EGYAQTPAVGSDDGKE
>comp16050_c0_seq1; 398 157 1437 LEN=1657; translated
MDLGYMMCSTLRCDTGLDIEDSLVSESRNGSSQH PAPVEQSCSEFTSFSEQQQHSSSGSL
DASSNSNSVLQWSTRQKLQSGHTSPSS LALQRRPQEPPVFLKQQT LSTDVSSSSGDNSSG
VCSSFS SHNRNKDNMGFASKKSSRSGVSELENEMLVETKKGHSEKRTSPSPHAKFQELCI
NPPPLRSKGWSEPSARNYQVRSNNYLATR I KESSEEA FRLITVDLVNTKTPIYTCMCSH
PGERVQMALERERQTGMRELPEFIFAVNLCIPAQTIYH AVFYYGIDKATLDEIKNETAF
GRIMNKFI FGSDSYRNDTFKLIPSIIEGNYVVRKGVGTKPAILGKKIKQYYVRDDRYFE
IIVDIASDAVAKRVTKLCLGYIKTIVVDMMFVLEGN EESTLPERIFGGVTIKNLDFKMMD
GKRTVN
>comp16052_c0_seq1; 1003 104 1948 LEN=2067; translated

MRIQTASLLLFLSSYEQNDGVADAFSMVPRPTGKANAPSFVSTPEPVTESSTVLFGKRRQ
TKRKKKQTOGRSQQFYEAIEDAKGNSSAPEESSSTATATATPPRSPEQQKAMDEAQAARFE
QRPEVTTMVVDEESGTEFIAQGGQKVM DVVTRKAVKLSNAGADARLAQMFPVPPQVREQH
RIDWKTAE IPEVLDKLLAACSTDLGDGKTGIPHPSLTNEGIDFVLANRDR LGYKMSKTI
PRWTFNAASQGRMAEAEKEVWNKLHVNFLT IENYVSGPFRQIMQDAEGRVGP NFGNLELAS
FCSGDLYERVANYLV LKGMVAHW EKKVVDADFL ENSD EDEIKMYRGDPKRYLKKDSQDAP
ILYTLKECTQVCAMAQQMCKLFVEDEKLF GDFPDEIVFLEDALTIRGGTALRKYMID EFC
PSRGITPEGLREGVKRLGQQLDNMQIDPYADITMKIEQLYAAMAVGSDDATDPYAKYLG F
QASEDPNNPAYFETYTFNHAKKSLVRFMDDTYP SVGGIAEMIGPPP AKGENENE EKKNP F
EGLTNGLNNIMGQIKGERTLRV EPSYDDDATPYVVPKERSIGRKH DQGWFEE LNADDGNP
KDRFGKMEPGRIID

>comp16053_c0_seq1; 255 300 1115 LEN=1558; translated
MISGPTATASIPKSTSPSPSLKLFNPSMVSGSGASLVSTSNDET PGSYS CCSAVSSMKEI
LKSVYRCD SAAVVDGDASCGSTANQALYQGV E VILRKTT CNYGN DLKTSVASRPF FEYRC
FCDDDDFLPEDVYSSPQVQQEAESRANKVFGHVRS GSTGTLS SGE SRNEQN PTEASSEND
QG ESDERNAAEETVRTEADAPSTPRPLRTHTRDFY SKIHSPTKR SITR LYDIVPAS PSSF
SRSPKSV PVDGVPSSIETSASEPVG VVVSAP

>comp16054_c0_seq1; 87 179 763 LEN=848; translated
MAGRLSPTAEPPRRRKRTRDAQPGGKPARAAPDSIEAALDHAE AALAESGRRLGELHRSWR
NQLLRMGLVVLVLLARKLGLASLAPGAPLRVSAAGSATELLSVLCGLCLVRLSWAPAGKAG
PALWGALS LAPAIAATYHRGGGGSAPRSFPVVLIFEAVVLGSLFWMGHQDRQQEDGLRRI
EKLRENLRASKQKQ

>comp16055_c0_seq1; 146 564 1346 LEN=1604; minus strand; translated
MATSISMDEPINTSLSSAEQDTRDACTDDEEQGDGNXDVVGMAL EAE LVRQARPQLRDLG
RLLPLPGEARSHRREGIRIAQQKREAAALSLSSAAPRAHTDSHPARVGSQE EPGRSVWVQ
DDEF RHK DAPVADVSGFPQVPSLAVHGSEVGRMVRAAAA IGGAGIVFFVDGNVSLWSSS
ARKELEGVSWMKQNC LSSIPRDEGGRPAWCTNLVFRVPGQPQQQRWKKVASSWIQPPTLG
SSKGF IAPA EKDEPDASGSS

>comp16056_c0_seq1; 239 75 730 LEN=730; translated
MVRRGVVSFQDTADETDGDVRNDNQSSPSEGNNATNRSLSASLPRREPSTSATALSHLQE
RWP GKTGNRHL EVRPMSFDAILSGGSRI VVPMFQRRYCWTRS QIERW WKDVSE RRSEEH
RTGKTMFKKVQNTAENETMLLCIDGQQLRTTTTIFLMALRAEARKHGKASASASSSALVR
AIDAALFVNAEAVQGVKRWAKYHAFHLVRNNSSSSSSNX

>comp16057_c0_seq1; 526 101 1984 LEN=2058; translated
MNNLTITILRTIVALSVCTSV AQSKPRIVGGTQSELG SFYPYFVEMGGCGGALIGPDVVL F
AAHCGSLENQEINIGAYERRTATKLNASQSRFCEEYKAHPNYGTGGSSINND FALCKLD
RPVNIDTSFVQLELDEGDVSLQSGDSLIVMGLGALNEGVSGPQFLHDVTVPFVSNDDCNA
ESSYKGGVTDQMLCAGFPEGQKDACQGD SGGPLVKRIVQSNGTFKDYHVG VVSWG HGCAQ
ANKPGVYARTSSGIDFIKNTACNDFKSTANFCHNSKSLSPHCDVELKVR LQTDVYGFET
SWTITNDRRQEVKARKYLLKFH AHQHSVCLEKGTCTYTFEISDDYGDGMCTTDNGCGAYEL
SVNGQTIHEGDGKFEKKETKDFCIDRNGNAVETGDPTPAPVTPVTPVTPVLEPSPNGNCG
GKR NKQFQVQLKIDDFGGETGWILSKINPNEFDPE T FHTGI FVAESDPAGFEAFD IVTFP
RDDSFYCLEQNACYLFEVYDEF GDGLVGGASKGFYKGF LGGLV FQGADFEY YEWKTFCT
GNAEISSITDDAPTSPPTNHGDDCVD RKGKIKVGGKKRKC SWATNGSKKKRVKCKE KIVE
GGKKFHDLCPKTCGKKAGIGKCKHLQR

>comp16058_c0_seq1; 249 85 1122 LEN=1214; translated
MPGNNDLDSMPEDNDLKATIPLVSFLKLG DATVPGTDERNMLFMVAHIGFFAFNF FNVL
YILVVQGI IKKELQRNKILKITLGACFCQLMSCMCSIHR YNTNDEF SAVGPF AHIS IATG
LVAYAFGNTACL LIGLKNARRSIKNFAGL GIALHYSVLGVSCCMSTAFYCF LQGYIHW D
PDPTKLNQFQPF RKF IGVSTMFQLLAIARCLYQYQYSGVSADKRIDFPNDPVRGSRG
SVVRMFQTCIFLDLVALGLSGTGIPVLQYPATGSTFSAL TLCSIFVGRMSFARDPEPTQG
EPGMLLANGTGYGIHTRNVDRPGDIEAGEDSELLD GREAVPVR

>comp16059_c0_seq1; 416 247 1536 LEN=1801; translated
MLITFGLLLLTA VYIGMVLALHYKSPVECLETNTNTGVDSYFDGISAVVESDSGAPCQTE
GVDNTILN WASDFFLAFWTFVFALHLSFLDPSKREVRKSGILAQVFMGGAFLMAGLGNWL
FPNSGTEDNRGLLGYVSWIFSRVFFAISGLATAHFALCASLNTDPNLKNRSLLSRSYVP
LAVCETL FVLSLSGFLTGSIWCSIEPELRADGVIDAFGEAGVVVATGGEEFEKHVCFRIA
SASEAAMNASYALLWL P AGFLLR AASRNKPAVVMGLPTPIAAVLAMVLQWTVGSMLVVA F
AVVDALVANKAGYFEAWNTVYGTVLYHWGMLMTLACVHNLSYGLPLFDANEDEGPAPLSW
EWWVAMVAGMVPEPTEPPAKKPPTGAKPSGDEREGSSDEESAYHHDACEASDSKRKT VSF

DVVSTEISM

>comp16060_c0_seq1; 1011 162 2156 LEN=2224; translated
MLLSFPGLVEARPIVRSIRSAHEFDRLLLAKHSHKETGLPVVDFYSDGCGPCRMMAP IYKK
VAKEFEDRAVFKVVDNTMQHLSARYQVRSPLTFYWFVGGKRVQDEKGGIGEAALRQYTN
KAVRQAETENTKLLLDLKAIFYAEMDPKTDDEIEAVYNKCKGRKEFCQGS IANTLAYKL
KKKYKKRPETQKLFVPKPKKTEGDEKGSPTDPTNNQKAQPRKSNTPNLHLATKEQLLA
ELEKREDEARDEEVEGEDIEEEDSLEDNASRWIRGSFPEKVIVIGGGPAGMSSAIYAARA
GLTPLIIAPAMGGQLQKGVVDENYPGLANFTGPAVIAAMRSQAIKFGAKIEDDFVTRID
TSSRPLKVYGNSTGAIEAHSV I IATGADSKWLGIPGEHEL RGGGVSSCATCDGFLFSGRH
VVVVGGD TAMEDALV LARTSKKVTLVHRRDTFRASKVLADRVINHPLIEIQWNTVVEKI
VGKSVSTPGGSSQDDSEELD LDDPSTADDGDKIVSGAVLKDVETGETRTLSCDAVFVAIG
HSPNTGFLEGVVEFDPEHAGYIKTTGQSTKTSVPGIYAAGDVTDVAVRQAITSAGSGAAA
ALDAERFLSEEGLGNEEAEMEAE LRELANEMNDGAANPDLGYNAYEDAGGRVHGVKESI
SAEL

>comp16061_c0_seq1; 493 239 1186 LEN=1400; translated
MAQRLKDAFASAAKRVSQASGGSGGGGGRAAAAAAQSVTALAVAGGLAYGTYN SVYTV
PGGHRVIFN RVLGMKDSIYGEGLNFNIPWFERPVIYDIRTRPVNLQTLTGSKDLQMVTI
AVRVLHKPNPSKLVWIYRMLGTNYDERILPSIMNESAKAIVARYNANELLTKREIVSREV
SMDLQRRAAKFNVLDDVAITHLSFSPEYARAVEAKQVAQQDAEKAKYVVLGAQQEKKTI
ITRARGEAE SAELIGLAVKKNPGFMKLRRI DAARDIADIVAKSGNKVYLNADSL LLLNLLG
DADDKFEKSVASKWR

>comp16062_c0_seq1; 404 133 1464 LEN=1698; translated
MTDEPLAKRRQLPEPGTNDKISTETSSSASRSAQETE QSEAPGSADSPLPPARES DASI
KLPCDDNIDGSHPTRNETKESAAEIGTNAGNSSNDDSHRSAREDPNHRGGDKGEPDR TSK
DYFYSYAHHAIHEEMLKDEVTRTRYEMA I KQNGHLFRDKIVLDVGC GTGILSMFASQVG
ARHVYAVDCSSIAHQARRIVERNGFGDKITVIQKIEEIE LVPVEVDVIVSEW MGYFLLY
ESMLDTVIYARDKWLVKDGTGIVFPDKAVMYISALEDGQVKRDRIEFWDNVYGFDMTP IK
DIALKEPVVDVDSKAVVSDAVPILHLDILTCKREDVEFAASFELTANRNDYVHALVAYF
ECAFTQVHKPIGFSTSPFCRYTHWKQTI FYLPENLVVCDGERIAGDIACKPNKKNRRDL
IAISISVDGKHNSAFSVDYRLR

>comp16063_c0_seq1; 773 85 1533 LEN=1568; translated
MGKGGDAVALK GKDELKEMPKYTWKDVKEHSVPSDAWIVYHNKVYDVSNWHEHPGGAVV
FTHAGDDATDIFAAFHAPGSQNMLKKFLIGELIVESVEHKDAHQHAF EKAYRDLRSQ LIV
MGMFKSNFWFVYKQLSNASMAGAAFAAMVYSENTFVHVGAALLMGLFFQCCGWLAHDFL
HHQVYKKRRYGDYSGLFWGGVAQGYSMQWKNKHNAHHA VPNLHNS SATSQDGD PDIDTM
PVLAWSLKQAQSFREL RADGKDSFPVKF MIRNQKYFYFP ILLRLARLSWLNESFKYAFGLG
AASENAKLEREAKGLQYPVLEKIALVIHYALTYAFCTGMGRFSAAYSFGLFMIMTCTCGF
FLAIVFGLGHNGMAVYDAEKRPDFWKLQVTTTRNITGGHGIPQAFVNWFCGGLQYQVDHH
LFPMPRHNLEKTHDLVTSFCKEWKVGYHEADLVDGTYEVLNCLDRVAGEFVTFD LLDGPTM

>comp16064_c0_seq1; 378 1 1195 LEN=1229; translated
XKMMELF TSVGSI AKRRCSNREVVVSIAYLVFALC I FVLSKEFHLLNGTAEISGVFDDAI
KDRSKNLTKSYELDYESCKASGVDSLVPENWCLDSNNVPRYVGKEDWPPRNIHRYTHGGY
EKCLGNKTLVFIGDSRVRYQFMSLASYLQSKEFMKCEDYSMIAEAKNITFSPDKCFLVN
ERFLNISWNQWYEDTTAEFPGLCDCYRSNKKGFKPDSTFENRFFKKPTPFGEITLVYIQ
NFLDDVTMKNHFPPFTSFEPNPQRCKPGNCLDR TIGFQGNLSAILWNIVPKFNPTHVFAN
SGWTFVDYSCEVRDFSRHYPGIKSYLISHPSMLEKVYNPSLEFDATKLQCDSDLIDRTAM
TKNVPKNWYDRAHVLSILNEEWNHLLVGKICPIKTY

>comp16065_c0_seq1; 364 104 1231 LEN=1420; translated
MNLFSTRIGNDRVNSG SILVLAGFPILLSGQVALGVL TILVALVLTASQGIT EADKIEIR
FNASTPENVLRLEQLSEMENVNGFGKSNNSRKTLLVDEETRIKH YVKGLLALGRKYGKS
SDDKPQLSLRYQQLAFETIRLYPENDQIVDGSISLLALIAKEPIVRKRYKDAQHEFG LNR
PISVLKSVLARARNEEDEAKEEMLAEILRKGCLFLGAVCNESEDLGLSSVVL SKGGLELI
LEAAKWFRLHEEVS NWALWAI FTLSYDQLSIKARLVRLQGIQTICGIMENNQTSLEVTRH
GTAILFDLLRERERTVVGFKWNPWEVRKIALASGLHERILAGMREFPDSMDIMKMGQEML
IGTGYRGDIPKFQEI

>comp16066_c0_seq1; 304 15 1637 LEN=1867; translated
MPPFLCWLVRGWVLLVAIIPLSRARREKVRTTCD DPTRWTPVAIFSSRFTATAPSDDFQE
RRNSTGCRGSIRAATRATILSKRTQWREFRGKIRRGVLEGRFASGMKRYLEIVLLKQRHG
MERIARSARNVAGVVLGAWMAFAGGLSTPPPLSASTSLTAP ELSLVLQCGMLAWVVND

LTRHCAHRADVKNDTATFVEARGRNDKYTTTHAYYNI AIGGRDCKGNDPTSSTDHYETTGV
ATREARSP I IGHNVLLNDGI AVVVALLVLLAIKRNPHHKPHRAVFQMAVFLICIFRVTVR
SFRSIVDDVLYVEHTRRNSILYRYLLRRRRASLPDVSNLQKRFLEWMAGFLVLAALSCVS
SSSNAPLLPMVAASLMGATLVADSVVDEVVNNWFNLLLRRLGRNQRNAVVAHVIVTETIQE
SLSDRVFGRLEAFQEFEDMVKGSVIGIDGNSSSIWSEGEF PKDGKRSNLSFLHDHTK
KAISKNTKLQMVWTLAASGVLTLQFLILWREPIGFVVREALLSIHSDALWNDMFPDLFPFK
>comp16067_c0_seq1; 324 256 960 LEN=1110; translated
MKTMRVLLVWGSETNNTYGF AEKIGKEWREKHGDVLEIVKGDADIADRWDEVGTDNYD
FLLVATSSYGEGEPTGFGKFLYRLQEASKGGEQPLKGLQHAVLGIGSTCYETFQNCPRH
VDKYLGEAGSRRMKERFEWDEMEHVSDVLEWGEVWKMIDNTNNGDKPEVCPWTKPES
LLL SKIVDEDDGYEVGQPPGFV LQMLLLGAGAMAAGAAYYHKMQFSEAVGEL
>comp16068_c0_seq1; 2128 67 4299 LEN=4489; translated
MVHFKA AVTLFVLGATTTAWTPASRTVAPSASLFGQRDAVTSVSKTLLSVVTDPTESST
DIDVSMGSGGGMFTATNAENRRIVPENPDGRPTMKVVVYVLESQYQSSMSAAVKRINAAN
PNMAVECVGYLLEELRND DAYEQFKADVEDANIFIGSLIFVQELAEKVVDVVKPARENLD
ACLIFPSMPEVMRLNKVGSFTMKNLQGSKSVVADFMK KKKQEDGSSFEEMGLKLLRTPK
VLKFLPSDKAADARTFMMSFYWLGGSPENIESLLKMGVQDYVEDISKNMEGKEKMEAVE
PKLLPDIAIWHVPADVVFE SYSDYMRWYDNEFCPDAGIDAKTAPT VGI LLQKSHINTKD
DTHYVSLIAELESRGARVVPVYSGGLDYS GPVNDYFKDANGKVI VDTVVNLTGFALIGGP
ASQDHKKA AKVLKDLNVPYLCAVPLVFQSFE EWQSSELGLHPVQVALQVSLPEIDGAI EP
VIFAGREGATGRSVPLADR VNLLAERSLKWANLKNKEKKDKKIAITIFSPFPDKGNVGT A
AYLDVFD SIQAVLKLKSEG YDVG DAPETKEEIMEAVLNDPEARISSPELNVEYRMSTEE
YYDLTPYATDLEENWGPAPGNLNSDGNLVVYGGKFGNVF IG VQPSFGYEGDPMRLLFAK
SASPHHGFAAYTYLEKIFGADAVLHF GTHGSLEFMPGKQVGM SGT CYPDRLINTLPSAY
LYAANNPSEATIAKRRSYSATVSYLTPPAENAGLYKGLKELKELIESYRGLRENEGRGPA
IVNSIISTSYTCNLDKD VDLPDLE TYDSASDTKERRDDIVGQIYAQIMQIESRLLPCGLH
TVGVPPSADEAVATLVNIAQLDRPEDGIEGLPRVIAASVGRDINDVYRGNNEGVLDVLDL
NTKITEAARAATRALVEQSTDGYGRVKEVKS VFADVGNMFNSFVGGKKPWTEAI IKAGFP
DVSEERLEGV MQYLEFCLKQVANNELGGIMEL LNGNFLMPAPGGDP IRNPDVLP TGRNM
HALDPSA IPTQA AVEVAESVTNKL LDKLKL ENDGQFPESIAFTLWGT DNIKTYGESLAQV
LALVGVRPVSDSLGRVNKVELI PLEELGRPRIDV VVSCSGVFRDLFINQMNLMDRGIKMA
AEADEPAEMNFVRKHAMESAEELNVSLRE AACRVFSNSAGSYSANVGLAIENGGWEGEEQ
LQEQFLTRKGF AFNADKPGMMEQQADLFKSALKKVDVTFQNLDSSEISITDVSHYYSDP
TKVVEGLRDDKKK PMSLMADTTTANAQVRTLSETVRLDARTKLLNPKFYEGMLSTGYEGV
REIQKRLRNTMGWSATAGEVDNFV FEDANDTF INDAEMQQRLLDTNPNAFRDMVTTFL E A
NGRGYWDTSEENIERLQELYAEVEDRIEGV
>comp16069_c0_seq1; 209 8 526 LEN=632; translated
MTELNKSKPKVLTPTERKERNAMLQKLQDSGDFDRLKKS VYARLV LHPDGEAWMEGIRE
QTRSALQRSNGGTESIEELTLDELSAAIVAGSSGIPAAIEEDCLSR IKNLYRXEGPEEEL
VRSCAASPASDTDGWCSFVGGG TNVSVATHATGCDAIVEEMQSVVFGAQWI
>comp16070_c0_seq1; 377 396 1271 LEN=1335; translated
MFATRMLNLYLTF LAVTVSSVSSFSIPDVHHIQSTTDTILPHVSSILNTPSIVLNHNAIDA
TAFDPI SGYKELLKTNPLPTKMVTGATLAVCGDAIAQSQDVDVEYDKRRAASFALFDMAY
RALQHFAFPVIVAYCHGQILGSVGPLNVFDSSQLAAMEQTLASQLGIVPFLYYPAFFTIS
SAIQGLSASGAWSRAVENFVPLMKRNLLFWIPVQFIQFGYIQEDLQIPFLSCAGLAWTFI
LSVYAGSAKSYSQEDEIEIQESTVISLSNATAAVYDEQESPRLAVVESVAR
>comp16071_c0_seq1; 708 299 2113 LEN=2382; translated
MFSQPFVYLSPGNQQHRLAGGKEEIALTSSLGDANALSSKPPSSTISSKVMVGGEVSNN
TWGKSEWFLGRQIQTYHLQQQQHVSILNAISASASRAITDHGSFGSSLKLSAEPQNNYT
YHGTDLNWNAFNCESGTDKSKPKHHTTSKHRVRS DSDTATATLTTT PSCSLFSECSFSE
DEHDAGGETMEFLLGDI EESA FPRVNEIDEDGGDHSNDCANDI INVGNRDEHDTGDIDNS
DEWSHTTPLRRNASSFVVQEASEALNKSTETTTTTTKTKTETTTTTTTTTLTHTTTASTHK
NKNIFVYPRFVPGNNQATPPANATGIAPKHNDQRKESTQANS PCGAGGFLKQTGINKNAN
DSMVPFSDSQENPSITAPPSSALAYPHQQDLQHSICCPCCASKQQQIERQDIELKQMNML
VKQLSRLLADVRSQNQHSDLHNSKNRLTRQOETISNHPHSTETNLSSYLSPKRRNPNEQ
DSVTTTTSPSSSSSSSSLSISSAPQRKISSLPITCVGSQCPRSKNHRIEVNGESGTYRG
PSISRDENGRNHYQRAGIFQGCVVRFDNGDLYVGSLSRNDTGSLTFYPPGTLYDATRSPK
RRLR
>comp16072_c0_seq1; 221 1 599 LEN=599; translated
XNSNSNSNPNSKNTNDGRCDANHRENSHWKSFSMEKECSAFMEESFLSAGVFAFANQEV D

FGAXHSPEATGFFLGRNGSGVECSGVDAAEAAAADARRGEATQTKPNQTNHAPAILLCLL
ESLVFPKQNGRRRVSGGCDNARRLHLELCLRGVDAMDGNRLLLDVAQRRLVADSKHQAKP
DLEQTESEKEEKDDDDDDDX

>comp16074_c0_seq1; 276 1 1151 LEN=1574; translated
XYNSEWTHWTTTPVSQPSGGRSSVKSFGQGVRSDWILVCARWLPSQRKHRTRDESDGCSSP
WPSLHLANCPRWTERQSNPSMSGSLVEGAARKVALIMGIANQRSIAMGCMETFLRKGDWD
VILTVQNERNQSKLRKLLLEGRSHNGGGGGGRILGEFICDVTDPSTDLFFHECLPEALDR
SDRTLRSVIHSIAFAPDLRKPLETNRRESFLNAHEISAYSLSIQVARESIPYLGRNGRQDV
VVNESDSSSASGSITTLSYLGADRAIPGYHSMGPAKASLESTVRGLALELQHRRTSGPI
VRVNAVRAGPIPTLSSKGGIQNFERMRCVQRTAPLGNVSVSQVAATVYHVAAEADGMTG
QTIEVDGGYSVAVGPPVLPDNDNA

>comp16075_c0_seq1; 506 405 2061 LEN=2113; minus strand; translated
MNELDQGPDTGDFVSPSRASPSEPFVAVRGGVAVVVVVVFVVFVVVLSASAGLHEVPPAT
AMRRFAAPRLAGRTAGRTGSGEAPGGDNGARRIDALRAAGFRSGASSRSSSSSSSSSLR
DSFADTTLMYIAQPLDMDTXGDRPPGGGDQAVAGEIVEGPDLDVVYHDLNENPVVAALGAA
LRDGPQQQQRRAHRPRGPPKAQGAGFVELVGRAPRQKAAGVHGGVVADRAENPAGHQDLGE
ELPEGGSPGKPLDAPVDEGDAEAGPHGPQDRRAPQPVVDGLFPEAAEFRCPGSEGVFL
AEPGSVAVCVVSSAMGMGMATAFATSIGSAPASSASEASESENCSSSSGSGSERSVSAASL
VAVLAAVGSLSLGFVGGVVRVVDDKGVDEQEGVPADKLRSPRSFLFLSRCLAFCDPVRSW
AAMSPVTNMAAPEMTRFRMTAAAAARASDAGLMATAAPASVFCFVPGCRKQADGGSNSNTA
GNASLVIVRIVLVIGGALSRLRFVSLFSSSSLWCGIFLGLPFVGVPSAGLFGSDGDDCDNG
DRNGTTFSSAPS

>comp16076_c0_seq1; 471 187 1491 LEN=1570; translated
MENIDKKISFGLILLLLWCQNSLTFSWAFSTRSTIATASGAVRKRHRDRICKNSATQLF
DAASFFDEDEDEDEEASCLPPGRRPEVKRIFLISDATGVMRSILLKSLAQFDTCADKA
PYDTEKNKEGDDDDDEGDCSAGACDVRTRTFTFVRSEQALTNIMKLAKKKGACVMYTI
AKPELRLALAGEECKERLNLHVDLIGPSLNALSKFLDEDEPLGIPALFSPRNRKQGDGKTKS
QSNLGDSSYYQRIDAVEFCLKADDGQAPWLLPEADIVLVGVSRSGKTPLSVVLSQTMSELKV
ANIPLVMEVPPPVQLLEQVDPKRVFCLTISPSELKIRTNRLERRGVKDIIEKLELAGKG
IVVPKSNYADRNYILKDLGSRKLCQKHNWTEVDVTGRAVEETATSIVEIFNQRVFGDND
DTSSSNSFSNSHIG

>comp16077_c0_seq1; 398 208 1581 LEN=1644; translated
MFFWTSTAAQVALRMETMRKAEAGLVALARRFGDRNAKDDVGGQSTYKMEFDTAIISSSIL
PLWSNGADNSCCDDKEEPLSMHAIRVTHENNQSSSSNSSQRLQRQEEYPLVIVHGYMN
GALYFYRNLAGLANYFNTVISVDLLGWGLSSRPSFRLKDDSVESAEAFFVESLEAWRSKN
QIDKMTLAGHSMGGYLSVAYCEKYPERVDRLLLLSPVGVPEETSEEQNDFRERVMKSSLP
RRLMYGMFVSLWESGYTPASLLRSFPESRGRRLVEQYIERRLPAIADPDERAVLSEYMYT
GNILPGSGEYCLGAILKPGAMAKKPLLRIPNLGVKNVSFFYGMHDWMDVNGGLDVQRIC
LENARGTLSNKNQDHESPNDVYQVKNAGHLLMLENARGFNTAVIMAAGGKPPPEGSTEAD
LPVVLDVRRISQATKRKENTTTSSSSRGTDSIQAAAQ

>comp16078_c0_seq1; 580 227 1963 LEN=2137; translated
MQVMFQKSVXIAFFLRRRKWGEKENVGDDEEKKRDFFSNTPRLRSNEIHDNKIEHGNSIP
EKLSDDPHSRIKEPDETTTTDSSTTGKLRQKQPTLKRRTADGARRSKATDASVIVDKRTL
RWVAFTTSLPFVGFGMDFNFIILIIAGDYIDASLGVTLGI STMCAAIGNIVSDVAGIGCA
ASINFCATTLNLPVPELSHAQRQLRSVRFASQGGMAIGMTIGCVLGMVPLLFIDSTKAD
RLKKKARLERLCLDVVNEAKSLVGAESTCLYLVRVDEETKNSKKSASDGILPGFKPSVEGD
YLYAKYYVEPPKGESSASSSVGRTSPTKALIRMVSNNGIRATPHKGSPEAGDAPESNQQAS
RESSFPVTPHPVSSSRIIPVKGIIISRAVLTGTTWNI SGNLMDEPDFYPLSIETGTIDAA
DVRCNTAEGDHRFRDCAVVP IRDAKGNVIAVLQALNKQRCASSTEMNSSAGGGFTDQDVE
ILKSLASHVSVTLQRILLEREGEDDDLGLKDTIRILKEGKGTQNSNTPRWETSATTTTNN
SSPRSEEHEGSSRNQNTTAITIPDTGRTTNSKLFPEP

>comp16079_c0_seq1; 662 91 1533 LEN=1632; translated
MTVPYRLTKVFCVVSFLYCPQMTAAAFVPAALPFPVVRTGNTKQSTQKLNMSVNNLDVLT
SGLASIFCLPRGVTVSSPPAGTNGIRIAKLYDVENSKECRGVRERITELDLVVEQVVPVA
AGSSNAALLPGGKAPVLVVASPPAAGDEKETLRTIQGRGAILEYFDEAFGGASQSNAGSS
QEESEDDALAIAKEKRLLAGVYLAGWMRSRGEAVSPSVASPSEKANRPEKPLVLYSYEG
NQFCRLVREVLTELDITYELRSAGKESPRRAELASITGGSSQCPYLIDPNTGVSMPEAD
IVEYLYKTYALWTPPSEILGWASTNVMALAKPVFGLAPLQAGEKDAESNYRGNLESARR
EIEAEVSRKAVVVYTYELSPFSSETKSLLERLGVEYKEISLGKEWLPGLIAENGAIKRAA
LLDMTGQSSSLPHIFVDGKSIGGLYSGSPGLVPMLEERGEFSKGKCLARETFSGIDDDADAFQ

>comp16080_c0_seq1; 628 156 2159 LEN=2451; translated
MARAI RRQRQQSERDEDIDSYSNYSSDGSVERS PRTRTTISTSDVETSVAERYSPLDEN
MRNLPI MKTNIPRIACAILASIT TGTTYAFGLYGGALKKRLHLTQGGQLDTISAVFFSAG
LFSFIPGAMADRFGRTRNGICIGGIMGAI SLMLFWSVAKGHFPYFVDENGDPFFAVMILSI
LNIGIFLSCALVTGVSFVKVISCQC GPGSKGS AVGIAKGFVGLGSGAYACL FQSIRQPSMS
DLDFLPLCAFFFITAAAI PSSIGLPSKANET FVPDVL TPLHFRVMYVSLVVLATLVIGNA
LLGLYHDARNSNHEEPS SNFFMTALLL FVWIAPIASLLFLPQRSDWESEPRTEAASVSGG
RGRSDAEYEQLALHEESNVDTETV IISNENSSTGDISLEPMNQESFPNDEEE IILDEESV
DGSATRRSARVTQDRNLFQMLQSPSAWMLLWTTTILAGSGTVETNNLAQMVESLGFNNAV
TPAAMALF SVAQSGGRVITGALSESALTFETQRCCIDKGVPRPFFVFAASMVSI VAHTIL
AFATDQVFFVIGVTL SGIAFGMFWPLLVL CVGEFFGTAHVGAN YMFYDGFTSAAGTFLLS
KVVAQRVYEEHIDPHDNGTGDNDGVTCY GIECFQETHLVVLLSMT CVVVSLIMQYKTRR
VYSRSSI

>comp16081_c0_seq1; 478 332 1765 LEN=1994; translated
MRVPSSDAPVRLSKEDVDKSYRQE HGVGATILLDQPTNHEDPLENLSTIANEMVDMTKT
KDLLAPT TASHTKKTVRINDVVT FIPLLTSSSFFRQTPKPKTVTNQGYGMMRSFRIVTP
AAISRGHKTTKEDDLVPKSSLWWTKEERREILISNQKASRDFKRYHRAKIREANLIYEKI
VMDCSVFEDDKDKDDEIYHF FRNNRLRRRTDDNENMIKNSKRRKRMATTD SIDCDISTID
VGCNINPPSTPTTGETTMYLPDQIRGLEWGVLPDAKRYRKTHARNVLDWQDR LREMKGDI
ERKRRRNHDCDQEDRQDNQDCSMSSSDEHVDYNDHVDHVKITRRLSYHQEQE ILLGQK
AIISHRSCVLARMLGKSDAIAATDSVSI STSNLCEKSR TNSPTPSLTSTTDESNSGSDE
EDDSESDDDSDSDSDSEEDGGASRSHFLYSTVT TNASSMHRRTFRPRMMPPMSWR

>comp16082_c0_seq1; 286 70 717 LEN=843; translated
MKFTAALLMLSAFAAGEEETQQTAGRMHVDLYEGTRDCSDEDKVMAGNFLKMHYTGKI
HEDSATGEKGVFDSSRDRGSTFD FQIGVGVQVIQGWDMGIVGLCKGSKAHLTIPPEMGY
EHGAGRDI PGGATLSFDVEVVDISTTPPEPNL FDEIDTDGDQKLTKEEVEAFFMEKQGV
GTPDGLWENEDKDGDFISWEEFGGPKGSPGGEEL

>comp16083_c0_seq1; 219 29 439 LEN=1081; translated
MAGPIPLNKKTI VKKRTKKFARHQSDQFIRIRDSSWRKPKGIDGRVRRRFKGAIPMPSIG
YGSDKTTRNIAPNGFKTVVINNVSELEMLMMHNRTYAATVAKSVSSRVRKDIVQRAEQLA
IRVTNANAKLRAEEDA

>comp16084_c0_seq1; 455 177 1325 LEN=1733; translated
MSASSSPYRFCKIPSVNLTPFFTKKGVVIGDAPTEDQLRVAATIYMVCQEHGFVHVTFNG
MSNEMGEKLF AASRELFDNPKKGN DYEPWSPATNTGFSAFRNE SLNRNRPPDLKEAFNIR
LPPAWENPSIPMTPQSFQDI IDDYLRVMKTATIRYGMVCSLALDLPMDTFTKVLNTFDMC
TARFLHYPPCHFVEAIDPSVEREEG EKTKIPTASAKVQLAIRVGEHTDFGT YTFLLLAS
NQGPMGLQIKPGERGGEIGGSAGGEEGGWMDV VIEQNSDDDSNVFGAI INTGAMLARMTN
DFWRATPHRVIVPTAEIAAKDRYSIAFFVDPDSHEMIKVEGKYKDYSSSEDGKAPLVYRE
PISSKDFILMKNL NELAQAQRKE

>comp16085_c0_seq1; 211 794 1105 LEN=1514; translated
MYSTSSSEDQQQHFCFSSASN FQCRIDTGAVLSLSSAVMYSL LAVISMFSIRRTGRKECCA
SKIDTDDSDSEDKGDI IGENSGDESEKQHEGV LQSDSNVSCESC

>comp16087_c0_seq1; 257 54 827 LEN=1177; translated
MGKYIQAQRKGKSTIFQAHTRTRKGAVKLRSLDYAEKQGYIRGVVKEIMHDPGRGAPVCR
VQFLNAYRYQRDNELFLCTEGMYTGQFVYCGKKASLACGNVLP LTAVPEGTIVCNIEAKA
GDRGAFARASGSYAI VVTHDEDKGTTKLR LPSGGKKTVPSTVRAQIGIVAGGGRTDKPLL
KAGRAYHKYAVKRNCWPKIRGVAKNPVEHPHGGGNHQHIGMPSTTGRERPA GRKCGLIAA
RRTGRLRGVKKTAQDKE

>comp16089_c0_seq1; 150 72 272 LEN=523; translated
MATQRRAAARAGGGGGRPAGGNNILQFYTD DDPGLQIGPTTVLIASLSFVGSVVVLHI
IGKFRS

>comp16090_c0_seq1; 211 211 789 LEN=1017; translated
MVKRGRWFSRPGDPVFILAERASKKISIGSIKKPERLNLEKDLRRSHVSQDVLVGIIDGN
RERRSDEAPAGRIPDEAPTLQ GSEPQIRDNSYIFESEGAGISNLDP CDDDGHNSDTKTPG
PASSVSSLRRWLQGRSTSASVEGIYFKHGFEPAYHTLDGMRKTLFDWDWQQESNGYPPIE
DSHVGATTSIRE

>comp16091_c0_seq1; 596 26 1198 LEN=1426; translated
MKITALALLTIFATSSSAFGLNGGPKTLAKTATRSVSAFQKPAMVQPV DVQGNRLSNVAL
KDVSDAIAVRGGASDAAPAKSGPDFGLIAYFALWYLGNYYNITNKLALNAAGGKTGFPM
SISSLQLGVGALYGI FLWLAPDARTKPTVNMQDLIKMIPVSFCFMGAHSASV FAMGMGAV

SFAQIVKASEPAFSAVLSQYVYGKPI SKAKWLC LPIVIGGVILASVKELDFAWSALIAAC
IANMFAAVKGNENKKLMETDGLKDR LGSVGNQFAITSILAFILSLPIVAIKEGSRFGDFI
EAAKTPPAIWKNL VASGLWFGYNECATLTLKKTGAVTQSVANTAKRVIVIVGVALVLGE
SLDPIKLLGCSIGIGGVLLYSIIDTLVAKK

>comp16092_c0_seq1; 349 79 1395 LEN=1508; translated
MKLVNTDEPEVPIPTVHASKTKNRRRRKRSM TISAENYDGG LVEFLMTNNSNTCRHKKHP
QETEDLRSSNDLDDCDDTSSLTSGLESTYSYNS SSSLASSTRSTVSSLGSTSSSLRSSRS
SSKQSRRRERERTKPT EIVFDPTLVPSK SCLKNNLCSSRSKRQTHGTTIKIYLPGNPEP
VAKHRTINFNEQVSVREVRSAKSLLRNKAQYLW FQPHEHAEIKHGIQKILNAVNAEGT SI
TNGRKYCVRGLERFRNPDECFLQRAKASEAVVMEQYLQRAEGNFDPAEISAVYIAASKPS
QLASRRGIKDAIIAESILGTRFRTL VGGGGFSMSSSLSPVNSQTSTSRKSF SARESRTS
RDL SLPSPESPSSRKSLSMRMSRSKSNGRASQSPSSTRKEKPRQKRKTKRSTTGT VSGCRP
PLKGETPSYLP SYLVISN

>comp16093_c0_seq1; 717 46 1617 LEN=1975; translated
MTLINRYTSLFVVLMTSLSMVDRAASKRIG SMPYLRDADLQNYISSSSSSSENNGQWVS
MSEDVQFMPNSNLRPLRKPTRKLRKLESAEAE EEEEGESTTGAW EAYDPYSVQPFVEGMSE
YDEYQQAWRL LGFMIDCNMSDDDDNNGSGSGD TTEDGCARYVLWAA YVDLDYEGGGIGEY
QYWRDTE SWDDTACYADAGSGDGNNDGNDDANSKSRCAKMDCHLED TNF SVLGGFFKHR
NYDDWMEQLFKHEGMCVWSDEEYAFMKNAREAWP QGCIDSGLTSE DGEYNLYNIKPMRN
GRIAPGFYTD TQCLDDYSVTTDEMEDMIGNIFFDGN GSGSQDENYDFSSESLSESLDRWN
SAFDVWHTCHPCVAHDL ENIYGDTYTDGYN YNGNYNGYR RRRRKLGG EYSAQGDIFECY
DDAGYTNVNQCMKFS AKTVMKTATFRDLSLARTQT TLVEYPLSGFLDASDRYHMNI LGNF
ATYFCLCAVVLAFYYS LYNLYRVSKAAEAERQQGSNKDSL LTE

>comp16094_c0_seq1; 201 331 564 LEN=876; minus strand; translated
MTTATFSVTTLDNPSFGVLAGQPVDILL LN VNAGITTLIVGR TAIETNTQSLLDMTLGVA
FNEELLKRVKDF TNGAD

>comp16096_c0_seq1; 877 131 2374 LEN=2522; translated
MTGLLR FVARPFGSLSTRTAHPNKLLPSATTASASWSQRW MSSDENTALRNIGISAHIDS
GKTTLTERILYYTGKINSIHDVVRGKDG V GAKMDSMELEREKGITIQSAATFCQWDDAHIN
IIDTPGHVDF TVEVERALRVLDGGV LVL CGVSGVQSQSLTVDRQMKRYNVPRLAFV NKLD
RQGASPDN VIGQLRDQLKLNAAAVQIP IGLEGAHEGVVDLIEERSIQFDGEKGENIKYGD
VPEDMVDEVEEKRMELLERLADVDDEIAE FFLMEEFDPNETL KAAIRRTISCEFPVFM
GSAFKNKGVQPLLDGVIDYLP EPEKKNYALDVTKDEEPVEVTC DKNSLLALAFKLD ET
RFGQLTYMRIYQGT LKKNHI INVNDGKKIKLARI VRMHSDDME EIDEAGAGEV VAMFGV
DCKSMDTFSCGSTDLVMASMFVPEPVM SLSLKP KSTMQNQLGKALNKFTKEDPTLRVKV
DEDTQETIISGMGELHLEVYIERLNREYDVECITGAPNVNYKETINKQKFDWIHKKQTG
GSGQYARVMGYIEPLSEEEQKEIKSTTHFDNQCIGTNIPPEFYSSCEKGMMDAILEGALV
GSEVEGMRVVLQDGAHA V DSSDMAFRTCMANAIRD TMKKANPSILEPVMRVEVEIPSEF
QGTVVAALNRRMGMIQSSDVNDGSGITILAEVPLSNMFGY STELRSLTQ GKGEFSMEYF
KHIQVPRNTQDEL MKKYREEKEQE EAA

>comp16097_c0_seq1; 395 1 1056 LEN=1511; translated
TLLPDCPQTAKPNQTNQVPTT PGTTFHENTKQKTKHANKMVVAAGALVQKMVIAAFAGM
GAATICHP LDVIRVQM QTEGSDYKGTIDCGSQIVARNGIKKGLYAGISAAYLRQWLYGSC
RIGIYAF LLEQAQTKNLDAGLPKNQIAFGTKLLMGMTSGGIGSFVGT PSEL SLVRMSNDS
KLPEKQRRNYNGVVD CVRRRIATEEGVT KLWTGGTVTVMRAMVLSACVLACSSEIKLKLIA
TGIFGTEGNLMFGGFPLLFVATLVSSFI ANIFSNPFDVVKSRVQNQKADPKTGELPYKST
LDGFLKIIIGNEGVPKLWAGFTPAFVKLAPYTIISLILTEKITM VITGKSAL

>comp16098_c0_seq1; 196 1 995 LEN=1097; translated
XQIQTMVELQQQLGALLCQEMKYAVRDYVIDLSSPWHDSGVSMVSN DENTSPNVSYNEGY
LRGCGKRRNSDSVELKKTSTSSSSTDQQR AIHWRGKICEWLYQVADHFNFRDIVYIT
LNYIDRICTASHAE EWL RDKNCFQLLAMAALCLAIKVHGEVDSSSPETEASIMTVILRLG
RGQFSSEELKMM EKSA LKRLQWLLHPPTPQVFISFFVELFCAGDNIELKDTAIYLV ELSV
HDYYFVPLKPSVVALAALSTASSILGLSESWLTGVREDL LLLRNGYE EPASIDACSARLEI
LYASCQTQANDDYVDHADEIIGNHSPRSVMN

>comp16099_c0_seq1; 419 136 1428 LEN=1763; translated
MAIFKSSSFALVLTALLANAAMGQTNLNYDQCKRVVDQRAINDNNGGDRSFS SNREGSQ
RRTYGNLCTGSTFYSP LGNTNQQTGTIPSRVGD PFRFCDLIDRFPNVFNLMATGNSPH
TVFAPTDAAFKIDGLIGRLDEQRMLELHILPQARLTRDLRCGQTYRTINTQQDRNRQR
SKTRCINASRAQQVGP GNMHNLNPTIGVPDNI FNAQQFEFQTEFVLNFDNAGDTDEKTE
YTFSQDVIACNGVIHVVD EII LPGPRNGSWNTGRNYYGSKAYNYGSKGGNRGNRGNRGN

TYYTGGNRGYNYYYNKAAGKGGKGYKGSKNGFAGKNGNNGNNNYRRGNEYNYGTGWRTRN
LEGAVDGDDLDFFEEPDELIMSDAEFFGVEGLIERPDELEESVVEEQEREAELNRKHRLEAM
LEPDGKIIQV

>comp16100_c0_seq1; 437 1 1678 LEN=2257; translated
XYSKLCYQGERPKTGIAPPFIDEIENLSKRKINKEAKMQRFQGLADGVHRGPRRVVVTGI
GMVSP LGNTLEDAWKQLVGDDMDCEGTGSQC GAMSLEETLLRFQNLSPDRFEREWK IARS
LPCQVVAPVRGLEEAFLEGAGKKEESSGDSLWNPRTTARFVQMALLAGSQAMRQANLLN
WLNNVDKNREQMREPTYNYNHRNRNFVGVGSGMSAVREIGNAWDIVGGGRIRKLSPHF
IPKVL TNSAAGRLSLEYGLRGNLAPSTACAASAHAI GDALRAIQSGAADLMLAGGAEAS
IEPLGLAGFSRLRALSTSFNDTP EEARPFDPDRDGFVMGEGAAILVLEELEHAKERMRL
DAGQKGIATTRILAEVTGYAATGDAFHVTAPDEAGRGAERSMMLALQEDSYVSNSEVPIG
YINAHATSTPKGDEIEAAVVDRLGHSEKAMDPPLECYMSSTKGATGHLLGAAGALEAAF
TVMSLVDQRI PPTLNL SVDSEVNRNGTNRSLFTHVTGTKGIRPTADIEMAMSNSFGFGGT
NASLVFRYEDDRDSEKKK

>comp16101_c0_seq1; 274 288 900 LEN=900; translated
MGNLLGAPVTEKETHRGVTKDERLKYGLSSMQGWRVHMEHAHIAEGDLYALEETVTEATT
TSCEGKEDVVHKRKRKIPLHGHSLFAVYDGHGGTFAAIYSGNNFLRILSKQRHFVRYAKM
CNEDAGTGANSPPPATPTGST EPTKPKTTTTAAATRAAKKMLLEQALKQAFVETDYEIG
LAIRGKSHADANSPYHNRNDDDDX

>comp16102_c0_seq1; 707 119 1792 LEN=1922; translated
MINNRQEATNTQTMIRNNAYLTTRKRMFLATVGAVVLLLGATTSAAAERVDRNLNRGQE
PFRHPKTFVVEEAAGFITSVFGSGSRGAKIRRAFEEQGV D GARLV SLEASDLEGLGMPK
LYARRFRKTLDELLRKAEEEESEKTSSSSIESQENTNGNESDSNLNADDDNNVNDNRDND
NYDDTIDNDDDGIVVENDDDAREDDKTENENADIDADRNP TENS DGNSDENDEKTAHSSD
CNKEPTKAQTPSEAKETDLSLVVLTIAALANADTNVPAIQINSNQGDETQRNHDCHKLCA
EQRSEHSQRPSTRGALRSAILDWGANPESSPHGAILGCWDVSEVTFDFSGAFENTRSWFE
PNNSLSCWDVSSATTMDRMFRNAVRFE GSGLETW DVS KVTSMRETFSGARLFTGHGIVGW
DVSSVTDMGGMFFDAAAFNESLEDWNVSEVTTTAFMFAAATSFNKPLGAWDMGKVHDFRS
MFEYALAFNQPLAGWNVDAAKHVDRMFNGAEAFDQNLCEWKNPKNHPSFQQPPMYKKKAI
GHELFEGTSCPKRKRKSW

>comp16103_c0_seq1; 504 142 1626 LEN=1948; translated
MRRKSQTSMGWLD SRWVRCLPLVLAIFQIVVMVD TILKNPNNNNLKG NKYNIAPSSSVSE
RGITIVKKGISTGGEDAIDTQAEAE TASP TGTGTETEK NLYTYTYSDDVENDEIGDGNES
TQRTVYWM DHTAIYDNYFSGTW IQPIERFQRLNVDIMSSLEDASHRVFFENKEDVRMTVD
WLDFAVEHLSKWCKKLDITNSNHNSVAIDKITGNLLRYIQATPEKTKVLLSKSESKVDKP
LLHPTIAVISHGAVRTDDDTPIGNERSKNLTVTTLGATITSLLRVIGRIVVTGLDDLDA
STAMETFR LIGDQFAAYTDEVVIVDTE LAYVNITEEKWIKSEYEDVHRPRATLYGLQEAL
NGNLDKVTAEKWLGTLHDQSYWKYIYSTEPDLILQTRFESLPAIHKALEKGRVVMPHRLQ
PVAHKLDLVGSNGEKYNGSDQIIPAKGKFHAMELDGAVDMCCDDGRNPKWDPKDDPADT
PCYTWWYDCGYTREW

>comp16105_c0_seq1; 638 202 2598 LEN=2818; translated
MLNEGSEARGRAIKSERERELEELRSRGVAKSRREKLDYSIPLQTAEEAKDFLIACREH
QHKRESFGSISDSGNPSNMSAIDYNSFLMEQTRRQRELKMRREAEQLLHGFRGFYAESF
GSWLSPRKKDRRSFSFGYGD SLADPDDVSRSSISRLMNSWDEEGRDDNNSQHRDRPKPN
PLDPHCKDFLLDTRHWDGTDYPRTDQMDVSSGVVLFSPDASSTRHSWGGSGSKDGRIFS
PDGSKSRQEWENDQEGRDDGHQSRDSCSPSNQNP SNPNRIEYKTLDPKSRDFLIDNRRYD
GTQYPRTEQDMNV SNGVDLFSHEGNRRREGEYSTPHFRERPSSIRHPSSGDQQRGIQSGD
FDREAVLYGENGTAEHLVQPEGSKSVSPYKSNSINLQVDTDREKKIDICASEQRLRAGI
DPQGERVDVSGVMRNL EEDVSKIELSQATSQDDSIYNQQQASPRPETIWRSFISDEPGAQ
FPPEAGRYHLYASYACPGSHRALIVRALKGL EDVVSVTIVHPTWRHTNPNNPNDRHRGWI
FGDPNGRPFHNTMGRGGFPFPAYPDNAPDPVLNAYSVRNLYEHADDTSGKYTIPLLWDTK
LNTIVNNESSDISYMLNSCFNEFAQNP ELDLYTEDDDDG LDR LNEVSKWLYPMMIHGVYR
CGFAKTQRAYDQAI EELTDAFDAADELLQSQRYL TGD TLDADIRFFVTL LRFDEVYAFY
FRANTRLVLMTPSLNFCREIYQMPGVAKTCQMDQIKAHFFGSHAENKYSVVPRGLGFM
RYLEQPHDRDQITGFGHI

>comp16106_c0_seq1; 537 1 1662 LEN=1978; translated
XSDLDSHKGSEGRYPEDNHP LSATSL LAPSTIEELXLSSQLSSLRRPSFKTNLRKQYNL
VMTSPPTYITN RAGKVRNPKHIA YMRQKNSKAQKDTENETAQIAEAPDTS EDGKEPHG
NEKRDDGYDKFVDLSRPWETAGDLATNPGARWCEREF SRFREVQRVTVVEDGKLVADYR
RKGVGADETHHFLSTTKAVMSMLIGAVMEYSELVELNVTDTLGDIFPDDWAWHKLSGEEL

EYKKSIRVEELLTMTSGLISMFGRRGILHMKEVSIADAPGSDLPRALAAPAWDPKLRGK
FKYMPSSNILSYVIHRKTGLSPRAFGEYVFSKLGIDHDKMDWDANANGVETSFSQLQLT
TPQMCKIGQLYLQDGHWCPPADGEKTSTILSEDWIRASHTKHVFGDTKAGFDHWYGYLWS
LYDREYHGVRSAAGDCWSAPGLGGQLIAISKETNRVAVSRSLPPDPKTLIHHKKLCIKL
LGNTMHYQPQNANTKSKHGYGGLPPYIRNKDGKMRNPEYIAAMTEVSDGLNSSDMGGG
RLAMADEVDEHKEEEE

>comp16107_c0_seq1; 224 1 699 LEN=786; translated
GLFDDNNHNLTEAKANQPTLYRTNQPHPPPSSSHDSMPRTNPSSTATRNVRTSRSRCRF
VALLVAATVPGTALGLATNGRRGFLASVSSCASAATVAALCPLPSAASQEVELRQGNQVT
AFNGLAFNYRGGEGYGLDASTLDEPSSISYSDFNEKLRSGGVVFEFKAPDGDVAYATLRG
EGDGPQRLRIGEGYPIEQHDGYSSPMFCIRTVKNAGVPYKVVVKGLDKYSQ

>comp16108_c0_seq1; 866 77 2356 LEN=2682; translated
MSTDQGRRTIQSDGPLMEAAEENKLIIGGDSFPGRTPNPSWLKVRNEHYEAIKTRRAEEM
AQKVPVEISVTMPDGTVLTHDKEEKPFMAYQTTPLVAAKISQGLADASIVARVTYEKYA
DDYDPAQDGVGAADGLLDAMEDLDLEDNDDEENVGSGMKPQLWDMTRPLVGPVKKLEFLK
FDDDDQDAKTVFWHSSAHMMGEALEHLFGSKLTIGPPLKAGFYDYSYMGADSIKDDDYKPI
EKEVNAI IKKKQKFERMVI TKDEALELFADNPFVKILSTKVPDGTTRTTVYRCGDLIDL
RGPVSHSGTKVKAFAAAKHSSAYWLGAENDSLQRLYGISFPDKKKLKVWQEMMEKAKER
DHRRLANKQDLIMFNLDSPGSAFWMPHGARIYNKLI EFIRKQYWERGYDEVITPNI FNLD
LWHQSGHALHYKDDMFSFEVEGQEWAMKPMNCPGHCLMFGSQIRSYRDLPIRYADFGVLH
RNELSGALTGLTRVRRFQDDGHIFCRRDQITEEVLGALNFMKFVYDIFGMTYKLELSTR
PKKALGEKELWDEAAEALEEAMNTFAGKGNWRVNPGDGAFYGPKIDIKVMDAMDR IHQCA
TVQLDFQLPIRFDLKYTTDSKEEGKQFARPIIVHRAMLGVSVERMFAVLTEHWAGKWPFWI
SPRQVMIIPVHKDFGDYAESVRQKLHKEMFFCDVDQSKATFQKKVRNAQIAQYNFQLVVG
ANEVENGTVNIRTRENKVEGEMKVDEMIQMFKRLKEEYK

>comp16109_c0_seq1; 268 224 940 LEN=1275; translated
MASNAQYDQSGSQPRPLQMGAKGAYIVRLLMVGDSGCCGKTSLVLRFDQNVFSTKFVTTIG
VDYRDKMVKIEGVPMRLQLWDTAGQERFRSLTSNFFGRADGFVLTIDISNRPSFDHVIW
MRDIKTRAPPDCDIVLCGNKSDLDNDRVVTYDEGKQLAEYGVFEFFETSALTGQNVKMF
YGLSTTIKRKRIDEFEGSGGSASGGGGADQNAAGGEGSQKIDLGSSQGGADAPKAGCC

>comp16110_c0_seq1; 342 176 1555 LEN=1824; translated
MSASSPSTQRRRTGVVYNFWRGHPNTGLLPAREMQEILQTMASRENQERLTTSLQYLKSD
RGDPFLLKELSLFLRRHTLDDELPLENHAAEQRDEDMDFLTHGVSHGLDMLCTAQTTEG
DVVLVERPCYFLAAGIFRSHGLEVKSLPMKQRRGAPVVDVVALERGLREGSIGVPRMIYV
VPTHQNP TGITMPLDDRWRCLRLAREFGILVAADEVYHLLDWREDRTRPRSRFSVLDRLA
SSQPSLLPASDGAKKINRKTMGCSVSVSSFTKIFTPGVRCGWIEGPT E I I DSIADLGYIQ
SQGGCAPFVGNVLRALTEGGLQDRILAGLNASYQERCETLCDVLDSEPDIRIACRPAGGY
FVWVDFLDLPRTEDETGAGEPPSSAFASHCLRHGLRFMPGVRCDPVVDGFGQSGQPKDLC
ESSARLCFADMDLHDVSDGAKLLVRLYREYVAKQDNAN

>comp16111_c0_seq1; 327 1 1441 LEN=2073; translated
XSSSTTPPEGAIEVGAETPTGSGRRILVLLVAGGMLRRSPGTTVVTDSPYLQRPLLRLV
LILGVATSLSDITVDALANRHHHPAAPSERAGNKNDKLLIIGLGRVGLQVADLLVQNE
EIAVNQVVGTVRKLKSKCEVDKNQEIVRIPFDSTIVREHLFGSNDDEGKGNYSDFVVP
ASHVLF AIPLSREPDPAMEAVMEALNEWWECS DSSSHASSGQKVLGILSTTG VYGNHNGG
LVTEESSLLCEKNSNAALYRTFENSWI STTDRVREADNEEDNTGSPRNRRLC I FRCAGIY
DSSRSALHTVYKNLGAEGTDP SQMFASSASVPINTVGNKTNRIHSVDLARAVLSGMFLIE
ENELGNPARI FNLDADNLP EVRSVVL SYALKLLSSIGIGVSTAGTKEAAAQIAVDPVAIPS
RSSKTRQRREKESKLVCKRMREELL PNGGLLP TYREGLDFIFKDP TTPWQHSSKSSME

>comp16112_c0_seq1; 184 1 472 LEN=676; translated
XSSNNVSYSYFVEVFERYNQTTGASSSTGEATTQDLVWAVLFGVPRDAFYFEXPEVPP
PPPSNLVSTRNDGPRGRLSGGLKQKEEIDETIGPGKRPSKESHLASAQPSSPGGFRFV
WQRDATRHS LAQHNAATVRDSERGRSRSVLSRETLP

>comp16113_c0_seq1; 506 105 893 LEN=1009; translated
MAIGKNKRLTKSKGSRKKAVD PFLKKEWYKLIAPSIFAQKDCGKTLITKTQGTKI ASDY
LKGRVVEVSLADLQKNESLAYRKIKLCIEDVQGYNCLLNFGMDMTRDKLCSLIRKKQTI
IEANVDCR TTDGYTVR LFCIAFTRPQDNQISATCYAKSAQCRAIRAKMVQTMTELGTGKD
LKSLVKELIASPIGDEIAKNCSSIFPIKDCYIRKVKVLKPKFDVTELM EWHNADEVVTT
GDAGTAVEAPKEEGLAGSGGRL

>comp16115_c0_seq1; 613 1 1889 LEN=2200; translated
IELGNKYRRPPDRSCIPRLCETAQEVSEISXEQTLDFTEWDRELSNIWNKTSISHFIRKR

MESFLKFLLEDLGAKPSDVTIVDDKASPELSAALFLLNRPVLSSSDFNRSSVSDVSSAS
RPCRWSNMTEMDQLRIAKRMLSDLRTRNVAMSMSSPSLSTRHALDIGGNRRIKTISST
TNIGFPSRESPSNRYDRSTSSSLPSADRTLVPNRSNPGWDDKALWHDVTSRMMNKNIEARK
SKMQKQKDKDFVSSKSFHFDSDVENSLSREEEEEEIRSNLGLSSGEDSIDILEDFMEDWA
VRKDLDSNSSTERFSTSSSSMSNLKPHGQGSSADMTDSTFDMDASYQSFLDYSKLVSNHQ
APRLPQRKISQEKLVTLTPFLNMNSNIGEIHTKNNASFDQVPTVPGQQQRREPKTSHADI
LPFISSASQVLASGPRDIRKKRTGLDSFIGVDRVFGSKKLSSTEEDIRSKNIDLRLERAR
RLREALGSMAPSSRKNDDDTAGPRKFRWKSYSRIKKNSEAVTVKEQRSSQSQSPPRTFN
PRGGGDKAVSGSSGTAALVPRRTKAVCSNSSSSSSSSSSSSSSPNHSVDDSSYSTLSIHSE
ETVKSSNLRQSVTMPNSVGSSTVMEDSLAK
>comp16116_c0_seq1; 159 1 474 LEN=650; translated
RLHCGDASDYNFLKEKWDTYMNRPDAPPLMAVVDDGAHLHDQMAATLFFWFPRIQPGGIL
VVEDVQPHSEANRFRTHIVPQVMKDLHWCGGTGSHTVSNLPLCFPTIQPLLEGVHCEMHI
CVFVRNNEPAYEPDEATSRTPEAFMGAQKCLFGPHD
>comp16117_c0_seq1; 257 164 1159 LEN=1368; translated
MAVSKSSVAAPSLDRKAMFYMFLLSLQFAFQPIILTRTYTPTNICRSTVILMQELLKFILA
FTMLAVSGSGRSVAVSGWTVSTWTTVAFVPAALYSLQNIQAYQTLTDLTDFNVLNQTKT
LSAALCCYLVMGRRQSFMQIISLIFILLISALIMEKLIPLDFATARPLELTALESHHWAHG
VAPIMLASFISGLSGALSQKNLQAQGGGRNSYLFMELCAASAIILICSLFMSPDGKTIA
REGFWNGWTSTTWIPILTNSIGGIIVGLVTKYAGSVRKGFFALIFGMFLSGVVQAFITAEG
VSVEQMVGGILSAFSLWMHATNPHVPKEKEE
>comp16118_c0_seq1; 197 105 794 LEN=924; translated
MSQLYSHNFAGCNLIPIRVDALSDDKSIRIVDTLLFDPCSWPVTLYEPLYASVEENVSLI
AHTILSDAEVQPMGRTRVHFTGRDLWLNKQKTIEDQLRPLWLRIVEMSNEDQTLGKN
GETLIPISIRLLFDRINIHENILWDKHGPLSPFDFAEDMVKEMNLPDDAIIISIAMTIEQ
LHGLHVDTAPEPTSENNDKKKLYRGAWTTHDSKEHASIVSQVVAQHRSI
>comp16119_c0_seq1; 305 172 1143 LEN=1217; translated
MRLFLNSGHVVNACVTKSTPSQPVGLALEKIKTPSPTGWGEMKILRVSKLSKKSIFRNSS
VPVHVGDRLVLEVNGIPVNDRKKFPNGVKDINELIRQTESVLQITLWKEDDVSCGGEAKPM
VKTQVEKCI SPTSNECKPSPSRPIRIQSNPREIPDNQKSQRSSVCNKNPFKSRWDTKEQV
VEVQDDGELVSHSCEKKRQEHTTTPMQLKLSPALEPWPSSQEDKEQCSVSSSTRSSSHCL
TNLIDPGDLMELDGFENRSENGMTVQVVHRDDEGTTKRNP SHHQRRKTMWIVRLVSNAD
GSTTGIGPNQLVAVPAKHLRHFV
>comp16120_c0_seq1; 366 93 1280 LEN=1756; translated
MSPAAIKKNANDVIVSALRTPMCRSRK GALAKTTPSTLLTTVLEATLKRTGVKGEDIED
LCLGNCLMPPSGYAAMRMAMVAGIDAETPLSWVNRQCSSGLQAVANIADAVATKKIQV
GIGGGIESMSYYPMSIIKAPDWDVDMKKAHKQTRVMDCLIPMGLTSDNVVSQYGLERKD
LDAFAAHSHEKAARARASGKFKNEIVPVGNVTEDDGIRPQTVEILGKLPVFSKNGKTT
AGNSSQTTDGA AAVLVMTRAEAEKRGLTILGIWRGYAVKGVPPRVMGIGPAVAIPAVLKQ
CNLIVNDIDVWEINEAFASQASWCIDILNIDPAKVNPNGGAIALGHPLGCTGARQIATLL
NELHRRKERFGVVS MCIGTGMGAAAVLEVETESRL
>comp16121_c0_seq1; 197 87 371 LEN=716; translated
MMHIPSFFVGLASGSFAFLLVHQQLSHREHMSRKWAMADRAEHELRLKLNKAQIKDEK
FVIDTKEASFDTKAVSKCYNQMLDEAHKFLSKKE
>comp16122_c0_seq1; 261 181 1074 LEN=1143; translated
MRLIIFNQLVLVIALCSLLYPGN SHMPVALAFDISPRLSTPRHRITATEASTKSSVPIRT
ATAAEKTIGCKEAHTIRNTERS HCKYDLGLGKNAPVVSKTLSRDQQGLPNSITDVGVNG
NPSSYEVTRFLVEHEATR SYAPRTTDDHGLSLVSQQKNHAVIGKTAPKLEISTTIPKE
RNASQHHLLIDSEVTRKQLSTMMENRSRKSPETTLEKRNSCHKQQKRSIARMQPKPKRSLE
DCLTILDHEVTASKSSVPATMNSTIVSLPNTPQLDMNSIWVEMLLHNQMALAHQSNN
>comp16123_c0_seq1; 406 226 1197 LEN=1219; translated
MHRFAFPRGSPAAAGLLAAAIVAALAAVSSADDYSVAEGHGSLLAAVGCFCWCGEQAFEQY
APGVVEVVS GYAGGTNDHPT YRDHPGHYEVVLVEYDPEKTSYEVLANAYARNMDPLDGGG
QFCDRGSSYYPALFYATEEERITAERVLTEILESSPDWGAEDIEAQILERPKFWTAEYH
QDYLLKNPANYGFYKACKRSERLKEVWGEDTYECYHDEELSCFLEETDADLASNQTDAG
GGGENSVPTVVNERGEVVA AETNAKNAPQETAGLMPRWAI VVVS VAGASLVVLGLALGLF
AAKRGHPGKTNGAHAQT TAEHLG
>comp16124_c0_seq1; 259 1 1003 LEN=1491; translated
QHKIVRTSRHGLFCRLQNDQEETLHYIMSDAMSLDKQRTFNSRIQDQQLPTAPSLQLWFW
LLGLSSSSK RMSDTNHYYRWHENKQQQQRVPSACYGWFENLFEPKSSSESSESARQLQYP

EQYPATYELNILYVEEDANIPEAKLVRPLLKNTQLQSRALQLVYDANRDGWNPTAFHSAV
DGKGASVIITTDENGRVCGGYNPKGQSSSLGGARPSVAAFLFYERRSKKNEEEPTRFQKLR
KVGGGGLACARDDPDFGISFGPDSLVIQLQAGREMVAQSKLGSYYERGPEDLPSLFWQTG
GATELIDLKVLVGCYDDDEDIPYSGGVLDMTSG
>comp16125_c0_seq1; 433 94 1056 LEN=1413; translated
MSTKNKSSGMFSGEYFQVQKSGLSQFQAMSAYLGGSAFQTIMDNPVTSYRQLVQQYAKDL
NGKVVDPKVASQEAQAVFRANPVAASLSGVGPRLVGVGFKRIPKFGVLLGISFLMGNGEN
PGAVAATGASILSAPFINPIRMIEKQRAYFKQTGAAKPIGEILREAAAQNFKPLFRGTI
PLMGHSLASALLGLVQPKLQKYIQQEIGSKTNMGRTLTGLIASAVVSPYVVVVTNPLSR
LEVIMQTSKISGKSISVTSAIKEVIRDSREFGMRGLFRGQIGIGKAVISLSLFFHEGRHF
LQDVFKNYNIQNGYEEPSK
>comp16126_c0_seq1; 718 126 1472 LEN=1636; translated
MVFRFTTESRLLAAGMLLATAATTTAFTAPVQQRHQGLVGSIAREPVADYTRTSLAAESSD
DEEEKPVNYPYADPNYPELEFVNYDDPEYVVDQGTGDEFFDTEAEVEAMREDRVRNDEYQ
FETYYKDVLEKEGKFKGEWIVFQTSTFLDGETDAGGRPRLSRAAGPFKVISRGERVNIAG
EGDEPSENREYERIVHHEKIFNDPDDDEEISEEWVQQQEASMNKFWPDQLCAFDLFRGQ
QGNMVGNAYSICTATPLVDSQEPNKGPIATYGTVEGITSDDDVRFRIKLEYSVTDDEKA
TDMPPHLHKSFTICRETLEMWPRATNYRSAIEAITQDALFGPRGAQQGLYDPPPVGSEEQ
ASQYLLLDLEGRATVLLPYLMNQDPDVHDGMGWVTSLDWTPSAQRYQVDRKVKAGKDILG
LKTLELLETVQSADAETYRPTDGGANMRQ
>comp16127_c0_seq1; 441 393 1964 LEN=2615; translated
MKEVATSENSRQRRRRRSPSSCSKKTIVRKSRSRGSFHFQSPRDRVQFDVTLVCMVFFLLY
STVNDAPVLVMSFVLNDCGRCPKCGMIPERQQRKTKKIENVNLLPHLSAKSKQEFQGN
KDDDGKDSFFGSFFKENDKKKPSIEQDDETSKGVPIVGRFFKSDEEKEERKRLKKKEKE
KIKMNQKEKRRKERQPKQEKRSKIMPAVKNYFEERQIRKDAEVLNRNQVKQREKAERAQA
EKDAEELRLEVQKREAKRQKQREIQKLSLAKSSTRKPANTRAQNSVVRQQLVAQKELD
IKQKERRDQSENENDNKVTSSKSQRFGNAMSAAQKQFVSGVFENDQKKREEWIVVAPKTRI
SPGEIVAVTAGGIDLLLVASKDGSVAVHCVANSCPHLGTPLVGSLELPIETSSAAPSSN
FVGDSSTDVQKPKKSSSFANENDIARMLKEDGCEDCIVCPLHKTAFALKSGEVRGEWCP
YPPVIGKITGTIVQQSNLQVDFVTRTKGKNIEVRLNTPVEISDN
>comp16128_c0_seq1; 228 1 425 LEN=753; translated
XAAEAAAAAAKPKQTMASVSTRAKALVPLLRSATSSRASTRAMRGGMSPMPAIARIPAP
TENLVENHDCLFDDACAPELALDFDSQNVSTGEGFLFSWLLAIGAYVSLFNVIKYVQPEV
ENPAVSRAESDDICIPVEHHE
>comp16129_c0_seq1; 478 55 1824 LEN=2035; translated
MDSTEEMAPVTETEVTCDYLIIVGAGTACLSFVDTLLDLRNDITFVIVDRNSDPGGHWTKA
YPFVRLHQPCSYGVRSLPLGKLDKNGKEVYDTERATAKEICEYYEKVVKNLVATGRVR
TYFNSNYEGEATDTDGSIKIHSDPASKVTHIIRNQNGLIHKCTKLRSESNVIVPSM
RTGVFPFVVKSVVNTIPLNELPKYIGKTQKYLVIAGKSGIDALIYLLEDAKVDPDQIT
WIVSQSAWYFMRDGIALTTPKPGKSFWKNATKVFPEPLGAAKSADEAFLLMEKAGSLGRVH
PDDGHFPRVFRGANMTYTDLANLRRIKNVLKNMGRVTSITSNEIIFQNGAHSVFPSPIDT
LVVDCMTEDTYGYFSFEEDFQFFNPHKIRLGPVAIFNPSHTSTMIAFLEAEFSDSAAGD
AVKNSFCCFPGRGRELKKNSTQQLMLFYFYESKTNLNFYKPYSRFVLGDRTDMFQPDH
HGGLLGLLWAFFGPTKLHKKTEFVERMENGSLDFPIGTLTGANEVDPEKFKAVKRKIP
KVASSKSTTANAKKSIDNGDLPKPKKGLGSLFCRTADGIQTNMHYLF
>comp16130_c0_seq1; 673 1 1227 LEN=1542; translated
MGAMNGMGLGAMNGMAMNGMGSMLDPFHQDAYGAMGASADYLNQVRVLDLGGSSRLLA
LQRQQEAGMVGMAQAGVFPVGVHPNMVGSFMDRERLMDLNLGYHTREQLAQAQAHEKLLL
REQLQHRQLQSQQLQNGVNLKRRAPARKKTPNTKPRRPLSAYNLFFSEERERILKEIDE
KAALERGEDPKKEGEEDADNKDKTSDEGDEKSSEKKSDEASKEGDSKKRIPKAFRLRPL
LPGQRKRRARHKTGKISFRLLAQMVGARWALPDDDRKYYQDLAKEDSIRQKEAMKEYY
RMEQRQQDDPTGESTKVEQVKAVSSESAAAEATASTANKVEPEPMVETKGDENEGTKEE
KSDDENADTEEKSDNDTMAVDEPEDQKKSDDDKSEKGDSEGEDA
>comp16131_c0_seq1; 953 247 2115 LEN=2300; translated
MPSQSAPTRLASFLTLLPLLSFGVAASGECQNEQPLEFRFFTDNNSWKDNGWTFLECTE
HGEGSSPKLLWQTPIGSLEQQESTEVIRQSACVPNSSTCTLHIYDASGNGLTGGNSDND
TGWF AFLHGATTVGTYKNLENPSFSELYCVGPKCDKAPQEKQINDEDCQDVVYLAMQLD
NKPQDTTYQLVCGSDETVVWNGSGFTEAGAYVEEETCLPKDVCCRFFVVTDEDTQGLTSSI
DTSDPSLSDGTAEGFIYLERNFVPLLEYDYGSTGTEFKILSKTFGSCSSEKTSILDQEES
VEQNTTEEFIKQKPNIPVVPSEDEDADGKEQGGDSTTLGNPTKIAEEDINEHTGERESSDG

ESSIEQYLNQFYKEKEQHTQEEATQKVDNQDKDVTAAEEYLTEFFAERVKSDEETQPPQQ
EPQQKEQVTAPEDASSDVSADAFVDYENFQYEPFTDDSLVSNQYGDFTDDLFDDQLFT
DDVEIWNTEPPTKGRNPWDLYDDVLKDDDQSWAEVDDIEEDLAWTKEQLSELEKLVHKAD
ESLPIQQEDEGLSLGAKIGVGVAIPLLILWSVALVLYFFRERLMERFGETTDDDEVLEKAS
TGSEDTYSQDDIRSVSSLGEAV

>comp16132_c0_seq1; 361 741 1724 LEN=2055; translated
MDGKNLEESSKTDVDLALEMDQSCSSSDNEFEAASLCDGVS IATNGSCCSYERAASCGVA
RRIATGGASDRYRGGPIRDEDDNHETLGEPPMVLVPEKADPGGRGNTGTDGRGFSTRPP
ARTKSGEGLVQRAERQHVWKNPNASSDADGFGCDDGCDEYVPLPRSDDDDDNEQSRPAS
RRRERSGGRRRTTVHDEAYREAALKRNSARRQRSSDMLGAMREATRNLALSPPQTLGRE
AEGRALGGLRRRQPRRSGLPRNSDDGDDPDGNSDEARQHPVVRGVVRKPPARTKSGDG
LLPQKGRSSESQGASSPPGTSAEVEGL

>comp16133_c0_seq1; 1640 174 5045 LEN=5239; translated
MREISSSFVLLSPSTTSRDPDGINLPEDYGTQLEPSGTISDEINDLKGTSP LGTNDGQ
MMFDMKKI IGLPPPPPKSKPPKKEKVRRSINNKPNSPSLTVGSSTKQKESTAVQKTRDA
NFTISKPAARFTSSSLRAQNIVEERHQFNDVIVPDESNDPGEKDLKMESLGEMTVTKPRIE
SLEGGKSDAKQQKRAKRGFFKMFGGSKSPENTQSGKDKIIPSVESVAVDQPKPTTNDP
LPTTLRKINEATSSVPSSRSSELVTKERNLLKNNFSFDADDVKS LKMEESVSAISEESRR
KFQEFSLDPPDDNDGPPPEFSGRPLGSPMYMDTTINDEEEQMLRDTVRSRIAEVYGDHEQ
QLTIESADADLAKSLEEECLRVETSESRMCPAGASPIEQYTRGKHVVGLDSGDPQGDTP
KARQNSRILSNPDAGVSLCHGSTTPKYSLKPEILSPNVSISDSISESNFEGKAIDEEAQQ
SIIASEDHLKNQEPNHPMTEIVEGPVSDTILFQKDTDFTGKAEIDSLVPGKEKQSMITP
PDRSNPDGHRSSKMSLSSVVLKKNNDENKENLIAIEKSGFKSVTNIAADLTVSAAAFN
AKAIAYIHQLQGEPSRPTYHANHSIAPPLENPAALAKIRAFCAKKGIRAEKQATSK
CPSPNEYSANAKIQEELKGPQKRNYVTHDPKKKFAPYSRFQGRRPRRKNENDLEFSTD
DSLQQLSPKPNDTQFHIDLSIVVPGNNIATMAVSRGLELRKKS PERSGEDKSSKMMVERS
RFNFFPAHESEIKNPIQRAGRRLLSKSAVPIQAKFRMYLCREALARMWGIIRIQSYFRR
WKCEGNLRAHKNVLLVQKIIRGHKHREQMKVKAACATSIQKIVRGYLAALQAYETIYFV
TRAQAVARGYLTRTFVARRNKAVLTLQAFFLNALKKKNQVAIRIQRFYREYILRKNERRI
QRARTIIVQSVARRWAACRNAGLIRKSVYTHAITKYQALWRGYADRDRRQKSLAAEKLO
SLWKKHIAKNQIKKNMAATKIQASWRGFQSYSDVFVAIVDILVVQRTARQWLASRKTNKL
REERAATVQLQSAWRRKKAQFNLLYSLVSVIIVQSVARRFLTKNELIERRKVRDKSALIQR
NKEVAATTIQKSWRGFWGFSHFIIIVKYDVTRI QALVRGKLARDEFNFRVGCAILIQAVGR
RFLAQKILAAARTTARSAADAVGSVILASRAFELRERNESAKQIQFWRIVMDYMKKKAAL
VIERFFIFVKSEVEREQAMEQERIWREKARKKQKSLKGFVDKRSNAADTNRPEVVNK
NGRSKSAQRSRQPKKLAPNHSSYESFQDIRDNGFVDTSRDMDPMPDFLQLAPSADYMI
SNLTNPTILDQYVEELKTPRTPKYEEKYEVKARPKNMSTDDYIKKYSGLQTAANNKS
KSQSQHFFCGAGNFNDRRGERQSYDRTLAINAKTRSKISASRNGRAQIGKPVSLSTVGLD
SLDRRGVMVPSTPRSRSGSTTPRGVLRCTCKDGVPSQFRPPVTPTMKKSAAIIRAGTADTE
CSTFDNEKMSIPSRPSPTRHYSTHSCGGKGMIMKTNPNFMEDNKIQEAHEVMLLGEY
GEV

>comp16134_c0_seq1; 295 1 754 LEN=872; translated
XDFSRRTSTTIAAHNYSSTDTQEI KMKFYLASILALVGSSNAFAPA AKQSVQTS LQSTS
SRGEFMKQIATSFVIAGGLSTLAPEPANAGWATGPGSAVIDPKESIIDDEIFRTAPVQKA
LKAVKNYASTVTEMKKALSANSQVDLKPVL RKEFEFSALRSDLNLTNTAFDEDTQRGTDR
LIRVILQDLNELEVANAQKEGIPRSDIRLAKMNGKLEKLQTAFTLLQFSPA AVEIKAPE
PPAPAPTTEAV

>comp16135_c0_seq1; 480 71 1507 LEN=2010; translated
MTSSASASADPGIGLPPRVEDSDMSGSLDIPGNCLYGCQTQRSLMNFPIGGIESKMPLQIV
YAMALVKKSCAEYHAEIGKMDKAVAGAIQAADDEV MAGLDNHFP LVI FQTGSGTQTNMN
VNEVLSNRAIQILGGEVGTTPVHPNDHVNMGQSSNDSFPTAMHISIAKMVTEITLPLGLK
ILHASLKKKSEYADIVKIGRTHCQDATPLTVGQEFSGYAQQVEYGIHRLESALPSICRL
ALGGTAVGTGLNTKIGYDVTIAERLAKAAGLPFVTAPNKFEALAAHDSVVEVSGVLNTIA
CSLNKIANDLRLLGSGPRCGLGELALPANEPGSSIMPCKVNPTQCEAITMCAQVMGNHV
AVTVGGAQGHFELNVFKPVMCANVLHSARLIGDSAKSFTTQCVDGLTVNEGRVEELMNAS
LMLVTALNPHIGYDKASEIAKNAHKNGLTLKEAAVASGYLTAEQFDEWIIPRDMTGPK

>comp16136_c0_seq1; 287 209 676 LEN=969; translated
MKSPSTLLSLLAFVCLSFSTTSFVVRPSAISQSQVTSVAPTSSSTSLNVFGKKKSKAQ
QEEEA KAAMYWEGEWVCKDCGYIYQRSE CAGLFFEEQGVGFRCPQCSGPRRRYAKKVG
RVGTTLDGGDAPILIFSFGVAATIAFGVWAVNNL

>comp16137_c0_seq1; 83 1 271 LEN=1252; translated
XYGRRGYGRGGYGYGRGGMGSFYGGRGYDDYDDYGYGGMSYNSGVNTRNGRSMQFNSE
YGGRNLYNGGYGRGGGYGSSYNYGRGGYFY

>comp16138_c0_seq1; 173 50 391 LEN=441; translated
MSSLAVAKSDDLNLKYKLLRGCQKYPKSKNRDKILQSVREEFRENMTLDPSSSEKAKEQIHV
AFKGLSQLHQFDNRSSASFVSLEQNPFKPDGYVDKRTIAVDKVL EENS GKQ

>comp16139_c0_seq1; 299 1 1147 LEN=1170; translated
XARRREGAGQNNRNRNCYQAYRPSHSHIPKLVVSKSSAARKMPPSIPPHGASADGATTR
LPLLR ETNGTQQSKKFARRSSSRSSKVAHSLSSSTVPERRGSAGSSSTPQRSNRKKLL
RSNESNPRRTAPSHASRRNTMTNEARAGAVSSQSESLLETVEAGDGTATTHMPSSVDSM
GLAPYGGMGVSPYGLHGGASMMMPPSPYMGLGMGMGGTGLPYLSGLNQIVYVQNI VFS
ISQAIYMGANQQALQQAWESLNQMIDHAIKTFHEMRALECIEREHETEEEEKQRKRKRLKA
LRYAFVFGGWLVYKTI RNLLFRKRRLRLQRHPTQQQYSPAGSNHYANASMASPNTTALL
SYLPQPSAGYPGNYSHGNGYY

>comp16140_c0_seq1; 238 106 516 LEN=743; translated
MARTKQTARKSTGGKAPRQLATKAARKSAPTAGGVKKPHRYRPGTVALREIRKYQKSTD
LLIRKAPFQRLVREVAQDFKSDLRFQSTAVLALQEAEEAYLVGLFEDTNLCAIHAKRVTI
MPKDIQLARRIRGERA

>comp16141_c0_seq1; 1510 93 3014 LEN=3056; translated
MSEEQKELEWPMKKVRSFTFIEFFEKKHGHTFWKSSPCVPVDDPTLLFTNAGMNQYKPLFL
GTCDPSLPMAKLKRAVNSQK CIRAGGKHNDLDDVGDVYHHTFFEMLGNWSFGDYFKEEA
IAMAWSCLVDEFKLDTSRLYATYFAGDEMTPPDHEARDIWLKYLPAERVL PFDAA DNFE
MGATGPCGCTEIHYDRIGGRDAAKLVNADLPDVEI IWNVFIQFNREADGSLRPLPAQH
VDTGMGFERLTSILQGVDSNYDTDIFMPLFEEIRQLTGAPRPYGGKVGPEEDDGFVDMAY
RVIADHVRTL SFAIADGAVPSNEGRGYVLRRLRRAVRYGRQNLGAE LGFFSKLVPKLVE
IMADTFPEIKEKQDFI I SIVKDEEESFSRSLDKGLQKFKDLAAAKAEQGEKAVFS GKDA
HYLYT TMGFVLDTELMAEELAMTVDMEGFEQKMKEEQEISQAHLAKMAGGSGKDMRMV
AEQTSHLVNTLKV PATDDSAKYVTD AVLEGS AVKALF IGRGETEDMIGFVDSVTSESSTV
GVILDKTSFYAEQGGQIFDVGSI ISAGGATFKVANVQLYGSFVLHLGEIVEGTLSVGDV
SCSVDYVRRRPIASNHTMTHVLN YALREVLVSRPTAAGKAPSGVNVDQKGLSLVDEFKSRF
DFSWNAQLTPKELADVEAICRERIE TEVPVDA YVAPLADAEKIGALRAVFGEKYPDPVRV
VAVTPSPITDILANPQDATWNQYSVEFCGGTHLTNTKEAEAFCLLNEEGIAKGIRRTFV
TCNDAKAAIAADEFEKKLDAAASKLEGGDELEALVKSLTLECDSLVISTVKKTAFRETIA
GFLKKVMTWKKKRMAGMKDEIATKAI EAGEATEGNKV VFRDFGCDAKLGKNVATAFTKK
IKDKAIMI ISADSDANRFLVLAMAPKGLDVDC KAWCMGVTEGTNGKGGGK KDSAQFTVPD
VSLVDSVMEKAKQ

>comp16142_c0_seq1; 221 1 695 LEN=1100; translated
XSTTTPLKSTITKQTTSNTTTPSDTKLNLNEVKMGNSSSSSALPALKTIANCDTKRFM
GTWFVVGKPTVLETTCSNAVEKYTLLEDGNGNHDIDIDFKYNGNEDPLDEKNKVKSLPQ
KGWIQGDKSKSGEWKVPVWPIKMTYPI IELDEQEYSYAVIGYPSRAYCWILSRTPMTD
DLYEELGKKLVENHQYSLEGLRKVPQKWTADERTKRGLTADEL PDSFLIN

>comp16144_c0_seq1; 507 76 1509 LEN=1776; translated
MATHHDPITGIPAFHYLSETDDRTPLF TFTIPSSIARVMTVEGTERPDIAFGFLMMSLSY
WIELLVLVFAMMSLGAFVGLLLHHAVIKPKQEGTTKAYLVGWGIVLPFWSVFSFLVVEIF
DARNMIFKFMGCF TVVYFFRTIETICGFSPEYVKGSASDFCFYYATIPIMARIKAQKAR
PPQKKTREDGTNATTNDDGSDLI THNGNIGDQIPCTSTKILKHFVTFTFLLLALGLLQS
ILSPFLDFALFRMESSNEDVASFCAKESCFTWRLYANSAIQAFLLQMYLTTYLEALTF LF
TAFTGYEAEPVMDNPLLASQSPSEFWGRRWNLLVHTVLKNGVYKPIRKTCS SKTAAVIST
FLASGIFHEWLLL MVFPNRFVGGNQHHDGSEKNIYRLEFGGTTIFFLWQAMLIGFEMTLG
KSQLFQRISRWVPRPKTAFVVG TGIPLAHFFLEPYVRSDFFRHGAPGLPMVILIPK

>comp16145_c0_seq1; 192 390 932 LEN=1289; translated
MFYVKTL EHEIVLQPSYFGPKLKATIVRLLKEEVEGLALAEYGFVNVNIEVPEDQIKSGI
IEYDTGNVVFHVKYTALLRPFVNEVLDAVVSQCNTLGFFAFVGPLRVFVSKHSMPE DML
NGWNPDKDSWVSDDKEVVISGCGVRLRIKGR TVEQGNITAGTIKDSYLGLVSEEDDEE

>comp16146_c0_seq1; 212 76 1153 LEN=1320; translated
MPLVLVLLVACLCSIPYRCQAFLPAPVSVRADAGAAAPLRNFLSDWLGSLQDSMNTGGSY
NLGIDYEALEYPGPEVGKMALEIAAGERAETTSTSTSSSTPRDGGFVSSLPRLPSDPRLE
LATLAGGCFWGLQLALQRTEGVEVTLVGYTRGPEARPNYDMVSAGNTSHREAVLVGFDP E
VVSFGDLLR TAFLARVDLSQAGGQGRDVGDRYATGIYCHALEQEEEAARLLREEVATNPR
YRGRSLATEVAPAAAFWPAEGHHQRYLEKGRFRGPQSAEKGC TEESGATARPKVQGGSE

HARAGTRRNEETKHKDKPNPNTNQNKHKPLVSGGRGVRAPREPTRAKGGRESNKEGSA
>comp16147_c0_seq1; 278 140 838 LEN=991; translated
MKRHLIPQCQRLGDNQYMNNKFAILGQCQPLVNERNGRENAKRQKLSKSHNEESLHPTVT
PLPTKPDNEHRMVALLSAMLVFSNEQEEEGRPKEDAQDEEQSDGTTSSQSSYDSLTDQDQD
KKTGARPAASTAPLAITSSTRKKRSVSNENDIYKSYQMKPISPSTNNCDIISYEDIATN
GSLDRHHGHYLPAPRLPTPTEIFPLIAPLSNQSIKNCDCSSYMTTRIYGAK
>comp16148_c0_seq1; 392 230 979 LEN=1220; translated
MSEEPPLKKKKKKPKPALSQISVDGDDNGLSVSTSEGRNVNKTKKSAAPEMTTS DGN
DKGDNNAVPKKKKKKLVQSPSDPVGKRNHYNKKYREHNDDQDRSYDDRRNREYDDDGDS
FDDRYRHRNHVAKDYRKHDDDGMSSEMGGDEPMDEYGREYDLSDEDEDEEPRFKYSTADL
ANSNWRNSTCCLITAGIFFVIAVVVSVMMAKKMNADKQRFLLARQHHLRWVHLPQANVD
LPAQDATLP
>comp16149_c0_seq1; 140 1 391 LEN=864; translated
XHRQATTTNTDIPSPIFVASYKDQNRILEKNNTNLKTIAMSADEKAPDTGNEPITIRVRD
QTGEETFFKIKKTKMSKVFGTYANRKGVLSSLRFLLDGERIEPDQTPKMLELDDQDQI
DCMLEQSGGW
>comp16150_c0_seq1; 280 1 561 LEN=1072; translated
PHPNTILFSNNKNFVTMKVIAALIVTASTVAAFSPASFGTKSSTALREGEYDLDYGAKNG
YETASVGDGGQGFGARSPSNWRVPGTSPIGQGSWPGAADGGDEPWFAEAVSTVSLDLEK
AGETMLAF'TKEAAQFKISAFCEANGVEDQEKALDDLVLGALGYDKFLESSVKQLAKAYKKL
YPSEKE
>comp16151_c0_seq1; 276 1 873 LEN=970; translated
TSTNFPVPSPTSTDFVPPTNGDCNGSPALKIQLKTDNHGLETFWYLDESIAAGTYVIEF
EFGYGYESNTEYTLPSDDPNDAYCLKENTCYVFSIWDNYGDGMMDVGDHYAGFLNGVEIF
SGDGNFQFNRDHDFFCTGAGNDGPTIEPTSDVINDDPFLPTIEPTTEDPTSFPFAFPTFSP
TAFPTSNPTGAEGCSDDPAFRFKGREKKDCNWVRRGNAAKVKKKCNKKHNRIRIHEYCKE
SCGKKAGVGVCGFLKKKKKPRNKNMRRMREMLELAKTEGRAMNRSHK
>comp16152_c0_seq1; 103 318 677 LEN=730; translated
MAGTAGLARAARSLGLPLSSPAARSVPRRAFVGTPLGSLPMKAGTELESLSIFKQPPAP
VVAERAEYPSWVAELPTPQPSLAALRKIPNEEADLDQIKRYLKLTRRQAVRQRNEESAA
>comp16154_c0_seq1; 389 189 1256 LEN=1495; translated
MRPTARGILCTLTVSIAMTLPTTTALSAGAPGQPPPVVNKAPADAAMESTYQRLAERAV
GLYRSKGKTGLDGRCWIGVAGGPGAGKSTLAAVADCINGCKWAAGEGAQNNSNSNSKNE
ENASPKAVAVPMDGYHYTRAKLAEISQTYEPSYDDGSMGMSRRGAPWTFDAEALARDLAE
AKRAGSASLPEYDRVLSDPVEDAVRVEPSHKIVIVEGNYLLLGLLEAELDGDGSGSRKP
VEGSNLSGIWPGVRAPFPVQGEIGRWKKTAELEWDETWFVSPDRCSHDHDKTAVEIQDR
I IERSLETWTD SKTKAWGGGTDREAAVRAEFNDVFNARLVNCCRTYADVIVDSI
>comp16155_c0_seq1; 202 70 1098 LEN=1423; translated
MESDSFITGTETHSVGRVEKSARHGVAEKTYCPAAWIGSAMTGARIVLLPVAILAVSLLA
FHASFNSTAVFSAVANNTGNNEGAVLVTGATGRLGSRLYLSLKQRKEIQQRKMKVYDE
VAIAEVRALVRDRAKARDILGCEACDESEGIYIGDVTQDGLSAARDGKVTVLAIAAGA
GPGVSKEVQRAVEFEGVVNSVRAIATKRSGTASTNGGAPRVVLCSSMGTTTPPSTSRIGD
ILFWKLNAE'FLSTSGVSSTTIVKPCGLKDDIETSAAALYTGHLDEPSEFHTVSRDNVASV
MTEAVVMTTSDGGHHRFDLCSKPGDPTTDFKLIEDSRWEWE
>comp16157_c0_seq1; 1406 464 3835 LEN=3963; translated
MSLNHRMPAIF'TALFSSAAVLTAAAFAGASCFLIRKGSDDDDLFLSSTGSETFGILCEHD
FYPREGDKMPELSRIFLILSLTLGSVTAALAWAVASFLTPSNVSWNGISVLAAITAVIQV
PIFVLFEAEP'CVAGDADEGE'GDSFFFKTGDASCQLGSGSYILMASDLLYVTVTLITQCL
DRPRWKL'EMDLWKVGRGQSRPVSPVARNDEYYYDRDENYADNVRLTGRRASNRSAAGGR
DDYYGNSC'ILPAGKARRSHPDKPVGFFAKLFGGSSSPDDREVP'GVPTHMSAEEDWDYE
NQKSPD'QS'LVLRIVTTNDGGRGSPVSSSPTSVEGQEVSIGAF'EKIKAEEDLRQYQVQEE
VVQSI'GLNAIERHQLIDSPNASFCGKDSIPLQHTAVVSSVNDILEDLHSEELGARRSKSS
GDVIERNASSDAVVEGVRKLSK'KLSADSKRRSMK'KLSIRKPNL'FASANTGYALIDDEES
DYSYH'DGNDDKNDHFLGLGAHDYNYKTDQKTLQEL'SVMSESTYNPDEFLPQATPESDG
YAGANNLQ'MDDVSSDQDDLDDEDDIALLASAMDWQVDF'VPGKTS'PDNTTNNPFDCISIGS
THSDPG'PVSVVNESFEDV'FDFSTPIVLTGGGPEEGQSSAADEIFKFSSIDDGQWESEFAN
ESLLASTDDDYEDGYENEDEDDTYLDSGSEEQRGRSSGRYDGRRRRRPI'SPVGSIKSNGS
LLHTI'INEETEEDVERELGVDS'PYP'IKRTLSCPEQRSFTGPIKNRKEKSTKELLK'KLEKL
KRTMGD'GNAIGSRNRS'LPPRSPREVTNTANR'PSEIGSTSPDTMDEPESVLEDDL'RDSDDD
SDSSVLSEASAGNLI'EEPESPIDEKQCIAPRSLEQSNPSKIVVPTTKPLKESDPNLLPTK

LPTTTKPRKKLILPNKSTPVDRSLDISDETSDTGCTRSTISDSGSSSESGSEAGPRQIRS
KSMGRGRRTKKIRNLRASSLSPTRSTISVDDTAMRPANISSLARESRIIRRLQRRKGYLP
LDNDNSREMPSPRDPYSTNQSKDDDDLELTPKRKTVGLSSAHEEAGTDSIASVMPSDLF
QPSLDDTDESCPEFDNILEQLDLQLIDLNRPVGAEYGDDEVSL
>comp16158_c0_seq1; 217 110 622 LEN=725; translated
MSSSSSSTSDDKYFIRVSEDLPTLDECSRFDVNDSSCGAIATFTGTTRDNFQDKMVTQLSY
EGYVPMAIKELRGVCDDACKKFASIHKIAAVHILGDCPVGKASVILACSSPHRRDALHCI
EFLIDELKARVPIWKRECYEGDEGSVWKENVEWKEGRRRERVMVKEEGTEK
>comp16159_c0_seq1; 136 1 757 LEN=913; translated
XLPVDRSIEETSISTTTSTSFDLLASNMFVKLSAIDTRILVLVNSILPYRTLLCSLMLL
KMLSSALVDEAAIAFPFGNGVRADGKCAFDPDLCQGYAAQDVGSWYETIGRSGRIRYLEI
VALDFAVLIPMYSLFLFLEISMLARTIPTLVPHWLSLLPFVAVAFDMIETSTHCYGVARL
AKVDLLGGLPWPLVPSSGWLELASLATRTRKFKFLLLSMVLAILGTTASSFAYLSGSTPQS
QTIRDRKQDKQN
>comp16160_c0_seq1; 334 108 683 LEN=1283; translated
MASVDNAKALVQEQLALLRVKLDQIPALQDVEDKVKVPKEVLVLAGSFLFVVLVFFGIGA
NTLCSFIGFIYPAHQTVKAI EQKNKGDDVQWSVYVWVLF SFFSLIETFQDFILYWI PFYFA
FKLAFLLWAMPLQTRGAKFLYDSFLKDFLKKSSANSMSRIDTAMAEAKKSADTTASELVD
NVSDLGTTKDE
>comp16161_c0_seq1; 860 365 2605 LEN=2681; translated
MAGEDHRYAVDIRVFSVIVVAMAVSFGVGVGLGPAVQTKGMTQNQDLPSVTSVEVNQAE
SLLAAQAAADDGELHEPAGQHLLVDIKGIEAAFLDSEERLAKAMVDTVNEAGLTMSLYHC
HKLIPKGVSCVGLLESHISFHTWPDEGVITLDFTCGNNPLVPAVKTIQDLFGIPREND
TISMQWSHELGRFNKDKVPDKGNDNYAILDHNSDLSQM VVSPIDCPVKEQIISKLTQFQ
RVDIWDMVGLEETPSHEDALRHNLPQGDPRWNTAEVVSPTRMLFLDGILQSESSSQKEYH
EALVHAGMF SHPDPKRVAVVGGAEGATLREVLKHKTVESVTMVEIDDELIEISKTYMPFM
SDCSDYLRSSNCFDDEILNLVTEDAKEWFMERKAEKEEFDVVIVDAMEPEASAAISKDL
YDTAHLEAILNSLTSEGIMVIQIGRAPTILDRPDIGFNAPREELFKNLEALNAVEAMFV
YEDPHCGFSEPRAFMIVCKSESCRRLFYATSDQIDYEIYSRIVKTHSKVRALS YFDGITH
LGYQVAPKAWETTYCRREPTPFECYRHLDFKKPIFEFNFEESEENPFKVTADWEGEGED
MSISSTHVFANTDIPK GAYIMPEHLASSLSLQKAIENLKETTEYGGVSVIEDFVTFVEK
FGHESKAKGTERTLVEIGASYLIREVEKKEDANIGRWIPSHPDGRRPKYSPVYERHRLSF
DVFAVATQDIPKGSSELLKYKGMWEEP
>comp16162_c0_seq1; 375 1 641 LEN=722; translated
XERTLNSLPTNHDNRNQEQTKNNNNEKMKVSLCLALAAATAATQSNALTTPTDRRGAFGQ
LLGAGAGAFLAGAMPQAASAAA IKTGGASPFTGDYNDPNHPECLRQVKVVGAPLKG DTR
SPYPVIEVVG YDGKGGKVCTDRPTREDLWKVVTGTVKSSDSAFIDFSPKGGPENLAAKYQD
GGIVFPDGNKWKVARGTPTRRPKDMSTLKSED
>comp16163_c0_seq1; 410 1 630 LEN=748; translated
NNSNSNSENTREQQIRAANKRRKIVHDSTSLSSIQAGSKATVMKNNKLAMATFGTTSDH
QNLANNVANGSHSMHNHSLKXQSI CEFLANAERIAVSTAAVDIACQEYENKHGKQQQ
DTNGVFESVDCGEARSNHQSGSTLNGSGDNNFHDAIANDEKLVQAI IANDDRLNKEVGE
LFEMDSFLRDEVDDEFESDEIADCLMGCM L
>comp16164_c0_seq1; 423 161 1642 LEN=2016; translated
MTNFSYIFWGFLLTLCASVTFRSSDYKNCSEKGLTINEDNGISDTAKKAHTKLLKXYMF
VYLLATLSDWLQGPYVYALYSDYGF EQHEIAQLFVAGFGSSMIFGSFVGLADQGGRRLF
VILFAVVYLASCLTKHFKSYSVLMVGRLLGGVSTSLLFVFEAWLIKAHADL PKQCLP
KFSWAAFNGNSAVAIMAGVVANHIASSPMVPVSGNIYMGGYLNPFDLAI VALVLCASGA
YLLWEENYSSSSEGTQHGGES ETNEKKAGNAAWYAGLKNALTAALHNRDIFLCGI ISSL
FEGSMYIFVFMWTPLLKALEEDSNLPFGLIFATFMVCCMTGSSLFSIVVEKYPVEKLGIV
VFGVGAIAMSI VALELVSETVSFLGMNLFEMCVGMYFPIMGMTMKGIVPEDKRAAIYNLYR
IPLNFI VLSLLTDLTPRTSFTLNATMLVTATV LQAILSKRRLESRGWSESVSKQDVEPL
VTSDPVLVGD SAV
>comp16165_c0_seq1; 583 107 1219 LEN=1514; translated
MSASSGSKTTVTLSNGVEMPV LALGSAPLSTSNDDTSHFHALNSFNGFLPEQA FRSLHA
ALEADPGGAESQATPVHIDTAMYRTHPHVRQVLGNALATGRKQRSDVFLTSKV FHPNFG
DAFGSEDLGHCMPLDPKCEM TYDDVYK FVYRQFQQSLNECGVGYFDLVLLHWPGRNHPET
DASRNAQHRLAAWNVL EHCYSKGWARSIGVSNFSEHHL EELQSMNEAAKAKDKETNNTKN
GSVAVRPHVNQIEASVFLQHSKILDYCLAHGIVAAAYSPLGRGVTHVATNTVVQDIAGKH
GKDAGQVAIKYLLQKGYGCVVFWSTNPERIRSNHQLYDFDLDETEIAVLDGLNRS DGTGT

WGLLSPYKIP

>comp16166_c0_seq1; 548 272 1567 LEN=1836; translated
MIFNPHKLGVHKVLQHIPLNGLFDAPYKRALQKAVNIADLRTIAKARSHKMVFDYLDAGA
DDEISLRRGKDAYSELEMHFKILSGLKPPDLSTKIFGMDVNLPPFGCPTAGNRMFHWEG
EAAAkakasekfgtlyglsslattgieeigsihsgpkvfqlyvWKDRELVRDVISLAKEGG
FGALALTVDFTWYGNRERDIRNDFSIPPKYSVPQMMEAIRKPAWTYDFLSHEPYTYACIN
KEVPADSLAAFVNSQIAPEFDWDAEWLLGEWNGPAAPKGVCRPEDAKKAVEIGFSSIWV
SNHGARQLETSPATIDVLPsIREAVGPDVEVIMDGGVQRGTDIKALALGADSVGVGKPY
LWGLAAGGEAGVSKAYDILKVELDRAMGLLGTGTVDQLKKEGPSLIKRRGASIRDYPDRY
ALDRGYGGGIV

>comp16167_c0_seq1; 395 48 1622 LEN=1714; translated
MPSNEARWENSGAFPSREKGSsSNYSSRGDKIFVNDsFDGQFDTLDTVNEGSRETLSSSH
DGLMALSHSSSETPAMNNTTTVAVRNAVVRNALKkkkKVPsNNGCKNRVEKIYPYSVFRSL
PKRKQEGEGEGEEQKTKSAQKSNENSFGTRSPIQPANTVnkTEKDNLDHRKSERPPSLPS
PLISAIDDEISSVITDDNQEHEHRQFLYDYMAEGASVKPpMSVMSARSRRHGGGSKHHII
RHTLATTQKVAANPSNMKNLFSVIEEERHLHRLTAQHRLRAIHNLWLLFLPSILFALVAGL
VVFIFEADINSNEEIHIIYSSIFVGVLSMLSVFGQALCKQLDLGVKSSIHdACSVALKRLS
EDIQLTMSAAETIPAEYIALIGEKYQAAADSCAFMIPCKLEAAASHLSDRMNLMLRPPPT
AKSSQQQKHHLKQFDLLRIYGTAYDELtTEIINYPAPFFIIPDPRNVSEAAALRNLSIIT
EGKEVSRsRWCWRSTCPCVGateEERNLFDVLPsVDPFRSQQSF

>comp16168_c0_seq1; 165 128 514 LEN=1004; translated
MVATSLAQPGSSGSLAPPRNGPCPTNMPAATDDCSPtGGYTSCFYLNIIICKCNISGPWW
CDTVPiGLKENNETDVEDLDIVGGDESFDQDGFGEIDGLDASRAAATGSSLALLFALVS
MGASVFGl

>comp16169_c0_seq1; 156 59 226 LEN=226; translated
MKISIVSLLIGLTATFASEDA VAPVEVADEDRELNSYKYGYIWDGYYGSKGGKGGK

>comp16170_c0_seq1; 144 105 500 LEN=626; translated
MVFYECVLSTKHTTHFKALTALMKEVSLKVVENGGIIRSIQNHGLRTFPHRFKAKYPDYL
TQQRYYEQGRFISVYYDANPATLKKVENILNMNDQVLRVTHLKSRSKLDWINYRHKPNPY
VQKILKQDKEL

>comp16171_c0_seq1; 290 138 752 LEN=1225; translated
MNAVPTTSSTTSVSTSGSGLSTHTLFTPNVSSeSLSSNISTVPSHVGGsARVgQRQQ
QKMESLSQVAMSLMATGDGGIPQQFVTPDRCAQGYTLpKNLALITQNLEYISEEMKKNE
KTVTAASTQNSVASKHASNGMKNIgRRLAASLLNGDFDSVQRfLLADESKTISPRVEVDt
TTTKRAASESIPsSEPPSSRSRII

>comp16172_c0_seq1; 80 1 326 LEN=326; minus strand; translated
XRVQSSRVLSSRLVLLLFDGFVLLARTARQGTARKHRRPRFGsNRGFGGTVCCAALLRLA
KQTSRRRSCLEGLDVGCIaHRMSSRVrTYDRtIGKKYGTVPRALARLI

>comp16173_c0_seq1; 418 78 1241 LEN=1538; translated
MFLFDHNSPFASLFLALLLLQGTNGFSTTVQQORQQLSLGRSKGNAAGLILRAPLATSTT
GIRSPVLRPYCDGSSTRDCSELrATEDGEAEEDGEAEEDPERSSMDKKVAGRKKRLTMGY
QLASSAYAASALFSLGTWGGVTSSSLYYIFGGGpLTAaAILYILKGAaIHDRLGSDTYKR
LNIAMIAFGVIQLVAPTGDfPWTNGLMFkVpGLLSLINGIKGYGYGCLGWDKAKETtAVV
KDFKdGIQSTLQcMTMIKAKSAVYIVGTlIMGIMSLIKtKELVtMLLAPSETpVAYLTMF
VKLAKMARLGLVATIMYTLKdASDRDRLSGtTFVQlNfLAAAFSSIALYLLPTWGTASS
IGQVVLVTGIAATtFFKGLVNRKAKTA

>comp16174_c0_seq1; 146 180 671 LEN=870; translated
MTRAMANLTLTFYCVaIVSVALSCLYSTLAFVPAPRSPWFpPLPFHLYGNVGDGTGTy
SESSVLSRLEALEGRVESLERRIMQSGGGRDRRNHKAaAVARHTTRKSVATQGRRIEEIT
PTFRDYIQEGTpgYTNpFLSMGSKSRNGDDREIKFVTIQGSF

>comp16175_c0_seq1; 289 379 872 LEN=872; translated
MDNSSDCFQPRPQEHSLIASPQQHTKYQQQPVHSVYNTATPSQVGVVSPEQNSRFRSHVE
FQSQFQSQSHWKIPPLVRQDNNKGDcQTSIEGTDEDEELLFDIDeFLMEEGIQGYKHNGD
DtdTVNSQEDNINEDNATpVAMVIAQSPVPNEKETNANVNKNVNX

>comp16176_c0_seq1; 655 263 1888 LEN=2639; translated
MECVAADPDEtGAESVSVSSYHRFVDNGIENANEDVNKNGGGCEHECFEDECdQNGSes
EDEEKRGNDRGNKERCgWSKschCCFRCCPLHkTIPEPQSLCTQPCVEAGSVQAAAAAAT
ATRLSDRLTFLAPASpERSpGVWMLINAFMLVWSLSLGLYMTLLYWWYDKQgKRgAGKDA
GAYSGYNYVIDDDDDYYNYQYEDSSRASKETtTYLWVSLLTMLVWMAEISLRAAFPAV
DTVLVVGNHNRSGGPAATNGLSFPAPKQTEYRAMEETRDdSEDRPPREGNRGHdNDNDs

DTDHDRGGRRMAVAASGGTPGIPSDRSSGSSVHQHQHPAGNTRVALLPSHSIVTVVDK
VQRRSKKRTALIVTELFLAVFFLYRTVENCWNYWGWGDEGDGDDGRSSGSSSDGGLFFTML
EQQLDVWVGVLAYAYVYETYHAYHSSTASRRELQRSLSVPTALSLATAAGPGVVPQW
TGVPPPLYGGGSGSTSDSDRGLLPNASDVVAGVAATDSDSGESGTTVSTAVAAGERPPAS
Q

>comp16177_c0_seq1; 600 94 1296 LEN=1560; translated
MASSLTSPSCDDADAIDLFSAEASIDLLPLQSRNSLQPTIHTDFERERKSRTNDVRERF
GPMFCRYKASVTMKQKIENSITIHSTVGGDDDDDDINNIETALGGQQSRRRKVNESIEI
IKEKMMRLRNMEEEELAASEDRRENHLWLCLKQTSLQALGKIQRYSQIQTSDDLHRHRIA
EVGKEKNALNGKSSMVDELLAQNVRLLEKANDAERLEKELANASKLHHRKEMNFQQQHK
LDEKVAECNKLELQMKDLQDSCDRLKALHTQEERDLNFELELELVDLKGFQNGHLYSGK
NSLKPTHDPGTSPSIAATEPLTSLWTESSITSDRIIVDNDNSTIIEPSLSVIPRVMNRE
SIDSDPFVQNLMAKIEALTRENAELRHAKSPVIAESNPTT

>comp16178_c0_seq1; 417 1 1311 LEN=1826; translated
EKNNVKIVPLRSVQNEATSMQLEFANKDLYKFKKLTMKSKVIPFFSLLLAYAAAGQSLEEP
LKPANIAATKPCFVKGELIRTTFANLKGEGIWIGLYPKNEVKDFSNLPSFDSGTLKGWIL
TCGQRDNCDEWKSEGTVRFATDELGYEYVVTASGDRATKTSQAHSESFIVDAHCSEHRE
WRPATPDQQRSPCPFLNNTAANHGFLNRNGTFINVDEMANLEALYNVASDFLIQGP IEQM
IDCNQTYFDENGVRFDLDILFDDKCEEHEASMRADSF FGFERSKKVDDGLLNNLMRMN
HGKNFLTLENVFDFQADRIMDSRLVNPETEFRHFVDVGNMGAQAMFLFLSSDNSMRTVEK
DRLYFFLLDEKLPPDFEPGSLREVFPNPKDPADFVFNRLLEASMNNVETMMHTSIASALRG
EGR LHSDANADHDHGV

>comp16179_c0_seq1; 270 182 1408 LEN=1752; translated
MKG FV VSKAGDTHGSLKDDLPIPKPLPDEALIRILRAGICNTDLEILQGYMGFTGVLGHE
FVGIVAEVNSKSQELRKRWMGKRVCGDINIGCASCWVCTNAPHDRNFAGCCPKMSRNHCP
YRTVLGILNKHGTMAEYLTPLPLRNLHEVPDHSVDEVAVF AEPLAAACRIVEQNLVRYKDE
SGRVPPDKVAI LGDGKGLMIAEVLGREHTARLGSSNEETS GDS DN VNGSPYPQPVLF GK
HSHKLDLVRETAGVDCRSVTECIDASRFSGVASEHEHRYDVVVDATGSPAGLKLAAGMCR
PMGTLVLKSTCAAGTDGFNAAPLVIDELRVVGSRCGP IDRALELLAI PNHG RGASENGSA
TLQPLRAEKYITKTFPLSEAEAAIRCAAERSTMKVQI ICGDSNTDAKL

>comp16180_c0_seq1; 388 85 1734 LEN=1918; translated
MEKTLVLSIIVLIMINITDSITSSIVGPSLVFYVTEMGGTKEEYGMISSSSFLSGMLMMS
FYGHWVDQNGNKYKAPYTASFILGILGSLIYFFAIVMPKGRWAVYTI LMGRLVTGMGASG
RTLAYS YVATAI PHDQQR TTTVM SM TRSFGMLL GPLM NLLVSEVDT SVAVFDWLVVPID
RNNSVGLIVAFGEIILLIAMFLFLTDPPP REKSASRVSSSNTTEEQSKAGFREIWEAIA
CFDLFLPMATMFVFMFNFLYGVAI PPVGFHALGWDPVQISNVLAVQAI FLFVGMCVSMY
LSLKKAPDIYMIGFGNLCFIVSGTFTYLFWTDDAIAWQFVLPVFTVAFAYPFLGPANRSK
FTKAVHGRPELGNAGVMQSLFNQGFMLAGFISP NFVASYVLR RPEDVGLDGISDH ELP
WAWYIPITSTLIIIGLLYEEFFLEKNELGFLAEKEEIPASETSTLLEAKGTESKYKSIAT
RRRSSVVECTQAFSREFEVNRRASVEINGIPNPFETSDEIQLRDRLWKDKQEW EHLQKTD
AALEETEGN

>comp16181_c0_seq1; 203 64 1275 LEN=1674; translated
MNFNTAITNTPIPTPKLSMHDQFIPSKPAVSVVPPFQSYLQRAGEGDQEAMEHLIELHT
SGRGGAKQDIVELCRWMHCYLQVDRLTGRRPRNP ISTRCYLYAYGKFLLGSTTNSFPDS
QRRLLPPLSIDPRKGSLLLERAAHEFN CERSIKILGSELHMTGLYHPEVPQNF EKGLYWLA
RGVRNGNGKAAFDLAMA FNMGV IAPT NREVEKKWFEI GARLGCTEARDGLAQLRKAPVRT
QSEARKLLRHLGKEKNITNYLTDR TTRCSNPGCDMVEQEGERFSLCESCKQVKYCSREC
QSAHWREGGHKKRCSVLKYGKEQMK EANRNIALPFANICFNPACAKPQPKGVVFSICGSC
KVARYCSRSCQVIHYKNGHKGPCSTICTYIKEGDKILGELADT

>comp16182_c0_seq1; 127 40 213 LEN=377; translated
MVKQKNTCAHNNTHKAHANGIKKAKRTRFVSTRGMDPKFLRNQKFAKKYNGSKRVVE

>comp16183_c0_seq1; 165 88 510 LEN=1005; translated
MAEHPTNAETIADAKISP GDDYEEIREQDRYLP IAN IARIMKNTLPENAKIAKDSKETVQ
ECVSEFISFITSEASDKCLQEKRKTINGD DLLWAMSTLGF D KYVEPLKLYLSKYREAVRG
DKPDKAAARASSAGVDQSKP

>comp16184_c0_seq1; 382 265 1452 LEN=1696; translated
MMNVIQHNNTCSNSTHLQHDSVRCSIFSPYDERDNSYGVIHENSRTSHGNHTESRETNC
NYNRSSVDDKNKSAMNKIRRKNSYSLVKERASNFLIPLTVASGASTSSGEKDYPLKNNQN
TSNLMRRKSSTDFGMRRRSSTDFGAFHP IEYNNKNNTNHPNGSANATMNPTQQTSCST
GNIYHSIDILGIDKCLFR TGS GIANNKKDNNRSNSAKNPRINSVSDLLTPNAVPLMIDSA

RQNAPCSTSAIINSATSILDCHNTFHSNGSNESGTEVIQPGPYDIVCGRNSGAYNYIGNR
RFRVTIEMNLQRYINSPTREDKTNVIKSIVWMLHNDVGARFLKKETIKTSKHARASSGKK
ATSRVVMTDKQSREKVGHALRDLVIAARKERQEK
>comp16185_c0_seq1; 446 1 1304 LEN=1658; translated
PAMPISHRKTTRIHQDFPYRTIVIDGTVEHKGKARINTPEIEETEWSDRNVIIGSDLRV
WGNNDNRDDDXSSSSNKKTKTTATSTGDTPETKSLGLCFQDIWDEYCSNQASVGHNGYES
GDDADVSNVFFELANAPSVCYRLQKEPRAPAPNSGSITIQQDVSGAAETHHTGGIVWETSY
LLLNLYLLASKEWLGSTPLAGSVSKKTKSRTILEIGAGCGMLGLSLHKAFELGIIGGDER
IELSSSRVILTETNEVMENLQRNLEQNYPCLSPPNNGDDCESNKKAVHHVSVDELWTRYE
HDCSKAGIDAHSIDCIVGTDVVFSTRFVLPMLETMQFLSHSQTVIIFLCLQERCKDSHQLL
LKEAIRYGFLVDDISATVYTDKELAPTCSFGRALECKLLKFTVVAQKIDITLNEKAKTKKE
KKKRTGDKTSKKKL
>comp16186_c0_seq1; 327 365 1189 LEN=1341; translated
MLSTPVLTLDLARLAKIRNASIQSVKGFSPNHLNISAVVSKKRPRSSSNGECDSSACSSS
SATNTPTAALPTDVS DLS PSEYLKTI FRANGFS DLESIAKNCEPRFLPVTTAMMEAYHTE
ILNAVR SNNLEQAQALYRAGGFQHGCNACNRFGESILHIACRRGNLGMVRFVVEEVGLDV
TAIRDDYHRTPLHDAFWTSTASYEVVDFLLRQPHVPDLLLLCKDKRGFTPLDYSRGEDRGR
WLDFLSERSAILRPYQAEKTSSSESPCKRMRVVA
>comp16187_c0_seq1; 193 90 596 LEN=941; translated
MEGVQIAVNVNKNASVSPQTTTDETPPGWNRGRRFMARWVLFVVFVTTLSGRTIWATIFS
AMSIIMKEGTLFSGNIKWMLLSGISFLASLGWSMSRGSEVVDEDKAYGLKMSLWLMMA
KSTQVWGMILAVFLFSAATSRSSPPKEVTKAMTGGHGKAVGDGTKEE
>comp16188_c0_seq1; 736 267 1832 LEN=2320; translated
MIPAKFFSTAYLLLALSALLTASAREQPTCSWSACGEEIDPALKEFTYDVGDPQTTMVY
VEPDLATFYEKDGEKYKRVKPAFNGLAGKFINMSNKPYPDQYWESYKGGTAHIMRRYAPFS
AGGTGTFPTHRFFLSEPGTTDKRVKEWVGNYPNNIYVYDPYKVEGDPEQTEKNLQANLN
AEERVQYDLWTKTLLYNEQYFAFTGRSYLANYGVNGPRAPPMHYMWRADYFGQEHVWTR
ETHFVTVPPEDKLGKIRQDLASERILKEEDPRILQEYRAVDEATQEPLQSMNMTLKVLSV
APRVFEIKNFLSRAEVDHILQVAAGVTLAESTTGVDVSGDGDPSRRSNKETKVRTSRNSW
VPRERSAVLDAIYRRAADLTRIDEALLRFRGPDEYPELETKQPLAETLQLVHYDPKQEYT
AHHDFGYSNIRDQTQGARFATVLFYLNDDMTGGETAFPRYVNGKSFHELKVKPEAGKAVL
FYDQLPDGNMDDFSQHAAKPVIQGEKWLINLWIWDPLYERG
>comp16189_c0_seq1; 382 320 1142 LEN=1357; translated
MKTLTPLL LLSIALLSASAFQQGPLPRPSSRLAPRSVVP TAQSPLFGSELSAQFASNS
DESTTTSSTSATATASFLRTVRNRLRTATGFSFTVFRATLRGITGISLTTLYAGTLAATG
LWIRKAMSTVLGLFPSGFRYFLQPFVLYYTPLILLR SAASPTTRKRAVKKHETVVEAYK
EAVTLAEETEKSGYWPVVVSDDG YFELAKPPSVGESGGA AKMAEVAEAVQHAMEINSDE
DKKNAQGAILQCDAVPQAGRS AVEICTKTSKKK
>comp16190_c0_seq1; 223 570 1583 LEN=1988; translated
MSNNKSPSWSGLETPGMMEAKCSLLIQEDGTFDPRIKILPKQRVLVYQDKGYNPETDSDN
QNGDENFYVDFNGCTILQFEPSPGTIQRTPITLTVGGRCIFTPENFQDFNVMRTKEQS
IEMNISPNGSFDWPDVQSLLMCP LCGKTAETPQEGDDYEHEYWLLFYPLLQITIMKGSQM
TLGTRTICRLTCLCEMEDLLEDMTLNVCPAIEGRRPKLSFSLPAREVLNEAGSASFLED
GPPRPETHPHVEDLLDAWTLYNLWEHSGAWALQNDYRIVLSRSMHSDNGGERNRNRSA
AEPKPKDRNGKSCANPSCRKTHGELDPETGEKVKISVW
>comp16191_c0_seq1; 210 1 995 LEN=995; translated
XIDGAESSHFRIRRYQQGPSNNVPVTSEGTWVFLRIEVDLAPDEYCKSVGRGHGPPQK
QIGALPLHTIPGLPQNDVCVATLERIHKEFLPIIKRRGFNVRSISELCCCGDLHCVVR
GRKKGKCRMSNNVLGYNQTTFGRIKSHSIHLRLRRPIDHLLLPWEDVAGTMAHELHSHCV
HQNHGPGFFKLMEEIIEHATI QIHGLSGPSFLR PANADAVRQRNERRPGETAGTNNISI
AAGSMGFLPQTGGYRLGGRNLSGKSRLNEDTANGRKLGGVAGAGRSQHELRS LIANAA
ESRKRQMLRMRMIERSQEPVIEILD DDDDD
>comp16192_c0_seq1; 251 182 1069 LEN=1244; translated
MTNNRNAYRTASQDAVHFLDRDAVVIHTSTLDGYGTITNTNTCLGGSLVSREEDIDLPIA
TKSDLGLDLSGEIASCTTLAFGSRKRKGFTHIYKHFFFLTCLFGFGFAIVGFSRHQGLQT
SSEAKLTGSLYIFNELFRGSFKRRPSTVSLERPPPRTSLLLVAEAQVTPCNPVNDIDR
QLTAKGMQDAEGLGLYLKQHYIPEPDWIFTSPSERTAFTEL MRRHWASNKPVAFEDILY
TLEFNDYFSFVTGLNDFHRIMIVGHNTAILNTAKKVMKTHGIEDFPDAGLLEIRW
>comp16193_c0_seq1; 230 296 1039 LEN=1296; translated
MTTLGVATLAYAALVAPMSTSAFMNPTCTAKKLSGPTATTLYMPLDQVSDFYQNFPLQS

AVLTCGVKASVADTIAQVKPQLEEQKNERQQQHEASLSTFSQREGGITQRAPRHASDDSL
EEQSRHRFDFAKSVSSGNKQCIGWEATRNLAYVLYGGIFVGLMSHIEYNMIFPAIFGQEK
TFEIVKEVCFDNLIVAPTMWLPAYFIKACVYSASSDEDSGPGGIFREGLEKYLADVRD
NQLLQKYW

>comp16195_c0_seq1; 446 139 2259 LEN=2457; translated
MGLGHRRALIGADRTSRLDEHQQRNPENSSRLTRRGAAGAGCAKMLLFTVTTILLCSVGN
QMVVQQQPLYEYAYHNHNHNGDHQSNEQLGIGGGGSDGKDGAVVSRTATNDENKNKTEI
EIEIKNEIKDEIENKANNKGGANNDKWKWFDGDLNAYYNSLETQIHDRDPSKIASYAVH
RWMGPKGSTEEHYELIDRAVAQHATVTRKLVKVF DAGCGLGSALMFFEKRHPNWDMTGHTI
SEEQHRFAETKLPKHNQVNLRSYDEIDAIDSNSGNGD SKTISYDVIYSIEALIHSPNVT
HTMKEWVDHLEPGGIVVIDDFISDGVDKHHHDIQAFSKSWLANVLITPTELEELARNVL
GLTVVENLDDLAEYEIVKRNHNKPKVVKPVADRNHQGWGSKWRQRLTVEGKLSYNMIV
LKKDRERRSLRRLDDVVTMDGEMCASVPSIKMDGENEEQRQAFPITPQLMSGRGAGGDNK
MACISGCYCYNKGLKWDHLDHAHRTDNXSVTESWTGTFXGHYIEVFAKHLNDHYGSYPAA
SSSASSSTERGRFLDIGGTGSTASGMTKVTSKQHFAGPLEYWKLHSDPAAKDLERTLFC
DSDDLTAETCGFDVTFHTVLEHAKQLWKSFGTIARITKRGGGLTMHLVPSYQYYATLD
DNYRFCHKALVTVFEDRGFDVLEVGVDVCSKPDQTKNRIDEHYDVIW

>comp16196_c0_seq1; 336 1 1308 LEN=1409; translated
XQQSTKMEQETCKQSSASTLDRREYRRRTRPGRTSTLLAATRSTTGKTPSSFRKQQIP
SRPNHSDVSRPLVIPFVSPALPTDYLQMAPVVLARHLLYARGLWPMSVPLMLVQQQ
EQQIENGLQIHAGNSVDTTTDGKRRRISKNNRVSPSLRRKQKQAMAHITRLCDNWYAF
AHFKKNCSDEMYSRASPVRVKSRYLLISLGPSEYERSEELYLLDFDSIIDDRDSNCNDI
EPKGLSHEKAERMEATLARKLISALMNQPGRGNEESVLQSLPKATSPSFRLYFTAGFKTP
DSGVAPTADDVPATTERHAQSGCTSNALVQENDPPLGIHVNLXLFEIVDSAQEIPIIA
TTLP I E V I F A G P I S R H D S V P E K S S A A T R E L Y R R E E N R G K A W Y Y A Y N F S T N A S R V E R I D L
DVFLGVHQGVSIITNQ

>comp16197_c0_seq1; 343 1 1048 LEN=1267; translated
HRAAQGGTTEVQYAVFYPPETDVRATIRTDIKVATNLPENQELFPALVPLAHFCLQYLRN
NERRSNLQPSVPQRQTPEFPGATWQVPIHDGMGLRGAAREDRRFQDIERPAIGLPDKKLP
MNLSTCACILAKASIKDKDGKEEDVVRPYTPISTNELVGCDFLLVKDYGESGVMNSHLCK
TIAVGDSDVDFKHIEFNVLQAPFSQKKIIMMVGGTGITPMIQALHAILGGDNDNEVVMFY
GSRTEDDLGRTLIDSWAKEYPDKLKVHVLSEVSSTDDWKGRIGYITKELVEDEAGSAF
GPECGDDVIVFVCGPPMYSALCGPRGEDEIKGLLADMGYKKEQVYKF

>comp16198_c0_seq1; 468 58 1374 LEN=1885; translated
MSNLSLLEAVPRLSLFVWVVISFALASIASADEWKPKIVMDESKSSLFEIAHEIEVNSPS
FFPKPTYPLNDPDDVVVVVEPEIGKHRPDQDVVMAYAEGYTLDYMSFIETLRATGFDGDI
VLATSEYGLLKNHVLEYLKSQENLVVYIHKLDCFEADAVTPSDRIMKRGTDFQMCLLN
DVYGWKDKDGNVVKTAKDPRIGRVVATLRYEYWIWAQHYNPDSWIMLVDARDSLQFQTNP
FEGLRHQNGLLYFFGENAEATRIGKSTKRNWIRRSYGEDTLAAMANKPTICSGSTMGE
QIAIETYLKALVNEWDETDIKMTGADQGFHNYLYSGKLANSQNI TKLVVWEQKGIINN
LGALRTPKFEWGFYNQETKQVYNWDGTLSPVVHQWDRDKDMHMYMRTVFPQWKKSF EK
KMRKERINGRARTMSAIA

>comp16199_c0_seq1; 382 111 1103 LEN=1293; translated
MPPFRAEKDDDFVDRLIFIPPIMSERDRDICDTDFSTATTLSASLKRKRIRKESPPSS
SILDQFMSLVPCVARSDDNPFVVAIDDGIFNYLAIPKVPNPSSAISKVRNWNLCGQGCNK
MDGYVVKEVFDGQEEGEEVAIVDFVDFVERSKLYNEDWCAKRNAYRAEHSKLYSTVMH
DLLQYFRAIEEEAADIATVKANTERETVEEKKIEDRLKRQENSIVTGSKPLRIRKTIQYV
LRAFNETMKNFSFKNCFNSNSTRCMPEQVLLLPKTTQPKKFSRQSTLGNFSTCVSFEQ
LLPEVQNCDEINFSAENKLFNPKKTKRHFR

>comp16200_c0_seq1; 387 68 691 LEN=991; translated
MKTAAVLTLLVGSAAAFAPQASRASTSLAAFESELGAQPPLGFWDPLNMLDGVQERFD
RLRYVEIKHGRIAMLAVLGHHTAFGARVPGNIDYSGTSFASIKTGIAGLSDIPNAGLIQ
LFGFIGFLELFIMKDKGAGEFFPGDLRNGMFTWKASPEEQMQRAIELNNGRAAMMGILGL
MVHEELTGEPYIINALCGQPSNFNAGL

>comp16201_c0_seq1; 344 96 947 LEN=1507; translated
MAQQALKGLGRLAGVASVGAFGINSYINVDGGQRAVMFDQLRGGILPDVSGEGTHFLIP
VIQRPIIFDIRTKPREIPSVTGKDLQMVNIKLRVLRPTESELPQIYRELGTDFDERVL
PSIGNEVLKSIVAQYNAVELLSKRAEVSERIRSEMSKRAKTFHLEFDDVAITHLTFGREF
MTAIEAKQVASQEAERQQVWVKKAEQERQAMVTRAEGEAEEAATIIITQAMERTNGNIIIEVR
RIDAAKEIAGKLANSRNVVYLPNTGGGGGGSGSNLLGLDAK

>comp16202_c0_seq1; 151 282 1420 LEN=1420; translated
MKRCDKRQRTIQRTDGVTVGRNGQCKDPDEPACVATGENSESGMTSDEYADLKICEDKSN
SAKRCDLAQRERCLHPTQDCTAHLHRRNDDNDADLTVCSDLVTTGVARCAASQAFFPCIDP
TVTCTAAINPNFASLAI CNDKRDAGDTSRCDYRQVNP C IDPNSECPYADANLARRVTL SI
CPEKVPRPNVNRCHTSNNPADGPDNRCIDPRQGFECTEASSGLSTEEFTNYMGTNPKFCE
DLAHRDLRCKARQFRPCIDPSQDCWESNASTLSICTELTPTAGINRCSAQQAHPCIDPRS
GQECTSALNPSFADLSICNDLKSQGGVTRCDLRQLVPCYDPLTECPYSVVAKDNPRRRTL
PVCLDKAELRRNAIPCHNDX

>comp16203_c0_seq1; 212 1 1635 LEN=1686; translated
KNTPVHQTHSDLETIYGANSLRLEHQNLFFSRNTNETVSKHRTTKPNPGATQHSKAKQST
AQQANQPKASEMGKNSGRKKSHRKNHKKKKERPAARDPNFVSEAGPGCFIARRGGVGDQAQ
EAPDWMIGWEDVDPADFVEDGEALEVPDIALDPEECTVSVCNLDAHTKVAVYVTFVETAVI
GAHGRELTPGSTTDNDGKTLRCVTFVVLCPFFVFAHLGYLDLPEGRDLSVVI ESDVSEW
RKHPDPSDEHPCLLGFPLGQAPGTTTASYLCTQGEDGELTHFFSGNLHAIDFRCPIGTEV
LAVADGVVAEAGDENTLTGIAVTNLFWRNSILLEVGGDRSGGGPLLVEYVHLSRTLVRAG
DRVAKGQVLGYSVGFSPPEHLHFSAFRSPDPGAPTVRVRFEGKSPGGAFLLPRAGEWYD
AGGRAXPAPPSGVSKASPRQGRDTGGVRGRVWRWTAATTVRSVGGQGNARGERNGCVAFV
PAGENRGRLAERNETTVDHRLPRARDNKTNGRMLQRCVCTTMSLWSSPPVPPWNTPGIDF
LGLF

>comp16204_c0_seq1; 281 173 865 LEN=1105; translated
MRKQRENKKGESGSKGARVVLPLHLGDGLDNWGN DAMESNSFN GSMIRSKKKKKMDAYT
YFVLELQHAMKFGKSKSYSPESADALFRCQLDLEDGSTIDNGKECDETEKTANICQDEIS
FVGTDDSDSSDDESCKVQTYHNIIGATKNGQDSASYFWRRRRYVLRRCVLTLLAILSVV
LVTLLVFRFGGLNTSELASEQMNIINSVNITNVKLNTIWDVDNTDMGV

>comp16205_c0_seq1; 250 257 1420 LEN=2021; translated
MATPKDYRKGFGERMFLYAVSEEEEDVNEEEPSSESCNYSPPSLFSSVPSFCRLGIFDFL
ESEDLVSLTLVSKSFCADCQSSFLKSRIVPEYEISPRPYSKSAPPPLLSLLKHLLEHQSH
ESGKFSRYPRVRVHKIDQFYGRGESRRNAKLHKKILAVVDKLTATDDRQHHWSTLDLSLK
VPTELPSPVPLPLGLAAVFPGLREIDL TNIVFPTGTDFAKIFDRLPFLGKIVWNNRGLYL
MGWHLPAARSKDGSTNPNYHLKELILDDSEFNARDIRWVRAVSDIGNSNND EASPSFFL
FHSCCGEGLEGLSIRNARCYTGK SIGNDRNDSFLKNVRKRGFDPKIPQTALIKFVRNAPS
TLKWFRSDLTTEHKVMLRAERPEIELL

>comp16206_c0_seq1; 299 84 1328 LEN=1397; translated
MGTPPCDEDWFISNDETKNTSYSPFALESIGFAQTVDKAGKQLPLVLELIPPLLSENNE
QMPVGARGWYASAVLSAMMMVACSRNSNGGREGESGEGVLPNDGSDSRDSSGSRGIDL MR
EDLKRAFTHSNLKVAKTGRNDDNIFLELGS GTIGLSGMAMAWILAQLQKTSLLQEDISC
SNNKVVLTDYDEMCLKQLERNAEGTRQALSRYFSESEFSNECGDGKENHNASANKNTSAN
GNNRIAPDIDVAHLDWNEYDQDQSPVLWDKDNSSSGDGADESNQRGIVSFACGAALVYTE
ATSSCANQVAKLLRLHPQC VVVVQWPRGGWFSVFQOELTSKRNERDGLQIRVEKFGPES
SPELF SDEIQGLASTLMPESMQQEGRMDIKYLRAVRITNHKDTVLLSENTKIGG

>comp16207_c0_seq1; 301 41 715 LEN=822; translated
MKVAGLILLAGVASTDAFSSFTGTRLA AVSTSSANTLSMKLHDWKRRTADESDINDVENY
EFTLDSL RPAPGSRKKKTRKGRGISAGQGATCGFGMRGQKSRSGRPTRPGFEGGQQPLYR
RLPKFTGRPMGPGHGHTKKEYNLIQLDALNGVAPGSTCNFESL FESKAVTKSKHSTHKVVVG
REEFTAKDITVQAHAFTKSARAAIEGAGGKCELLKPSTGEVIAA

>comp16208_c0_seq1; 54 125 906 LEN=906; translated
MFLRIHTLIGLIFFLGV SIVEANDDTVSDRRYLHQNDEDNYVADYYDENGFEETEGNREL
RPYNYGYRPSLRQRNYNRYGMRQQYGYQAPKKMPNPKFGKTYKAGKSSKNTPKYKGQPV
YKQVNRYPQRGSNSYLGQRWEPVPGEPMPFVKTGPIPI LIIDEQGTSGMSDQEIQDAIN
NAEGAAFPLEPTDDPTRRPTHKPTKKPSPLPELPPAVPPVDRRADRHADPPVDRRKDQR
ADPPVDRHETPPQGPQTSRLX

>comp16210_c0_seq1; 330 239 508 LEN=709; translated
MFRLTMLLSVFLALLAALTMPQTAMARTV SMSSTRSALS VGTVMALSSFAVFAADSEDDD
DDVYDDEDEDEDEDEDEDDDEIVEGEL

>comp16211_c0_seq1; 150 244 570 LEN=570; translated
MDRGLSRTSNSVTNQEQTSDSDVNGQRKIHGFPSPSTSAIRSGVALNNFDEERNKLLTA
SITFFDDPLAFAEARAFVKGQQTLD FANTNAALIRARQLIDE EKLQRTL

>comp16212_c0_seq1; 397 176 838 LEN=1041; translated
MPSYSSSVIVLYSVIGFLQSPLVSRAFVTQTSPTSTRHAYMQVQPRVALSSSIS SAEGLS
VASDDEDDDDDEY EYVEYDILREEEFLGSEWL VGTVM DNSGENIVETWCRLAVDKDGKNVA

IWGDNSEGNWNFDVANQFLSMSKNSILGKNIWAGVVDDYYFCRGSVIRGWNFFSPASVVGQ
WQARRLGVEKDEAGVAPWFEQEEDEEDALPKSTEASEEL
>comp16213_c0_seq1; 631 6 1865 LEN=2469; translated
MTKDGEEVNRTRQSGGVKEQGGVPTRSIKDYGTMFSGSKREDLVHVAPDRSSIAGNPYQ
QYQLARRNSAPRPGEQKDPKSGSVGTRKGRMFYKGGKSSSTINSKGVSKSPGQRPQEGKRYST
SNGGSQRNIRTNNDNMPDVSUNETSNNGIEVSFPGIQSSGNALGALGNKINAMKVKPVISL
KERIRERQRVYKNQFSTVVATSSNVTSTAANANNWRPKGHRIPLLGISAVNTAYADALQL
LKDAPAVDERKAVQQEELSMLLETSSLQQDRMWLQGMNVSRSNAGSDSIGNKENVSGTW
NTHKLLKDDATKKQPLSVSERSALQKQRGTSITIHFRNANTKEILVHNIIVGEQHSQAQITS
LCKNDHSITTIMPANNRSESAAMNFQHANLLSATDSKSIDSGFYVSRDVGQSQIIGKLP
NRLARRFQHDEGVTTDAAERPKVEDLMYLSLSTGSLGCYFAKFQSGECWWGSAAEDEDFQYV
MQSWDVYRVAFGPIETIQVYQPEQHPSKNSGVRYKSLPSNSWIILSHDGRAVWKNLPSQ
LSKILERRMANSAAPVEVSLGPGDSYFVRFLDGSIDYSLPSKIARACERIEERGTTITNV
CLHPDISHDFIIRHTELTR
>comp16215_c0_seq1; 139 119 406 LEN=729; translated
MATRILPLELIDKAIGSKIWILMRGSKEVVGTLRGFDYVNLVLDLDATEYTPDPNDKSKF
IKTVIDNEILLNGNQIAILVPGGNGPPADSLAAQS
>comp16216_c0_seq1; 462 321 1250 LEN=1668; translated
MSSSENNESTDFSKRAEQKWSRAANSYVRYFEPMTVTAGRFLLSLLKLRFREKPLRVLE
AGCGAGGLARELLLDAGTSTSTLSVSELVLTDLSEGMLERAREALSGISYSKERAIRVSL
RRADFMGFDPFAFPDGHFDYFNSLCLHYAEDPDAVITEAARVLESEGIAGFTVWGRKAD
SPVMTIVPDIMERFQKTTAAKVEQLQQRPKRSSFHMGEDDHALRQRILAGGFSKCTIVHY
PAVLES LDPADYAEAILDGAPSTKKELEEDYSPGDQQVIRRMVRERAEELLAGGEPLILD
MAMVVAQK
>comp16217_c0_seq1; 505 1 1177 LEN=1494; translated
LLRTHDSEETGPDIRQNDSPHTEKLGVAASAI AATSGAAEPKSINNEEDGDGVCWDDQQ
KCQEEATRKRKNSSLPDAEGGADYVDDEYDGEYDDDDGEEEEEDDENDEEAVDGEED
DDDEEVVDGESEHEHDDFGDNDNDSDLPDEYRVYPEEGEEDVWVKHGGKGDLYQALDCP
DYGYGESTFDDTSFENIHTVETWSTFNRIYNEVIAATKGDPELEQUESTIPPVFEKNGFQF
PIEIKFDSVVGGRGVYALTDIPKGSLLYISTNNAFLNGQTYRNFLKALPSKLGCDVSIWA
FVRWVSLESDETDEHMVCVDLDEGSFVNSADSDEAYNMALGNDEGTLYTEGTYEEQIMLW
SGCKMKFWASRDIKKGEEIRADYGFVEMDGW
>comp16218_c0_seq1; 41 1 514 LEN=813; translated
XPTKRPTKRPTKNPTATPTKNPTATPTKNPTAPATAKPTTPVIINTLVNSANATVNVNDYN
TVESVATFCVPGKNSKVQVIEKGGKVVTICIKNRAGSRINFLSGGTLVTSVVYFPTAICGT
QRTIPAYNYCGFSGVQTDSDIPLPVPTTSPTVAPTASPTQTGFPSAPVTP
>comp16219_c0_seq1; 240 1 1525 LEN=1559; translated
XKSKPNGEQKGLTMFAQSQSQYMDLGPKNRIRHMDRNSEYRWPYRVAKHISDKVHGQVQ
QMLGESRLRRRFENDIRLIQPDILTVDHILGSGAFSQQVSAVTTTRDGRRYACKHLQQKLM
ERPQDFQLAAAELALEAHILSSFDHPNLIKIRGWTANGIASFESGKHNSFFLMLDLDET
LDERIRRWREEEIHVLKSDSNSTAMIPNLILDDNVTPDQSFYHHHLFNHSDYPRRSALQD
SCDTRSQTLYAEKIRIMTEIAEALDYIHAQGVIFRDLKQPONIGFSAETNAVQIFDFGLSR
ELPSLDTSTPFSMSGKVGTLRYMAPEVAMNQPYNTSSDIYSWAI VSYELLTLEKPFDFGWT
RDLHEDLVCKRGVRPDTSKTLHPISDDMKLILEKAWSPFPNSNRGTMSQIAVQLQCSLSRR
MAYLAEQQEQQQCRFFEQQEQIPLSVETVAPMITPPSMTNGIYIDNMPLCILPNPSCG
TRISRSMSFETIETINTSSLSVDSSYCY
>comp16220_c0_seq1; 702 1 1747 LEN=2777; translated
XPGVPDEDDIYDRPVDVNSIPRDRRTEPDEPEYGWQRSPAEQESPSYDWSKQKGVLP
LPNRPQVTTPTDFFFQLTSLIAEPEPSVAHSAQPPSYDWSAEKKAAPFNRPVVTKPFETDEEF
QLTPVSEKPLYDWSAERPSKLRSEKEEPEYNWSGARPEGPFDRPTVTTATENDDDLELA
AIPDDDDVSEYEDEDEEKEPAITGVPMAAWTMLALGAVVGAGA AVGPTTSLPAASPNVPQF
ALEPNPSTTTDAFFPDNNSLVPCTTDAICQIVSDGIGPYIPPGTAELFDIPGTCQTKSR
DWLRTGEDVLEFTGERIRNRYAMTVFFCEQDGGEWLENDMWLSDLHECDWYNMIGLDP
CNRVEQMEMVRIHGNGLQGLTLPSELSTIYEFTASDNLITGTFPGDFSSLNEIDLTVLSF
NQFSGQVPDYFFDFEDMVYFDLGFNRFEGTLPQDIPDAMPDLQVIFAENNNFSGTIPSNL
GTLNLRSLHLLDDNQLTGTIPSSLGNPPNLVSLLLHGNQLTGTIPDSLAVPDKLKAASFHY
NSLEGKVSNAICEKMYQKQLQVISVDCQTVACECCVCGESGV
>comp16221_c0_seq1; 562 49 1551 LEN=1889; translated
MRFELAALALIAKGVSSDAKASVLDTS PNDQNRNHKNDGAELKSSEQTSSLPVFTHG
NLKGLSSHTHISAKELRNLPNADRIVALSEDDSEEFKICSNEEIGILHAACSSPNE
SCVP

LRRFVAGNPSTRLEHENERQEVGVCLPTSQNLNDSYYESISYDRNLQVLDLDCDSVCGSDRKKI
YEDGEDFQSLIAQAQSEPDLINCWDTSEVTNMTRAFFDLKSFNSALECWDTSNVEAMNGM
FGGATSFNMPIGNWDTSKVTNMEAMFYMANEFNQPLGDWDTGQVTSMYAMFALANKFNQP
IKDWNVSNVYDMASMFVLLYGSYFNQKLDSDWVSSVYMQSMFSGANSFNQCLGTWGSK
TPESVGT EYMLYGTACPLGDGPNPSVGPWCQGSQDECFDFEACVDDEEF SFSNKGQ EYK
CTNMPGKFCCKKTVASNCP SKCSLACKCEDK KKYKIKGEGKFLCAEVEEDANPTCNDEIK
PGLMVRDECPKACESCLLPQ

>comp16222_c0_seq1; 303 171 1315 LEN=1626; translated
MNPYRLPLIVKALLGASFVANVRALASCTTCALGNLITDANPCNNLEDNVNGLFNTDL
DCKNAQLEHYQKCCPLPLEDHCGYCADGFSTPNMELMVPTGQIVGGYACFDY YYPQS
RIGMFTDGDSDTFLQRAGFYCGCPNQE QECWLCPDGPSPKPAKGDWVTKATCRGIEY
LFSLFKEDECAAFPYEAGADLAIFCGCGGLNQTEIDAQAEIYQC NLCENGGVV TNPDPFY
STEGDFVKTCQAEEFAREI IKTPSGCRNPRHFGEARQKCTCSEPLFDTSPGAPSDGLV
DAVAAPIADWDGGDR TSLTNFVIIAGDDTIDGDIDGLVVRGEGKGI FRIHFNSRNAYTRRC
SAITFCDDDQISQEAMPMDGY

>comp16223_c0_seq1; 249 373 660 LEN=811; translated
MALKPMRPDNGADEEEKTK EENKPRSKARIDAELIAQQALDKANSTMELRNFL EERKTDY
DRMEEMKRKLDSTMQELDEDMEARQKSIDARKDQ

>comp16224_c0_seq1; 247 1 558 LEN=783; translated
KLIAIQATEKYPSAMSSFATKPAEELNRNMV KFLPELASDYATYPMHHRWYQPQEKGP
GEPCKIKGGADATLKKDYAFCKRGNFGPGYSLMTKIAYVNLYNKLDLQPGTCGIACNA
ADRKAMDEYDDVKRLMYGRHMAARPCDKTAEKRMMDESEGMANAAYAMDNP TPLVVGAA
TKVVKL

>comp16225_c0_seq1; 747 86 1291 LEN=1425; translated
MKFSALALTAATCIASASAEFFITENFNDDSWSSRWTVP TSWKPKGEMGAWKHTAGEYYG
DADDKGIQTSEDARFYGLSAKLDKPFVSGDKPLVIQYSVKHEQNLDCCGAYIKLLPGGDN
FDAKSFGGDTPYAVMFGPDI CGSNKRTHAILHDFEKDDNLLIKKDVGTETDDLTHLYTLI
VSPDNTIEVHVDNKSVRK GALDDEFDFLLEKKIKDPDASKPTDWDVNAKMPDPDSKKPDD
WDDQPEEIVDPDAKKPEDWDEDDGEWEP MIDNPDFQGEWKPKMIDNPDYK GKWEHPMI
DNPDYKYND DMYKVC RDGCTHVGF EIWQVKTGTLFDDIIVTDSIEEAKEYAEKTF FFKKE
GEKKMYDEQLEAKRAAAASEMPEDDDYMGDMGMGDLMGDEF

>comp16226_c0_seq1; 409 249 819 LEN=819; translated
MNFSLAAATLLATASTASAFGTKQLAPT FVPDANAFAYGLPGAIEPVG NFDPLGFAEGKD
FETMKQYREAE LQHGRVAMLGALGMLITEEPIEFHPLFEADNKDIGPAIRHLDEVRVSP
GFFEILGIIIGALELNRALTGW TAPGDVFGSGRVFKEDYFTGDVGF DPLGLSPEDPDEWY
ALHTKELQNGX

>comp16227_c0_seq1; 401 45 1361 LEN=1901; translated
MSQAVELHLVPTPGAKPEFLCAIKPIPKDGNTNNHNPPRIWQSIVNSLNKVIVLEGYTRE
SWATDMNGGTWSS FQVQSV DGRNKLPGFVKYLRERQKTCFGRFVMDDHKSNTDNTNTKQT
TFVWVISYKQTS SSSLSCR VAPINSIPNCNL RQKTS SVTVPPGRNRPRNSEPTAKSKPKK
KGFGLLGNLVGAQRRTNNQVVTAS IATAPKSKTKHSMTS VESHAESNDETPDHPTGGAN
GNSANETQRDDSDLPLTTSAQVLSDFRREMEQKMLDFDISPEMSIKIFVRLADHTKKVRE
VDKGISMEVLKYIYVEQAE EVNDDWIAQKEPGEFTDEITVAIYKDAESAPPEVIEEMNA
AEIPEEMKAQQKMIEQKQRQQEINARRIQEALQRQALRKMAGGGEGKGP SLSVLNTEKRD
LRTIEEIQQDSAKRRKME

>comp16228_c0_seq1; 362 23 640 LEN=845; translated
MGAYKMEELWRHKQSDALRFLMRVRAWEYRQRPNIYTCNNP TRTDKAHRLGYKAKQGYV
IVRAGVRRGGRKRQNRHGMVFGKPKHQGINHLKFERNLQSV AEEKAGRRYSNLRVLNSYW
VNQDATMKY YEVILIDPSHQKIRNDPRINWIVNPNVHKHREMRGLTSAGRKGRGIRKSGHR
ANGRKGGSWKAAWLRRNQKLLKFR

>comp16229_c0_seq1; 183 20 763 LEN=1557; translated
MKRTIRAFDSRRTPFGFI CAWKHCDVGRSYSLIASQRIPINTSLEKSGCGNSNTYRGCFP
DDSPHSRTKALLTRNFGSSDRPDPFARRPTSKCDPYGQDGKPLTLDEAKTLLPTVEPEWE
ILLLAGGSNDEQMGNTVETHSGVAKDCDDNASVPFGIARNFWHDDYMSGAQFLNHVAAV
AQINAQHYPYKVVFDRLKLSRTKSWKICTRVVCRTHVLQGLSHHDFYLATLIDIEIQRPE
VKNLVIQ

>comp16231_c0_seq1; 325 470 1523 LEN=1748; translated
MLSTS YTTICVFILA EKETANKIDAIFHYQKESPSFSDRTLARSKLLPSLTSENAFAKAT
NAALFPWESWESDKECDFPHGCPSETGNSNDMVREQHFE GDRASTQKCF AHRRLMILAR
NATIEGEGHRHIVHFQNNPKRHSTITNPKDGV DSETIFRQLNVLKKG YWKHLPREEGY

REGIQGAYEDESTINRQILSRKEDDKENFRRRNHPNAYIPHSVEDEFPRHSSDEDEDEFEE
DLVNYASMTLIGFVFNQDGNVSGICVHEVTEEGWICSLKKNYNTYDNRYEDQNLASDR
HRAHLLLRPLPSKVAALGRQGMCIQIGLTRNNNGVLEPYNRCITIVNIGF
>comp16232_c0_seq1; 531 328 1275 LEN=1275; translated
MDDMGAMAAIGGTDIRKVMKSQGP I VSAVILRCP P P SSVNGNEDEIEDSKPAAVGDSKEN
EEGDNEAKTDASETSTQRMILRDLIEELRIDTTPSKSKVAEILGGSFTFLGQYEEEGIVL
MVRNLPDDLESDLKAIYENSEEENDDTGCFSFSEQLSKNFNVQALKALCFQRDIDTEHMK
EKNELVQALVNYQKLLPSFNTHQLQPPLHKARVRGDIVVMKVAETADELDSENGDDIEQK
TEISIENTEAASKKDAIEVPSNDEFFLDYSKEAFIKFASRTDIPHEVELQELGGESEEA
VNGVDDGDND D D D D D D D D
>comp16234_c0_seq1; 457 68 1675 LEN=1805; translated
MVVSTSALTSASTRCFWETSEVVDGSKKKRSNQRSKAAVFLHRKRVALSWATAMATMPA
IFSPWHGPFSAEAFASPGQRTQQRSGTTRRAANKTEMERVGTVHGKDVSELYPENFSET
MLRNVFGFGNHPQWKERVYTDANGIVRPPLDSMTGRVVITGASSGLGLETAKRLAMAG
ATVVLTARTADRVRFAVNAVRYDCRGRGNNGNNERKNMDPVVRGIELDLDLSSVRSFPDR
YKDCLLSLSKITDRAADAKAKMKRAKEGRKSIPPPSGTKPIDVLVNNAGAGGFPSRELT
V DGFERTFQSCYLGHFLLTASLFGEGLLKENDGEGEGCCTVINVSSLAHRGARASHGEGSE
DAAFGFDFENIQSEIAYTDDVYSQSKLANIMFTKELDRRASGRLRSVSLHPGIIASDMWR
CLDSFGYDTRSNERLRNGERLGEQPAGMGWMERV I I S P F Y F S V M T P V E Q G A N C H V Y L A Y
AAATDFDGESVQSGQHYGEFGTPEPTLDFASDEDSLRLWEVSEELAGIRFDPS
>comp16235_c0_seq1; 477 1 1701 LEN=1881; translated
NELVTTREETYDWGQWDVPSDLVGDQRGNEPKILWGIASAFGSDMERRRREVMRKSYSLSF
YKNNVHLVDNPDRI CSLIDVMEKKVEFDKQMVYTFMGGNPDGEEEMMLGTDSQSSDYL
ADTSTIPDAERDSTYLNIKENQFGGKMSWFAYASSI INEGLAFDYVVKADSDTLLYPTK
FLKVVRKLPANPVRIYSGVSVSRLHCGFRKDEHCSK MIDKYMGGAEEILSADLVHVA
SLSYERRRELEITDHEDISIGNFVLSHPDHVTPIELGYPGKLVNRKPLLLPWVWSHDKKT
KQPGKWSRLWNYEKDERWRNSSSDNIMIVAASKKCSQLVDK VIRP S C T K V G K S K V E H C V
MNGFGDKSELHISKLATNTSSFSSTETVGDVTSETWNQRMVVTVQNPINELLTDWLDGL
SPSNNAEIVVNTSRNRKALLQVKSSESIEFVVRAEHIWDDILFLEEILGNPNARNIEATE
WPSLSDPAVAIKMNAIEGKLVSLQMCALHGEIRAYNELLLLKGNLEAPESKLQESLSDST
YRSCGVQSSHELEDKCRASKTSFAQE
>comp16236_c0_seq1; 303 1 1471 LEN=1596; translated
XPCFWLDTVLDRSFTENPPTYRTAASSVRTSSNRNRNQRTRTGDPGWGSSRDQPRRQTMRV
SSRGLALWCALAPALLAAAAGDEAPRTEPSFRRLWASKLATAGLSPPGGGFLRALSGDPP
ASSFAVEFGPGADWSCTTPTETGGGYQACAKAGCSWCPLGSSSGVCLRTAQADLVNANAGA
NGHDELLHLRCYASDSDSETEAESEGEPPVFDASDAAFWDGAASCLPKGEEGCGGDDSC
WCTVDEPSLGFCLSRSLWDLNVAQALEDLSEEDQIPLDGVVHCRFPQSTGTGDGD
DSTSTPGAGAIHPGLFDRGCLWNAIESDRDEVDCADRGLCVVQANPFPGLLGTGAGNY
CVSAAQHGGDEVVDRGPPGRGMGGRGEPLSVRARQSVARDGKGRSLENRSAAEAVVGGVG
GVVVFVFGGAVCKPIFEPVVRSANCSADLQWCDEVNVDGWSRELLELVHVLVETGLVV
ATEWNFEFLL
>comp16237_c0_seq1; 183 109 797 LEN=1568; translated
MPQGEIAIENLKELFRC SKLKNGLVSEAEIKPAFHAVYDEELKVEFNGEFMSFXMVGL
PVQRDAQERQLDAVLCRAARFVRLRLADGAVGGWPGPSRPLALDRLGKPEDIEDNQDAF
LSGAMARYLFNFKHNAIPVATSAEDDTSEPYCTDHKKSSSTRGVNRS SSIYQYEDDES
VFLPFRSIRSSIRRVSTTSSITIGSYNNSPXAAEHFQQQQQREKGGKKE
>comp16238_c0_seq1; 508 232 1269 LEN=1437; translated
MSEDWSEGASDPNKWTSSSRSNSKNNDGIGDDGDWATPIDGTAWSTFESIDDEEGDCSAL
SDSRNDDGNDFLVDDSEAWLDTLQAI SAEIEFNQRDNERA EKALQMKEWGFDDTTIANT
FGVAVDDSREKVDEPSGLAEYRKG I YDELGAEYDEENDSIESHTRVEIDPDTGEP IRQQM
VYVDEHACIGCTNCATIAQSTFFMESGFRARVYQQWGD TDET VATAIETCPVDCIHYVP
YEELVTLEKDRRGQKINNQARLVNQGESAHMASTGSSSQFTAPQTI SGNASARCSNCPTR
GCKTCPMFVGVGNPEYERREALRKANQORRRLERQRADESKSADL
>comp16239_c0_seq1; 487 1 1035 LEN=1526; translated
XSLGKALLHSESNLKLFDRAVPSTFDXI IVMVSLRLLAWVLLLPAASAFLPTHSTIANTA
QLKLSIGTTSASSPSLDQFFLVSDVSLDPEAVAAAAATAGVPNPSSLFNSNVGELVQNI
ALGITAI AFLLAGLTYIAAAVLVPAGAQQLEVECTAI IPDTWNEYLAKLEDGQEMKDRPD
LMFELGLLLKCKADRLEQVCKGARLAPDLWDKYQDMLAPDQELQDRPELIAALNADVGA
RAAQVLKENTGVC PAAKWEAYEQKASADGGNGLAERPDLLELAVELGFSDLLAAVAAC
LLGSSGDANIVDVEVVGDAREDATTISGITEIRKDNQWDEDDE

>comp16241_c0_seq1; 437 36 686 LEN=880; translated
MKLAI FTTLAASAAAFAPAKQSRVSTAIAGDARSPDGLGVDPGPLDLFDPLGLAEDTDSF
ARRRAVEIKHGRIAMAAFIGMMVQELGVTFFPGSMDLNGDVPFSSILDNGMGFPALAAIIPP
FGLAQIVLFGGIAETIAMPAGQYTGGPQDLPGGYDGSAGTIPGGYPGQIEDPEARDRALN
VEIQNGRAAMLGVTGCMVHSCLDSCDHHFFYPITHN

>comp16242_c0_seq1; 331 149 1072 LEN=1166; translated
MERYQKIAKIGEGTYGIVYKAKDRVTGEIIALKKIRLEAEDEGIPSTAIRESISLLKELQH
PNIVRLYDVVHTERKLTLVFEFLDQDLKKYLDVCDSSGLGLPILKSFLYQLLTGVAYCHHH
RVLHRDLKPPNLLINREGQLKLADFGLARAFGIPVRSYTHEVVTLWYRAPDVLGSRKYS
TPVDIWSVGCIFAEMANGRPLVAGTSEEDQLDRIFRLLGTPKPKQRDFPGIVELPEYSPES
FPYP PPRGGLASLVPTLDASGVLLNCLQYDPARRITAQAALQHPFFADMKPDGGSKS
ARAVGGM

>comp16243_c0_seq1; 190 1 1335 LEN=1627; translated
XLNEGNVLIYILLMIREIEINHTIPLLEEQVTPLLCQGDKITKDIAVALLKNKPKDKQQCD
GLVYKGDQMPSGIENNGWNTVIRRP TPEAETDKAVWAYKIKTTKNEEGDILIQYLPEA
NKDADTIRSQALEELKMGNDGTRPWRGKIDHMLTSTLIRGTICKATLGKHMKKHKQSN
GLWSTSDPGSPRFLMARLSLLEDPTVPIRLEPATEWEKGDYRGAKTFAIFLSKDTNTPG
LAYLLFP SHGLAIEISQTVVVSWDASLLPHCVTTVENGVLFDNPKIDNDRFRKWFINKVF
SSKGRSKGIQPG EAVMRERTQRLIELGATESLVGRPTGKKHMTYWEAAVVS LRKASVPG
RNNEVKIAYRGELGQVVGAYVWSDFDVVKMERMDLRVLLDRENARKSKSKASIQHRKKRA
KIEEAVGKQQYKSNVSCDYENYTL

>comp16244_c0_seq1; 267 152 1084 LEN=2021; translated
MAGAAESSGKPRDTEPEPSLPTPD TATGASLSLTLSGIRDRAAASFESI AKATLVVSAVL
FVADPLPPYTRLAALVSCFSVLKLSAAHKQLLIRRQH EEEQAGLEFVADGTTETEAEQQX
STGEAAQGPISSEKILFRSRTNQG FYLLRGIALQAQLVGAQKPV AEPGMAPRTRTRQR
VGRRKWMRDQHQRLSDET V LALTKSGEEPEPP PAAAAGADRPRDGGAWHSRNT E VPRGG
GGKGPAGDNRGTHPDPREPHLQHPPGCLCFL LKQSRGRNF FLPPSMVAPGDHDGDDTANY
CVQASDQRAK

>comp16246_c0_seq1; 679 532 1908 LEN=2713; translated
MSSVTNSSVLPTKEEAFWALEQAKERDMVGPEDTALIFHSWTTHRKY LTHLMEVFGDHPN
ALHAI AVKTNPHPAILRQLVAWGFGL ECASMEEVY LAMNAGCPGEKIVFDS PVKTKHEIR
ICHENPQLHGILLNVNSLEELERIPENPNFVVGLRINPLVD TGTPEIFQVSGNESKFGTP
ICSKEDIMDAIAKY PVTQLHVHSGTAMEDLQVAVGAIQSVVEFGVEANAMLEAKGIDRRI
VGVDIGGGLRPEILGDENSDY GADLSRMQYYVNLKKAAPALFDEMKL VTEFGQWSYFYS
GYAYSQIEYTLQREQTRVAYIHLGADMFLRDIYTGKNRGMDFLPVGEAAHRPQELTDIAG
PLCFAGDYLQQHVMMPRFEEGDEILMLNTGSNAFGLWSRHC SRTPVQVIGVDRQSETLTV
MSPRRNPHLEESYNGLLLPWEAPEDELEDEEEDAVVAAL

>comp16247_c0_seq1; 385 76 924 LEN=1142; translated
MAKDNWFRQIAAEFLATTLFVWCGTGA AVSSNRWSEAGTNDPAALITIAIAFGFAISVLA
YGIGHISGGHINPAVTLAFVALGEQSIVSGLLYMIAQFAGAFMGSLILWGCTFSLTDICE
TVDSMVSVC RNSVSPDGSGPPFGLGLNSVGP RVNTGAAFLLEIVGTYLLVITVMNSAV
HKKSGAGNAAP IAIGWSVMLAHIVLIPYTGCGINPARSF GPMMVDSIGGLAGKVWVRGWW
VYYTAPFVGSLLAAFTYKFI FEEPEEKAEEPE SKKDEENVDA

>comp16249_c0_seq1; 154 125 526 LEN=896; translated
MGDLVGSRKSTNSRLPPEVNRILYVRNL PFTMTAEELYGIFGKYGAVYQIRMGEKHKDTR
GTAFVIYEDIYAKAAVDHLSGFNVAGRYLVVLYYQPAKFQRRAEAE EKQKELEELRRRV
QKKKAQMAARGEN

>comp16250_c0_seq1; 463 205 1643 LEN=2253; translated
MVMVAPITIERXGYIAGLH SYKPHPGTGEEDPEFSSFETAWKAIQSVPEALLNDFEDELW
ETQSRRFVYGTKT VSVIDAVESSSSMPFDR LQDNANGTNASTKCLDKQRVFRYLVINER
PNLIQTAVEV PFGAPYRHYDPSATNEIAGIFDGTSA AATNAQNLVPRPPSPISQTHLG
GLAMVLPFWRRANS GTAFEDTYWKEADRLGEEAVD GWNDSPNCVLI GAGGCSLAHTMAAD
LRSRSPSPNAGQRPLLTAVEACEPIVRVSELYFGAGDEQGGGCEASSFKGSLAGPPSP
FDLVCDTGQSYL KSLVGSTKEEDPRPLIDVLVIDAEDGSAPPESMRTPKFWSEAVLPALG
VATLSPSHGGGPVGVNAIGTDAETTRLVDTMRAALACPGSGSHYCVIAVSPPEAGVSD
RHKL V FALPCTNRAEAPTHGPHHDLFRLLPTEDELRCVDVPTAWAQVRIAFEECAGI

>comp16251_c0_seq1; 238 656 1318 LEN=1936; translated
MDILLEWDTTGN AQWDRHVQPGITKRLTPGEIGCALSHASLWRELATGKPNRHPEEGNEL
TGTATGSL LSTPLLPMLIFEDDAEFLASSPNAQQGKHYSK SADRFLFAFRLARRQLPTD
SWDV FYLGFSDRGERRDVLRS GAPQRREAGAGWQGAGEEDIVVELFRPTYGFHHCYAIT

QAAAQRLQLQNLPIVGPVDVWLADNEWFGLDVYCAVVANEGW
>comp16252_c0_seq1; 156 172 525 LEN=863; translated
MELHSLYHAADETDVRSVQSNHSQKSAVVDSMVGASKNCSSWVVGCGMCTDYMDKQVQY
EIMAQRQFQETANNLKPTGTFDIQKAMASCHSNFDDIKATAARMFDEDSVVESIDLRQ
>comp16253_c0_seq1; 219 135 535 LEN=649; translated
MPLVLDEYEDDDWDELPAEIQKLCGEGIGYTQKLWDKDKDPECFDKDWEELTPTEQEAAAK
LGYTPETWDEEXVRRPFARKDSVGSSEWIPPHGHLEGSEAAGFSRKALDATRRNAETIEG
ATKHPWRGSLEYR
>comp16254_c0_seq1; 428 59 1273 LEN=1511; translated
MDNRPSLETSYVGGGYLNDSGRHHGAYPPDPSAYSQLTATRRDEEEEEEDPDAPIIIRV
VAPATLPEGYTIDVLYNNEPHTVDIPRGGVREGEFFETVIDPKRKYREQHSTRRMTQMDQ
LAEEEEDTFSRRSNAYSRSDESQRDQRRDSQRSNSVQQRHTSKLHSAKLYNDDGVSFTND
TMNKTKDIEQSSTFPASLSGDEETMMEKTHIQNKQLAIVENKGDAAEGENKDKVWYDKNG
TPHGKWRTRLFSCCDVLTQSTFWMGLICAPVLMQQLITRMGLTWNREGPPEETSLSYNR
IVLGLVLMVSVYWIPIVFGTICVSIYYLVVVVVYVGSQVRRFMQKYSIPSTLPTRCGNRID
DACMMFWCGCCSSIQMARHTHDDKDYPGHACTTTGLEFNAPSVV
>comp16256_c0_seq1; 851 103 1806 LEN=1830; translated
MTDTVALSVKWKETIALDFIVAGGVKGLKTELEEKTRVPADRMKLMASKGLWKGVKLD
DFDFSTIDFATALSKAKGGPLNLLLMSGASELTGPKTKTVFLEDLPPEEVAKVAEPSGLE
NLGNTCYLNSVVQCLRAVPQLRRGLESSTTTPTSAPTMLFSSLRDITYQLDRTATAVAPS
TLVRVTKMAFPEFNRTGANGAPMQQDAEEFFSGLLTIAAGILKDDNQIKAALPFSTPQEL
NGADNLIDALFGLKMEETLTCEDEFDDKASGDKDDKMQDDQVKEI STSAMVEPPVKS
LHRKLVLCNIQGGSDGNAQTNVSHLAEGIALSLNGSIEKRSVAVLGRDAVWTRKQRIARLPP
ILTVQFGRFYWKATPDSQDHAGVKCKVMKPVAFNSIFDIYDFCTDEVKKELKKS
SRDKSLK
EEEDRINRKLKGEDVDADTKMDVDEAGEDDEEAAAALKAALAMSMQEDGKPAVGPGLPA
EFHGHYELFAVVTHKGRDADGGHYMAWVKAASNSGKVEK IADTEENEDWVVFDDDEVSP
CKTEDVLKLLKGGGDWHMSYLNIFYRAKK
>comp16258_c0_seq1; 501 2153 3256 LEN=3338; translated
MSDSSHAFASSSSSSIVGVGHGVERNPNWSRLYNSASVTDAASTNNSAVDGDENVKTSEV
LSLDSIRASLIRQEETIIFALIERAQFRNKVVYEPGASGLDSIVNSNDESFLYMLTET
EKLHSGLRRYKSPEEHAFYPEKLRSDCSQFLKQDLEYDSGLLSDIGDASKVNFNEILLKK
YIDEVVP SICAKGDDEQHGSCVLNDIAVLQALSKRVHYGKFVAESKYLADPEGYQALVDA
NDAEGVMKLLTNEAVELKVLRRARLKAATYGTPEPLADLPPPLYGEEKTTSSIVAAAAASA
VVAALEAMS DVAEEEA TNKVCPTTVEAIYRDLIIPLTKDIEVAYLFRRCGREPPPEFAPH
RMSTDSP
>comp16259_c0_seq1; 472 1 1486 LEN=1800; translated
XQQQH HHHQPAPQIELELELQHKKNQPCHEILASSSFSSSRSSLTNHELHPDADD SREVI
LQNCCKGERLEHFLALLMETNSALTVRYDKQQTMPVHLARGLLRGAQDCS QSSHKG DGED
DDDDDENNFCLRSIALKGTITPLAANYLQMTLPLLPHEELTLQGNF ILSDLDK KSS
IVGNSYSKMVRVVESLHTALQSLPRLKHLDLQRCHLPDEF LADILEAVDPES IETLKLNG
NMAHSESQHVLG LLLSDGRCLRLHLDLSWQRLPNAKRNRSVLDVGR LAAVLVDQNTSLAT
LELSENILLDEDFDLATVLSHPGLSRVSLQDCHIGDRGMVALAHHLARCKENLKNVYL
DGKQGV RDTKLVRKTFEFESLLRN VYLRRELALPGTVQNESTDWALELN RAGRALLQPDER
DCSDPAIECKLHASPSFDSQGTGTHNIPDGLWPRVLERADRIARREYLSEDDSAEMKAASA
VYLLREKGYHAALG
>comp16260_c0_seq1; 278 1 409 LEN=634; translated
XQQQQQQQPSDKEQEFKSDNDNGDGDVIGCRSLSYDDS QGSSLPEDGDEK HQRCDE
SDDPKTLCGNACGKKDPAALVDGSGVVVGTGEEQPHDDASINDVFVDFLCRTGSI IEL
NAFMDETIGAEADAGP
>comp16261_c0_seq1; 480 116 1495 LEN=1736; translated
MGGDND SVISSKARRKRRNKQQRHEQRFANYLVFGFTSTVCMGLFALCYMIVLLILWPL
LQASTPTTEMPDET PRDYIHHMHMPPSLKEIASVPVKDKIGEVTSKLRKNLAKFRQGRGVT
DANLLDQAVKKYESIVKERQSEKQRESARDTASKNKNAENS AVVAGTHRNGFVVLGMHRS
GTSMLAGLLHRSAGYTVGGPLIGSADNEMGFFERIDVVLQND EFMNNQNIWWDANVAHY
DWEKALEDKENGSI TFKEGARGLAFLNDPGNAPWLQKDRMCITLKTWLKLMNNEPAVMF
TYRHPVEVAMSINKRDN SIAVDTGLRLWI IYNMRAIQNSRGLCIVRSSNDAILADPLTEV
QRI SDELNTKCGVPAPARRITQEEVEKF INPKLQHNNKKKKASKNVLETYNDGKCVVNAW
ESKHEVGSEVYERELRLYRQAMKVYCDFQSGVAYEEDYT W
>comp16262_c0_seq1; 608 68 1483 LEN=1682; translated
MKFSINILTQVLCVIGSLSHASEAQKLRDDVHFLMYETD GALGGQHNSPLHFFTERS KVA

NVKATVYGNLDLEYRFGDKYQTLRPILEIVDDDTLIIILADARDVALNVPEDEDLAVAAVD
HFIIQSFKRLTERSPNAVVLVSAEAQCCVSAMSHASPRDYFDPVTGKRNRACSSGLEAKCR
WSENRNIEHWVSMHQRRFKETGLQGHGDVYLNAGLMAGYPRDLINLMDIMDIAPYEDDQ
AVLTGLMYRYPEAIVLDYQEMFGNSQWTRGVPDVCVFEQGGSHAPLTHIDTHTQPLLIH
TPGKLYACLDMIIESLGGSSQQRVYHSTHRKLLTGRLSLAAQLGFGGAGGAASYSDKVDNE
EINEEVDEIVEETETETIEELGNYGYGTANYEQYGFQSDSNYQYGVASEDNYQYGIASD
ANYQYGVASEANYQYGIATEANYGVVSEANYGSDARRVRRRRTSLVRGA
>comp16263_c0_seq1; 659 107 1420 LEN=1610; translated
MFSPMAMKFLTRSNNTAAAFFRRKFHGSGLPCWQKLNVEGLAKKVDLEGKNVLRVVDLNV
LAKDDVTVTDDTRLRAIVPTTKFLLDKGANVVLMSHFGRPKGEI IETGKNRNLNPNVVKPL
EELLGTPVQKIDTVIGAEAEAAASNLGKGEVLLLENTRFDIGETKNDKTLAEGMGKMADY
FVMDAFGTAHRAHSSTAGVTEFMEESAAGFLLDKELKYLQGAVDAPVKPMMMAIVGGAKVS
TKIPVIESLLEKCDTILVGGMIFTFYRALGYETGGSLVEEDI IDLAASLLKKAEEKGVK
IVLPTDVVVADKFDNDANSAIAKVNEMSGDWMGLDIGPESIALFKEEIEKCNITIVWNGPM
GVFEMSNFAEGTNSVAQMLAEATERGAIITIVGGDSVAAINQAGLGDKVSHISTGGGASL
ELLEKGTLPGVAALSDV
>comp16264_c0_seq1; 412 123 1229 LEN=1354; translated
MNSSLVVASSVARRLRRASSTSILTGWGTAASTAVASLSTFGNASLTRSSGNDTIGSNHH
ANADVAAAPCAVQRRFMGSGGGTRGARGHGWWVNYRAGKGGRHLLQGTYSHLDLSEMEKWN
DAVFQLGRQLAYLDVKVEALVDEDNDSGEDQNEQSQQQQQVHRLTLELASEALPLATDN
VVKLLQSSNLGENDGSEESPGYLSSTLHRIEKGVGILGGLVTDNPNHNPNNMNAPLTKRR
MGRCHPDHRMRTSHTAMDVSSEKLVNLHLPVITMLQPRIGEIDSRFLILSHNAPHLDGV
SVAVGRLVDSLEIVQEWESSLITSHGVPTNMVLRVVGCGLLEDGDSKATASKNSSSSNGTE
ARAQQESM
>comp16265_c0_seq1; 250 139 450 LEN=450; minus strand; translated
MIYLK GKDLFEVCLLPILTDLVEVFDWLSVSLLLLLQLLSEVFLSLLLSIPEVEDNLA
DDDDKDNIDIWDLALFRFLTSETFLSSVDIDADVDAAEFDVDVDV
>comp16266_c0_seq1; 231 273 791 LEN=1144; translated
MSTVEGLKPFLLLGGYNAELWWTNFILPTWLLMAMAPRWKHMPTLTIVSPIFHAAIYS
LSIISVMLDMDLNDENAPDATSLLGVVTLFKNPNVTFAGWVHYLVFDALVGRWIVLDSIE
RGCSIWHILAIVPSLFLTLMCGPVGWLLYVGVIRTFLLPVKENAATRAKTA
>comp16267_c0_seq1; 454 1 1310 LEN=1433; translated
XDDDDDDKYADYYDEYNEYDEYDENYGVVALESRNAKDANVLKSEVKWLRNKFHNGVVF
GKVPRADISSGKGGEAAIISRLRAREDPDRGIDMSNFAGLILRVVSDGNRYEAFVRTGL
YESDGI EYVYEFGTDSKMPTTENKSKSRFKTVRLAFENFKPVQQRKSSSSEGDSDDEED
DWTVQPFVGNVQYIGFRFRSSSNMHEEDET SNRMNLSLDRLGKNNNSQRFSMALAYIK
VYRSQPEPEFIYLSDARIPPVSDGMVHHRKMLLTSHNEMSDERN SNEPLSSSSSEKDAT
KASVNTL FDEKDLQRRSKLERSPEETYFKYRGEELVKSGLSYTIVRVAGFNELSTSEAS
TIDLIGTSARSDSKENTEIVPVSRAEVAQVCVSALLDPSALNKIVYMTKKKVVGKNVLD
EDISAKFEGIPSDIVL
>comp16268_c0_seq1; 759 1 1618 LEN=1731; translated
TTIDIAIDITSTIAIAI AIPVAIVASIPTNAPGTHTLNGTSAIDNKQSLKNSKAELRNKQ
QQQQQHTMPEPTEMEIDSEVVHEAVMHDSSVLPEDDEEDIEDLLDLVDNAKVESNDTIALL
KQVTE SPKTGPKATQTKERAVYDLTRAFCKQKNYSEVVAFLEASSFFRSV NKAKCAKVVR
QVLDIVCGLAPEEYDMQREICEKVVLWCRREKRTFLRQRVEAKLAGILFHQNVFAEALLL
IDELLGELKKIDDKQLLVETHLMECKIHFGLRNVPKAKSALTASRTAANA IYVAPNLQSE
IDTMSGTIQTEEGDYNTAHSYFLEAFEQLDQMNEKPQATKSLKYMMLCRILD SLTKTLKL
SAKGAIGVDKTGAASGLDISNLVTSKQAVKYAGRDL EAMQSI AKAASDRSLRGFEKVLAE
YDAELQSDLLIKHHLKILQEQLLESNLIRIMEPYSCVELTHIASLMDLPLPQVERKLSQM
ILDGK FQGI LDQKGQLI IYEEGEKDKAMEKGLEVLEHMDEVVTTL FERSKALRTLML
>comp16269_c0_seq1; 736 211 1818 LEN=1845; translated
MLALLSRQSLAWTLTKHCGGPGSRTLAASSVSSRMLTSL SADATATPAESPATADRISRQ
DLSLDIRTIVSDTDMVL SHMKSRRASDEALEAVNTIASLQSKRVALIQERDNFLNQRKEA
SAQVQQLMRKLN SKNDEDVDKEAAAAEVDKQKEL SATAAEGAQKADEELESIQKVMDDML
AGIPNLLDDKVPDGD DENENEVSEWGDVEALPKKLEWTEDFEPKWHDDVAMGLNGYQSE
AAVKMSGTRFVALSGPIARLERALAMFFLDLHTGKHGYTEVSVPIYVGRSALEGTSQLPK
FQEDLFAITPESHTCNGEDAF LIPTAEVPVTNLHADTILEEKDLPLSYVAWTPCFRAEAG
SSGRDTKGLIRTHQFQKVELVKIT TADKSDEEHLLTSHA EACLQALELPYRKVRLCSGD
IGFSARHCYDLEVWLP GAAEYREISSCSNTGDFQARRMAMRYRPEPPPAPAGEEGK KKKK
PKMKPELCHTINGSLAVGRTLVAILENYQQPDG SVLVPEVLRPYMGGAEILKA

>comp16270_c0_seq1; 173 355 861 LEN=942; minus strand; translated
MVPRCSPSLALPPPIPKNPFPPFRKEALNRTAIVPAVGLPNPSTFSTLFSVPSSVLAEEES
FLRAETTLMLAMLASASPTGSLAAPNIERDVLLALFGLGFDGSGSGVEKADTDPTDAVPKV
NTRPVTSTAQTAPNHRASEATEEALFLLAAVCVFPPESGPNVFIIDIVP
>comp16271_c0_seq1; 953 66 3131 LEN=3131; translated
MSNHDDYVTLNMSKDKYDNGRFFCAETQDQLGAAYRAFVDKEELMVPDFNLLQPISDKEA
SDLMEALRGDYKEGYHIADGDMFLLPKSRVFEERLEHSTFDNINLESNRLKFRFLTPFII
KAELKPLGLAFAEVLLTIVYILTLSSVLMHGFTIMAI FVGGVSLFLLLTIVHFWYGISRYP
SIWNSITPHGLKGPSIDRNFSEIRQICSHHCNGHNHTYSQLPQFLITLPTAIYHANAF
VTLVHVFVKISRNGGIGSKLPPVMTSVFISNILITYFWMGTSGIIFSACTVFFNQKA
YNSLLFNRLDKDFCISLVFGNLMIEEKIAIDEKAIALASNGHEHDIENGIQVKKAEQGE
FKSMFEKPKSIFEKPVADASGSSSLPLGDSSIDRSPDEHTPPSNSSTEPLQSTLMSTIQN
IASYVSGEETANNKESKPEIFHDDFSQQTEDMTLQYLVTVMPTTPTTTATMINVDTSE
DIQAGQERSEVNTTEEPHSTKSREKFFGLSRRIFPSPRRRKSSKREFPFDERAEDELSIE
FKNPSDVHIDLDDHIGTIEWRNAISESIQRFRMKS YTLRKH TWVMNQIHGKSFFIKEDGK
RRRKLKRKEIKAYCKAFHDKQMHLLNLQISGILEDLKDLDKKNHNTKSSSDHTRRSLGNSKK
SKCSSDHTKNSFINIPSEMNGTEDFMNPLTESGGNERKSTDQHIMDDRNDQAANAVVAS
STRDDSI VQSSKDISTLTESTDDPLEHEQENNNEDGINARSTPWITGPTLYPKDKDTV
ADSESSCFSEKISVLLCSPWSENMNLLRDSNSMKDDRDETENDKADDASNAPQRQNNGL
KGIMKDTGHKMDGENSVGLLGGKEAYWRAFVEEGNASKPKSSDNTEETNLSQTSRDTDDD
GSVIPGGDSKPETGRKRYPWRS DLQRKKIEKAREKRSHDKDLSIKKQKRIASIFKAKMKK
GGRSAGEGGQVRPRSPRITRKRKHGVYQPCDEMRHDEKEETKRWEDGGDENRDEDDDD
DD
>comp16272_c0_seq1; 656 195 1235 LEN=1288; translated
MRVVLFS SIVLSASAFLSPSPQRIAPTAVFSTAEADIDASVEMAKEELLQLSRDFKEQYG
VILIDTKAKESFRKAVEKLESVAEASTDSSMLVGDWNLECSSASSGASSKIEIDTNKIPF
FNEGPLKDIRSTLND SVGVVQRIKFGEMSNSIDAIDHII DYRPPNQLSSFLKNIPDALKN
LDINPLKVS DTKVVLKHKAEVEGTIPVIKTKLSLEAVVNVVAGESKNLDPNGEDVLGINI
PFGEFLNAGSFDTTYVDDSMRISRKVGVPVDQIRV FVKADNTESDADEEVVAATVVEDDD
LDDDEIVDDDLDDDEIVESAVDAEIVEEKEDNEDADEDEVSPSDVEN
>comp16273_c0_seq1; 447 85 1227 LEN=1416; translated
MKNIIAALILSLQISGSPVAARDIDHVRADQDMQQRQVRVLRDNNAPLDEDEKAFLKRLLE
EKT LRYAKDVSESTNERRNLAKDDSDPLAAAMRKSGLRKINDARKLAE EASEEPEDNRR
LQYGGSYNGGYNGGFNGGYS DGYDYGNGGGYSGPYNGDYNGAYYNGGYENGAGGEG
AVGAGSLVLGSGAAYRGRVGIPEKVS MVLEAFQDSRRIQDP IRLGPDSSYLNAGTQYLYN
NEPLYNVVFDVPPGGSRGAYLINEQDKVAVVSGSCIRTDPKLQYIGRAYCQFDYRFLDGR
GQVEASLSVEGPI SKGDVHTLAITGGSGPFKRTVGTVVLESGRRLRNGVPPVFI PDDQLDL
PSSYMVKMFVFMDSVDLEMS
>comp16274_c0_seq1; 274 1 769 LEN=957; translated
QTINELLTTIQTITLSFATRPSFGKAFFLTNTGTLAPS AVASASTLASTSAMIENNVPRS
FKSDEYIVDDFIEAASEAADQRAEARAAIERTEDISAVPKKTA AATTRQNP IDIFGIDHV
VLKVD DLEGMTQWYEKVLGCKVARRNEKFQMVHLDAGSSLIDLVDKAGPLGGGDTKNKDC
GGTMNRTQQKMDHLCGLNDFEDAIREHLLLHGVTIVMELGVRYGKGGFGESLYFEDPE
GNRIEIKKSQYTSVA
>comp16275_c0_seq1; 232 298 837 LEN=1655; translated
MVFDFFSTSTTSPSHSYEESALLTGDEKSVIFSERVKVVEIPSAKHL SKKDKKALWYAEP
GERFSKKPKLRQLLCVIPDNRDDSSDSEDEDDRGFSRPELRRRLPVSAVLVEQNAQRESG
IIDDEFIAKIYKQCSAHSTMKAQIRAMQDEEEARREYMATESRARRKSKKIFQRM LER
>comp16276_c0_seq1; 186 415 1428 LEN=1705; translated
MHLFVFELGLIAAVASNFLGLVTAQTD CSCGIDSPSAGSFKCGNNIYICPGVERICSKQP
SKNGSYVVTEDQCDKMKTLAIGQDCIALPQHADVPIRALSNRVCYDASP KGFNGVKADG
GGCEACKDGIDLFGPEGLGVHTTEPSVQASGTVAPSEFPPEDESIQTTACPD DIRLLKQD
GNTPF PENYRGIQIIGQEPSAVTVDLGQHWTVPITNAEWS DGGGVH SVFYAFKENLFSYK
CYEEENAGSDGVVFD RITIAACGILSRVAHLEICVADESGTIIDSGDHAVIPKCCHPDIPG
EVPTVCYHFEIQCTQCLNNDYDALDRLLRS GSSVS
>comp16277_c0_seq1; 545 63 1430 LEN=1527; translated
MKSII PSLT PSLIVLAVKTQTTTAVRGRSSVSDGVS VYSNNRKL SWDMDGWFGNVWEQIT
GSIGFDTS GDYSGDEYVIQNPEDANGNGNGTNYELPTDWEFPD SHWDWNEWLSNLLMEST
NGSSGFLNGRGDGFSQQNGEGLGDL LDGLDFGNLDFGNIGSDGLDVCALVELGIGMSASF
GIEASCVCSSGLATSGTVNGNDQGLEIRCSFDECAPGDSEVCGTIDL TLEFGGQANDPIV

KAGVCTDFRNDEFEEETCF SYEMSMEATSTEGGDTSQQHSCEASYGGNPCECSLLDNSMNL
PCLSIDCTPFLPGGKLVDTQCQVLSMVDANNLANWFPNF EAFVPGFDLGPGLPNNNGGDD
NTNGDIPDPEEDLPVTINIP EADKNNENINVVNGTTDP IRPSIGDSEGESNGGITV LQAN
EMLDSSDSYDISLSRTSSARIGLLCVTFLLLAVQ

>comp16278_c0_seq1; 600 198 1763 LEN=1991; translated
MSDEESYEYDYDDDDMDEGGFYTDDEEEANDSEVALENAYNSKGLRETDLQEAAEAFE
QVI IQEREELASNHGDGEPKKYGPWSYKSIKQLVKLQLRTGTTQSVLGAYSRLLECVAE
GNI SPNAVEKGINGMLERVASLLQGNAMRDMGLSANSNSMDPPKLALAVYDSTLKV FHPT
SGSCPNERLWFKTNLKYGQLLYETNETVKLQQVLRDLQTTQE QNNINSMTDGGNSSTCNT
QSI E IYALQIQLYSRQKDNKKLRQVFNKAMAVRGGIPHPRTLASI QELGGKMHMQAKEYE
AAGKTFQAFKSYDEAGDPSRLRCLKYLVLASMLHASSINPFDSQEARPYRDDPEIAAMT
NLVQAFQNEIHKFERILKNKERIMGDEFIREHVEDLLRTIRTQVLR RVIKPYTRISLQ
AIARELNNIPVRDVENLLVGLIILDGSLDGRDLQVSGVLLKKA EKGGSGNDDKKLAPTSS
SLTELKFEAMSQIAKVLEVIAS TTANSRMGESTTNTMTGMVR

>comp16279_c0_seq1; 735 32 1216 LEN=1253; translated
MKFISAF AALTAGSVA AFAPS AFTPRQMGVASTSSLN MALADGVKPIVIGVAADSGCGKS
TFMRRLTSIFGGDVVGPLGGGFEAGSWETNTLVSDLT TVICLDDYHLNDRNGR KESGLTA
LNPLENFDLMEFQVSALKNGETVSKPIYNHVNGTLDTPETIEATPIIIF EGLHPMHDER
VRDLLDF TLYLDISDEVKLNWKIQRDMEERGH SLESIMASIEARKPDFDAYIDPQK DAD
MIIEVLPTALDEEDKKT LRVRCIQKEGVSDFNPCYLFDSGSSIEWVPAADKLS SPAPGMK
LKSGPEDYAGKASQV VEMDGNFDNLQELVYIESALSNTKTKFYGELTQAMLALS DAPGSN
NGTGLMQTLAAFAIRDIYEKKT AQAAKATAEATA

>comp16280_c0_seq1; 370 1 1846 LEN=1983; translated
XKTIVCGTECHSPRTEARPNVXAVKEKKFEVFSMLILSWNVAGLSTTVEKIDKQYGDRTK
RRNDPSSVIAHFFQRHGADIICIQEAKIPKSVLEIRREPLRCAHIAGYESFWSCCV DSTK
RGFNGVVTYCRKGTVISADSKPLSSPDLDDQGRCVMTDHGRFVIFNVYVPAGGGQPLSYK
MKFLNGLRQAMRKQRESYKKEVILVGD LNI SHREKDVFWGSRKLAINDICKEVQDEL PDT
SRQKASEKS AKKRPLPKWKLDLARTWPKIEEVLKSKKTQMVITTNPRTKEKFEKFRMSVE
MDGKQILLGDHEEKPDYCEYNFDFGSRHYTCSETGKQVLAQEEKIIALATVAELLLKIGK
IEWNHKLQRSIASTDGI CCRVSPRRWLNEVIDDDGMIDCFRFYYPNAEGRFTCWDQFRN
RRYGNQGARIDYTLIDKSLVGLSRKGHVSSLRCGNCGGRCHPESEAAALCAATANGGYQP
VSFHGGGIVEASQKVLNTQFGTPHTGHIYTPPTFSDHIAVSMLLDNSCCSCHLELQDQDK
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PKTSVSNKRHKESR

>comp16281_c0_seq1; 649 80 1969 LEN=2233; translated
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DSVGTDSYQSASSPPPGRIVKNVISPSSSIGQITSTTNSSTVDVQKSNSSPVLTLASAR
LSHSPLLVKRRVQSSEDEEFSNKTSKDLRSDSPFIAGTGRPSIIRRGSSVLV GKRA TKAD
TGSQKTSQSTPKVKVIEESSGVSAESAKTSSPNNTEHSGAIDAVAAASAMTAMRNKIPVP
SAPTSKVKG TATTSGKRQLASTNQHTYTPPHQGFHPSAVVPTTFH PHLHSFAGHAFGPNG
TYPMVYPGYPPHVPSTAPPLMLPQFHGHPVHGFPYPPAFH PHLNQRGGQHIPGLVTP
HAHIPAATFPPPTKSSNGTKNLDSKLEQCVNSATTSESGADRKPVSANRCVPLQEPVPS
KHWGKAEITTKVVLPDFHRLVNYPAYLSKSRGIATGDSSASKAIAGKKHCVMCGKLRVCS
ASSLMEKGRAAISDDGTAHIIPRQNKGLCTACDVTVWVMTDGLEIKWCKGCKNFRQWAA
FGEKGSATKCVRCRERQREKYAMQKDAKRARKCTKQGG LKAKGRQEKMARLLPSSSSTNQ
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>comp16282_c0_seq1; 342 140 1147 LEN=1248; translated
MTAAIAKQIPIVCPGHTRPLAELQYVNVENDDSN TADSSSSVFLLSACHDKMPMIRDGVS
GDWIGTWQGHKGAVWSCQMDPTGNLAATASGDYSARVWDAITGQSLVELPHKHIVKTCVF
SPNSQRLATGGKEASLRIYELPKILVKQNNGNKKPDATEASPSLEIPQESPITKLAWVSN
DQLLCSMNGKIYLNWNTNQSLIRTFDTKEGAEIRDI EVCAIAGSQKLVLSVAAGTKVYF
FDLSDSQSCKLLKEYKMPIHFREEGVTLHPSGKRFVAGGSDLWVRVDFDFETGEELECHK
GHHGPIRCVRYSPDGQSYASGSEDGTIRLWKTSPA

>comp16283_c0_seq1; 606 194 2473 LEN=3942; minus strand; translated
MVATLVGHTRCSPIRS YIDRIRRKLVVTANVGRPCHREQQYTFYNYNRGRMVSSASSSS
ARYYDSHG DYQADAESGYFMTSSSIYSSSEGLATAPPPLFQH QDSLPRFPV PDLADTIER
LKPTCLPLAATDRRAEERENFLRACDRFPEQASHLQRQLEDRASHQENWLQSWWNRIGYL
QYREPSPINVNYLFQLPKTRGKHYSQLQRAARVLHSAFAYS ELVQSGSLPQDVI GKKSTT
PLCSSMYRYMFYSCRIPKPNQDVYRVYRSRDHCKNSSNNSDEETSDFQKHAVVSVKGHYF
SVDLIDPSTGMPYAVGELELALALEDCVSQAILISRQTS DGGDEGATAAATAAVKNLGI LTA

SNRDEWTSNRARLIEAIPGMKAALEKLESGLLLLCIDGEDNGRNAQVDSLSONARSYLMG
TQGRWYDKSIQFIVTPSGNLGLNGEHSMMDMGMPVGLCQYILGQEASPNKRETEPKQKHP
TPLFSPKVAPIFANQITILKELTNASLDETCKSMVQKATADFDKIRSSLDLEVQSFQYGST
WIKTNAKCSPPDAYVQMAIQLAIGKLTTSKAFNGNDGSRYPWPATYESTQVRSYRYGRTE
TRSVSEESAKWVGSMGLGNSNAEELKGMFHEATQAHVSYIRNASQGGGVDRHLFGLQMLL
AEQEKQNKQAVDLFEDPLFVESKTKVSTSTLPVNPFGFVVPDGFVAYHIESNRIF
TCTSYKGLAPALSHYLEESLVDKEMVLKADNPNDRSKL

>comp16284_c0_seq1; 829 57 1214 LEN=1214; translated
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DEKMTFIAEVGTYFQAI SQYLPKVKVQYCEACEESYDYCYAMSTGATYYPEGYEPEEEEE
EEEEAEQEGEGEGEGEGEGEGEGEGERRRLIKKARKLANRKLANNQVIKVFDCGMCAD
YECLDFHEKTANAYDENGDYVEAELDDAMEWLDGFSECAETNAYMDDYQIYSNLMCNAD
GTGLEIGLFLNDECTLYTPKLAYKDIMQDADTTYNMI SDVVVEFTFTNEGIECYNPEVW
YNEVDYQYQLERAQNGEEEEEEEE

>comp16285_c0_seq1; 613 307 1244 LEN=1244; translated
MDTNNNDGVPFHDSIHPPDLIHLNMDTKASDSSPVPSPDPSPLSTPPDSPRRPSSAFRNGNS
LDTADSNEEEEEKKEEDDGNQTEKEYLVAEDVPLDEQENNVGMSSNKNTVSTNSETGNI
ELPSDEPAKIAASTVMDEPEIKKEEKTKIADTPSQSEKSDGTPFDEASKNSKQONEMEDT
NDKSDQKSEDEQDAESASVPDDEKKSNDMSPPKVEATKIESINDTTTFEDTNSESESEPPS
LSSPALSLEKMKKRLSDQGLSGFSESEEDMKVSKEATSPPRIVVKGEDINTTVGDKKTP
EAASDNDVDVVSX

>comp16286_c0_seq1; 691 314 2149 LEN=2291; translated
MTPSSSESSEPNVSRVGVASDAFLREFFQSDIDDVNLPPSMSIIRRSIGQLASGSDIRG
QFVPHPVTRMASLARSIGQTKLPALTPFAAHCLGFATMVKEEQQLKKEDEEVIVCI
GRDPREHGSILADSFARGAGGLNGVKVCYAGIATTPALFEFCRSSLCHGGVMVTASHLPG
DRNGFKFFDSYNGGFQKWQIKKMLDIAQDHAHVWFNMGVLPPTNVGHVYCDEQVNWMECY
QEKLKSALLKHVKMQSNNEQPLQGLNIVLNAGNGSGGFFQKVLADLGANVDGSINIKPDP
SFPRGVPNPENKSMIQDTIEACETAHADIGILLDTADRFGMVAPRVFSKIITSQEGKEV
LFQPSGYEPVKNRLIALIGVIYARQSPGCSIVTDSVTSNGLSKFLEEDLNLNHIRYLRG
YANVIQKAKSVNSEMSANA EVAIETSGHCALRENDFLDDGTFTAIVKVLGLLAQEMKEMES
STPKKNSLLDLSNLEELDEVIEFRLPGKDGSLSVLRLFDLIALDIETHCEEQSEWSID
HENLEGVVRVGTGKGGYFLLRKS LHDPVMCLQVEASSKKVAKQLITDPLLGLFRSEPVQA
ETLDLSALEQY

>comp16287_c0_seq1; 418 85 957 LEN=1671; translated
MVPTNNLRIAQLLLTLCLFCRVGAVIVITYKKEEQCMEKTGKFFETAGKELQEMRHEFAAS
LTMGMTSKDTMSASYPAEMLKDYDSLCSKYGGKLSIKIDFFDCYLLSGTPEDDVELTLK
YFANCMADVEECEGFNQEHIIQEAWKEMGLKCELEAEETKKDSKKNKKKPVNDPDTAKKE
KEAAAKGANEAEREEKNEYVPKEERDKNGNRKKKGGFLGSFFKFLAMGVCWACYVVF
RKRGRYPIEIPFFGGSAPSRFQRRPQTGFVSDYNLLSGESELQFSSNLA

>comp16288_c0_seq1; 232 76 468 LEN=678; translated
MVRMSVLADCLKTISNAEKRRRQVMIRPSSKVVIKFLRCMQQHGYIGEFEIIDDHRSNK
IVIELNGLRNLKCGVISPRFDVPVHEIEKWVNLPSRQFGHLILSTTYGIMTHEEARRKK
TGGKILGFFY

>comp16289_c0_seq1; 427 97 1188 LEN=1650; translated
MENNAQKKIAVTGANGFIGTHCVVALLEAGFSVIAIVRDPSPNPTKTKFLEEEASKLGKKE
LLSFAAGDLFKEGSYDDALEGTWGVVHTAAIVNMDSNTDPLVVKPAVEGTKNVTASVKK
HANTIQRVNISSVAAVFSGDKPAGHVFDVDEDWNEWGTPERGDYGYAKTMAEKAVWDDA
DLISAVDTVSLNPGVVLGKAFKSHAVTSSTSF IYNVLAGNP IGNPMPFVDARDVSKA
IVLALTQDKEVVGKRFILSSVTMDSLNLNAIVKKSHPKGAAGSVFMPLFKALTWLGE
KLPFLRKPLGWKEIWKCYGNVYDFDGSKAETVLGIGKYRSIEDTCQVAADSLVQFLDEDE
TSK

>comp16290_c0_seq1; 200 85 819 LEN=1188; translated
MLSRCHITNILIFVVCFLQAKDAYGGLREGTKMGNDARKKIQGGESNAASGMTREMF
KDKTWELQPVDFSGIRNLKLRHCEKFLNHPKMKLSNRQKFGFLRAQGLQSGKRLRGF
WRQSTSKPSTEELSKLSYDEAVKRLTTIEFEVQLPPTGKKSRLPSVIYSVAVEPASMN
PKAMIPRGAGTVRVLPEGHSDVDVVALNAGKAFVSQPMKSGIVDPGWAKGRLIFRGR
TGSV

>comp16291_c0_seq1; 434 73 1077 LEN=1188; translated
MTAKNKRRAASRMKRAEREEKMKDIPVYDGENKYSDEEPPTLESTYKPFPTTAQLGALV

FLMAGVSKIYELSVLQEDKLEAPSCMIYLNNDETTTCQHPHFQSLVQAKYYS AISLTGLV
AIYVLQLWQSEYYFMKFMNCLCISPLFTTFLAMVALPFTVQSATEEGVLSNKKMWELCTV
LTILYGTVAPKSTDHLPFFFTGKKETESVDLVSPQSFGLWCLLGASLWDIARVFFYTAYSSN
VGVQNALLDTPVPFPEPAKVLVYFWMVDKIAMVLLYAFVHLPNFKQRAILLASLGIKL
CEYYAQIPSMDDSWQNQDTLVPMTMGLAILSGVGW
>comp16292_c0_seq1; 424 1 1254 LEN=1515; translated
PKTMPDQWADLSQFLANRVRSYVTNKNRNMCGRAAQTIHAAQIAAKDFC SSSYQPD S STL
STTSKSIPIVDNFNLSPGMDCAVMSVNESGHIKVDKWKWGLISKRGTSKKPLYANENDIM
KLCFSSLCFNARSDTLYSKPTFSNLAHRGRTCIIALDGYFEWKSQIRSKQPFFVYRKHQG
DYEEKMQYHERQPLLIAGLWTRVATGLAEAPVLDSFAMLTTEASKQIEWLHHRMPLCVWD
IDLAKRWLEQPSETLKKELDDAARSYGDVFAWHKVAPEMSKLTFRSKNAIREMKDTRRSV
KHFFGEKRTFSEEDREENITGNSSVKKDGEVQSSSFTKRNN AIDERLESKLAITTAGSMM
EESSTGTGKGGKRKSTFSAKSSPSKRKLSDKTQRGTSTTSNYNRKQLSINVFFQKK
>comp16293_c0_seq1; 435 249 1961 LEN=2122; translated
MKAVFSFSLRYFYVTILSLFVLLIYAVLVDVHGFENNGSLLQORTGPSASFTGQTILRQP
FSLGTFHSLTTTKSYSDNCSFRINPNRLRTGTTLAMALGVIPTLTKWKIIPSGSVIGTVS
NHPAIADGDVITTSPIENPDLAARQTTVTTASGSKYRLLLEPRGEISAAAREREAFALAKA
MAAADAQFAADNNSNGNNAINAMPDSSERNKKQSSPGFFGGWAGSFNGSGNKKNAAVE
EUVNGEISEARKKELLRSSPEWQNAVRQYRLTGDTVGLEDEYLLADKPERSTSGKSNIWE
AYKTDESTGLPVAKAVPVCLKISSNLEAISREYENYRKL SFLGIWETGRFVRCYEFFPVA
GYDKKFRDQCALVIERGARDLKSFLNSRGKLEKKELRDACVSATECVQALHRAGLVWTD
MTENFVVMPSGEVKIDLESAMPIGDY PVDYSPEACPPPEFAAFLAGDGPYFELGTSYDV
WSLGLMLLELSTGKGYFDGKTPAQITKLLRDIDEGEMTRYLENVECDERLKD LIRRCLQK
DARKRPNTAQILMHPYFLAGNPF SFLSPMN
>comp16294_c0_seq1; 889 379 2484 LEN=3069; translated
MNTTAFRLRLVLAACVASSRGLRGSTVPATAETPASDTNANANEDHENSVDNKNRDDA
PEFAFDEQRHRHLEPGETCNLVLRAVEHGPDVEHSDPYNTQEWGCILKGTDSKVRFDIV
NQSAGSPIFAEAVSGKSVLVASEAIVDTIEPKMYIPRHASVELQEEPRNGLNEERRVDED
NEPVD RVMNALVVRVSAKDSSPQQNVKQLQNDVFLDDHCLSSQFEACSYGKLIKINPYEAP
GVDGGVVEVALDYNLADNDLRGVLQSAAYEAATEKVG NLMDDKFDLVLFCMPPGTGSWMA
YAFVGTGKFSFYNDKWCYSVAHLHEVGHNLGLAHSQGHEESEYSDQSGAMGFSYGLDDQQ
ICFNPAKNYQLGWYKDKVVDYNPLTSNKTERIFTLNGVADYKTGSPDANISVRLEQDAKV
VDWYIGYMRKTGITQDIVEDGDKVTVLTKDAGFPNEYGLSTKHAALGIGDSYVIQNFNGE
KHRDVRITYSATKSDGRDAIVTIADLGRHEDSPTDPCAVYTVELRTDNFPEDNSWTVFEH
GGQGRAYGSSPDYGDANTDYTHNLCLPYETEYKFVITDVYSDGICCNQGEYSYRIKDPNG
GVVAQGGQYSGGNDHFVEEHVFTVGP NPNADLGNPQNP DNE S NCADTVGKFFQWHKKKKK
KKWKNCNWIARRNKCKPLPGVPGKLLSTLCPRACNTCGDV
>comp16295_c0_seq1; 288 105 1052 LEN=1362; translated
MIITRLAFLFQVTSTVGAFAQALSPSVATTRS VSTRLQVTPEEAIATMSTSQENIIRKIKS
TIPDLESKDDFTWKGTDLVLDTCPVTL DARDAAGPSNVAWLSSMCVDSKMSSLQIFNGPL
NDVPHLVSRCAILPDAKMRLTIDFRPRAYGAYEMRRPDG SYPGPDELGRKSF EYSGARSD
YDKKFGTEEVKEFLTSLPLEGAVPCDVPTEL D L LTRGPLYTSLDMPMTESNIDVVVAAR
EKAAAYWLDWTQETEHEHRPGAPINSQYVYDTKYKQNAFGALMSEY TALFGAEGGKRLAI
GDSGPLDEAYVGGAS
>comp16296_c0_seq1; 126 590 900 LEN=900; translated
MYFHPARAINLVS AKIADGRYDEAIESLALTLKTLQLAISGDAKIHICWKACSSPERCES
ERDNASGPRHRHPCSAAGFRYEF LSSRAETDMDT NMDTGMDTG
>comp16297_c0_seq1; 237 154 996 LEN=1082; translated
MTNLSGRIALLFLSAIHFCVTIEVSATGDVSDAFHAYRASRYGKMPDDAESSAGVRGGT
SIGIYRGEASSVNSERDEEKIGETKPVGSTRAGMNDIVDIGHKPESCAKATESILAMNE
DIRLEVASVDKRYLENASIEDVCDQH GKDSNCSFDFRRFP SKLQDVCERHGDKFYETEHS
IQCYNAKTKESLYYQFDHYPGCFSAACEELDVEQLMADR IESITQIMSGYLGMTCFADDE
ILRHADEYSSMQESSMQESSGVLTTRWGRVQMLPIAVYLLL
>comp16298_c0_seq1; 173 87 668 LEN=1381; translated
MMQRFASLASRSVFSSTLSLAPASRCFASTPVPEVDVIPFVHHGRRPRYRDYK KFKSPR
KRASKLFGDLNDEACEK GKKANPTIWHETICVGD SVELKMVSQGLKEVEKQELEKIRGV
VLGIVNRGLGSSILRDVVYGLPIERRIPMFSPMIKEAKVLERNFIFK GKVKRAKLYYF
RDRNPLLTKVSKY
>comp16299_c0_seq1; 562 209 1648 LEN=1826; translated
MADSTPNVDPKH FQPLGTWTSEELNQSRAENPFAMGWAPNAARHVVPNMTHGEGVLYYDD

EGKKYLDWTSQAVCSNLGHDLPENVIQAAEYQMRLLPYSYGDIGQSEVKTRLNQLMNEIL
PGDLKAAIYPSSGSEANEAGIMMARRYTGRQKIIISWYRGYHGATSNSSAATGDSRRWFNQ
EGPGFIKAFNPFPLFFKPGGPQATEAEQVEAALAMLEETILNEGPDNIASIMTESIQGAG
GCVIFPDGYLQGVRALCDQYGILMHVDEVMMGFGRGTGKMFQNYQGVMPDIVTCAKGIS
SSAVPMSMLACSEDILNHFENKSMGWGSTYNGHPVAMAVSYESTKYLLQNNIVGRTAAMA
PLFEACMQQLVEDHPSIKQYRAVGLFGCLDVQDVNGKNPKLQHEAPHEAFHKYKKAFAKDE
GLVGLHRYPHIHCAPPLSISEEELIDGFERLDRALNVLDEALGFPPQVTDEDNAQQQAV
>comp16300_c0_seq1; 402 139 966 LEN=1353; translated
MYKMKYYLFGMLVMALVMVVRTTKKIDAFSTGPALAQIPRRSSTTLHLKDNNDQERRGFFS
SVKRLFGASVLVAGTGVKPLPVLADETDTSSSGGRIVEIQVSNLDGGESGVIKIQMKPDW
APRGVARFEELVANGFYNDCRFFRVLPGFIAQFGINGDGPVMSKWRSSSIPDDPVKVTNS
RGTVVFATAGPNTRTTQIFINTRKQGNFLDKQGFSPFGVVLGDGMEIVDMLYAGYGE GAP
GGKGNQALIQKKGNSYLI EAYPSLSYISKATILN
>comp16301_c0_seq1; 373 32 676 LEN=831; translated
MAKFSALLASLVASASAFAPQQTASQSSALKATGFEEVGGVFPDPLNLAKLGTGESFDT
FPNMFDPVQFLQEAIEKHGRQAMIAWTGIWATHQGGMGLGMHIPGFPEESDWTQALGVFA
KEQPGWFAGILFFIAICEGESVGHSGDNFRGKSTKTPGDLNFDVLGLGKNMSEEDAARYK
IVEMKNGRAAMIAMASLFAHESIPGSVPLMDIFS
>comp16302_c0_seq1; 257 303 706 LEN=706; translated
MAPTF SALDLWDPRTGHASTGNATLENSPRGLRNPTPSRFVGCENDTICDDWYATDDCDC
DYGTLAIARDAPPGFGSAFLCSGIALVAVVLGSVLVASVRHGRRGGRSGDTVATRDDVCG
GESIGGIDDDDDDDX
>comp16303_c0_seq1; 207 111 813 LEN=813; translated
MSFNGYNGGRTGMATKVLLNVYDLSPTNEYLFPIGMGLHHTGVEINGREYSYASEGGIY
DGPPRQAPGARFRCQLNLGTFDGGTQELNRALDELHRNNGGFGSGGYNLIRKNCNHF CNAL
VYQLLRKPIPAYINRLANLGDCSCLLPKELLGESPVGSGNNHPSSSGSSFHVPTRATMN
RGGGGASTNAFAGKGHSLGGSSGVAQPDLTRRERARKAALARLEQQQYQNKEX
>comp16304_c0_seq1; 366 113 853 LEN=993; translated
MISAPSATHAILMATILATSTSAFQSPMTSTSSSSVISIDREVESLTSSAPSVPQTKDY
AVANHDNERSFWLQALQNLDDDEQDDSHDSSSSSEPSHSMWTRIACAFAPSSIRENYLLDP
TQTLAEEAHLVRVGDNTLDISMAVPASVWKEANLDEMHTNQKAQRKDSAKLVSAPQEAA
PLHQRGDRRKRNNQHTVTIRIDFPEGSSFDKDAYTFEDEL SAVIRQVRLLEHDANDRLS
GLEMAH
>comp16305_c0_seq1; 224 94 426 LEN=912; translated
MSFPRTSTLLLALLVVVATLTHSADAFSTVQKQTV PASTIRSTALNVFGKKKEEEDLSYI
ESRDMTREEMLALNAKNEEIMNMELTAMTGFSLVLSLPILYLCWVAFFSD
>comp16306_c0_seq1; 275 1 821 LEN=860; translated
XSYKHVQTTLQNIQMCINQDKKSKSSRRRPRSSAGSPTTVFGNMDIVDKLHKGMQNEQPA
SPKTTSEKRKTKKSSASRKGKSVSFFKEVTVRQVLHKNNFTEEEICDSWFQADEYTTIR
KSVLKNL DLAKMDLFRGPESTYRGLKYTSTGGIKESIRRRRQDAIWSVLDEQDLQVDK
AEEQQLTYLVYDDKAIREVYKHKCRPTIDAARCAGRLDAQAASYENEPFEQTRCPTDSKS
TPPAAKKTPASIRRMGAPDTPGAAPLIPMAA
>comp16307_c0_seq1; 328 80 958 LEN=1167; translated
MKLSIFCLLLVSRDTAFTAPVSNASPKAISTASRDLRFFSAMDHQPEPSIEADAE EEEIAF
NPLPAATAALCLLSSEANAAGPDWGFIFEGKTGSLHPAMMFGMLALSASTALLGF EWRR
QRTIGDSISTLKKSLPDLAGAKSVSEAIKACQAAEEVDSVQLARLQ SALPIDSEIKELQE
ERKALAAKGPRDKHYGQGAMLAFLGTVFAIEGPLNTYARAGKLP GPHLYAGAGLVCLWA
LAVAAVPQMKGND AARTVHIGANVGGIALFLWQLQSGIPILLKVWEKTSWP
>comp16308_c0_seq1; 133 1 352 LEN=352; translated
XGMNINHTRDLVRMGNAIYDQGTGISDEQREADLERLSMCTWAFVRSMKRHL SPEKEDENA
FKAELYERLPKTQAQAIKAAHRPNRALYDL SLAIENLPMHFLRKNEMHAALTIFEDN
>comp16309_c0_seq1; 623 342 1583 LEN=1787; translated
MAQQYDSSYFMRILLGLCTVAKIFAFQSQSFHRATLSQTRLNVAVDPSTVTKKELDDIV
GADF EKDAMYKRLQTN EFLYPKHVEVIEDIGPIANAMVDEILLETGEASWQPQDFLPDLA
KDGWEEEVKELREMAQELPDEV MVVLVGD MVTEEALPTYQTLLNTFEGCDDPTGDS DTPW
AKWSRGWTSEENRHGDL LNKYLYLSGKCDMRAIEVTIQHLITSGFNPD AQKDPYRGFVYT
SFQERATKVSHSNVGRLAGDSGDSNLRRICAKIAGDEARHEKAYQTFSEEILKRDPGLI
MTFGDMMRGQIVMPAELMTDGVD SNLYENFSAVAQKLG VYTAIDYAQIIGHLVKRWDLN
LEGLSAEAEKEREYLCNL PQR YQKLAERSMNRK KKVNEEDPEVAFSWIHGRTV
>comp16310_c0_seq1; 226 110 901 LEN=1268; translated

MMKEEPPGGILDSFWAIFLQDYDHIDDDRNSVGSSEAETLSFDEYESFKEGRSDIDRENPL
IDANSKDEKELKMSILLDSLRRSNDLLTKMPPRHRTPISHESDIDKSRLQHNTPEHEYL
ESFNFKTEPQHRTQMKIKRMETGRHADLGREPEREPPKTI FIDAQSDVAKVDR TARAT
PKYNIREQNGASDDRNAPTELTRRQTEESPRDDQGGNYDEYLQPIEEESNEMDLKAAQRK
ELIRKIALLRIRAKQIRNSRGYN

>comp16313_c0_seq1; 121 1 943 LEN=1170; translated
XTTFLKQPQILALYCEFLSSDNNHLQPPDQDISHHNQKDNDDSYDRKLTFRSDNMKTQAF
ILLSIIVLPKTSACQVILNGEDKTSDFVVIDSADDDAYVDCGDHDKCRGAVISDCPVIK
CLGSECTDAEISNFTDSVVCEGVHACHRTEMTAAASGATIHHEQTVTCIGSGACDVAHI
VGNVDRVSCNGSKACRKRVIIEGPKLVKQCQNGRDGALACDGFATLETCKVYCGAKGCSDH
INTCRYKIIDDIESDNTSYKKCVPEQVVGNCSDDELKTELQLELTGKEEIDTDRVGGGS
KSRRLGASHGNRVY

>comp16314_c0_seq1; 452 1 1302 LEN=1554; translated
TKESVSIYQQHPSALYQGXSSASSKGGNESGLLEGALFRSGETEPNEDPLPAVPPAPKSKS
SSKSNAGHGI EATAASVASASSATATSLGASRYSSSSATSPDAFAELEHKNWQRGVEAYA
EGFGPLTAQAVPTLLEKAGFLEGDATDAQATATAKASLLDVACGPGQVLSAAISKAKMLA
GENGKGNLAGVSFTALDFSSNFLELARDNLGSEHPGTPVAFVEGDASDMAGVLGCGGRG
LREGTEENEAATPPPPLPKEGLFTSVANFGLHLSDPDAFLRESYRVLKPGGRLAFSA
WAAPPHTFAFGLVLGAVRDAGNPSVELPEGPPFFRSDPSECLRSLEAGFVGVETTVVE
GMEWTNLSSAGELYDTMLEGTARTRELLRQTEEEAAAVRGLLEKRFDELVDGRRPLRM
PAVVSSGQKPVVG

>comp16315_c0_seq1; 795 256 2595 LEN=3107; translated
MVKFSNQSKKTLQRKGQQLKSKFTLRNKRKSGSITLFLSLNKTKNKLLVHVPTVVLPSF
KLSSINIGSSGNRAANTIRTVHTSTGKSDGKSSSSTMPAPLGKILETKLSTSSDKTSGN
KANGKILDEKKNKRMSIKKFFHKSHRYNTRSSLDRTSAPDGDASPI SPKVVPKNATDDT
LSPRSIGDYSATYLAPVEQNEGI INESSPVGDGPDDEPDDNRSSGGDTADITILTATTT
PMRDDLHSLPATSPSTSSSDSAGFHQPKSPYIFADDEDSEHPGTIEVQAGASREKQEIT
MMEDNTDGGENNTVETQLDREMERLDERIRDREAGTRAVAKEQLCSPQINVENSHFVHYE
EQREENHIETEEGITTKAAAVTSNRKSERQIRLICLFSLLIPVALALPQFLTRVFETTF
YDQSAILEQANSFFLDAGAGNKESPMEGVTVVVSETESSLGKQIETRFEQLGASVESVEI
DCTDLRSVSESIDSLVERLHAIDYVVHTGNTCLSLQKEQTINENMNAILSRTAQGHVLY
AGNYLSSFLVTQKLLPLLEQSQFGTLVQFTSPFSTLVDESLLDLGEADSSAGFLLQQTHD
SGASTLLGLPVRFAAYAKLSEILQHRVVARAYPNVRTMEITQGWLGEGGVNSFFQRFVQS
GENGSTKSDPVLSSPAIDDEDLQESLYEWSQKAVWEWVKPSSPSSGTSVSELILGSPLGN
GGSSLAMDRTGEDGPASPSRYLPSTHQAVTVVTSAGVAMMAMKAKNILWRSTSSWWSLE

>comp16316_c0_seq1; 470 162 1238 LEN=1414; translated
MWGGNSMQPGMGGGQQQNQLKHDIFVGNLAFNTTEEQLHQTFSEIGRVIKVRVLVTDVET
GKPRGF AFVEFEDPQAALSAIRNMNDYELNGRRLRVNFSNSSHLEALASKLGMDSLQHQ
RQSSSSAANNATQQPHHSAGTNAVADSLKTMSKGEMYDIVAKMKEIADRPDEARRLLA
GHPQLPEAMLFIMSKLDMVQTALS VKSSMPQAAPMGIQLPVPPTRVADPRARALDPRAAA
AAASTSSSSGMGMSMASDPRSAVTPVAPPRAADPRGRVDPARAAAIPAPPMAPPPRPKYGV
PPPPMQPPPPSAPGLANLDPALVRQVMSLTPEMISQLPPHKQSSILALRQQISGSGM

>comp16317_c0_seq1; 343 118 714 LEN=1014; translated
MNTESSSFNNSYNFPVVEFPTEWGPSENDQMLFGTGEDPYGVTTFSSEADWQTDKMMNH
PLQEDDQMQDDAGAAFHTQPLEELFDSALYFDSEVDYPNITHEQGGFLDPLLSIETNDY
NYDDDDSIGLPLEERYKATLEKLQASMKRSQETRNLCTMKTATTEEYERVGSVKEILASI
SASSGQVQKYVTAIQRPI

>comp16318_c0_seq1; 163 1 367 LEN=624; translated
XEKLPTQTNFKTQRHTISKMMYRATILVAFFMAVATNAGI IDEPSNQAGVTRLLQKGGK
SKAPTMAPTKSTKGTGGTVSEAPSASPSAAPSASPTGAPTGAPTVAPTASTTFLGTSS
TA

>comp16319_c0_seq1; 190 174 541 LEN=541; translated
MASAFNTGNHRNQLPSTSQIFRAVVEEDYEGLAKKFAENARESIA SYVLSQRWAMRGE
SMAASEEKIDEFLQHSSQHSSSPMLEPKELNTSSDYLVNLRDL SAFISDNNHGAGFPRGL
QTS

>comp16322_c0_seq1; 354 456 1468 LEN=1515; translated
MATKSQPPQEPPLPQQDYQEEEQELLPQEQYHQQT PPPPPQPHEEKPFVPTISLK YAAKA
LLHTSEWNRRLQLGVKHWGRHRQHILSYPSHHYIEHQNHHPHDAQQSKYVYGNIPVNVH
PSRTWNPIQASSGRFLEEEELSLFHAKTSRSETASQSDSRPNEINDETEGASHWGPELL
PYLEHISEMLDIEADGVEVCLAMIYLDRACSVETLRSNGVPPCFPCAPRTVHRLGLAALL

VAVQAVRGDPHEMQHPSEQQPNPRFRRLSQSLGIPDHQLEEMVHWMQAALGDEGMYVTFD
EXEAMEPIVGVHFFVVSRRNGEPNRVELGDQYLADATN
>comp16323_c0_seq1; 287 152 1555 LEN=1645; translated
MKLSGNQATKQFLAAASISTLGGSLVSARIGAGLKAAPLKHGHDPPTTSIIISHQRLRNQQD
NPQRDQQREFYFEAIRKAVLEKDEQETHHLLRNSSYTTHTYENDVDHFDDDEADTGVLDP
YYSPAESPPLDSYQTTSTLLSSTCMMGTYGDDLYPAGDYLQRMETEGAFYWNMLFDQE
TNTVTCIQDRNLDAKHQLGCSNMYFKGCSVVKCLGKESCFDTKIRGADRIECEGFESCAN
ANLDAPSIDCAGDRACINAIVGDKDSLVTTLDCSHSGHSTCAYLSAYKVDEVFCTGPKSCY
GAQFDEVESRVFCQGIPHPDGYTPTCGGHDAFIEAAYGKNIDVVCSGDFSCFGSGRGEG
FEIDVGDHGSVTCESGPYGNHDGGTYVCRFLDIAQCGSYQCKEPALAFERSDFPTCNHI
YSADSKEMCTTNFDTGVERNFFEGLGNDDDDNFQLETFPKLIHKINR
>comp16324_c0_seq1; 293 96 887 LEN=887; translated
MISLRVLASVLLATSSSAFQLSRAKGSASMTLAAAPSPFMMPEPEKEPAKKPPPPRRQ
PPLPTVTGESGQLDVVSRLKDRILLGLTDVNDMANVLAQLLYLANEDPKDITVYIN
SPGGSVSAGLAIYDTMQFIPCDVQTVCFGMAASMGAFLLGAGTKGKRKSLPNARIMIHQP
LGGAQGQAADIEIQAKEILFTKASLNKFMADYCDQPVEKIAEDTDRDFMTPYEALDYGL
IDEVIQTKTSHIPLPAMPSQEAKT
>comp16325_c0_seq1; 622 172 1989 LEN=2227; translated
MKMMFSLSSSLPSTKSHLLVFLMLCGLKSIQTSSASKLEIVTSIQDDLEFDENKLSKH
YVVFANRPDCATNLWETGEEETSYGFAAHPIDEGDALAKVFPDAEEKNECMAACLERT
DVSLAGHTMPQFHYSRGGTLKGAQAKHFRSFWFNQHLKVEICFINYYVEERPLKVYWIH
PTTGERLHRFDLKYSERNTNCFSSFLGHRLEAIDEESGFREYVAEYATKAFGTSPSS
SQKFDGIEEVEKTVKNALDHEWSRHNMVVERTFSSSLGFAKGRLLDDIFANMGAFYNNRNN
AVNEEWTGKGVFNWVWETDVRVFSIPWHTKRVWQDRLNMTVSKWAGVEIEETSMYGLRQY
EEGARLLSHVDRIPTHAVSLIVNIAQNNLASPPVEVFDHGDRLHEVTMEPGDIVYYESA
KNLHSRNRPLTCKQGGCQYVNLFTHYRPVGDGRWHRNLSMPPNRPPPLSNGASEYDHGK
SSCRLPEGQQAQHENNTLDNHLGVGTVECEDRRLGSYMSPTLYRLNSGRDLFRWWKATAD
PNFSGFDDPDGTDADAYDAYELQGDEKEESFNDDVLDGDDGVYDEEEDGEYDEEYEEDEAED
GNDEL
>comp16326_c0_seq1; 476 81 1688 LEN=1730; translated
MTRISTSIQYKKRGRQCQETTSEEKDEATEKMTKIWSLALPWIVIVIASIAAAAFVSNISIE
TDSDINWSERSLTEGSSEHHRVHKPVYDENHAPLFLPMSDRVGFMTAICGLMLAAGGGI
GGGGILVPIYILVMGFSPKHGIPLSNVTVFGGAIANMILNTQKRHPLADRPLIDWDLILV
MEPLTIAGALIGAFNLKILPEQLLTFMLVLLSFTANNLSLKAIAKMYKKESTRILRQEGLK
PDGTKESELTHISKQEEEDMNQAGNELLEDMDLQEGESPGSGDRNVMMGDQTDAAQLQK
ILEEERKTPLFNVKVLVGLFIVVLAMNLLKGGGAFPSPLGIKCGSREFWIANGIIMGWII
FITIYIRNYLVKRNVDKERVGYKTVQGDIKWDARSTIYPSICCLAGFFAGMFGIGGGIV
KGPLMLAMEVHPGVASASSACMIFFTSFTATTSFFVFGLLDPRYGPVCFICIGFVATYFGQ
VGLSILMKYKRNYSIAFSGAVVLLSAIMMTVQSVLSIAEGEHSSGGICGKES
>comp16327_c0_seq1; 121 278 1028 LEN=1389; translated
MAXYLSHDAAVLVVYADVIERGSGNHEQQSPPGSGFRGASRRSLPNSKDRHFQEDGARRT
SASGCEQRQGGQRRAEHGSDDTRCAQAPFPPEPDHPEARLVVLPQNRPLLQGIRPPLRG
TLPVPRVPPVHPRLDAPQPRPGRAGQAGIPDPQHRVRCVHRTAVPLGGPEAVRGAQGIY
GAIQQVRRGIVDQHEGRRGPPGGVSEPAGLGRNKVKRNEIKQSNELRSETNQEPENPMN
YDESIEYLSM
>comp16328_c0_seq1; 296 101 697 LEN=919; translated
MAEYGPDWVNSGNNSAPAVSDANVDPSVTAPSANAGAEGGSGGKGNCLLGLLSLLNMGL
AAMMTALGVLTIIEVHKGTIGDLSEPFLLAFYMLFAALLFLYELMWWSPMKKLNKDMRKN
FGFMYGLRGKGLYLIFVAFLCFGLGKDAKVMILNYCTGAAFLAGGILHMFIIFFRPDTAM
EYQAPTAGIGTDLSENVV
>comp16329_c0_seq1; 218 1 691 LEN=726; translated
XTKPATVGNATSAPTQTPSTRKDSQRSSVTAQQPASQRATMVSMSLCRHPSIATEPshed
ATAAEHCPPGAEDASFGGEHDSDEDDEEGETKGLKVSFVPSNVFVLQAMEGASAKARVDL
ERATAAAIRRIHLAKRTPPPSPCSGKTSAGVVVPDQRKLRAPPRKQVLPWFLFLC
LVFVALGQAPLVRSAVSSRGIVANGFPPEQQSSLSDTSDIDLMRMLIVI
>comp16330_c0_seq1; 236 160 882 LEN=1287; translated
MKKSKTFHDKLDAATDKKECGVYLYDGFLSSGEARKAFDIFDDDSKFPWDTKPVLFGETL
TSHAYEHDRYQFRKKKVRRALTSNERDLFKLEELCSKIERDFDVKISYVFCNRFQDPKHR
MSWHKDTYGEHICVLTGSERRIEFRNNKTRRVEALTPASGDLYLMLPLRVNKYYKHRVCS
AMASWGKSNTCHDVPPEDITRLSFVFFFEPPEYARKEFRISTRDMLVGIVEDFREKTGFW

>comp16331_c0_seq1; 211 222 493 LEN=493; translated
MFKNLINKHKDKLAKPEGEGAVAEPADGDGKKKTKKSFFKVVKEMQAAEKAKEKSQDAE
DSKPKAKADKKEKDADSKPAKKTETTKATA
>comp16335_c0_seq1; 188 103 546 LEN=898; translated
MAVDQAPESKNEGPVSSRAETMKHDAPNQSLREEDRLGDDSPIGFGKYRGKTYRFVALND
PVYCWARGQDDDPSEMAAFHAWIDSRMIDLLSTAHALHGTEQVIGLDESEDETEAHDC
GGLDCDSSTDGGHNDEDRYVSDVEGDP
>comp16337_c0_seq1; 395 113 784 LEN=885; translated
MKAFIGILWALMSLAVAVASQQYYDDYGDNDAAAGGDYYQQDYGGDYGDYYAEDGGDGA
GGDTLYSDYAKHQEEKAMGVKGLNPLMKNAAAYGAAGWVFGAKFHSRRAVKKATVLAGKQ
QQKLYERYVKDVSALQLQNAQLQEYIQOTTIQQLTEEFLQADTNNDRKVSRLFERYKAD
YLKKHPEADPSMFPREFDFDPDHNGMVTLQEHEDYRQQGMIA
>comp16338_c0_seq1; 391 114 758 LEN=1424; translated
MKLLSLLVSLLAGSSSLAFAPAKIASTRSAAVAPMQMAASEELYIDEERRFLMNLILVGS
AAVTVGAIGIPYILFFVPPGAGGGSGGVPKDALGNDIFAQAYLSSKPAGDRSLAQGLKG
DATYLIVKDDNTLENYGLNAVCTHLGCVVPWSAANNKFMCPCHGSQYAPDGHVVRGPAPL
PLALAHCDTAEDGKITFAPWTEDDFRTGGKGWNN
>comp16339_c0_seq1; 225 231 795 LEN=1005; translated
MGPILLKAVSPAGTYLAADSKISEDVEGAETSTKNKNKTHSLHPDASDSFHPWDFDESE
MDLSSEAGIVSHEDEEGTFMQLEERDGLLPLSMENLFECVPCLLDQEVPSRCSPPSSQTM
IQSSFAPFISSLDGPKIKCPNKIQPTPYAIASIADQKNQLEAASHTQEKACKDLKHREEG
YVPFYVV
>comp16340_c0_seq1; 87 1 435 LEN=752; translated
QKLNLRPRYDSIGANNNNKQCQDGVVAKLKSVDSSAEATESEDYRFTALSSGGATTLT
TKGGEIVVILICMMTVIATFGEDNPKFDDGLDYLIGSEDFARDSSLLSTKMIXKFDDNRL
ARLVGDEDFAKKFEKAFKDNITES
>comp16341_c0_seq1; 183 71 268 LEN=377; translated
MGKPKKQAKNEELELSKDKKKVTKLESQIPYHEGRGNKEEVQKIKDQIEKIWTKTREAY
EASLQ
>comp16342_c0_seq1; 192 91 726 LEN=1061; translated
MDPESEPRSTPPEDKTSVATASTQKAVLPEGWSTAVSPIDGRKYYWNQSTGATSWTHPST
GEAAAAPAPVSSPIITAPSLGEFSGIMAARSAIDKDVETGKTDYAAMDDKGFHEYPD
QAVINSHRCYSIVAFLLFFPLGMIALCKSCSVVSKYHQGRYKTAHDHSQQTLLFSRISCI
IGVCLWSYIGYCLWAGPGPGVIEIPAEWPEW
>comp16343_c0_seq1; 423 382 1548 LEN=1793; translated
MASSSDTGDDSKVNLDDLAAAISSAIVAADQIIALASNGDGLDDAGDENKKNARLKI
DGSFVTDADMAAQIIVDALYKVVSSGIRIIGEENEEEMRKRITGHEKKLESFELARKE
VSMRYQELPCDKLPLSQSQGEKDEPVTAKEDVTEKDSYVAVIDKMQEYEVGTNRVTIWI
DPLDATNSYAKGDYGPVSILVAIIVDQIPCFGVICKPFGYSGQPLILDTGCMAAYGGTLL
GAAYIAGGSRLQINQNNQIVITKDLPRAVISKRSRQGIQNFVTHMAEKGLVHPDPLLV
GAGEKSLRIITRFENEGLWFFPSGGTSLWDVAASDALLRAIGGKLTDKYGNMTMDYSKTRK
EAENEDGVVACYDENLHSECIRLFSEASW
>comp16345_c0_seq1; 317 109 522 LEN=954; translated
MSGKGGKGGKGGKAGLQSPVGRVHRFLKNSVHQGHRVGATAAV
YTSAILLEYLTAEVLELAGNACKDLKVKRITPRHLQLAIRGDEELDALIKATIAGGGVIPH
IHKSLINKSAKGGKPKF
>comp16346_c0_seq1; 739 283 1389 LEN=1580; translated
MNAEGVRLIDKLNQTKKRKNRTRKGRHKRSLARKIEAIDSCHKIKDDYQSLLEACESI
ARNKNDDGVMTDGKDDDNYSNRDQYDEDNQYNDDEDDDDYDYDTDDDDDDIISDYEYDE
GEYSHLEYDEYDFSDSDSDDEDEDEDEDEDCRFKASSTLVLDLDDSFSDSDEDEDEDYR
SKPSLTLVLDLDDSFSDAEDKDEDCRSPSLTLVGLDDSFSDTSSVSPTGRSLTGLDGAES
IHLESHTERRDDKSPMSSASKKSGDFNTDTREGTQDDSDALGAVSSPVGKLIDSSSDGKN
ESIGDSPLVPFQVRNDRRNLAWSRCAARKQKSQNNNQEKNCASSEPHSAHCAPIMTRG
CFLFLPFG
>comp16347_c0_seq1; 361 100 1224 LEN=1375; translated
MTYLLLSALLFHQFSSTHVGHFSTSTPATWNRHNVDAERSNQDERHRLYDAMPPLYQE
QERLLVDRGKFEGLMENNASPISPSVSKGTGAAGKFAASSGMKASDLKAAAKVHAKELR
KSGVVRIDDIFPSDTADELREYVGLRERSEEQVRNGEVKPIARFADVLLKENRCDLTIP
LEDDVVVDALLHVFKTPVKGMMSSMLGKQAALYELSCLISDTGNSRQVVHPDTPCKPDQ
DAVLYTCFIALQDIDLTMGPTTWLPTHTPSAHELQDDYVGSSGGESSKDKLLRTPSPV

LGLLPKGS CAIFDSRLLHCGGANTS DTSRALFYFSFKNSKIGYPGNPGSIRPELSSKYTI
TSLEAELKQLKKR
>comp16348_c0_seq1; 242 1 1046 LEN=1046; translated
XNDLSPGEP PAVPTTGWKAVRRSVFLPRTLPVVL SALVGTGAQIGCALGGTLVLSLGA
ASFAVPGQVLTLLFLYASCGLVGGAVSSLLCGVFGCCKKAGAFATAAGLPALFLAAFLV
LNAFVEGARASTAASEATIGALFLLWTAGSFPMVALGAYGASWARPAPEPSKDTGGASDD
DENDADAADV PNASLAARAAYLLVLVGATLPMNIAGPESQLVLSCLWLGCAYLSPQAFY
LPATMLSVAALSALVAIGLCFFQLCREDHRWWWRSFWNPALAGFYFFLYGLYFMD SRLSL
AGLSVAIYL VYTSMMAVCFGLFCGSVGLLSSSLGFVRFYGRGTGREERDX
>comp16348_c0_seq2; 304 111 1510 LEN=1510; translated
MHKVCRFILYLWVLL LAREANAGAGERSEGRTEESLFAPPGEQQWVETEGIPGKSPSLGG
LAETIHLRTDWRQLDPAIASKLREGRPLDRRERKEVEWSEWSAYKAMRRDGFDEVNTRE
AIAMRNYRLRSMKQEQLSEILFPGQTPRDYLLGEALPVRMDLVRSRKTLMPLRYENLPV
CRYPQPRMRMAFQALGPRLLGYERASGRSPYRFVAGENKECTPLCFVRLVEEDLVRTR
INNQYRMYLEMDGLPMLMRS AELNYAVRGVPLGFKFPAFGRDTLNGNFVGDPIHYQDDAD
EKFFLYNHLKFLV TYRRVGGSGERNAIRITGFDVHPVTIDHKRDADSGDVSTCRGPYVAN
DPSRYFSL SAGESGHLDVVYSYDVEWENNDLAWADRWDVYFVGAPGGDLYRYGLIHS
LAKVLVAVGVAAAFVVRSLRGGSGGGKAGGGYDRLPASEDDDDENDAX
>comp16349_c0_seq1; 435 1 1014 LEN=1196; translated
KNSYNPILKKRKFNSHLSMKLAISVPASVFLVGLGASRVNGYVYSSQPLHRNPCTPGSR
RSDCSSGNGQNFASSPRKVPKGRFRINDSIVDRAFRDLQEELNGTYGDGVDVQFNWETM
GSTKFPFEKINEETAKKWLEKAFDLASELNKDFAAATPTERERTDEMIQKSRDWWVRH
YESGKTKAANDGGGSDSDMNQDNF SVAPESKIQDPKDMIGGPEPSLEANDEEEVLSEI
QSEEV PFSENRSNEEVFQVAVDLPGVDR TAVDVTLDGDFLVVTATRSTGSADQPVR
KYKTKVAFV ETEVDMDQMKATLNGVLLISAPKHKPTKRRKISIT
>comp16350_c0_seq1; 605 119 1450 LEN=1681; translated
MPYTTRINTP INHVQLTNVAVVRM NKGGRFEIACYRNKVM DYRQGLEQDLSEVLQTERV
FANVSKGEF SKAKDMQKVFGTKDEDEISKIILSKGQLQVSDKERAQQQEK TSAQIAE
WISKNCVQPATDRPYTMSQIRHAMKEANVSIHPTKPLKRQYLECVKLLQKIMPIQRA
KMELLLVVLPEDKLETEEILKENNVTFSEPTETSPYLKYQILVDP SLYRILSDAMQK
MSEARIEIVNQIVTKQGDVNLEEEVGNKSDGIQSNPNAAYTNEDDDFHAAQLIGKVN
ISSKQNYDDSDSEIEGVRVNRKAQKKNKKKKGKAKRRNFEDADQKNNSHNERSTDG
FSSQAIGLHQSVDA SAEPSDNSKNAVSITGNGSDPSGRKSCNTCGGFFDTASEFRA
HFKSDWHRFNQKLMKGC APVSEKEFLLCDSGSFFENGDM L
>comp16351_c0_seq1; 283 1 1839 LEN=1967; translated
XSVG VQYRSYQQFSFPYDTSFFRVLNATAKYHHQSFSVIRLTSYWIGRIDRATDXE
VATV RGECRMNRNNQQRSGNNS EHPVLRHRPSFEDIRCRIDDSASDLDPSSARTR
FHPDTFLG NGDEEGEEDSLLNWVDQFFGAAAFWISFGLWTVVLLYTFV RPFSTTV
YRRLVNQIGTGSYLEAISLLL PNTRICLTGSDVPNPVGT SILVSNHVMNADWYSL
LLALGRCVGLRGSIKF FLRNEIFRLNKHVPREASRTTPESSPRKASSVQYTGA
PTDDNPSVGGGRNYAISNGNALTRKEPSPDLVLAAKFFNSFLEFPLIDEEGYV
SDRESLFKLLRSFTDSEGATAPVHFLFPEG WSLYNGESRNTV LARSNGFAKRE
GRPQLKHL LPRTTGFNASISSLRESSPVIYDVT VAYRGYKGCIPAEEDNLSL
SLWHTLRRCYPKEVHIRIKRYSMEEVLRDASWLDKKWAEKDRMLQYFSRHNS
FPTDSRGFCRHQLFETRFE SMETSVL SFLRLALIPWTLPIFLSIPLVWTT
FFAWLLYKGYQYTYNYPENTTASRNQSSSLDETDDNAGNSSRGT PHIPATPF
ASP S ISN WHDMMIDRIRNEK
>comp16352_c0_seq1; 256 77 973 LEN=1618; translated
MAHRRRGVGVGRTRAGASRPGSVPASGQRRTSSAAMPSSQM IQMPQTQDDRLQK
KADEMHALSMQSALDTVEK LQVKLADFAKKHQSDIQDDPAFRQQFLQMCAPL
GVDPLVSKGFW AKTLGVGIGDFY YELAVKVAEVCFSTRSKNGGIMALAEVCD
TLNRNKARRSSSSSKRKS GKKDQLYSKGDI AVAVKRLATLGGGFRIVTVGT
SDMIVSVPTELDQDHVEIMALAQDGE GC VAVENVTRQLRWNE DREALALL
LQEGMVWKDDYHGISFYWFPSVWKEKMAIEAGAQ
>comp16353_c0_seq1; 237 1 992 LEN=1092; translated
XLTTIPYTN SPCTTETS KSNQLISCLKKRMISSMPKGMACDSDSVDESSK
VRTWCENEGSMFNIVGSNPDWSSDRRDTIKWIMKEKKRDRYPLSKDIYA
FFVAPVFSVEYFFSLYVVALKYTVFAILATDIRFDAIH DENKGATAAKFFL
IPVAIAMQDDLINSYFFFGNAIYCNSALAFSKHATKKLAFSFLLR TVD
GFFSLAVNFGVMVTTDTTLGVFLNFAALSFLQSIDDV F YELVMLGFFG
DRMEHMASVCAEITFRRRSGNDNNKICGLLRISHLDTILFLV TLLICLVI
YIYMTLR IYGYFDEDPDVTKSTNK TILLY
>comp16354_c0_seq1; 260 55 453 LEN=539; translated

MGILKVRLVKATNLADKDFIGKTDPYVRLELEQDNYLRDHDYGYQISSKKSND CNP VVWNE
DFSFNIP TLDNMVLT LKAFDEDIGSRDDKCGKCKIKLNKEGISSSPKRIEKTIDRNLLRP
NGKITV DISYNP

>comp16356_c0_seq1; 535 73 1491 LEN=1687; translated
MTSFKDSEFKGLVSLADHDPELYDLIEQEKNRQWRSLLELIASENFTSKAVMECLGSALTN
KYSEG LPHARYYGGNEVV DQVEILCQQRALAAAYGLDPEK WGVNVQPYSGSPANFAVYTAL
LRPHDRIMGLDLPSGGHLTHGFYTYSKKEGTRKAVSATS VYFESLPYRVHPETGYVDHEQ
LARDAGL FKPAMIICGGSAYPRDWDYAKFREIADANGSLMMDMAHISGLVATGEQSSPF
DYCDIVTTTTTHKSLRGP RAGMIFFRKDERGFENRINQAVFPALQGGPHEHQIAGVATQLK
EVATPEFKVYSQOVKSNAALANRLTSKYGYKMASGGTENHLVLWDLKPNGITGSKFEKA
CDHVCITLKNKNCVPGDRSAVTPGGVRIGAPALTTRKMCEEDFEQIAEFLHEVLVASLAIQ
EKSGPKLKDFAAALLEGDATLKDIDRDNKFFATSFPMGFDPKEMKYTDPSPG

>comp16357_c0_seq1; 161 1 909 LEN=1081; translated
PKQNEPLEKIPIPKTRNPLGRRNTQIRNHQQAITTEQEHSQTTPQNRKHQRQAESKPTTE
MIQAAASISRNHNGNVLSEDFVQEGEGSGSSESIIDLFGAENYAKSNGGNINELYNKMNQS
DYEQFLVHINFTEPYL RDAVIGAVEDGGIGITTRNGRKHVAEVEILDFGCGTGIVGHLI
KDAGFTNIWGLDASSGFIDMIRSNGVYKGGQVFLGRGVDRFP EYK N RFDLVTGTGCFL
PKHAPSPAFFDAHAALKVGGVFCFTLRANLWEDGHDLGYKDAIDKLVADGKMRFLDHAAK
DFW

>comp16358_c0_seq1; 404 110 820 LEN=1097; translated
MEGHKINKVMIGEGETS IHDIDGESGLTKEEEDRQSQYRSGNNRKYP SKKGYDDNDSAST
GSQGFAMMTTAGSFRASAI SALGIFSLPNRGKKEATPDLIVEDLT KSEMELDQMESNMI
GYEHQVRQQQKEEQQQQQRELQEVQQRQFQHQQHEKQQEQQKEQFDNESSAGTFKDEDD
EHTHNSGDSILSSLSRKR REREIFYSVSVL FVIMCALFITGGVIMYRNNKLNGE

>comp16360_c0_seq1; 205 338 709 LEN=709; translated
MWGALKKDFGEFVSTVATDANETLQAIDQKMDEPLV GQRTDDQGGDEGYMGQEASPIDLD
TGMVL DHVVG DVEEEDGDEVFSWKS PDENPTAEEMRDQLVLCEDVFKDSLVSSEDESTSK
EEEE

>comp16361_c0_seq1; 464 24 1772 LEN=1857; translated
MKKH SKLFLLSGAAFI AVAVIFNIMTISTFEKHTHGGAAERQPSMLSIALAKQNFTVEKQ
AGSSSVMKKHDRLSADFGPAANEKDKETA EKT TTTIDAIGE ANPAVKENKNETTEKIRLV
LPPKEIEWIRNRVDLYHNVYNTKRELNARKKRIEKAATDPERFYNETTGFTKYQEDKEG
PWLDFMIAGHPKTGTTTLVANLANVAPMKVKDFCVATMDGV LRFVYKRWLDKFP EIQDLP
DKYIPDRNLQMRGAKCPRYLS DPLLLLGYGYAYPRTKLIIGIRHPVLWFTSFFNMGNVGD
LYTRMKLCPHYSNIDPFTGIPKSPVST AIDKDGKQIPPELCIGECRCGIPVCFHRSRLHL
PLARVGKTP LSTKEERDLLAPGDPDGGENLFNGKLRNPV FVYDQTQMKDGSYWDELAQFL
GLSYIPNAHYHAAHGQGHNKTLCVDYLDEF RSKMMAHSYNMSVWLENYFLPVGLDPNRPD
VVIANPESFRAVLQTYKEDPCRRLVRRES DGEYILDPSLGEGLAVYSTKREDCPASYPK
SQA EKDMHQQRKKAARLRGMEENGLVPRQGRKRNKRGQLVT

>comp16362_c0_seq1; 69 1 383 LEN=611; translated
XSSSSPPPPIDAMLEKDRYFLHFARVSIRSCYRSCVAKAQQADLEVLTVRPLGT V GKSG
QIYEDLLRIGVQTLVEEAKFSSLLEVRLVGSNPRETAKLVGILQEMGYSSSEPKNGRADG
LTQERLS

>comp16363_c0_seq1; 397 90 791 LEN=949; translated
MAEDPEEADVAAMLDSL KKKKKKKKKKSEKEASSASGSGGAGGADMSAQEALLREQDEAQ
DCVEDPYDRKGQYVYGELLDLVVDLLQTNNPALVEKKRNKIPPPQMTMLT SKKTMWVNFQ
EICSMMQRSPEHVMAFFFAELGTDGNMDGNQRLIIRGKYVPKYIESLLRKYVVEYVTCEM
CRSPNTVLKKSSTRLHFLECSDCGSTRSVAQIRSGYHATS RADRRRAARNAKG

>comp16364_c0_seq1; 605 1 1674 LEN=1801; translated
IFYNHHSASDIVSIPIRKTATMSSTTKNLNESFTVRS DKCYTDEAII SDFKYESTLVE
GNVVVPVETKMQFKTERTVPKVGVM LIGLGGNNGCTCIAGALANKHGITWNTKEGEKKAN
YWGSLMMSSTVKLGNDAGKNSVFTPFKNMLPMVDPSEVVWGGWDINKMNLGDGMKRSKVL
DYDLQQKLYPYMKDIVPLPSVYFPDFIAANQSERADNVLGTGKQE QMDHIRKDISDFKAK
HELDK VILLWTANTERFACVEEGVNDTAENILHSIQRDEAEVSASTIFAVASILEGCTFI
NGSPQNTFVPGVVDLAREKKVFIAGDDFKSGQTKMKSVLVDVFLVSAGIKPVSIVSYNHLG
NNDGKNLSAPSQFRSKEISKSNVDDMVE SNRILFEEDHDPHV VVIKHPVYVGD SKRAM
DEYTSEIFMGKNTIAMHNTCEDSLLATPLIYDLVILGELCERITVKKEGETDWEQFHPV
LSLLSYMLKAPLVPNGAPVVNALFTQREAIKNVMRACLGLGPENHMTLEHRFESSLKS LQ
QKAAASSEPEKKARIE

>comp16365_c0_seq1; 201 83 499 LEN=920; translated

MSRCFPARNLFALLALLAATASAAPKTCTPSYCCCTGACPDSFAPHYASSSTIKNDVNEI
CYAATEAGAFGIGGDSITIHSTGAVLSPNDLDECPENPPEEMIPLTNVAAVEEQVSGAST
SSPLVATLVAGALGWIMA

>comp16366_c0_seq1; 195 120 1355 LEN=1673; translated
MPSAKRKKKILYCLDFDGLCDVNETFHSGLRACRLIWNNESSDPKPSQWIDDLDRDSQ
RMKTLMEDFRYVRPILYVWGWESILLIRFLACGDEEETLLGPNASKDAGAAPKRLSKRDAV
FQRFHSGLKDHAEAWGFSAQEYGAALSDARNAWISQGDDEDSGEGSWIDAHGFYGGACE
AVRYYLREKGNEDIYVITTKAKEFALRLLLEKQDLFRSGTTAPAAVSTSLCFKDSHVFGGLG
SGPKASVLQRILEERQSNYNGSEPIDFVAVMVEDNVATLTKISRSPVGNKILSVVASWGY
NSNEQLAEVFOAKTNRSGDDKDESNKYIVLPPRKNPESPDTERALEWAQCSKDRDPSG
SSLASVLLTPGDAGRLLAKSCP IGTPIGSEDEDQDPYDFSSAENIAEAHFR

>comp16368_c0_seq1; 805 91 1335 LEN=1598; translated
MKYSAAAFTLFAASATAFSPASGPNTRTALNTATLEAPTEETKAVAQPTRFDRLKKNYKG
FKRSVEEEDMDSLSFDYDAFEAAVAETSYSFERNISIVKGQCIQYEPKGVIVDIGAKASAF
LPEAEAAALIQPVGSTVNDLVNLNEELDFQIISDEDEDENGQLLVSIRRIQYRSAWETILKMQ
AEDAILEAEVSVNRGGAICLVEGLRAFLPGSHLAGKMATEDLIGQKLPLKFLEVNQENN
KLVVSNRKAVVETQADLSRGLVEGVVQALKPYGAFIEVGGMSGLLHISQISYDRIEDL
EQVLQPGMAVKCMIIDHKVNGRIALSTKTLEPNPGDMLKDSAKVFEMAEDSAKKYHTQM
EEERKQRESAARDIVLGLGDSLGLGDDLNGGDAPAATS DPLADVSDSLDSLSS

>comp16369_c0_seq1; 299 1 882 LEN=1131; translated
KTCSLFRNPTLTIAAPTIFISNEISPAMDSTVGKYGEAISSVFSTPDTPEKGGKKSIAQSK
ALANIHGELNLFETPPRCGEEEMDEGRDSNSVDVGEVISRPRQVEGNGAVESAQERALRE
EQESLELARALMAEEAMASYTQSLDYLTNNQDQFSDDELALQAVMNEEQHQHELEINAD
AEAAIDGDDNGDSYEFMLRRLGERMGDVKSERWAQVAQKKIDGLPIVVFDPENCSNKKDAN
DCDIKCLVCQEEYCKAERLRKLP CGHCFHVECIDQWLLSKDFCPYCRTTLEKE

>comp16370_c0_seq1; 286 146 1129 LEN=1323; translated
MAEVLGKRTTPKSSWKKHAMASAFRGGAAAGLVAMVLQVLLMWRRTTVNYQYKHGVDVATA
LCTLYKEGGILRFYRGASFALLTGPISRFGDTAANEGIRELFGSTNSRSNVPLWAVTFLA
SLVAASWRILITPFDTVKTTLQVYGSSRGWERLSSKTNRYGITLWDGALGNSFATLAGH
YPWFVNNLSLEQLLPKPAKGSNDEDDRLYKRKTLVRRAFIGFCSSVASDCVSNIRVVK
YRQTSEVPLSYREALSELI IAEKMSFVTRGLGLKIFSNGLGGILFSIVWKMVLERMQLSA
NADVHAGALVNGDTSAGGNSAEGKKGK

>comp16371_c0_seq1; 479 1 1492 LEN=1528; translated
XRTDKHASKYQMTICVVIQVVPVEDPQRMERLRQSVKSFVHDESPGEEAGGTSHRNV
IRWARDXNAALDRHHEDAGGVPTMLLSAFLGTEHEEARFSPEQFAAFLQDAFNEYRSK
NATNVNVEYRCEVWASAPAPLPLTKVGGDSIAADKTSNHPKHRSLRLLRSEFRTKGLCVL
PGVLSCESETTNDHSSVLERVQSLVHWHIQTAEAAIAKNHPQILLGEDSFLFREMAS
RSKQRFDLLVPRDELYKLVREVFVGESEMAEAGGGIGSGNAFARELLQRLFLDRDEAG
ASEGSAAADWMDLSVVYSKPGANHQGWHADGAHADGAPDAGWSSECEPGSSNGSTGNA
FAPSLAAPYALCWFVPLVDLHTVGF TQFWPGSHRHRALVGF GPF AEVAGATWDGIVPAG
DAVCYDYRLLHRGMPNKSADPAKANGGGESTPLPPPF IAGYFRPPYRPVLQLLCRRTWY
KEKNNYGSESIYEPSSL

>comp16372_c0_seq1; 304 74 466 LEN=780; translated
MARHSILFTVLAGLFALQTVSAFAPLQQPSNSAPKTDLVDMKSKFATTAAVVISTSPLIA
LAEVDDYEGAVSAPISVAWLGG LFAVGTALLPLALQGGEEAFDEMRERDAGKFGTGDS
SALDRKGRF

>comp16373_c0_seq1; 296 112 1295 LEN=1457; translated
MARERVIPHSTHSVSQSSKGRRRRRRVKGFKALLFGGATTLQNTIAIAMGLLLFSARKE
TVTKMTVTSSKSSFFFATAFVVP SATAPSIAGRKSSATRTLQPHTLKAPVASIGRHCNP
LGGGPDTIEPKDRYEIATQLLDLVLERRARDIRSENNGPASIISGAQTTNDRRSGDIQAL
IEELTVPAKGNQPEYDPTTECLFGGGFFCTLYFYYPNTGDDGANNAPT PEDPIWEKTSL
LLSNIKQQYYVRNSNNDNPRALSVINYSEIWGPGFNIQADGLTHITEENKSSNGTTL
PDIYRVDATKISVSLFGGLISKTFDIEGSANLVVLYADPRLRIFVSPPPVQNGGKLGAS
RVGRRSGPKRFGSTQKRKHPKGNRFEAMKEQMRH

>comp16374_c0_seq1; 268 140 694 LEN=1223; translated
MSESSTRQVGTAKWLNHRGIGFITPDGQDAEVGKDFLVHYSNIKQDPSDGFKSLAEGSQ
VEFETTEDPKNPNKLIAINVTG VGGNCDNYRGRRRGPRSENKEEPPGSQVFIGGLTEDC
TWREVKDFFQYGEVVRADVFKKGGFGTVRFKKASADGAIELANGVEFMGGTLEVRDLK
KASP

>comp16375_c0_seq1; 377 1 2228 LEN=2272; translated

XRKEENQGHDKLNETIAPNKDNWKFESDASVSVSTKGTMNAVKSKKTMGENEQPESNGAT
TIKECKDEKDPTISDTKRRKKFKCLARVLLFLPYIVGLFWTCLHPIVSVITGEMKCRGWY
LDEHSIETRFIDNLEPHILPPHLENLEVSPVRQPKYNGIHSLCDFPMEGDPGFNPSNLI
CHSHGDYFEVAMIMPLSNAIDATEEAVVMVIPSPREETNEPSDTEEAKTSIDWSSSIFHQG
MIQTIKHLADPGNTPWLAKAVLVVTPPTLSSDGTAKSLDETVSSFI SAYLGEDSPRFDYQ
SSRQPQNHEKVPPMPTKLSGSLRNLIIVLQAMHNAEVDRTGRHISKSELDLSISPOGRRG
VLPNADLFFLVSRMLMERTMFFRQSPYQKYFTHPCTQESRNADFWMQWIKKLQHRYYRKA
EAVKEWAMGMVDTFLFARTLAVGPFPPHAAALERGIDSLTVHATFGGIYRRDPVLEFVQY
SEYIVRSLANLHERLHHSFTLYLLPTPKTFVSHIEYLLPNLLVLLPLAVRVFGILLPAMK
GGLDLTAVLGVLLILSIVVVAMLLADVALNAIGNEGAMTGILAVLYTGVAYFWIHNILFR
ERDQDQSDNHEMLNEQDEGLKDASPSSTRTVRTLQFVACAMAVYILVPIAFANASLAYLP
SVLWSAILAFPDYASMKKSVIGRTSFQKHVVI PVLGLLVFATAPPVLLVPRLFPPTYTFV
KFAYVPIHVLFSLLMTSVLVS
>comp16376_c0_seq1; 467 180 1136 LEN=1235; translated
MMGPGDDLTTLTNNGDHMGVLRIRAHREPTMVISHLGALLGDELDRVIGSDAAARVA
ALEQLCLAAIDTNDHVLAKSCLNQLKLSSAAASDGSSEGNLVQSDRYRLLGRCLEAAD
DYEGATKLYEQMLKQNPNSNLVALQRKYCVLRAQKDSPEAVLEALNEYLGQQLSDVGGWY
EMSQIRLSMADFKAAYALEQVVLGSPLDADIHLELAEVYATVGGLENTACARKHMAQAL
ELEPTNVRAQFGLVSVSQQFLDESASSTKQKKLDEHERLVATELLKFGAAELLKSYKGS
KMFASVKRVMDDYTQNLK
>comp16377_c0_seq1; 106 153 524 LEN=1026; translated
MKSLLRSVLWVLLLLLLLASPAAADGSLRGEPPGALARVQERHREGWTGRHLHRSPGYT
EARNADPRASATRGSRSRSLYQEWARDDNGDLLWVWLVIGLIGILLCVVCCCGSVCC
LRD
>comp16378_c0_seq1; 250 70 468 LEN=570; translated
MATYAQQANSKGDAGSNGGGGSNSYSSSHNNNNKSSDGSKKEEFRNYLEKSGVLDLTKV
LVGLYEEPERPSNAIEYIKRYLGAPKNVDVIALQRENEELRRQLAALSEKKGTTETKQTTA
DNNIRSNRSIAY
>comp16379_c0_seq1; 121 1 295 LEN=498; translated
XIATTAATATTITENSTCIKQNSINMENKEGFNETIVEPLRQFAKDSVHLVKKCTKPDR
KEFTRIAQATLVGFAIMGFIFGFVVKLVHIPINNILVGN
>comp16380_c0_seq1; 337 320 1432 LEN=1662; translated
MAAAGNGSTAEEDAGVRKAKKISGIGADGWFTETAPMWPQGKFSALDRASSPSSRDS
SILFHEQSEFQEILVFQSAQYGVFAIDGILQLTERDAFTFHEMMSHLPLFSHRNPERVL
IVGGDGLVLQEVLRHREVRKVTLVEIDPMVIRASKECLRLVPELYDDPRVEIIHADAA
EYVQDPEHHEKFDVILADTLDPLGPAESLFEPEFYECMHDALRAGGIVCTQGENMFIHFE
LIRDLVACCKDIFGHAEYAITSVPSYPCGQIGFIVARKGRDNRSCSSPIRRPTPVFQKQL
KWYNPQMHQAFFVLPYVVKQELSGDATGTNANGNAITNAATGYANAGYYHDDNDGDEEGD
RCILSQCVIS
>comp16381_c0_seq1; 285 77 880 LEN=1103; translated
MITAVTLFLSLLLPIAASVAGTETEDVFVLDQNRDSASTSGSPLMLLAIDKTKKEGTEKS
SSMLRGGTSTKNPDGSLDFPPLPIHPHHTGSVHYSSTMNSDGTTSYRRDINAPCDYGML
VFNIGPAKDNMPYKYDLYADAYLWSDNESLCLMFYPSYTGFIQISNHGYPYKLGYPMTVNF
GDLKDFRHMHRISSRILSPVDGSAQKNANAIKDNMAGDYIIMAHNFYTIIEYKELKQY
VNSWRTEETGKNQSTAFDTFTATSTL
>comp16382_c0_seq1; 304 1 1009 LEN=1802; translated
XKPSRLYPFTNTTSMRTPIDIASLARFILSPECKSIVVLTGAGVSVASGIPDFRSPGMY
DTLRPELLTAKPWEQKLMERDPSNVVNDIFQONSLEPYLEVRRPFILGTRKQKWKATIAH
RFFELLHLRTSNKLTTRIYTQNIQDGLQEQCKGLPAEKIVNVHGTISEAQCEACGGNMDFDD
FCDQVESKIKDIYDLDENHKAPSRSTPINCLNCGKPQVKPKTVLFGSLPEEFFVTRTEED
LPTCDLLLAVAGTSLAVSPANSLVYRVPDKTVRVVNNELVGEFFGMDYGPNASRDYFAIG
QCDEIFLDLIRELDWFDDLTSMIRDLPKSAALICL
>comp16383_c0_seq1; 533 89 904 LEN=986; translated
MQGRGVTNFSGDKPSHGYTTSTTEFDELIRGIVTTEQAMMAKASLEEAFLAEKRS
GRDSIVHKRNSNENNAESQQTNDGDTNSDVSDDDDDFDFDDDDGFMEYRRIEQQLKE
HETKRSELMLRSNNPSSQILHIAREEWKEEVNEASMGNRWVIITMVEASGDRRDRVQE
LHKVAREFFPERLPERNLDDGDGGFGNSPSARLLTIDASEAIPNWPEERVPAAMFAYRN
GVKQHEWIASRRGEFPSRDILEELFRQWNLI
>comp16384_c0_seq1; 815 1 1362 LEN=1461; translated
VVEPKSGGRSCKSREPCKNVKSKLLMTAAAKAKAKAKAEKRAKELASFPMSLSPSG

MYKSELTLALEEKRVAAEERLRSSFDEKDLKDGFIQKELSAALVASGIIATENTVVLGLM
ESIDTNKDGVVDFDEFKAFASAVKNSSLARTGGGDQQPLDSGNSTAQPNTPPSPPSTLI
IIGRAKPGVNMKSVKLGKLENYGGGGHPKAASATVRLNDESEAAGIMSKLVDELIIETSL
QEQSTVGFMTSPVLSVKSDMSENQVEDLFNRYDVRALPVVNEENEVIGLVTYKEVAAAK
QRMWNKEQKRLRQERQRKEKEEKNKASGGSGGDESLSPEEKENQRKQKFMEEERRRRGPT
VKAWMKQHIKTVEASLTMAEVEAILLENDVGCIPVVQDGTKRLVGMVTRTDLLRQHRYYP
SLHYNKGMSDSIASRKPIIALRRKLRKQFDLDE

>comp16385_c0_seq1; 278 1 1146 LEN=1306; translated
DSHVFGISAVFVLIGVTNSIFVSKLSFRTSLVEIEEVAHFASFAPQARASKDKRNMPIWS
AEEYFAIQVEERIYPLPTDCATSNYRRLIHSEETWRHLQAVYYEEKQARHSYHHRTHNR
LRNLNHLGYSGLTLGLLEVRDGERGRAIYATEDIPSGTVVWKGNDQTNNGFWPNPRSMRK
FLRRLPHDLQCDVLLWAYAYSQTRTQVEECNLDEASFFNHGERPDMVNVVKNKGVRSITS
RDVAKGEELMDYSAFIALGDESVAWWDDLRTAWSEGEGLSNRIDGNHNSNEEEDDTCM
NDYVNYGKPKPDAPPVVVVESSATPKASSSVFVGASAPRTHRITRAAPQTFAPVAATKGLP
AEFVLALAVAGGVWAMGKRQR

>comp16386_c0_seq1; 445 32 1201 LEN=1341; translated
MKDYRSPFLSMLLTCWFCFALPMTTGATESGGHKDIPTTAIAAANFDTLVAALSQADLVG
ALSDPNGPYTVFAPTDEAFMSLPDGLVDCLLLDRNKNVLTNVLLYHVTVGTTFSSDLLDG
MEISTLLEEEVTINISDNAVMVNSNVISADVDTSNQVIHVIDGVLVPPSIDVTAFLRTC
PLTQDPDPVKCSYLGIGRSAGQYLTGPTHTCLCAQSGHWTDCVPNEKKVKSVEDVVVSNP
KLSTLETAIRAAGLLGVLDGSDAATLAFAPDNRAFSRVPPVLDYLLTNTDVLSTVLRHYI
IPGGVSSDDIALGSSMVPSSLDQDFIDFEKSCWSTVETCHEIFSIALNGESDVIAADIR
ARNGIIHVIDEVLIPPSLEAVVESLLGSF

>comp16388_c0_seq1; 121 303 608 LEN=948; translated
MGLAVLTPFLWFLMPDSYSDGFIDKGFVLLAGSISGHSWIGMNYVATDYVPKVKSKALLGP
SRVAIAGMTAVTFLGLSRCSIQSEGGIKGCKLGLWNPPPSK

>comp16389_c0_seq1; 301 107 562 LEN=651; translated
MSEQQKAKCPALCKMCGFFASEATGGCCSKCWSSIKKEKPAAADVVETPTSKNTTEID
TRSRKQREEQTELPAAESSAVTPLKKSSEKVDSDASSSTAQVVKKKKKKKKGGYKNMMAGM
MAGSNKKDIAKEKAILAKGLGGGAFSKIEKI

>comp16390_c0_seq1; 251 108 959 LEN=1628; translated
MAPFDCDALNATVLENLSRYIGNMTPDELRSRTINGGGYDNFIETSKNMPLTSSERNISFL
VGHFGFFIFNVINVVVLAFAFEGYAFDYLRKNRAAQFMLAACTIQLLSCATSLHRYNLNDE
FGVWAKAGMITGTIAITLMTWSYLHLICRDNVRNTVFWMCGTSVIAAAVIGMSYWHWEEK
NFFYFRLYLFSVSVSYGFI MLFAGQFQLRKGNIEMTRDISNTTMKRVVWVLI GLDFLHPA
ISLADMPAFTYPLTGMVYIMSMVNSVCVGRMSFVKENLSSGVT

>comp16391_c0_seq1; 994 1 2757 LEN=2985; translated
PPHHNRSASNRKNHQLRPPVLSTTDVLPILVLRDFFVEHHRDRESHRGRRRSSPSLPS
EVARKLRRYEGRNLVRMDTATHAIVLDAAGKYSSSAMDGSTRSGTKGSLADEEPSAGNR
NLKHREEWHSRHNQGVLFADRYLRDWINDYKRTAGSRSSERDARVGGPAQPDVVALGTV
VHAWVESGLPGAARAEAWLKTWDDFWQEQENQGLAGPESESKHLGVHHQOSKRNLTYTF
VLLAWARSGNPAKARAWIDRMI REGEYPDVRSFNCLLMAYQNAAPEQKRDASGNRNRAS
KHNAECAEDVLRHMQRLYHDKDGFLEPPNVASYNIVIDAWTKRAGSGSSSFRAKGRER
PIDAARRAHDWMEQMKLAGIPPNTITYNTVITAFSRAGEPLQSEKLEEMITAHQNDRCR
NLTPQTSNFDGKDSGDTDDARNDVFFDETASTTTTKPDVQSFTSVLAGWARVGTFFAAE
RAEELLRTMQRPDVGIRPNVESFGACIHGWARVASGTHPRGSREHKRHIASGKQQQAEAV
KRAEALFHEMREHNIQPDVYSYTGVLVNAVGRSGRAETAHKFLEACLGEYDRTKDPRMKP
TVVTFTAILNAWSKASRDPLAAERAHQLLRMRKNDYGIQPNAFSYSAVLDAYARSDQPDA
ADKALRLFRDMRKVSGLEPNAYTCTNVLKA IARGGRVEEAEELLESELIHDERTRARLGAH
AFSSVLYGWSKSKRTDAPIRAEALLIRMQELHRNRLIDEPPNAICCNVLA CWARSGLPG
AAQRAEDLLRSISSEEQECKKDPDGDSQDFPTIRPNRIMYNTVINAWANEGNAARANL
YEEFLERSKSEAGLAPPDEWYRALWKATIKTSQVPSEEKHLHQLKSLMRSMADSGFRPSD
KMETDLQDILRTQGGEH

>comp16392_c0_seq1; 122 1 261 LEN=1049; translated
CSYINLARSSLVTSKMPKQITDIRDFLQKARRSDAKLVKIRKRDQTQKFKIRCSRFLY
TLVVADA EKANKLTQSLPPGLQRKNI

>comp16393_c0_seq1; 303 37 708 LEN=927; translated
MAPIKSLVTLFSLVGGASAFAPAKPATSLKSSSLNIANPEVYEEAQARWEEEFAPLAKYG
WGFSVHA EKWNGRHAMFGWFFICATAYAKGHGLIPNMDVPLDLKEWGTLATITGKGTITQ
GRAIILAANMHFFAISLMATICPLPFGDLLLLDPDDESIEKSMERNKSKPFYMPFETGL

TEEA EIINGRLAMLGLISLIFATAIEQKPM LDIVNEW TGSFYF
>comp16394_c0_seq1; 603 45 1553 LEN=1857; translated
MRNGICKLPFLVTDERKWIHGVYGLYLLNFFLFLVVATGVVGESKTAKVNSDNDVGRPGE
SQSLSPWQQCSTFIAPTTRTNMNVGVIANRNF SVGEIVDISPLTVPIPDGNSVIERSVLN
DYVYGYMRIIEQERRRPFLQKLYSVLLGPD MFYNHHPVQPNI EFTTTFGREPSNGLPDAVN
PQGFVAKRNILKGEELFTSYNGKDDGGKEWFRRRGVMMETPPLLPPVSSEYNDDMFDRHS
EAFCSKIYSGLGLPSWKGRLLP LLPKEYKLPFEIDLKWLAPFD SGWGD AKTKVDVKKGER
LEISTALVLSREFTKNTALMPLVYAWKDLHSNHQETLKR LHAAKQGNLHLQYQGPDTSWI
PINNFTNKGDHND FEDLVLP AAGNIGMVRRTGSFDANCR LVVHPSNSEDMEDDHALIE
FLDQPVGV TIELIATTDIMKSTTLVVDLFESIATPLEYKLLFSELKLTGQPF SRQVFQDR
RRIRKGREHTPANKATLLNEEL
>comp16395_c0_seq1; 313 1 1446 LEN=1703; translated
QQLFKRYQSETPGSKNGKCSRDAKSLEFQNTTKWKPPFVNARSAITEYIPTDFDTFLLL
NMRDPSYFSIEECSIIVPSFHSW MYAISVHTGCCLFGA IPTGILLYVIMPGAKGPTDTT
KAYSSISETTKSFLCCTVGTAVASLIYTGRPKIESYAPNEEIRWMG PLLASTFGFAAFFK
SLNSAFGNYPKGADRDLCTWLFWFFMMPEPSFAK GKLIKADRNEILVKIRDFS IKIVALS
IILTILLRSHPPYRVMTAIPFSSSSLNEDDEFNGFN LWLFSTNINGFFHLWLLYLFFA
FCLDFSTIVNYGISGMRMEPGFYNPLLGSRSYKETW GTRWNRPNVALLKRTLYVPARRS
GLFNQQASALLTFFGSGLLHEYNFAI INHRSLSSPSGYRPGEVTCFFFFMGLLMVGETWI
WNRCYPRRLQAAIETLPSVATASMLTFMVAGIAERYFLRGWFESGFVESVAQMIPYILCE
K
>comp16396_c0_seq1; 217 1 691 LEN=1138; translated
XHKPEDPRRLAPTKISSVFGTHSAILLARYNFNRKTQKSLKRIEIMGQYDMEQV GITYKV
AWQKNDEIMMKDACKIWKEMGLIKEEGMMPRAKLLSVVAYEGDKMVGLSTLTVAMQQQV
FAKACHFR CVVRPEYRRRH IATEMAIRSLALSEEWSEQNPSYKVLA FVIRVETQDLTMKC
YEPVWNNKMNFIGYSAEGLPLYLRWFKHATFGNPNEDPDFTFYPNRPGR I
>comp16397_c0_seq1; 573 175 1500 LEN=1586; translated
MKFVTSVFFFLALTAGSCDAFQSTASTGFQTSTQSRTQLNQVNEDANNSEMDRRNFGLS
SLGWLATGAVASFTGAAPAANA EVFFDPAMYGDQELRVGTVDTVRERTRRA ILQNPKLAP
AFYQLALLDGLSFNAKEQKYGPNGGVIYAVLNSNEKGESEY MENLRGAANVLIQAEKDLK
KKTAVSIADCVAIAGAESIESIGGPVLPVQLGRMEVEKSKVQISPLPLDILSGNRSQKEV
LAAFRNAGLTEREMTALLSGLLTLQLVEKNRTTEDWKASTKPKFVERGKMGRMSDYKRLT
DEDIQAALNDEYDEDPDDGWYIADSF GGRDDRFGQRLAKDTISEKTFNLYMKQLLSTTGK
KPVASDTNYGWIGKQILDPTPVCQAWLKKYADSNIIYIKDLSSSFNSITQLGAVYTGK
YENLLKNRPRKTLNSDDLNL F
>comp16398_c0_seq1; 276 70 894 LEN=1205; translated
MQCVSSVSLSIICLTFKSIWIRAFIFETLPLRLDTSRPGFSRDNILQLGSTSDANIYRL
FLEQNSTRNSYSIHLSNSRETALGVKLYRFGGSTVEDHMEANPELTSRDDALRFLTPTFD
DFGKGKVVYGDGTIGESLQFFALGDDKSSLVSLLEKNNEEHVH DLLLQNRV IASIEAVKE
PIEKELEIRVSIELKNLSVHEDSRRRGIGKALTKAVQDYARSEVLVLKEQKNKKEVGLV
HLLVEAKNAGAVRLYEESGFRRIGIGKDPLCKMTW
>comp16399_c0_seq1; 238 97 633 LEN=1393; translated
MSLIDSSPSPSCSFLSNPNRNDNAALPPFHSLAFSAYYRTECQDKYCTSR LAYHVVDN
ICASSLLT PCFDDREQEGCSEQPQHDHERQSQHTNSLYKPSYRCQAFVHGHQYSRKVR
CFDRWVDAAGFVNAALSDIGRQMEALKQE QPVNEHDQELRMGHESIPTGSIQHASKA
>comp16400_c0_seq1; 389 60 1019 LEN=1069; translated
MNTTTNNTIQPLNIDEDLKKKIESTEFVYLVAKSGIGKSFTGDYLVVVRNWNHVDGDFPL
KQSTFKPEYVDMVERL F ISGKYAHIQELPEEERREWFAREGYQAYFTEVARKTLEAARES
DKVVATHATYIADARNFFIDTLIASGAKEVRLVYLD CDFDVHMDALWKRALRQAEQFPGT
IEEGLEAFYGGSDFESFVKHQKNI IET YFEEPSESEKPTVVDVTAKDITTLDAVDRAFV
PDGEGRGDLSEEMI EKIKAADIRDEEFFNMEINLEEEAKMDEAEMKKRRSFRNSSL
RNSCCLKVLEANIEEAISA
>comp16401_c0_seq1; 188 1 459 LEN=459; translated
DQLPYRNRWPTLDQSQQQATETTTARYSSETMLSRIAESALAIARARVGAATVGARTGR
SAFSSQVRSYAAAPVSPLNAFAQTWYNLFGSSTARYATFLAVGVIVAEMGTNSLTDYLW
EANNKGKTYKQVDWSKFDPEDEDEEDDDDDDD
>comp16402_c0_seq1; 493 174 1943 LEN=2155; translated
MQPNND CPPTVLEYLSFEADATATEEPRMMMPTRPPRNSSNGSNLRS GNDYGDSSNGSA
LSMQGFLWKRRDIFKNRWRPRWFLHPDQRVLTYYLLANQEAGVGPQQIVSGSSGTTTP
RRRGRSNIHGSPLDTPPATDILNSGNRRRRTLSSESSAMSTGTIDCDVVRGTIYLLGST

VEANEALTKPQDGLYTLTITD HETGTHSHLAARDPETREEWILRIRRVCSQSGTASNAPQP
YSQATPPPVRPGRGIRSNPRSKRKDRRRIRNSVDSTSAATGTRNELHVEEDPVAATNGSK
RDLEPLFRDGESSDDAADKNLSTAIRFVRENEVLVLAAPLVLYKALMLLSFDLPAALSFA
VTSTLVARWVLIYNLSSVVRFLLTGSNTTGNMPIGHGVSCCRFAVHLDSTKPSAISHVLV
QSLAKAIRRQPLASKKLPLLPRIYSTDLVLLDLATTSSNASQAVRVNNADQKSLSEIGE
SFADTDQLDQMOTIPMKFLEKIVGPPCRIVVSSETDGGPGPEPQIQDLNLTECPITVLV
SKPRTSTRGKYEVHVSVTIQSTDVGACQQFAVTFERLLAASERSISPNO
>comp16403_c0_seq1; 227 152 613 LEN=699; translated
MNSLLPSGLVVAHPVRLKPGEDLVSSMEKTALSAMQKSGTASAFILSAVGSLESLETLRMA
NAINSNNGNFVNEIREWNERLEVVSLVGTFSSEGGKHLHMSVSDGQGNVYGGHVMSGKIFTT
LELVIGVILDVDFSRADQDPTTGKELVVNTLQK
>comp16404_c0_seq1; 254 1 991 LEN=1049; translated
XVPTAEKRQSNYSNCAHRSVRSPSKPSTASALQENIPAMKYSEFEKRPAQSELLGRSHATT
LAVATIVVAFLSSVDAFQIYSARRVNQSVIGNVVHHRITSRHLHSSAPPGTEPDQKTDFPI
TKSDEEWKEILTPDQYIILRKEGTETPGASVLNNISVEKNGQVDAGTFVCAGCENPLFVA
SSKYDSGTGWPSFFAPVTSSAIALNTDYKMI VPRTECVCSQCGGHLGHVFEDGPDPTGQR
YCMNGAAMQFYRDSERPELAEQVTEMSAKDPFRLSPAQALPSALINIIIGGIFFNALSS
GQSTPIDFLTLPLPATYYGFLAAKSIKIMG
>comp16405_c0_seq1; 229 1 756 LEN=916; translated
RPSAKKLRKTAMVYKPREIQIIPSVLPGDFGNLADVKRMEAGCHRIFQFVMDGNFV
NVTFGPDTIKHCRKYTNLPFETQLMVSEKCTDAMLDDQFVEVSKGPNGEPPGVVIVHVEACT
HLHRTLKIRAAGGSPSVAMNPHTPPEMVENVLDLVDHVLVMTVNPFGGGQKFIPTMIPK
IEKLRKWIVDRNLDVDIEVDGGIKATKETIGICAAAGANCFIAGSGLFAFEDMSEGVQKL
TALAKEAQESS
>comp16406_c0_seq1; 610 316 1833 LEN=2360; translated
MTLWTWPWKPSGARPVTRKRLARTKMNNKSVFSIEGCCRPLLAIAVALIVLDQILLDGSY
YRSSGNEYHLRIEKIEAIEPTRSAPSEPDNTYQKRPGDLSLAVLVAGSTHRFLFDSFAE
RVAGGRRETASGRKKVRIDYFAVLTQSGPAFRQDLGYMGHLAGRDALFDDVPGFAGETK
SNTERDSQSKFYEYFVESTRHKMLEAMNGALDRAVDKRKDKSNNEEDNNTLLQADTPTRI
RALRLLLENPIEYDPVLDPVKSSLKQKLGSGDPDFDFKFFPMKDYRPSALKRNRNGNKNI
IRLFLALESLWKNEFLSYEKSLQEAQEPDPRADHGGGEAAPPVYDYVLIVRDDALWLDD
FDLEAVIATDPDADAYVLSCDARQPQMLPPEINDHGILIKRKSASVVEYVSSMASLDLK
DCHDSVEEYVGKQRCNSEMVLRHVLEKNNVRVVKLVQSVLPFERAVRIEDEGGSKYYCY
HKFCQSIERPLELPGEIKNCKELDF
>comp16407_c0_seq1; 445 306 1103 LEN=1141; translated
MKLTIAGLVLATSSVAAFQPKATPASDVESRRSFVSNGAAALIAGVGLAQPSFAGLL
DEFGTDPKISNAPKKEVREAVVAQSKVESNYEPNLRSNYYPTNKKRYLPRIKKNDAI
PGAASMIGNEDWEAAAEFADKIAEDTILPMKLYTSSLLGGGTNVKVSFAKDMNESAKAFE
KAQKALSKAISKDQKSSAALEDLSSALLTYRTAGRLLGPDGGDIPSVDEIRRAACRV
QGRTFEQVKSRDARLKESESVASK
>comp16408_c0_seq1; 220 108 755 LEN=802; translated
MILISVSLFVLEPTESFVSVDKQSSKGPEFSASSPAKKFPPSPDTPPIRVLEAQLDAMKDG
ELPSIYHLFSRARKLDIDNAARRDARESDPSAARKHRAMTEFLTQRHSQGLLNHNRSV
GIVGDPNPAKGRLLTKFARVKVDSRYRITLTRQSDWDGKGDPRDCDGYEKCWF IWDITP
DGTDNSDNDDDDDGLPGGDNAKELSKTPTRVLARM
>comp16409_c0_seq1; 255 160 918 LEN=1477; translated
MSLETATSLSELKAKFEAGDVVGGKETLTKLKIHMDFPPGSPSHTQIMVESLEIGILM
MVEDGDLDSFARNVAQIKPLYASLGAPGTPRKSHIIGLNLNLLIDNRLSEFHAELEILT
EEESRNPFPVTFPINLERQLMVGIYDEVLSVTPDSTYQFFVDNLLQTVRDSIADCMEVSY
KNMKLSDAMTMMKFGAEQELLEIEECRDDWIVEADTLFCQPPPSGSKAGDIPSIKMINQ
NLSYATEMERIV
>comp16410_c0_seq1; 349 198 1088 LEN=1088; translated
MKNAFTLQAVSLIAAILVLEKSDIKVEGFSIGSRTTVPLRPSSSSLLKTRQPSGNIAT
RPPSLFRVKDAKSEDTKDVVNENGMNMFQGICKMAATKCATQFVRFWFKSRRSVLTICGA
LMFWIGAAGVHTPASQASSVSSMTKNIFSSSLDQMVDSYVKGHMFDDDAYDPVESIYKE
AMNDRLEGTHPRDLKETTSVVGQVKAERKSGSGVSGLLMKSGLLQKQGLSEMQAI
GLLAGTIVFGFPAAVLGLGMQIGNRSRRSMNKVMKNRYGETYSVDATEKVEDDVIDP
>comp16411_c0_seq1; 263 80 865 LEN=907; translated
MARGPKHKLRLHAPKHNIGKMGVWAPRSTGPHKLRECLPIAII LRERLKYALTGKE
CQQICMERCVQVDGKVRTDANYPAGFMDVIEPKSNDRFRLLYDVKGRYVLCRLDREEAQ

YKLCRINKVFGANKVPCAVTHDGRTLRYDPDIKVNDTVKVS IATGKASDIFAFGLGSM
VMITKGHNCGRVGTLMHVEKHDGFSFIVTVKDNKGNTFATRLSNV FVIGNGQKPEITLPK
GRGIKKTILQERAEAEAAGRI
>comp16412_c0_seq1; 148 61 453 LEN=513; translated
MPSTAAFLRGAGALLVVHAAAYSCMHFRSLLQDLDLLAGAGAAAPPDQKTEEASAVAGAAA
AAMIPPPDVVFELALALCLLLAGELLGMGPLQPIEL SAGRRRPLVAPAHRTDFDVYSN
RSKMLLRKAE
>comp16413_c0_seq1; 448 50 910 LEN=1187; translated
MRAS IETCKKYL SLIIFLYIKCFTVAQVEDTPIVGLYPMDTPVYKEKDAGLIHEWVEGNV
SEFHPSSNTYSILWSDMTTETIGAE TLADYVNNELLFEESKLVQDVEQEVL MQEQYEEEE
LISGVEDTYTSDMDGDEEDEGDNASDREP VYAI GTTVAVTDDG TKRYGTIESYSGYYT
VQWESDGI SEIFAVADGEIDMVVETELPLVSM DGNTSKSGLIAGITGAVVLVTVA VAAV
AIVHFRKNQRLENQSL LKRNDSDNILGRTRLSLEFDGNGKNLLVGL
>comp16414_c0_seq1; 296 268 1779 LEN=1926; translated
MKTTIYYKTLPLYKGDAILSATGIPVTPPIGSCNAKR NAGMDPICLGRPAKLRKLEDEAE
KEELLWVCPSSVKS NR TGLKNSVQRI IQPIIDGIKLG SQRTDKKDPISL ASADSSFAHVP
PCTKAI EAI VQAVVRKPHTTGYTHACGS PESRCAIASHHSSPEHQLSPEHVIVTNGCSGA
LELSLESLLDPGTTLLVPQPGLPLYEEISASIGANVIRYRLDPHQGWEC DMNHLEEIMTS
KNGNTCCRAIRAMVITNPSTHGSV FSETHLTQILGFALKYRIP IISDEVYGD LTFGSRNF
HPMARLA AVHGRKVP IITTS GF SKQFLVPGWRIGWVAFQD NSYGS LREVKKGARRLANLQ
HGVSHLQQSVIPALLSVSTTPGLARWKEDFRNLLKSQAALLCSKLMNECHCLDIRSPPQG
SMYAI VHLDLDCLEDETIQDDMDFVRLLVREENV FVLP GSSFGVPGTFRVAYSS CERILEM
ASQRIINFCHRHRREKRRAHCNQ
>comp16415_c0_seq1; 286 188 1231 LEN=1657; translated
MNKRVSPIWRVIAIISIGLVLAQFIILISILDSKHP IHTDSNLSINSLPHPRSKLQDVVN
EIRISDAVGKEELHLESKSQNSPDGVAATVMLKAPKWFHRRY TLMIHNVLANIPSTWSVQ
IFSNE DWIKKDVLP LHPGLQRFRSHPRI IWTPIPKELRKKKPK EIMKNRWLWESLVSENV
LLFSGNGVLCANSKNTIEDFLDYDYGV PWN SFEGVGGD GSSHSFRKRSTMLRILEKYPP
VSEMANQDFRYFSKYLIEEGASKLANVTTTILFGGITDDLD AAPFVVS GTQAKLEYIARE
SLLRACPELSMIFPSLHEPSCFGAHPNAEKCKATICALR DPLPSSGC
>comp16416_c0_seq1; 524 480 2096 LEN=2364; translated
MLSNK TILFMAIATVAVASAAAAQEAQLDGDGMGFFLR RQIKGIEAAAPTDRRLGNL TRRQ
KRKERRQQKRIAEQKRQEELLNQTP IQIQNNPCPNGSFCLPEFFPSASPTTSSSPSEAPT
EYPSESPSVAPSDAPSSSPSDAPSSIPSSAPSTYPSMTPSMTPSAQPSDAPSAGPSSKPS
GLPSMSPSDSPSIAPSSLPSETPSLGP TDVPSSLP SNLPSSAPS MYPTFAPSMSPTVSAS
DVPTDVP SMVPS SAPSI PPSSEGPS DSPSVAPTQAPSGAPSSSPTGDPTVAPTEFKLSNLV
PSLSPTTTTTPSIAPSISSAPTDFLPRCKVSRKSNPMTTVDAISAIEKGWIVASYSRNL R
RLECIDCKDMMFEDCRDIECTDRESCAGTSFTATGKFKDFYQVRCLVEESCEGATFKGID
RITCLGENSCSSSLQNTVFENIRTI DCKGEGSCVGAIFGANNNETESVNC SGRDSCQFVE
SLSVSKMVCNGKESCRGGKFYRETDAL ECSGNLACIRSILTGKKLRCGTAKSCKSLEW
>comp16417_c0_seq1; 130 44 829 LEN=927; translated
MLSNQVICLIGASSGIGASIAEGLFRAGANVCIGARRLGKLEEVAQICKEKYPESGGDIL
AVECDVTSRESVQNLCAKACEKYASASVDAMICCSGV MYFTQMKNVMMDQWDQ TIDVNCR
GPTNCMGAVIPKMVEAKKGIITISSDAGVRDFKNLAVY CASKR FVETVTEITRREL VGT
GVTLHTIQPGDVKGTELILKNTDSEA ADEMVAIGKPVGEGFTRENLLDPEDVANAVITI
LTAPPHVAIN SILIEARDQS
>comp16418_c0_seq1; 212 146 574 LEN=789; translated
MIRVATKASTILVSGTRRAAATTPSATPTPTFVSTTATTTTVRGMATKKAGGSTNNGRDS
IGRRLGVKILHNQ PANAGSILVRQRGLKFRAGDNVGVGKDHTLFAKQAGVVRMEKIRLGA
IAGTSKKKRIRNVVHVDALL
>comp16420_c0_seq1; 234 139 755 LEN=755; translated
MTPKSF LRP SERPKYDRSEQTACTFPAKKT RPVKFKRSNR I KRLQRERQRHKPVVNNLQF
QPRFGTKTRSPSKRRSVSNPSSPVR SAPPTSRI SFPPATKITGRTRGIIPDGRSPGKRDS
QVVQTRHGNHVPKIRCTISPPSKNTKATPEQP KTTTISKFAKQ QHPQORLQLKQHEEQQ
QQEIEQQRQIEQEHEKQEHEQQLEQQQ
>comp16425_c0_seq1; 346 106 1176 LEN=2016; translated
MTSSSPLEPKSLTKLEFEDDEQILNYHDALIYGS DLRLEFETRTEWLNDSCIHVFCLLQQ
ERQEKRGNPPSPSFLFMDPSVVSFWMHQCVDPEIEDFVANTNFPGRVPGTQTNNDSSES
GGLIFVAVNDTMSTSSCHSSANSWRTPNSGSHWSLLVAEVFVGDGLREHDCSNSKDSTDN
RSDGVSASTAATSTIELSFWHFD SIRNSGNMQAAEDIARKMRMNVPGARVVTEQRTRTQ

NPTGSPADATGAQLVRAAETPQQQNGYDCGVHVLGSARIVAARYHGRCHSASPETKTPVG
LSKKQRPSTTRCTLEEELEDFLREEIGKKNNSQEFCAKLRAETSFEIRKIAFTRKER
>comp16426_c0_seq1; 575 104 1624 LEN=1692; translated
MTQTLPRFPSSLILLLLPLLAAAQAIVEDEDPFVSTCTNRFERDVLCSINDRIDWTMKL
QRKDLTYCPASCRTCKNYDYFDSNAADVFRGRGFYSHDMNGTMYNDGDGHRLLKIHYDNYG
NLYDEDRNPIHDQDGNWIFDPSLMHPTTPYEMQTFYESVHCARDFGRIQNIWKTGDNDRM
YERILRDFSQYSPTVLSRPEDSDYASSRTAKDNPDVGVGPWLIQLENFLTEEECDEMIAQ
TKIAIEGDDTTWAGIANDTEATQMGVCQSTQAWCDPDHMCNQEILQESWSKIEDLVDIP
FATHAEPVHFIQYVPGQKYGSHTDAIPDEYDSMYGPRLF'TILFYLNDDVDDGNGGQTCFPK
IERAYPDASNSTVFQEPICVQPKGRAVIWPNILNEIPDDRVEIPDDRWTWHEAHGITEGY
KFASTVWYHLRNFSAEDIGCTNIYTDGGDYIEYGYDYDDFDDDDGYAYEGEGGDSYDEED
EDSNSFVTSNYVGHDFDELFPVAYT
>comp16427_c0_seq1; 207 71 643 LEN=1285; translated
MVPLNIEEPTLSHWSMSSMPSLNFNSDSQLSYHDEDEFD'TTNDYKKDQFPYVNVQSKNVR
FSEFSTLKYIPSNESYSEQEREAMYLTTEDKERIREEISD'TLTKIQYGDLPDTELEYFRG
LEWKGISYLYNQKKAIREITLSLILSEQEQMNEICPDWIENVYSTMTKDSVAKARKMARW
DAQCVDMAQ
>comp16428_c0_seq1; 298 513 839 LEN=839; translated
MTMMMSASNDSNESGAPASTSTSNNSVAAAATATAPPLPAATTGTGTGTATGTANSLPVT
LEREDVLRLLTQNSENNLVSVASMTDANNDSEFNSNRNNSNSNNSNNS
>comp16429_c0_seq1; 168 1 723 LEN=839; translated
DILVNNAGVMMCPGSKTEDGFETQLGVNHLGHFLMLRLLTPVLVATARSTGRPSRFVALS
SVAAAECGMNGKHGAPSIGFEDPMFETRPYDEGVAYGQSKLANYLHALEASRRIPADQLV
STSNHPGWVYTPLDKHVAAKVLGTNPVSEFLAEGLRFFLWTGHMIQPVDGAQTTLHCVL
DESVESGRFYFQFGIYKDEAFKPGGWPMERMPNPNATEEEAAEKLWELSEKLVGLSGSDTQ
>comp16431_c0_seq1; 412 507 1644 LEN=1644; translated
MVDGGERLQVLLTQEATYYQTCDYLSRMQSRARAQEAVLEAAAAAEQRCSYSATDSSEPS
SPKKRKSWEDELTSAGETSETQQTEQHRTVPTTASTCASSTGAGSVGSASSSTSQINKHWR
EKICEWAYQVVDHFDLNRREVSTAMSHLDRLVGVYDGIQVKNLQQLLQAMTCLYLSIKLNE
YKHLIPGSKSSMDTILQLSRGF'FTLKEMERMEYEVLRQLRWHVHPPTAQLFVKHFLFFL
SVEEHELHDLAQFMIELSVMDYFFVSYKPSIAMAALLNSMERLGKNASGVKFPITM'FID
IHSPAIVACRERLSLIYAQANEQGGLEAGVTPPTPEATAVAPEPSRLQRTISPVSVMAP
PEPNESTLQSYSSSQOSTCX
>comp16432_c0_seq1; 169 233 577 LEN=665; translated
MPTPAGPKLEFLEASETTISIQFKPVSSVGKYELEWKLVEHEWTSPIGKTTVKGEGKLLK
AEAVDLDPGMTYCLRAFCLGADGSKGHSAGPELIIDTEQV'GCTPKAEKSCCVIQ
>comp16433_c0_seq1; 406 354 2138 LEN=2326; translated
MIISKTRRSRIGGCFARITCGKTAHSNIQRDFALSSTTAVLSASSLLSMPINVNKSSGHY
RLPFYSSSLLSRYMQRFRSALPAEGYDDEEDENSGSNTSTSSASSATDINTAPT'PFLAD
IGEGIAEVELLRWFVTEGQMIGFDPVCEVQSDKATVEITSRFEGKVHKLAYQSPGSMIR
VGEPILWIRERSGSNEHPQQQHKDGHKPMDDMSAAPNSMYPPLNSATGLSSMRDPTDASL
MMSVKQQHSKRHEAIPGYQE'QVAGVTFSSNLTSSKKVLTSPAVRKLARDNALDLSTVMGTG
PSEIRITKGDILAALKESSPSTTSTKPAASPASTTPPAIGTCTEF'DVPLCNDITVPLR'GYN
RIMSETMTASLKI'PHMVYSDEINLNRFAQYKREQHAAEKLI'FLPLA'IKAAASKALEKYP
WLNASFDGEKQEATLWKDHNIGIAMDTSRGLIVPVLKNCQDKTLP'EAELKRLKDLATC
QEGGGLPATDLQATFTLSNVGAIGGGGT'YMSPIITPPQVAIGALGQIRRLPRFASAPCH
DQDPTASQRVEE'AHICTVSWAADHRIVDGATVARFHKSWKEYMEDPIKMLLELR
>comp16434_c0_seq1; 566 1 932 LEN=932; translated
XQQQQQLHQ'QEDDDSSAFSNPQRQPFARPPVASPGGSVY'GQQRYSA'PRT'HS'GSKSAA
SSSTN'NGLP'NGISL'KSSANPSPSGAAAMNPPSSPFSN'ASYDPQFLAAAAAFHQQLQMQ
QA'AVSSVKSAPTLQQTQ'QEEH'NNGMLWKLIQDKDNELRQVRESLQETQ'RRYQE'QVVLATK
LQTTLDQVRETFEKERLLIKLQAEKEATESMASRQEEIFRKQLEWMDTNI'AKTKNSAKAS
DEAGSELVAETETNRD'GIDPAKGEATAAAASKAKSEKDHPWNAVAKGSSGRTE'NESGMAG
SGNANNNSNS
>comp16435_c0_seq1; 355 334 1272 LEN=1320; translated
MKDLEIFLEILNTPPPSSRDGDDDRACERLWDEFDEAKKEELAGVSYAYWIVRSRAGD
HIPAGARQNSAMKEIRRHYIGESRNYARTLAVIREALEHRRRYRFDIVRSCCFEDQSYDN
DSDAELAKKYRSFIVSDLETQPMVVRGVDADRRTI'YKPPRNSPGDAEGFMVTQIYTAER
AMATSEFESRAGEEKLTVVFSFRDYSSKNSPSTSTMITLATLMQRCYPERL'GVLI'VADPP
FWMRVIFKVVWPVLS'TD'TV'NKIKMPSGQAAIEEEF'SRVAKGNKELEGMLSSGDISSIDVT

DYVRKPFYSQYK

>comp16436_c0_seq1; 681 79 2238 LEN=2518; translated
MTESISLPLNGRTDGLLRSLSSALGSDNQHNENADLIVWLETATVDDLRLAYPVLNWCNRS
FLKSAKSKDGKTGRAQSLTEATSAADAPEDNDNSSTVLLSTITTTTEEVAERI IKVLEEAI
QHDAGDSVFLSSEHANEEKKKQEVAARYASISALRMSLAGYLHTNHAKMRGLPVVSSLEER
IKGRLGFDRPAINTLNMVNAASVDHSLSMSQYIKPEDEKADKGWGI PRIHLDLGLGLQES
SPADVCKQFISDNKPLLHPFTGEKVGVMQVKKVFP SKRKPVWIEYFAPPSSPSDGSEEGS
VEEPLKPDVLAKQGDDL RNF SVT C VSR L C E D I W A A A S V D W K L G H P P T V C A Y D V L V T A P D
AGYLEMVPKGNFLDLSQKVAGVEPTNPDDSSSTTKSSSFSELSKPFCDRKTGWDDVDVK
KLAPSLVGSYIVNFVLGVRDRHEDNMMVVGDLSEDPRMMQIDFGYILMEFPGGVHFDMPR
LTMPIALVDRFNTEPGSDEGHTLMEDLQHDMLTAYLMLRRNSSQFIPFCAHLMSSSYEYK
HVEAVLRGKHVFRTNMDETKVIKWM T Q K L L T Q W A H F Y F R R E I K Q G M V S G Y Y K F V E T M T F E
NKG T D S N E K H T I R K R L T S F F A Q R S S H E A T A R S G S D H E D V D D S I D V D D D D S Y H V L D D G N N
GSRDVSNRSIQDFGVLDQDCVKEAMLQQKEVRSFMISQKEEHGTLIDLDDDEDANKSSST

>comp16437_c0_seq1; 369 115 1638 LEN=2022; translated
MISKNYLSMWLRSSRRATLWGSKTGMIEKYGVGYVARMFSTQGS SGNLLTNEEGVHQTM
RLSKSWRQKPLFRRQGDVRFKTGMEANLLIREAKRRDSHEQDYIESVTSIMQCLSPVFD
RNPKHAFVAKTLIEPERFIQFRVAWIDDDGVNRLNRGFRMQYSSALGPYAGSLHLGSLNT
HNVAHSLAFDITVFSNAVTGFPLGAAVGGSDFDPLDKSESELHRFCQSYATELAKYIGPDQ
DIPFVGMGCGKEEMGYIYGQYKRIKPTGNFM TNSNMLQAPGFTIAHFANRMLQDRGDSLE
GKRVMITGSGRTARSVAKKLLLEYGAIPITMSDASGHVYEPDGIPEGKLAMLNKIKEERGA
LLGRYIISSTTAEFNYPENLFDIPCDICIPCGAMKEIDDAEVKALADNGCKFVIEGGHSC
VTSSARKVLKKGILYGPHTMTMTGPAIIYGLGKDATDGD LKREVDRIYNEVKMTAAEFN
SHRDLYAGSNIAGFLRVANNMMLHGAV

>comp16438_c0_seq1; 602 118 1083 LEN=1150; translated
MISTAASNALRMAGRRAATSSRFGASRLSSTVHQPGSGSQANKALLATTAGLVAAVAAMQ
QQESNKTQNF FGKSAAKAVKETEEKFGTYWPRNIMILFGPPGAGKGTGPKIEDLLGIPA
LSTGDMLRAAVSAGTEVGGKAKAVMASGGLVSDIVVGIIRDRIKEEDCKHGFILDGFPR
TLAQTKALDKMLAEEGACVTKVIELEV PDSVLEERITGRWIHKKSGRSYHVKYAPPKSMK
TDASGKPIPESMTDDATGEALMQRPDDTAKALTKRLAGYHNETVPILKHYEPSGIVKAVN
ANQGMNGVWDEILAALKRGS A

>comp16439_c0_seq1; 434 150 1191 LEN=1259; translated
MTESKDNWRETLYIWDGIVTARMPSLAAEDSAKNSSESAPIPLHWEGSWLPITGAPDAATV
EAPKRNAFKRDMDAECKFAVGGNATPLTRKGDEKDDNDNDKHEHFFLAKLVDGTGWEMRD
GDGEAKATHKDNVHDVLLKTI RWSGNQKDETESLVVAKGENAFGPFCSVGWMRPGCRWTV
ARRYLPEEDPRAKWSLEEFYDVVVEKAIGDVEVAGT SKGGEEKAIKRLNLPWPQAAVMHV
DHTGGEKQE QEDGGGKRQKVDKNTSVAVCEWFASRHKRSRNNR KGRDNSCAEKEQTQGI
IEQQLEQDQQTVP HGRSVKKKEVEVTTGTELSTILTDFVVMYYHIT

>comp16441_c0_seq1; 571 378 1715 LEN=2196; translated
MMRTRKRDDDSQYNNSITSDGTSLAFDASSMSVAGSRSSLTFASSRRQHNRPRKRRRKT
LSDALQSI SLDQDVPQQILNMRDHDQSGSKNFPLRKSAASTKNNCSSNSNM TDNASWMT
DQHNNLNARQLDRQLD HQQENELDGDIIYDDDDNSQLTS SSEDAGDHRIVMDEDED
DEDDDDDDSRKKERTMTELEKAQRKVMFELVFGRNHREARKATEKNLEASRVATPPPLP
IRIHPSEDSVSVLSPPLATVSTTSRRVSRSLGNRAAATLPRSTSDGSDYGD SYKDPAD
RKLEQLLRRSLKNIQKGT HPLALPTLDAEDGSNLESLPPLKTQDDMAIDHEIYSRR TAAA
EIFAQATTAGASVPTAPVASPMGPLPVASNSTAPGVSAPPAPPNHADGMRWEQSLFPRK
RSNSLPGDLDLGC SAIGTTDMETDH

>comp16442_c0_seq1; 139 381 512 LEN=563; minus strand; translated
MVGIIYVNGTICFRVKHLKELLAPPSVTLRHVTIEGAQIVVDH

>comp16443_c0_seq1; 330 81 1022 LEN=1123; translated
MSSSSSVKSSSLGDAGTSESP T TSESTRKRKSDDIGDNVDESPSCPDFKTVIPNEKPT
VANCEEAFD KKHPRTRGSSPALENPFTNKERTIQQSKAFFHDEERGRHEVNNACSPST
PLSFRQEFHKVSTPTPSHYCVGVGGHSPTPSHYCVGGSPLSVVDELFTGFYGCMPHWE
AVPWRGSDSEDDDDDKDQDEEYSYDKNYILRRETSHDAEAI REHLSFPKRLGREYVSQST
EESRQQRNSTTINRTIRTPSSRLTTLES DSREKLP GSKMFR RTEINKVTEIHWDEKVL D
TATIEQMAKLSVY

>comp16444_c0_seq1; 167 106 522 LEN=698; translated
MLGRTISREVKLVNRLASLSLRVMP LRS LATGPPPSVPPRTPYNIDPKTADKTSEEMRL
HTRTNHESEYKLGKHRNALELVQQVPIIEVEGEMAICDGGGGALGHPLEYISLERPGVV
ERCKYCGRLRYASKAWAKH

>comp16445_c0_seq1; 281 158 949 LEN=1165; translated
MRSPLAILTVSLTLLSTQQLIVHGFVPTQGRLAASHPGRPVVDITTSQPRHQRESAGTFG
NVVRRGGNRNRDRHELAAPASLWWILGHTTLPFTGVPFVINGTKEGGWYRKIDLPWTP
PDRLFGPVWTTLYTCMGLAVSRISKASASAPFGSPLVQLWLGHMAVNVAVAPVFFGLQR
FRLGLVISYLLVGLAAIIPLFHAVDPVA AFLLVVPYGLWLSFATFGLNTSICRRNPTKNG
YNEGMFQAQLQKLQEDAAAYAGV
>comp16446_c0_seq1; 449 1 1171 LEN=1258; translated
XDVDVDVDVGPDPHPAIDEDRDSTFDGGEYSGNLRKSSEGGKVRHGDSNQVEPEDASAF
DDISELSPIRHHNEDSETEYQHSSEASTSVLQGTTFLLQRLQACAAPVVKSGTKCVAESPM
SAHLAFLRNNQRPVGGSPDIKNGGKSGILQASAGICGRPDVIDEEDESTMGESAPSRSTM
QSASPNIKSRDSNSRSRNSRQNASKDDLSSVISDGFSAKSAYLEAIAMKAAVSGGS
KKKKRRSQGSEASATTATSRSSPGSSVSASNNVCRSEKQQFLDRRAAKDEQSKQSTLQ
PSRSAEKSEVSSRAEKYASEKMNEMMDSMDNRGRAQEEYEKSGAFPKLPGATNTGNDAVL
SAAEELAAARVEAMMQRLSAQDLERNEAEI
>comp16447_c0_seq1; 324 116 889 LEN=1264; translated
MNTFFLFLVLFSPVLVVEAFFVNAPQPCRRSRSYFAAGETAETDSQEHILDQMEAAKQI
LYRAAETKQEDPDTVVDAALLDLEKLSRKANKADPSQSENTLKALSEGGMVNRLLIFTTGT
DTQRKLGGTKINYPFKATQSFDSSTTQEEWVIQNGIAVGDLELIKQGFDFWNLSEKSGL
TKLTFDFTSIQLFNGFFDIPLKKGQAADLGAKSGLGSANNVELEKQKRAFFNWISADDQ
IATARGGGGGLALWKRI
>comp16448_c0_seq1; 317 189 872 LEN=1041; translated
MAGSAAASSEASSYLFRPEERDAHYEGNTAQYLIDLHNSKSTLNFCGMMFQLVLSEKLKA
HLERVAKAASGSEEQPFIFDSSHLRMHQVSEYSQSADADNIRVFHGREIRQVPNASGGMG
FVLQLSLSDETESDPEGWTREEIKGYDGWSDSGRVWRKGDRLAEGFSDFRKRFRGPKAF
ALHHRFYLHYDKYSSMWSAEDGCEGTPAPDSGGIANRIASLMGLGA
>comp16449_c0_seq1; 267 204 698 LEN=832; translated
MATDVARSRVVALEATTNSNCSRNADNGIDNRRSFSVSSILSSAAVATLSVVIAPQPSLAA
KRYVLDDTEGEYIEQEDDGNWQAEWKSRYEQMSTMSKDEIFVAARGAGNTNLKDLENESP
ASKKRRAFSGCRDKPTRAKLGNIDEKSKTKRVLGDIDFVLGAL
>comp16450_c0_seq1; 484 215 1546 LEN=2010; translated
MQQLLPRCHAFASNANKNQLNSRISAGTWSTLSTGNHSDRFWLIRGGVVSQSFSSNQSA
LPVTKSKTNLCSTASPLDLPASSTDENDAFERRALQSLSIASGGTTDTPMKSFGGLAYRD
SSSSKSSSLFRVVFILGGPGAGKGTQCDLLIENYPCHHLSAGQLLRDEAEKKDGSSEHAT
LIEECLVAGKIVPVEISLALLENAMREVEGNDSLIFLIDGFPRNFDNLEGWTRCMTRNDK
SDESNTDAAAVWGVLSYNCPPLLEERVQMSKDSGRSDDNLESLRRRFKTFQSETVPVV
NVLKIIDEKTSMLKVVVEIEGQKSIEEVWEETQNNMNSFIANDVLSANMRLLEAVANGDI
DSYRALCAEEMFSDSQDNVIEEDLFVMKEQEAEGDKQSRKIDVKCAEMIFITGRKVSVSY
DRTLDSGISFRETRISHQGPKGW
>comp16451_c0_seq1; 273 1 930 LEN=1158; translated
RRDDGIDMHRITCKAALVFAASCGVWIDHAAALLRPLLKASPKGSSSPLPPDGCGRRAIL
VDAPLAVAASAGLFQATTTTAAAAADSPAPDIADPLLSVESASRLGSLGRLRRYPDPAL
RNVASPVARNALGSSELGDGVVDLLSNAMVGNATTAVQYQIDARIVVLRGDASPEPGGGLV
LVNPSVLARSGEDKMLAWREHCGVVAASPPAAAADRTEGLLGVDLLRDAVVEVAADPTG
RPVRRALSGEAARAFQHELDHLNGILVVDHASLDELPAWVTELEAPFHRARQKRAFARTV
YGGNGPLYW
>comp16452_c0_seq1; 642 1 1752 LEN=1944; translated
GDASRAAAAFVGSLEAEFGLAGEKRNAFAQFGREVQVASVLLPNPCTGHDELRALLTGPF
RAAIDAVATEEEASEFLERIGPFYVQAFFGALYVTSASAYSYKARAARKIRAAMKSRYE
RLAGRGAGGGELRTGDEDSGDSSARASALLRSWTEEGSGAEVGVKACGGDPAKLASRG
RCEWSESAKEDPSIVRCDLVPYELAVAPAPAPAASTDCGANHSRLLKAAFDKYAERQE
KLLSEWSDAWKPERVDIRGECETLQKLGDELRRERARAKKVVVDGVFSRPLRHLTRSKRDT
NWLSSLDRCLEGWDEHGTGDVVPVGISEIEAYAENYHHREPSHSGAVLIGLLDTAGNSSRR
HRNESSGPFGRDTEKSNVEYQLVYEKQSVKQSIQRKVHGSNNKNRGGGLATEENGLDPF
SFDVSKETKAKPATVAGKDATAEARDLDVFORRREPRCFSGLIGELRNWVKSIEEAQTED
KDFERTESSGNDSDSNPIKHAKEDGKSEIGEGKETASLSEAVEEGTSDKKDTATAESKT
AESDSRACDEAKSDDGNFDRGCREGGAKIIIEETIVNDRVPSDE
>comp16453_c0_seq1; 654 219 1544 LEN=1959; translated
MKNRGRDHRRRRTDFVVSXSISSSSRACVLLRSEILWTVATMLALCSCNFSSHPCDAKT
YPPEISPGMVTNTNRPLLRGVAGDGSRAERKAKSTRNGLSTHMEIPELQOTRMLWRNE
TPRDDDDSFVSTSHQEHKREHREDNSHHQNITIGATLVVVDKQTTGNETTTTTTKDDDDV

FYDVIPIFPTNNTEATDDLAFANETIGMLEDDDEQDDEAIP TQQEEDNSYEIMGDEENIDDN
NDADGVDDDDDDHNDNDDDRNEDQNEDETQQPRPPKDC LWRVLTGTGCTGSSSQGDET
GNGGSI IQGYQH DYLVADGTCRYNDFLGYRAGCQQQATSTFSATTRNTVEFETNTDAT
IVLEAVFCYDPKCSSGCM DGSVVHPSKVYTSNTCYASSYYYKGLMMSKEEENDTHYYYF
FGFEFVGGCFESENCHNYSIS

>comp16454_c0_seq1; 522 1 900 LEN=948; translated
PAFKLSCASNI IHRGTMKMQIALLSLTTLLSSTA AAFSPVSRTPAAPSISEHASRVSP LFM
GRAAAVRAATKSKTD AKKAKVNAVFGKKITMAVKQGGSPSLDSNRQLAEIVKQAKANNVP
VDNINRAIKRASEANTAD FSESTFEAYGFGGASLVITVLSDNANRANADV KSTVNKRNGK
IAESGSVLFMYDRKGIVEVDAEVDEEALLDAAIEADIE DFILQEGDEEGSSLV LVEPSDS
GKMF DVIKEMGFENAKMSLTWVTKAPVEVSEEDFELNMDIIDALEELDDVDSVEHNMSN

>comp16456_c0_seq1; 199 189 977 LEN=1046; translated
MRTHARRKSPRGLARILALALAVALS YRIPGCDGWSPGVP GTPDPPSAASKQKPKERKRV
TLSSREYAEAMSAIDRSSSGS GTPVEGLYEAVRLIDKNARHVYPDEASKEDLWTRAYGSWK
LVLATGGGRQTTFFKVPVFAFAMLDETTFGNGVGLNEHRVLLSLRGRHELLTRRRQM VIG
IDDVFLGSKRVTGSLPGFAGRALGLKRRTDYEA EKRRPPAFVFLAASETSLVARGGSGG
IAIWTRLEEDIRPAAYGDDAPP

>comp16457_c0_seq1; 464 62 1030 LEN=1268; translated
MKFP SRPVLLGVVAAASSAAAF CPRTTSAHAVSSAATSTTKRGMIANILDLLAGGGFDPE
MVSPSEALPGRTQKMPNIDGLRHVYVLGNKLEEVPEGHKVAVFANGCFWGSEKGIWRLPGD
GIHSTAVGYCAGFTPNPTYEEACSGRTGHTEGVRVVYDPDKIAFVDILRWFWEAHDPCSG
MGQGNDRGTQYRSGFYFFDDEQKALIEASKAAYEAKLGGERPITTEIASADDEYKYGGLW
FFGEAYHQYLAKPGARPYCSAQPQGVSVPDFDEWNP FAGNADLTEKHRPKLPESFWAKH
APKRGCSVVSEPNEPILESSYL

>comp16458_c0_seq1; 491 258 1340 LEN=1592; translated
MSD TD TD TNKNVRDFMTKIRLIILK KYLINFIAERYYSRMHTYLIFIP IQILAVWATLSS
PLFMLVTDYKDN DVPNGLVLYDDVALAEVFTNITTE DI IADDLQEEAIK KHLDLWRTLAD
TLVGAVLLIITNLGKALQYERKSEQH KIVADEMKKVLDDIN YLLRILPDNDSSLSQDMKD
KNTKIRDYIEAAFEKSKDARSALSPPQSLVMAFENIECDM NLLMTGVGTREEMGKKEDTD
GDKNGRSLRYVRKIKDEVYHVDNETRSEMLYDGYTDLADIMTAGISGCCFWRMMSSSEKAT
AKTRKGLVEELESFCENPSVEPKKKGADAI FGFYERIKAEENAEAKHTNTGGIDESEKV

>comp16459_c0_seq1; 500 120 911 LEN=1028; translated
MKFQTKAVMMTVLSSLLSSRTARGFSTIASRGRS AMVASSSSPTARF MASDSDGPM PYDE
DKMPFYALGTNLAMQVGGQGNFKT LLEDEL DIVLEAF CENLKG TNTADARIVLTKY GQQ
LNKILGDRTEGIVERVKKDGEEYCENFLACND DAVKTD SGLIYCPMKEGDGKQPV LADTV
EVHYHGTLDGT VFDSSVDRGQTISFPLGGVIKGWQ EGLAMMKEGGKATLVIPSD LAYGD
AGSGDTIPP GATLKF EVELFKVN

>comp16460_c0_seq1; 332 319 1215 LEN=1356; translated
MVNSASSSFLSATDIEAMYAQTPTPTETLSVVEKSMGGFHELLEKDKTKNSNWRLAEENC
PEECSDDFKLIFLRCEVF EVELAVKRYIKYWDNR IETFGIDKGF LPIINSDGSPGGAMKD
DLEAIDFGYFRMAPP GMCEDPDGRAICFLNASVLDEE FIIIGAQMVRASWYAIHLGLQSE
SAQRKGIVIIAKAPKRLAKALS KSPGKLLAASI QGAVPVRMAALHILD PPPAVSILTKFV
RMVLGKKVKKRIYVHECNSLEKRMEALS KYGICREQLPRAVGGDFDFDEKSWKILAAK

>comp16461_c0_seq1; 452 1 1021 LEN=1229; translated
XASASASASPSNSVSPVDLFRKKPSTANVYQSESGSNSNRSSNRSEGISNKDESSRSSSG
GRSFGHG YEYQHGVVEVGGST DDEEYFHP SKDQISEALMPDLDEPIEEERPEDLSSRDQR
NQFGHNQQYPYSNVTFGNVGMEDTAPSSGDMTLISKSGGSLTAGDASRSPSRSTKYSSS
GGTSQSGAAVNKQGVDDYEDDY EYEPVSYT NATTQYNSNRQTLADDSEYEEVEEY EIE
YTSHSDKHL SVHDGERGLGVFEEQSTYDEGDEENIQR YNTKASSKSSKSSVGSNTPL
PFLAHNAQMQQGHKNSFETLRRKWETS KSSSNSNNTS

>comp16463_c0_seq1; 171 613 1333 LEN=1504; minus strand; translated
MLHRFRSDPIRSDRVLQLAPAGDVATRVFTVPLGTGTIKGVVLI PDVNAAVIARRQQT LG
QPILVRARARVGVFRCAARRRGIDAMLEESAARRPAPVAVGLTPKHEIAHRQPRDNAAKKL
ERIRHDHQHQRVRREDSSGPEADGLQSRQRSSEGRGSLLPAGGFGLVLQQAIP SANTPR
KKVQTI AATNLGTVLSVHDSNKKLRQFL LALCPARVQWKPSMYMTMPPMESSQKRLPLG

>comp16464_c0_seq1; 313 50 1057 LEN=1157; translated
MTLNTNSNTNQQQQLKEYDPRRLPCVATADFFGDALLSQLSFYRNTPLEVDFSRPPQNGW
RWGRCHGRKGWLPDWAAPVQKQNHHPVPT EYIYIKPETTETVPVPSSTRRHS LRRSRKCI
VPMKSITESDSEGAYDDIDSSNGFDLSKNTCLGGSEWISSEGT PPSVRATEQGSPTSRTDG
SGKVPQSGIQNLRFKRASRVGSDPKDHRRENPHTKDPAGPEWDGSEAPRIVSGVDGRV

AVVEADGRTAHYRSERAYGMALAARGMAEKMAGTTKAAGHKLADTTAAGHLLSEAVRHH
KRSRKEEGRDDDDPEGEPPRTVQRGRFLVGKVAAPA
>comp16465_c0_seq1; 363 129 983 LEN=1411; translated
MTINKLVLLHTMGSSSDALRSKKVLAERKQMLKNGLGNEELLRGRALSRLPNIDLQNSSS
ISDDDDDDIEITNAPSFSSISTAESITSAPESRRFRGRSLSCVERIRRPRNTDFADTIFSV
GSSASAPELSIEDGTYALPSATISNLFQKSAPTTNNGRGGALVKKLIEEQQAKVCHKEDD
CEKEEAEQDLRAIYQRYLSGEKESVLRSGSQWTSYGYGDRRRQRAHLLRKKISRNAADGKN
PAEVGEELTAVERRNRKTLIPVEEMATDHHSKILKQRRRRARYSL
>comp16467_c0_seq1; 927 141 1997 LEN=2113; translated
MKFASAAALISLLSRPLASANLSVNPGALEAAIGCNQELGDLEFVLEDDAVVRSIEDDVR
SDLAEIGFNVVAKPLSKADLNTARQSGDFHLSISETWGLPYDPHSFAQGWIDGNGGEGIF
PAMVNLDAESSREELLDMMVEDVLQTDNPNNTARSKWYDIHKYYHEQAVLLPLYGKRIP TLL
NRRLSGYEPGYQQFDYPVQRLRVVSGSKNVTISPGARAGLFHTVGTMPHVPYGPNEFFSN
NWVYEGLVAFGPNGEVVP SLAVSWTVTPNELGGDTYTFQLREGVTFHDGAAWNCDAVAKLN
FDHILALQDTKHNWYGVGKTEDWSCNMEMEFLVLR TNEKHESYLNELSLIRPTRMSPNA
FVGGNSSDPFTSNSCHTDWGTVDVNCVGIETVAGTGPFKYVSKQEADGTTNRVTFEGNT
AWGGTVDIERLEIVRYTSDVEVLEALLSGDLDIVWGAGVLSDSILEISTDPVYSERIQ
VGQSDPIQTAMLILNTGAPPFDDINVRKTVIHAINKGDI IQKELPLASVVDNVFPRGAPY
CDVELTPRWSYDFEKAVLLSCGGTSLEFASNENLDLALGLGLGIPLALVAIVAVVLYSKN
NSLKQELEVMMKEGAQSA
>comp16468_c0_seq1; 355 605 1713 LEN=1737; translated
MSRSDKDGTVRRDPVEDAFWEIALNHDATGRAGELFSLSDDDDDVVENANQDLLGGKVTKY
SLPNSSVTLELAQLPPEDGIWSPVGDHAWYSSALLTSLILQGEISVAMGENNNHGSTQAE
EPKSIRVLELGSAGVLSGISFAVALSQQPTRVPSWTVTLTDNDATLLKQLEANVQSNIR
SGKIVLAGGENKTPGNMQSIRVEHLDDWDLGSSNGGDDNGIDKNDNKDVANPDANSQGGQL
LAADVIGSELAYTHETATALVTVLDALLRKNPSVQIWIWQVTD RYWGSEIVVPALAKP
NVVIESVPLSFDTARYGVDDDTD GWRTGPLRVWGVSNQKHAMTPEELISIDRELNREQEC
NTLECCSII
>comp16470_c0_seq1; 466 97 840 LEN=1011; translated
MVNSKKKIYDDCIGDVTSEGDTSDEECNTVGDRRKGLEVP HGNADDTSKRSQKRIGRRII
WIITAFAIVSAAIFFGGIYFSKMSKKSPLVSQSSSEDNNSVSEADFEHPLTTETADKQEQA
TINEDETSTMNQEESE TAPESNFGGKSNIGMLEDFLDYAVENDNRPKKAKDKEEKEEG
SQPMQWPDLVGMNGDDAKAELE RRYGKTKYKIVVMNYSPTTRDYRLDRIRIFTDDAGVV
MKVPRIG
>comp16472_c0_seq1; 346 82 1527 LEN=2016; translated
MISNFFVLSPRGDTIIAKRYRTEGDR TGSHERSHTEAFFRKIKFWDDNAGAGGVNSDGGG
GGDNGSAEEGLSSSISTGDAPPVFLMPDGLTYMHVKRNGLI FACSTARNVSAVTVIELL
NTIARVFKDYCGTLSEEGIRKNFILLYELLD EMLDYGYQPQVTRTLNLKSCVYNEAILIDP
VSSTSKMVNPKTASASAVHKPVISAVNANGRKTESASQQKNEIFVDILERLNVLF SANGY
VLNSTIDGCIQMSYLAGSPQLRLALNEDLAIGKNNSHYGAPTVD DINFNEIVNLSEFES
ARTLSFVPPDGEFVVLNRYRVTDGFTTPFR IIPSIIEVEVPKLEITVLRADMPANHFAN
VTVEIPLPKCTAVASCVV IASPGTGHTNAEFVRADGKILWTLKKIPGGSEQTMRAKVTLS
QPCTTQIRREIGPINMNF EIPMFNVSQLOVRYLR I AENMVGYPYRWVRYVTQSSSYVCR
V
>comp16473_c0_seq1; 308 1 1270 LEN=1542; translated
XRQLYYGTGSVGSVYVRRRGDDSSAAAAGSSPAKKASKGKAAL EALFGIRKSVANGND
DDFDDDDCETTETALWESVHLVSI EAPSADGKSC EYRIRSRVWC RYKPLDVGDVPPKDRP
PPPRKKKPEAAQEKQAPPKPKTAKALDVARLEIFDRAADNWD SHHKGKKKNGGPPKPKP
QASRVKPGVPLVPATV TSSAVYTKETTKVCTIVGAKKAGAGGLFKVPPEQHICNLGAMIE
KIEADLRSKMERVDAPRCSEILTSMYRPTLSPGLRLPARGGMVSRLGGH AVGMGVGRAL
VGEIALLARSKGLGGGTGETTGAPATNAAMEGLLARERNKLV SASALGSEPRGPLSGLSK
TASLRGVGTQVLP SGLAPGLRSLRKKTKSAPRSSSSSSLSSETAQAVPSAD FARFRN NLK
SIK
>comp16474_c0_seq1; 169 1 775 LEN=1257; translated
XDGSSKNHSELHSIQNVLLKSALSDKGPLLPKVYRKITKGFRFGIVDAMHAFTDIHPNPN
SNAETNAKTIPKEALS VVTGEEAGSIHRSAIGIGGIAIEGLASPMHAGQFSQTLRAHWKE
EASQALDHLVRSVPVARIADRTREIGATLRAS TGAVLRQGRKRSVRSRVAKNVEEAAE
AGSTKLDHGGQVAMREL RGFVGERLGAAGRKVGA FCAERWEARGQPPGGLRRWLGSANHY
KGFVGRGSGAEGTKENAA
>comp16475_c0_seq1; 84 1 283 LEN=555; translated

XQDSFHQSFQAKEHQSVVLDGTVEERRNVSQHATNLRPVAHGSHAVWAVEKSSPLSMPIVF
FGSRRACRRIRALVGEMQSRMNPEDPDGNEVDK
>comp16476_c0_seq1; 594 110 1480 LEN=1710; translated
MSSGELPLEVYHRTNAVSGSFGSVVVYDDDGEEYAMKLFDEEDEGDGSEDEYDYGISL
GALREISILRFLREENSHPNIIAHDVQTAFGEEDEEFGTYAMAMPLFPDGLANALSK
ITTKKQKVEIARGIINAIAYLHENSIIHRDIKSDNILLRINSPENKPGCDTFDPVLIDFS
LAKFVNAGECSEFEPHTPTSMGTPTYKSPPEVVAEPEYGLPSDMWSVGVVLELLELQKCID
ATRDKAAIAFVSGSLERLPEGQPFPSLLRGLLETDPKKRWTARQALDCDLFTKFMSEEA
DAKTFRQICLSSALPIEGDQSHDFGLDKENKENLWEPKRSTPKKNSNPVILKRDKLR
KICKWMEWENPMTAKAAMQYSSLMNEIVGNVDDLNESNILLDCLVLAHKFFEQHFSGTSD
LDELYNKFQGGDFDAEDYAGNENSIFAMMDFCLYPR
>comp16477_c0_seq1; 924 200 2881 LEN=2989; translated
MDGSLYSRDETEKSFESNEDNIFMTDRNVVGNANKKNSKDNDQSDNDNKSSAARSRIA
DARKNSENAEDDDNDNDKTDDENDKGNSTSDNTIYSKKENDKKRKLPLRKNLNDDTLIA
IQNYLKSDFYNNNTLEYEEVAYFSSKIHRytiERTRGRQGLLFQDGTIQNGDDLQGDIEP
IVITEEDAEEELVYNQVYQKEEFHAVAMEFSKAVMDGALQMAKPTFVWHNKTANWLKRAA
GMQRQYDPYETGENQQSRHLGSTYSESDDGEGETANGNSNGGGDIATKRVTRRRVKLTR
YKRRQERFQKENENFRIISEVALELSKQPRNTDDCSDVYMTNPIATEINGESLYRFPTE
QTGLKRICMNDITLENESGNESESACESAVLPPVVARCGLEFRRRALNLEEVRRKHRK
SRKGRGGGAGRGAQATNRLYAKKCKALMTVLSNKLARSWTIHEFFYNLDREWYQIDGFI
ADLVRGLPINSNTKLTQEWSLIRRTIRPRRFLSKRFIAEQKKNHHRALVRRLQDD
PEVTEFSPISTGTHVTAYHIRGSTIGTGRVLLHDPKTHNYLIQFADRKLGCVECPDSDVR
VSLPTKATTAKAFSPQLYEP CRAFSADFSSEGDNTELVLPKDITGTQRDDEIDRELLNSV
LAVTMEAFERKRAILQALERCATDEDNDTSKHATWLLANLDQINRTLKAASMHLQVLYGS
LYGSPVSGTETPEIKREKMALRTELPKTNEFREFMASLASATDKIGEFAFSFLGDGNGDS
SNKRLQSDFLDSAKLLLIANYLAETSSTLLASGIEKTIYSGMLNPALKSLLDNFVNNCLP
STSETLLVGKRLKEESGIEFELKQLGLAVGMLRAEVAIAADESRAFELNNAMA
>comp16478_c0_seq1; 656 106 1341 LEN=1450; translated
MKFSAAVSFLCLASASAFAPNRVKTSSSTRLYETADANQNVFGTKSLDFQGNDDSFKTV
RLRDLNEADIERRKEEDEAAAARERAAEIAAREERLAKIAYMENMADDTAGTVDEFMFKE
GVQAQLDKLDQELVGLIPVKKRVEIAALLVLDKMRRKLGFEAVPSLHMCFTGAPGTGK
TTVAVRMGQILAKMGYSRQGHVVLATRDDLQVYVGHAPKTKEMIKKAMGGVLLVDEAY
YLYNAANDRDYQESIEILLNVMENQQDDLVALAGYKDRMDTFFSYIPGMMSRIGNHID
FPNYSADDELVEIAAVMAHQLEYDIDDDAYPVFKDYISRRMELPFFSNARTVRNAMDRARM
NSAIRTFERFAINGENGVCVSHDLKAIQATDFQILLDDIVNADTDKRIFA
>comp16479_c0_seq1; 285 473 919 LEN=1353; translated
MNDEYGRNSLSSNIPLVVVINDDEENIPSIIRGLIVKEDVQLQLKKYETLLLNKKEK
SSENNGTLHQYLRQTQGYAENLLSERKELLDVIQEMEDEENRRIDQELLLKFLMCSSLF
LYLFGGSEQFLVATVVQLIVTLLNMVF
>comp16480_c0_seq1; 270 198 716 LEN=1218; translated
MTFNQAHTLPNRWMNILLGFLFVTRFLSCQALVSPPAIRNAARVGINNPLFS DASSNGI
QTVDLGSLGDDHEKQGLMADSIWRWLDVEWFPQQVHIDMADQAKQSYIKRENNQNDVM
DIMMQISNDLHADWAKYNDDAFINAWDIGNYCSYLVKQSGNEGCECASEIF
>comp16482_c0_seq1; 187 124 462 LEN=462; translated
MIPRIAAAAVLFVARTLPSGAAPSSGNLRNGLRGNLRNTNSNGEVACEQKGF GATEC
ARVGC VFDGECWSAVGTGPEGSSPEDQDSQDLEENNNEDNEDNEDNEDNE
>comp16483_c0_seq1; 422 1 842 LEN=883; translated
XEEKEEEAEAESKEEKEKDYTESPKAQNSKKVSGNSKKITSSVMVMNETNNAPEAV
QREEPLPRINAATVVQGNMTMYLLGGILEVGDREVTLDDMWAMDLRKRDKWECLWQGTMYK
QVWRGAVHDDDESYISTGIEDGSDDEVDMSDIDGEERKLRRAGLRQEVSELNEKYDLGD
QNRTPTEGESLADFYSRTEYWNAQASELLSGIDSEPLTNKELKRQGFVLAKERFEDLGP
VLERLAELNIMGDEVKRKSKDSKKKKEKKEKKEKSSK
>comp16484_c0_seq1; 363 230 1012 LEN=1168; translated
MSSSKNGEKRRITKTEKIAELQGLKLLKQENERLKSEASDGMSKSGHSTGSSSKANS DM
GKLKEALYALKRVTVKQEVSLAAMRDKAKQRAEIHENSLIKELEENKAFRKAHASLK
SSGDDVSALRSQALADLELKLAREENDRAEQTKKLESEAGISSLQALLAKTNGRGLRRT
PSSDSHGFGSVMSDSTAGEDIAKLLKQLAKKEEKITNLQYELEQCKDEIHDLKERNQFSN
AFPKTPAPGELDFEDDDDFW
>comp16485_c0_seq1; 346 102 1595 LEN=2018; translated
MAPSKRQVRGNAILPDGGIRISNDRNATLGDDREPRTEQCSPWPSSLLCFNSRNGLVLFV

AALLFLRLQQWILVGIADVASESSVFADHSQEAAHAFLLPLLSKKRVSHGDDGLDPAESRTR
PIRNRKIEQIENYKKGNGLMLNIHATHHGGTTFCGIIGRSGGPVASQKEEIAPSFACWF
DQNGTVPEAKSYYTTLNKETFLSRTPWAYDETDSFLHSLRPYFHMI SWEYMGVDDMQRN
LSETNWEHPELLSVIITRDPISRLLAGNRNMKLNYPGYNTGNLSHAGWWDIAFNPNRRLA
DNFFFRIVEGTRKDKSAGRSVAVNGTTPQNNTTAVADDSATTSESTSQRRLLKTAKKQRHRE
QQKENNDHRPDQNGLFYMFDTDDNLP SALPPLYSNLDR TNYDRAVSVLNRFTVVLDIECLN
EGILALANLVGLDPETVQA AVLQNDLHRKKRKHDTKHKPARDRIGYQDVY EYLLLEKNKW
DIKLYEYSKTVSLVRCE

>comp16486_c0_seq1; 223 177 902 LEN=1282; translated
MVEFTTLLQNTFRKFQLRGEIALLDRESTNRQRAFVVELYDLIETQRVAIQKQAE EEEAKE
SNSDPEKLADDLSKVLRI FQNVENAIRQPLEACRDEIESMEASAPMPFPVLIQRRKEEF
GVEIWP IVSQPQWLHDCLQQDLEGAMA EKSRSQNADGNTTESATDAKKELGDLVNI AVRG
VVKGTKTTIAKAI GRLSPEEREVEACVDRAKKDMALLENEKAQKFT EIEDLVEGGSTLEC
C

>comp16487_c0_seq1; 330 219 1243 LEN=1686; translated
MAVRHRAVALGGKRMAASKAPVFRSPILRGSGGGFSTSASPPPPASFFGRMWASYTEAL
IARPLL VKGGAASLI FLVSDSATQRLMNGPEAEWDGSRALSGAGFGV VATCWLHYWWGFL
E VVVNKR LPTGAYGQNK FVNALGKV VADQLVGAPLYIYSYCVTHFGKEWMAIREGAAGT
DDDDTGP DGGEEAEP S GDSLSSAVSLMKDTS DRALEMLPDTLLRHWTLP I VHTLNFYYN
PIHHRVLVQNI VLI FWSGYLSHLNNGGLDLVTPEKEVDMVVEKHQAXEAGVDHDGLGRAI
ARRQRGHNM DRGRVAEKPDAMSSDDASNISGLPVAGTSKL

>comp16488_c0_seq1; 592 81 1805 LEN=1849; translated
MHQRWKASLPALLLPFH YLSTIIQPTV VIALESKLPRQKYFKPFRPLTSSLRSPSWLLTI
KQNP GDSADSGSKVIDMILRVR SNLGTVKLTIEDELNATESTIRTAMIEEQQRKTGKMFK
ITQNL SFDP SGLHRINTSKSLKEQGIRHGSMVYCRLEEDISKDRV LMDNSD GVAQDKYEE
EKKPGQSAEKKPSSNDVIDLMDSSDEEDTAVNQKPRGDLHDDDDVVVVI SPPRSGNVHKK
QSSDKKDSQVRKRKRL ETNSASNHTKPKATMDASNIDSNPSNFQIASYNVWF GPPDPEAK
DVFPKQRMAGIVKSLRAASIMKDLKEGIVSPLL FVGLQELTPPLVKYLT PHFDSIGYRIC
TQPIG SFGPSY GIGIALPKDLAILDRQFVPYSNSIQGRGFLFIRTQTMLFATTHLESWCG
PQFTGSKEREVQLADA AKFCRDQLNSVAGLELAVILGDLNWDDERKTKRSE PANQELLSL
LPKGWKDAGT PFDYTYDQKENPMLSGNLRRRFRDCIYTTKQGKEFRSTGLQKIGKETIPN
LVWDKKNPYNGTIRKMPVSPSDHFGIVISFSNAP

>comp16489_c0_seq1; 548 135 1574 LEN=1692; translated
MSRNGYHPGGRGDSVMVLYK I INSEDRAGGLYNCFQ MAYGSGPTLNSIKQHCVA AHSLS
TLGPEGFHFRVM MEDKPNATGERSFSWWDIQDGS AKLPVKETSQHEL RKL LFP SKSSGSG
GSTTDSATKA AKGAFKMMGKAMASAIGDEGGAESHGPPVSVIVKMLDLNKIHDDYNRKH
GGAPPAGPPRRARRPAPKARTPVAASRAAAPQSRARPPQRATPAAGQPRGRPAPAPAAAN
LMDFGDAPSAAPARRAVHHAPSAMPAAPPNETRAQLKREQEARMKQNNRVWDDVDQRW
VEKPAAGAARS GAAAAAARPKKKEVGVKLDMSNAAGKSAKVQQAMQKRVNEMNATRQKAV
AEVKQREAEKKRMEDEEDAIRAQLEPKIKAWSEEHGKKKQLQALLGSLHTILWPGTKWKP
ISIGDILQPAKVKKFFYFKATLVVHPDKTRDLPAEQRF LAKRIFDAL TQAKTIWDESQAR

>comp16490_c0_seq1; 359 1 1355 LEN=1532; translated
XEA EVLRTCHKLV TILYPTAMIHYQSRQYIAMNRRQCTSH TARTCAVMGVFGIVVTTMLS
NTIVSAFCPINKLFP GKTYICNTDSRIFTEKEFVFFATDDSSDDTTLAVDELLEQVDVK
DGKKENLDEDKIRELMT ELSNADQYIWDETSSSSLFEP LIGYYNVSCTITAKPNDNPVG
GKWTRGLWTVKRTMQHVL PPLPADISSTRKDSGKDGLYEMDSGVAKEDAVAALAVAQVIN
AIRLELLWGFVNIWVLLRGDAVPLKQVKNIPTKATEDDLK KRTIPKLLPNLSDRTVKAY
FDRPKIGLSLQGRKSNPLLKRVLT LGPTSAVVLDTPYADTQVRLGKGGTSGSQFVFRRL
PDTDKAEIEEWKVVLEKSTANSSQRLTKNKL LFRV GILGVAFSILSRV LQQHWMKTGA AV
SAILSGISMIGILNSTGGIETKGD TYMVGKQ

>comp16491_c0_seq1; 399 1 1048 LEN=1063; translated
XQQQQQQQPVRTTKGTPFLGRSVLGSTFFMAVVFVVSRTVPTALGFSSRAPQLCPRCAAT
ALHATAGARYPPMSRDEVQAALDAVPVFAVTEPNQEGLVLLKEKGNPRDIAYFFFSPQAA
NTVFSPLRKKENESSGAGEWSVSAYPLGLVWFELINEPEEGVEYRLLPEPEDLIGAQNLL
QQQQKQSNKVDPR LKDLFQSPFNEVPVFDQLLRVTSQEGDDQRERVPLYLGLRDLMDAV
NQATKATSGEYQAAITGVNLRDLIDEMMSETGNDYRRAIFVPPSAKPEAGEPEGKEAAPP
AAASSSSPESGMDDDLDDFKIVEGGRPSFKATNDGPINTPTASDDLWA

>comp16493_c0_seq1; 172 1 285 LEN=610; translated
QAHNP IVSPLFTHLEPIYKMMKQTLIVAALVASASAFAPVSRPIAANTALNAEWEKDWKE
TNFEADLEKVKAEAEKRLEEKVNELANIENAGK

>comp16494_c0_seq1; 401 1 1734 LEN=1852; translated
XLYKVKTVAKIRRIIIIVVTDV GELIVQAIVRITASPAYLAFIKNILLPEKEKTIISMCRP
NNTETTGNRRKRVIISGAGPAGLLLASLLLNKNKDSSTVTVTYDVTLLDGREDFGIFITKE
ELSENHRSMWMLGLADHGMDAIKTLPDLYENYVKGEGILVREFNIFLGSKKVTQTLDSYEN
TMKRLGKSADSSPPEAFIVDRNFIVAAMARYIRETHKNDSNFKAMYKTTTCQYVDYDNRR
VLVRNVNTKEEHYVDYDLLVGC DGVRSTVREAIVKRHSDFSMEYTDIFQEFKMTHLKAPK
KVSKSAMSILPDI FPNQCQIGICLPETGDLVNI GIGVPRNLVDDLDELKSDDYRVVAEYAR
KNFKAFELEDYDDFGKQWVGQRWNQTMVHCNFYHSLKTGVVIMGDAAHATSPSIGMGMN
TALRDAQIFSEILEETQDDFEKALPAFSEARVKEGNALS DLAMHLYCMDKXHQFIETIHL
VVRSFYLSKFPTLIAEHPQTMVGRRGIALSDVYTQAVKLGVMGKHRAINDRIRMDYFERK
TGMVKASEIMGRGIVSTLIYGAGLVALGAVTYQKLIL

>comp16495_c0_seq1; 123 1 747 LEN=1022; translated
CGTIPPAVSVARIEDCTKRVEDTRANMSWKAGLSRYLPAMRFFACPESSSIGVRN WYVK
HHNELKQLNPNFLLMRTAENCMPAVTTELEWTTDHL LQFMIQTGRFRNANGTIAEDRVE
AANAYLSTDWEAF AARLAHKGFDP LQPSNQKQWTD DRSLASDLTEYSALKQSMDEQME
VIRSGPDKEYIRGVNALLMAQRVDLWCAGEKEVELAVQHLYKLGRL LNERECVFPKHID
FYPGAEDI

>comp16496_c0_seq1; 200 82 450 LEN=878; translated
MGTGPSAKKKGSRSKI KKYKRA TWLCNRAKDRDQIQDEIEKAEETGKPI SF EYDDELPGG
GQFYCVETAKHFTDAKALADHKKSRY YKKRKKELQEEKYTQETAEWASGMTKEKLPPAHP
KK

>comp16497_c0_seq1; 664 726 1991 LEN=2714; minus strand; translated
MKYSFSLVALLASTTEAFTVPKQSPTFGRTNGSAKFTPTK FVDDVATSSFD TQLSAA SL
TPLDLEKKGDIATWEKFSNWITSTDNRLYIGWFGT IMFPTLLAAASCFITAFIAAPPVDI
DGIREPVAGSLLYGNNIITG SVIPSSNAIGMHFY PVWEAASMD EWLYNGGPYQLVVMHFL
LGVASYMGREWELSYRLGMRPWIFVAFSAPVAAATAVFLTYPIGQGSFSDGMPLGISGTF
NFM L VFQA EHNILMHPLHMAGVAGVFGGSLFSAMHGSLVTSSLI RETTENESTNNGYKFG
QEEETY NIVAAHGYFGRLIFQYASFNNSRALHFFLALWPVLGIWCTAMGVSTMAFN LNGF
NFNQAVIDSEGRVINTWADI INRADLGM EVMHERNAHNFPLDLASGEILPVAMEAPAIVE
A

>comp16498_c0_seq1; 314 131 820 LEN=827; translated
MSCRNKTTTIREDTIPLAQASLLNHASELGGEVRREDILF SENPDLDSNNEHFLEANN SV
GNTIESIIQDVC SVVTSSDPTIQDPDRYRHLQLNYHQNNQEDAVSPNNIQASNIDASTTN
GAWAAGIVLGLF LIGGPSVSVAFGVGA AFYSKQEEGVAADIAKTFGTVAIF SHEKFGQVIQ
KHDIVNNISTSTVAMSKKCFD VVRNTIDQFLNRYPRQSSTNESDSINYS

>comp16499_c0_seq1; 250 72 707 LEN=881; translated
MTIRNRIEIVFAPLPEEERDVDRSGAKEFAHRTANQFRNSVTTSIKDGACVGEICHLVDW
DKERFMESVSLRSMNEIDEDMTGGKTSIIVFLISCGPDG SVHRNVRKTTKWFKEQQQTL
QLKEKSSSKAEAVESDGIITVSI FALLGH SVCKTSAEQMADEVFSPGRR LAKAIQNCMTA
SQSIPTG DTRLQNFVLETQIELEPPEEKFD AW

>comp16500_c0_seq1; 520 671 2475 LEN=2680; translated
MSNLEXLQSV EFAIWKASGPAERRKMGRFLIPQLRNATEGLLN VTRDTELLSHSIEKVNE
KKGHN TAAERSLRELHCAFLNLTQVLLDHLDDDETSTREEGENDNNRKLPTDPLQLIELVL
SISYRAHKLRLTYH LPLYQRLA IAVA EHPKIGEDKISDSMTTTLGCLVGN SRGEWIQTIN
SWSQTSFGSDSESESSNDNDHPVFR TDQNDLKWFRP SLKVLATGARWSDVWHILKGLLRP
LPELTRMDNKSHYQDRNKECYSIDHSRCSRETLL ETGVENEYDDKNAFSDQIFDDDDVIL
SSATTFPYLDEDLVIDILLPMEQQGLLADLWSDGGCYPPP KAVEDTCNIILMMEPSIWKI
FGK IASHVKANLITNLKMDQKKTYSLQDAIQILLKNSERNALDDGNPEGLGEHF LDNHEK
DSL VQALKELEDLLDEHLHPEDDQVPGNEE ANQASELTALATDLSDEVRS DGSVDKNYNS
RVHSRTSEDNSSQNLSDMMKV RVKRS GDDNIVEVTNVEDKYHQSTEEYLEGITDEDHFLY
LIYDDRARNYEDNIPDISHQIYEKNGGKQLRYTASLERHIYNGMQQRLDYDSEEDDDIHL
L

>comp16501_c0_seq1; 525 54 800 LEN=855; translated
MLFRSSALLAVLALSTTDAFGIRTAVRKPSAAVRVSVSSPLSAPVATRLGMAEEETTEE
TSDGEDAPAADDILSSPAFLKRKVEVLES DIAKTEEDLVAATERKEIAKEEWGPQLEALE
REYTNIQORMTEQNQEGSDAKVRVVKGILDLLDNFDRASGVIVAETEADQAI EAA YKQA
YQDILDKFKEMGVTEVETVGTEFDYELHQAVMQMPGSEYEEGFVCQEFQKGFIMGESLIR
PAMVAVAI

>comp16502_c0_seq1; 434 72 830 LEN=1081; translated
MIVSRKATASSSVRGIAATVRRRANGSGGHQHHRQQQQQLRSTLAGTNLPVGFRRDGDER

SEVAPARFHRPLATTECARGFHTTAPSERGPALVGLATVVSALGFAGSSAIKSYNEWKDS
QPTKEELEEMRKQEEKEQATMKAQQAKEEERKKKEQKASADDDADKPRTNIFREWFVGT
KYYEGGFEDTMTREAAALVGVRESSSPARIKAAHRKLLILNHPDTGGSTYLAGKVNEAK
ELLLKGRSAKNN

>comp16503_c0_seq1; 1074 337 2652 LEN=2988; translated
MNGLSAAMNQHQLSAFLLLCFMFAVGNATTSIYSGAISTSSSASAASNLDLQPPPIQR
ELQRPTLVEAGACIPPEVIRAIHLDPDRLPLASGGEIQTKCYNERNSCGYNDSTSPSA
CCRVSYEAGWVVCDAYNADFHMPCVCNDNTDGSPTPKPTLAPTTLPTLEPTRAPIKDPMDP
TIAPTTSKPTKEPTKEPTKDPKPKPTKPTKAPTEEPTKEPTDPPTDSLTTKKPTTKPTK
PPVVSSTNPPTTKPTSAPTLPATTEKKSPTTKPTVSLYYSTEEKYDNDLQATIRQSQCNE
APPVIEFVQAATFVYRYEVTLSTEDAASA AVAINTDDSKMQEVSDFWTRELHDELAEEFL
VCGRGVDYPYQNDAVWILQSKTHEVEDGAECSSGTGSLSSQSGISVEKRGNGDADEGSN
DDSSQNCIVMKAVSRIFAYESPVGKKTNKQLWSDANDYDNGPVAKNFAEDAIDFLEFVLR
EGGPENS NVLDVSVFQGGELVVDGDGAGNGEEVTEDEKEQDDNESNEDSATNQETATNGSE
VGNDEADSNSSGGFSIDENGENSAIDNTAVGIEGSMASNNNEKRGLTPPIIATIIVASGFVL
LLILMGVSLNRRNKNRQREEDEEYLREMEANRKLPMQYAMGAIHHLDLSDSDGDEPGP
IVRSELDLEENYKGYQTSAGPSVGDDVQSHFNFSGVVRSRQSRQSMGPLGMSDEFDLDG
QSIATTQTDRGNHRAAGPKRSSLPSLPSLQHTSPRSYNLRDVTKL

>comp16504_c0_seq1; 560 47 628 LEN=1117; translated
MARGKFNKRGGGKRVDAISAAEIEQRNQLAEFEENRAKRRAEAEQDGDAGEEKEE
KKSGQKGDAGKDSNEPVHVTSEQEHNKNLAKLEEKKRRALAEERRKAQEEIELAAEMER
KAKFKEHEAEAGDDGKKKKKSKEMDIPKLSKIEIKMKPAQMKEALKERGLAIQGNKN
ELTKRLVEYEDSR

>comp16505_c0_seq1; 198 1 801 LEN=1288; translated
KLALVQPLLDAPRASGGAVEKDPLFSASGAGPGAPTRIPGCAPKGLAKAIGKATEAASAP
EVPSPGGDSSEPPPPGGGSDDTGGTDDGCVVYARLGPACAAGDRATVEDLLGRFAS
QLEADGNLGMARNCLSRARELQARKASAVFSVATLPVLAARRWGVSPAAAREQLEEASETG
AVPSRVDADGRVFSFACALANQGRSGSTGVGLHEWIKLLEHLQKLNVDLSTSPRYHSLK
EKEGRPGQQHQPEALVADEFHVSASV

>comp16506_c0_seq1; 82 1 121 LEN=1010; translated

XKXSGKSSKHNNTKSGSKSGRDTDIPMVDLVSASMSM

>comp16507_c0_seq1; 465 70 912 LEN=1854; translated

MNSTSLPAILQPKEEDIQMMLSAGVHTGTRNSDSAMEDYIWRRRNDGVHILNIGKTWEKL
MLAARVIVAIENPEDVIAISARPYGMRAVLKFAQYTGASLAGRFTPGTFTNQITKQFRE
PRLLIITDPRDTSQAVREASYVNLVAFCDSDSPLQYIDVAIPANNKGKYSIGLMYWFL
AREILRLRGSVSRSDWDVPVDFHRDVEELKKSEEEQAQKAEAAAAPPAAAYEEIAAA
PVEVEPVAAEAPAPAAGFEAPANGLWEGGQAATTTAAGDW

>comp16508_c0_seq1; 239 208 1293 LEN=1308; translated

MEVEPDTASTSVSSSSGDGSSNDESSSPMSTDGPGSVRTGNGGSNVGESSASSSEKTYN
DLEGWLSKLSVGTPLAETE VKSLCDMARETLNESNVQVPVPAPVTVCGDIHGQWHLMEL
FRIGGSAPDTNYLFMGDYVDRGYYSVETVSMVLVCLKVRYPDRVFLRGNHESRQITQVYG
FYDECVRKYGSANVWKLFTDLFDYFPLTALVEHSVFLHGGLSPSIDTLDHVRQLDRVQE
VPHEGPMCDLLWSDPDDRLGWGISPRGAGFTFGMDISQQFNERNGLSLVARAHQLVMDGY
NWSHERAVVTIF SAPNYCYRCGNQAAIMEVDEALNKTF LQFDPAPRRGEPH LGRKTPEYF
L

>comp16509_c0_seq1; 724 328 1698 LEN=1734; translated

MDMAGGF TLQNMACLTLDGSGNEDATPSEAAATGEQQVSKEKSSSQEARDESTAPTTSHR
RGSSSSNLGTAGDIGGGFLASGFSWFDKQREKRRRDHLKQEAQKQLQKIADAQRAARK
SASGNSSTKNIHSSVNRNHSLSISSSSSSSPSQDGMVMPNNSLKSASGSSDGGDCEN
GNDKSNAKQRQTQFYTQTSNSFGTSDVSKSGEGASGTLDLSDIDALGDGGVSNRKS
TDDDES VYIIPVVRVTHVEGDEASPYILS QKQMD EIAKHVLPETITICYRWRRLYGLGRDG
DSFEGCLRIIGA EKRTLMMVVRTSKGDVFGGYADAPWHSRQANATAHFYGTASSCLF SFSS
TLTEYSSSSSPTDSPINVYRWTGKNRYIQVCDVFHKMLAFGGGDKGAFGLCLQDDFQRG
TTGHCDTFDNDPLCSGDSRTFDVVDVEFWFQTVGF

>comp16510_c0_seq1; 460 1 1932 LEN=2125; translated

KKVKRYCARKRSLKMPNFEWLIKEDVSYWADNTQEVCGDIGAATAESCSRSMETVKNA
ADKSDLCHFRSKNVPVEGTDPENPEVLNSPESDQEKENNGSNCGGEPHFLQSLRTNPSLI
SSRTGSWFNQRSLAHLPAPEETTTKGDQGSVGER TLPNSDGGDNESQDNDADKEYRYSAG
YIACVVFAVLLVFFSIGLGVTIMMRKRSQNQIGGTNITTAEDISNTT MEDLTMESDFSVN
SDTEQSEEVGANIDDASNSTTQE QPSEEIVEFDY TANTNYLVGAYYPWYSEDFHSNER

YLRESLI PPQQPALGEYDDSNPLVIKQHMEWFRRANIGLLVTSWWGPGRVEDTTTKDVIL
EHEDVGNLKI ALHYETIGRIKDKTNMSTPRSDIEYICENYFDHPNYYKIDGRPVLFVYVT
RVLHEDGVLEEALLTMRSEASKCGHNLYLIGDQVFD SAPDPDQDFVPFWYFDAVTNYDVY
GSSGRPDGYAGMEAVDKYYSDQQEWKNQALKANCYI PPVSPGYNDRSVRFQNNNPPLSR
RLSADAEEGSLFWYQLSQAELVDPQVDNMILVNSFNWEHEDTQIEPAVGVPGPSKGVTA
TLPNVYTQGLEYTAYGELYLDLGAATSKNVEDHSSYDHLIQL
>comp16511_c0_seq1; 392 144 1292 LEN=1567; translated
MAISKSTDESTRTG VYHVKESGLE YQHLRDTTVPKDGKEYVKRFQKGFQMNVIENKDNDL
VFELIGCDASFANALRRILLSEVPTVAIENVYMWNTSIIHDEVLSHRLGLIPINVDARL
FDPIEDGDDTTDQNTLVFQLQVKCPSRRQAAAKAKKATGDD SALTETEKSVLENTELDHA
AFMAAKKEAIQTPGRPYTLHLYSRDLVWVPQGDQERRFPNGIRPVHDDILIAKLRPGQEI
ELEAHAMYGIGQDHAKYSPVATASYRLYINVEIVEPIYDEDAEELAHLYEPGVFEIIPAG
VPGKRITVKVANPYACTMSRNYMRNPKLAKAIKMTRIPNHFI FSVE SVGMHKPAVLVAEA
LKVLQKKCKDLIEVTKQQQEA F
>comp16512_c0_seq1; 463 256 1254 LEN=1435; translated
MGNTGKMMRAKVYSPHPKPPMIEPPPPQDSREELEAAAATVGKKGSSSSSHNRTTESQTGA
SILEQLTIMESSTSSLRKKKGGNHRSRKSLNGPTEPPPEELVVRHGMQECISMIPEPSQ
DQASPSKGNINRDNGR DGSNNGANPLFNFDLVPTMTKDTTWNQREIPNNVDDNGTIGA
TFNPGPGPFAGDDGSKRSSTSRSIHKA AKTTEQPGKKKDRSVHERSTHDFTKQHKSTIH
HGRKERSTHGHDFTKQNSKHNTLKKNK SINSDTLAALSKLEITGTESTAFSSDCTS YDTN
DSVSLANSSSHKLHQKASYCMVFESILSVFEK
>comp16513_c0_seq1; 379 413 1503 LEN=2107; translated
MMRNNQDRRVPVTAPDDSL LHF GDVPVREIAFRRSIHDISDDEPIPIDLSKGERNCPKS
GPHSPSSIFDVDSPLQDDLFSVSDTVLSRHERTGTDNTSVYFSDENERMDEETIPSFYSI
CTTLNLDDGSADPSVMCAQIGEGSIKSMSP EVDVFGWQERSVISDVSSIVGTPSPNTQESH
QLSNPQSSPKRRRN LKKRRTNKRTK GKAKSSAREFEKLHKL MIRTASSRCLLLQQSELC
ISSSPQHVESLKL SVFKSIISSTKLR TNPNDSSRSNNDV LNISTSTSSGLPNCVAGGSV
EQSQEKPKTYTECTXKPDHYVIAIMWKS GQPTARKSTAYTSSTRPFFLFD SKTNGSNWDN
LDA
>comp16514_c0_seq1; 80 1 216 LEN=796; translated
FLPNSPLNNVKKQYQLQCTSGRKSIALAVPKSGTEDY PRLIRTQKLPTGESLVQSQKSP
ASKRNQCDTVE
>comp16515_c0_seq1; 385 427 1305 LEN=1471; translated
MKFSAAIASLLVASTSAFTPSAQVK TGSALNVGQGWSPSSPPALGSPGGPFELFSSDIPM
KRIEGGTVRTWDIPTETERLQYVLETNGRPLKAKVELWEGPV RLLHSMVDNLEDGSQTP
YKGLAFPKGPKALKI STTGSQEF PCTFGAEVPSMERTKQLIAFQNDVWDSNPKHTMQGT
VQEGGLGAVKAFPI SDSIESVQIMWWSKDTGKRAAKSKIEVLQGPNSIRQVFDLHCEGTT
QPYHAI IETPGPGWTIRMWSKAPMEYPHEIVVEPHTVADNGGAMGDDRLWWE
>comp16516_c0_seq1; 153 348 1193 LEN=1404; translated
MSSTPNGTGESDGLATTSSIPSAIAPNP IKNSHVPSLAGSVIEASDGGITGDGTNKLLI
RIQNIASTANFGIRLDLKKIALKCRNTEFNPRRFS AVVMRLREPRATALIFSSGKICVTG
VKSTHNATLAMKKFHYI IERIGFQPK EYVDFKVQNI VGTADCGFPIRLEGLVYAHSAFAS
YEP ELPGLIYRLVSPRVVFLIFVSGKIVITGAKKEVDLANALTKLYPVLVEFKKVHTAT
FPP IAPTTAQKSSSSSSGNHEQQQGLLKHSSIGSVSQAEV
>comp16517_c0_seq1; 304 1 1878 LEN=2165; minus strand; translated
XLEYLDEMTEMGIKKNV IIFGAAMSCMEKSCRADIGFQLMERMRLEDVAPNVHIYNSAIS
ACARCNLWEKGYELFVEMDRIGVNKDVVTYNAVLDAVSSQVELGRRLFKEGTDLSGFVDX
MICVFIKLFPHLEIVPATLIDIDCKGVERGFYARVSR LGTQWLELDLHFLSLGGGEIALG
WWFEELVPYLINTSKLEAVQSI SIVTGYGKTRSRGARMNDDGMRLRVRAMLK YMEIHET
PQPKNKGR IHIKNSALIEVVKKNGRIRFDLEGYTRFKEEETTANKFPDVVQV RPRFRPA
RPGQGPPTFIRDGDPVPPYRSPDDKRRELDHPVDRRSFSFRKSRDDRFPDRGPD SARPS
GDDRMPDRASSNYGRTGESPRNNQDQRYGDEWRGGQRDAPRRGAFGDQEGHGRGSRGDR
PENGI DHRRSQRGYGYEGGRPGIGNDGRRGGERQHEYDERRGGVRNWDDSGRDNMRSTN
RDYDPNLRGQAGMDRRGRDERDGRSSMSRPDQSYYSDDRRPSMDGRGGPRAPRGP PGQNM
HFQDRHS DRGSRSSGPNGGGRNGPNDMPADFRGARN TDLNAQASYRNEEELASTRKR P
YDDYQKQQPSSRGYDIEPSYAKRRSS
>comp16518_c0_seq1; 105 1 347 LEN=347; translated
XEAMALKKRAQDMENVCNVEQATGSLVKFAKRQLFAKQKQAC PASTAGGLNLLAVAA
STGSKRPAVGRGLGLGLKRVAKRPAFSSKKPVVA AVSKKVS AVPSKKASSPGDLPS
>comp16519_c0_seq1; 706 246 2330 LEN=2510; translated

MNIDFLASSEHADTDGALNRRAIQPRDDSRTSALTPIFLEFALNAEPSESVLNSLTHTT
SKVLGELILKNETLERYSEEFVLEIGEIGTTSTEENDEKCPAAYENCALVSTIVWFHHSR
ALDSGSLEMEVLNESKKDFDAILASDTGPLEAKYLGRSLSSIEYSITFTGVPSGARMNDV
QRRYFEDVTKYFLRKSSTSKIYSVIVINEIPEAFPLSQNRNEQVSGRSLFDDSTMARSGF
LRKRDMETTASNRRKIEIIAEIVGEGSVQESSNSILKGI GEHLDSYSNEFSTQPDHRSFF
GDAIDIQVKPRIHRRTNRGFTLGEVRSRILQIDGGKTSFVLVVCVLLILFVWLWILYRIY
KDCFYAPVEQVRVIDGSAKPEIEEKIELSGTIDHVKTLLGSIKNPLQLGKASDSHSMGQ
TAIDEGEKSRSNHLKSQTTPRGRSKSRGKSQKRPVSSNDPTFYDNRDLEDYSSDEESAPK
RPSHKSLPLSLDNQNDQSSHTKKHNSRSLPVDRHNEIGINKKKYERKGRRDTSATKGI
AVEGESKTLRGNTNRQTPNIGSAAKEVEKKKYSATTVSDSDSSSDSSISDVSRKVKK
RVVRRDNQYNTDPKSKNVEKMIASSDAQSNKPRVHPKHKPGDKNKFKPANEISFKVSKK
KTKPRGGNWEKVEFQRPNMGQRTPSKLEDLLFDK

>comp16520_c0_seq1; 249 1 725 LEN=1653; translated
XQLNPLMRHFDRVSNKEIDHRNKIKNTISMSSKTEARVTTVATVSAVRDMEEELEGTLPLV
ATAVSERGPGNGAIPAITQAFDYDEAISNEQQQLLAEFEFNEAFPPIPDNANQRNFAGVSD
DSKTAVGKADLIGKIRCEEELEIIRNNRRIHRSRYFEANAYKSANERAQQRDREGLQVK
DDRIGLSFAKNTLPEKVETSTEKYANNSETASKSGYHVKEYECMTYDTNEYSVSEYKSMY
D

>comp16521_c0_seq1; 606 1 1847 LEN=1989; translated
XQSVHRQQRSSTAMATTNDGSSSEAPTVTDAENRERQEAFFEFIEAAYSPDEAWVVLAS
PPPGNGGAKKNHGPRSNQIHRRLLEPLDDHDNVGDGNDGDYDGSQSRSGISVELILTLPL
LTYPSDETAPLEINASLMSRNSRNIPSKTQSNHVDASMYRKLAMDSPNLLQACRGTALE
TAGTESVFFVLSRAEQWIDEDWSELRRTVPTSGGSNRNSSAQHSSAAGTTNDRDKLPLFL
GRKLIYSHHIIAKAKRKAISDLAKDYQLGGFFKIGWPGIIVIEGEEENCNSFCDEIRSMR
WQYLVIRGEEREAVPAAATALSNTAIADKETTETRLSRLRKFPLQMKELGEDQMSHLSE
ICRKVGLLEDLFLTSMKIYNRNSNTGKGSRDEDDGEDEDETNNTNTTKSHKNTCDYGTLV
LVDHMNDPKGYTKWIRKTCQSSGCRCAVLASSVGSNEDPARSSGSNQHRPTIFVALYASE
ASSVKQVLKRWRTSKVIDSRGTPCLERKMDILVEGELPIAETGPTMALASFASLAGCS
LDSSSSKNNPGKPPSETTIYTVIDNENNRKMLTIDQTESLLHSIGGSPWKETFRTQNR
PSGGSKSKAKGNTKR

>comp16522_c0_seq1; 323 135 581 LEN=685; translated
MNNPDLAFADGPTNQNHNDLGTIGPSFHDGAQDGEEDDEAAAAAAEPTGNDTGRKKGQPP
NAAPALANEAAMALRDVSEGLDRALGSLRSSAERLLGGTASFLETGLSVEKAYGKAKDL
ECAESQRLDAVEPAVLYRSGLLLGGDAG

>comp16523_c0_seq1; 353 199 1551 LEN=1650; translated
MSECTANTAENVLDSREAIYAAAADIEVFSDSKKRIILRGCHLSTTTAATIVKILRKNET
SVEELVLDKCKGRVDIILTVVFTVAMPKVVAILLDYPPSIPFEPLAHS LGVGLLTSANLH
ELELNIGSNGGFFTLTAEARSLEQGMGSRRLSRLCIEHCRFAESSALRILAEGLRMK
GTLRDVRLAFCYEPNGQPLEDRNVACLIRSLKDNSELERVDFSCNKCLDDGMQALASLVD
STQIKVIDVSSQRMDRNESMNTFLLVGALGRTSTLESNLQSNLSSDYDMACLAAALH
NTSIKRIDLSHNNISNSALNILSSKIPFMKVLQSLRIEGTPAAALDDNVSRRLASAMREN
TVLRYVVCDSNLADYKMIYYADLNWSGRGHLLQNPACTYENENKGGIKTIPSSLWPTVL
SRIRRLSKCRERRADIIYFLLQOGSPVFPT

>comp16524_c0_seq1; 378 168 785 LEN=1232; translated
MAPGSSSKQRDYDYLFKLVLI GDSGVGKSCLLLRFADDAFTESYISTIGVDFRFRVTKID
NKTVKLQIWDTAGQERFRTITSAYYRGADGIIMVFDVSTESFDHVNDWLKEVNRYYAEG
TVKLLVGNKSDRTADKVVTEAQAKEFADELGIPFIETSAKSSKNVEEAFLTMAGELIRQR
DARGGSETTGIDLNGEKKAGSNCC

>comp16526_c0_seq1; 473 1 1363 LEN=1548; translated
XYSQLPADLQAKIFEAPKGIKRVIVSTNVAETSLTVDGIRYVIDSGFCKLKVYNPRIGM
DALLVTPVSRANAKFASGRAGRTGPGYCFRLYTERQFQDEL METAVPEIQRTNLSNVVLL
LKSLGIKNLLDFRMDPPPQENIMNSLYQLWILGALDNTGDLTDMGRRMADFPLDPPLSK
MLLFAHEKERCSKEVLVIVSMLSVPSVFFRPKDREESDAAREKFFVPESDHLTLLNVYQ
RAKQYKFDAEWCTKHF IHSKGIKAREIHAQLLDLMKQQRLEPNSSGGSWDVIRKAICSA
YFYNSSKIKGIGEYINMLNGIPCSLHPSSALFGLGYTPDYVCYHELISTSKEYMSCVTSV
DGEWLAELGPMFFSIKESFETTLKRHEKKLEQAKMAKEMAEKEARNEEEKKKSELNKR
MQSLSKRRSAVATPGRGTGGSTPRFAPKSRGRLGL

>comp16527_c0_seq1; 218 1 1030 LEN=1515; translated
XTIAEGGLFSYGPTMGVARTNSPTTVTHIALEDVAKTLHDVHRHDVCLVTSLEKEDHRTQD
QPPETPEEDSASFRRRELKTKLRALISDKNGCTEDKEVADAVKKLSELNPHPVNCARFE

LFPGEYFTRSSPNFPGRIPKPSIGQEDIVQYTLGRLSFNIFQPNELLCTVKSIRNPVHPQY
YEHDETAATFSYHFVLELTIHAPEGDLATLINRATCREDEKRNRMIVTFQGSTLIPGN
HSTVDHASTLVLEKTFANAYKKADEQRSYFGWVYQYFLKLIILGLSLPDSRTRFDSSFH
FDMKRPPKGFDFVLYLDEDMRITRGNRGTISVVERASPIGFSF
>comp16529_c0_seq1; 288 150 1448 LEN=1777; translated
MTTASSSDNASDAANTNEPGDTRAVHTWIFEPATSERNSKAFTDAGIEAIANHKYKAGHY
TFLDNLLNPIWTWLTNLLPMWLAPNAVTMLGGLHCALSYFTTWYYSNPFATPLPDWVFL
SGYCTIAYYTLDCMDGKQARRTGQSSPLGQLFDHGFDCICNLAHSSTQAGYLLLESRWFF
AFQGSLLFAFFMAQWEEYYTGMLPHAMGNFVTEVNYSIGLFAIWNSLIDRERFWTTPLG
DFLPAFLLDGSTPVAIPPLLAEEIRYVGMGIWLLGAVFLCGCSFYRTVTSPFVRENHLR
LSALSCLVTPFLIAVAPFWLPYHVLEQETRYISVGMGLLISFLTCKMICFSMARQTFASI
QMEAFPYFGI IWLIRSDYFNQHILTDQITKVILAGFCVYQAYRLVTWAKLAIDQICTRL
INCLTIKHKKKD
>comp16530_c0_seq1; 303 1 351 LEN=351; translated
XQQQQQQQASPAATTNSTVGGTTS AAPSSSTNPPVAASVSVSSNPVPAPAPVAPPVPC
QQQQQLQTQQAMMMQAMMMQSMQPMQMMQMPQAQQTAAHTTGAMPPQQQQQQX
>comp16531_c0_seq1; 258 136 807 LEN=1204; translated
MATDICIRRLTKELKLLMKDPKIPKIPKITAADANILEVHYVIEGSEKTPYTGGFYHGKL
VFPKDYPLKPPSVIMMTKNGRFQPNRRLCLSMSDFHPESWNPWMSVSTILTGLYSFMIES
APTLGSI ESSRSQKEKFARLSLDYNVRNPTFCKLFPEYVELHKERLAARQKALGISEEDK
VATISHESSDRFGANELAENGLFATAAVLISVLSIFFAMRFF
>comp16532_c0_seq1; 253 204 809 LEN=838; translated
MSAAYSHGDAEALLEENLQLNSKWTIWFNDNPRFSDPKKDWKDNLTNCGSFDTIEGFWRIF
NNLKPSMLTVNSNYHVFREGVIPMWEDEPANKNGGKFLVLTIPKKDSKTGRCDEWVLYTVL
AIIGETLMDMGNEVCGAVVSIRKNQDRVALWLKSTDKERCSKIGARWKKCLEMYRTPLRY
QEHA AAAASGRSFRNESTFEV
>comp16533_c0_seq1; 473 1 1129 LEN=1211; translated
XYPSEYPSEYPSEYPSEYPSEYPT EYSSTGSPSARMESHVSSHPSSDTTGVSSDWHSG
SPSVLSSESHSDWPSQPPNLF GPPSPSDDNIQSLTPTDNTTKPITHSPSPERTSSPSHS
TPGCPPEDPVLIDIIGGTMYPKGAPPIKITFQNTTHVGFVINTWETA FNYYTEYHESD
FGDTECLEENVEAHAEVDEYIATCMHTVSIIVNVVVDNNGAWFDDMDDAEVPECCHP
PDLKAPT VQYTFKLQCADPCPDSERRLSTKIGGDEKNSQQVPPKTNHNVMESNVPSQP
VQTMKLSAGDEEGHFCVSEDPYCGEDNNHVHVCHYSTRDGYKTF CVPEADSDVLA FYKKD
YCGPCVGGYRSKSKTK
>comp16534_c0_seq1; 264 674 1177 LEN=1344; translated
MPFAKRKGSASIPINRKS MRKTSSEHRMAQDEAEADYKDFVFFSRVNGISQQNSLLQDG
SYLKSANEILIDNIVRSRHEQNEGEKFIDDDLHHSSTIHYRTQNTFQDLKIVTPTRMDR
HVLLDNFLNEVPSPMLDSSSSHAHYQLHPAESVDDYDEDEGIFDLEL
>comp16535_c0_seq1; 1008 370 1983 LEN=2036; translated
MASSPAATADESQQVGLFSKYCDDNLI DKKTLESMPFFAMMLADEDLLPAELNDIWEA
ALKSSKDP SRVSDSFAQIYRDVDDL FEDDEEDED EDEDSGETDASSEPADSETQMADA
TENELDEELSKAYKSLCDENGLISKKMLEWEEIESLLEEGLLGEDEFEEELWANSVSDNA
ESSIDSNGFLT FNGLDEL FELDEDEDEDEEEGELPPTPATPRAMVIEGDMPPGVLF S
QLADENYL VGSKELILWVELKDMLEEGDLLESELKVI FKKYATPEGKLT EETFVEFYDEI
DGLFEEDDEDEGEVTA AAPTTPPQQAQPN TAMSERVKGDFLSFIDIVIEE DEEPCGFGAS
EADQEQVLN ILKVLEQQPTNMIVQKDG NIEQSDLAGTWELIYTSSAMKFNKGLSGIGGS
FPNGKFGSLRQDLIATKFLSDMFYKERIDVNPSSASFDVTVNGVWDLRKS SVSIFTGQPTV
ILNVEPDRVTYGPTSTRADHWKSLGPVNRDL SYLDDDLRVMRGCTSSSETV FVFKKV
>comp16536_c0_seq1; 68 1 456 LEN=738; translated
SNNSNNKIELSRFEGRPRDLTPKAWFLSALGIRDKPFDRHDWYV VNASENG GTERR YVL
DFYMGDAGPGRDFGHGQGEALPRVEIDVRPALDTPEAFGRRGIRLLREAFP GIAREWD
DRRRAGGGPSAVSSAASNPGATDARLPGTKI
>comp16537_c0_seq1; 107 1 142 LEN=243; minus strand; translated
XVWGLDEEEDDEVEGLEEGLADPPDANADAPFFLALAPGR LAEDMVAL
>comp16538_c0_seq1; -39 1 878 LEN=878; translated
XDGSGVSPSVPSGRKTGGRPRGPISRRAPVHLRPRAEAVRGRHLPTRWVFPGGGASRK
RRRVSPGAGGGPPRRIFPAARARTRSPA AFPARPPP GTERAWAAGAGAVLRRDRGRGSG
GPPGGPEKALAAGDARRGFRRQASGHARREGTPRVVLEGRGTPPERIVRTGVT SRPASA
PGTGPLELGAAPDDERNKEATGLAKQRRGWLQKNETGAESVXDFDFDFDSNPSAPNAKE
DTGPFLSIRHAAIPRIPGPGCAVLGTTKLTMYGTVIFL FVETENHCTATVSNS

>comp16539_c0_seq1; 253 1 824 LEN=866; translated
XRTRNELVTQEAKSKEGTMNQIATIKTATVGGESAPPVSMDSLPHYVETVHEDYEEYALAM
IEEEMKAIAPRPMKKIFPMTFRITMRNEYNNLVVADDSGETGDVHGLVFRGRPKQLKK
FQHKKIVKPTTTEEWTDAAANGGRGALSQIKARYEAERLRNLLLEVEKEEGIANWKDYNA
RLNKLGTWFSELLKQMDAVEEINFRRQQAQTQHVGPEDRLNQEYEEALYRRNKLEYTI
EGIRRETKTSTAAFNSDAGETTSRKRVRVYGSNAD

>comp16541_c0_seq1; 592 153 1175 LEN=1391; translated
MKNFGNSRGSYILLVLFSSFLGTNAFLASPTITLNQKLSVSPLOMSSTESDDAGIHVMVN
GMPGPMATAAAEAELRKGKMLTPVAMTGPDIEMPTIMVYDPVSQKSQEVRLIPSTQKEEL
SASIEGLKSSYGEKNVLAIDYTHPLAVNSNADFYVDQKLPFVMGTTGGDREKLMDGVNGA
KHFAVIAPNMAKQIVAMQAALDLSRKFPGSFASYKIACRESHQKTKADTSGTAKAVIDS
LTELSDDEFTYDDIEMIRDDQGAIDFGVPEEAMNGHAFHRYTLTSADGTTQFALEHNVS
RTIYAEGTADAVKFLAGRVKEENDGKVYSMIDVLEAGGLE

>comp16542_c0_seq1; 188 94 909 LEN=1395; translated
MGMKVSKERWPKKGMKNAMNCVSEDAGSSTITLQVTNCSQSSRSIPDISPSIKEPSI
ACSKPKDQLEPERRERQKQRRQRKERRKTREKHIAIKTMHKERLRLRDGSHPLDPIIHH
RNRKRRVKEDVCIICLEGNADGKPVEMFSACCGQAYHVGCIYRQLSYDSLKESRECGV
CRMAMPRLLEEDGMYIKSYTMRGVSTLRAHRGKRELQRQTFLLHSNDICYNISREDDEIEDD
DYEYEDSHESDSTMDSSSSNHELSTLYLFTES

>comp16543_c0_seq1; 177 90 317 LEN=739; translated
MILRQKLQVIIMILLTFLTFATYHQGTGGVMWLQWLSVLSIMAFLLIFDLGFTNEMNFIF
DPDADNWRKVEACN

>comp16544_c0_seq1; 356 32 598 LEN=1043; translated
MANSKIKKSSGEPDAFEQQVANELLNLEMTSTELKASLRNIYITAAKEVDCGSGRTAIL
YVPFKLLKSVNKIHKQLVRELEKKFSGKIVMIIGQRTILGKGYTRDQKTSGRPRSRTLT
AVQDAILDVVYPTIEITGKRTRVKTDGKRIMKVYLDPRDQANVEGRTDTYAAVYGLTKN
QVVFEEFQQ

>comp16545_c0_seq1; 373 73 1491 LEN=1649; translated
MRFAVAASVLSTTITNCAASLSSTKGSSTAHPPFEPFETGEGSSNDGYGHGHGNENSN
NGVYGPSEESGSLGRHSSPPSHRSLTNTGVGDGNDPTDTQTTDAGIDIGILSFRKLQPA
TDETSNAPDSPAFLDFRIVDDDKTNFGFLCNPAEDGNPESYDCSTCERIGDTSAPGTGT
VGSFVCRTPVPSSSSAGNCYEIDSRCPNNVMTVCRYDTLQRILYGETGTDTDSVSVSATG
ESSSSTSTSPYSSERCRIEATLTKTDRPVSDEEESWFEFSYCMRYNIGENGYSCMEAD
GVVCSSCRLETLDAMDENGLPRREFCATFDCGNTVLGYSGRFCKVPSLSRTALDYFVYRS
LPCDGGCNLCGSFGDAEASGGPTMAMMEFRGSSFATPGSALKNCFGAQWEALVGPTEDSY
CETAGPLVRESCGCTPRTILRPGSAASSAEAGPWLGGWAAAVGGGLVVLGCS

>comp16546_c0_seq1; 253 27 299 LEN=1116; translated
MYRTVLVLAALCIAVASAFAPIANQAIATPMVGDAPQFMENTITEFSNQVASSQVIASSV
SDFGGYFFPVPFGIGALAGLILFLAPPLADE

>comp16547_c0_seq1; 303 346 1527 LEN=1668; translated
MFRTRRLQAPIISILSPSFSASKKAASLLSAVGNMDYFSAVPDDGGFAENSPRNTFKSAI
SGFPKSWASVGCARCPVSGTIVHFCSPGNLDAPKKTGEKPFALLGITDSGQLKGDVVDFF
TEFLASRLSEETALNRTILNFKASIKGSLTAKDLLRSISHDGLPLLSIPRQPKNPQDSAS
PKSESRAHDDVSSIFLKEIVVPHFDYAVYRDGSTLISELAHPTKMPAVGVYEWPNKST
CIRPLPTAPEDERLPSPLIFHCESPEDSTRIRTFGFLEAKIGYGLSPSHGQVMLLHKD
LLGLDVRYCPRTAVSSAFAEAQDSSLAGSLEELQSTNVLVSRRREEVKSDARVNGDCWIE
VRANLKRPSKLFQRSKSSQRKQKIAKIPDLPYD

>comp16548_c0_seq1; 90 1 646 LEN=1122; translated
XSIGGRIIRNPYGSLLTSGWLKPKSLVALEVNVDGVCDEERLSFKVSRPLQTPKAQKIRTV
VIASPSSTSYAKYRLTINQFQITQMSFSAKKFLKQYGTAGVISYVGVLTALSVTSIYLGLR
SGVDVVLPLEKALGADSEFVQGVKAKLGESEPPASGEGVDSADSADMKPHQPSINWVREGTY
LGIAGALDSFVLPKLMICLPLARHLLKIRGRRRP

>comp16549_c0_seq1; 260 42 482 LEN=541; translated
MKSSSHLLFCSTTVLILGVMLRFGCASAFGLASSGSTPAIPSFKTPSPWEAIADSGVVALR
MSEQEDGPGENRRSLQDYGFSDAEIERSRKRPEKEQMKVRVDMIDNIDATTLTAVGFGLV
AFNFFVLANMGDGGIGIVAMIINSF

>comp16550_c0_seq1; 326 141 944 LEN=1236; translated
MNAPPTYIILLVLLVGSASSVDSFLATAPRTATTQKQALRASFEFLRSAPFKDANIVK
AGGWHNLEQLSEDPKALVEYVNVGLKGTSSGSIQPSVAARDSEKIEALALLLYGMGKGF
TADAIDGEWDLVFTKQGSKSPSFQKLVGKQETAGRSKNVFDVAKMVFSGDVRFWRWGKVA

TTVRYTPTSDAFSTSDGKIVVRRIVCQIINAFFKWWKLPGIPFPLPKKGFLEVLYLDE
DIRVTKGNRGGFFVHFRPGFLNQVMPL
>comp16551_c0_seq1; 438 99 1256 LEN=1529; translated
MKFGYSLCLLLAASFHAEGFTTPGPSVGAFSATNSKRKSSTTTVVVAQDSSTQLSMVASPQ
TIVPKIAIKVAVALSTALAGTGFKVFLDKPSRTYSGTVANEYDEWTEEGILEYYWGE
HIHLGYYGPDVKYKYRPLNEAQYTFIDEMMKFGGIDPQKDKAAKVLVDVCGGFGGTSRYLA
RALGPEAEVTAITLSPKQVERAQELAIEQDTHNVNFMVEDALEMPSFPDNSFDIVWACES
GEHMPDKKKYIEQMMRVLKPGKFMATWCQRDDREVFPDKRDKRDLQYLYEEWTHPYFI
SKEEYTLIDNTGVMNKVTAANWVRETIASWRHTIFKGAKDPRGFIFKPKKYIKTLRDAY
CIERMHRAFKRGLMEYGMLTATKKA
>comp16552_c0_seq1; 223 108 581 LEN=757; translated
MKSFACTLALLLSASEASAFSTSSSFAGSSIATAPQNSYGMSMEYIPSGISKEQWKKMKE
QEKNTKGNLNGASGITTFKSRFSFDWQKAGGNLFPVDPKSVKDPKDLPYMQRPGGSAD
DSDLKGGKGGFSFSFGKPKPEPEPEPEPPKKNFWTF
>comp16553_c0_seq1; 375 381 1187 LEN=1511; translated
MTKKTQFAFAAQAQNVIGGRGRKNKGGNRNGHRRTYSEDTDNTDGAGSLTYSATSSVQS
GSAAGESSTDSFADIMRVLDLQDEKQLKEFIKKEGYSSVDELQKKRGWATSGTSTVSSL
AYSTDGESALEGTKLLQTIAGQPSDSFGFDGGSTIEDENLNLFFAPAAPAIKTKGNKV
VLGKDKAAKRNTNTQSRSSNNSVGNRSYGTPEQKDRRNYSHSPTSSTKSTPVKSPSPDP
GTPPLPTKKYFTKDGMMIMEEDDDVWYKEW
>comp16554_c0_seq1; 139 341 898 LEN=1205; translated
MLQSRSQPRAFCTPGAVNGIRHYRVAKVYEPGHRPSRALHSNRGDNFAENENDKRRNTNG
SVVDYVGLACQPVVVWVSLYSVATTGGGLPAGPGGCIGAVEGLSYLIVLVLALLPTSTTTT
ISGTKEKPGDIKASFLISVNTLSRITIGLGLVILAGLAADRGCVPNAKPILDYSAYLPV
CSNEF
>comp16555_c0_seq1; 293 89 916 LEN=1365; translated
MAISLRRSRRSTKKGVSVDYNGDIVEIDRQHGVIAARGRLAQLLTEGSPNPRWLVKFDSQ
PYKDEEMYERAFGKLLHSAEDSEDPIMAQETVSGGGGGTRSKATVISTANTAAEGKGGQ
TSSEGDRSDDGKKGKSGNVSNNSDSNNDTDTATSEIAISRSRSAQLWRGSGTSLQSDGDD
STPADEPSRSASAREARSRRRQAMIDDAAIMPGETEILAGKRKLPPPSGTNRSKQCKSGD
GQYAEEGEVVVKLLTGTLYLYRGEQRRVEFVRRV
>comp16556_c0_seq1; 340 55 750 LEN=750; translated
MKILSIVVAVNAVLASAQSLLRVRDGDATDAKKRRTNTNGRKSFLMIPAHNEKVNEQIDS
KVQSVRLPTTKLNKIEEEVFKEEVNDQKIRKLGISYDDYWEKELFFSIEEKGGKGGKSG
KGGKGGSKASKSSKSYGKGGKGGYVASSSSDYRYKVTHEHNDGKGDGKGGKGGTKGY
NYYGSSGKGGKGGYDDDWTVKGGKSSGKGTGGYHYGSGDSGKGGKGGTKGY
>comp16557_c0_seq1; 247 149 454 LEN=893; translated
MNKPTAFLLLALARGSLAFTTSGPRSALSARAAPLPVSEMPHQGATSTSLNLKVKVD
PNAKTNSAGNAKAAAYGGSIAIAALLPVIFLVWSVVKGN
>comp16558_c0_seq1; 199 147 1193 LEN=1617; translated
MYSRDVGVGIDYRDEEEARRTVLKAQTTLNRWNRRAQGTAKAPLHSNTNNANGATNDTR
EGLLSQESDETEIYVVYQKYGYCSIFFSVVQTIVLVAMMAQCGVAPMNINPMIGPYDAL
SEWGAKNTVLILEDDDEWRLLTPILLHAGVIHLACNLMVQIDTGAFFEREWGSVNWLIY
LVSAVGSSALSVAMPDAISVGSSGAVMGLFGGKGAEVICRCCEKESTDQDRIAHQVRKE
QCAGVMCSVTIVMLFSFIPYVDWAAHLGGLVAGFCVGMILFSANLKKARCSKLFWLLIGV
GITITYFAVVFERMYSGEIETAELRDVCKYYRENFEDECNCQRNGD
>comp16559_c0_seq1; 282 69 467 LEN=527; translated
MFIPKENRIAVSYLQEGVCVVKDKTKSEKHPHIEGPNNLEVLCLMKSLASKNYVRVTF
SWQYNYCYLTDEGIDYLRSYLALPAEIVPATHKQTNKRPEGRDREEDKFADGGRPAFRDN
ARGGGFGRGGGV
>comp16560_c0_seq1; 697 1 1706 LEN=1728; translated
XEGYEKEFSMKVKGGSTLEICLQLLWLANAASSVVVDVEFHSTQAPTLVASQPLVIS
AGREFARFGAAANLRSEKLNPSASLDKVHRTIRPSTYNIIVSGSTDRDIMPPSDAELRANP
ELTASDGTEIFNMFLKYDFEIDSDKAIKVTVPVASSLNFNQLYDSPLDSQIWELRDSNSQLL
ECGSSMHHSNAVSLEKGYTSLSFHTRHPSRKVLEQMKDLQFQLIMSTDALDCKIYSELDK
ASTPAVTS DGRSEVGLQVLRKGSFKDLVSRPTGDLPSWVKPGDVMSGKVS LDKGRGATT
SMTLSYQVPPKSKVKLLNDNKLPEDKEDEKTLDEIVFDSKVSYLSKNRKDAAAYKELSDA
LLQENSTS IPLLTELLSFAKETKLDGEDSKEAARVSEIQKVRDLLSVSNGGPIDEAALAQ
YFGVALPTEEDLQDDKEASKLKKMQEQKLLQATLLALSDASASLAISDTSQSDLFDSS
VKELKKWPSFSDAKDKHTYAMTISRHLRLCKGEKGSIAIKTLM DARKDATPENYKELTEEL

LGIYDSLEGTEHVIEDTKNTLYKRFPK
>comp16561_c0_seq1; 238 1 1121 LEN=1121; translated
XNTTRSMIRRNESSTSSYFTRNSYRMELVFNAAFGIAHVSFLASNRETETETQQTQTEPMG
GIVCPGFKEERETDTET
AVSNQCGERGRGHGHENSESNTRPGSNPNPKPNPKPNHPWKANASENTVAEPAPPDHPPL
RMARRRVQSFARGGPVFRREHNRKHNHNLNLPATNASASPGGEATTATATATATATATATETST
TKPNQHQRFAFCLLVHEEKGVLLHCTRKKKGGKPPHYQLPGGRIDEDDYRSEQARGNDHD
HDNATAPIREPDNQRPHEDRRIDETLVFAVARTGCAREVYEETGIDFRTRPEAFVPMVLY
SDDGGGDSNSNSNX
>comp16564_c0_seq1; 374 166 801 LEN=1159; translated
MGTSTKQASSARAPSGAKNGVSKRRSSASEELSILKGNFFVTKGSSDMKWQRAKMMVGA
LAVKSYFPLQPKEDMEPLYKDDGGGETKSKFEDALQVWEDLTLRKSFTKACADLPASSSCC
GFSQSNDAASSIKQYSDLLNDGWVKYANNKLSRGGFKIDTFLWNVSASKPEDNTLLIRFFE
LSTYKFRASHAGSLDLDMLLEQEAKDDSS
>comp16565_c0_seq1; 230 111 911 LEN=965; translated
MSGWTHATNSRQRFEEALCNPSVSAIECDVLMISIGKSNASEPILAHPPSRESDLTVALML
QLIFAPEENGKKNLRKHLKLDLDFKEISAVKPTLDLIYKSNFNSDFKNEVILNADILPGPG
FDNNDPSIVSPSAFFEMCLDFIAQMKSKKSAFLFALSGLFKCNWQADELYSASRVSQMSA
LVHKYRLTTTKDSRIRIILALNARQLFRSLPVFDEFVLRVHPESTILAWTGSSEPSIPEIQ
VNGIRDYYKSKMESRIEFDCIISE
>comp16566_c0_seq1; 279 98 838 LEN=1306; translated
MGVLQDEDGILSTSESTGVYTLRMDRGNPNVFNPRFVDLLGKAIGKIEKAPHPKALVVTG
TGKFFSNGLDLEYLQRSSSESQKALITSFWELLARLMVADCRTVASINGHGFAGLFLAL
ACDYRVMRTDRGYLCWPEVNLGMRLAKGFSELSKAKIGPRVLRDGVLTAKRYGSKEALAS
GLIDEESLEHLRRTSERLAAAGLPENLGLLNFNPRFTFRSIIKELYVDAYRALTSQGQFDA
PPESRL
>comp16567_c0_seq1; 265 129 812 LEN=1264; translated
MADENNSEENNNITTEIQTEDNEIVRNIPDCLDGMKMLEYWNKFCDDCDEAMKPIGRV
VFVKSLLAFACFIIFGILAAFGFKIGETELSAYYGVVAPVTIILYFVCQVEAYAHKKAAS
KIHRACSEVGNIKGLTLTLEDEEVDWYIKITINNALQQQVEADVEAAVPAMAVAAAUSA
TQSVSAVPVAIASVSSSNTAPEKYVKDEETGKMKLNPEYRKMWNANK
>comp16568_c0_seq1; 332 391 1065 LEN=1297; translated
MAFLPGVEDLIEECKRDETAVALAILDDHGGETENLPREADIVYSTETAPPNPRDLWNTIH
SIEISPKGFGGSSGFGQKAPDPERSPAPAHCVILCDTEDKCRAARFAGTRVLCLTENDLA
DGMNIGVYSDESTGLDCYWESIYMDDIAMPGSFWLNPPHPKDDEGNGVDVFSVIKSYDD
VERKQQQQQKESTQQATNEGLADDINPEDNEGYLSAILMDMDPL
>comp16569_c0_seq1; 188 1 424 LEN=554; translated
XNNNNNLLVREDFEGLNLFGSCIESLKRNGLEWIGNKDLLIQASQFFVQCCEKNILAT
KEDFECVPLIVDCIANFPVSSYKGGFGFIFKKAQVVVDRSIMHESGLVRAIAISLESKD
MDNEIKIASRQLLKDIVWEDE
>comp16570_c0_seq1; 187 1 415 LEN=415; translated
XDNDNDNDGGDATHNDAASDDGPENDTERSAGARDQGDQSPPLVEEIQIDPLEGSRAVHS
SFFIVQGRIVVEPTTWTTRKRGPISTNFTSSSLSLSHHPPSRPSVAWPVTHEGPNKI
TRLATAGNEDEKQQQQQX
>comp16571_c0_seq1; 239 90 1100 LEN=1477; translated
MPAAKSETDAIEGLLDTDASMRPFLDTLKDGTTSKMNLSTVRSALKTFSHPQIFCGFDQ
FKSCCLPLLLPQEEKNSDSAAGGPHSSLFNTLDLFSFGTLMYDYNARENKDYFLPLNDQ
ALGKLGQLTVLSCIQDACFNGKTSVSYDSLAKPLGLTGNIRAVEDVLRCLYANVLKGLK
CQKSRFSWQGESLPVVLRSRDPSSRISDLIAALQSLGQRLEESQNDLAGTQHEVAQDLK
ETTDYWKFFVHSQRKALLEESSKGGGSKGPGVGGGEPPTVASRLFDAGRQRPGRGTGHGS
IGSDASRSNVGRSSKRSRGLAGKFTDAAGYRM
>comp16572_c0_seq1; 267 61 471 LEN=855; translated
MSDAVIAIKTRKFRNPLLSRKQMIVDVHPRANVSKDELAELLAGMYKGDAKLTTFLGF
RTKFGGKSTGFCLIIDNEESMIKFEPKRMVRKGVTTLKETSRKAIKEAKNKGKIRGT
GASIAKHAKRAEASD
>comp16573_c0_seq1; 227 206 1069 LEN=1279; translated
MKSTGATAFVQRSNIGSTKIAIELSIYNNLQRMQPRAILSGTTRTKITSLRMASKPKGRK
KKSKKKKSNGGGKFGGGGAASAAQQGSDAFVAKPIKADKNALETQWDTFASITDLEIKC
KCDDPSDDCEFFEVVDVHVRYGSDGTGDATTGWFRIGKVCTSANTSITAALALQKGLILW
TAVHMRRELLAKGGKAGARSLELWTS PAIIYMGTE TDGPLEQDEVETHLNVLAGKPSPS

LLSEVKPGSFGFRPDWNPEGFTYKRREKAALKDKKKKSGLEELLIDE
>comp16577_c0_seq1; 234 23 469 LEN=545; translated
MVIATELCALSEYRIYPGNGKLMIRRDGKPIWLGTSKAHSLTIQRKKAACLWVTQAWRRL
HKKGLSETTTKKRTRRANKVQRAVVGASLEDIKKRASEKSSVRSAARESALKDLKARKTA
TKKSGAKGGAKGATFQKVPKHMPNRNR
>comp16578_c0_seq1; 133 44 334 LEN=334; translated
MSGKGGKGGRGAKKGSVSSSQKAGLQFPVGRIGRYLRQGYATRMGAGAPVYLASVLEY
LCAEILELAGNAARDNKKSRIPRHITLAVKNDEELN
>comp16579_c0_seq1; 206 1 1174 LEN=1587; translated
XNASATELNSNICHHWRGCGSLNATGVALHEVLNRKEMAFRILHLIAVVAASQLLGGTSL
GFCFSTPSVSSRLHHADSSQRCVSSEKEYCEPEIPETPQRFQSEQRLLERKLQSLQRRRF
VSSLAFASTIGINVLCPPESSCASEQTAAAATTPQKQEESSRRRIIRLSSGLQFSDARVGS
GPQVTLAKQTPASKPSSPEATDSGLNNDGVAGNENDPGVVLMHIRALKRDGSTLLDTRD
GRPLLFRGSLIRAEELYINEGSALSKGMIPLGVQDAILAQGSASWEGGYKADPMRLGG
LRMVVVPPELAYGSKGVSRYEAYKLGRLAPVARNELLRYEIELFRCNDNELELGSGKADT
ANESTQIAAAAAPRARVCCLEDFYPCQTPKS
>comp16580_c0_seq1; 277 1 1802 LEN=2047; translated
XPLSLAPFEAKNQNEPTKLTAEQTVPHPIPLGATTRFNALSCKMWRRTARTILVGLVLFV
ETTAVAPGSTDSVMSPITSQPLLSHRIVSNHGEYVSFDPNATEYWFDAVIDHFNFRPTE
QGTFFPLRYFVNDQYYANRSPVIFYAGNEAPITQFLENSGFLWEAAKQLQGMVVFVFAEHRY
YGESFPFGIPEAAMTPQNISYLTVEQAMEDFNTLQIHIRKKWGMLRDTAFLATGGSYGGN
LALWLRKLNPNLWAGALASSATPLKHLRESNSFSRIVADVGNVSTACPVKIREGWFDL
FENVKTEAGREIVKNEKLVPSPEEIKPENVAREIYGWISGALETMVQYGYPPYPTFEY
NPVPGYFVRVACENLLEQSSSLGSLRAAAQVYYNTTGQAGSCFDWLPSSLANKTLQTNRG
LMRHGKQRRFGDEDLVGTAWGYQCCTEVYQPMPTDGVTDLELPYQPNKTAYFERCRERW
DGVEPRPDWEEMTFMGDNIQAGSNIFLTSGQLDPWRAAGIQSLPRNADPETIVRVVIENG
AHLDLRSSHPLDPPSVTMVRQEEIKNFERWIRQWRSTYPSYSDAKETGGKTSLRGAVET
>comp16582_c0_seq1; 247 1 714 LEN=832; translated
NNNLHGAASSAGYNQMYPPGLASSASLSASPEGGGSGGALSPLLASSWTTSPVPEDP
FASPGKPPSEAQFSFANVASKGHERKRFAGTFCFPATTSASARPSIPTVRIPQDLWNPHE
NRDPSVFYISDPLERYQKVAASVQRSDVIDLHFQSTKTFPKVLETMLPLKLGSESANRGK
VWIVTGTGHHVGGKTHQKGGGALESVVRWLSKKNYRFAKGRDKNGLCGALLVTADR
>comp16583_c0_seq1; 234 685 990 LEN=1040; minus strand; translated
MLVLLTACCTPPPLSILISDMNGVPSYVLPPLDHDRLLSRHLPLSLVSDFFASLLAPSIS
RGRKNGSFEPGVSPSDASFSLDVSSSKSETPILIGRNKSSI
>comp16584_c0_seq1; 173 440 1027 LEN=1110; minus strand; translated
MVGYSGNILAYLSNRRSRPFDSEKEQRESRPMFRARNAEFQARLSSLFRYGPVVSWSGIS
RERSSDGIRLRSVARSPLRCVDTGAGDLYSAVRCNTTARRQERLDTLPNAGGSPIDCNPS
YGNMEGHEEHDHASLMELEDDPHNHGGMGEEEMDIEPNRVVVGNEGNREEFWAHEPSKEE
IWSVRFHFYLSREIT
>comp16586_c0_seq1; 215 76 609 LEN=754; translated
MGSSSSKTEAQNKNSKCQDDFGTKVRNAVNDEIARRAMMQREIQMAVNIARTRDILCVFG
TAWGFLTAGVVTAKALGKKVPPVAGVPIVVGGLVLGNFYDLAYGNKLQRVVKEAEHILEH
ERGRFVFPKQAPFSKPHYTDEERAALFESASAVGDLFPNSFYAPRQGLPPPPTPSGKE
>comp16587_c0_seq1; 249 211 438 LEN=533; translated
MKLSLALLVVGISSASAFAPPATFTTAKVSTTQVNAEPDEEDGLDLDLGEMFEMFDAADK
QDFDDAIKKVKGDE
>comp16588_c0_seq1; 350 66 1010 LEN=1171; translated
MVGSNRGAKVFRHLDDVENLSYGKGAKKQRTGSRFTCHRLNREERQIFDRAKRDGYLA
VRNGYRKERKGSVWNTHRQRCDALKEPCVVVEKRSDDSDRVVVDLSTLRVPDDAKLVEF
LLEEVFKPNYPEFFEAAILLAGMSRLGGDRKGGQSSCEESDGHEGSVSLPKADNTTHRPID
WETVATKPIWGVDERLIAVSCDRDTAKSIARDVLGRCGSVRFAMLLADAENTPVEITTEN
IPAEGDPTPTVVSTQREEEWLEVPTEETMLCGVGCDDKKQRRRIPESLGKTSNHNADQINA
TESVDTDCIDWNDI
>comp16589_c0_seq1; 371 282 1169 LEN=1517; translated
MSRAEGSIPSVSERKRNKRSSRKKIDLQPGSPPEEYWNVDGLSEVSREQIGFLAEGFLKEL
WARCGKQVAIDQVSLMIAEVQFSRGFDLLYKIHNDNEAALVEFHKSLKIRENILGKDHRDT
GKTYCFVGHTLREMRDYDNSLGQYRSALRILVALLGKNHNHTKDVI SCVDDVLKAKGYPD
EQVGDYLTCLLTSMEHKRNGDELME SNGGDFDLAIQAYKKALIVEEIDAIGKYHPDTAEI
YSKIGSCLARTGDLKRACVEYGNALS IYAVTLGSDHRDTKEALKHIQNLPSLMMR

>comp16590_c0_seq1; 175 94 315 LEN=570; translated
MPAPRNIRNRNAKFNKNITKRGVDPGKVKEREDDGPRISPALIGFFLVIVVGSLLVQVF
NLFGGPKPPELEDE

>comp16591_c0_seq1; 542 239 1546 LEN=1700; translated
MEEFRSPVLIAPCKSPLMGGVVSNSIIQAKSLGMKRRRLSGPSTDTGGSLSIGKKVCRQVKC
AHRLSKVKWDLPAQHREDHPLPLPKKRCVENETDTWHSKEEYKLLLLDQFLTVHIMRSL
RALSQNEDEKSGDSNKDKKFCDDYLKLAIDPKDYCERGLENYESEEGRHQINLNRKRH
KLLVIEEYKQRITGTNDPELVRIISMTQSVRSMLKAQLLAAIDQQEARANNNGAKDETN
GNNGKKKYVVKQHLLCPCVSLMSHLDSNGTKPTNSASVINEENIVAQLLVHRNDGHYVPQ
AVRDEFKQHKQLQYRDLLLQHRNFLLKQQQQQLQHHIHSESKLHQHLQHCDKTCYNDKI
MNIQQNTSLSPIAISLILNSMQGQELLRCNQQQQQHHLHCYQKHIQHLLHRHHHQQLR
VIGLASAGSVENSPR

>comp16592_c0_seq1; 217 142 468 LEN=1068; translated
MKANPMGGSTMAKGIIVLEKIGIEAKQPNSAIRKCVRVQLIKNGKKIAAFVPRDGLNYVD
ENDEVLIAGFGRSGHSVGDIAGVRFKVVKVSGLWALYKEKKEKPRS

>comp16593_c0_seq1; 352 128 1774 LEN=1816; translated
MTELLLRKIIIPMVFFCFALGPLKRVAGLVGRNSWNSTPKQYVSKFTRRHQWNNRRNEFR
DTRLFFLDTKFQIKNSVRQIRVNAALTTIQRCMATDLQDVSDQEKIIDEVSMEEADGDK
PSEENFLPSIMDGFVVRMYKTCQDSGFLLDQVEALVGVDDVGRLELTPRNISVPIALMM
LDPGEYPSRSAARKACRKARILIHGPLEIDTETGEEQFDAKNCVRRARVGDVFPDVMC
VQVRIADGTVPVARHQKPPFELPVVFEDDHFAIVNKPAGIVVYAKKGGGEGFMTIRAAIP
FAVSPPKAGTYSSLRRPKPVHRLDKPTSGLLIVAKTMPAMVNLSEQFRARKVKKTYTAIV
NGIPPERAESVISTKEAYTMGFVDVDPDSCSNKQVIDHVLDEKSAVTGWRALKYSNSIL
ANENVLTTVELKPKTGRYHQLRRHMSWVCECPIIGDKEYDGGGDAQGLRGEGLFLCSNKV
TLEHPFYNSLEEEGEKLLQQLSEKEKESLWLSPEGKVMVTASIELPKDFQSFISSQNADF
KKKLEQEN

>comp16594_c0_seq1; 151 522 720 LEN=720; translated
MSAIHTRSTRTSAFTLPVKEQEQSPRICASSSTASTASTSSASTSTPSPQAASEHKDDS
NNNSNSX

>comp16595_c0_seq1; 151 149 307 LEN=307; translated
MMNSTTDEFGANPFRIDGGAQPDIFAPVPQQQQQQAQQPQFAQPPPLQQPQF

>comp16596_c0_seq1; 526 157 1599 LEN=1929; translated
MEIAPAEITIGSATSTIDGSPDDHEGSGKMSNTILDNLELEEPAPYVVGKPGMAPTEVVV
NAAIISIDGVPNVVNTTEEKDDSELEHDEVGLNPIDDEAEKIMLENENKQCCDTAMDK
CLDTSMVSDDMIEKIMCRADRKLCTCEVTDWMEKTTGYALCGDKDDAIVAEEDVTSISVD
GTKVDSLFDDESASLDSRSQPNQYSASMLETSTSPSVTEEGHQKLNKTKRIETILENEDEA
KDEKDDSKCHIVPAVLPSTKPPDRKNSSEEKESADNSGASVKETVISSSTETVKEENEN
EKSEIDGNMCDSAMTTLPSVINSMDSNPSVEDTSSAQEPAVIEDDREDRSSLKSPFKMR
SIQSIMKKAESNREEECEDQSGFECVLQRKITFEKQKIWQPKTPKSTSSSITELFDEQST
GNTTTLVSVTPSPEKKMKKSLSRGKFSKRMSFKKRASSPVKQSPVAHSDSKGSTVDCF

>comp16598_c0_seq1; 140 285 1613 LEN=1802; translated
MSGSVLQGDVLADSSVSVGESPLALSESMKLTLLWYPRVTGAVAFASSMCMISLAWSKRS
HLFHRIVLGMFSFHLLYGICYMIGALAIPEGEEYGYVGYSONVGTIETCTAQGFIIYVSIR
TGVFYAACLFLSFLGLVNNFDDKKYAACEKWIHAIHAGIPFSFAFYFLAVEGFNPGYSF
CRQTSHPGCSSTDENLACERGPDSHGPLEMFWFFLFPVLIIVGISTGLMVALYKIKKRE
QRQLENPQTELVCVMQSGQVRKQSCIIYLLVLYWVITPFFVFRMIFIVFPFDDILPVRVFA
EINYALFFFWTLLMYRYFTADAVSASQAGSNAGSQEPKPSAHIQSSEFIFNFDDAEKDA
GTASPDRNENGPAPAEAGNSNTPETPPSLQRSQSQQEQFTFNI FDGTNATGTYSGF IYCG
DSDEDEDADQRETDHWNVSQNLR

>comp16599_c0_seq1; 289 394 1329 LEN=1744; translated
MNFRAVVALLLASTTDAFTSPFTTNSLGEIQLPRKNYDCQECMDRNNRQAKSASRSETK
VFMRNFDTGNTNTIARQQLKNTTSPSSQLGNADVAYSVSASKTTTTLAI AEDEDDDNA
YVRFAYEYPFVNNFIIASLKTTVADLLAQIVIAQTPLDQVDLQRSLLFCAFGGIYSGAFQ
YLYQVQIFKFLFDVKFTSQSWSQKLRDIPGMQALAAQTLDLTLVTLVYLPAFYIFKAS
VFTGTSDPSVWFSSGVSTYTTNFGKDEADLLKVWLPADLVCFVPLYL RMPVRQSVSFLW
TAYLSFARGGH

>comp16600_c0_seq1; 209 90 518 LEN=1088; translated
MVFRKIFKGRRSRKEKSFSDAISIDASISSRSCRKGPTRYDGAFFVETVTTTMEEQDAD
CYDCNPQRNDSHAIYMFPTAWKERTGSRCDGAYDTIDTENRTKTTLQDDDDSDITEMKNYE
MGWDLAVDVNEDRYKSKEDSLSW

MAPFQSTFLLLVFTAFTMSTSAVAATNRERQQMRGMTSKRLRGGKKTSTSTNHNQYVGEN
SRTGQAAVGVSAALRGSAAETSLPTNFEANYGNRLLLHKIDKHFPKRLEETQDDLKGI SKNQ
KNEKGDKKQTKNTKATIPAEQVVKQVELDLHDKGDNKGTENK DENEKEDNIEKGDKDGDK
KNQPKGKKKKKKKKK

>comp16612_c0_seq1; 142 134 440 LEN=440; translated
MPKPTVLRCDPELFEKDLTGRIAIIVTGANSIGLEIARQLSSQGAHVVVACRNRDRGTDA
SKEIGDGSFLAPLDLQSVRAFCD SFLGAYDRDLILVNNAX

>comp16613_c0_seq1; 41 1 238 LEN=420; translated
XWHHKYPFDYACSEFGILTQYNPSKLIIDTMAALGLVWGRKRATSAWAMTRERRDRERSA
ASESDKDSKKNIP LTKKVL

>comp16615_c0_seq1; 444 311 1405 LEN=1788; translated
MKINNRASSSIFCAAVLLSVVGTGFDGAATVSALSPSGVPTARTRSTRATTERIRNSRSI
HRKTNRNYKYKHKQKRSSDFALFMHSESR TTS GSHQGNAGA QHDNRKHPPSNVPGVSPR
TTTSTARSAAALVDMEGASPSGSRRESGGIRIRSRVQTF LKKRKRGNKFVQEVTDIDAVKG
LIVESGR TAAVTAVIFHAPYCKACKASMP LFENLAKKYTSPNGPPPQRRRKQOHPANQC
PSRQRP SDPVWAAASSSSGRGELFGEGSPALSGAPAPEG PLPPDVR FVSVPVTQENAAAL
EDFGVTRFPLAHIYDPKEGLVDERPVLKRFRAGFEERLASVVGDRSGSHRPSPEGSFNA
TSPA

>comp16616_c0_seq1; 272 323 1597 LEN=1768; translated
MVGFCFGRKSLISSILLLLIAPVLVAADRDTLSANVLSKYWIDARDVLEELDNYQALWIK
IHGCVWSECAVDNDDDDGEGRDGDEQWYLARTQDFCANVAFSLYGI PKNHISALSCSRGN
FINSFFTYGGADTLLEALGKRPSVYNAEY TNGYNSNYANGYNISNANCVVSEENYMSS
TMGCSEKGFALAEFEGEYCHGTFDYDIIDPLRKYNRQMGQIGCHR IWGRSFGSADVATQ
IFKNSWSCDLNLYPNGCPDPYGGKASYDYALRAVAHGQSPTWAVANMKLVPLRVLSWFL
IIAGVFFLVFGYHVQNRRERMAASGGGLRGFFRVLSEDIHNYRKKLAKKRRAARTAAQEAR
AQRKAERKRKKKKSSSKRDRSGRRSSRNRSRSGGNRDI ELAPTGSTFTGMSSAYDSPV
SSML

>comp16617_c0_seq1; 539 198 1508 LEN=1530; translated
MPVPSATTNMSDPSSVREWLANKHPKQLDLLDSFETELRMAGRLSKHPSQSDRLSITIRT
VEVLKTMIGSTRWKSPAELLVLLRGLGRMDAAGGFREPAIGNVVRILAAVREEVLSGG
PTRVENRSSLESMLWALPQHVKTHTRGNSMSLHSSSQENQSQQERRHMRSESVGSGVDIL
EQQSLDAQDPLSNLPIFFAQPRPDLKQSIMEVIQEITSDLEDLHKTINGQATNHIHSGE
IILTYGKSDTVIEFLRAAADKLRFTVIVCECAPHYEGHAMARALAEPT EAGNSIDVCVI
PDAAIFAMMARANKVLLPAHAVLANGGLVAPSGSNLVVSA AENAVPVVCLTGMFKLTPL
FPHEGQDTLNDLLSPGSSVVDYTSQQDQEVDFVNPLYDYIRPERINLYVTN VGSFQPSYIY
RLLESEYYHQDDWGSPN

>comp16618_c0_seq1; 588 295 1068 LEN=1396; translated
MNSSSVAVEDGVDIEGNLRHVRSIEAACESAGRPVDSVRLVAVSKTKPFSYIQEAYYKC
GQKVFGENYAQELEEKAKEMGADENYQRDISWHF IGGLQSNKAAKLVKNVVPYKGLVET
VNSEKVANKLDNAMANNFPEDDTPPLDVFVQVNTS GEASKSGVSVDESIDL SKHIAENCK
RLNLKGVMTIGAPGDVDCLEQLGICREKVAEALSLETGDLELSMGMSGDYETAIAKGSTN
VRVGSTIFGQRDYSNKA

>comp16619_c0_seq1; 143 1 175 LEN=504; translated
XDDDDDDDDKCLFLSARFIEGIEAWRFVPGSSKIDPKDYLYLDQDETLRVCQVECSRY

>comp16620_c0_seq1; 259 113 460 LEN=599; translated
MSAETKSTADAMVDIAKGSAAASGGPEAFVGTYPVNHPPGGTRTIKLVAEKAGDYQLAE
VHGGGGTGEPEESYVLPAAVIGDRLIVIDFSPKGGPKDLIAVLDNGDIVFVQDGNRW

>comp16621_c0_seq1; 194 36 686 LEN=1052; translated
MSFLTRTIAFLAVAI SLSSSTTVSAFSAVSFGNGNGSNSASSQASTGPEMNTPARQSLPDH
LRLEEIPGKGLG VITNVKIPAGQVVG DYKGEVMTEEEKDRRYLDSCAHLRQPVDLWRQS
RIDRGQMTGTLYLVGVHPNKSSQIFVDAEDEYCSLWTRFLNHASPPASNVNPKSLHQGI
DGNPRVWFVSIRDIEIGEEICFDYGDYWL PEDNVV

>comp16622_c0_seq1; 393 1 936 LEN=966; translated
TGTVKAEIISMSKSR TALNKTFTRRSDTNTTAQRYIQAMSLTAMRNGFIAMLLV VSTSS
RIQVANALSFSPSASRRDFFTAAAVATGTASTLFPINPLVPGNGAAIAAGIPSVYEGMS
AFAANKVEESITIIDSIIRDDPRRKPYLWQRGLS LYYADRYAEGADQFATDVAVNPNDTE
EQIWHLLCLSKTEGVGSLEEARARKLTVGKDRRPMVRLVQKLF LGETNGSLSPLDTEKEL
IAMAGNGNANNAGNQFYAALYLSLYYESLKEEKL SQQWVMNAVGT EYAKTIGRRDPMVDV
AKIAMKRRGWD

>comp16623_c0_seq1; 308 191 1206 LEN=1206; translated

MRQQRHPRRNALTYTSSSTLGSSTTEEEEDENTVVS IENPKTGQIVTLIGTAHMSEKSN
NQVQRLIESLQPNAMVIEIDPSRLERLGFDSADEIQVRKVTNSEIDIDLPIAPQTTRGGFL
GMAQKVFVGFASQIARLLLTNMYKSMENEMDQKAGGEFLRAVQSAENCTVCDTVILGDRN
SVKTIQVAELAIESGDFMGVLDRLQGVNKEEMDKLEPQVRKELLRRKGQEGNDDYELDE
VELTTAMMETLKEDKQFRTRLF SKLEQDVPEFTQAFLKERDYLMSESIRRELELNPKEVK
NVVGVVGLAHVPGMEKHQAVFSNRPAPLVEDLTCSEEX
>comp16624_c0_seq1; 446 288 1772 LEN=1804; translated
MLQDGIPIKGSIDLKKSNAITTKLQKQYKYKYKMNFDSQLKQYSGNNLLFGTELAGRIQ
RDDHFKLSPSSSRSLGSLDFSHSPLSQGKSSDFGGSVLDLSPKPSEARNRQRSVSDLTAT
PPRHANTAKIPHTLFLSHSPTKTDNRNDSTMRIPLPYSFPNHPSPPTSPKLLKALNNAEQ
EYRMLLQHSGARIGSNYGT SQFAGRQKQKAPLSSLPSSITTSKMENSSESSEGRPKRGRYD
EPHDL SKLSPLKRRFSNPVQRRLVDLELKRIQAQEQEAKHHEPQNNLPRRISMTAPNLL
MKLKHSSRTNISDSGSSIGLSTPRSPQLAATSKNHLEMKQKYLKSADANLKAASQWSKPK
VNRTPAASSSNWAGTQKMVFVTS GFPLPLSNTGSAKEKSICTGLLRNRVKANIDTF
KDFNRDNSSKRFVVDKAPSLTSFGRKWNQMANRNVHINEHKISKSEQDMLLRESFGRAIT
RRPDEYMSRKYRR
>comp16625_c0_seq1; 192 56 343 LEN=1244; translated
MAQFIVNPKPFLADLTGKIVRVRLKWGMEYEGK LASSDAYMNLQLLNTEEYIDGELAGAL
GEVLVRCNNVLYIKASENQVEDDDGGNAPDEAMRD
>comp16628_c0_seq1; 240 66 737 LEN=1113; translated
MMEGPM SYDNHGYGQYSHDNNSPVNSDGNYQSPMISPGQWNAS PSSSNYATISPQSHA
SIHGSPNSKTSVEIRSSPSTPPSS LQTPALPSELGGQGLQKEAEKSDRRSQEKLRQFL
DKSAFDQEREKNANRRVQSMMIQATRRNRDDETFGKHEARSFLVSSGGEAFATSSRKTQ
QEPMV MEDLKGSVNDFKQCQDRGRERAAKFHAMRIITRLDNAA
>comp16629_c0_seq1; 257 1 786 LEN=1137; translated
KEAGSGPNLCTDRLAPERSCTVLPSTHTPTMFLRNNLL LALLVVQNSLSGSSAFVVSAPA
ASKTRGAFSPTDAAPSSATAF SNTAAEASSSALGVGGLELVDPSYNLAIGAF AIGLAGGF
LEDLRDENGELLLTAKPFGLAVIFTVFSLFLAFQTTTLRF AFDDDSFSLVQANGANLEQ
ENIVVGGENKWRYSDFSNYDFLPSRDFPILVYFREDQTPVENREEVPITIDNLEQVHFF
PAISNSKQLEEGFVKHGCPKV
>comp16630_c0_seq1; 403 17 1411 LEN=1785; translated
MATMENLEQVYNVPIVAEKGNEHSDSETLNEEQHSYILRGLNEEEV RPWSEFCASVFSYK
ANPPPAEYFYRHYANDPSRGSSKLIRVALYNGNIVASCRIFLRTISSGKGRGARGLRAGG
IGEVC TAVEHRRRGISTALLKSTIPIMRERGLEVSSLHAAPVFFPLYESMGYSPTTSGNQ
WSSVVMTKTSTLANGNDNAPIMQESDRCVVRQARFPGDTEALQELHAQYSEERLAGCLTR
SKDYWTRYLSQELEGLSFLVLTGTPAPRSENATKDTNGETILAWLSLQSSNSSSPNREEGF
PCFQLKEFGRNLSAAPPGGCAIPTGLALGTLVAHA AVASKPFSDQPPFRGASNTATAAGGT
TDELTVRLKMPRFVRNEIRSDDKTEDAGTTNGVFRFDWESERTENDNGWMYRSLVSQPKA
DGEETKSCDVSDFLFVCGQGSNHKAIANQKLPAEHFVWPSDSF
>comp16631_c0_seq1; 532 215 1289 LEN=1289; translated
MIPAGTSAIYRWNALDDLDDGISDSVNDDLLLGSDADMNYNPDDISPPARSKSLNSHLG
LQPLDSMASTVEDTSCSSNSNSHDEDDTIDEDALILALDDR TNKTTQQRSYANKLKQLQ
HMDSLPLSSKPDSSPLAVRMKKS VKHGHGNTYYRSNDAAKKSNSVVF AHTNTKENENYQL
RNTMELRSVVQSHGTQEKALASIQNHRPATAIGTIQSDGMIAIRKANDITEYECSNDDSG
GNRNENSKSNGMGDIDS IYMDIERVPTQEYNEESLRPLSRVATVHSDGTYSVSTALGDSY
ANAIVLHNGIRSGEDGAHAIVPAAKGDMV VAPERIATIGSDGTITYQEIDRNSNSNSX
>comp16632_c0_seq1; 147 190 564 LEN=805; translated
MSAYTKIPPVHVLRSILRRLKVDPT ELTAAQREARRGSQSATAAHVLD RYRAHATTQDGG
SSSSNAELSKLAYEYMLVLRDIAERRRLQKLD TGAENQLSPKEMSRAAARAGLELPSLN
PDLN
>comp16633_c0_seq1; 156 438 1088 LEN=1180; minus strand; translated
MANPPSPDLLR KIAKGFCPPCFLSFEMP NYVIRIAGLLV PFFDSSMPAGLLVGVAEGS
VSVSVSSVPVDAGAALGGPVPGGP ARFFPGSGSARERPPPAVPPFRSEPLGVARRDRRWA
HKGEGIDQETAIRAPTGTGGPEGSP IRGGQEEEREPTQAAGTASGADHSSLVAQPDRCP
SVPFLRACVCVFRASQSSGGSATDGS DRPQCFVSF
>comp16634_c0_seq1; 18 1 705 LEN=1362; translated
SWETKLR IYCDIQPTSCTLHYLQVQKSAVDTDQFTPMAYRSMQHLTRRGFGLTAGS FRAV
TKAPVGNVAAAAPHAVGFSENRTGHSSPLRSYSSTR TTSKREYKPNPLDAFRDPVDRS
TRMEQTVGRQWSAKELRRKSYEDLHRLWYVLYKEKNMLL TEQQLSRRRQLIFPQPERFKK
VQKSMGAIRQVLGERKRETVAAHLARHEEKELAKQMTDEL DGQDTYEAI DETSK

>comp16635_c0_seq1; 111 1 375 LEN=375; translated
QKAVGRRREKSTALRYSTARVAIAAATEIEIEIETTPYEKSRQLHAVPRRRETAREHTQ
PANRQDRHAEAPQEETNMSPSESSSSGIAGRCVPDHESTRSLWGLLGGGKKDHGKLP SGAA
TTTAA

>comp16636_c0_seq1; 384 101 1668 LEN=1815; translated
MNLTRQHRQNRPNKNEHKNDLNVWNGTALLVADCLGTGLLALPHDVKVLGTTFFGLSFLIA
NLPIN YFAGVILSYSAEKVEQNCSDSTSSDDSIGDQQTAMKAT IETALTTASEHDNYRTL
ETSIDEDREQQYNIKCETPGDVATFDFVGMASAI FNDPGTTRLVMLLYVNI FLVLGNYI
LVM SHA VIALFDSSGGNGGGVLS CVPIAGLFASTLMFAVCQLSTMANLGRTASNVSLSALG
VVL LQCLYFSRTNTNANDGSDNFEGNAVGLRLLLRQMSACGSIGFAVGSQKLF LNIRHEF
ANRSDAPKSLGMALATFGSVYVFIVLAAGENPPGDALRRDSPRNHPPTGSGPVFVDP CRG
QLRHQQPGHMRVDGPQFLRWLGTGPDLVGPAPMDGPDGLYGVFGIFRCQRRAFFQRFPGGL
LRCPNVRPADLVAAGRLLSARLRERSGLASPTGLGSFGCLSEL CIVCIAGVFESLHGAGD
TRFRVLHLVGLGASNGRIFFVPVIGSIDPSPTDDGGLEPCVV

>comp16639_c0_seq1; 350 1 897 LEN=1234; translated
LVSFLVVPTRFSEYCCEDHLVYYRFLGRVMGKAMFDRQLVKGHMVKHL YKHILGWPIYFK
DLESVDEEYNNLKLQ LQSMHERGEDISVLCLDFTVTTEM MGVRKEVELVKDGASIDVTND
NFPEYVEACLKYKLMGSKVPQLNELLLGFFDVIPEPLLTIFDYQELELIMCGLPHIDLDD
WKAHTEYSGEYEDLGIHHPVRWFVWETLEEFNDEM RARLLLLFVTGTSGVPSRGGFV LQSN
DGNIRNFTIHGVS AEICFY PRAHTCFNRIDLPLYDTKEELQGR LKLAVTMSATGFDIE

>comp16640_c0_seq1; 369 144 1043 LEN=1474; translated
MATVVTGGARSTRRTLVS AVRRRPLWRAVAGGGSSVPTAEAPPLAGPFAQVSVAVARQK
ATAAAAAATTGGADPSTAGGRWPQLPSSGWGTRAKAFLAAAVLVGNTLLTGCEPRQQSCE
REPGLRDSAGGCFPFYSCLLEQARVVRYSEERDSATITSSSGRNKPTGLAGLACVHCCG
CPGAGGGTQNEDESFVGA AIFPQDRRTLAREVTTDFYHLLGCEKCP PETKDDLRRTF A
EQQLLQSQRSLPHIEKSN ESTAGTTRTTKTNPFGEPISKQERLFFKDVWYSMGHKDMKQ

>comp16643_c0_seq1; 208 215 1231 LEN=1508; translated
MMKFKRRAISIVAFVVLNACL LPSFYKTVALSWTPPTNDLDVSPKSRGRMGRDFASAGI
FGSVGLVTPFVLP SNIPPANAAPLSLAQKLSLRDPSAL TNSIFNI PPSTQSYPPFMRGAW
NVTLQYSGYIFPSQKIPRSRLT TNAQVPGFQKCSIAALS DVGKEVVFHFNIDESTGLED
RSTSLTTSINDHLGYS AVKEVLYNPKTNANRLSVV FYEYKT TNAERIELFCNGRESELIP
APPPPQEGGENARGQIFV CSEYVRQVTFSGGSQVGI PRQVGTNYAHFWTWKEVPGSNDRV
MTGNLLTAAYLDPQDSMF FEEPSKPVAVF SHLIKA EKL

>comp16644_c0_seq1; 167 1 566 LEN=648; translated
XHRFSIAPKGT E IYFDWINGNKRHSIVMSNSSYKASSPSYGNSSGDSGLGLLLGESLPDT
IKIEHVFTLKFSDKWRPLR KWIEKVVDGWLKLSPHYAESFRFIATGIGSYFFLLGVSRV
VAASKMPRGSGRSNE DATTAKKNKTKPKDKKNKAKESKT TATAKKESTPDSVLPKSDA
SVTASTSD

>comp16645_c0_seq1; 183 1 543 LEN=963; translated
XNNNNNKASDS DHGETRGIRWETLSRSGTTASYAWLLLLLFSVLGAVVSQSALGAAASAPR
PHEEASFSPPSLRAGTRRMAEVARGLASEANATVVP AEAAEAAENDDDDNNDGLGAAPLIP
KGNSEIDGATHPVEQFQ QEDEGSATQRRATKSHSSPLERKFANRRMCASSTETHSDEGT
L

>comp16646_c0_seq1; 198 191 523 LEN=848; translated
MVSGDQRAGIGGILVNDINGLCLISKGKMSSENTPDAVTS DNHDDIDSGVYTS LTRLASS
LTPCQAASTNNENPPSPLITIEMDGPSSII IKEYDGHTVALRVPNQTAKN

>comp16648_c0_seq1; 508 92 898 LEN=1236; translated
MSSNPFAALDDSDDEGPPKAKAPKKSNAQKVV PASKPDPKSKPKNNDRNTKHGRGRPPV
RDGKRAYDRRSGTGRGKEIKKGGGGARNWGENEAKAEAKAEGRINENE EVAPATDGNESPD
VPSE EVEPEKEDNTMTYADY MASKGKKEEVALREVKNDFAGMAACAKGEEESFLEMGGGK
KKKERKKKEVDKKTVDVGFVAKANS DGGRGDRRDGRGRGAGRGDRRDGRGRGRGKGGR
GAGRGAKAGGNKKPQGLNVQDEGAFFPSL

>comp16649_c0_seq1; 221 178 813 LEN=1053; translated
MTASEISSIVVTVGVCQLI IELLSNYLVYQNDPYQRSLRTMDRFKTKL DKADADLKKSEK
HRKKYDRAKADYSTACADVARRHFAPNMLSSIFFI ILLRILGTEHKGVMGVLPFVYDF
VSRMTCRGLDWRELLATEALADATSMHPKQAFSFFFVYVLTGLAVKYYINLLFGTKPPSG
ADGGITTVMDSPLGQNVMRSMGVNPD DLKMD

>comp16650_c0_seq1; 238 547 1500 LEN=1725; translated
MCKTVREQSQTQAASLLQGNIFVVGDSVLHWHMNAVLLDAYSKSPNLFNPNTSSWSKFY
SAPGTGYEVDKRGFCGFPFEYLDMSIWP SAPKFTTARYPNYLCPRSNARKMAKCCPDNK

PISRTGAI SAKLNETKPDIV IAGLGVHYDTPDFQEANSEMLMALSQYSALNPDSLVLVFS
EALPQHFDNPSGDSYDRFIEAGMPSAFTCVPLNVSLVKKNLLLGDNMTSIGIYNFNEIS
RQAVEQTPGVQWLPKNSHAYATRSDGHEGAHQCCA KHADCTHYCYAPNLYKPAIESFYIA
IESWYRDGSGNGTSILR

>comp16651_c0_seq1; 358 1 1548 LEN=1757; translated
DDDDDDDDTTYERGGFCFTAWRFLANACCGVLCGYHLQLCGTCATAQESRHLRDVLPFGMR
PGLWQRDYLTMQPWNEYYP SILRLRFPDPPRGEQQQPHQPQTHCLAHFGALSTLSRRILL
SVVAFLLFVTGMFLLPVRFPKWEVLILYATLLQPVVFLIFVHWWNRDLSLDAVVKYFA
SGFFICTGCALVYEFVVSQVGQKVL LLLALVFSEGFELFGHIPANGTPSAHSSYFDRPLW
YQVAMASLTALINSLFVAAMTEEICKYLCYWMVEHPDLELRNKVILSPTLVLSAEKESAS
ETDGDVDIDTETTGLLSQYRVESDPEEQFAFAPRASLASIGEAITVAMITVALGFACAE
NLLYVFVYTPMGFGAQISTFYVRCLFP IHPMAAALQSIGVCRRDLEKDASYGIGWIVFPA
WLLHGSFDASLMTYSAIKKILDRHNLVVQDHGFPTAPPGIEPGGGETLDADEGVPPFLMYV
MAIPFVAMVYFLNESFYQRERLEQMDHENRRRVAT

>comp16653_c0_seq1; 268 69 790 LEN=790; translated
MACHAKRKHHPWKQAFFEDKDENKRPRQLEGKIVHSWSNWADAYGDEGANLSNITKAAPNP
THENQYPAFSGMISDITGNLTSNSDINS DITINSNNDNDTTPVMIMALPVLFCLFCALC
CSGRGAGARYHRGEQIREQAERI WAAERRRAKRQEC SHTERLAAIHRRLSTMTVVGKQKR
KAQAQGGGERGGKVAYVVC ELGVLESSVGTDCSREGSRGSASIVTSNNESTPTSTPTPTPT
X

>comp16654_c0_seq1; 302 1 1056 LEN=1375; translated
XEINVNIGFDDNKHPFIMLYRLVIPSDLSDFLVIALAATSSLLAMMSIALSPWIIYATRS
SDQESFLKPSCKQPAIPKNSLDTGNREDRVL CAGQVDDGNKIESNETISCVERKIHQIP
MPRDAIYKEEELRLPTSLFR TTSSTSNKTD RSISPVP TTVSATEAPHVVTPKPYPLATNV
IFREATLSIETSRLKRVSHDISYCPESDDGCINRKGSSSD LQPKRKKLESPTS NKS LK
LKSLRSKSSKLSKSPRSNKKKVLSDRRFRMAKEKAQKKKMKKNPSTKNWMDMYKQLATF
KEQNNGSIVVPWSNNDADLQQ LGYWIRDQKRKLRTNKL SKNHADLLQSIGMV

>comp16655_c0_seq1; 321 1 1353 LEN=2228; translated
QQQQEEIYLFSLNWI KENDPEYFRKKDVRRLWEWKDTALGDGRDFVVPKPKTLMALQKYL
LDNIPNLTECSII SNCARLEVLC CYTHPVRANNINEKKKRNI VGDEELRLLARGISNCFV
TQLNSYQNI SKNANALTKVMMQLP INADRPESLLTKVPPTIDHLEPLSYD SWWDVTVGT
ETILTRLCKV SAGMHRPRR PDRSVVFRPFSSRDAHVLLQLKRTRENISFCSDSITGRNS
GSCMNKGGNNSTTIQQORRKRKVLPTILDCALRAGKAARNPAIVPEIEELREL TSAESSA
CSPSDLQISQRVANA ALEKGI LPLVKDCALKLHKSTQSIDQQVTEFRRS AFELLLLEVEGE
KSGNSIVGGNND SVNEENIDRELRSWLNRR LHEPTVNLRSRLQQHINNEAYDNAELSYMN
ESLDQILTELHKEHRLQQGNKKEIRSVIP

>comp16656_c0_seq1; 356 65 754 LEN=1215; translated
MTSTNALDPSSVAEEGEAGEATLLVSEFP PPFYYTEASTLTPPEIPKEALERGTRKAAS
AAAAARAKAEQQLADQ TGDV LGGVLAGNAANELEQEEEGDVVAVFGEVVEDPLLFQPLD
PCEDPLVIRDEVKRLNREVV RGF INLVNDLVNRP AENKKRRDELEHNVFLMLEETNKFRE
HQSRELLIEILEKQNEEREKLIQE LEAKILQSDKLLAEDPSNTIIMDAL

>comp16657_c0_seq1; 255 321 1085 LEN=1217; translated
MSLSAPLFAILINLLSP ILLGLCLTTLRLACTELMRPGNRVGGTVSSVELTSIKLIVSSL
VALILACMMERGETRDSWWIAFINLEESTRLGVI GGSMLIAVFQVNCTFLTFLTS AVAV
GLVGQVKIIPQWIVATVFAKKT VGFKVHEMNMI GAFLIMVSAGAFVYNYIRT PFPKVKL
HYYDEESGNSKQEK TASEEKPL LLLLRDADDWGASFM RKNYDSVRGETVEEIIIGCGTTPV
EQNVPILT SKRQQ

>comp16658_c0_seq1; 245 558 1472 LEN=2096; translated
MVTKR TVYAGTCFRDNLVCGVVQE QDFCDDGTWAPPHV VADMGHPNRI CAYYPDRMVIG
RCDGEGGGSGGCWCSNLASRCGD PESFVAR DPTCRVTHDERSGVPTTYGRCGETRCVWSPE
DCSEGEDYTPNDTGCTADRVELGACL DGFYCTVSPKTCANVDGSNTTEPYT THEEFLDK
FDTNCYLGDVPKAPPPVAPAAPPPGPAAPATPSSNSNSNTHVAALQPPLSRNAVVGIVG
IALVIGVVLGYWAARHRLRACRDP PPDYGGREGETPKDPPPATIAVGGTEHGVD DCE
LSVC

>comp16659_c0_seq1; 422 1 835 LEN=1132; translated
NSNSNSNTDNNNSNETSPWNSSCVILADVLAHPSSAFTTTGIALPAGKTSPQALQALRGH
AERDQHGGQEQEQQRPPATTLGQTARLFGTALLSASLVFGSALTTAPEAASAMESKVI G
QLKGSGLVFKDTLSIERFEDEPKVKG VVLYISNFDRPVTEKLSKGNFFNDPSYASVACART
GQKVAIASNINKTPQGEVFEESR SLLFKTLRVQRVYDEETKTAVYVSYNTRLDKSDDSN
KSRFKSSLCAVNLEDTVAPPVAAAAAASAPAAVAP

>comp16660_c0_seq1; 320 88 513 LEN=553; translated
MSDTEEAPAVEEVAEMSVLDALREVLEKAMIHGGLKKGLHECAKALDRRTARLCCCLAKDC
ENDEYKLIKGLCSEGEVHVVMVESGKDLGAWCGLAKLDDDDGSIKKAVRTSCAVITDFGE
ETRALSVLLDYLQKQADGAEI

>comp16662_c0_seq1; 499 108 1625 LEN=1746; translated
MTDTGAQHS�RRRNHHSSKGGHEPPGQAFPFKKNETSASFRRRSVRCVGLVTASLLFVFW
GLLKFRRQNTERKFVAIHIGPIKTATTTIQMDSGRNENFTRALEKDGALYVGKYSQVQFE
FEQGILCSERVIMDGEIPPRFRKKTMSAGDLTFHDLTFEDQEEIIREGCWGDKKGIIEK
SLVFSNEFYSLTTDDFVEDTVPLYQQLFIDYLGDEIIVAAAYRRYGEWLSSAYKQRAKQ
SCLFHADDMPNVWEYAQTYIQSPGYGTAFQYNLDTLLPYLKSSARTAATTTTTTAVPAS
FDTSLYTNTIFRNFDPKSKIKFDVLNYFQLPREKHYSITTELYCKSLGEGRTKNTCRY
SRDERSEAEVNTVKNRGSSEIVKYHDIIVVEAMNRGWIGDVTFFLDGSVEETHNRRIREV
VDLEHFHTKELGLSATDNPLLCPSQSELQTFLSKSLEFEELIMPGLFNTKLGREEHIRS
FEKMRDCKKQFCWLDIDRLFQASSW

>comp16663_c0_seq1; 574 45 1793 LEN=2353; translated
MSKLSSTSSSSSLRMECSDVHVSQAFNAIANGSIEGRNSPRKATATPTRHDEPNKTNDFM
LMALIVITATYSLIVIFFLILQAQRHDRKNKDTFRSASTFESEQPELIDRASTNTNNAVE
HENLQLNSSSSKSKEKYIRSTAVLRYKSDTNLELCTAHSFSTSNTTNAIPIDFDKTKVV
VLEDRSMQGEDKADLKIISKILVERGCVHNTNHGQPPILCEETNNTNSSYITNFDTS
DSNSEASKFQTIKDYSTQDSNKHNSDDAANDRMKSDLGTSDPKLHQPTLDAIKHYLHS
TPGWEEFLEENPLTFYVRIHKKTIERLSKVRPRMMLSTEGDGTNSAEYNHLYNRIHS
QEEFIGVASYFFQAMMHQGVVRSSSGPRSSIKKTFQWVKNAAGMHRAHIHADDLEDEWNE
DDMKPYSGEIGVVLTKKGEIISPSRRSNRVRVMNTKKKLEKEELRSIGILTQAAKELEQE
MNVIFDNKIKRDYSKILRANTLEKQTSKIFSSKNRTQCRVEGGDKMARTLGLCFVNN
SDKQELASADCFPSRKRKRDCCAIHASVQVEVEGKTPVHKTP

>comp16665_c0_seq1; 403 122 1267 LEN=1352; translated
MVSSTKKESSVIGNDSEVEYLDYCSLSIDEIRKMAAGNDEERKRHFVPLSKVKKGDVLKV
EKMTFFAEALCVLFLAFVVPNGVFTLPPAIALIGKLVLDVKMAFKIFGMFLLPLAILPQ
EFVPTSLQSYLAIQVSKYFSFRFVVEKRPPPEPTNKNYHSGIYVAPPHGVFPYGNILSM
LGFPTMFGHHFRGLASSAALRPPIFKQVLRISGTDASRHVARSALEGGESIGISTGGVA
EIFFTNEKDECILLKERIGLIKLAIRTGADLVPCYLFGNNTLLNCWAGEGIPGATTVLEK
FSRKLGFALILIYGRFFLPPIFRKPI LAVMGKPVHHTHVKGEDPTPEQIEMIQTQLLVEV
ERIFNTYKHLHYGWDEKKIIIK

>comp16666_c0_seq1; 260 79 999 LEN=999; translated
MKLVSATLSLALLASLFTTPVLAQGEVTQAEVTEGEGLVTHEGEKPVFGESLANNLAANA
TDQVEGAESKDADTVAPVAPPFETVPTVAPVPTSAPSFKEGDAPVAFAPDTPVKQPVFMA
PVAPPPISGAGRGAKTAAALALVLAASAAAGLWGKPAVWRGAEPECNAVPCSAVQCNV
RFGEPPGRRPRGIPLERKRRPSGPCDALPSVCAVCARADGSKRRGVAVLWHSRGRRLRSPA
LLRWYQLLQHWAEKNDSSVPSLSVWVRIAGIDRAGTVTRTKSPGETEWKLAVFDTSIIC
FSNLVVE

>comp16667_c0_seq1; 702 133 1926 LEN=1992; translated
MKFSVAAVAATIFFSSASAFAPSSLKQSLSTKIFSTAEETITKGPIIVDKPTGTSFLPED
TVARCEKGNPTEKVKLAKDPINAWVDIYEYARKIREGEMTWEDVEKADLDRVVKYVGMHLH
RNKRTPGQFMRLKVPNGIVNSDLLRFYAKSVEKYGDGGVVDITTRANIQLRGVKIEDAP
DIIDGLHARNQTSFQSALDSVRNMVGSPLAGIDDDQEMVDTRELCNALNDLVSLDPVTNTR
GNPMWANLPRKFNIAISGSRDDFAHHTHINDLGLQPCPHAETGEMGFNVVLGGYMSIKRVA
ESIDSNMWIKADRNSVVTFAEAILRIFRDESERKNRQQARLMWLVEKYGPEDFKKAIIE
VESYDRGVEILDQQRPTDKFERRELLGVHPQKQDGKVRIGVLVPTGRLNPEECRQLADV
AEKYSDGEVRLTVEQNVIFPNIDESDVEEFKKEACFNDSRFKVNPGFIEGNVVSCTGAE
FCGLALIEKQHAEDISKKLESVTVDRPIRIHWTGCPNSCGVQAADIGIMGGPARKEV
DGKKMAVPGCKIFVGGRIGEDAHLAMEPVKSGIPLDEADLLPALVEILKTEFGAVEK

>comp16668_c0_seq1; 56 1 399 LEN=721; translated
IELKYYEHLIKKQMMASSTSSSYRRVPQRETNETAASEISSGGFESSAGTTTPNTRSQG
ERLEEKGVAFVWLVALVLRWTFNFPPIVWSDPRLNRTLRLVAGGGFILVLALFSYLTLY
LPKIKGLSDPSVW

>comp16672_c0_seq1; 195 545 1099 LEN=1298; translated
MSPTTEAARTLSFSSVPPYHEDGDRLSFGELKEYGQDIARSDSSKEFVAKFWRRRSNQE
ISMDLEDLLAELADESAKNRTNGTNNASCISSTLHPDELLIVAEGVRHTAERSSMISLDL
DDLFGCEEDGADRSDQNHHLNPNYGIIVSTLNLDELPAATTSCTSDCECDGGSEETKTTWGSEP
QPGS

>comp16673_c0_seq1; 424 79 876 LEN=911; translated
MSNPTDCDDSSRNIAFYSEMLERLRTEQFNLDTNKALASHPYLIAAKEGKLTLAQRRFAFA
GEQYSIQYSDACSFALLAGHENFRPKSLSVASVPPAKDDETGSDTDSLDPDIFQFLLGGEV
YASRLLLDHSKSLGFENAEESLKEYTVTAGGQAYPSYWARIALAGNRGAGAAACAVNFP
WGAMCAELHESLRCRPEYGYGKMSDEEASSALAFINFFGTPIEKLDDMAATVMMKENVSY
EDIVNEVRLQLQGYELMFWDVAVYDAK
>comp16676_c0_seq1; 567 133 1389 LEN=1389; translated
MKIIGNIAVLPLALLGFHVSAGQATFSDGMQEI SRRKFITVEYDYKLEANTSDTDLAQQY
NITQPHPLEDALTDIDSTIISSIQSALPDGDIPEGKTQPDIFQFDTVNTRFINMCFTESDA
CKWVKSRIKLSYLGDTPKNAMERLTIGLVQDFLREFSDSNPILNAMYVYPMIHSSVVQLQ
ISPVEGAMNDTEIAYFEQNFRDVFHAMVSALDGD TDVSEAYFVKQIEIEISGKEEDITTV
PSSKLSVDLKYGYKCRYCTEDELVETVDGSIEQNLD AFLKILKNNNGNSYFLQTENITVSK
QVPPSELPPMDTEKVSATSEPSRKLPWGLWLVGLTAAAIFVGI VLIIRDQRQLKKEEAS
TGDESSVYEENHEEDDVVGVYRSDTNDIENQNENDNDDDDNDENEMKNKNADADAAAAA
>comp16677_c0_seq1; 192 1 646 LEN=698; translated
XFDAHKLDISDELKGMVQLFIPHLDKIRVVLNKADSI STQQLMRVYGALMWSLKGVMNTP
EVCRVFMGSFWDAPLQNTQAEELLQRETDLLNDIMNLPQQAVMRRINELVKRARSVKVH
AYIIHYLRKQLPYTWGKKEKQKRLIARLESEFSAAARRYGLPKGDFPDLEPFRRKLLLEIK
DLSEFPKLDKLVREMDKVFSDIPLLLLEKARDHR
>comp16678_c0_seq1; 331 108 1298 LEN=1334; translated
MGKNLAFADVLVEECDDESSILLSPEQPPEKIEVMFQRGTPEAVWDSEIKPTNHEFPT
KNSALPYGALVFLDVRVPAKGIAYRVEAWKIKVNPKEGAIMTAREGRSEGVSCSIYLQK
RCEAFSKFNGEFHKLGPKKKDVRSNLEGESPLDNRNKMKASDVADF SHGTNKMKGMRAT
IFATWLVDTYGKDNLARGGGVLDVAGGKGLSIQLALQGGKI QSTVIDPLVRKHGKGFDP
GARRIKKAQAPHTLLSKEFNRTTFLEISEQEDLVKNSSMLVGLHPDEPTEDI LDMALQY
EKNVAIVPCCVFPCFFPLRHLSDGK FVRTYEDFLEYLLAKDDR LRKHTLPPFQGRNIVIM
NQNKAGSNSEISNLNSLSQCVKCTRNGQKDDDSCEQ
>comp16681_c0_seq1; 152 176 736 LEN=736; translated
MARTRTTPRGGGCGAPGARCRSSPVSFMLLLASGSALRSDPSAAAAAHRGLGTNQQHQ
IKDYTLWESARIAKTLATWGETYPGLVEVTTAQEAYGLPAAGGREDCPFYEADGCPNYFF
TIQDFVAPPPEPVLGPPPRGLLERMPKRKRAGRTDQRHGGLGAAAGGGPLRGPAAVAA
EIEETEEX
>comp16682_c0_seq1; 138 1 482 LEN=989; translated
XNTALRSIQQTTPKLCQKPTYRYGNHYPTIQSTRTEATFRWNRNRKKQNTSNSHTGKMN
FGGGEAKPAGPDPVFAAKTEMEMYTDLFNKIASTCF SKCASRKHKEPDL SLGEMTCADR
CVSKYLEGQERIGVVLOKANEEQAQQMAAQQMQQQFGR
>comp16683_c0_seq1; 278 116 565 LEN=715; translated
MIASAYFAITMMLAITSSSQGFHLPATTASRNTVGFSELSSTVAQASSNTSLQMI FGRG
NKSNEKEEYIPGKKMTVARRKKLGINDDEEYDLEMALDNSTDPLITKIIAGSFILAVI
ALLVFGLVIPATTDYGEVGNPLLTGGRC
>comp16684_c0_seq1; 255 576 1232 LEN=1777; minus strand; translated
MRCSTTILRGACLLSSGGFAAAWLAPPKAGGVPVRFGT PGVRHGAQNHVLLGSNGNGNG
GDPVLENEEPLSVIFQRGLVLQRSGLDLSGALKEYQFFV KAAEGCGVSPMF AEVHVNIGA
VYFRDASTQDLAERHFRALALEQRP IGTAFVN LALIALRKGSTAGAADPVLGRECLEEARS
CLLRAIELDSDQTTEAAKKLLEDVDAIARQMNRNSGR
>comp16686_c0_seq1; 611 153 2144 LEN=2378; translated
MRNSRSSTTTSSSSSRALSCLPRAKGLSPAFSSPFSRRRALNEADAPNQIEVIDEY
PLSKYLAMAERLFACFQQSFEHLNLDEAFVYGMRF AQLGLVELPRHGEWRAGGEREERLG
SLVEKALSRL EIIKRRMDEEELTKLRVGMVARAE EEARAREREQERERARERERPQSTPR
VPTERKEERGIGHRPRPPHEHETKSAGSKLRKFFRLPKKSGGVSAPPPAPQTVLPSLGA
IQRSRARHEWFTGPNNDNYHNHPVVVATDPSPSGLYTRYAIEEYPLVEQVTLRLHPT
TPSLNLNLERGTGPKSHEQVASKGERGETTAGCGDPSVPLISLPSPLVSSPLPPPLLP
TPPAPLPHTEDESILSETKDPCCRIADRDRADAAASNAIESCEATERQSCVPASSGEP
HAGSSTLVPQASVSPVRKTKERMLEEITARLKLTHGEDVNNYARLVEETEERTVYSA
GTGCHRVPVLPGRGCGPKATEAFARRAEETTLGARTRSSTSTSSFDADFALARRAAA
EEDDGDDEEGSYMEVTVVEEADEEKSYFEYVIEEDCGGEGYPDRSFPRERAQSTTTKAG
GTGSPSGGSPTCVASEVLVPPCTSVIPDLGSLCDTFDPPGGVSVVYLLPFGENDDATCLT
MDE
>comp16687_c0_seq1; 435 78 1049 LEN=1314; translated
MTNIRVLSITLLACVLSSIVRELESFQIRSPEQDVSNGRLSVRYTETLAMAVATSEIEEA

RNMMP EIVNRMPEPLPDNLKNRYMLRHGQSTANIAEIISSSRSLAYSEKHGLTAFGYEQ
GKESATQLLDVMDKEGAKSGEKIVFVSSPFARAKQTAEACLDGLMGNEENQERIRTMGIE
IENEISIDNRLMERYFGRLLDDDSIYTYAYVWPMDAINVTHTAFDVESVAAVCTRLLEVVK
RCEEQYDNMHIVVWVSHADV LQIGQLYAANAENVGRFSSYRFKNGEVRAVKNTPD SLPNP
PLEAPKRGT AQYSELKELPKLSQ
>comp16688_c0_seq1; 274 149 649 LEN=3479; translated
MKLVSILIASLVAAASAANESKECEVCVKVMDDIRATMSKADSRKKPMIEGAMAKYCANE
DEKLSARERKICYIIDPIRRDVAQPFSGLGMSLKVQRITKTNPEICTVKFPVKTDKMEK
KDLSKLRVKQLKKILDERGVDYSGLLEKEEFIKKIQSTEHLAGDEF
>comp16689_c0_seq1; 940 48 1925 LEN=2003; translated
MSGYYGNEEKEADYGYIFKVSGLVVAEGMSGAAMYELMRVGHQKLVGEI IKLEGDTASI
QVYEDTSGLT VGDVLRKKQPLSVELGPGIMESIFDGIQRPLESIWKESGDVYVVKGVDP
PCLSRERKRWFTTPGSIKEGQPI SGGDLVGT VYENEI IDQHKILCPPNIYGT VSKI FT TGT
DGKET FVVDVMEVYNESTNVTHKLTLSHFVPRRPRP IAEKLPGNAPLITGLRVIDAL
FPSVLGGTCAVPGAFCGKTVISQSLSKFSNSDAIIYVCGGERGNEMAEVLADFPPELTMT
VTDPDGSEREV GIMKRTALVANTS NMPVAAREASIYTGITLAEYFRDQGMNVSMMADSTS
RWAEALREISGR LGEMPADSGYPAYLGARLAAFYERAGRVKCLGSPDREGTVSVVGAVSP
PGGDFSDPVTAATLSIVQVFWGLDKKLAQRKHFP SLNWLISYSKYMQVLEPFFNGMDEQY
STLRETAMNILQ QEDNLQEI VQLVGKESLSE DQKVMEVAKLIREDFLAQNAFTEFDYTC
PLVKT VGM LKVIITFY NLSQKAIADSPADSKITYAHIRTALAPI IQKVVDTKYVMPREP
ETINATYNKIIDEMTNEFQTLTDGI
>comp16691_c0_seq1; 268 1 1223 LEN=1406; translated
XALRALGMLVFCGIDDEVVTESVLDLCEAALAAEYRGQATPPALRACAWRVWTL LATTVH
ELYVAGTDH ESTGRGLLLPVVAECLEQAGDHS LREAAGQAMAYIHDCRLRLGPGGDDGE
TGKSASQTKYELGSWEGSEWEDQVDEIGQTIYELAHASGHHVSKKKGKKEQRKVFRDYLGM
LHDNETPEVVVQFRGGSLELSTFGEICALEFVRRLQGGFQVQLLTNPTLQAVFGCDGTA
LGSSGGGYSQLEKRLLLSKTSEASKIKDLDRHKGRKKRQNVKNHFLTADGDDXLNEPTAR
DGTSGKMARKGAAERKPFRA PSPVIRSPLPGRAMCRTPGGATRCAALVPRNKTGFQQE
RAIPATARHGSTARTKRVGGRSRLQLWKAHAIRCVALAAVASRLAW
>comp16692_c0_seq1; 264 26 457 LEN=485; translated
MAPVNSVQVFGKKKTATAVAFAKQGRGLIKVNGQPIENIQPQIIAMKAFEPVLIIGQDKF
SNLDIRIRVKGGGITAQIYAIRAAIAKSIVAYHAKYVDESSKNELRKTILDYDRSLLVSD
PRRCEPKKYGGRSARARFQKSYR
>comp16693_c0_seq1; 233 313 795 LEN=864; translated
MVGAGLVGYGVALAATPVDELSEVGDEDEKETHTPDDSGRMAQKTEVGGSGSNGNYPST
ILVRKYVKIAVTIGFGLFLSLPSLMSQIVWETMIPGITATDIVYDVSTENVRGMIPKWE
IIKKPTLPGLGLIGGKEGRGGQMKTITTTIDSSRNEGSL
>comp16694_c0_seq1; 194 205 993 LEN=1113; translated
MPPAPGQEEPVKRITKIVNSLLANEDCAPFREPV DWRGLELFDYPQVIETMMDLGTIKRR
LERGHYSTAHQVAEDIRLVWRNCMTYNADGSDFWLLAKSYARRFEDRYRKIRQ EYDVGET
LDGGDAGGASGGGHP SKASRSRSGSGHASSSPSAPGASAPPPALDARARFGSNLFLLG
GTELGHVLAACELECEPEALETCGNDRYKIEINVD AIP TDVFATLNTYVGVQKVGSGGVGAA
SPGSGEAGGSGSGGRNRKKQRK
>comp16695_c0_seq1; 406 36 989 LEN=1153; translated
MTVVPSTVSSTPPLANYGILTGQLFLYAGGRAAFESASASGVGSELPPRKKCILLGGLSD
GLLPVPYTGILEKACHENDWSLVQPVLSSSYLGFHGSLDRDCSEIEELMKYLCEYRNAE
EFALVGHSTGCQDAVHFLQHAGPEFRKKTSLVALQAPVSDREGTELEEGFPEKLQEAQKM
VSEGRGDEMLPRSFHWAPVTAQRVYDLHSRGGRRDDFFSSDYTDAELEARLSYVGGDPSQH
PGLRVLVAFSGADEYVPEHVDRPKLTERLVVAMNAKSNGRAVAESLYLETGNHNLSEGPV
DAAAFVQRLSELFRGTE
>comp16696_c0_seq1; 193 189 692 LEN=823; translated
MADGRGSSGYKYGSVDNDEEAGVDEKDKSFDESNLYFYKEEDLTRQEKISKFVKLFVPI
ILAVSMVGGLAYILFHDFGLYPGPGEKSHSAGRVSQPTT VTSDDYTPNIANMSSSSNSS
HGSSIPVISQTKTSSGNSCEANPGCAALGLTGNCPTSEGIKLGCC
>comp16697_c0_seq1; 435 222 1254 LEN=1270; translated
MASTPHEIENDNPETALRKT LASLDAQRTAIQEEADAI IAE LTT PPREGVEPMGLDTPLV
DQEGYPRGIDIVYRARSQRNRFRVLKTDHKELEGKVEALLVRLANLKN SNPTETKAGSDE
IARRRAPKPKPKYDAVTGKVV MNWDG SVAGIKDGDKLNFHDLSEN RGTQQQTSQSSVPS
NPSERSASSVAATS RPPPPREVRP FARVDGVAVDSPASSAGMKVGD LVTRFGPLHVDNH
DRLRALAKLVPEVANERGTIRLLVLRRTGGNDNNGDNYS DERQWKSLELMLRPMPFRAG

GCLDATSFVLDLDRSTTGERNIRHSKVVSAPCAKISTKQWLR
>comp16698_c0_seq1; 269 74 558 LEN=558; translated
MVLPRLFRETALWAALLVAFSSRAPVSPSHPPHWCSSFVLPCCLSLSFEGRPPPSSQRKV
EQRIRQVRLPGIWLKTTASLPYELDIRSKLDKRFSTESGTNDESGDAILLKLNDGTFKQ
CNEGYREGRWVTGRWKAQVVEKEDGNTPPDDNSSSSSSKSKSNX
>comp16699_c0_seq1; 195 1 319 LEN=319; translated
XXXXXXXXXTPPSTDSEKQDNDVVFVNSPAPKEIIDAIKPQVIPPLSSPLLDEQKEDKDV
NPNEIIGVDEVDLRTADVREGADNDLVNKGDKEDKDDKADKKDKDDKX
>comp16700_c0_seq1; 54 1 499 LEN=499; translated
XKKETKRQAVRVMGTGFRGTFVISWSQTELDGMSTAPVQSLSVGQTWSWRGDAVRVDGPN
QLLRLEGANGETVNRKRAARMVRRLVGAAMNNTRELIPAEMEEPLMDLGFVVTDGTRS
VTIIEVGSEAAPLLMFHDEIPPRGREMWIVHHSLEGMRGASTGPASG
>comp16701_c0_seq1; 172 1 843 LEN=1052; translated
XVGRITTGWEIQQLVEPFGEESLRESWESNVPECCGRCALHPPQPHLFYGSADDP
GTAPHVFRSPVLMQPLCIRGGVLQDTGRVEKERISEVLGFLSDAAARFVDRFFNWF
YNILALFYTERNWAYLAVGGCAILLFSLNLFVFGITIPVQVFFKFTKKLMEYDGL
DTRKSAVHDLRAAAAELTNETRFDETFMAFLFEERNVERRHTMDFASLSR
SAALVAATGSSSRNRLQRQSMIAWRHLPSKQQRAAVQAKAETGKMD
>comp16705_c0_seq1; 460 192 1760 LEN=2029; translated
MTNGSLFSAALKVVVLAIAIMEAEADESRTIQTSKLQVQFPLSLKKNGGYD
HREAMFGMPPYGGSIEQNVYADADLCSNTDYSRGGFPTRESGEDGIMKQWKAP
FILMVDRGDCTFVMKARNAQKLGAAAMLIADSTCLCSAQDKCVSEGDYCESKEP
IMADDGSGSDVTIPSFMYKQDADPLKEVMKNEAVRMTMSWALPRPDSRVEF
SMWTTPTDEVSLPFQKEFRHVARALGDAQFTPHMYIYDGIYAGCVSPTGEN
QCYTMTNNGRYCATDPDDNLDEGISGADVVEESLRRKCIWNTYGGDVGMP
WWDYVNEFLYRCNSPDYFSSIECVKDCMDRSSVDFDRIQACMDDSGGL
ENDDQNELLDDELLARESSGVVIPSFFVNAPLRGAPKTAEIFEAICAGYAL
GYEPQACKKCKSCDDISRCVSVGHCPGDVDSFDTVSFGTFIGTLVVTVIC
FGILGVIQWQRSQRQMRSQVRGIMAEYMPIDGKNNVETVGI PMDDEDDL
NVEIS
>comp16707_c0_seq1; 414 325 1641 LEN=1801; translated
MTVPYQEEITDYLASVGRNTDIPSQEEIIGHITTISSRAFHEAVPLFCAAYS
SWISAKMASLSLAAPSWLSTLLDDFFSFTIGDRFDSNKEINTAIVLLLAWS
YYKTFRTLFLGIRFIWRTMLWIYVVRLLVANIYGVFFSAAQFFSASIFGKK
QGHEYNDGNDQRLRSAAVPPKNHGTNENPHSMQSLHQHRQLQKPD
DVPQQRNAASANMALPLMAHLEQPITVTSPALSRQHPQTERAPSMVIPH
MEQKQSTLIAPPPGVVRCNNSPVPASSFAPIAFPVAPIASF
LNRQVYPHSSIVANSVTNLNPQPQAPIFVPTS
SNAPVATNIKEEERDLRVQSDSEDDHDGDWNEQNC
LRVMHSVNAATKSNEHKTLTNHTNMKAKPMIQK
SCKRKREATELAAKRTNASTTQOSKKQRIARARANA
KKWANETFAD
>comp16708_c0_seq1; 346 1 708 LEN=1809; minus strand; translated
EKSTPSFGEAKTKMPFPKPKASFGGNTKSPKFGKVDNGDAEKSTPSFGQSKAK
MPFPKASFESSAKIPNVGKVDSSKERASTERSSTKSFSPKPSARPISGDDRESS
RESTFLTEENQKSFFPKTLSTKSEESMYRVEPRTGTVEQKSESSQEEEEESAY
FTDKTKEGSFFPQPQSSPLQSQLRKDDSKPRIQPIEETALGETDGLYGKTP
DELMAEVMRIAREQEEREARE
>comp16710_c0_seq1; 137 1 443 LEN=717; translated
XKGSKGGYSSGCDVVCDDHKPSYSPSYGKIKGADYYTGYGGKGSKGGKGS
KGGKGSKGGYSSPSYKPSYPSYPSKCDSSPYCYGNCCQPEICYEVCYSGGK
GGKGFYGGKGGKSGYYSSGCDYVCEAPSYGYPYPPKPFY
>comp16712_c0_seq1; 384 98 916 LEN=999; translated
MYSFLFAAGVLLALLSDRGHGFSPFPVSSSLRKSLSVSSPTSLNLF
TDMGDALHDMGDALTGGKLVPQTEPLVYGTPLGGDDLSEELRTLAVQERL
VSFTGEDFDIQDLIDINEPYCKVRGAMLHLP
GKDKMRISLGGEQVAILDRKLI
AITPTYDILRADGEKIGWIEKATIALTDTFEF
HAECAPHF
GPIKPPAAYRLEGF
LDRRFV
MKNDKGEAVAKITMDRLIEFD
AWDHYQIRIAPGMDP
VLVVACACAIDEEFDEEHKKREAEGR
>comp16714_c0_seq1; 578 75 1250 LEN=1361; translated
MFSSSFLRSGARVASRAGRFFESTAAKAAEPAAAPKEAASGGGFAMPLALMSL
GGAAVYLD
SQSKMDAMA
AKVDSLQVELSGKTNSAFVFIKPHACKGKPGSVESVVEGKFKDSGIRVT
DKGEYTA
EIEIDKNMFIDNHYGAIASKAVK
LKPSELNVPEKGGKQFEGAFGESWDSVIAAGKVYNAK
DAAEKLGLDAAGINSEWSK
LTRGKDLIKFGGGFYCGKVKDIYVMNGFYMSMRAAYC
NPGEKI
QWYTVSWPSDALSWEDFRGSV
LGATDPSEAPKGSIRRTILDEYRKLGLASKPNTGDN
GVHASASPF
EALAERN
NWLGKSI
EEDSYGKGLLAAGVPMEVIEKWSGDCQVSV
EGETKEGKTMSVFD
TLEDLDA
DAVLAKVSKISK

>comp16715_c0_seq1; 185 305 460 LEN=793; translated
MTLSLKERPPPPTAEELAAKKRNFNLWFWGGGFVAPFLATFYFYGFKFWER
>comp16716_c0_seq1; 234 1 618 LEN=806; translated
QERQSTMKTSILLASMLVVSASAFTAPSTKSSSSALSANADDFGAMAPLGYFDPLGLVKE
GDQEYMDHLREVEIRHGRCAMLAVVWGLVTASGARLPGMEAMPNGFKALTEIQDLPAEVR
GTIPLTLGTVWALTFFAMQDLTGSSEFPDGRNGFIDLGWDKYSDEWKTCKRTIELNNGRA
AQMGLGIMVHEQLGNLNDIGLPQP
>comp16717_c0_seq1; 305 1 1437 LEN=1509; translated
KKIRKQIKQTDTAFRQNELLAATRPRTRKRNITSQSDPSTTAPEPPTGEAFSWFGSLRRT
IRRAGKPTMLRPRQPPPGTDASASPTLVIFRLFVLALFCTPGSGFVTPDGREGFSNTETG
ASLQSQRVLPLSLPSHTGSGRTLGNLTLACQLLGMNCATPTDFTFSLKGFCKRGGETDIH
SDGWGVAFYEGKQIRQFHSSPACSSPMANFLESNPIRTYNMMSHLRYATVGEVELSNVH
PFCREMWGINFAFAMNGDIPMFKKDPKSKLRALMDPGDLPSDQSYNAVGNLTDSEAAFC
AILNALRVKQQLPSLPLVKDAINELCEEIITEDPKATIMNFLTTCGPDTLWVYVSWPGSR
PGSKVWNGLHYTTTRAHPFTTSRLRDVDYEIDFASTNKAGDCVSVIATKPLTHDEHWIEIG
RGELIVFDQGRPHVTPESLFEIIELLGHGLKSSVIERPVLEEDMREFDLDPESFQGSFI
>comp16718_c0_seq1; 397 77 1294 LEN=1450; translated
MASRVLVVGSGCIGLRTALELTRKRVSVVLRSPVHPLDKSNCSQGAGGLWMPYICEDPRV
DQWGFETLDEIYPLAEDAENSLVDLRHVLALKKRHEGPSTEDMVADNYHKGTTGGRSLLPS
WSSDARFKFQNVTLQVQWQNIHKLRLPSLAKAQEAGYNHAWFFQTPVVDPCPKMMEHFL
DELTGSNISKSAGKADINVTGIYYQSKAELFEEAKNFGCDAIVNCTGMGASELCKDVEL
VGARGILMNYDRESCKRLEHKDDDDGTISAGVNDQLHDACIFADEAPWGTPEYPSYMIVRG
DDIVVGGTCVKGDTETKIRPQERTRLFETARLLGIDTNACQPKEEWVGFPRPYRQEIRCEI
DDEKSMSTNDTENDDRIRLVHCYGTGGSGWTIYTGLAKEAARLAMQ
>comp16720_c0_seq1; 183 129 761 LEN=761; translated
MNREPCRKACHALARALGNQRPPKGGPLGGNKCPGVSARHQNRAGVSTVAENQIAQWLKE
GGEDALGNKGGKLVVDRHRDASAGMAVNQHDVVHISKILADNNIRPESIERLEMDRDWEK
LKARIRDAWEHRGKTTRHGDNDQARLSIHEFSESEETARELFSSEVVKRLDLQAKRVNE
AAISDSLRFNGRSPVRHAKPFVLEDRIVMAL
>comp16721_c0_seq1; 286 1 1056 LEN=1202; translated
RKTERKESPLLGTQRTTKHRKTPVTRTTSMHGGPFVRTASVAAAAAGLLGFPGCAAWVAP
KPKHPRMAAAPGMISEQQLGYFEALETEAPPCCERRVALLDYTAGEDDDPVGFETAWGYQK
EILCDQIDRLAEGGETGSSFLPADPGNGTAPGRRGDTVLMQLHRPVYTLGTGSDEAFVKQ
ASSSSSSTPDPVPVVRMDRGGEVTYHGPQITVYPIILDLSYRMDIHWYMRALLEEAVIL
AISRCGSLTAEREQVTVWIEDHKVAAVGIKRRWITQHGLAVNVGEESSLNFGGIVP
CGLEGRRVGCLNGFLTARGEETITVGAFAAGLLGEALEEVFRIELVDQPLMR
>comp16722_c0_seq1; 445 104 1492 LEN=1741; translated
MIVFPENTDYSSPNRWSNESPSTKLYNKNPQIGGDYIQELHHRTNLVQRTPFEGHAGGFF
TMEKEAPLESVHGDSPVCVKDKRFEHEPLHYEDPCEDAGGVAIDLCLPEDDLDISRHS
TDDLGLLIGLELESQDEQAQDPKLQEEPQHHSRLSKQPLAPILERRVTFAAKHVVLRLDD
HDGVDDLTCGIDQRYVHVQVFDVAVQVWFIPHHTDYSPEEKRNIIHSAEEMSSMKEDAIRAK
LTSQRSSRNNTDSKKMPTSEKCSLFSPPVVGKQSRSLPSIDYFGSKLQKQETPSEDNLSS
RRCRYEEMMDAVLLEQYEQKLMCFRVYGRVEGSGILDPLDRLAMVYSITGDTQKAHERAVA
KAERHLRDLDERCDESSVSTSTSSSSTMENDSLASKPLKTTGSGANLKRTPSFSDK
MALETSYCLDKSVSSLFEFLLPFLEIRSGDLFLGIGEEMSI
>comp16724_c0_seq1; 210 128 742 LEN=926; translated
MSKQELQRRAFEASGVSYEESLAKATKLIPSLYERLGRESGMEELSTLFYDRVFDDETENDW
FLSIFASSTKAEADIDNQRFFVQTFGGPDLYRQKGGKGYTRLAGRHANYPI SHEAADLWV
KHMEDAINEHKYLETTSNPCKYQONQNSVSEQHYNNIDMIETKEAMRAYFRYTAHYI
VVASEYMRDDQLSGGTKIDGRVW
>comp16725_c0_seq1; 291 140 754 LEN=1222; minus strand; translated
MQMDETAGECLVVESESEGSVIAVYVNDKDDNCSKYAPLIDKYNFKNTCDNDVDDDCQAGE
SYFGTVVDFLQILMEIQPFAECEAQRFCGDLKEYRKDLSSSFQYLPIGSDTLGWEKPE
PEQFSLSLVNGTCSMTGVPDGMGGSTSGESDHASEEMSTADHEADKATDKEMSDGISGA
GLAAPSLFLSLLSFFVLFLSAVVV
>comp16727_c0_seq1; 309 40 837 LEN=888; translated
MTTPRKQTNQFRLTGNALFLFAAVMLLALPELLPLPTIVQGFAAKNRRKGGRSKGRREGA
SFGGFGKPPPTLDEVLDKINTKNNRLPKDADAEPCCGSGSTHGECGPLLVGSNHGGC
LTPLQVLQSRYAFQYRNVGHVIRTTHEECRDYCEDKVAWAKDLKKEGMFDSFEFVGLIEI
VGDGIDESEKDEDEAFLEFKVRLKGRSLEEAPVRSRSVSSVEGEETVVAERSRFLRDPDS

GVWKYAGGDVRSTVKGLEDTTLNA

>comp16730_c0_seq1; 794 1 2360 LEN=2490; translated

XALGFAHGSSELVDYQIRSTVLNLGRPLVAACLRAACLEGDYRAGLAILADEGILVAPGSS
HPEEEWQWGGARDRMDPLCRDLAIQVLGGAAEGGTDDQFGEQGGPPDEHPWHGSRLALELFL
RQSREEGVTTISREALVGVQAACERDQNRWGFVSLRRTVLDEEEAHAHAAKSRSPDSNNQES
HPAPWLVPGSWLKITERDQLADSSIEPSHLPSLGSFLASVMRNCNRSSNFGMALFALELFL
RIQLLQSNVGASAEPSTGKKAASDTKGNDSLSP EEGIRHVLFELSRANPNGNDAEHEIMI
AGMVALCGLRCHKHAMQLYETTTEEWLSGSEGDREENASAAAVYGYASMHQERSGTPTAE
LVPWGAAQNHLDDLAAAGLVKTIIRDAGDSGGLVVGQRRQMEIILARAMNSCTAGHQ
ELSLYLLEWMEECVSEPPQHQAFLYPMGAETDLFDRVGSYQDSVTAEAIIVARRYTREY
DAAIELEFTEATLEKHTDDDLRWGKTVSAGLAAMVAGGRGDDALQVFGALDVGVRNECYN
TVGRYLSRVKDWQQLIDLIGEATAEGCSSEELAMLAMLAVTSTRVENRLRALRAIVNDCA
SIAGVDPKQWMTNYWSLKKSLGFYHARLLMWWNDEDRAPLDEVNLAIKEFYRQKSKGTK
PENDVLRRAIVSGAGRHDSLGLDHTDGYEQVPRSEEAWRFLLSDVRRSTRDSPIRYDPTFI
DALVEAYKSLGNSKDCVNYVSGLLNAGGTRLRQTTLLENAMAEARLEQADGLYNDVRMLLS
EGTEHS

>comp16731_c0_seq1; 304 1 1638 LEN=1935; translated

XPPSQKDSIASSVSGIHCTRDSIMGSLRELWSENQQGRLRLKRAKSLATTTPLRLRSFI
TIIIFALLFLRVEVDATRKSHFGFAPKTRLTWVNGIGYNSHMEKEAPIISQYFGGKKEVF
YHNPTQMVDEQDTRGYFSDLTQAGQKYLGRITEEVNGLVKHLKEAVRSVEGKRGGTVVH
IAHSQGALVTWLAQQLTPELMNHIEVICFGGATPVRSTPGTFFRRCVNYYSVNDPLLFV
NPSAETALRSGFIRYQSNYNTNEMEDEFCEFLAPRVGDIADHMLLGPTYASALEWEGRRF
ERRYQSYMERIVRHTLLTSMIAIVQTIQLQFIVVCQAFKNLVKWKTFRRSVVRVICALAIV
AIGSWTVAFKALLARIAAAISGLIAQTAKSSPATTEGSM LGSPAETPLPIDSSNVSSD
EKISGEKRAASLLRFIRLTPTKGSVLESPPENSAFVDSTTVVTPEEEALGMKXNDFVFAF
LATGASYGFCTLDEFFARENRRQRSMNTSEVETSTGLEIDLSGILPSKNGMTHDFDTSVF
MSMIRF

>comp16732_c0_seq1; 527 154 1230 LEN=1376; translated

MAPLYIPEENDFFCSDDDSSATSSSTDASSASLSSSSSCFEASQPPQHAHRVRSVSFAAG
TTVHEGAVMNIEDYSEYEKCECWYQLEEMREIRQDVKDTVAMMNIQSQANLNSTGDRKLM
TALVDDVTQTIRGLEGKTRAGKRHRREVRLASIAAVFDEQTLQEMDGMVMDPLLIAMAYTE
HSYPMQVAALERASIYREEANEIYNEDSSLLLRTPPYSTLKDSNAAEHQKNNVVENS LAQ
DETSVVCDDVVVGPTICVLEIEEADDVVEQDNETTSSGALDDKNLQGS PAIEDSLSLKDN
QKDDILPEKVENFDNVNNEIRPFNKGPLFRDRFACFLPGATSNRRPALMGALRAVHI

>comp16733_c0_seq1; 101 1 163 LEN=640; translated

XQQQHRHPPQVQHPPLVAADNNTGDSAQSSSQQQQDAKSQQTTEADSYAYAA

>comp16735_c0_seq1; 662 447 2474 LEN=2890; minus strand; translated

MSRWHQEQEKRYSSPRDLATEANIMVNAKATKRSSSKKTLFFASSSSIHMLPSDGEHVAHA
GLYKCTFESNVANSEITKNRSGLRGELAPDVAEQQEPHPCGEARKVANGFNDRGRPYAEL
SLYNLQFHNGFHETTRGAI TATAAPSSYLYANSHIKNRREHPD SHVDSWEILRAKLPATP
DENAVSQELMFQSVFRTFEVFDWNECNFRCCPYDGSVDDDFAYSTDEENGYAHTHAYV
RTVPRSSAVDESTGDVFWVSWEGFYANCDPANSNRGEGKLEWTIGVSRLKTEDPYCTTDQ
FQVMENNFARCTEPVAIAFQSSKGREVVLP HGGFAVLPASKNPKHSRRSFLSLSTLQSPIT
EERRHTTDLTSHVWGFSEGGIPNGGGLEDHQHLTISGNGTVVDGIFLDANTKDGGLRTR
HTNPTTGRPDHLCRTIFNIGIGCMPISVTTEQDGIVRVQPEGEEQIVLTKAQVASFCKLQ
DAEKSKFINYERQTTLVTLGLDVIWSDDPTDGNPSPETIVFGCFGSEGGHGNFGSIVVGKK
NQQGRPQVQVLNGAFPGAVHFVPELEEFVLPSPSPDESESTLLLSSSLFARVTSKLCCTG
YSSLFVFI LSIAIFAKRKWKRYRHPPNSYSENGLSPKIFNDSAYFELPRMDSASLRD
LLTNTDSSASIKTME

>comp16736_c0_seq1; 238 76 975 LEN=1103; translated

MAYANDEGIQNKPSESNFSTSSRVFPPLKQRRILTRRNAMKDLRQSLMTGCLVLSAARF
DNAVALAPTNNPRGSSNSNGLVSRKSVLNTGLAGLAF LATGPGAASAFENKISTKYDD
RPKRRGPKPKDLGVATRTDIVGEEYKGLKHCGAAPNCFVSTEIQEDDPDHYIPSWKWPEG
YDSEKAFSELVSTINAYQPGQAGVDGGFKIITSEKNYVYAQFESLKNYIDDFEFALIE
GFDTKGVQVRSSSRIGYLDG VNAKRLNYIAGDLRAKWDAPGV D YKSHQNYAIQNELV

>comp16738_c0_seq1; 451 64 744 LEN=888; translated

MCSTDNTPGTRTSATAKHNKIVERVKADVRNTGKMIKEKSERFARDHEQEIETTKKRLS
ATKIKIEETKLGAKVKKGVDFALDHKEQIESCKQKLSEARSKVKSTIKKALEPAVPEDE
NNDGSDRKNASDETHEDDDGKASTETASTETDKSETLQEPDVAMHKTDNDETREDETKDT
EDTDRDNGDIVAANDDIVDKEETTPDTKAVTEKKKPGVHKQKSWTP

>comp16739_c0_seq1; 72 1 446 LEN=517; translated
EVVLQAGDVLYLPTQWFHYIISLNLNYQCNTSRSGVTPNYFDPIXEVWLLAGRFWCRGKAG
VRTTLPRVQHGSQGHGTGASVAFRSGSGPEWKRRTALGAAWFCHKEPGGTVQGTTTTTTC
WDNPKRVVVVVRQRTVISGSGSVNGSGG

>comp16740_c0_seq1; 300 1 815 LEN=815; translated
XTTTTTGMAGSPAPPDPESHQPPTESLLLQQLMQMGFQRQEILDGIRHQTSATGSNGG
PVTVD SVMVHLVTQREGMEEARMLDEARLVSEDQKQEDRARREASRETALAEATTGEQLL
KIFPDSWVLGLLVGEEVCSFLLGGQETRRELIEILELEEGKSRKWYGWKLPAGYFQKMGSV
LLNSELPSARSGHHNNALSKARDTAETKGNSCAAAEESSVITTYLRKETRKLRSGLYELE
EQCNGQPKIFLDERPKEDLGGGEVVVIDDDDDX

>comp16741_c0_seq1; 291 25 339 LEN=898; translated
MKVKQIFTCLLAIELPILAVAKFQGIVIEDDEKKFSLNLDGDLTIALSDSFGRVVDGAS
AKNDSTQKGIKRGTKKSKKEKKEKQEKKKQIEIKDGKNAKKK

>comp16742_c0_seq1; 492 56 1012 LEN=1178; translated
MNSETSQGTKEAEKEEARNSGDAIKPASQSTSTIIEKRDDTKMESSSSIVDETEGETKKS
KNQLKRERKWEKMLEYKRRKKEHQKLNKIAKAKAEGRDIEALKEDMERRRVDGSGWARRN
ERWKQLFKRISSEKYQVYIDCSFEKSMTSSEINSLANQIRYCYAVNKKAKHPVKVTACSLG
GETRDLLEKVSQFDQWEHRAFHEKTEKNIVETSEDKTKLVYLTSDSENTLTKLEDGKIYII
GGIVDRNRLKRAVIDRAENFEIQTAKLPITDYLMSVSTKVLTCNHVFEILLKWRENQGDW
KKALLDVLPPKKKDAKEKS

>comp16743_c0_seq1; 317 169 1062 LEN=1215; translated
MSELTSSNDTSLGGPPVSGFSFENTLRNQHMMLTGGSENFPAAKKTGTTICGVVYNGGVV
LGADTRATSGSEVAEKNEKIHLYLTPNMYCCGAGTAADTEMITQLISSQLELLRMNTHSQ
SRVVTACTLLKRRLFQYQGHISAALVLGGCDINGPSIYQIAPHGSTAKLNYTTMGSGSLA
AMAI FESSWREEMDEAEAVKLVQRAIGAGIFNDLGGSGSNCDVCVIRTDGTVDYRRNDVTP
NEIKPLRDQVHHSALLTMQPGVTPTLGETVVTPHPTTSGIGMTVSASSSDTAMEVEA

>comp16744_c0_seq1; 411 202 1455 LEN=1533; translated
MASADGWRKDVLRIFPFVLLQVFSFFLSPSSASSTTNRNTYNVYNYDQTPQFTPDGRL
LQVEYASSAADLSPPLVVFECLESTTYGTSDNDDEHRDEDANDNSQSYPCVTLIAIPKESN
SPQHRIVIEETDDGKQERLPPMLSRNLRSYCVAMSGILADSLALLQAGMKAAGQHTLQY
QMFFGMESLAQVADEQCQSRVFAGGLRYPYGSTLVLCGYDCDDGYRAKSSSELIYQTDPSG
GILQHYTRPNTYDDKEKQRHHHYESSAATTFGVPPKKKKSLRRKDAADKNGAIKSRVRC
VVGGSPLQRQLHKRIDQALVKFENNLQNKQNRREPSLAERIAACVAKILIQETTKGDVG
AKNNDASHAEQHGSSSESSNRTEIVLVSPTLGCHRLDDRQLRAIQELVRDEKSRR

>comp16747_c0_seq1; 373 1 679 LEN=829; translated
XPRPTPRPTPAPVAQAATPPPTRSPTRRPTPRPSPAPVKGSKDGSKGFGGIFGSKGSKGS
KGFKGFKGSKSKDGSKDGSKSGSKSGSKSGGKGGNYYGGNYYGTGKGSKAGSKSGSKS
GSKSGSKSGSKSGSYGSKGSKAMWISGSRNTNGSYGPGKPGTGKVFSHNSYVEGSDQKW
NDQAKETVAAMLTDEGALLGVSSASTVFGFRFLSVVTVIGVTLFASL

>comp16748_c0_seq1; 392 212 1102 LEN=1373; translated
MLRCTVSFLSTAPVAGFRSLDRFRGVDASAFRSPPEPHGRRHSGAVRFFSMRRENSWILLV
DDEDPIRRAVGQFLLDKGYKVTTCADGRAALQLALSKRKEGIGVPCIIISDIRMPGMDG
LELLGSRVNAEHSVLSHVPVLLTARANVQDRIAGYDAGADAYLTKPFSPEELVAIVDN
VIERSEDISIREEELHKTGVIEDLKKDLAEIKDLLLNKGGCGIGNGWVQQTNVFLSKDER
NVLDLLSRGLITKEIAANTHLSPRRIEQLLTGMFRKTGVKNRKLVRWGVSTGNVE

>comp16749_c0_seq1; 403 1 1684 LEN=1762; translated
XEAVIKLPAYEIIIMKRKTPSANEEDEHDGKMLEEEDLYVEEPVKPEYLELPDELKNIDFQ
ADGAAAWDKYAPYNPTRQLPITPLGEKPIFSEESPALCFHIHGIDGRARAATIHFPNGGP
PVPTPRFMPVGTGKTLKGVLPDEIAAMNCPIILANTYHLEIQPGTELIDSVFNGLHNFMG
GMMPSDPDLGKQSDDMHTMGPNNRRLYNLLTDSGGFQMVSLASLSVVTEKGVVFKSPYTG
KPMMLRPEDSIRCQNNIGADIIMQLDDVIVSSVSTDDGRFKIATLRTLRRWDRCMQAHRAP
ERQNLFPIMQGHLDVSKGGLRELCLAGFKYRDLRNISSDDGETKLREAEQKEEQQDQHG
QDATVHRKRI PGFAIGGLAGGESKEDFWRVVEHACRHLPPDRPRYLMGVGYPLDLVICTA
LGVDMYDCVYPTRTARFGVALVDRGQMKLRHEFAPGNSIYNSNIPIDANPCQACSRGI
SRGRLHALLKAGNPIAVQLITQHNVTYMMGLVTRMRKAILEKKFPIFVRKFIIMKHFSGEG
QKVPEWVNDALTAAGISLEVH

>comp16752_c0_seq1; 238 68 772 LEN=972; translated
MGKKGKLVFKGDKPKKSKSKITKGEHAKTIGAGAAETIIDTEATANYQRKNVAPSIRN
NTSASAVPSIENGTGHITTSVSGHDTKFEKEIHVGDAILVTISLPDNTTAEEMRIVT
MRLSNVSLNLSSAFSQNLSEFPQSFVRKPKNLEQERRKERQKQLEANEIEKSAFDIYG

KDNRRGGCKNTVFTFREKTETGSRVVKQHVSSSGSITRGDLLDLRSKKTSDKYC
>comp16753_c0_seq1; 276 64 597 LEN=679; translated
MNTMNLICIAAILFVTAVGSAQALISPAVTCCEDNNGGKYEIVNGSDGQSGICRKDGVSTEA
FYFMDQNCPPPTPAPSSTPAAAKYSVYAVNNCDATVTADFVLRASRRLGGNRNRGRVEVE
EGQCTYVGPNTLDDVVAYTSEGSYISSGNDSCNIGDSNNSDCNLLGIAENACVINLC
>comp16755_c0_seq1; 215 1 441 LEN=742; translated
LCLTEKSLYISTYFVANKYCLKAMKLTQSLAFFAVVWTGANAFQPATRAAGSLTELAATK
NPMEKILRNLANNFEPLHGHGSLEDDLDEQWEAQQELKERRRKNIDKEHLKQKYKNPEA
RKTFDLNVGLTDDNKKKPFWNKKISP
>comp16756_c0_seq1; 85 130 366 LEN=366; translated
MVSINIRLSVFLWVGLLASASNAENLRRRLGVGFVPPPEPTDPIIDIAPPADPVEPTKPP
ADPVDPEPESEDPTDPPAP
>comp16759_c0_seq1; 173 108 572 LEN=943; translated
MHPLVRSLYKEALHVGGRDYPLGLDRVRREWKKAIRNPQNCPCYSIVRREGDGGWERDLG
ENDAVVSSEPPTLAIPKPMHSKEHPNPD CERELRKAVGKGRYMIREMIGVIQLKKYRSLK
RRYGNDDNGGIDGLDKAHAGDFEETGPKKPTQNH
>comp16760_c0_seq1; 553 36 842 LEN=904; translated
MTVSKFALVAALVGGASAFAPANKASVSTALFNGPVLGAGGMADTRDPDELVHEDARKSI
AAAPSFEEYLKMRDGGDAAAAPAAAAPAAAAPAAAAPAAAAPAAAAPAAAGGTIFATLQTL
EGPGQVWGADGIAVGKEESDLKGYDNFGLFCERLQSTGVADILNGPGPYTFVAPVDSAIT
TYEKMFGPFDADACKTHIVNGK IASSAVSTADLSNIGGTPLTYRRAVRKDFVNDAI IGEK
TFGQYSYDYPVDVETSNGVIHAVGLSMAE
>comp16761_c0_seq1; 598 47 1066 LEN=1161; translated
MKTAFCLATILASASAFAPASKPAFSTQIAAEDFLEAEPYDQSTVPVNVWKNKAPFTGK
IVSTKRIVGPQATGETCHII IDHDGDFPYWEGQSWGVIPPGTREKDGKPHSVRLYSIASS
RYGDDKTGKTGSLCVRATYWCPELKAEDPAKKGICSNFLC DTQPGDEVMTGTPAGKVML
MPEEDPKTDLIMVATGTGIAPYRGFIRRLFAEDTPAAEAYKQAWLFLGVANS DALLYDD
EFQAAKKAFFENFRLDYALSREQTNVKGKMYIQDKVEEYADEVFEKLENGAHIYFCGLK
GMMPGIQDMLKGVAEKKDIDYDEWLKLLKAKQWHVEVY
>comp16762_c0_seq1; 223 1 1457 LEN=1555; minus strand; translated
SALLQYELHYFHCIVRSRVFLYRTVPYQVRTVPQGYEKASHEKDFEQKPEPCLLNTFRG
TFGGICALRDGGRMSRVRQSFRASSCIACFPVDAFRCPAILPEAHKKGHKYTRPLWPS
SRRLQLRRSPKPDPTPEHAGSLEQEPTPPGVLCHGARGDSXASLSAGGRFLPMVSFRAF
TVARTVGS HREQHGTKRRECLD SPSQMP SRPSCGCLPPEADAXENPPEDPTLRKIVHLN
HAGASPSQQRVLDVAVCSHLRREQEDGGYAAQNAAGDSGRLEDVYRSVAELVGAEPGCI
VESATVWTRAFYAMVQRDELERRASPDGTKRVILVSEAEYAANLVAACQWARDHGRWV
VLALPSSVGPCCGSTGRVLDLALDAML DGT FAYEAGGEDGKDPVRLDPSSIALVCVTHVP
TNSGIVNPVEDIGAKIRAHNEGRRHTGGAGGYLGSIKYLVDACQSVGQMDVDVRAVRCA
LVATG
>comp16763_c0_seq1; 175 105 473 LEN=556; translated
MSAVGKESAKTLYRSILRAHKRYLPREMKGLGDSYVKSEFNMFKKVTNEGQLKQFYTEWN
RYLDQLLQTARTKQSVSAGSLELSSDHAFGKHL PADVSLTDEQAIQLQLKKEETKRAGLP
DH
>comp16764_c0_seq1; 265 1 395 LEN=421; translated
XSSNPKDGSPPPNDAHRNRENEENENETKPRREEPTLPDSPPSPSSSENAAPTVAE
DESE STTEEIAGAAPATHGNDRPEKRRSLSPRTPPRTDKGRKWRERVS AKKKLKLKL
QLQQQEPGEGQ
>comp16765_c0_seq1; 255 104 547 LEN=653; translated
MKSFLSLFLVVAVTLFTTRPTLVVADEVTEKECENPDVAADAPPKVEEDPNCPSREL
VIR CAGIHL DANKNGKLD RSELQGAIDQLP WYARGILQILGSVDKMMKCDMDGDDA
ISMDYD MIHNADQCLASCFKRKAFKSSFFPDCE
>comp16767_c0_seq1; 183 81 359 LEN=359; translated
MKT SIAFLSFAAASVQGTSLRAAANNNGKVL DSEVILKGT VGEPTAEDMEFIGAFV
AS YNVHWQVGHYMTGSHAVDFKGPDSFLCRHCPD
>comp16768_c0_seq1; 137 1 550 LEN=716; translated
XTAQPTAQPTPLPTLDPTPQPTLPPIEEAIIITCPDNPCMLFFAENPGESCDPLVAA
IEV DSWCGKRWD PWCVITYSDCFELTQCDEF SIGEIAEEGKVQREN IKCPTIISDA
VVVAPIP EIGTGQD TVATIS CPTSFPGSGTSCVGGTNLQCEYLLTDRATDIDI
PWL CNCANDAFYCS IKN
>comp16769_c0_seq1; 775 1 1950 LEN=2075; translated

SSPSFANNGSPPPGSTAEPVQAQPPGSKRRLLLVLLQGAIHLGCIALYLIPILAPNEHA
SPTLDESHVMNGEVQRDIHDPNATLTEIFSN DYWGRPMNSPSSHKSWRPLTILSFRYLKG
PYTDLSTSMQLQTLVHRTLNAIFHAAAGDVVGRLATQLFAADQNAETLDPLWLQLATKI
LFCLHPTHVEVTANAANRNHILAVFLAVVLCFPGNDGAKGIPHRTTTTPMWLFVLVALVSGY
LVSETFIFIVPAVMVTMTVAVFPGYQKNAAKGLRPFVLDYLRAMLSIAPRLVFLALSAVS
YYGGRWYFDTLDIPTGLIRPAESPYYTFTGMKRVRYLYILTVHLGKQWGSFFPKTFGGD
PIGFSHEYGYDCIPEIKTWGDERLVFGVGFHLVFA MGLSVLLVARNPRQFFGLVAIHWSW
TLITLFPITGILKVGTFVSDRIVVPSTVAIALWSGRVVQKHLTQVWVKKDSLFGSFRPLQ
FVFLVWVIAASYMTVHSRALQWMDSISLMNSALVTCPRFAKVHMEVSKIHSGLFPDLDL
KTARDHLDTAREIDPDLCDLHQQYIFLALREYNNLEIEKELPGAMLCPTASWAEQLWLQ
FWEQQLASAPQGTPOYAAIASRYQAAFQIIEGIEEQRAEQEAQENER
>comp16770_c0_seq1; 77 1 124 LEN=491; translated
XDENEDEDEDEDEDEDERKKDMVSRMRASRLTTCPFGLI
>comp16772_c0_seq1; 237 238 830 LEN=830; translated
MPIATVIAIAVHHSRGRRLHTEYTLKGEAIVEEIVGFSDMLGMTTSSSTAATTVQEDRRA
AQQDFRDVADQGTGDKVMGYKTLPRCLGDNSECLHGGAERPSCR SWGHFYDTIYNRWLGE
YSTPDAKPIQFLEIGYFQGGKGF EAFSNFLPTAEKHSMEISCIIEGPRAEKWPWGNFAEK
HRWYKDLRSSNRLHCGDA
>comp16774_c0_seq1; 324 355 951 LEN=1084; translated
MAKASEKRTQKKISGTSKSVSSKHQSAAKGGVAVKPKQAIILETI AKLHAIGMEAPSRK
NVQAFSGNTKTKAGFEKNLQKGGYLYTYPGSTLILSEKSSLSLSSSASSALTNES
IHEDMKEMLSPKARLIFDALLDGERHDRKVVALELGYDMSKLSGYQKDISKMKT LGFLEY
PTKTEIRLSDTCFPLGRP
>comp16775_c0_seq1; 123 1 258 LEN=413; translated
VQSPQFLFSILSIPKETQKMPRSGTNSQGN SYTTPGGSNSNSGSSYHYSNSNGSYYSND
NGSTYYNNGSGSSTYTSPSGYVSKK
>comp16776_c0_seq1; 243 57 684 LEN=684; minus strand; translated
MTSQNHGDAERPQSPYVDGDP TKLSIPYLAQICIEVYGD RNDENGGNTPVV FQEMENGD
CFLAAVFDTPRGE GTEHNSESKTLCVAIRGSNSIEQHILNLSPDFFSMLNTPGLAPSK
EGGTRSTSRDIGKEGYNKCWIEPARAIYLELAELCLDASSGGGSNWNEAFDQIVLTGHSR
GGLLAVHAGEFFAGLRDSSTDPSTDSSTDX
>comp16778_c0_seq1; 165 307 733 LEN=733; translated
MRIGNHHHHHHHLSSTAPGSMVA AVASSPALETVSYDFNRSRSSESTEAVHTHHKTEKA
KAGASSSPAATPSPTPSAALVSPSVAPCAYADSRGVFVSPKKIPMTPPRDLSSPFRAFP
APSGLPHQRGLAGAGAAAAAAX
>comp16780_c0_seq1; 665 117 1637 LEN=1637; translated
MTQDGKRRRSVDANKLDADKQAQNRNSAKKKAKKEKSKKNKKDEHHNDSSGGINNGND
EVNCKQSSSLMDSIFGAGSNTGSGSVNAATKTKSSSLMDSIFNSDNSTFVANKTSSSTAA
LFDSTATE TAPTKIYHQFPFQQLPERKTPKTDN NANNEDDDADLIRKTLHNRKIRSEH
RPLMRKALDFPGVFHNEEADENGFFLLDDENERAKETADAVRDHGLCIRKAIDPTDSS
TDGGSHPLRDVVLPAAKALQRKLNKALKARNIHSSETFRFREAASRCRGR TDVVDFE
KDESMIDISRQILRNKKVYPVIKNLLGAASGNDGDSDEDVKLVYAGLIFSYPNSCDQPWH
QDGTPLFPPELPRNQSSLLQASLPPYALNVFLPLEDEDG SIEKGPTEFLPN SHKWESPDER
LRMANLSSGDAVEENVGNDDDDDEGSDRSDEDEDEGNSDDEAIAPVLKCGDALIYDYRV
CHRG TANLFGKFRSMIGSEATSKKKKK
>comp16782_c0_seq1; 296 207 1790 LEN=2095; translated
MIEASSNLRELFGDSDELDEVEETDGDDNSYSSTSAVACVEISTSEDSRGTNKKLVTK
DPSPTRRDGNRPNNDYDSVSSHSLCYNEWSKRIGICDDVLT PGECDELIAVHSEAHH
GYIDHLTVTRISDLVDHAPNYNSSEQTQRHDQOQQQQKQQRQQQEPLHNAVYLALPLLR
ARYEVWQAVEDCFPEHCLLELPEFTALTAWHKGSFLENHYDSNRSYLEDRFISAVLYLND
PVGSECGNCNSNDDDDDLHPENYHCTGFEGGDLVFEVPEGTSRLGANIGCQTNVSTPS
DQTLQKHQITHPEKSTRVVT PRAGRLVCFPSCGRYVHRVEKITRGT RYALTMWFTRRDEA
MERLQSLFLSQAANLAPQQQPWETPQQAELRRRIFLRPKIPLPKNSLLSETEW RHLI
AYCWWKGIPLWEILSKSFTTETAMTDADIVEGRVFDN SSSRNPGIAMNSSTRTKLQKSE
SQLERVVREWRDHYVNP RRNGMASAMARWNADGMLATFVKDDEM KCI
>comp16783_c0_seq1; 355 51 935 LEN=1206; translated
MSEPDELYTLRAQFWLGHYQMALDEARSIMRRPMSPD LKAEREELVARCHIAMKDYDTV I
SGDISSADLKALALQAQYTTLAASGDSAQM QSVIQQLQSMLGDGVS PRVQLTAAHVFLQA
GMKKEALQCVHQGLTLEQSSLCVQIYILLDRLDLAGNALNELRRIDEDSMLTQLASVHIA
LATGSSMAGDAVHTLNQISEQYGPSPMLLNLMACAQM QGGNYAEAEERKLAQAREEFGADD

ADTLVNLIVASQYQHQPVDYIETLKRQHPHFHLSMGIDTVSGAFAREAIKYRA
>comp16784_c0_seq1; 67 1 565 LEN=1185; translated
XVGI LTHASEEDPNLSRGAALHMKIQIVGEARCPRQIKSGLFAENGPERQHTDRSIHLDT
QQQSQPLVERNQEGCFVTHSFKRRIRSRVMSPTYTPQQDDVIELNVGGTRMSASRSTLTS
VPGSKLALMFGGSLCSLKRDRKGNVFIQDQGFLLFQHMLNRYFRNKNNGTDKYPIKPPDLGP
DQNFENFI AW
>comp16785_c0_seq1; 429 240 1220 LEN=1316; translated
MVSFLSLFFLFFIIYHDVVFVTVDAFATMSRAPAPIASISGRTELLWSSPKTTKLEKETSTD
KTTE LSESESTESGPEKIPVAMDAGIDAMMKEAEKSDESEEEENLMQQIKDSGVAGVISYA
AWELAFWTISVPVCFIFGYREVTGHWPDFQDKDDL SKLGAEAFVNFARFAVPLRIGLAL
GTFPWIQENIVDVFFVDEVDNDKAEVIAEAREMKNDETTEALAEESASMNGNGIKKAM
VAEIEPANDIATEEATEEESKDTKHDT SVEVKVAESNEASSITDEQVILEDEKEEIDS KS
IAGRFRIRSRIGNLVNRILRRKRPSE
>comp16786_c0_seq1; 277 62 802 LEN=936; translated
MVHFLPVGFGILLAGILAFVANPRLPTFSFKVLKLYPTLLHDSTPAFSISADIRLHNANF
ITAEVYAFTFDVYYPDWEERLKNIGQVTDVDFQKQSDPTTSGSATKEATNGKKKDAIWTL
APRSNFEKVVDDMMVPTNAGMKVFSNLSWDAFQKSGLLQVPLSGVFIKANGKIPLSMSM
ICNNNVLDAWNMEFQGVSCHLDYVGPWTDLTIESARLRSKLEDTTWRAADFPLEAEES
AVETIS
>comp16788_c0_seq2; 234 1 393 LEN=393; translated
EEPEPVVEEEEPESMTADPLADLAQPVEKEEEEEEAEPAAATVEEVARSEPEALLTTSLL
NSMGPASSDSSDEDAVELSDHSRKSQKPELVVREVTSDSDSDSDSDSDSDSDSDSDS
DSDSDSDSDSD
>comp16789_c0_seq1; 516 344 1357 LEN=2000; translated
MHVMMTASEDSSSCDKSSVDTTAKSSRNVRFSLRKKRSYADRNI EPSRVNLSSYNSDFL
SGLFADVAKANVLKELSIELPSSSSSNPSSTPITEACTPSLSSHLPDSMGSPRPEKKS R
LSYQASFCRSRASC MNLLAIKNQSNLSNLSPKGINEISKLEKDVTKTKKQDSLAYQLDCL
EQDSTQE QPHSTGAFALPATVSVSPTNNKKIKKDVAALAFPNLPSTISDSSCESNNTST
GLTRERCLVLHGPAPEMAAASSSGSKDSFGWFVLDLDDNEENDAEDHHTATT SQETACPSD
LAFQAPTAPKRANNNVQEEME QAYAADTIDSVLGLDF
>comp16790_c0_seq1; 376 156 557 LEN=1077; translated
MMNMMMLAQLMKDLQDPEIMAEAQKMMADPKFQEHMKKVTESQGFKTHMTAQKEAMSDPK
KMKEMEEQMKRLQQGNAQLEQAKALREKAAAQKGD DDKAEDDKKEEATADDDKKEEKTE
KEDMPDIPNLSLN
>comp16792_c0_seq1; 213 66 575 LEN=602; translated
MSTIFMTSMKSTPLRRKVGACFRGLKENISNNNNINND SMMDTSSYRPDCRYLSTHGQ
QSVNRFREVFEEYRKNNYAQTI PPRFKKEISNAMGQMPARQQPSETSTLP IGFQRTVAVE
QIEKLLQNIGAHGDRVSSDDIETIVFGNGGRDRDPSTKYRYGNKMKIK
>comp16793_c0_seq1; 324 263 1189 LEN=1387; translated
MFTDRFLAALAVLATASQAAEF SQIAGDLGEVTEIDISPVCKGFSQIPNTYWTITPATDV
AVFTYPANLVEVSSSGKLSFSFNMSVAETAIDGAGVRIAVPAGQLNNVHVGGG TSAQVL
DGF EAVSGLHASGASTLTATIT TNGVPTSVQADGASTVTLVSNANVSGGTINGASTV VAK
TPSYESFTVNGASSLSIDGGIGSGTLNGASTVTATGDVAAGSLTLNGASTANLATCNSV
TSNGGSSCNSGQSVSVEISELPETATGTGT CVRDILGSIFGGSAGTTIGVNKVQMFAPM
FCALLLSLW
>comp16794_c0_seq1; 387 15 722 LEN=1149; translated
MKTVSILALAAPVAFTSQNVATRQSTQMSETKADLETLAGELNPLVKFWDPLNLADAGL
YGMDAEESIRFLREAEIKHGRVMAAAFVGHVQSNVVPWKLT TDGVSYPSTDLSPPAQW
DALPLASKLQIIGFVGVLEWFWYVNKTDKIGEYPSFKGKLPHVPFDLFDPPFGT SKNKSE
EAKARGLKAEINNGRLAMIGIFGFVTAETVEGSVPTLTSIVKH YDGNYPWFESL
>comp16795_c0_seq1; 118 1 1044 LEN=1149; translated
HEHEHEHDTGHRHGTDDLIVPLFVEFPNPRSRSNVGGPDPFYRCMPSNPTKWVLCVET YR
RVFGALTGVLPDFCTGDILRTGNWWKGEAEIGRWDRRSEKPGARPASCQAEKPTGT PRNR
VSASLGERSDRGDAVDGEESESENE SVDYVLPVNLVAGGRLGQFSCDGACSLGRGRELY
RFRNWLRNIGATAGSSSSSSTGTRAGYVVFSLSKSSRPDKVYGFEEIEGLARLRYGE
NTVKVLD MSTLSLPEQVALMEETA VLVTNHGA VTVSSIFLTRGASALVFWHRVKGYNRF D
HTWFESAGYFRTAWIGERERVYTNRTMSVLDL YHKT LAQWSRSGRY
>comp16796_c0_seq1; 713 112 2007 LEN=2227; translated
MGTANDEETDADRKRLIYALFLSDLVYRFGELRKVIEEWGLDAADLREQYLQHVDDAGKK
KRFFMWGKDGKESHSIEEVMSGQVGMKSVRVTPKIPKTI FDKMMKDLKSTTLDW

SDELTGQISDESYEKIWFQKFDKDHNRQLVHAILERELSDQNQKNEIYIVFRGSVTASD
WIQNIQAPFVEIKIRCDKHVRKKAYLVEQSSFFKIEINSDLARKLKKALNQDDQMDKQS
KAKGYLNKEIPILVHQGFLNYLFRKPNDKADDCKYESIKNDAKILLEDKEFNPRKTEKM
VVAGHSLGGALATLASFFLACDKDIEDANANEKAVIQCITFAAPMVGNIGFQRAFNVLLS
NEIEEQSDTIKDEKSNLVEKNDGLGNSFEHFRI TNHRDLFPLAPPLTRYRHAPGEHAHFF
KPSPWLSSCNIKFSNEKPHKWLFEFCGFSKVKVDGYTPIVLIPNSLLSGLFATTLPLFLCC
LLTTLPIILLIVPYLGLKILIRCFWTLIPFLDAHAFKELPIPECLVSAGEFFKISLLFLG
WLAILFFAGKPNTDWNATLVFISTPILAACSLRHFGREWFDAIAEHGDAWFLAGIFFFQ
FLMLLGNKSYEVCTAKTHALTDYLESFLQVK

>comp16797_c0_seq1; 480 41 1345 LEN=1516; translated
MGKGGDATQARPAARVFKGQQTDAEGNWKSSYNPLDKNAPELPTKGQIKASIPAHCFERS
YIWGMAYLIRDLIIASAFVYATSKCLSTDLDIRDPVAVLTWTFGWSFYAFWMTIMTGP
WVVAHECGHGAFSPSQTWNDIVGFVVHQFLLVPYFAWQYTHAKHRRNTNHLTDGESHVPS
TASENGLGPNNERESFYAVLHEAIGDGAAAFQVWTHLAIGWPLYLLGLASTGKMDHKGQ
PLAGRIADHFRTDSPMFPKISFKIGMSTSFIIQLAALCYMMLPSQIGPMPVILWYWNP
YFFVNAWLVLTYLWQHNDPSVPHYGTGEWTWVRGALSTIDRPYGFIDFFHHRIGSTHVAH
HLFHEMPHYNALEATHALKAYLEPMGLYNYDPTPWYKAMWRVVGKTCHYVQDDTGIQYYKS
MEDVPLTKDAKTK

>comp16799_c0_seq1; 599 87 1061 LEN=1327; translated
MARSLLLLAAATSSSATAAGAYSCGWIQGNRRQRVAKGSTGRLASLFSSSADGPATGPDT
VPDIFVPGACIDFATVHDVDWGEMDPFNEIPFDDFEEMYIQGKARGDASLSKPGCDASYD
SVMTDWDESVPTLNHLSLVGRVGSPPPEARYFDNPLGDGNNKPNVVVTMSLALPRYSSW
EREQEGVSGFQEEETEFNLEVWGYLAEWTLKNVQKGSRIGVVGAIIDTFYRNKNTDMLST
NPKLLVQDLIDILESKMEADTRRNKNGNNGNYNNGGSGNYNNNYANEQQGYNERGPSFF
TDDDDDDVYDPSGGGSAGGFFDPM

>comp16800_c0_seq1; 543 299 1600 LEN=1600; translated
MMRRRLSSSHLSINNKSNTNTSDGYSSDDAQAEATAAPPSTPSGILLNTSYVWVRTDVV
RTILDNSGDLPHGWKQKPPSRKRGRNEGPRSWGWARARVETPSVAAAATLPSRSTHSR
FGGNNANSRSRYQTQTDGSGTTRSVRITLAIEDDEYAPFGMNGKTVSLSYDSNTTEIVCN
ANSWWNHETVGGFGGNDDDDCDSSVVEPPRDLTSLTHLHEPAVVYCLQKRYEQDSIYTY
TGKILLALNPFRLDNVYGEDIMELYWQRDELQQRGGSNPNDNAGPPPHAYAIAQDAYRS
LLHEGDDQSILVSGESGSKTVTKIIMAYLASQSQRNALEQNGSDNGNSHYNDDDSDN
SDSREGIESQILQSNPILESFGNARTVRNDNSSRFKFIELLPSTGQLVSASIQTYLL
EKVRLISQAYGERN

>comp16801_c0_seq1; 212 456 1238 LEN=2462; minus strand; translated
MVGFAAIASDASGAIISDQYPPFFCSSWTVPLLGFAYVVLGGVLPRIAETFAELLSNQNP
NQRPPLETTAKASIPYSSSRELRTAILAVTSTALI IKLSEVLETHPGIFDNLNVAHGH
PEAASLCVMIAAAVLQWVLLDGSITALLVATVTAVGGPISELPFVGHGVWTYLEGAADYL
PLQNFVDSVATTASDDSSLLLQLLRVVFGTSSYRELALSSITGPCYFAVAMDAIALGRW
FDTQSVAPASLPAPFENDTR

>comp16803_c0_seq1; 521 52 840 LEN=970; translated
MKFSLTLAATVATSSAFAPAATTRSTTALNVWGDKDYLIAPSILSADFARLGEEDNVL
EAGADVHFVDMNDNHYVPLNTIGPMVCKALRDHGVTAPIDVHLMVSPVDESINEFISAGA
SYITFHPEATSHVDRSLQLIKNGGCKAGLVFNPATSLDAAKYVMDKLDIILLMSVNPFGF
GQAFIPAVLDKAREARKLIDNNDLCRLEIDGGVKVDNIKEVAEAGVDMMVAGSAILKEP
RTVEAYKETIDAMREQLAAAEK

>comp16805_c0_seq1; 210 1 855 LEN=1170; translated
NNNNNGSFPVAPEATSTGAQWPVPGARNDGDDEIIDITSPIRNSNQWNRNEASFRPR
NAAVTRSSFATGLARYPVAGDATSRHGMRTYEQRRSQDPVRHRSVVIINDNGNRVVRVTS
GNSSIRVSRREHNANTAGTHIPLTSDTAQTRTRALHSLDDWQQTENSINSVSSIRGLDR
HRHQEQNEVLYQLLSRNQRAAAGSNHIDLNASYEELLHRFGDGTENLGAQSEIRRLPV
HVVGDVPLPEDARQCLICLEDFEKEMRTILPCLHGFHQNCCHKW

>comp16806_c0_seq1; 448 93 725 LEN=993; translated
MNFTSFLGKIKDQAEFEIEQNPEQVESLKHQAVGFVKTVDNEAEKEKESGKPKQTKADE
TKAQILGVLPKLDDEFESYNAPPQEEETKPPGKPSYLI GKPSNDQGE EAPAKPAPAKP
SYLIGPKPKDDNKEEEVEEAAPP SKPAPGKPSYLI GKPKKDEEEEPAE AAPPKPSKPA
HGKPSYLIKKKKDPAEEEEAAAYNEAVQGSE

>comp16807_c0_seq1; 670 58 1149 LEN=1245; translated
MKFVIAASLLASASAFSLGPAANTQGFSSALFAEEGGEIKPLRIGTRGSPLAMAQAFET
RRRLQENFPEMNEDGAIEICVMKTQGDMLDKSLMELGGKGLFTKELDVALLGDEVVICV

HSMKDVPTWLPEGTVLP CNFPREDTNDAFITKDNVYKSIADLPDGSVIGTASLRRQAQIL
SQNP TLKCVNFRGNVQTRLRKLN DGVDATLLAIAGLKRMDMDKYATAVLDWDEMLPAVA
QGAIGVQCREGDERALQYINKLN DMDTHVCVNCERAFLEALDGNCKTPIAGQARIIDG EI
KFRGLIAMPDGSQKFSV ESSGAIEDAVKIGKEAGEK LKADAGDKFFEMMVEMSPQQVLGQ
ITK

>comp16808_c0_seq1; 231 94 1215 LEN=1621; translated
MPQHRRRSMGLRASQQHPGGSND AVSIGSPIPTRSRSAERSSSALQSGGSWDLADGITYS
KSN ESEKSGK LSTGSASHLQRSNSDPFDDAGDEIEEASGRDDKAGEELSERVKALPTLYR
FPCTETR NQNCWSETPNSMFSVRGPGYMN GDKTKVPSKKYILQARGCDLFLTNDH SKSSP
TILKAGLGGNLRKKPTYVFRFLFPWGVLIQYYEVP AKFVPMKMDMTKQEKRELSIEGFT
KAELALARW MASDDAEFKNERLKLIAIVPEGPFLVRNLVTGK PALIGKRLDVS YKYIPQQ
NQSLHCLQICDLDISSGTAIAKKT VNVTRRYLSSLKAVDIGFVIEGKTPAELPEEMMGST
RLHQVDPTQAPT V

>comp16809_c0_seq1; 276 61 750 LEN=785; translated
MARFSFFAIMALAMASVTNGFAPVSAPSNAV TGSRFSTELGVAIDTSDIKNGMTI ELDGE
PWKVLGFSIMKQARGAAKTTIKFKNL IKGNTIENTYRSGEKFETALIEKSDHQYTYADGD
LFYFMNSETFEEVPVSAKTVD DQEDWLEEGMEVSLVFFKGNVIEVVVPSTGVYEIVETEP
TIKNTAQGH TKPALLSCGATVTIPGYLEQGEMIKVDTGKRAF LERANK

>comp16810_c0_seq1; 130 1 384 LEN=828; translated
KKKPRAMHRR LLETQAKELYDIVLSASDESKIKQGFDRGFTTWSFLT VHLDPVDAKSFLF
VLAFVYTGK VPRRTDEVLARNILREADRF GCKTLEFYAESTLVEKFLAPPVAAG LLLLLLAD
SHSCALL

>comp16811_c0_seq1; 222 88 369 LEN=580; translated
MAHRVSGNRAVVA AVGGTVGAALIGAIYV PFAVADRDLRGMHEEATPPTSAMLAQEIKKL
QREGILRGDD DHSNVNIVSNSTKAPGSMWKNMK

>comp16813_c0_seq1; 193 184 513 LEN=588; translated
MAKFSFLLSALVA CLVALSATAFAPAHKTCARPITSLDVKVKIN VGDGEP IESALRRFKR
AVSNSGHMMELRH KRYFENSQEKKKR KIKEGRLRKKFERMQRKRMAKRT

>comp16814_c0_seq1; 204 1 198 LEN=223; translated
DDDDDDDDYDDEEESH RVARSLEDDHDASDDVEHSDPPP KRLK LSEEQNDGND SKPAAA
STQNS

>comp16815_c0_seq1; 149 15 245 LEN=506; translated
MDTEQLKPI PCKVKCLKELSPANQV VLRGYIATLRAELKDKDDEIRKFQ QNGDPEAKK
AKCGEPASSCKKGCCD

>comp16816_c0_seq1; 235 109 508 LEN=508; translated
MACFRKARVTIPKLSPTHTRAKIIRFCPTGLPPPDP SPTAKAPSVYLECTDALFVLE CSP
DLVTEGFREETEDGR DANPLMIVESHDEGDFRFLHGESSGDSE GTPPITIRLDEWYDVGO
TIGLIDDGDDDDDX

>comp16817_c0_seq1; 506 82 1221 LEN=1545; translated
MISSIPPTNPGFETAKAGCNALVTGSSGFAGCRLVEMLLERGAKT VIAFDIAVPNAVQQE
RFKAIQKKTGGKIIILSQTEGDLCSDDAVDAAFK KVPKLDIVFHIGALVGP FHKKELYWE
VNHRGTLRIIEGCKKYNVSKLVYSSSPSTRFRGGDVEGLSEDDMPIPDQFVALYAETKAA
GEKAVEKACSDSLTISVAPHQLYGEYDSLFLPKLLEAAGSGNLRVFGKGENKISLCHID
NYSHGLLCGADALYKN SPALAKFYVITDDEPQYFWKILNQAVIAMGFADLFSKFHLPVWL
LYSVAYICDFVSFLTGKQFKLKPFTVKMLIIHRYFNIKNAKRDLLYKPLISFEKGWPETI
EWFKINWLPEYQKVGTKKL

>comp16820_c0_seq1; 317 1 663 LEN=734; translated
ETFRNETFAKISFIESSEATRGLWVAHGILMGLAWGILAPLAIGAAYLKKNLSVLSQDA
HWLKVHFYLGVLVALFTFIFILAI VATKDDDLPHFKEDIHHELGLAIFILVLFQGLAG
YIRPSPVPAAPKSTDDAE ESSQVAGKALYTRRVWEYTHRMLGIVLLGISW WNCQSGIVL
QAEKYDQDDEQFMLKVFWGLSGAIAGSIFVGVVLR LSTD

>comp16821_c0_seq1; 88 1 184 LEN=571; translated
XGGMPPGMGGMPGMGGGMP SMQQMMQAMAQGGGGMGNGGQMPDMATMMKMAQSMGMGQAPN
R

>comp16822_c0_seq1; 104 1 1041 LEN=1162; translated
XEEMP DGARTAE PAGENEA IHGDNGLDGS SLARVEGTSVCNGLPSADTNFTA AAVRTVQG
VLSHLSLGS PKSPAGAEGWKSEADNKEFLRNYFYCARAEDGNHAKDAH SKRADAFEAGFD
SSDNLGERLACTVPCNGRES PCYMGMDTICGSLVDLLPNQH DGGVDAPRAAGG PSARQ
APRGASSRAARADRSSSIAAGQAAPGPAPRTPGGTTTWLGVVRRVASERLHIRFPADAE
GGSEAPQPTK PQASFTXALPQPQGG LGGADPEPVPVVRGRGSGRRMQRPQRPNQTTG

IRTLRGQVPSFGTAIARAVGPDETRRDDWFAACRGATRICRAGALWG
>comp16823_c0_seq1; 79 1 416 LEN=613; translated
PLSAVDPTKRSIGDITYQIRRNNKEFWNRTFGXMPPLKPGQKYPTPTPGFGDRVVFYESLLK
QRQTSEMAQDWCLNYGILSYKKAACLHAIIVTERKRRKQRMGVTGTSASKKSRSSSSPPPPKK
KRVKKEGVASPVSAHL
>comp16824_c0_seq1; 227 582 1397 LEN=1507; translated
MTRCCLDPRSLKTEKKQKYTEHTNDKELDIEPFSSQLCDEYRDGLPEETRRRIHMNHL
RNITDRLLREQLALSTCEDHSYPNEIKFCNKGRSRSWTVQSRSQHDSKDGRESIQTLPEP
VESSIAKSVDKQSDSITENATLCTAFELLSTISCGNMCDRKKSMKTTTPPKKNPPKKY
DDDLKVVGPLIPREISFENRGAFRNGMPREELVIKAKRKKFLKLLDRSGSIDRSTKVVK
VRVYVDPKRTGGNNSVGNSTVTWPTVRNEF
>comp16825_c0_seq1; 185 149 482 LEN=482; translated
MSLQGTVKFFSQKGFGITPDSGTDDVVFVHYTHINKEGYKTLNDGESVTFDKTFDDAKQK
WSASNVTGAGDGVVRPRHNHQGGRGGAYAYGGGRGGAVYQGGSPYNAGGGHX
>comp16826_c0_seq1; 103 340 526 LEN=526; translated
MEGLPRDHTPADTGFDPSSAPGGASTDPLDPAPPRQDPAGAPPSSPAGEERDESSNSSN
SSX
>comp16827_c0_seq1; 331 43 675 LEN=1550; translated
MTKSSMLLAAAVLAGTAGAFAPVSTSRASTKLNEEFCRGYVGGEGPEPIPFAGIQQTSAN
WDPLDFCGRSPEWVPWYREAELKHGRAAMLATVGFVPIPEFVRIPGEQFSFDSIPNVIDAH
DALANTSMIQIFGWISFVEACTFPALANMNEYDRAPGDYGFDPGLGLKQDPEKLLKEYQLA
ELKNGRLAMISIGGMVTGAAITGHGFYLP
>comp16828_c0_seq1; 223 192 1091 LEN=1281; translated
MVFSTPFRTDCLAGKVALVTGGGSGICFELTKQLLAHGAKGAVICGRRQQFLERSSSILE
RETGKICKWKVCDVRDPKACEDAVKYALNEFSRLDILVNGAAGNFLAEAKTLKPKGFATV
MSIDALGTFNMCSAAFPALAKAAKDKRTNNDALVVNISATLQSPATHWQAHASAAKSAVD
SLTRSLGLEWGEYNVRVVGIIAPGPIKDTPTGTTKLSPGMSGEEVNDLIGNGIPLGRMGSA
EIGHAAVYLATAKYVTGETLIVDGGEWLYKPPMVPKDLVSTLSRKVEKRSRAQAPKSRL
>comp16830_c0_seq1; 207 564 1157 LEN=1484; translated
MEAFFETFYNSFTSSADENSKFDEPRQPLYREIELIKVTAPRDDLNVFSEELSRIKHSIG
VEISIVIPSQNKQDTELDRKRTKEEWDFLDAIFSDTIPFLHDFLTYGSPEAEFFQIKGPK
GSLAVFNDVCATMIYARELQCKLEITDRRKLYGPKYLRKTLKNDIFGCPNSEPDLLDAMF
TDDFSKVSPALHGMLVA
>comp16831_c0_seq1; 313 125 952 LEN=1295; translated
MRRLRTGCLLWAAVVAARVAVPGAAPVCGVAFVAALAAPTVYRYFGYGSNVIPSTMKA
LRQIEVREVTAAVLPGYELRFESAARVPLPDPAGDRGERSSDKASENDDPNRGATGPA
VHGLLYTLTEDEFAMVGSTEGVPPFGYRWQSCFVYPYRNGKRAQDAVIDPGVEPIRAYT
LVESRVPASGRQEPQRTQORRSISNDGRPPSASYLGLIREGARLWKFDRTYQDELATVSV
AKSRNVLPDGEWEPALAEKATGTRKTYMIDGY
>comp16832_c0_seq1; 517 235 1632 LEN=1745; translated
MAPDADRRLRQRQTKVLSDKSDADSTEPVLRISTLKSIGETEIVIDGGIYDIKDFDHPGGE
SIQLFGGNDVTVQYKMIHPYHTTKHLEKMKRVGTVPDYSSEYIWDTPFEREIKKEVFKIV
RRGREGFTWGYFARAFFYIGLFFALQYYWVTTPTTYALAIVYGVSQALIGLNVQHDANHG
AASKKAWVNDLLGLGADFIGGSKWLWMEQHWTHHSFTNHHEMDPDSYGAEPMLLWNDYPP
GHEKRRFVHKFQAFYLLFVLAGYWASAVFNTQILDLLKQAGAKEVGINMENPYIRKSRKYA
IGLRILYILTNCVAPFYTVGGFMAVFGHILVMGAASSLTLATLTFALSHNFVKVDRDPTY
DTRHGGEGTCWFKSQVETSSTYGGFISGALTGGLNFQVEHHLFPRMSSAWYPIAPKVRE
VCKKHGVQYAYYPWVWQNLVSTIKYIHQAGNASNWAHGNPYTGSQ
>comp16834_c0_seq1; 144 36 236 LEN=414; translated
MNTNAILTQILVSFCLILAVAGHLKGAERGETERTLRGSMGGMGGMGGMGGMGGMG
GMGKRN
>comp16836_c0_seq1; 214 176 1241 LEN=2006; translated
MSDDSIVTSGNSVYSFALAMTLIAVVIEAVGFGFLRAIENRKKQEINIYPIKSCGPMSVK
ASRVTDTFGSYDRFAQVSDSKGHYLTPRDKANARLFHVNPSIVYEGSSIHLDLTCRSSGL
PSFRIEHLNDAIENSATREATPIVGPVVLQDLGNEVAMWLSKATQIRDCRLTAVGPEYN
RIVEMNPNQGEVPPIKDIGEEHQNIPIVSLADEAPFLLTTSASLEDLNSRLKARGKPEVD
MQRFRPNIVVEGTLPEEEDSWKLRIGCVFQVWQRCGRCTMTTIDRMTLERGPEPLATL
STFRERKNGQRNFGMHMIPVSKTMPNSMVEVGQKIEVLEYDAKRLEEWRRFFSK
>comp16837_c0_seq1; 193 167 937 LEN=1211; translated
MMILPLAYLQVTALAMSSNVLPALGLVLSLTASPSTTIPVATTSEVTQTILSSESHTTT

IRPQTVENVPVLEILKVYGKLAGPNCYGKKAPPGSSCQIRLRDLEQAFSPLETDGSNANT
AENPSSVISREEFASKLERMEFQWPLKPYGINEKSLTKTAIMNKGAETRVFMEELESREM
YDPRNPAGPLPTSLRPALNRELEREGIRDARAIDLAYEALIGSGESKGMRLAEQTEYIDY
YDFLKRIGPNSITWPK

>comp16839_c0_seq1; 216 1 1268 LEN=2098; translated
XQTSTDHLNYPFGTEHYIELKQSSDKCEKQENKHNTTMQSIDSLSASSAGIYSLTTPRNP
SIHYLTESSASIPAHAFERERIANVVPFTKLESVAQSKSSDRGEGESEKSPIYSLSTIVS
PDNSDISKGGVAIPFPYKHLHIMLEAMEAEAERGLPEGKSIVSWMPHGRAFKVHKPARFVQ
EILAHFFSQTKYASFQRQLNLYGFSRITNPGPKGAVHHECFVRHKRDLVQGMVRKKVKG
TKFRRVVPEDQPDFYKITSAEELTDDTNDVTATTSDTKIERTEVASVDNGDKHRITPS
AEPKIDLDTNDFERHHHLNYDHLRFLQDSSLSILQAMPQTVDKTQYAVLRNAVNAVEEAL
EKCNEENAAGLSNDSQRVDTSSLQQAVAHWPLRLRLQQSNNVSVSPSTSFLYGSSSLSS
LGW

>comp16840_c0_seq1; 243 68 901 LEN=999; translated
MTRSRDIRPTIATTVALIVGSGALWYRSNRSKPEADPDSNDGSNDKDKDTDELDSLVLPC
IRNRRSVFPSSYLKDPPLDDAIVRSLLEAARWGPFGHNNYKGC IHPARFVVLGRKAAVE
MQEMTLAYYDRNWRETGWGCSSSASGEDLREEDYREWRETHAEITGRWAPCSHMIAIVC
RRQSGPKRLPEWEEAAAATAQNMYLQSTRFPELACYWSSWHAAARDSAEMKDFLGMGP
EDRCMGFFVVAQRDPLRCSKTDRRRRDASVLEVEWRP

>comp16841_c0_seq1; 315 36 923 LEN=1086; translated
MTAISASTRGRDNCSEDVYGNLRLEVSKMTIIDGDNHFFQHPKQQRKSRRQDSLPPVPQ
QRSIKKTSPARRSFLQTAWRPESEFRLLTPVPIIEDSEQQESSEPSLFYVPVQSETI
QAEVSNTKMNYPRGRKRQRPFQSRLAPPPLLPSSFELDDTANSNPYKRHVAIHSPIPGIGN
SLNLDFVAKIKSSKSHFNERSKMIPSCLEERRSASSSSSYFTPASSSVLPREMDTIKIF
FPIPDNALDVIEETPGDREQDHNSISIGRMALKMRRRYQNNNDNPRNIFEPTDELTA

>comp16842_c0_seq1; 510 1 2438 LEN=2500; minus strand; translated
XFVFRLIHIIPFCCFFIALRSILLYDLGCLSIGKSKDELVCSEKENSALCQLSGLIEADS
EGAELENTLNNGAFTIFAPNNEAALDLQIDVSSTEAILNVLRRHHAVPDVVLSASDLVCD
ERLAMANGGFTRCEGDAVFQAGEGNTGPLPQIVEADLAECTGVVHVVDKIIILPEQCXI
RVVYTALICFDFCFXSLSAAPPFEVPSRRMVHIVLLEIHLFAYVPCFFGPLFLDTNPTAC
FGPPDDIACSTPEFSQFCGWIEAAGLEAALDGSNNELFSSLTVFAPTNAVAIENYDLLGF
SDSMFNNETDAGAIRDILLFHTIAGSVIESSAIDCSNSSLSTTANGGSAEISCALDGF
VVTGDANANTTAAEAVVRIITPDVAACNGILHGIDGVVPSLPGTISPPGLDGPDPVLPD
DEDCQSFGTNETIIFFMGXGFRLFHAVRSETLKSSLFLTNDAAADCLPVLIVSSXFFSYT
GDAVCSRADLKDFCRLVGLSRNDPEGVELLNALDTTAAATVFAPANAATVFSPPNEGLFAY
TSEGSFDLTNPGDVTKILRNHVVLGTLKLLLEDLVCDQTEMSNNSTTTTECGMNQAGTEV
VKRFQVGDGNSPGNPEVIDYNLVTCTGVVHILNGASYHCESYIVAPIECNAGHALASKRM
FLFIGSILLNPFSSFIIVPSVVTCTANPTRSFSEATATPTSSITVEMSVGATPGDTPDGGTD
GASAGATPGVSGEVSSNSVDVTGGASADTSASANGTPGPSTDASASSNGTPGLPADGTP
GASADASASSNDTPGVSAADTPDASSGVPPPWA

>comp16844_c0_seq1; 281 58 579 LEN=636; translated
MATAISMIAEQVLNTCCGDKLPDVKPTKFNNTDPHFKKKFLRKDMKFELCEWKKLPPNA
KTACKELGYDEEKWDNGEEVEVSWTHWDLTDKQKKAWEILGWDEKAWEEQYQWTEWDL
PHLQKKAQVAGYTEESWQEWTPPEGLDKWDDLDKREAMCVMGWTKAKWDE

>comp16849_c0_seq1; 161 472 747 LEN=747; translated
MSIMTLHISFCKQILLLAVVWMLASTDADRPKLRRLRRDQEQVFVVDGLSNGENGRPSS
SSFLYEFGDSSAASRALKSAKKSGKSHKSGK

>comp16850_c0_seq1; 97 1 561 LEN=1017; translated
XPTPVPTPAPTLPTVPPTAVPTPGPTPVPTPLPTSAPVSDTESPTFFPTTFETAFCEDD
PSYRFKNQRKKMCSKKWQRFANPGRPSQRKRKLRKLCCKNGGESVSINIAALPALKPI
WGHVPPRRRTSNVVRALAAMDPSRATDMQTLAKLRIHLIVLEGDDSVFPNDGDPSPTRL
LIIFVIW

>comp16852_c0_seq1; 219 77 436 LEN=545; translated
MSTFKKEAGAAPDDAVVHRIRITLTSRNVNLEKVCADLKKASLDKLLVSGPVRMPTKK
LRITTRKAPSGEGTNTWDRFEMRIHKRLIDLHAPSDVVKQVTSIPIEPGVEVDVTINDR

>comp16854_c0_seq1; 215 249 950 LEN=1150; translated
MAFIPFTKVHANDCARHSHTLLQAIIEASFGMGCWFEPAEELLKVDGIVDTVSGYTGNKK
FDEDPKTIPTSYESVCYGRDWVEGVRVYDTDKISYAEILLDVFFEIQKPQPGSRQYSSVI
FPHNDQLEIAQNWKETSRRERDSGFKNDWTSIDFPRTKFYAAEGYHQRYWQKQRPFAF
ILAMLGVTTGFADRLYDPSLQETVKTTFANGAVVAAGLAI TAERFLDSKVLELD

>comp16855_c0_seq1; 241 88 492 LEN=840; translated
MMLSRSLILFVSLISFADAFVVRSSSRPQMMTLNAKSDAESVRKKEFVAIMAEELGYTKT
DAEAAALNCVIDTIAENLADGKKTVPFGFTFEPRRSARVGRNPKTGEKIEIKASVGAGF
SAAKGLKDRNLGRD

>comp16856_c0_seq1; 186 1 882 LEN=1179; translated
XFLNLGDRANTQEHKHKHKGKDKDKLGSEHVQAARSTEQHSTAQDSTERRIGATRADGRP
DRQPSARTTDMTPGSRSGGPEWLRSKRCPCQPCDRSGGQSGGALLAVAALSAGYAGYALHR
SVREHGWDGALRYLWEGDPYDPVLRRAAVDRLEDAELQLRATHAIGDKLSGLEESLDAATA
SSASHDPSFTAGLWNTVWMDHPSNGGWGTGRDRYALGVERTLAGISDKLKDIAAAVDAVV
VAPPECAGASVDSVLGRRVKQRKKALSRAIVSEMERCDALLASYQVLRERTTE

>comp16858_c0_seq1; 348 222 1589 LEN=2239; translated
MSSLPLSSASLSLPAIMVCVVAVAVSNTILRRIAMVPMENYPLFLTICQTFVYVTVYGMF
LACRIDNRERDRGSGSGPRHRPVTREMLRIRKLPFLWIGLCDSLGDLGNAAGKLPGY
QPPLLAKLNIVFTALFSSALLGEKYRCCQILSMGVVICGSFVTLVPLLRDALLVRTEETE
GASSNGGTDNHAPGNGDSLVLFFYVFVYVSSVAPTALGFVLKEKIFREYEASFDLDFV
NTYTAIGLLCQAVFFVPLAALSGVPYSQISRYMADGYRCFTNDAFGDNHTAAGAGAAS
TSGDFEGDPSQPTPSCYGSPLAPILYLAVNILYNICFLVSIKYGGTLLTFITNTVTFPLS
TLLFTCGIHWPLLGPPARLNGWILAGLVVEFTGILWYSEKTKPASSPPGFKNGTPEAHS
LVAHHHGTENPSLSGKTNRGENNGASSNYGSIERG

>comp16860_c0_seq1; 155 557 691 LEN=691; translated
MSGDDEPEWDS DARSESSGGEESFDDEGLDEGTEGSDAGTE

>comp16862_c0_seq1; 221 190 1482 LEN=1695; translated
MNQKSSESSPAPPASASWLQRALRPVCLFLLSLQPGPWPRGSGLASGYVAPPMHASRP
LSASVPLRGSPGAGPLGGRHGRKSDVFRRFESVSRPNGSNPASERSSPSEKLRHRLSVLW
RFTRPHTIIGSALAI PALHLLAAPT YGTALTARSLSSMLYAMVPSLLMNL YITGLNQVTD
VEIDKINKPDLPIASGDL SVKDARLLVVGSLVLSLALGASVPALATEGLGVALGVS AVLG
TVYSLPPFRFKRFP LLA AFCIVAVRGAVINAGFFAHAAHAAAYGSGRGSVLGCLAGDLRC
GLSSLYFAVFGVLVIALMKDVPDVEGDALSNI RTASVRLGPSAVYQAMHRLLTGLFWGVGL
AFFRGALAAPASAAVRSGRALVGAAALLAGASVRREASPVDPHNPREVYGFYMHLLWKL F Y
LSYLF L P FAR

>comp16865_c0_seq1; 584 153 2051 LEN=2100; translated
MATRGRSATPGRRYGDIIGSIFSNSGDEDDTKDSCGSEAKRRFRERRRKS SSGTCLNRNS
TPERRQNPSVPRPPSGRPPTPDRNRSRTPDYRHARSQSPSHAQNGILSSQMDPFENKKGK
ISIRALSKSPSRRRVSELDTIGTISYVTNPNYETREGTEDIENSFFESRQOKSDQISSKEN
ETEKKNVSASTTEPLVVTK EEDTKTTVFS S NDS AQMKK I IQAQDEQLHFYESRLRDQTN
HIEQIRFELQ QSKQNEKKLQLELEFHDLRYSMYDDYRRMMDRRRLDGRNDDEGDDLWDS
ASSNSSKNGVAMSKLDRLERLYEKSQAEATSRYSSLEEEYNRLVSESSQATREKASDVSE
FTRTESVEKSSLLEKRIKILESDNAKYLNEIKRKQRELDVRLHQDNAIPSSGKEKQNTI
QTDRLETQTLKNKITALETEIGFTSGQIDNRTRTSRYRALEKNLNEYVVEIMGLEDKLR
KEKIISKLKKRELSQKAESSEGTSLKKWYERVDKGGKTQIASTHSMRGRKSSSDRSYNP
DCTSAQTI EPAKNDIAKTS DASKSLVGENIDVVSTYINTNIGGNRRMRNKN GASSSSARI
AMLRKRLDALATDHSSVCTDETFYTVKTTYPF

>comp16867_c0_seq1; 142 50 331 LEN=351; translated
MLASHKASRCPNCDQPVVDRAARENQRALRTKGIPERVATAKDRAKGHERKQGTNGRRG
EAKRGETRRDATMRAHA AVSGRPSTHQARLGIQ

>comp16869_c0_seq1; 258 106 408 LEN=408; translated
MTTIAI IKKALLDLNDR TGSSSLIALNKWIKTNEKKEIAKHVMRAALAKGVTDGVLVKVKA
SYKLSPEAKKAMTAKPKAKKPVKKAAPAKKKATATKKKTPA

>comp16870_c0_seq1; 155 1 307 LEN=307; translated
XHPISILSDSDSSGFLSDFYSTGKLADVKPVVVKSEFKLPPLAKRRKASVPATPAFARQ
IRQEAVLQSHCGDNTPSTMKALD LLSMKLTAGDTSTEAMALKK

>comp16872_c0_seq1; 463 1 1311 LEN=1641; translated
LELVAHLGSTPSPEKIIIFVPTAIMSLPMPPTGNSSYGRSGAMDPRQLQAMDAPLIALT
QQCKGDLRQLMYAFFSFLNRRTD FYLVPHPDTRDGKATQMGFAEGDAEKMLLA AFRQFP
LRRIPRGGVPAGRKAPTPSAKTKTQANKSPSPSSKPDAGDKQTEPKPITDKGSSGNKKS
ELSGDGTKQSPKTKNDDDDGSNSNSNDEEQVPPNMNGVR YNEEGLQIPVGNNGSTPKY
KWTQTIDETTVLIGVPKEFRGKYDVSITASELSVKAKRCLPGEEKSRTFVEGKLVDSIR
VDESTWSIEGGVMIVTLEKKAKKFWTAVYEDDIEKYKIDTELVD SRRRIDEYDDATQAQF
RKTIFDQNQYHLNGPTSDEILGKTKKGGPNKPGIPGLPQGMEIKDAANNNAGIEDLPPGV
EYIDKKTLDAAEKDKK

>comp16873_c0_seq1; 258 45 674 LEN=784; translated
MTLKEKSVLDDEWSQTTPLVEPESIDSSSHQEEKKIDITRLVKKEEQKHLVKPAGVGGAIV
GFIFGGPLLSALLGFGSAYAVRKENGAGDAARALGEMTKTVQDKADEIEDKNKYLERSKE
TVDKVTGILPHTTREFEFASRWLAASNYTRDNQLIEKGVVEGTGKGIIECIGSSI AKLFRKSD
NEKFAFVSTDEVHTVSSTGFTELSSVTTH

>comp16874_c0_seq1; 228 171 651 LEN=800; translated
MKHATPFLLAIAAVACL SLGTEAFAPTSVVS AFRARVSSTVVVRESNGSDSEEEESPPEP
AEKMSLEEKMSWEATDEELRAASLGGV I PQPRERTEAFDVGLYIAFPIMVITGLAFAVF
PFIMGNIDVSDIEVPGSSALSAMNPQHTPTDGHRTTIL

>comp16875_c0_seq1; 212 1 516 LEN=903; translated
QQQQQQQNEPAESSVTDSDDEPCPDEEECDIDWSKMPGFADDDENEAPSEARTPDAD
YRDPGEELGELEPREAYVRRSERSIEKSRLHMEMNWQIDDCAVDEDTCTDACAECAGTGR
VVCPCFSGRGTVFFGDEIRACILCEDGLVGCKACAGTGR IASWAKTHDGPP

>comp16876_c0_seq1; 376 82 918 LEN=962; translated
MAFCMSSAGLLAVAAAAILFLSLVGSTNGFEHATSVLQWQHRRTTAVRRPLRSLSMASER
EYERESDQRMNVREDPISLSRRSATVRAVALLAATAAAPSVASAKTPNGLILTAPTSGL
RWADAKVGSGEALAVGSTCSIDFSMASTAGRFP SIYSTKNGDAPYRWTLGDGSTIKGIEL
AILGSEEEGIPAMKPGGIRRIVPNSLGFNALIQQKNASPASNNKRCLAGNEGSIGPIPI
PKDAPDGAYQRWYQFYCNPRIPYQPD LVLDIKLYGKRT

>comp16877_c0_seq1; 35 1 288 LEN=288; translated
XPHHTTPHRTVYQRHPTTNAQGQPSPRCKRMSDTGTGVPTAPSIPATDAPNTNAASTDGV
GTDGPASGKGRSPGIHPSGNKNKRGRHRRNSNSNSX

>comp16879_c0_seq1; 219 70 507 LEN=905; translated
MRDIDPALTESDYFDKALLYPEFAPQFSYSRKIWLHTSKPSFHRNNADETVFVHRMHHE
KDQRDSPVGIGANGTITCSTTNE DLESHSHCGSLAYSVESWPLGNLYLDDECREQYDGNVE
VEVDLFLAEVAHDSEVFDVCFRPLAW

>comp16881_c0_seq1; 121 68 267 LEN=267; translated
MKYSTASLLIYIFATVYGKEDSAIEASISLVEVEASEDQERSTRGNYGYPFTEPVYGYQY
GGKGGKG

>comp16882_c0_seq1; 233 140 592 LEN=1132; translated
MAPKQGLFQEDNCERPACDEMKA VLP TSMAELEEMKKKYEKQRKKQVECPPKSTELGRNT
WSFLHSMAAWYPDRPTTKQKDG MVNFFHTLAEFYPC TYCAEDFQQNIKKIPVEAESRTDL
CLWLCKQHNDVN EKL GKPLFECSMKNLDERW

>comp16884_c0_seq1; 254 84 506 LEN=851; translated
MSENGIPVMNKPVDAMEVGPNGSNLATAAMRKHPMEELQQRQAAQRISFMGTDEEEVEVR
RLYGS GFAMKLATERAANQTTIGSIGGGIPSSNNVMGDILSGRDMQIGFEDTLGLPEFR
PVVSKMHEDPHMVMERKLG M

>comp16886_c0_seq1; 253 151 1119 LEN=1417; translated
MSDATISKIKAIKESMSKKVASVESLSIEDVESLRDMLLQLDSFDVTLEILTTTLIGTVV
SKFKKHAEIGPTVKTLVKKWKSIAKAGAATSSAQSRDSKSLSAKKTAE LSQKITTDKDMK
SKRRSRTDTATAETREAWYGLQPYRQTTCQKLDVHLHLAKPKLIKQGINADAVDHLTVER
ATDVEASIQKFTGQKQEVYQKARS LCFNLKKN TSLASQVILGQLSSSELVGLTSEQLVS
DEKRKEIEARKKNLMDSNLLDWEAQNE DKINEMCGIKGDLLKASLFTCGRCKSTKTSTQ
KQTRSADEPMTVFVLC LNCNNRW

>comp16887_c0_seq1; 124 223 499 LEN=499; translated
MINLKQAAVTKTSTSNTKKSSTLFYLLAICFVQAGIFTLYKGPLQHF IWTSDILSKASRE
TNFTGGDNDSVSIKNEQEHI IASDHVIQWTPRX

>comp16888_c0_seq1; 231 143 451 LEN=451; translated
MLRRALDEAEQNHEQQQPQEPQLQRNHRPRAEEVEGSEERSGLIPPIHKKYGSTSVSSNRG
KGGLGGDADYHHDHNYHSHNH IHTRRVNYPDEEDDEDDDDDD

>comp16890_c0_seq1; 462 97 1527 LEN=1641; translated
MIEIQPAVSFGETTAVSRSKKKLR TCRCANTIVPFLFLFEITSPTNGFFLSKQGSRHQ
TNRQRHRRALWRTSVKLG NPSAEMNSNNEQDSSLLPLMKLASTHCASQALYTAVQLKLL
DILDEKQAPCSIDELCEAVTAASATSSQDNGTNRSCNRDALLRTMRLLTIGIVCEENDP
PTGDDTPEWLF SFLTTLGKSLRTNSASNAEPSMASCILHWMEKPLWDSWLGLPGYILEG
ESSTL PFERANNGVSSDAWYNREEHPESLRHANNFVRLIHDQEIEAVAERFDWSFCRGKR
LVDVGGHNGKLA AAI AQREPTIDCYCFDLPEVIEGVP I APEGVTMVPGNVFD SATIPPC E
VILMKHFCDRCMWDEPQTV ELLRCCRSALQKNGSSQSDDAEKGRIVIADAVLPDCGGVNE
KNELALYLDALYMLVGRERQRTREWEQLANKAGLDLVLIESTTVPSCSLIVLETR

>comp16892_c0_seq1; 163 1 916 LEN=1109; translated

XGGNPPLVATGSWSGTIKLWDASLHQAERTLAHEDRIMGIA TKPQRAGGPLVLATSSI
DR TAKLWTVRPNDGADGSSETEQNGGNEPSYLIEEAAHLRGHANRLCKVAFHPMGDHLVT
TSFDHTWRMWDAAATGTELLQLQDGHAREVYGVGFHPDGLCS'TTDYGGVVQLWDLRTGRSV
HHFLGHARRVFCAEFAPNGFQLATAGDDGTLKIWDLRRRRLSSSVPAHSGLVTLQLLFQDR
EQGGVGGGEFLVSASFDTARVWSARDWKILATLRGHEGKVTGAGILGDGRQGLVTCGFD
KTLKLW
>comp16896_c0_seq1; 473 234 1070 LEN=1108; translated
MVSTAKGLISVFWVAAGLLSILAPLAYRSLKVRDFRAMQARYNWQEQAREYEEQQEQNNQ
EAGENNNYYYQNQWEMRESGLYDVNDCKWYQLNCYSYYYSNGEDGEPEPRAGWYPNWYS
GWSLTEEEREQRMEEGRTPGSLVFVYLWQMLVFLGILGYVVVLNQRPLSGLVVALGVF
ANMSFLSMWWLADGSIATESDYVQKVGFGQFVSVLVMFNAWYVLFVGVVFLAVFACVARR
DTLREEKKAAREQEEGAEESRYQAPAAVEEPPGWTIN
>comp16897_c0_seq1; 158 171 521 LEN=772; translated
MAIMKKSSLVPFLAIVLLGILSEPNGAMAASLPGSRVLKTKKGPAPHPKMPKKAKKSKH
PKKGPVTKPPTRSPPTPNPPTNPPTNPPTNPPTTSPVSTTSTSTESTSSEPLP
>comp16899_c0_seq1; 150 1 249 LEN=995; minus strand; translated
AFVKSDAVLKITEELTPLSLLPLKPAAMAGRFLLPKLLRDIYDSVADNRYRLMGMRNEC
RFDADGEFEDRFVDDDIALKKP
>comp16901_c0_seq1; 120 1 369 LEN=369; translated
XTTRHDTTPHSAAPVHPRDRDVLPLCSGIVAGRGRVLLRVLVERPDPQRGHPGPGT
DDGFDRGGGGGHRPDLHPGVSERQRTRKKVASQVTPPGAPPGARSSPAPAAPRQQQ
QQX
>comp16902_c0_seq1; 718 111 1991 LEN=2202; translated
MATTLVARPTVYETETTSFAAGLDSGNGDRSPLCRQFLVRFQSKTHVISLGNEDTGSD
DVLGALTESRLLRVLADRTGWSVLHLRVSHFAFPFVRVTARSSILGGKGGFGTLLKGQSK
QAGAKMTTDFGACRDLQGRRLRHVNDEIKLRKWRERKRREAAGEKVDADDEMWNTPSGLYN
WHLMTPTWADISKKATNKIKRQFKKMDQKLEKEVAMRKEKDEAYQKTMTHYLDQTNVSE
SVQKNLGDIAIKQGLARKARAVNGKSTTINAAAASSNKRRKTETSAMGGVSSHFPDGEQP
NSLVSLTGDVVVEPTPGTDSVKIQSKSEFMTSVYVLERKVGGEQSSLPGSYYYEVTLVTG
GLAQIGWACIVNDGSKGRSSSFTPSNDLGDGVGDDASSFAVDGSRGLKFHGGEEWKFPIE
WKAGDRLGCRLLVQCGTGAVASANETGSLSFTLNGKDLGAAFTSIDSEGMVPAFSCNQGE
ILELHLTKRDCYFPTDDPTVAVKDLAPSEPVAKETPKPSETENAPASNGSGADKNSKP
APGPVPSAPPRARAPTRPEPLDLGPYGSAGELSELGLDRLKSALMALGAKCGGTLEQRA
ERLFSLKGLDPKDFPPKVRKGFVEP
>comp16903_c0_seq1; 419 86 739 LEN=872; translated
MATPAVSGGTTTSEADAKISRDLAVLAEKMDLLEGMLLPSEPAAPRPSVRTNEAVRALV
GYLDACGPRMIELVTVCTTSPVFAVLGEEVFGEVLASNDRLQKILSDVDTLAMTETAAS
TTAASAGGASGKSLGEDGDGNGDLGITDQFDDLFLSSEDAFAEAHGNTTHRSGAAGAKTT
GEEDEGGDTKPAAKPAATAERDPFDDFFAERTEASNF
>comp16904_c0_seq1; 312 330 956 LEN=1082; translated
MADFIRFNETSNLAPIRAAVKSPTPAAVSNSMIAKPTNLSYTVRATKKGNVPCVVESRK
HHKVVVLSNIDGDVDALLSTLKKKLTGGVKKGNTEINGGGDKQVEAIKRFCVKSGCLK
GVSKQTKGAIVEKTSKSAKGTGNKKSNDENTPKPPSSIDPSMRLTSKEIKAMKPNKMKEH
LAAWQLSTQGNKKELIARLISASALSTA
>comp16905_c0_seq1; 203 256 510 LEN=510; translated
MSGQQIVSAEAGSKVDPSSAEWPTDPSLFELTTKIGQAFATVWRARTTVVSSVNAGVSI
SNANGSSESDNDTSLPPSNQQQQQ
>comp16906_c0_seq1; 88 1 470 LEN=470; translated
XNQTETKMKNKALRSLLVVALFGAATVTAQFSEQVLLEREDCPADQDPCMVLDPISD
PDCDPAIALLIERDSFCGQKWEWCVVYNDCFNERCGPLLQNQISLIGQDGGQNGVDRD
NLQCPPTASPTQAPTTSPSESPTRNPTNPPTPRPTPR
>comp16907_c0_seq1; 281 341 838 LEN=838; translated
MRRLSLVPLAMAIGDVAFAFTASTLKARCFFRNVAAGAIDSPVLSVSNNDKEEAAKEG
GEESEELQRRMAVVRSLQMSFYGSSASKRDRGTNEDEDENGAVGNDEDGPPRHVSTGT
IQRLPLFRAAWYELPGRSNVLILKDPIYTNMFEKMFYTSNNNNNN
>comp16908_c0_seq1; 170 25 492 LEN=1029; translated
MASSKSNLPAVAGTMDPRSGGVKRSSGVNVLPSVVEGWAEVRDSDNTEVDWILIGYDG
NSKTDMKLIEKNGGIDVLSDKIATAAAGGAIFGGTRLLASSKFVHFVYVDENCPAMKKG
RTMMYKNGVFNTLMGCVGEIEIAPGLRETEVGPPIR
>comp16909_c0_seq1; 418 1 1559 LEN=1765; translated

MGGYSTASSSGSSSSSSSSSSSSSSSSSSSSSTASSDVCYPYVHIDNDWCPGTRKLRVAREV
AEENDCSKYSKKISKQILKEMDGMFFFRVASNNTDDDDSSSSGSDSSSDSDSDSDSDSDSDSD
KEYGFGCFTEEDEDEIDLDDDEVEEIPPKELHKAIKPFYEGERFLIENEACRDRVYFNH
PNHPGTQAFVRASQAQAVIKLGVKRGFDKRVFNRMKRLLYDSYFIGTAPKCKEAEEDYY
EIFRARYEFDRIMRRVMADRRKPRSIPGSSCIKRGCCENKDPDKKHCMVKIIGCVPKVV
AAPVVGALAFVGFGLYFTIWFILKTIITAIYVAIGLSLSFMFGGTEIRPTEAPTMEPTE
APTTLAPSVSAIPTTLEPTELVEIFEDRYKESGFRSSSSNSSSSS
>comp16926_c0_seq1; 225 104 775 LEN=980; translated
MEVASPPPHFPGHGTNKRHPGSPGFGDTTNRNPFAMIPGDSSEYMQQRSFKRRRFTLT
DETMGGDTENNQNTFVQCQQQPIVAKGNSISSQGPYSKRCRTESQSTQQINQLQNVVNT
QGAEIESLKSEKAGLQESIDTLKTEHNRVVENKTLKRAVVIQQRQONQALSEINAGRQF
KVEAEDRIKKLEQLVISLRYHLQAQQHNTPGNDFMGYRPPDVY
>comp16927_c0_seq1; 518 1 1369 LEN=1378; translated
XIGLEIEIVMDSQHRVQRVQKIAMTRTVSSISLMFVSLGWLLCLLLTEIPRGAAFFVTSS
CSSSNGCVNGAELHRFSKSFVRSAAAGSDTDVSATSSGKDDGSDNGGFFWDFRGHSCYA
EIDRPAVSIDPNNKEGPKKPTIILVHGFCSTVYWRETRACLIREGYTVHSVDLLGQGKS
AKPGRADNILYSIDLWAQLVDEYARKHVALSDDHDKSGIVLVGNSLGLSLVALSAATGDCF
VHDRANPGTGYLASRVKIGCMFNCGVGLNTKNVLKVASNPWLKSIILGVVFGLLDILVFG
NKLLLSYVIDNQVSKDTRNALTALYSFADDPQSRVDELVDSDIDPVLNDSTSDVVEVL
SQIYTNDAGRTPIELHNKYLSDDGGKNVPIHLIWDKDVVTPIEGDVGVFYTELASNPGSG
VSMQVINNAGHVLFDERPECNAGLIEWLDEKLLKQN
>comp16929_c0_seq1; 462 1 1468 LEN=1651; translated
XDFFHKKYKGNVCVRLSMDDSAKTELRLSKEGGKYRLRSLHQGTMLSHHSNNALRWA
FAGGASRSSTQLYSILHFSTNSDSKGGSVGDYFNALRWKAADALTSNLPEEERNLLLGKL
SANNRKVSSEKLRDDASPQATGFDTEENNTSYQPSIAEAVAATKLREAERYEEKWKNE
KEALKAEAEAAARARIESDLTIQKRQIAFKAWKSQLEQEKMEHETSDTQILSKNKKSN
LGEHPVLGPLIADLGYKRIHLASSKDLATIPVWKKQRIYRHGRSKSMATDKIKTLHLGMP
GIIGIFENS DGSLVIIDGQHRIGMLKVLKDKVSDDDFNFERVLVEVFP SQIEHDEELQTK
EIFLEVNKAEPVKLDLPGVAKAKDRKIINEVAERLRNFPDMFSESQRVPHLNVDNL
RDALFASKIIEKHSKTKALEEWIMERNDLLATEFQEEETSRNSVSLNALKKAKEKFQFYL
GLDSGWLYK
>comp16932_c0_seq1; 244 1 943 LEN=943; translated
XLDEEEDKTHAAGAFVRDYLPGDLLDRVRDTVENESSESISDDGMDRINNANAERYAFQK
YLSAYEDFEHWKEVLRPTALEDHHRIPNYANLSEMEKNIADSNYLRTWVREKKKHLEQ
TLGAAERARSSWHGVLTHEGGWLVFDGDDGVLGGGAVDAEEQRRADLGTIRSRHLVLA
NLYHQVCEETASWLSRSLGEAEALRLSREALQRLGGGSASGGSAAHTPGHWYKHALDLA
TLVADSSEIHKAFPRADLREFVAKIGETAVSGLMNPYRGGKAVRSPTGGGADALDSTLQ
MLCIRSNNEDLPTAA
>comp16933_c0_seq1; 54 1 676 LEN=676; minus strand; translated
SNTDSSTDSSTATAIQSFTGHLRVVGFMPVVRNDDDESKRFCDWSASHVLSVWNYKDP
VANGTLQKWSPSWKPLSLAVGGPRPQPRELQLVPEPPQPLRGWSEMPKALRSAGSIVAVEV
GSTASEMTTIIQKHHPASVYAKLVSSDCLKQDQLPLPVCVVVVPVSRELVLVVVPSSENE
RSPEHQHGWWSKVLRWVLRASGLFELLQNLLESGLPEVLQHKGWX
>comp16935_c0_seq1; 106 1 96 LEN=282; translated
KKKTPAKKATATKAKKKAAPKKKSTKKTKKQ
>comp16936_c0_seq1; 359 69 857 LEN=969; translated
MLSTRSTRLAKSAVSRLLQKQSVRSMGTTKSFHLESKDNNETTFDFTDENYERANRILQ
KYPDNYRQAAMIPLDLAQRQNGWLPLAAMDKVAQICNIAPVRVYEVASFYTMFNRTPV
KGYFMQVCGTTPCMICGSEEIMKTIQDHLGIKNGQTSDCGYFTLLEVECLGACANAPMVQ
INDDYIECLSKETMIELLEAMKDELPAVGKWSGLPMNGQVSCGEGPLGKNSLFTIPKPPA
IDPDRFKDGNVDPADVKKHMAV
>comp16937_c0_seq1; 157 1 794 LEN=907; translated
XKDKDKPRMTSPASKITINDVFCSCVSAAIARQLDFHRSTKPSLLSSPERTFGLPSMNL
IPVHLQGGVLLPGQSMGNKIGAMVSRI PGETLSNPSGHLHHTDPTLAAERLARVHAVLH
ERKQTPVAVLSYLLAGAMGYLSASSSSSWTPWIFRRAHAGASVVVTNVRGPETRVHMEG
RPVEVFFGFLPLPAGVPIGLTVTSYDGRIHILTVSAEEYAVPDADRFLGWVRDEYDLLRTG
AEAAAAAAKAKADTNTNTTPNASR
>comp16938_c0_seq1; 235 81 686 LEN=860; minus strand; translated
MVWFSIMYNWVTTSVLQKRPASQSQRIARHGSDSSLRRKAVALAVVVPLRSAARWLGVG
FASITRRATGNSVRRGTGGPRGPAAPGEXEESSSQSEASSGVLSLSSLSVSPVEAVFES

WLVAVGVVAVIFVCEDDADRRRNEAMPAAVFCTFRRRPAQREERFFGAAPSTAPRVSGG
ASSSWVATGNGNRKSVSSSV
>comp16939_c0_seq1; 736 1 1866 LEN=1969; translated
LGGVTVVISPLLALMKDQVEALLQKGIPAACINSSQTEKENKAILERLVPALYPRSLGRG
TAATKKTEGGGGSSKNNRIENENVAVALAQPAVLLYVTPESIQTERMRAVLKTYLKEQR
LTLFAVDEAHCLSSWGHDFRSSYRKLNYLRRTTFPETICMALTATATPKVIEDIRSELSLP
KSNLHIGSFDRPNIFYKVKYKDALDNPLKELVKIVTKRHNSASECSGIVYVHKREDTAMI
ARAI SRAGITASAYHAGLKKADRIAVQDQWSSGDIKVAVATVAFGMGIDRHCVRVYIHWN
LPKTVEGFYQEAGRAGRDGLPSHSYLFYAPEDVIKYKYLIRMQGGKKNASAAEELRAEKN
TERKLGQLEEMQDYCTKAKCRRNVLIKHFGGKPVDCCKTCDFCANPKKVERSMHASAAIK
DVRROQKGFAGRGKKAGGKKEPWNQWDRPHGDFGNEDNIANDWGDNCLMAGDLRITGP
LGGDSEDFNPSFASNKLPKGGFASKASDILSKYEAIEGRYGGDSRDDPPKNKSTSINIPEH
LRASLKAASDFTTANNIASKKKVTKPLKSSDHANNAKQIEERLAKLKAAREERLKSFOAK
TRAKPAPPPAPLSFGSRKRK
>comp16940_c0_seq1; 259 1 1001 LEN=1711; translated
XPVPPAAKSSPEDKTAALLFSREGSLRQIENGQAVPSDELVEVQVQVRESAPRTEAGRHH
PKQVVAHLGEKTAETTSKVTSAIATLGVKLSMGRSLYSEEPEDASGSSGSGCTFSDDT
PSSGGGSGGLVGKFRFDPPRSRYELRLNPVPARFLGVRDHAVLRDVSQHRVFLNPSVTEV
LCTTTAEALAMGKVVVPRHPSNTFFLQFPNCLAYDTKKECVDHLRYALRSDPVPLSRAD
RHKL TWEGANARLFESAMMTEEEAGERNNKKTGDAARLHIDTMRGTGAFFSGLWARGKTIQK
HIALKERPEEKPEPTGESGSEPPKGPATGFCRV
>comp16941_c0_seq1; 205 105 341 LEN=717; translated
MDSLPPNDPNRNNNGNDRQAQKEQPFQDGTTRNGSNGGNGQENGEPMDIMGNMSDSPA
VIMFLVGVAAWFLREQCVC
>comp16942_c0_seq1; 264 1 635 LEN=635; translated
PADVEMPQTESSRPLSAEETKGVDPDTSADASTLDPNSNRGVPPPSSDKRDSSESGDKDGD
AAASASAPRADKDGTSAEQDPKTNNGSRDAKTSGESPAAPAKAIAAGDGGGASGAESDGE
LPPRQEEDADRATKKKKKNKNKDSAAAKTSESGSIVPAPTREVVFVWGKQMPQKRARKAI
EVGMRVKVRFATNATRIRKDGRRVSKKIFYGG
>comp16943_c0_seq1; 126 121 243 LEN=243; translated
MAELMFLGQTKKKKASEAKVRNTKANLRDVTNITETVETNL
>comp16946_c0_seq1; 349 1 548 LEN=650; translated
XEKKKKKKAKMEDVESDAIPRPQSFVKVAKKREKLSRDGSSVRLVGVTEEHTKPAKPLK
KKKSKRITEEAVKTKLGKVDASTKKKKSKGKSTNDGEISPFKNAKKGKKMSDQSLQTD
DAIHGDVESMHGSDQCIFDENDDVSSDNISSDNISSDGDVNVLSDIDDTKINERPTVIES
FQ
>comp16947_c0_seq1; 317 1 863 LEN=985; translated
XEGIGSKVELPRTSSKNALKMMVVAHQISLLYITSLGLLLLAQRCD SFVAGPPAPFLGC
TSTALQNDKFRRDIDEKSRQKASASGGSVAAAILGGLVGGPFGALFGASIGSNLGAQQA
FDQARKEEMRKKGITQEMLDAAEEVGYALEQSFEGMEATRESLRSQOTLARRIDEDANSS
YEKAKEAMAAGKEEEEAKSFLKRHEHQEYLKTLVRCAEKSRIEVMERNVDALQKRALE
VEAMLQRAVGAKARQDSSDLVGSISD TDFLSREDPLLQKFKDLGID
>comp16949_c0_seq1; 146 1 912 LEN=912; translated
KKQNAMSPERDII XAVVEEDMSNKSHESDVAFIKALAE LLNDNDLTEL SVKREYGEDDTL
QVRVSRGETVTTHYAPPPAPAYAPPPAAAPAAAAPAAEDPASHPGAVTSPMVGTVYMQA
EPGAPAFVSVGTQVSEGDTLLIIEAMKTMNHIPAPRGGTVKRILIEDGAAVEYGXASDDH
RIRPRAMFEKILIANRGEIALRVIRAAREMGIKTVAVHSTADADAMHVRMADESVCIGPP
SSSESYSIPSIIAACEVTGAQAIHPGYGFLSENANFVQIVEDHGLTFIGPSAEHIRIMG
DKITA
>comp16951_c0_seq1; 137 1 518 LEN=518; translated
QVSLVNPQIGNGFEAITTVTAF LTKPLIPKQVARHDPIDELPNTNKDKTQPDDHTERTT
KHQDKKQNKND ETVSARTFQDRKPPRPNRDRPGRNRTRTILLGGLLDVVDARAVVAVFL
LLAVVVPQLPLLPHESPAVELGHGRNGPGGCGRLGDL SQDTPPERAAAAPPPP
>comp16952_c0_seq1; 186 1 904 LEN=991; translated
XASESPRVHARSAPPLSTATAASVATAAAAAGGSPSGGASDPLGLALERLRSNPPSV
YATAVGTGKVLGNIVSHPMEEKYRRVKKQNP AFRKRLGGLAGGHDCMLACGFRVEVDEG
ENAEVYKLHATADSWNALVEAKTRVEEAVAKAAAGDRQQPVQAPGPAGLLPGGGFP
PPGG LPNDPALRDSVSRMMSDPRALQAALQNPMLQQMIRS DPSVSPMLRQHLEQLSNNP
AMLQQ MARQMRDPATMAMFQRAMGEGGPPGPAAPPGGPAPQPPRND SGQTEEMIAEA
IRRSLED
N

>comp16955_c0_seq1; 374 321 1298 LEN=2019; translated
MGQKVSTTSFHKVGEDEPHFSRRKAILAKHPEIKELYGPDIRLAYSIVALVVAQLGLAVL
SQRIESHASWLLLCWSIGGTLTHWLSLGNHELSHNLGFKTTLYNELLGMVANCAQGIPSA
ITFKKYHLEHHYSQGVESIDVDIPTTWEGEVFDTRLKKVWLWVILQPAFYALRPLVVAPKP
VCFKTVANTASTLAFDAAFAYCFGVRALLFNVLGTLGGMGIHPVAGHFISEHYTFVEGQE
TYSYYGWLNLVTFNVGYHNEHHDFPRI PGFRLPEVRRIAPEFYEDLHSYDSWSGVIYDYV
FRIDIGPYSRVKRPNRKSAGGKAA

>comp16957_c0_seq1; 193 1 658 LEN=774; translated
XSKPIFSTMFMMKKIAVIYTSVLVLAAVPSAYGNEKCKGLYEIACGTNGLDKFCEWIQTTE
LESLEFTGQESLTVFAPINEAINTVGSINQIEFLREIVLFSIHGAMYLDDMHCGYGTGKN
LLRMASGKDSRTICEDHYPVFQKGGNTDELPRIVSSDIEACNGVIHMDVTVLLPGGFE
EDIAEDQNFESESSFLSEGARLQTSCWYAI AALMLFMYQ

>comp16958_c0_seq1; 382 139 1262 LEN=1329; translated
MFSRSLSLARRFSSSHGAPWHLSDP S RLLVAAAAASLASNGFSREDVTTTARCESPGEA
SSGATDSEGLNSLFHGQCLKRQMRTPAVPYPLWDYNWDGRMTSDTTLEAFRNGEAKANAS
SRAEQNNGNDGTRNKR SRHLILVRHGQYDERSDEDKHKRLTPLGRRQAIQTGKRLVEMAR
GSASFEDHRFNGKCAVKAIHVSDMTRAKETAALIAEQFHGETALLREPDPMLNEALPAMP
VPIRPDIKGAEEEIDENHDRIEAAFRKYFYRDDGEGERERDDPSPEEAGESDAFEVIVCH
GNVIRYFFCRALQLPPEAWLRLCTFNCSITYLVVRPNGMVSARMMGDIGHLDYDESTFSG
YHXFQVVAREEDAG

>comp16960_c0_seq1; 124 1 652 LEN=1558; minus strand; translated
XAQVINAIRLELLWGFVNIWVLLRGDAVPLKQVKNIPKATEDDLKKKRTIPKLLPNLSD
RTVKAYFDRPKIGLSLQGRKKS NPLLRVLT LGPTS AVVLDTPYADTQVRLGKGGTSGSQ
FVFRRLPDTDKAEIEEWKVVLEKSTANSSQRLTKNKLFRV GILGVAFSILSRVLQQHWM
KTGAAVSAILS GISMIGILNSTGGIETKGD TYMVGKQ

>comp16961_c0_seq1; 226 121 675 LEN=1641; translated
MGILFSKVFETLFGSKEVRILILGLDNAGKTTILYRLQNESDEAVQTIPTIGFNVETLQY
KNIKQVWDLGGQTSIRPYWRCYYPNTDAIIFVVD SADAERMPVAKGELAAMLEEDELKE
SILLV FANKQDQKGAMNAQQISDALGLPEIRNRQWSIQETSALKGKGLFEGFDWLVTICIK
GTDE

>comp16962_c0_seq1; 411 1 1089 LEN=1089; translated
NNNNSLDGSTRSNQGGNKLKNENAAGGADYLGGSFAGGWQSNADLPDRRRVIYSILEVIR
MMRPDSNQISQKLPMAKSLEENLYRTAQTKEEYMDQNTLRDRLQNI AKELETHSSNPGN
GIQNKLPNESQQQLQLLLGGNNNNNSNGSMNAFDNGNMMNANATGNSNMERRR SAQ
QQIDMIAQRNLLNQNNAAAGNNNLGSSLNSSMGGGSGSGSSNGDAQKVI RQQQRLLLLR
HASKCQLGPECTTKFCAQMKPLWQHMQLCRDRDCQTRHCQSSRCVLT HYRHCKAQGRTAS
CEICGPVMEHIRRQEA AEGLDSSDPLAEKEGDGNV PKQQQD GDMRNMFGQDDVLRQQQQ
QQQ

>comp16963_c0_seq1; 452 63 1022 LEN=1384; translated
MDDRYEDSKSHQVGNAPVDDVDSTANNNLATASSSSTQGDNANGIDIRQALEILSSRTPH
DHHEDGHENAKHCCADVTKNPPPDVLRNMQTIDMFAPSTGSSIDAPKPPSTSTSSNN
QVDPSERRKKIRDSLRLGLSIVASLKMLLTAQEDRVRTYRLYDEALGKVLLSNRLTDYPPA
CAAATAAFSVLSDTVA AVRDELSNRI ELLLNNDGKTSPTS LALSSII ESINSLQSLERE
KLQITAA YHLEQIRANNLKESKNLDDNDT KDSHEL SLLNKGISDMRSRNETCRS NINGI
IEDLRCTLVELMEEGEDE

>comp16964_c0_seq1; 364 124 942 LEN=1024; translated
MFALLWL VSGALT VLVPLVYRTMKMNNYQNMYYMYNWEEAQQQYQEQQQYYENMYENQY
MNQYGE GNYRQWEQMRGNYDVNQCKWYQFNCFPYYINENGEPEPMAGWYPAWFSGWTVS
EEAREQMI EDGETSSALKFTYVWQIFMFAVILAYGYIVIKQNRVVTGVTFALVVFANMCF
LGMWMLADGSIITDGEFIQQTGFYGFVLMFITNAWYVLFGIIFGALFAIRGHNMHQEA
PQEKQVEASAENYKALGGDSPPTPARKPILV

>comp16966_c0_seq1; 430 42 1187 LEN=1709; translated
MDCPATSIDSGNNFGDTLATWDTARAVLLSLAFVLLATTVLLLESFLLPSRRKTRSGAGRS
LEQELLTHVITGGSSGIGLSIARECIERGARVVTL LARNPEKLAAAKKELEALSSAVSG
ASEGKKQRCAIEVVAVDVSDQPGIVRAARDVCTSQSHPVPTSLLNVAGTSSSAAFVTDY
SEFRRLMDINYMGTAYATRAFLPYMLEDSGGIRPRAIVFTSSQAGQLGIYGYTAYSASKF
ALRGLAEALHME LAPRNVSVQVFPDTPGFEIENLDKPAVTRV ISETSGLF SPEAVA
KALLDSMAAKRPAFGITIGLDGFMLGALTAGMSPCVDGLGALYQIFLAGLFRFVSLFYLW
DFRRTVARMLVEEEQKKEKNE

>comp16968_c0_seq1; 370 229 1173 LEN=1401; translated

MILRQRTLSVAALFQALLLFSTFDHTTNAFLVPATKAGSELHPASNACFTTMVACPLPHQ
RQDSTIHAIPHIDISVLLTDLVATSSFHLSAVEVFDGSTIVDPVVVSSSFWSSLQRQILS
VILGQFIASVVFILVTLAPQLVILRDTILEKFNDESSTTNGNGNRNIDATSPKTFIK
ADSIVRDPDFGKLLVCLLIDVIGSASEALPIVVELTDVVSAPVLGLLILQKLYPGSSKFV
FFFEEFAEELPLTDFIPFATICWAVDTYYPESTIAELFQLGDYNGSVVTAEEKANSLNAS
SERVGQDVDSNINR
>comp16969_c0_seq1; 88 1 117 LEN=379; translated
GNWCNEIVSWEDGTNGITTKNSYQGRTKVYAADQTDYN
>comp16970_c0_seq1; 299 60 524 LEN=558; translated
MNSFRFLICATAAAVAAAAFVVEGFQAHRIQOTTRAGVAATSLSFFGSGKGDDEEPAGIEA
EEEEPKKPAFFQDVVGMNTNFDAVVDDFVMKRMGAGEQFYGKRKYNPSSGNVEGDYNGMGQ
SDLIRIEVARVQREEMELRRQRMEAEAAKRGGP
>comp16971_c0_seq1; 677 1 1790 LEN=1875; translated
XDDDDENSEKKGSKCPAGRYEHANQGAPFTLAIATTRKASLAVFCILQFALWIGVV
RGVLVADGFGSLFVANHHHHKTVNSNTLFGGSATDSPQTSRHHFFSRFRNDHVARHHDE
RICASRTPRLVLMWQKGGSKGDKQNRKKKATSSGATGASSPQPSSIPVQVSNQINVP
RRQIRYKINKQLREAAATGQSFRQTRKGNFVPAGPGTAGNNVKRTSYRKQLDEETIQOK
ALERQRKGQNPDWSVVLNQTADPLVLVDGYNVIYKWARLKKHMARGDVQHARELLEDL
EGLASLRRWRIECVFDGAGRGGIAGPLGSGPGNKNDGLGLGKQPTTAPFGKAGTVRVTFT
GSGIEADTYIEGRCAAANKVTLGKTTSSLVATDDAQIRLVANSAGALCMGSDRFVLELR
AVKKSQYRVEKAMAENVGPIRPEKLWGTTVSSVAGGTGSSSFQASTTGTAASSDASNRT
NKTAAKTDNNTATPQGTQRQSLRPI SAENRIGTAKKEVLEEHADGSKTIKARYGANHII
ITDNRNKKPKQRKQHMATGRGEGEPKRKKKKKKKKKGGSSSSSSSSSSSSSDSDY
>comp16974_c0_seq1; 300 173 931 LEN=1166; translated
MSGSSSTRSRWSSAWEDILSGGNPRWRITSEESHEKAYANFYRFLPEGTPSDDKIKNISVL
CPLAGDDPFVHLLYRKGYSVTAIDLVSEAVEAMKAQFDGDDSSWAKEEDENNDGSVTNI
VWKHSSGRATLIVGDAMKKRTNLNQSFDAVYDKDSFGALPKELRKPFCQRRISEYTKENGI
LYLECKLKKGGDDSGPPFSLQRGDLMEDDNFGGGKFEYIKGLGRVYDLPGNMNAVMQQTG
HVLRRCSRAAAP
>comp16975_c0_seq1; 221 24 1098 LEN=1098; translated
MSTAKTQTGTQIETPTEIARDVIRIEAEALSALHADLPIDFDAVVTRLLEVKGRVIVSGM
GKSGHIAAKIAATMASTGTPAQYVHPGEASHGDLGMITREDALILISNSGETRELADIIA
HSRRFAIPLIAITKKPDSTLGGQADFRLTLNPAPEACAIGMAPTTSTTCTLALGDALAVA
MMRLRGRFERENFLAFHPGGTLGAQLLRVSSVMHSGAALPVVSAETPMGETLIEMTAKGFG
VAAVVEEGRMLMAVITDGLRRNLSDLMARTAGEVATRNPRSILPEALLSEALGVMNTHKI
SALFAVDESGQLRGLVQSMTSCAPGSPDPGSAQKARIGDIAHRITRLNGHRTVRQFH
>comp16978_c0_seq1; 152 92 409 LEN=599; translated
MDEKIAKLETATAEALQLGVARQALETAEADLARAKEKYRALSQAQLEKSGDSMLVTDTE
LPELLETRIRAKNVLETIEAKHKTNRQYLDMMIRKRDSANSGEET
>comp16979_c0_seq1; 102 194 388 LEN=388; translated
MIRRTRALMSGPLPPGAAGTAARTKTPKPRTVVRDPRRTARKAKGGHPVVPVASETERQWQ
QQQQQ
>comp16981_c0_seq1; 254 1 682 LEN=953; translated
XQQRQHQHDEEDAFRSQRQRMQEEREAAEREAADRMAAERERQFEAEVQRMNEEQRKLAR
KQKKIDGRVVKSVLRASGNKNLYAVLGIHRFPGLKIPAREVDLFGALRFTIPGISLFSG
ELSEKQIRKQFRKRAMEVHPDKNRDGRAQEAFAVAVEEAAAVALSDPRQREAYDAERARQQK
EQLERYKGAVKTAMAYAWALTRRTVQVIQTLLGPPFFVPVAIILALII
>comp16982_c0_seq1; 100 1 262 LEN=875; minus strand; translated
XLGCEKFVLKKYNYTDTIRGTAMKKYFDLGFLLKSVLPCGFRLRFLFLSSAIVKLCGGLE
SQLLPYALDKAGPTSEMQFFLQRTDH
>comp16983_c0_seq1; 129 35 223 LEN=262; translated
MAESRKPKNLYATHPKGYGKGSRACRVTGREGGMGLIRKYGINMKRQAFRERAIMMGFQK
YN
>comp16984_c0_seq1; 186 356 847 LEN=1452; translated
MERRTNTTAIQVASGIKNRIPKSTWSVLNLELTSSHHPIPTRELERLARLTLIDVSGSMD
NNQTSLTQDLGNMLHMIKHVTFDFEQNPKTEATTNTIDNRETARIYDVVRGVEVMPPLRRV
AENDLLQPEDTVQSHEIWKDFLEPKTTRRGGGHMYFAIETR GK
>comp16985_c0_seq1; 131 1 423 LEN=711; translated
SNNNSNNFAEWIKGQPDNYNVRMICGTRCSAVPKYGITLLELFRHALDRLWEDVSHVLFVE
DMEEESFGRFAEAYGWEPYDPPDPGSPRTAGANGSAWDPYMFVLDDALYEFKQKQADTR

NATGQNGRRNATGVPGARGSW

>comp16987_c0_seq1; 628 65 1572 LEN=1593; translated
MVYTDADKARDPSLRDAEFPMDDAFSATWWQSTERFLELGVPTIDASPESASWKVFEAH
GYDHIRVTRDWMDLGVEHMSKWWKMWLDEMIVREGTGDKTVNKFADRILEIFKAYVSSKD
RSEVWKAFRFGSGSNNDNDNHNHNEWLEVSGSTIAVIAFMNSKNYREDEILKWSLASTIL
SLAQVGVGRIVVASAELDTDEALVKEALSIAERAMSAWDQPAELAVCDTGDATTGNDIS
PINVPAASLLRLQQIFRNQAEASVEECWGMGNTNTKTATTGSSSSNTNRRWKYVFLGEPDT
LLTTKPASTAALARELKKGNVLAPHRFQMPHEADFAERNSNSKRSGDTANHASSGLYMI
PKSLEGTHPITADPLRNENWSCDDGNHKAYTDHPDCGNFWMCGFLAMRWPGEAPYKG
LDQSPETAFESILEGYPLVRLEAGTGVVFAGAESXPEVPPEGRPLSGPGPKRTRKRTRKR
ALTPKPTKPTNQDNASMECTM

>comp16988_c0_seq1; 466 212 2391 LEN=2391; translated
MGVSDGKGRRSKTVGDGDDYEGFDGNDGDEEEKYTSEAWGNVFRFRHSPCMMRPATMLM
ILALAVFFTVTLAFQIPGMVLGLFMAPILNRSSWYVEFLYPLPISRWHMLLMSFTSKMR
HKAKDKNRGFHSRTVEQRVEVVPGRVYIHFLPQWLDNVGYLVVCLPEPIPCGGSFTTVEK
GSNACPPVALVVDCEVDAVLRSDLIQDFHYKGMPIQLQAILSTHKHHDHTGGNASLL
KHPAGKDITHVYGGAVERVPCCTDLLVDGEKLELPRCKLNDMNALVEIEAIAVPAHTRGS
LVYCLRTKSGRQAEYMFDTGDMFSGGGVPPFEADTGVETDKQLRRSNGHHTVRGNLGAFA
MERCSEIISRKPSNFSTGVGERILVFPGHEYTQELLIRQFQSMVSEHNKWKNFSPKDY
FETVSHLYVALHRRSLPHNSGRLLLIPTIQRELHINPHMRSLLRSADLVVRALSFWNTH
FSKAGAGDDRSSPSAYRSSRRLSIREQQPLPRKTPSRFKQWNLDAENVNSNAFTTVY
TADLDSVIEDLACGKIKKNKAFERIQSLKQKMSKPVVVKRAIPGFPLPSDKNIYRGICGLA
VLGSKPSAMTVSDSRKLMIPPPMDYNSDRIRVSMKRLILVLRGLTETSEGDDVSAIIK
KLWKEANDYCNPQCEGKTYNAIDLESRKHCDEIELGLVKWLMYGVSANQPSWFSKLFKMP
CGSSKTX

>comp16990_c0_seq1; 206 395 1069 LEN=2026; minus strand; translated
MATSHPTRKPRNRWVYAIAGFAGIAVVDVAVSSGQRGVMGKPGDGGFSKAAETGAHS
TRITVSRHGGRTNQKHPAALQSTAQAKETPFFAEFKEPSVARPSATASATPKASSPPASA
MFTRGPDPAKPDYANIHGPLGKAVDDVFLWIFRTRLAEFVGVDSLPLKTDYDGLIELTA
ALNARYSDREEIQTIQKTLRELPNLSCNGCILGSGITEYGLVW

>comp16991_c0_seq1; 452 1 1221 LEN=1387; translated
HTSIPRMISTTWLKYSIKMIQTRILTIALFALCVTDSVFAADDNNLNTAFGKEATVSGGIK
NDAGGAYSLVAGGKLNKSAKGYTSTVSGGSKNQAVGDKSYVGGGMSNIADGKESTVAGGTD
NYALGVRASIAGGSKNDITLESKGGTIAGGSTNVLSGEYGVIGGGFQNFVAEHYGIIVAGG
ESNAALTMHATVSGGNDNVAMGQGTISGGSGNFALPHASVSGGFKNVVAGEFSSISGG
ETNFVEKRGSSIGGGKDNGISAEYATIAGGKDNIVVGSYGTVIGGEANEAAAGDYSIAGGA
KAIAKANRSVFNLSPDQVESSEGGQLVAANSFTLKFVGDGDEFTLDAANIDKLRKLLGN
GRRSLRGVPSNIDSDEYYQKKIEHLQRQVEELRLIVNSIVPPMF

>comp16992_c0_seq1; 239 128 715 LEN=954; translated
MTAIAATAKSLRSLLIASLFFVQTSAYTKTTKSLYDIGCATQCQDQTDGPDIDVSGIDFADL
VAAALISGNSTSTGNSTDNVLLIYGDIECWDVSEVTDMSGAFQENFNFDLGCWDVS
SVTDMSEMFLAETSYNQDMNVWADKVPDRNIDTTSMFNSTGCEVESDPDTIGRPWCQYER
PMWSPEFECFFFRNC

>comp16995_c0_seq1; 286 92 493 LEN=703; translated
MADGYDPKSKVSDDTMETWRTTPTVADLNSVPGIGPATIKKLEAEIVEDRITNTYQLF
GKFLMLKGPGESEDEIEIDSIEHMEKFWHLKNRGISSHRSAIVKAVAEKSATFFQGIYD
PNIYDDDDDDDDL

>comp16996_c0_seq1; 304 100 1038 LEN=1754; translated
MGRSKRDKKPDLAERPFAAETVPLTAEEVQLFDPLKTNFIWYKPLATEDSHETGGHQW
CVAGHDMQVLTMTVPAGETIITEVGSFMYMHPGMETQVECTLCKMNTCGEAWKRVCGGES
CVKVLLINESEDEQGYVGLTPNFPKVIPIKFGTHIESGRNMITKGGAYMAELGDVDVGC
LDCSIATCCCAGLGCCRQKLSGSDGSIAFLNAGGTIVYKHLKEGETVTVDTGSLVGFEDS
VHMGIIRFNGSFCTCCFGGEGCFSTTLTGPRVYMQSMSFQRFQAAVMQTIITEEERGGDSN
TGMEDIATEILGP

>comp16997_c0_seq1; 343 1 772 LEN=772; translated
XIRFDSIQMDQDAIGRGECPDRDNDYESSSSSMFYGADEAPIFGSDLCGMFEDPRASQ
TDACAFFCCGVFLWQRNKDMLVLEEEEQQRELEQDENTSAKANAEESRSLSLWRFFETACL
VLLVVAIAAWSLEDSADGHLFSDVTLISSGMLVLGTVMGIWFQSRRSFRKRLAIVEYY
RRHGRSAIHKRGDENDHDPPELAAFLQAHHREIYGDGAHAFCGCAGSDNGCFGTRLRQPT
GIAANRSGGTDDDDDDDD

>comp16998_c0_seq1; 231 118 744 LEN=1248; translated
MGFIPHPSPMPIGVVRPHDIIVLLLLIGAAFELCTRLSLVKYKRKPDSIRQREYALKDLEIR
VRKSRALGPHAFVETSKLERQMLSEEKNSDLGAKRQKALEKSEKLVGRIGTALNFIVFV
CWYGI PMMEFSGHRVLSPTLLSREESAEMAASAFNSYMFPLSYLGMGVRISKWGLANPK
ASTGALLVVWSAQTTVGKIMDGLLETLDD

>comp16999_c0_seq1; 249 346 798 LEN=987; translated
MTKEEEEIEKARVSHLSPEEKEEELRKLNRREIAKLETLRGINTGELYTWSGRYKALVKNY
GFPLFVYYWTLWATMGGFVYLGIDFGGLDAMALLERIDSNTGWAVSEKVDPLGKMGVAL
ILNECLEPVRLPFVVVTLKPVMDIISPCKY

>comp17002_c0_seq1; 207 1 242 LEN=557; translated
XKDKKDKKAKKDKKKDKKDKKGGKKEKKAKKDKKKDKKDKKGGKDKKPKKDKKAKKVKETKT
KTKNKVKGAKEKKKNKGSKK

>comp17003_c0_seq1; 264 310 1380 LEN=1749; translated
MKNAFLLALFLVAICNPIGIEAVCDANGTPTNGDLTTMSITEIACDPSLADTFSTLCNLL
IRTDLDETLRRTSDFVFVAFPTNAFVNARMTAGVSI PQITKTLQYHVSNDSSDLTCGA
RRDSSLTLLNSKTRSSSTRCAADGTTLLGQTGNVRTPRQSSPLPNFVAPTAGNEASVTACN
GKIRAIQVLGFGPMVYRFGSNAPCSFYKSKCKAGKGGKAAKAGKKGKSYNYPVIEVEEE
TVDGVTFDHFVLYGKSSKSKKDKGNGNGNVNRSWNGSRQQAQAQAQAQRNRDFM
HHPGLEYMYNRYFGSSRYGRQRQLRGVISPDEYNEEYQLQSPYVSVDAVEYEDHYQ

>comp17008_c0_seq1; 179 147 959 LEN=1287; translated
MPSTRKPVITSVLLGIVVAF CAMPRASLGFTSTGHLQNTFEKNQGSKEQAGPRGAETNGG
SRRGFLEAASASTASAWLLPLAVGGTAAAPPARAFDNRLDDRYASAIPQTGTQPPDLGHS
QRSNYFGLKSCGNPNCWNSAPKANIPARWLPWEAPKGS SIADVKKVVDTYEVGQNNV
DGGGFRVMEYTNSSSEQYLYVQFQSYKAGYIDDFECWFNPESQKFDVRSRVSRYGSDLG
NAIRLEYIANRLETEYGTWFERRKNGKLV

>comp17014_c0_seq1; 115 1 398 LEN=398; translated
LAQHOREGYCNRDFLFQKEIKQESHGIVATATTACQQRDSGYTALPPACNLIPSMVLP
IPAHEPYRRRIAYEFGVVVGGT DYALQTFESQAEENIVGPDVPSSSKCFLDDDGVMEQEE
SRHGDKNLQQQQX

>comp17015_c0_seq1; 241 63 314 LEN=915; translated
MFGSGTKLNEASYKTMFSSFDKDNSGYIDKSDLKKITKGILPANGVDMIIGFVDKSGDGK
IDFNEFKSVMKKIETAKKFNLGK

>comp17016_c0_seq1; 210 1 596 LEN=705; translated
XNSNSNSKSGAVRFAHEFFRRGQPELLHRITRVTKSQEPTSSEMKSLEKEDILELRKDIVA
LSNRFDHRLQAMEASMEADYQQRSTDLAASYQALYAFYADRGAACLVGASEQAGATQDAPL
SAAAGPDREEVAAPASSTPSDGARTAKTPVATISESSGSIASITSSNETGMESSSPERHK
LSPLMTLSGVATALMKHS

>comp17019_c0_seq1; 179 1 124 LEN=403; translated
XDDDDDDDEMEDGEMDDDYDDDDMLDHEEEDLREVKRIKVR

>comp17020_c0_seq1; 407 198 980 LEN=1028; translated
MKLVLLSSVVATASAFAPMSAISINTALRSSTEEQLEVS AVEEVEAVQEVVAPTPI NGWV
PDEGLPCYGLPGAIAPTGYFDP IGFARDGITLNEVKRNREAEVMHGRVAMLACVGYLAGE
ATGGPFGLVGPANDQLQOVPLPAFALMTVGI AAAELNRARIGWVEPNFGSWSSTLWKLRE
NYYPGDIGFDPLGLKPTDAKAFRNMQTR ELQNGRLAMLGAAGMCAQELVNHR TIFETIEF
YSKVYSGENPYAACGEGII C

>comp17021_c0_seq1; 131 1 531 LEN=718; translated
XPVSIHRDYRSTKSGKTI DKSDLLGXPIFRGPLARDDIDMVDFDFTRKHRDLNKESPEFR
ENDLRHASISKSSPQTPNGLI IEMRKKPLESGSTKKEFFVKEVVNGGLFHKIHGDRIRTG
DRLVKINDKPVVEEFASLWDINNYLKKELKIKIYVKRDGLHLEEKVWGKA EYISNKK

>comp17022_c0_seq1; 217 50 721 LEN=879; translated
MASKIASKAPLLLAAGGAYVAACYIGYSSISKNKADYDQTLQAVEGGKFSFVENPKRNEQ
YQNVAHKYDDEIGKEESVMGIELLRALLYFHAEGTVLELAAGTGRNIKYYPSSCDRVL M
IDSSENMIAKARQKI SEVSNEKTSFACMVG DSSNLGDFPNRCFDTVVDTFGLCSYDDPVT
VLKEMGRVCKPDGKILLLEHGRSKTWNFITNYL DKNAERHAKNW

>comp17025_c0_seq1; 199 1 1011 LEN=1208; translated
PPRRIVSILPTQDTASTVLYPVLARNQKYKTTMMHTELRSTSQRKRTTRTTNSSIADDST
NCHDLSACDVISMRVRRRHSFSRISLSPSNSCTVAPPKPLMLLFVAIASFFLANKVTPV
YLSAAKNEWIGNSLQYYNRITRGAEHVQQSPTYLKSAMENYFALEKLRNNKPRHAETIY
RRLMDEFNPRQGFVTKPAVDSMHADAEECEFSQLAVPTLLLGLLLQREGRFDDARTVFE
GFSHVLEDANGGKAHACCCSARVLQAHALFEMKQDNPVKAAELIMKAVRMDKNLRSVLRW

KLRFREAMA EYRKYQRECRRHHTRSELNRQVLAVAAA
>comp17028_c0_seq1; 174 210 518 LEN=994; translated
MSSSASRIEYSEKYADDINEYRHVILPKELAKTLPKSRLLESEWRGIGVQQSRGWQHYA
IHRPEPHILLFRRPLGTDPQSGRVDPEMERKAREEYRAQYKR
>comp17031_c0_seq1; 979 1 2488 LEN=2614; translated
XRFLRYSSTPTVDVTRGGILVSAEGSGCDVSVVDSILSSSAPSRSTPRRLLAASAVAAGF
LSSHKLGLIAVLCSSPSLVPGSFAFAEAASSTCTPSMEIVLEAPPYYLGSVEECLRSV
SNPDHCPEPFPEFPICGADDRELAAPACKLAVVGAGTGGLYTAYRLVEEGVFEGSDICIF
EATDRVGGRIYSLRGGFPEGDISVDAGAYRTWPDYTPPTHALITEVLGFDVECYDEDDPC
TKFNI VGETGEKIGFASFVEELMSRLIEKGACFFPRHNLVSVAHNNDDAETDGYASNTLT
FSNGVKTRATHGTILNVPQRALLEILRESKDLFSSSSSSPSSIASGTNLDRSAREEEKRT
YDSLHSVQTEIVTKLYLYEDAWWYKLGTLQGFSLPGDARSMLLEGRYHDGHVKEATD
DGDEKCYGFLAVYAHDFSGTKAQYFRRFQRDRPEPVTILSDTNPEEEDFLRHAHERLVD
YHVYGEDNARLLNASAYS PFQFRKIIESSPPTFAVLANWNTAAFAGGGGWHHTDTANA
EKAMKPLNPLGIHVVNEAFSKIQGWAEGLLLADEILEEHYGVARPWSFEVPPQSIFYLAQ
TSSEECVAGDDAGSGQSGSSSSGGAGPVAGELDLCAAGSLVEMANGNLVPIEDVEEGD
SVATGVGGKIGLVTEKLVHPVRMKEAKKTAWGAPYRTRRWSDVVVVPTHEGDLVGTDPHP
VLLGNSSEWMEGLDALERNLLAVGARRVSRDVIDIFYNLEIDGHKVYKDDGRQAQQSPHSY
VVNGVVASGLGDNPLLNRLFPRQRFLEEQSKHHHDIDLISATSIVDKT
>comp17032_c0_seq1; 166 159 398 LEN=398; translated
MKIGVIGLFAVQTICIASIGVRATDDEGFWAAYVDAVASFPPTPSPTPSPTPPPTPGPT
PPPSPGPTPPPSPGPTPPPS
>comp17033_c0_seq1; 185 140 604 LEN=694; translated
MASKIHTNNEAWTRDDWLRSTRALCDAFANHGTVEQIINCFSSSRPDDILLFEHGLPELA
PFLGRTRFGKQGIRDYFGIVSKHLSYKDMTFSDYILDKELRVASVRGEAKFTWKSTGKSW
KEVFIYRIQLDEDANVMVYEVWADSGAANLASLK
>comp17035_c0_seq1; 352 1 1497 LEN=1786; translated
XLNIARLVIRQKEISNPLTPVFLTVMGRIGTINVTRKRSRCEFLPTVREMSRNDETNDN
EVSHPWRSVAVSGKDMAVDLIFGKFFLQSYGTKLGEALIEEVQEGQLVQIEAKTNPQQRES
IEKWIDTNCLELVP MNCQLLSCGSRSYGDSFDKGGLOTGRKPKKTGSSSSLPTLTLSDIY
QGNSSIKFVDDARSISEFSSDIAKLLSEVGDRPSLSPYVVIDCEWQPREFMEDKKQPQPV
LLLQVSLHALERVYILDQLALLRPLEESDTPFNQLEGELESECLSKLMKSNRFIKVGYQLS
SDLRRIFASYPHLPCFQEVHSILEISSFIKRVLRISKQKKSRYITMSLAAMTSHYLGMA
L DKEHQMTDWA VRDLTPRQLEYAALDAAVPRLLEEALLESIGASFSDGPRGTEVSSCPVP
RRHEGDAALEGXGRLGAVPPALGGHRRGDRRRAGGEADRRAVDPFLGLEGRGPAAAAAR
GPLVLPALGGAARHATVQC
>comp17039_c0_seq1; 98 1 567 LEN=739; translated
XLLYLKLHHC PNQDASVISPQQDDCANTVIHQRTTPHTFSKKDEQLATTPVVNKTTLK
SKPASWTFEKMLAGFSNNFRMWPMPMLVSAKNATARQPARATFRVLP RMTKHEIKEY
LTKIYGLPVQKVNTANYLGKRKLV RGSRQVIRYKYADFKKAVVSFDRSFTDVGVGLRIPE
IDDEPEP
>comp17040_c0_seq1; 448 1 715 LEN=715; translated
XDDDENDDDDTVSEYATKARAFYETFAAAAAPRLWSRMSHPFLKSSDENMTDFIAREDDDG
AGGFVGEGETDERPSALLHRQLMHSMGEDSDENDLVHKLQRKYAESEEDDDSDGTEEEL
ELVDHKDEKEEDKDDSSDSGDADADADTDNHYRGYYSPIEEEKDEWMLERQSQRKRRPSP
PAAGGLGSTDGRTKTPSRKRLVRRKPATPSVAAAGPPSSGRKRALRIQESSSEDDDDDD
>comp17043_c0_seq1; 220 1 403 LEN=403; translated
XGGDDDDDDP THALYVVG SVIGSSPAFGEPESENPEG TNRKAGFVTKLDPDTGDLSSRR
IRFESNDGSGKASGDSLVDTYVEAVCEGAGDGDQDDAIFVVGSYARVPVQGNRTRSLQAET
QTDDGIGEDDDDDDD
>comp17048_c0_seq1; 388 133 1409 LEN=1409; translated
MVDPDAAGSGKKILAILSGSKVTVDLPPSPILGRENSSDADPGVRSFDPYPQSEDAMPI
SSLAWNHNQMVIATSSGIPTDEFAHDNVVLLSSQSGQKLD SFQHDWGWKQKRKFALQQEQ
QWQESSTQGSIVNSISFGGKSRYLICIGDESGAVCLWDLKKKVRVRQFFHNPIGGAGDNGG
KCNFAGFSSLQVSLDPTD TYVM SLSPRAMYQYNLRDQQLLGSLEVPKDDDDSKDKQGTCLF
TVFAISNLEPNICAIGTSGGNIYLYDISAPHGLDQTSTPHAKI IRRHNGRVTGLVFS PEN
PNTFFLSSGTDGIVYVHNKSNGTRHKVCSAPDTNNPIQTL SLHADGVTCAIGCRSGDVVY
DLQYI I KGGDMPAPLLATHQSSDPINSLVFAPPPKAKDPQPKSGIPSEQHNEEKVTQQK
EQQQQX
>comp17051_c0_seq1; 78 167 374 LEN=374; minus strand; translated

MLQIFALRDETQFHDRNIDLLIGWDSQEKVPAVFYRDCWRKTQQCSIVRSNSLVTLHGLC
TALHGLATA
>comp17052_c0_seq1; 109 1 341 LEN=341; translated
XRTNSNESHNKSTMKFGSFLLLTCLAASGNAQLRDGSTAKRRRVEASSESNVIDLVDEIP
ASEINKIKQRYLRRQEGPLPVSKFTRVYPRISKVFSRMEESDDADDMSMSMSMS
>comp17054_c0_seq1; 148 1 425 LEN=559; translated
XPVHKTVSRKSLKMGVEKQIISEGDGATFPKAGDQLTMHYTGTLTSNGKQFDSSVSRGKP
FKFVIGIGQVIKGWDEGVMKMSLGEKANLQISSDYGYGARGAPGAIPPNSDLTFEVELLA
IGNQKSSSFASSSGSSCTVM
>comp17056_c0_seq1; 132 99 341 LEN=1009; translated
MMKSLTALFVLRVIDHSIYADTSSHLLPDYSIDGDDPHALSERMSGAWVNGRIMVNETE
SNAGSEAQSNLPEVEWSSTSW
>comp17059_c0_seq1; 254 104 754 LEN=865; translated
MTGNSLQLFLFLVVAASEFYSRVEVANAFSISQPYSSPFRTAKSCGEHLRRNTGQMFSIP
PPLSPISNDDYDYDDFTTEEVNMYNVIESLSQESNDDARRARLKQIMEVALAGPNGGP
KRFTVLFDRVLTQMGEKVQDARQEYAERSAAAAQNTTEERSNDAPPDDPPSKPKPNEADG
SVEATPREKTPQELRLWALVDMMIQSKTIKHKHF
>comp17060_c0_seq1; 147 121 432 LEN=679; translated
MMNKATAKHNPITPNEVSKKLVNAFPDAASTGKRVSQEAATAISEALRLFVVDAYQRAS
IEAECDFECAFEDNNDKPADDIRTSIGAHHVTRITADLLMDYS
>comp17063_c0_seq1; 181 196 1149 LEN=1451; translated
MSQDLIDAGIDQYGSRGGLPCGNCSLEGQCARPDHQPASTDEILDVPEKVHFTSGGTNP
QKRAIKSILVWIMFQFLFIGAIVAAAFCLLFPALHEKQNGTITNLGGIHIPEPFSKSST
PEPLAPPLEIQEKQNVGEIPEAPITPDTPGVERQYITKSGLILEGYALQGGSEFEDPES
YNSRALEILLNYGILVLGKNDLSLNFELKLAQRYALLCLFFSTSGNQTSDATDSAQESSWKT
PWGSPWDSDECDWPGVICSENKLVQRLDLGGNLLVGELEPMELIILNQVNITAMDFSNPR
LGKGGFPAMLSEFDSLKW
>comp17064_c0_seq1; 207 24 215 LEN=215; translated
MKSALFATLVAAVSAFAPAKQASTSTAIKAFESLGAQEPLGFYDPLGFVEDGDQAKFDR
LRYV
>comp17066_c0_seq1; 132 482 763 LEN=763; translated
MDFLRKKVSGWKL SAGEEQTDDETSPLVGPPTIGISAGQVREDVHYMESRGDIDLSFLRFH
AFDPNGHIYGNLNNYNNQHGDNYNDSSNSNSN
>comp17067_c0_seq1; 162 347 807 LEN=807; translated
MMNCTDEESETXPNAGVKVAVVGLADTATEEAPAVAEVEFFQLQREVRVFHFLGSPLYVA
AHDLSHDHDDQNDVERHDHHDIDDDAPRRGDDLPGGAGGFWKLRIDKPAHHTRRFRAAH
GDPTPDAGNGNENHTGKQQHDANRGVAAAATATA
>comp17069_c0_seq1; 150 74 294 LEN=294; translated
MNLITITLLSFVAAFALANETGSSSVAVELTDTDPDERDLGGYPAYPAYPAYDYCYEICNG
RGGKGSKGGKGSKG
>comp17072_c0_seq1; 185 306 426 LEN=426; translated
MPVGAKSAFQFGNSRETRTLSSAAPDETEGFYDDDDDDDX
>comp17073_c0_seq1; 292 1 1178 LEN=1293; translated
XQQQHQQQEEERKAEFDFIHSSQSLLEEVRLRLRGYSFVRVAVHGDTPTMVATRKKVLRYE
EVLVSGNRSALCILVECHGIDHSECIGNGHFHSSGSGSPSRWCWVVGTHLDAFDGIQRAE
EIQTLLSARLGERDCERTRHLPVLVMGDFNQQRSGDYTGPEWNR IAGSAGLRKVPLDDGV
AGLLEGGKGFRCVLDAVRAGSGEAGEAVRCNWDPHQPPPSTHWSGTTIDYTYRCPAGNSGG
NSDDSDAEGSEPEGRITVHPHGVYVGPAGFSDRHMTVTDWTLATTKPTGRGKMQQHPHQ
PQQRPPRYMDKDFFRHLPAGRHDSWRCAAAAPDRTPEGEPLRGRPPPAFPACEKGS SSR
SIGSTASSSSSSCPSIGSESLHELFRPLCSE
>comp17074_c0_seq1; 40 1 210 LEN=210; translated
XTRHDTTRPHHIPMISSARHSLRTTAGSLSHRFAARIAGTGPSSASKRPATAAAHGLWK
DVDVNVNVNVX
>comp17076_c0_seq1; 139 91 372 LEN=826; translated
MRATLLSRTRGVVAQTQRRGMAGGPIPARYKVTKNKFVEEWNGRREITEKIWECDQKMAA
NLFLYVVAIPFGFY SITRGEFQSKGDRRYKDCV
>comp17078_c0_seq1; 366 456 1406 LEN=1776; minus strand; translated
MNDFANATFP TISSSSLMRYPN SFFHQESLIHNEVIPVPLSQLSMQMESSNI IPTSSTV
VIGKGRVPPKAPGNRKLRLSLVQDKVQDYVNAKSKMVKSSIVTDIYFAIEELCRQEGSAPP
FVRYNGTGYSKTTESIAREKITS CFRDCLH DRYKSSSKNKVAKRRLANKEKA EKKRMKRI

EDQQLEFLRREMLPMPMPPILESSMAIHGIQKRLVADDSQHQHRETQHDGRAKPOIQTS
DNLIHNTPSYTFNLQLOPKISRIGTFSTPLFEFVTTTPVDRSFFEKVPVVPDMDCASTCS
SSSSYSSKCTGGIDGY
>comp17079_c0_seq1; 194 209 598 LEN=598; translated
MSGFDELSQEGNGVDVVDVTIATKALMTPDGKCAQHPWVELRKKDPSTGQTYQLDTCPEC
NEQYEANREALRRRRLLELEKQLQALENESIDLATSRSRSGSGERETGGTGAASSESSQAY
RPPLPQQQQQ
>comp17080_c0_seq1; 73 1 238 LEN=489; translated
XPPLWRAEEDRSAERDLVIGIDPIDTASLLPPGCCWEARSPMLRRRCWGMVTLCDPFVVE
PSVAREKDRHLDCRRSRYA
>comp17084_c0_seq1; 194 141 257 LEN=1034; minus strand; translated
MNKDHCCNNDGSNIIGPLTEATTTMNNDDNYKEEEIAII
>comp17086_c0_seq1; 191 507 1085 LEN=1240; minus strand; translated
MNLVHPSNPVNYPSATKSVRLRNNVQRDVRSDIPFAFARFLHVLKLLNSPVEYQTYPSL
TWHPCGYERSTVEHLLKTQFGAYLERVKTTCQAE LRRLLRDGPVWLTDPHALKLPAG
EDKETTTITEATTTTPATDTHVCSLWYAGDNTVVS AKLNGAVEGGDRENLWNLKEFLVE
EGKEPGDDDDNN
>comp17087_c0_seq1; 324 198 1109 LEN=1470; translated
MANRMLPLLSTKLCSRSAATKICRQSIRSFSGPLPHTPANRRNDKDERRQIHTTRPCNADV
ADASPTVSSSTESSGIIDRFVVTAEVTVSKIFPAGFGWQTSSIIAENQFGFAPDTLNFALT
TGAGDAIGVLGGHCLYYTAKKALVDSSINMKSEFQTGVLLGSAAFCSGTAWQPLVDALQG
ANLSFGGVFAGT WVCGMAFYAGLRAGRTILSGYMSHIEEPTYENSKADASLSCVIGGAT
GFFVGTDAAYLPNQNFLINIVGIPDGTPLDVGCGIAGSS TALGFLTSQSVFNVIYPTGKC
WND
>comp17088_c0_seq1; 407 112 1635 LEN=1696; translated
MNPTSARSANLLVLCCLAQQFLSLLDLVGGFQHINPDFSIRNTRHHLHGSGLHAFKVSVD
ELEKDLTPSERSITGVVRRRCGPSVTYVKSVLPSSPTNGARNFQRTRNGPRRRRSNQNES
PSNGLPRGTDLGS GSGFIVAPGYICTNFHVEIQAYSIRKNLELAEHTFDEVVGNLTGGF
LSHDLNITKSVVFQGALDKDSLDPVYVRISSSSQYKKCRVVDVNTDIDLAVLRIIDDIS
EPSKDEEEKSPPSDTTAGVDFIPFGSSMDLLVGQTVVAIGNPFGLQSTVTSGVVS AVNRE
FRAGTARTPANTPIRNVIQTDAAINPGNSGGPLLNKGEVVGINTAIITTS GSSAGIGFA
VPADQIKPVVKEIIQKDRIQKGQRPNQGWLGLSVVRQD VSIAGNQ NATSSNTMPLALLKN
WVAKVEMDSPASDAGIRSLAISSEGIVQYGD AIVAVGGNEVTNFEE LHRELESRVVGEQV
ALTVQDAEGKRRVVVYVTL SRKPEKLGL
>comp17089_c0_seq1; 334 21 1088 LEN=1256; translated
MSSSETTTDKTEPQRTKKTAVVIGATGYIGSAVTMALGDHGMSVRCTSRDASGARWLKDL
ASDVSVELALS DTAGEDTAKSLRSLLRGADMAFFCAGFEEQSPSTIDFMVSNALALVDA
SRAEGVPVVLTSSGGSTNPPGGLPSSVPKSEVLHFS DPPEEQLRGRYSPA AKTRMEARA
FAAVGRNHANEVDPVLAGDPATPRLVINPNLVLG PQLDPSPTVKGNL PVMARILRKE
AMADAVPNDSMSIIDVRDLAELHVAALDEAASGRYFGVNR SYAWREILGAFQRVLAERG
GRGYSPPPLKEGEDYDSA IPTQFDHTRKNSLGVTLRPLEETLGD LVDVFLRAKGAI
>comp17090_c0_seq1; 251 191 568 LEN=930; translated
MSRTSALFLLAAFLSSSINAF TMQTARSVQGAQLLQSKNMLASVLKMSEEEEEAAASKIS
ADGTFYDDEIDSAPIKTGISDSMRQRLMAEASTGLDSEKKQTNVILYICVGVAAALVVLGG
GGILY
>comp17091_c0_seq1; 128 1 314 LEN=314; translated
XFVWWRWNRFDISF DAVIKYFASGYVIGVFQAFMVETIMSI PYGVFATIELSSEVVSEVG
QNATDPTTYLED RKNVAKMMKDYWG VNALYLFVGFIMAA FVEEVX
>comp17095_c0_seq1; 348 1 1130 LEN=1217; translated
XRNHKIFDRSEEQDTQIDQNEGEKKQRRAVFRNSCMLRRVGNRNGTARAPPPTSPDAGF
NSGIGISED LGIVSTASLSSLLIGNPSTAYKASADPLNALI PAGSGAVLQQRATIERSNE
WREGSPRLSTQLGLSRIGTTREDESSRAIAPLQQLSPFSDREL FYPSSLAGEWTVRSTL
QQKVFPFGPDFVPSHSLVQGS PRNRGEQVGD TTSYTVRYISENEKTIADRAFNLVMSRS
YQQLSPVIADSI VWSARDPTRLTYQTEPIAADMRPVGPRKAEVYLTARKTEESSSGFAA
AERSRTITVGTGSVSANDQEVITEFLPVDGDTVRAVSRIAIYLT PNPNSREGVLWQQVNG
KAVAFYDYEMVMERKK
>comp17098_c0_seq1; 280 1 1344 LEN=1732; translated
ERHEKPILLYLPGFDGTYVCPFLQFPELGTEFEVWCMTIGMEDRSTYDELKSVVLDVLR
DLAAGHRAAEAVPAGASSESRSEGESETEEA VPPERAPAAGGSGRFSGLFGGNGRKAGAK
TTGRPVYLAGESFGGILASDVARTLLEE QNAPGGAGGASTVDLKGVLVINPATCYDRSQL

ATAGPSVASAPSPFYLLGLFSLVPLFTDEFVSVEQLLLILLSAKGLPSVIDTPRREAYMGR
VAFSLPTKLGYSASTLSWRLDEWLKTGCASTRRSSFGAFPDFRSLIVVGEKDKTLPSIA
EAERLANKVMNPGKTRIHVVVDGAGHASTCGSRLDLAAVIRNCFPELQTPKGRRKPSRKSR
GEDPEEELLEEDANPKRTSMKPEAAGGSGPRFGMEERYDKADVGLNPLFYWSKSHYRAVRQ
DSQQRKVRVPGEAPSPYQKAVYTVQE

>comp17101_c0_seq1; 651 163 1449 LEN=1560; translated
MPSQQSTRSSSHKTMSSGLASVALVALSSCSVEGFSPVSNAALAPPKTQSTVVVTSASY
GRDRSTHLKMSSDAQDEVAKLKEMAAKAREEAAALAKELGYEDEDLGTKGASGSSTAAPP
KPSKTTEEVAASIRAIDFNSGSASDQVSALDALRSEGSLSLYKSATAEAGSGDLRSYPCS
LGMLENRAGLTSEKLGIGEEVSLDDFKYGTLLWITGGCTVAGIASLALLPENIGATLCYF
LALIPILWLAVGSTVPAAIANLILLVKGNDDGGVDRTDRVCRHEAAHFLCGYLCGLPVAS
YATADDSVPRVEFHYSDGAATANRELTMDENVNALTVVVALSGAVSEAMAFGKAQGGAGN
ADLTELQNI FRKSEQFLGAEKQQDMTRWGALTAYRLLNSNSKQLNALVEAFRQKKSVAADC
VAIIIEKA

>comp17105_c0_seq1; 874 151 2308 LEN=2308; translated
MTSSNSTNCHTGPLPFHKLIVAGVCLFVLLHSSGLVNSFGIHHYPPPTSSQLLDGNSLK
LSQQKRILQRRITQRRRQICYISNDDTDETEDEYDSMMDYDSDDDDFDVAALNKLTIPO
LKQQRLRLRGMKISGNKQELIDRLAEKQTESANERVASMLDEEEGGKSSPGTKRKIPETKA
QKFAKEQKGFIDVEAFLDEEDKGDVKTSLPTEEQKRSKEDEENAPLSNPEVWGSDAKI
VDDYEGRSPVVDGLSRTIVEYTGSNQTDIQAIVVASRDAMKPFLEGGKNRTITNSDPLKR
LREIQSKRERAERRPTRMDDQGLDEGDPEGIYKDAINRDFSDWGEFTATGAQLSAEEVQ
GVLILSDVYGPFTTEATKNLAEKIAFECQPVVCMVPDLFRGRPWREDLTPGFNQEGQDYE
TWRATHDDLRSVDIRASAAILREQYGVSSLVVWGTCFGGGRALEIAAGYLPRGQIHDVD
GTIGPVPVRPEVVVAWYPTRYNANLLFGKDRTEQLRICEEPGRNFVAVMGVFAGKDTLEGA
TPGDAEKLKSLLEDRIKDHMIKVFDPQEHGFANIYGRNQDETELDRLFVDEEFGGAGR
VTVNDGDADVACLSTAFMETYSRKFLPTTGSPVAEDEAEFQWNSLELNMKDLSENVRDV
RTEIDDSLNRHEDLPLGGKYIDPGDEEAQDELFKALQAMQDPNSESEFKINDDDNLETAX

>comp17107_c0_seq1; 88 1 783 LEN=1231; translated
HQTYTYHRHTGGYFVAFPSKRRPTPPQANMKTTPRPAALALAVASGGLRAVFLGGLF
RSGTTALADVPTFHPPVEDGERAGGSGNTQRGPRPPIPAEYLEGCRRSFGDPPQLACA
TCNVLPEAHRSGCLDCCRPYRTLDKRSKRYGAAVLVNTGQPDSVRELLEEDRATILSRKG
PDRFAVYGDGGGMDPLWSVFGHVREPSAILWFDRPPPAGASLEELSAGADEVTVLSGR
RGLGRDDLRLMLLALLPDTE

>comp17109_c0_seq1; 146 1 362 LEN=362; translated
QQQQQQQHQPSPSRKATYRNRQQEETDPDFRRGAGLQLQQPTPYTQAAAAAGYASSG
GGRGSGTMYYPGSTGSHHRVGYGYGQPQHQLQQHHQHHSYHPSQQPQQHYQQQQQQQ
X

>comp17113_c0_seq1; 469 99 1202 LEN=1220; translated
MAAPASAEWNLDWGGYYNSHVGYVTVDSNTAAQAGADFDGVDVFTNAEIHFTPSVTLDN
GLTFGINVQYEALNAGGGADGIDESFLSISGDTLGRIDLGAENSAGYKMSIGAPQVSGGI
GINSPSVSGFVPIAAGGNLPAFRDSSGSISSYAEVLGNNDVQRITYYTPSFNGLTLGVS
YAANAAGNAVNNFVGNRNAGVTDVFDIGLAYSQSFNGVDVFAARWGTAESNVVGTSDPE
VWNIGLNVGFNGFVIGGGYGENDNGGLRAWDSEGWSLGVTYDIAGPWSVGFDTYQGEYS
IGAASGDKAIEYAYQLVGSRSLSGAVTWAVYAAVEGVSNAADVATFGNANTTVEGTVIG
TSVNLSF

>comp17114_c0_seq1; 326 688 1402 LEN=1402; translated
MSNPWKASTTTGSKPQRQRQEQQLFREEETALLSFFRQSDFDLLKEKPPPTNPDAC
AHGPGPGGPLVAPVGRAENDGSRNGGPCSTNPFDDAFVPVRAARRDESTAGARVGSRRTH
HSFGHSRDRGRNSSYHNSNTRNPFSSPDGPTDELFPPLVPVSPASTDSVATAATAV
PTGERPILPVATAVPNDSTTTNTVPFAAAVPIESVQTVTDAEACGDADGSVVPDSRSRX

>comp17116_c0_seq1; 146 1 696 LEN=806; translated
YRLSPRSQKPNTAMETTKTSAGDADSSGSGTSVEIGFIDYRDESQLEHVDRLVAVDLSE
YSIFTYRYFLNRYPDLCILAVDKSSEVCGCVVGKIDVETNTSVATGDHSNVVLDLDAESS
DLDTSDRKNSAQQLCEDPTAGSAANYMVQTYIGMLAVSKSYRRKIGKDLVRQVLKR
MKARRCTSVTLETEVSNVTAQKLYQDHFGFIREELLVRYLNCGDAYRLRLW

>comp17118_c0_seq1; 612 62 1804 LEN=1886; translated
MASANNANESSGPGFNTWTFGDACESMSPLNSLHRADLVIDEGENEGDNEKAGADLLFVC
HFSRGAETASSMGLDAETHASISSLLEEHAETYKNGSKEGSLTPTLRTMDGRTKTQRRLL
VLVGMGEKGDQDPSRSAKIGRSLGKAIATRCSEEASPKLARAALLPFSIGAGEAQVSC
ARELAAAFYSGLYADHRFRGSLESIQKPTVPARHLESVALRGYS DAGAGSSESETGSFET

AAMEDAVATGKAIARGVHLARDIVNAPHNVLNLSLADLARTIASESTDGCLSCTILDKD
DCEKRGMGAYLGVARASETPPRFIHLTYTPPTTGASGPNKKVGVVKGKLLFDTGGYNIKT
AMMELMKFDCGGAAAVLGAALTAAALRPGKVECHFVVAACENMVNDRGIVPSDVLVASNG
VTIEIQNTDAEGRLLTADALVYCDREVGCEKIVELSTLTGSCMVALGKEVCGVFTENDDL
AGEIDAVSKATGEPSSWRMPLVKSYEDQLRSKIADINNYGTRFSGSITAGLFLQHFVDTKR
VPFAHIDIAGPVWNDSSGATGFGSRLVSEWIRROGVAGGA
>comp17119_c0_seq1; 253 73 573 LEN=972; translated
MNLNTLLAAIALVVGADAFSFSPENGTNAKPPTGSGVRRAAFAEVTATAAAIAGGSLLI
SNPGTAVAATGPEVFGVGTYPDPINHPGGTRTIKLLDQKIGDYQLAEVRGGGGGRGEPENY
VLPAAIIGDRTIVIDFSPKGGPRDFVIGILQNGDIKFLKDGNRWPRQ
>comp17121_c0_seq1; 460 1 1417 LEN=1581; translated
XNNRKMVRRRGAFAVLLATNLGAARVSAFHNRHHHRPHTPPDAGNPTAARRRSGFGAS
ATTLPSRLSYAIDVQEHCPDRDPTMEAWVYECGVQGSGLRLVGEADETNHEDYSLSTEE
DIPANSPVLYVPSEMVLSAQRAMEEFGQLEESEKLITSLNAESELRHYYLMVKILVEWER
GMDSPWYPWLNLSLPRYFSNAASMTPFCKYKCLPSLMSILAMKERANMNHLMIKKVPFLSVE
TRGNADLWAWAYNVVYTRSFEANNGSGDLCIAPMADYFNHGTETEVEVMGYDAEGNCHVQT
TRDVPAGSPLRMSYGDPTNPSFLLARYGFLDESSPATFCKYIPPHVNDLREMGYAHRM
LFFKDTGDASEEVDVLLHQILSSSNIAKKRALYKAHLDDGDYDTKRMLHEQYYSQTSKLL
MEHIDTFNLQDDLSAKSVGKDVNEHPRLPLILKHNEFVRNTFLAVRSRYFE
>comp17122_c0_seq1; 277 1 1315 LEN=1315; translated
XASEEILALALAIATHGGEAVCLLCKDASHAEGVSDRLRGLPKGSCAPIGVGVCPSDDT
WARDTAPTFVFCRGRNDQRNRLIGMDWTFNAYGGPEEGAYWPCKRDQRIARAICSETTVA
VDPALRGAHGGLGSGSLAGSLSIGSLSVPLVLEGGSFHTDGEGLTLLTAECLLNPNRNP
HLSREDIEAVLKRALGVSVVWLWLPYGLRNDHDTNGHVDNFCAFVRPGHVVLAWTDNEDEG
GDEEDGDATNYERCRAAQKYLESHTDAMGRTIEITRLCLPDPPLAYTEEEAATIGQPSTG
DSDAAALARLPNEPMAASYVNYVANQAVLVQFAAPGESTDHRSLRETDQRALDTLXA
SVPEPDRGGGAEPNRPAGGREHPLPDAAGSGVCRTRGFSVAQACDTNHWKGRHRIKKVF
KNHEKHAVTFQSVGPYSME
>comp17123_c0_seq1; 211 1 673 LEN=1189; minus strand; translated
XSIDEMQREREIQLGISRACATMNDLEVAANHTKELERLLTKSVDQGFPPNTPETEQLRM
CVQSLGPVAGTFTLASDQSVESLLSVLKPRIRAIIVTDAVGS DHGASHGGGASGFSSVIVG
GGITKTSTDRHSVRMNYELDEDAYQLLEVSQSYVSRLCTLLDEMLVPLCRYLAPRLADSL
VLGVLGTVSKRLEVSLKKVRPRSLFLKLNHGLNASEPLRIIVT
>comp17125_c0_seq1; 268 1 1231 LEN=1259; translated
XRLKKIGGITTVAGSGDGIEREHLTPGQFLARLPLDPATGKMLVMGVVMKCLGPLLTA
SCLSGRSPFYDPPGERKESKKIRQWFSDSDIMASVRAYDSFWQKVS EDGWKNAREWAYC
HYVSVPAMIAIREVRLQLNELRKAGLVPKGDIITGSSSSRGSSRNQRVSSRGDLSPKAT
VNEHSSCEMLTSAVWCTAFPENLASRRRLGHFGVIRTKHEDNASLHPSSVLYHRDQPE
MSLPSDWYLYSEKILTSQVYVRGCTVLAPEQILLFGGYDLAQHGNSDNFDDNRRNNDYQH
RIRGVLDGWIAVDGGKSDETVNLLLQTTRENIEMIFERRIMYPKKRKYRGKDGLESSRAVE
DWDRDERNHDDR I IAGVRDMFESLTRNENSRIYEKEVDPPDDFDHYFLDK
>comp17129_c0_seq1; 308 1 994 LEN=1687; minus strand; translated
XRKRRQKNEKKQRKEARASALTNETDTEEPQYTTINTLLYDFLVFNLLLVLSFPQYLV
SFLWSRFTSKQWSARRKTVVVTGARSPLAETARQYAAQGANLILISHSSTSVEDDLDWL
VEECHQLGSSNVRYSADLSKADSAEQTLQQAEDFNETFVILNGENKSHGCLFEEII
DVHEIEDMVKGNTIGCLTTLHYALKHIPKTSRIVILSSTSGLIASPYKSVYGATQHAL
KGFCD SIRMELNSNYTERRAPKICYASFPELIGKNIHHQNCNIHISRMGAENPPMKTHSW
AAIPLQKAVHDLLEAVALGERDYGSPRHVKAW
>comp17132_c0_seq1; 243 345 1340 LEN=1454; minus strand; translated
MNHRTIFRQOC SRFLPANLSFSPRRKVRVRLDVP SRFSRQFSSLVSWDVEESSDKKTI
GIITLRS PETYNSLSEEMADEFRDLMFQLEDDLSDTEGNSINKNVGAIVLRGEGDKAFSA
GGNLKFLQSKKENS V HANVDGMLRFYKSF LCVREKIPVPVIGALHGPVAVGAGACLALACE
MRVVASGDRPILGF PFSKLG IPTGMGALHLLQNSSKLSNTQAGEILFLGKTLTGEEALDC
GLANRLVPKERVKEEAKQLALEIARTGHPVAIRSMARSMRLATDHGSGSLADCMYRDAHA
QAMCYNREDWGEGLRAAKTKRDPSFADYHSK
>comp17134_c0_seq1; 441 47 579 LEN=579; translated
MADPSNDDNDNVDAAKIKNDDDDFAPTTAVIMLGS MNFEPVATSDILSLKIQSPEEMSG
VLEEASSSIRPNLSLVHLLKSSSVSSLFDESILTSFYEG LIPGKEVNVHVLPE SAVLA
EDMPVQANDVDSIRTAMVMAGLMLHSEQAHEGSWILVAIKPGGETDDDDDEDDDDDDX
>comp17138_c0_seq1; 490 223 1668 LEN=2383; translated

MGDSAVLGLTRHAASRPAHKTFRVLRMAAIAAAVLATLCSVETS VFVAVGTGAALGSEGT
AVAPLPGTVPVATRNHHSATRD LASHSLVIGVPGSDELASPSLALSSLPHTNQATAERIA
XEGKASVVELHVAAGHRAPPAPWNPAGGQGRHVDDRGLAPPAPRPLRDASGDRRIGIPL
RPAAGELPKRAAPGGIGSAKDRKRGKDHGPNHPEAGHGDPQRRLLDGQVPSRRVLGG
RSQGADEDVAAKNGTDDKAPYNVISLSVLTASPLESEYHQSVRGFGNRVSFPDPRVGS
TGDAFHIMDVSFRFTSRHHKRYKEERFVLWEEGMRWGTGHSKTVPKHMPNGGQRTFLS
DEYFYVHFKMHDGSAALGAAVNESTGRFVRSGLNTGLKAASHKGWRGTFLDETEPD
RVSFRPPEPLSSAIDERCDSLRKAATSDPVSPTQGRGFGIPLCTLPWNV DASFGRGR
QVRSATERLGG

>comp17139_c0_seq1; 252 1 899 LEN=921; translated
XYNSTGTRERTMSILAGMINPSLLVCWLGVLGAGHNVAHAFVGGRTTHTARAKTTAATI
RKVQHSLNAAPKIKQSPEQKARRKELLKRDPYFKVDKLSGNI EFGAATKLVTDLSQNKD
ANKE SIEEWLSDNDGKGLALS I WDESLMEVLPDSVYRLQTMPLKFVTLELQPSVDLQMW
TQRAGKNRAGRQLPPIFKLNSVGFETNLRLLPGMVISSESLGIFIEVAGDLRPTEDGTG
V KGTISFQTKGSLPPLRLLPDSALKLAADTINDTIVQFAVASFEKG AIDKYNEFMQQR
S
>comp17144_c0_seq1; 66 1 863 LEN=863; minus strand; translated
XLLLLLLLLAAPAAHRNVAVRPRPRAGSGLGRRNEPTPHLSLAPAKGGRLSDGPLEGFV
D VKGADPPVDLEFLARRRRGDRRRRTGPQERRGQPGGRRPAVLAGRPNRDRVPA AQG
KLLARLHHLVDEV LGGQVVARSRHRWERE VVGPARGTAAARRELPPRGGQPAAAAAS
IRGASLLPKDVAASAQTQARASVGPRALAVRVTGVPARGPWAELAKGAGPQAGLPDAV
VPPVAPPQDGPARGLCHHAPRGRGRVPGGQGGEPGPGG VGGAPRRSDWARGSL
>comp17148_c0_seq1; 200 1 663 LEN=1459; minus strand; translated
AILCLMVCRMAATGLLFEILKSVTPAFLSKGLMAMFPIEEIQASYDIMNEFVVEDGLLQ
D QVARLFFITFHIQVIGIGYLGIDFLKQE QHRRNELVKMDIDIEGAVDKDGDGAKKAP
LHDAKGGGTAKNKLQRGIEEKKMKRSQKFQRTAAPFIFFTAVPYMVRVIGYGNINAF
AFACMRD DIHRAVRLYDLFDHDNHLVALADHSAPAGK KKKHLQFQ
>comp17149_c0_seq1; 545 89 1104 LEN=1104; translated
MNEPPIYQLIDEEEFWNIYGLRMAEEAGVGS ENENDRETQRR IASEQAYQE QIHAKIF
GAEDLEEENGHEDDDDCHQVGGGERSFIRGGGAGSKRRRREKQLEKWEHEEIDIRL
DASLLDSFPSSASESNEAKEQSPKNVSSSFRNTDKTVIIRVNLKALASRSDTVFAMAS
YRHLFQNTAKPCNGTDKSENIGESKSNPEGKLSLSLCDYPVESVKIFLRVLLSSPLTK
NADAPSDTE TSPPEHVIDCCRLAHYLQCQD LLD SIVDDYLMAEGSIDNENCRFLSK
LADEL SLPRLWEASVNHMLSSLD RFDGGGAGITKKRIDNDNDINDNDNDNX
>comp17151_c0_seq1; 210 570 1218 LEN=1218; minus strand; translated
MITYNRSFAFWRLIFRAHGSAVYRSVLP SMISVLAYFLYHKYNT EYAGFAADDVLHP
YAI GVLVSSSTFLIIFKLSQSYNRYWEACSSTYQFMSKWL DATSHTCCYHMQCDHY
NDIKPPS FYDYPELNLHLMTRDRERSHTSHIHDV DDEETKDDNNVGLRNRKQSQTQ
TSAPTENYPPM PSRKMF SARSLSGSIRSDASSGEYGRNAPKDLKGRSX
>comp17156_c0_seq1; 73 1 308 LEN=466; translated
XSNSNSNRNRNTT VAPTRGARGAAGAGAAAGAVGTTTEAAAGGTGTGGAAAGATAT
AGTT ARGRGTTATAGDPENASDGIGTERTGATEQC RAGRPA MQRRAW
>comp17157_c0_seq1; 79 1 788 LEN=788; minus strand; translated
XAAAAAAMLHAVRSPRRWLPWPGLGPKPRRCACGRPLGSAAPAAAPCTGVGAFGPKPP
F PRVPPSAFPVGYGGGAAPAAFRLPFAAFAVA AVPPERPRLPSCGAQGSRPAPGIS
ATT SLGPGSTTTRLLLRGVGERFRFP GGASPPPGGLGVDPVPLPREPAAFLLLPRV
PAGGQD RPDLDPFAKGHALLASPEEGLAGTGEGLAAVVS SKETTAGTRTDGDGNTL
GGTANPSGL AGGACAAPLARGTRGPEPPFRP
>comp17158_c0_seq1; 6 1 1128 LEN=1128; translated
XVRALLGAARKLPGAPSPACMPN RAGRLPLHEACRHRATAEVLEELVRACPEAVLLR
DGD GSQPLHIFCDRGGAVSSMEV LLEALLGTARGATMIAGKDCVLGKTPLEILDHR
KNRAAFASTVESLRSMSRERRRCDKNNNGGNRNNHRSSNHSETNHRMNNRHRNR
AADWEDPERIVG EARGTDFWRKARLLLLAEHASAGPFP PGKWKDGSVLRACLAAG
CCPPSLVEYALLAHGEE LSEPNARGDLP LHEVCAGRGD LLSAVLEAHPGAAGAR
NGDGVFPLGAYLGRDCLKPPT QKGV LWSLVETHPLAVGSLGLGPCLYPRLLSKLA
ARPNQGLDAVFDVLRDTAPVLVAQQ LACDRGNHSNLEFIPNR
>comp17160_c0_seq1; 130 309 704 LEN=718; minus strand; translated
MPVLVRYRLQIVFDIGCSPKSTGNAGCCLRIATEHSTSDGHRRAE GSRKRTRR
DGS LPPR AQVLGTKAPRPGTERSGVPGWAPIVVLGNAVLDGLPPGIPSDRNHR
HEPAGSSATRPVAT NPTEYECSFFS
>comp17163_c0_seq1; 465 270 1211 LEN=1228; translated

MTMDPERTPTPSTAEVAAPSEGNFEKSRSSKDFAKNTTITKPTQLSFDPMPTSSISKRRYS
ERSPSTTSVTGENEDSTAGGEDSSAESHLEMQQPDPSDIRLEMNPIGATENFADLPDP
EDDKLSPDEFHLKLVFATCGMELEPKKAKSLKDFFEKVTDAQVAAYTMVVVSACRNNDLD
ALKKLHSEEGQTLNCFNRFGESLLTMACRRGFEDVVEYLLQQAGVDVRI SDDSGRTVLHD
ACWNPSPQLRICGWITDRDPALWVADNRGCTPFQYARPEHWGIWRQFLLDHKGALQLLR
TDDIKSKLSKQTQ
>comp17172_c0_seq1; 401 11 943 LEN=1397; translated
MALAAVLWIFFSLRLLVESFRHEHSCYSRQRRRHYYLAQPCVVEGFGVSVANRNVKRDAG
IDCLENRLSLPDSVALFSSKGGGLGENQGSSEYRSVADVVGGLHGGKYQFGSDATGGAFF
QNGDAFSGTGDSSGAQQELFATDTGDDGGELPNWAKRMAPRIEPPGSNHPNDCKVLKLP
SNADPMDGMFHFTSIEIRNQERTWEKFYAKIMVKEGAADGGGFVELPSPEASNLLCVAPS
SGFLAPRGASNACDANKPYSDRATIRIAQNLWQNDANDGLEERLWLVVGTEEEQWSYK
LEFLALGDGD
>comp17173_c0_seq1; 455 1 1466 LEN=1466; translated
PHFAKTSDEIPTNEVDVIVIGSGLAGLSAALLSHCDKETVVFEAHDTPGGAHGWERR
GFHFESGPSLYSGFSMDESPNPLKNVFIIGEDAEWITYDRWGTVMPPDGRKFAAKIGPEE
FGDVLKEHGGPNAEKEFAALMERMEPLSNAQAALTSMALREDAGAIFTLLRYPKELFATL
RQGQALNDPFSNIMEEMELKDKFVKNWLDMLCFLLOGLPASGTMNAVMAVMLADWYRPGV
VLDFPKGGSGSIVDALVRGVRKNANGKVCLNAPVEEIIVEDDKVVGKLENGKVVKARQA
VVSNAADPYVTNKMLSKARSEGLHTKAAEYMDSFINTDENTGGIPDLKSFIIHAGIDAT
GLPTEASADFPQTQAVVRDWDAPEGVESPRNIVLCSMPSLIDPSLAPEGKHLHAYVPAT
EPYEWWEGMDRDSEYKKKKDEAADFLWSAIEEYVPDARNRAVPGTVQIGTPLTHERFLR
RSRGAYGPX
>comp17181_c0_seq1; 305 1 1296 LEN=1678; translated
YSYPIFNFKLFRFRNHFPQKRNPAPELPIVILLGDTATQLPSIVLIDGVRKPRIQGNP
RRSNTIHYHPQSPFHSSTRSQAAATNSNTNTSPIAMTFQRNCDFHRSGRACRRTRQKRLM
LNGPLLLLLGMVTALAPVDQLSRNSFPFVGMVESLSQVPLETQRQSSIRLTLATSTTKLQ
LQMPTKDNSSNSIHCEETTRGKTEKGSDEKEDADPSLPIHRRTALFNMAAAVVAASAGSA
TIPPLPSHAYTPDPDKLQESLYFVSRVQEATVQQERYIRKNLGGTGNGKEVRAKLKLTLR
LVDKNYKLLDQINYASAYVTPDQLVEASAAGYEAVDALQGAIDFVANDSNWAGGNDADR
AEVLTGFLRDCREQLLVFTESMPAEKLRNARYRVEDENVKNRDEFDGDDEDAGVYNPNL
WKPVLAPTMPR
>comp17186_c0_seq1; 432 1 1054 LEN=1317; translated
XQSLSGTRGAKPVGDDGRNSPAAETHSTRQOASRSFAERSPQRHEPPAPTPATPQQLQR
VTPGASAEGSDEEPSGKEQEDREEQRQOEEKQELANLEKKEQQDREEKLQEEQKQLADL
EKKEQQDREEKLQEQTKQFVALEEEVRALREEKDRLQOQRAEGRDLKLOSEHSDLLRE
HRGLLEKVERSMADLRVTEERDAIRSVYDRSRAAWESRFELLMEARRKQAAAGAGNPGG
CAPVCPECETFEFYSGLAAALAGDDREGGEAPQAVHPSESHKQDPGETTEPGNPEMEN
EIENIASMINGMTLSPCEPAESANPVKTESEPOADNQIENEPRQSMGTNC
>comp17187_c0_seq1; 282 545 1381 LEN=1542; translated
MAMTKRLASSALVEAMGDDASVNCNCYNGDDILSRLFGSVEARDSFFANDFGKNVHIRR
STSGNDIRDLNLPIDVNEEDSNYEKTSKINMKILFDTSEFIALRIRGSMTYLNKAETSVD
DFCEYIGNRGSVAIPVAEENALMPFRNQIEASMRDQLHMRQRNSQEVHLHQEQNEVQAGIN
VYHSGPAVALNRHFDQYDVFLHLDGHKDWEIGVFDPDHVIDDDAFMDTTSIDKVRRT
NMTLVPGDVLYIPKGVYHAATTADGYESTTHATIGLEY
>comp17188_c0_seq1; 210 169 720 LEN=720; translated
MDTKTVNKTQDDGFRPTTVVIRHGERLDYVQRAQGNWCQANPEQPWNPLTDEGVEMA
RALGTALKEKILPEMRMAPIAAVYTSFPLRCRQTAAGIIGMSSVVITDENNSGSDGNGT
AKSSLKVRVELGLSESMNENWFRSWSLPGADGTWGYKKEVPLNQFEVDPRALQPAETLLN
WKDS
>comp17194_c0_seq1; 29 1 229 LEN=229; translated
XYQFEIRDSFGNGLIDPDGGNGSYTGTLDGAEIFSGSSFGNSEVSDFCVQAAPVPEPAP
EPAPEPTPVPTPVPTPV
>comp17195_c0_seq1; 340 72 884 LEN=1140; translated
MTEAYSKSPSPDVATASEALKKPTRALFCLSLFFSLSLSFAGTLVQRNRVESCAESGA
SASSACLVGPPPPSSHTELLVGYKILHHTLSKESQLKYLHWLRGATLRGPEGLKAIMS
VIYETSGDRLSELEDLFRDEHPAISIGEAPVSAIGDSIQNEVEASSTAELVPLPFLSPTA
SREEWGVRFLLVQAQATRMVVALATSLRKLEKSEARKQWLAGLAAEYEAIREDLVECVGS
RRAGGRGSGGGTGMKESRVGPEGTTLRANPT
>comp17203_c0_seq1; 164 83 467 LEN=467; translated

MRITFRGVNAVVFSSILCLWFLLFVKTLSDLPTIVGDNFPSLQQSHTEDSGTIGYKHKARQ
YDKREEEHLHAIYGNEDRIRNSNRMKPENENETQTNDFDAVGPFYISVGNDDKPYLGRPH
YDYNEDDX
>comp17204_c0_seq1; 138 292 624 LEN=918; translated
MNGEQSDSALDLKSGPFGVLWRAVKGNTQVLVNVRRNNHKLGRVKAYDRHMNLLMEDVK
EMWTETSKGGKGTTRGTAVNKDRYVSKMFLRGDSVIIIVSNPAALAEAGGK
>comp17205_c0_seq1; 132 201 309 LEN=309; translated
MKSLIDALPPLATTESDSSDTDDSETDHYDNDNDNDX
>comp17207_c0_seq1; 325 110 1282 LEN=1459; minus strand; translated
MVGGVLENILGSFNPLDVVQSCEDVLAEASDGRDALQWATYIIQQGPHEGKKILAFMGTD
FSNAEQLLADIWSTPTANYLIRNMAEEAVQVALEQEADFITGHSLGGILTEMVCSETGIE
GASFAALGAYDPFTRLDALGINVASNVVDTALSQYSTTLESFGFDNTEIEEMIANWDEED
IRQLLIRTEYNGLIENTLHNGIKFDVVINTYDLAARPIGSIDGSACSHIAKSCDVRWTFYF
GVQYTFGHSSAHYTYNVNSYYTIGWENWILNARIDYNKIFLPNVQKNIACDFCNRDEYCE
SDSCFEVPGLLSTGGQCNAADGKMPTLCPDESSQSGERGMCESGRDCQSGRCEVHVEFSL
SPLSTRCYDKLPDGSVSLTDMYFSLKNNRV
>comp17211_c0_seq1; 212 1 1372 LEN=1510; translated
XSKYCTIQYPTRQGRNTERTLTDRENVLGTKALKMIATMIISTPCTSKRKSCDENDFPLC
RLPEDVLCVKMSFLDAKSLCEMRKINRKFRESASKNSAGWVLCRNLWKNKIHVCEVAQE
ELRRSSSSSCGCSHGNNITNASAMSAYRKSLLDGNRRDHLTREELIFNPATGKGTVWSFR
FKEAAGSDWTAFDWPYNHQPCRKMVFLDDGRVKIYAPRTNKREDKEQNMIEEGHADISGG
YADDILEVGGQSENMEIDDASTRSPSRIDPRRNPLGPEGDVNDTDLQDPAVPMTRFVTQ
PLDFPDRPIGSYIRFSVRGREVPTYVCCRSPNTNNWGFVMESCWGVYASFKLPPRPRNDTN
GRVLRRRRRRRQRLRRSLNLVPGREVFHFHVEIEDSSDDEEGSEEEPTGDDALVWDDNFN
VTTELQWREAFLYNNFSFPLLEPGSDALAEFRNYGI
>comp17214_c0_seq1; 159 80 297 LEN=297; translated
MAVFDQQLCECDKAGAGKGGILVSVFLRIPLLLLATFLRSGEHQGLRNPVSEDGVLGLAS
AGIFGSNSNNNNX
>comp17219_c0_seq1; 488 57 1615 LEN=1775; translated
MKYQVGRGALVFSNTRQRQSKLRLFRHIAAQLTNQIDDRHNRRLQDSSRVPIHSGFSFV
GNKREHAPLHTGRNGPTTLHFPRPNHSIQARSIASWAPEFVQDFSVWGGTGVVLKSLHTA
GLPYWTSFSAMNFMLRASLLPLVVYGAHTAARYAKVAPEIQFIVTLFQNDLKKMKAEGKS
LFEQRNLFQNLLETVRSIYKLNINPLTVFLSPFLQIPFFYYVATDLRKIVNGSDPELAQ
ELTESSFLWVPDLTDPDPWFGPLIAAGAMLYFNVEVAIGKRSLSGPSASKSDFAGLLKDL
FQTLAVFMPCFSAQSPAGLQIYLVSSFTWTLFQGAALRNDTMRGWVNLPAAGNPPTEPKF
AKEFMEFKKLEQKAREIRGDGPVLRNVLAVGFETSFPGTNRPSTIRGSDLPVPLDDEA
PAEVSKVPKLSMQQASAAWGGQYMHGISAPMSELEDRMMDELREERVKEVASHKLTTEKE
KFMAQGEADMKAANLGVKMTSPSPPETPSITDFPRSGKL
>comp17223_c0_seq1; 384 1 1385 LEN=1646; minus strand; translated
XLLLLLYRCGCCGPWLATGGEVAGAAGTVPGRVLPGICLGLVKELRVVVGRVLPVVRVAPP
APRLVPEEVSQKQGGDPEVVQVVAPEGLVPPGVLLLRKVLPGKVGPPKEGRVDGVPPE
GVLVQLAVGVKVLGPEPVVRGLEVRFDVLALSAAAHAHFGDPAAVLVLVVRVGLLGEHV
AVQDPPGLGLEPPGRSDGQDGSVHVVDHVAAGSYDLFVLEALELGPRLSDEALERVRGKF
FHQYRPAVFRFCLCLFCVCVRCVWICLRARARRWLRPRQLVDPVFLVGVKKEAVVVA
VSVGEKPRGFLPQIDEVVELVPGARVLGGDEADVDRGSRNNGEELHDAVSGPGPPNRADR
NDRPQSDERPVKIPVAPVAQTARTDPLQAAEQHVRLLAGDRGFVPELFPVAVFAV
LDVAVAVDAGGALRLGFDGAVAVADGLVVVAAAFDLAHRGL
>comp17230_c0_seq1; 442 95 1057 LEN=1132; translated
MSNETTETTVQDEKGAIEQKGAVEETSQSVAVVDGAGGKKRKSNSNSRIAPITSEGDMPOK
KYRQRAHCNPLSHNDNFQYPLRPDKMDWTEEHYPGWEEKYKPSGTTADAVVPTVLDIGCG
FGGLTVALATILPNETILGMEIRAKVTEFVRLRLALRKEVPGSYENASVMRTNSMKFLP
NYFRKGCNKLFFCFDPDPHFKRKNHPRRIVSERLLSEYAYFLAPGGKLYCITDVKELHEW
HVAKCDAHPLFERIEDEKVLAAADPCVNAMVTETEEGKKVARNKGDYAVYKYRDDLVQN
GEREWQMESFFDTFPEESKE
>comp17240_c0_seq1; 582 249 863 LEN=946; translated
MFARNAIVLAAVLASTEAFAPVSRVNTASTTALEAATIWIYSTSTGNTETVAQYIADAAGG
LDINDIGDASDDEITGSDGLIIGAPTWHTGADEQRSSTSWDDWLYDTLPSLDLDGKVAI
FGVGDQQSYGDNVYCDAAAGELYDLFTAKGAKVFGFTSQDGYDHVESKAVYDGFKFCGLMCDE
DNQYDLSEDRSKAWVAQLKDEGFF
>comp17243_c0_seq1; 325 1 1145 LEN=1299; minus strand; translated

XKSKKNKKNKKGSSNDYERPKIPPHLAHLKMKTPLSNGTKWSLSGPQFPRPTAIQQRICY
PQGDSEYASKGAALWTMYNCNGKEDKEYRLLHVYFVSVKRANNTGRNALSVSVCSSKASSM
SSKASTKRVRNRKRAILDARKGGKRQKRPYSKTGHDSKLSGVLPPSSPVRANGPIFRPPFV
NVSPNTASASSRVIERNLSRDGSFGDNFGNHRIYTIIPSYLLNGDDESYDTSPALNAVDDI
FRGSELPDAARDYDNMMGVELADPSSMMRVACIDWPTLNDSASAKHARHHYQQSSETFPQ
VLVGLKLTLEKIIHEWVGSRRPRSEQGLLINLVANWARSISRSPLELNRIDRDVKEESDD
ISGAVGLIDSLVDEDEDVAIAV
>comp17244_c0_seq1; 76 1 499 LEN=855; minus strand; translated
XLSYDSTSWVVENFDAALVKFNEDKNKNDLKIEIDYTSERLSSKTAHYACGEKTSIAMELC
RSKSNRPDTSITFFDFRFGFKXGYDVVCLFVNNTANADTIKILRKCEVKMICNRCAGFDRI
DTKAALAYGVSLARVPAYSPYAVAEFAVSLMLMGINRKIAKASTRVK
>comp17246_c0_seq1; 422 1 1757 LEN=1898; minus strand; translated
XIEPQTQYSECVQAMNCHMMASMTTNAVQGSALFCHQMIPHHQNAVNMASLLHTHDVIC
VEEESWECELSPILYDIINVQNSQIMDMRAALDLLGAGEYENCVDVFTMDRDVLPSSRLV
EPDFMQEQTHRVTAEEQSQSACAFVHGVDRCRCEGTTGACVIRMGVNLLAGEWGYFTVEG
CDGVNPTLHLEVERTYLFQSDKSNWYHLIGFSYEADGAHVGVDELEPGIAPGNSDCAET
NSCPAPMYWKDDEYTGVSNTPSLVPPIPEGGSDDFGLDAVEPLFFYPGGWEEMVFPVTS
LTFDDENYDKDIFYFCHVRKHYFAAISVFGIASSTVNI FEKTTTTFPVFGAQIHSGMSARI
KLIRPDGSMSETNTPEIPYDYSCVSLYDAECGTYGLEKYQTSKNPQCPENFVCSDAVGG
IGVMANCINSMDCAMLSEMTVFYGDGKDDRMNDVILFLREMIPHHENAVNMAKTLFISG
EVDCCDDPDEEDPACLEPIVRSIINVQNSQIQTMKGLLEGFGVPENQQCNVLDSDTQDS
DTKDSVNEDYETKESDTQDSASIIQSSFGVLIALMVGSQGLIGFN
>comp17251_c0_seq1; 766 444 2283 LEN=2283; minus strand; translated
MATKGDSFPSYVTYGLLHKSNDYIDWIRVERDCVVPNETDSSPNVDAESTEPIDVTSCES
EGERTEATALDVRAFEIFRSLQOKEGTDDGEQNKIEDPILKNNDENESDDDLIGIGDENH
ISPGLFGKGTKLQMELEGERGMNKFSSNIAAKIMSAAETSSFGVFDANWNPLRFSRHSNSDV
AILLYAAAKEQTRPDEESVTEASAWKRRTSIEKPGALSVDAASDTVSAATAKDGFSCL
QDIETEIERTGLPVVPRSSQQQFLVKQSVNMFFRKESVQFFACFPLRNSPRTIYRFDM
DGSDGTNGDQSRASAKWKGLARISSVSLASLKKQSIATGESNELSVGGDNPPAPKLSL
NERLSKMKVSSATKTDDIRRSLSLSSNTKEKFENSSFRSTVSNTKKKFSEKFRKMPSLS
SPNAEATEEDIVDYLEEEDIVIFDSSDIVDAEDQKMGDDSTNNDSIVAAANGANNDAAT
VGTEHETVSEESQNAQGPAGYVALSIDDVPGRFNFADKSLSLPKVLDLDFDKYDAKAT
FMVISSFLSPFHEPDMIRLLQEGHELANHGIRDEPMDKTLATSVDALFLEALDECNDKIKD
LQOKANASNHDEFX
>comp17254_c0_seq1; 348 90 848 LEN=1198; translated
MNFVRSKIVPFVIGIALSLEPVAAFSTRSHLLPSFRSTSSSTTCKNWLGLWEEVIEFSTY
GPSEKVLKARRKQAAAEKEKNDVSNDDISLTSFRQAKQKYGSSNSNDNRQDPSTSSSE
DDESLSLQAFQSAVASKDEEDKEEIDFDGYKLRDLLVEKKGWVPLDIDFQRGSGGNSVYCT
IMPVAFGSSKCRHESELDYLMHLQAVVEVLQKYNLDPFVFFIKKTSRAPKRGIESVPYL
MDLDSDSLKKIL
>comp17257_c0_seq1; 294 1 1175 LEN=1175; translated
XQVSAFIPPLVTRTAHLRSSEKISSSSGLPPQSLLSLSSLRIGNLFMVSGTATANATLM
MKSNSSSSSSHQNTTEHQNNDENKPSKPSGGPVRSSGIVVRKKFISPEELDQLLDRVDIVA
LIESYGLPRFQRTSSSNACKLCPFHDDRNPQLQISGERGIYKCFSCGAGGSALKFVREYS
ERYPEDNGSPLSFIEAVQALQEFADATSITRGSRRRDWQFTGSTS IKRANSKKSLLIG
TTSRERILHANLFAAAYFEENLFKLVSAGQARMHLRSRGVLP TTVKAF AIGFAPESYFSR
GERRQQQRKESWGEGLVNRLRDEGFTPQEILDAGLAILTKKGKEQQNKSSSQNFVDTKK
NCDEDGNEVIQQQHQQHDFSTIMDRFRRLV
>comp17260_c0_seq1; 654 80 1701 LEN=1701; translated
MTVSCSINAVANKCFGFFLAVILATSALNQASAI AAPTEDQAKRFFANAKNAIFPPKPI
YQAAKEEFDAAGKI QALEYESAKDWFRKKGYGDEFETYFEAKEFFEKKGYLKPVKTYD
SGQFSFAREGEVFNKEAFHDIIVALHLSDFVYRIGELRKASRALSFEKEELEQEVLVGD
FDTNAYSKCDPDFVKNCEQAGRKWNPKPMLQLVQGTLDINPDPTLALPNVNMAQLEDVM
KYKGLKLNKDCANELVVSIAIHLKVNKVFLYKFDAYNDKNLVYAI AARERQNGLNINE
YDIDLFI TFRGSVTARDWQNIQAPLVDIVFREDKKS GKCFMIEQLSYHRIEIEEDLYEK
LNAAI EEDTPIRVHKGFLGYLFADYGGNKGKYDKSMFESI QSDVKLLLSRPGMKTNTLYV
TGHSLGGALATLASFFLACDCTINGSNTQWSMRSQWKGVKCISFASPLVGNVSFQRAFDV
LQEHQEGKQRRQRLKHIRFTNNRDLVPLLPFFTRYRHTAGTHVHLGGEGPFGRVGP
SIR
X
>comp17262_c0_seq1; 366 255 1205 LEN=1368; translated

MNDFANATFPTISSSSSLMRYPNSSFHQESLIHNEVIPVPLSQLSMQMESSNI IPTSSTV
VIGKGRVPKKAPGNRKLRLSLVQDKVQDYVNAKSKMVKSSIVTDIYFAIEELCRQEGSAPP
FVRYNGTGYSKTTESIAREKITSCFRDCLHDIRYKSSSKNKVAKRRLANKEKAEEKRMKRI
EDQQLEFLRREMLPMPMPILESSMAIHGIQKRLVADDSQHQHRETQHDGRAKPOIQTS
DNLIHNTPSYTFNLQLPKISRIGTFSTPLFEFVTTTPVDRSFFEKVPVPVPMDCASTCS
SSSSYSKCTGGIDGY
>comp17263_c0_seq1; 92 1 618 LEN=618; minus strand; translated
PYGRINAHRDLHLHRPAVSSGDDDDNALRCGAVRLFVCRVVLAVAMLLCVSQFADFPRVLF
CFVVVWQASTGSKGGRKRIARAFEIAFLPMDRIGSYDPIRLFCFDDAXTPSSLRRIRTGS
DPWFFFGRNAHPSSAQRNETQRNETRHELRVAPRRKNLILTDVLEERSIDPSDYKHRVGS
SEPSTEPPTARCFRRVERKISQAMVP
>comp17268_c0_seq1; 589 1 1661 LEN=1661; translated
XQQPDMNKQHHVAKMAGAFASVSSSFLRPLGAATSAVMGALNKTKKRSRSKRFDKYFAI
RFNADGRGKFSVQNFDEGSVTIEGETARNTLLYNTDCDCDQQNWLGQADAWSLEARGLIV
DTIQETVEASIPASSGMGSPFLGSSSTRSESSGAELTKLETEWQVRHQGTPVGEVGGGGAN
QRQWMIYELSRDINRLRRVGEKSLKFKWKEVHWIHWLRQWNLMGVPSAALNIAAAIWI
RDKLRPYIPRVWAVAREVQGALEIFTTFRFWTPLRDLVDEIMNRRKGLVTGVSLAEES
LDTMLHDLGLGDGTPATRHGATIEATRMYESYMRSGLVWHALGGQLVRLMLIQMQQLKVS
MLDAAETIDVLFQSNRINMQLLAVVPAIGIVVVGTKILVRFVLFVRAKEFRPMVSVHAD
TDYLNKLETNIILRTSDDNYQLRSYPGRGLSQRKTNNTSAAPAAPAASSNRVPESTEETQ
LGEFALTLYKYLDDYSSPQLLPSRQCDAIHESLTAFLGRKGSFRDNLSTNGQIRLID
LVKGGKHQDLSKFL
>comp17269_c0_seq1; 198 1 652 LEN=652; translated
XVYGFCINDCGSFNLDGQSAEVMKWLAGEYPCNGGAFFVANDDFNGNWSTEVNNQIAS
DADLCLDQSPVDPVPAPVNPNTLSPATFSTQNPVSPSPKPTSLPTQSSTPYPTSAPVVN
PTNQPIPSPPVSIQSAGCCSNDYKTCASWCNESRQKCGSPMCASMVWLENGSLSSDTCVS
RWGACTNDVSSCCGGLVCKGESRWYKQCLAPNDPAPN
>comp17270_c0_seq1; 216 81 565 LEN=565; translated
MNQFATLVLLVASLSSTARAFVSPSPGAPVAREQITVSAPLFAAADETSDLLEIELS
MPPSNSNVVARLKFPSVFSGPELVEVRYKLPFGLNVEPKNNLAMCTADGAGGERVGDV
RYTSQWTMGIPOGDGVVTTVASFSGGISWQCSMFDVMKAKDX
>comp17273_c0_seq1; 519 192 1526 LEN=1526; translated
MHYFFLACILACAPYHANNGVYGSRTLLVGLICIVVILILTPETEISALRIQDSGKNE
AAPPLAPDEIALLESLDYLENDDVEKAYAVLQASFESSARNPNPERRVNRLSQRKISLGG
GTTFTTEYKIRQDIEQAQYLAETLDDSQKAEFFASIVLPVYKMLQSIPLLEALRETMGL
YQFQRSDVEYGIMDVYNRALHVPDVPASRTDGTPIPIFSEALDPSQIEKDWIESDGI
VVDNLSKEALELIQQKVLWESTVWYQTKLPQRFGGYTGAYIDDGLHQRILLQLSVDL
RKLPLNIFDGHPLKYMWAYKYDSEYGGINLHADEAAVNVNLWLPNDANLDPESSGLV
VYTVKPPQDWFELYNRDTDFVYEHLIQPSGFANVTVPFRENRAVIFDSALFHTTDEF
HFRQGYKNRRINLTLLYGDMQKGGKQPPQSFEL
>comp17275_c0_seq1; 1085 34 2220 LEN=2220; translated
MTDEPIVAKRKLDDNDDNNMEELVHTVWEHYRNFLDSLGDGEDGEIDELQELIEIATDQ
ISKPKLPEGKEGTNNSIDSEVVCPAWQSRGTMVHVLLSVACYHLADVAISEYLAMVQQQ
QHDSPASGTDRAQSEEVVAARDRAKSLLVKSLEWYYPYNAATWSMGANFGRMSQSLSLGAA
RNWYEMAVRTSTVLREQALAAVEDESIPNEEKIEWIELLVLNQIVGVQYETEEDDEVDG
CGGDENPGDGLKTNDEMESNEAENDNHGSEKEAQNIDEGEDAPETDGDHDDAGWYSSSI
EATSRFMCAMLCQSMNGDHRVLAHLESFRLTHRLHLPNVWKISPSIPEKTPVPAALAEPP
VVFQAGGVLPPRLYNAMTKVFAPTAAFVKETDYASRGYFSFFHEYDAANKKQRPCNLI
EEVVVDHLMPPRAQQCLDNTAAAADGATSPKICGFEEWAHTRPIKANLGHNLHFDTDES
MLDQEGKVTHTPVLSSVLYLTGAQDGNPETSASSPAGATIVLDETPDSTSIGDCCWRCIP
KDNAFLVFPGNKHLHGVLPVCPGKTKQDERESDNETRSMIDGLIHDWQDLEAKTSVGA
SPTGSDEAAAPNRLTFMVGFWTRNVPATMKHRSLYGPCGPLPSTEESVWVGDIA
RDYDNQAAEERP VADKMTATAI PRVSPAWE LIENEEDEGE PNAENGP SLTIPHGI
DHRFFVRNAPVCFRESL FEDRETKH
>comp17277_c0_seq1; 106 1 194 LEN=194; minus strand; translated
XADYQETLPEEQRTKLPIDLTSTVTAFDKAQMRRVRRGVMGSCPVLIVAANENTWDGTP
YQAT
>comp17279_c0_seq1; 432 1 1576 LEN=1576; translated
XTVSCQAKKGGGGSTTIIIVIVVLLILAAAGVGGGGFCYVRKRRRAAMNMKGGHDLK
KKNKR GNGKNNNKKKGGRF SFGRKKGDEGTENS RDKGED IYDDEYDGDYQNRSP
RNGKRSRTP

NSKKRNDNRNRKMGSFNGSDIENGGHPTDLSLSESEAGDLRSEAPSRSSRRGKSFEDED
SISNDYGHGSRDKFSDRDTRDSSSRKRYLKEKKRSIENNRPVKSYQSVASDDDDVSRLD
NSRNFDRADRSSSSPDLPSKIRSSKISSRELKKIMKENHESSRRLTAIEDEVADYERE
LAKRDEEAERLHQEREEQSRRIKELEAKNDRLKQKAGGKSKSGRNLDRNVSESRERTGG
NSHDDYGDNISEYSNRGKGKRNSSRRVGMDDYEEENDDDDDEDDDESYNNYNSRRGVS
RSSRSKASMRDPGNSVSYRESRGSRRTRPERSRSKSGRTLERAGSRRPQSRSPSTRSL
GKQASSLRQEASRRDSIRRSMSDRGDTARKARSKSPRSYLRDDDY
>comp17281_c0_seq1; 266 95 625 LEN=834; translated
MTKKRDDGLVLLSHPSTGTTAKASSVLQNNTKLHGAALKDCDDLSSWNSEGPSNGKKE
SFLVVDFSGGGKHPNRTVRALELGLQFQAGFAAEEITVYAKAQQQEGETGGARWRKAEIE
EAEDDHELQSFALPAEPTTALKIVFGETTDFYGRVLIYQIQVWGKNLGNDCDKSS
>comp17284_c0_seq1; 226 1 854 LEN=1392; translated
XARRDEARKFAKKLEEKEQILEDLTKLSDPSRKLITKSWEDIKFKVRDAINEAENVPS
VLKQKQAATALNKAIEELVPLAEIRNRPLLKEGDKLVCKTGNLFGREAVVIKDNQKQV
QVKVSGIGMTFKNTQLSMVMGEGSNNGGKQQQGTSRSPAGKSTRSSKAVQRALKNEGI
DTRNKKQVVGEEKASSSLTIRTEGNTVDVRFNLEDAKSKVTDKISQCKLSRQKSVYILH
GHGSGVLKSKLREWLKREKKLIKWAPADSLDGGDAFTRLELK
>comp17292_c0_seq1; 494 85 1137 LEN=1528; translated
MTMQQRVVPKPLPKIKEYGPNNAIEVKDLTFGYSSTGALDAQDERNVLHNLNLTLKTGSR
CLLIGANGSGKSTLLRILAGRHLTQQEVKVLGLNSFRETCLNFHFRAYLNCDWGMTSIAFV
GASVPLCADIPVYKMMEKLQNSYPERDELVRMLGIDLNWHMHQLSDGQRRRVQIMLGLV
RPFKILLLDEITSLDVCVRQDLLKWLKESDERGATILYATHIFDGLDDWASHLFYLN
EGRCGWQGMSELEKYQELKRENHPSKMLAIADHWLRRELEEARAKNQYKATYAAMELD
PTDRQGGYASGRNIPMNETASTQPQRQSTLADAMGNAGKLDTHRQTSAAP
>comp17294_c0_seq1; 97 1 111 LEN=384; translated
DDDDDDTPTKSSEEIAMELWDEEFRSEKDRRDRGSR
>comp17296_c0_seq1; 286 381 1106 LEN=1106; translated
MLADGKTHACAETTKSGSRNQIAVAVNEAREKTLSCPENQKQHIIQHLQYDQQVQKLL
LHEHQERAKINGNGNIIYLEKMRKAQDHLKERFVALANARMMLQHEVRQRNAEQQLALT
AANMQQKAFLQIMSGERGLGHPTPQPSVRNGIRNNANVLLNAEYLQQLQIEVMVNHRRQ
SKLTQNGLRFQVLNSNATTPNAITKLAANGAVASLKSPVVPNSKQIVADKFIQKAILM
AR
>comp17299_c0_seq1; 264 766 1836 LEN=2178; minus strand; translated
MKNAFLLALFLVAICNPIGIEAVCDANGTPTNGDLTTMSITEIACDPSLADTFSTLCNLL
IRTDLDELTSRRSTSDFFVFAPTNAAFVNARMTAGVSIQITKTLQYHVSNDSSDLTCGA
RRDSLTLNSKTRSSSTRCAADGTTLLGQTGNVTRTPRQSSPLPNFVAPTAGNEASVTACN
GKIRAIQVLGFGPMVYRFGSNAPCSFYKSKCAGKGGKAAKAGKKGKSYNYPVIEVEEE
TVDGVTFDHVHLYYGKSSKKKSKDKGNGNGNVNRSWNGSRQQPAQAQAQAQRNRDFM
HHPGLEMYNRYFGSSRYGRQRQLRGVISPEYNEEYQLQSPYVSVDAVEYEDHYQ
>comp17302_c0_seq1; 185 77 730 LEN=1133; translated
MAGMTSFRQILPLATTIVGTHAAFLASIRAGIGGIDPSRPGKSEQAECFDAQHYDLVT
DWVGRLYRGRGTEAASGGGVELAPTATFEDPAAVCVGAEEVGEAFRALGALNPVSVSPR
CIDVRPLGDSIELVLLHQEYTLGGRSLRPLSRLHVTVQLRQMTRLGLPESEFLVTEMKE
LWHGNPLLWPYVLFYGPRLNGILSYHATSRFLSRVP
>comp17303_c0_seq1; 729 341 2268 LEN=2268; minus strand; translated
MAPFRPIPASALLVLALAIRHTGTRRISADAFAPKHLHGRADGCISSNRHSHPVPSLSAH
RCGTEPSTKSANPDGNNATPSSIRRQMLRAMLAASAGSTLGAPPATAAAPALEAAPSPPA
GFPDWSGIKVVVPPSDDRDYRVKVLNGLRVVLCSDPSSNEAGAAMDVHVGACSDPLEIP
GLAHFNEHMLFLGTKEYPNESFEEFLSANGGSSNAYTASENTCYFTLQAEVDQTLTEG
LKRFGSFFTSPFLTAAATGRELNAI ESENKNLQTD SFRVYQINKERQNRDHPHSKFFTG
NKKTLDDTCKKIDLRQSLIEFYETHYSADQMTLAVVGPQSLDALGRMAEEAFSGIPNR
NAGAPEKEWGMGVPPYDPSNSVIPSGNVVIVPVQDLRQLSISWPITYRDEQERQDALL
TKQGQYVGHILGHEGPGSLLSYLKGWVNSLSAGGGEELSDFETFDVTATLTKSGLEKV
DQVIESIYSTIGMVRNRAVPSYIFNEVLQLEELGWRFSKGPVGNVYVQSLSTSLQDYPPS
LCVAGPRRLALRTQDASSTKLLASNAARVSFGSEAELDVTKKLASDFVDNLAVDNAMYTI
ISKSYKGQTNQEKWYGTDYRVDPVALSTTLQWKNPTSVDGLG
>comp17306_c0_seq1; 226 1 515 LEN=1025; minus strand; translated
XPRLRTCDGNPNCSTTGDALLEDRQQYGVDFLVAPWVPPAGETDPIGGIAAVVASYPEG
QGGIDGGGFALVKQTDNYLYYQFEALKKGFIDDFEFAVVGNDTTAVQVRSASRVGVTDFG
VNAVRLNYISRKL RAGGW TIAEITPETHRDYWITANEAREATFDADRRSMD

>comp17307_c0_seq1; 299 1 1147 LEN=1259; translated
XENENENDEDEDEDEPARLDPPITPEEISRVEALRLPEHPGTMANPGNPNEPLPYDVRRC
PPQIPENYPYAWSILDVGLGHWNPDNTTTPERVHQGLCIIDWRDPEQRKTAVRYRRAEVPF
VVKHHPVIWKAADRWTSEGYLHSLKLGDKAYRNEHSVNNHMMYWKLRGKRRGPPGWEPTQ
DVKLSYPDWREKALEMEQLAAHQPESIPKTEHFYLRNLNGAYERAHEWLFDELFFDPSVQ
NNIFMVDPTDARGINCRGLSRGTIAEAHYDMSRNFILILNGRKRYILAHPEQCSNMELYP
MGHPSARHSRVNWSDDLSEYETTGKFPMSMVNEVVLEAGDGLYLPTYWLHFIVSLSLNYQC
NARSGITRGYQEHINACGFGKL

>comp17308_c0_seq1; 411 452 1789 LEN=1917; translated
MEGTDATATTTTELVEAYSGLNDEEFVSVLVKAVEEAYSETVGLDSVSCDTTMVSSSGCDI
ETGGLLVGCLGRVLSVRTNLDDESADDLRALIAFQMDRLIYESGDLRQPVVSVQTSSE
ETVTSGNDGTSVIEIENEIEQYGLRIPVYGNKDYKSRKETTTLFTPSLRIAIDGAETQVED
SGEMFWDTSSVVVFDLVDLNNDLRRRLLEVVKGGKFFSSDDWVDVNGPDPHRWIRGGLQDV
PDDVNDGDSEEGEVSSCWGLPEEAEIEICFKEHGAIQEFESILTDLFPQFVVSRLPEAVY
GECVSPLTANAPVAGEDGLYDYHIDGDPLQTPSPWTDVYGRYPNRSPGKPRFVSVCLVYL
SEEWGDSKWGAPTKFYDPPTGDAYEVTSPSPGRVCVIMDQDLGHTTVVPPHDAAGKRPRYSLV
WKLILHPKTENQDMDLSPPLSGRNQW

>comp17311_c0_seq1; 118 657 773 LEN=773; minus strand; translated
MERLAKEQKRIAAKQKDGEDSADSFASKQEASASDMLN

>comp17313_c0_seq1; 108 1 129 LEN=310; minus strand; translated
LDLGLDVDRVRWLDIESDGLSGEGLDEDLHGEMLFLEFKLSM

>comp17315_c0_seq1; 213 1 940 LEN=1401; translated
XNTASAVSLAHRAAAIALAQRRAAPSMHRGAIAGVSGANPAANPGTAADHAKAPPPKAAPA
ATQAVPKQTEPSTSVSTPSGSALVWVGPPPEDLGLPLSNMFAPWNKDDWTKTTRKRLGGK
TAGTFDSYWQYKDGGRFRSLNEIRRFVLRANNGNAVLARKPEQMRRARELLEQTALA
DANANPNANVNANPNANANANHLNSTGCGTNATPKENIHQNAVGRARRLPSRFLHLQASL
VLAAAADKEKVGELAATTTATTTATTTAGGGAALATTLAPTAKAVPRISISVTPPKDDCHF
DSSGRLSDYIVVL

>comp17320_c0_seq1; 122 1 328 LEN=601; minus strand; translated
XAAISACEKGLVPHKALEIFEQMKREGVRPTVVITYSALISAAEKQQWKLALALEVLEEMKA
AGHGANVIAYSAAISALSQKGMWHKALELFREIESSGGKPSIVTYNATM

>comp17323_c0_seq1; 109 525 1286 LEN=1286; minus strand; translated
MTTKRARSEPVSAVSTSFVRNISISSTILLMLHLTSSMVSVEPFSISSLKRHHFHRGPTNIS
HLLQTTTRLDTKQNTNRYPNLSVQTIIVSAKPTGVWSSPPPSWNCKASGRTPTALGSGSLVA
AGDQWGNLSALAAVSVASQRLGRSTRVGRLLGAPVTAMALTFFLASVGVLAQGGTPTSRS
LQTMAIRFATPWILLGAIEFGTSGGDELVEASSSSSSSTSVAPLVVGFGLASLATLAGGCIG
WNLGGALVSCALG

>comp17325_c0_seq1; 442 1 1309 LEN=1454; translated
XTASCLPTPTAAATMSHSSSSPTDLLASAFGPGTTLYGALGSSRDASAADLKKSYRALA
LLYHPDKQQTRRQTQNSQTKRQQATQGEPECEGGVSLAQATLRFQAVSAAEVLMDPERR
AEYDATGTVAGETFSSDSGNGAGAPRHRSSDRDQRRWDGFFRSVVFSELATAGDKHGDG
ESYRGSEEEARDVLSFYVLCKGDLARVLECVVHGEKGDLPWKKEIVGPAVARGEVDPYD
AAAGGRNQTKNKRANRTGPGSGGAASGPAKPARRRFSKPKRKTIASRCLEDSSEDDDDGG
GRRFRSRKTPAVSTGLCDTEDEEDEDGTETAGAAPPTRTPPPMNRDKMEYRVAKKRK
LKALREMEVSRALRSKSWGGVAAAAAAGRGRRSAPVVAEAVLARMEGRYAPGGASSG
KRSHSKSKKPLRRNKK

>comp17328_c0_seq1; 20 1 819 LEN=819; translated
RMMKLAAVKSGHERTSISLTQLEQLPLEIKLQVVNHHDDQRVGVLSKPAPRAAKAGNDQR
PRTSIPGTTDAGERPRPKPKRRSGDFATTTKPSHATRSTKTKQDSEKRIRFMARVDS
WREDVLPPLREFLDGCCPVDRQGSFDRVVDFLSVVVREGRSCAAATMVRSLRHRTDEWGSK
STTAR IARALDRVHAERYGSLDAEWLTGNEEGDATTRRNTPNPPPKRHPVYRTSPPPS
DGASRWGRSGQGISAVAERLVAEKYVRLESKA

>comp17329_c0_seq1; 580 1 1421 LEN=1421; translated
TGMSQEDKMLARLVKERTRQSNRSSKFRLLDDDDGGGDAILTHKGKLDPNKSEVMYSDD
GDESGNLEAVDTELHFGGSGMGSSNPYGNMASGTDLSQLYGQTRKTELDDLIARRKAMK
AEKMQAQETQVDTFEKMDDFGELSALLRYRKNERKPLIPPKPTQEDNEMKEWNSEIRQM
MAKPKRRATDRKTPPEEIAKEESERLHELETRRMARMNGDFDEDDFSDIEIDQGRKKQK
PKQRPDELSDSEDEEEEGNEVKFTADGTFIEQDDADESDSGSDDSEDEPDDDEDYHPLSE
GARVRANYRAAEQFEGRENWYEGKIKTVHESPSGAVTYDVEYDDGDTEEDMIPKNVRPVE
SVQKIKKEDKQKRNEAKLEQMKRMAKEKARSEIPYVFEAVTTLEGLHDLIGRYASTGKD

ASTIIKRIHASNSVRLDHRNGEKMQNFYDVLLRRRFVAVGD AIFDSGNGGQELGR
>comp17330_c0_seq1; 147 42 289 LEN=289; translated
MMKSAILSLLIASASAFAPASQTQRAGSVALNAEEFSSKIPFLVKPEKLDGSM PGDFGFD
PMRLSDIQTDLRYARWAEIKHGR
>comp17343_c0_seq1; 125 1 401 LEN=679; minus strand; translated
XGNTKTKAGFEKNLGLKKGGLTYGPGSTLILSEKGSLSLSSSASSALTNESIHEDM
KEMLSPKARLIFDALLDGERHDKVVALELG YDMSKLSGYQKDISKMKT LGFLEYPTKTE
IRLSDTCFPLGRP
>comp17346_c0_seq1; 64 1 136 LEN=412; translated
XQNGRLAMLGWAGMVAQELVNGKEIFVNAGLAEDRFDP SKLPIQF
>comp17348_c0_seq1; 202 1 934 LEN=1072; translated
XKAFGEVGNACGEVMEGSVGLELSPIRGIFGIGNSNTYTYTDSIREKTWDPGNTPVCPKS
EPIAAASFVQTVGHSNEDLMSISWDGTLGKDSGKLVLGK DASNGIPSTAEPLYLSPKKLA
SSGSDGFYETNVTDIELNGRAMSTEMIPYVFD TGSPYISLPSNVFESVWSSNTT SKVIFS
ILTLDDGGDEQIEVTITPELMRSGNVFQSVSNTSVHLFGLHVLRYVETILLGYDTTSPKRP
YMKMVPDRTPITPTANLTRSGAPAGSITNATLPTEAVDAPAGVPSSGAVGGGFGSGQAA
ALAAVASATVLW
>comp17349_c0_seq1; 291 21 647 LEN=647; translated
MSLRVYMQDLILAHTSCNTDDDYEENS IKITIVNDNSSSSLSYNYEDES SHKDRGQCDP
SPSSAESMQIVEICNSFTDPVDECDKSSSGYGLQSSEHRVAQHQNKSLSDAA INNKVM
LDDFRRRQCFLRAKFHPNRTAQANSQALQISPEPLVMESQTTMFVTPSASPTKNSDNVA
EDEDMGIGVSEDNTFRCRMASLKSSI QED
>comp17354_c0_seq1; 266 1 888 LEN=1170; translated
AETTKADPGGTPIRDSAHEALGDIVMTLLFGGYDTT SICLSYALYLLAKNPAKKRKLLE
EVDVAVLGAYYERDQPNGTLPPGPDEL PYTKAVVLESLR LFPSPVSTARTIEKPTTIGGGS
VTLQEGQMVMLPIWSIQRSEMNYPRPNDMIPERWVRR TAGHRNNGDGDGKHPKSRWEVRPE
DDRRPTGETRAPQPKTGDGDSGSVPPANREAFCAFAAGARN CVGKNLAVEETV VLLACLA
RRLVFDLVEDYEVVPSIMAVVQQPEDGLPMRVTPRATQTAASKRGASAAATAAV
>comp17357_c0_seq1; 54 229 548 LEN=548; minus strand; translated
MGQCMGTGRKQRQLATDPTAAISCPEESQE QHSLHRPRSVEPSARMEKKT PPSPTDPT
PQKKQKHSTSAEGVKEDADASSVSCRNGASNCATVCIHRYSF SCPX
>comp17369_c0_seq1; 175 1 1151 LEN=1201; translated
XQQQQQHPQHQPQPSGPKALSIERMSIKQLEEWSADVWMSPPCQPHTRQHNGGSESC
NDAKDLDDPRSRSFLKICEWLEGGPPSGTGRRRRLRDESLPSLILLENVVGFE SSGSFRR
WRSALGARGYRSAHFHLTPTQVRLPNDRPRYYCVAIRSTAGGSPLASRSLGSYFGE EPGP
DEETPEPLPRPRICKSIPELGVVPETTEDSAKAQEEMPP IASFLDDKASDNGSLRVPASV
LESKSAWCFDIVSPDRRSSCFTHSYGRFVRGTGSVLYEDNGD NESDSAGGRAAFRL LPP
DQREYSDDWREGLDPTRLRYFSGKELARLFGFSDTFSFPD TTHKQQWKL MGNSLSVGVA
SRLVELGLLLAYGGPDPPGDGPP
>comp17373_c0_seq1; 160 1 330 LEN=330; translated
DDDDDEEIDENDKSAMFNLMNEVLRQYREENGRGPNTKELLE LRSNIARELGVEIPHDI
DGDWDKMAKENQVPSAKKIVFTKEADRVREYVPDANEYPSDR DDDDDDDDD
>comp17377_c0_seq1; 457 1003 2172 LEN=2215; minus strand; translated
MRAIRKDDTAKTPSTHRRTSKRPSATLLRRTILPNLSNGLFFAAVLVLSVWFGFDN PCAH
NNQHKNKSSSSSNHNDNDNNHNNMTPAAASTVARAVSPMAKQPYKLLQKTRLSHDSFL
LRYGLPEGRAILGTDPALPTCVKVDVFDEQ TASKTVSKSYSPVSHPSAKGFFDLVVKAYP
YRSGGGV GAYLCDMTVGDSIAASLKKERSMHGSPAVLGRGWKHVGLVAGGTGIAPLLQIA
RILLEDKDLPEEDRPRVHLLFVNHTPSDVLGREEIEALQKDHPYHFFVTHSFTREGPGAD
PRSAPPGSPARVVSGRGDVAMVAASLPDPSGKADTMVLVCGR DGFVAHWAGPVGRGPPKP
DGSKGPKVQGPLLGLVSEAGFEADQVFKY
>comp17380_c0_seq1; 376 1 1010 LEN=1010; minus strand; translated
HNNKELTTAIEEQMKRVHHSNLYFIPEQAALAEWLCANSGADKAFFCNSGAESNEAAIK
LARRHASNRGIDKPVIVSAHQSFHGRTLAALSATQQPKYHKGFGYD GEMVQGF EACTYND
IASLEEAVAKATSDGRGLAAIMLEPLQEGEGGIIPGDPAFFARARELCDEAGALLVIDEVQ
AGMGRGTTLWGHENLGVVPDVFTSAKALGGGVPIGGVAPLLDLFHC LLLSWTGFVGFVAR
RLGGFIRGGSSHLIVRCCSALLCFCQTFCVIPGAMMARGDAADTFGPGDHASTYGGNPLA
CAAGLAVAKYICDHDVLTNVQERGEQLSKGLEAMAE
>comp17382_c0_seq1; 490 1 1643 LEN=1751; translated
XLVLMLLL ANRSTCLIPGPCYVGLTSSAPHGCGFRCD DALPNPKPHVAKNERDRFAPKT
ITANKIGI ISSSDFCDDVDTTAAATTTIIRGGDDAFTTCRRHWR LRTTAISMVSVCS SGLV

ASKAALCEPDDAVAI FMPSSCEFVAALFGLIRSGVRAALVNTEL RGTSLVHALTSALDRG
SDAGAAGARGVRAVLVSPGLKHVFDLSREAGQLPSSI AVIECGAGCELDPWTETRRFAFH
GRQAQPKSKASGWDGTCLYIYTS GTTGFPKASKMNHMRIWMMGCAGKLAGCGPATGSIA
PSRCTTPAALGS AWGPASRAAARRWCAQSFRCGSFLGTLRRTDARVGT LFGCRFLVTVSF
HAVPRHTLACAKCLMLGSLDGVSPQLLSPYDVCLSCAMKLG VQYIGEMARYLVSAPPSF
DSDVRLRFALGNMPQEIWLPFQKRYNIDL VNEFYASTE GNVNVFNGTGVAPGACGIVPL
GFGWIYPIGIFRYD TDTGELLRDATTGLCVPASPNEP GELLGLIKSSDPTRRF DGYTNHS
ATRSKIVSNVCRKGD RYFRSGDLLRQDRRGFLYFCDRVGETFRWKGENVSTSEVARALLE
CRGNGVGSNTQAAGATEAKGDTAWFAEAVVYGV EVEGY PGRAGMATVVMNEGASSNKWQD
SLWRS LQAELPRYAQPLFLRIATEIEKTSTQKYKKKKLQDESFFDCGGDAVYFRDDAANR
FVPMDETIHHGILSGNRRV

>comp17440_c0_seq1; 365 53 1792 LEN=2302; translated
MTPSPINKNTAPIRGVRTIASIKRELERLAERHSRLLPIDDNHHGSDCNNSANMTGTKAK
KKNRKGF LQHRHIKSEFHGNYADNDADTNSGD DYYLSLFEFFAITVCHTGVIPRKE LFE
AWAMALYVNH YFPTS GEGREGQRCYQ RVADLCSGHGLVSWAILFLDEHRSRTAVCIDISI
PKACDIVESVMLRRHP EVATFEKAPSREGETN QEEQAAQPAATPAETSTRKRWHWIEGDI
CRNVSADSS TLIVGVHCCGTLSDSILDLAIQSGSALALVPCCHTRRSLPYEYKPKHAFDA
LIEQNI EKNAALPQTDP TTMPLSSEGEQEGDGEQPAP ELLPTTLTDVIDGFRIERLVNA
GFDVQVESIPSVITPKNRIIVASPPDSSCQSGSAGGDQQA AFRDANECTEKKTAPNNI
RNKRAFSIPLGDTPEARAVVASQSGRLAANLRDRRPAPNLSLSIYLPSPDECPTEENLQA
LADRVAGGEAHRYYAKLEAS EDA TIIRTQVRYGADGVYSTPDGRFRSRYRIQYGVHDETG
RLPQLTKQQAKELHALVCRAIEEGALPGIKLRQGMKRLS

>comp17452_c0_seq1; 116 1 302 LEN=302; translated
QQQQQQQLHATS DILASSGSLFHLPLKRV SQSLDPAVFGTEKRQQTLTNAMNDGGISSA
SFHGIRRTHKSIFMLDQCSCNSNNSIFPHGSSSDRE EEEEX

>comp17467_c0_seq1; 323 69 1376 LEN=1839; translated
MSATPLPIGW PVAQLDRLSRIGLGDACPD DRAGGGGTTTNRHGKPD LTRGRPKTNPRQRS
LIGEGRVASV LVLVSSDAKVLF TLRAKTLRSHPGQVS FPGGKR DGGDDVATALRETL
EEVGLDYTGFRAGTETDTPAGHKDDGFRV VCRMPTTEV VGRLCVVP IVAFHEGKPWRAIH
EELAINRAEVEEAFVWPLSVFRAGETGADPKDDPNPCLTECYEVPDWPVEGETFVYRRYD
YEFPLTGRSF AITGLTAQIAHEVARVAFGGSPCASGTGGNR RERERAPADAALRGFLRRR
APPGGSGTGHPHRSNAGWKRHF FVLGGRPGSGGILH QYDSSEQAVRKEQSATKKHRLRL
VANTATDASYTSVSAWSESESEEQRP ARPQELWPF AVSTLGGVRWDLAASSPEERTLWM
ERIESMVASGGPPPI

>comp17472_c0_seq1; 603 1 2417 LEN=2417; minus strand; translated
XLWVCKSMGMSQYHDILLEFYGSKRLRYIYLVRDPRDVAMSFVKTPVGDCHWHAI VTKWT
KLQACALRIVKECEPELIYKLYHEDILEDRE REMKNLYDFIGERRFGGVKRTASVMYME SV
ENVVALAKEGRESLKAHRLSSQFMNLSRGISFFASQFEKWRHPDTGLQEDAIQILETVAH
ETMKT LGYEPHLVGVTTKPSVWNDADLAVFERLNQEGISKMNEDLGRENPD DLARRIYQA
AALAMVPVYKPEVWVETDASFDEIVSTGIQKILNEDELLKRRDITAEKTCTTKSGLRFRW
ACGTQRGYYPDNHDKPNQDDWIAQTASTE EGDVHWF SVYDGHGTQGHKCE FARKEIPNE
FQKRIATGQSFP LALEKAHVTVHNRLIANPQIETELSGTTAGT LMLMDDQCI VSNVGDSS
FILGWEE SCGEHPPKITAKTLCTPHTPNR ADERSRIERAGGVVMTADQRDGLAPMLRTDR
SRDDDHEPLRIWSDESA KVPGCAFTRTIGDGM AHKLGVARPELFEHSFNQNDRVVVLAS
DGVTEFMDQDTCVRIACAEACP SRAAEALIREASKRWKSNSDYMDDITAI VVFLDP SKVA
FREIDPLATAGETAGNNHLHHHGDGNLHLIVPTGSDSGDGSLEEGPRAIGPWASFWTLL
AGGFSGFLGIGCIRGPPVILYFLHPPYPVTFDKKSQRATGAVITATNVAMRVAYYV VET
LVLETKESYFRESDLVLYLCVVVSSILGVLVGT KLFDLMKDSRNNIRLILSFFLLMCGIS
LLTLPSTSSDPKKKERRQKLSVVSAX

>comp17476_c0_seq1; 169 305 670 LEN=670; minus strand; translated
MDENVPAMFSTPVLGSKFLLHGSEGF IKGGSFETDIDGSNSGELVLIPPAVGMSTVLLNR
DHYE EYYKGMPPSPDGEVLR RHGDEIEYVRSSDHL SKKNEDLRTPYRALGRSDDTMNIG
GE

>comp17484_c0_seq1; 762 1 2114 LEN=2848; translated
XLSKKHFYSIYHQQASMEVQCMHGTNEAAIRSGTKQPSDVKLWVTSV SILVLSILSSPS
HFAQSFAISKSLVPPSRCLSGHERVSSSFQTKAFHEIVQTHSLALFSTSNAPYIRELDGV
DDLQEGSLVLSRVES SLGCHDLRQPYFHKAVILIDHDPNDFTQGVLLNRASDLTLDDR
IVCMDGDCSDDDVDGNDALKEDPVSAFSSTWRIHFGGDIGGWYEEVPQLLCVHMISSEA
ALAVSDPIHFHEDGIFITSFPGARSLVESGEATSDDFYTFSGFCGWERDQLQREVD RGSW
CLASF TTKETILVESESSRRNESDDSRHKLAALIEKYSWKNSEYK PQSGGLEFWHELM

HNLGKDNVKPLLPYAAREDDGSDHPQPFSDLMVKEWSTQRLIVTTKMKSNNGYDDGGIYSGL
NDNNCEEPVSQIDDADIFRVLKAAATPTPVMQGSILRGSSSPSSPYVTSSQLFYKSTILL
LQDTPPEASVGVMLNLPKDAYVLRLEDKDYHFTVRYGGPSGKGGEEDPYFWFHDCDVLKE
EGIGLPVSFSNAHPERSDPHGIHVCDIEDVREAMQRKLVQADEFLLVQGFCLWEKEAESA
GGVTGQLLNGNLEDTQLQTTEQRESLWRSLLDQKQTI SEDRLQKNFELSQQAWKNSGGES
VNNLSEDIRYVFDNSNEVSKLADDALFTWMKIFLLGNAFYLAED
>comp17491_c0_seq1; 352 1 1406 LEN=1506; translated
RNATMVLVSFQSIGRYRRLLVGLLATASSSSTKQKRSRSPKLFYQRRLPPLERLPAVSAS
VSPVSDQTGKTKQVLP PPPNASYANSIGVVYTNVDVAFRWAQKHLWSDTEAPKILGWDM
ESSPRLPWRESSYGSDFHFGPATIQSTPTDSMVFQIAQDGFQPIHETTGLPGFLHDILD
DPNLIKTGVIDEDMVELYRWCGRIGVEEERLSWATRGGVDTGVADRPVEPPLRRFDLGG
IGSSKPGGTIGLARLVAGILGVGIPKSSKLARSHWSAAPLRAREVDYAARDAWAAAAVLH
RLCELDPSRFSPI SILQRLAELEGSKGTNRIRPIGEVSDRAVQRKAVKLEWKALKPPRR
RNEDGIEVPQTTTEADTERLGILAEQMKALAPMQPIPYEIEESLGGENTLSFAGPVVNPQ
RTNERRMRAFRVEEMGEKRSTAGIMDQLFRIEQAEEWEEESTNESCSRLV
>comp17496_c0_seq1; 281 118 1344 LEN=1455; translated
MKKFLLSQAVAIATINVHGAMVEHNLKRKSFEP I IQKKDHDDEGSRKLNPSSSLDLGTLT
VEIGSSFSIDGNTRIVGGDATDSEEPYFVLMPPGGGCGGTLIAPT VVLTAAHCKPHNYLD
QKVS VGPTRGRYYNSGQKIKVIAIATHPNYASSSFNDFAVLLLLEEPYNMNSNIQLGMNEH
KSIPADNVVLNVIGMGRTSYNGNIAYVLTETNVP AISNDECKKANIRYKLNIMDSMICAG
RGVGDACQDQSGGGLVKKDGDTHTLIGIVSWGIGCATHPGVYSRVSAGLEWMSIVCDE
WNTGSSEFCGGLTPTSPSLPPTPAPVQRPSAPISQDTLKPCEDDPDDFFKNRKRKNCK
WVAKKPYGKGGRCRKKHDKGKIGEFCTTCSKNRCQVVSEKIEGSNSP
>comp17502_c0_seq1; 365 990 3000 LEN=3000; minus strand; translated
MMLLISKKGRVRLNENPENLDTDDDEYINKEDEIDNDDNTESNLILDLSGEGTLCIDGER
GLTSIVAHPNFLENGWVYLYYTRWSQWCLEDVLPQNILVRYTMNSTTLLLENEQLLVE
FGVLGERVHNGGMMFGTDGYLYLATGDGGVRQHAQNRQNLHGSLRLNDDGSPDDNPY
ARNSTLGVPCGKSDGVVPEIFASKEGGENVFCSEIYAWGFRNP I RMA LNHKGSNSEKVL F
SISDVGAQLFEELS WGGTDYKDYKDYGWP NLEGPCITDSIDDCPLPSPDSNRIDPFHYVH
KSYENGGCVAGSTFVPDGIWPEYKYL FIDFI FLKIY NLI EDPESDVAKVVHPQLLDIAT
KPVGTL CVCLNQAVKYFSGMSSLFDSQHAIFFFKKVFESIHEEGENINEARIIDMFFGP
YKDTEALYVIKYGNNSILRIRYTGVLGVPVAKIKIENEQENIRKDTTSSLPTSSASNI
GTGQVLP LQKTTVVGKGQVINFDGSGSFDPEGNLSFTWDFGDGNNSTANATNLSYAYEV
AGEYNVSLVVTDSKNKEHQAFFMVLVRKTP TVDMLSPKEGDLFSMGDILHLDGEAYDNQG
NRIPDDQLIWEVRVHQDDQLDLSLLNKRSGNDFHLDPALGPEDLNGFLSIMLQAMDDDGLT
TTIVRKINLX
>comp17504_c0_seq1; 584 1 1622 LEN=1660; translated
XEETKRNHDPDIQARPNQVRSRKAQAHARGIEMTVLRSVPSGSLQVLLRLWVLLAATVSS
RTEEATSPEALFRTA AETWQRKHSRGSRTAWEVWKSFAKTLVEKYELLGTESSPASARAA
AEIVGAMEEGILAIERTIFRETQQQPSGDDIARDSALAA MYTEYGRLLLLNSSEPPPPGDD
EGSTHRCFELARDPHTLLIGAPERLNEYKSKQLQGSAA SQEAIHALFGPLCRDNAENAL
RNALS DATLSEA EVLLETITGMDSKESVHARKPKEFVAELFDSFAETFDKLVGTLGYR
VPQIIGETVGEILGSEKSEGNARFGFGAIRNVL D ACGGTGLAGRELKAI DGSQDQ QPTR
ITLVGDASQKMLDI AKKCTTSKGCGLPATPSGQGGDDTKLYDALLDL DLEEMTLANTLS
SGADSASSFELIVAADV FVYFSGSLEQMMVVLSEL SHSDGGLLVFT CERATEEEEAPLGFRL
LPTGRFAHTKGHVLGAASEAGYSLLRYNQIVPRTEKGVVDVGH L FV FAMDGVSDEKAAEL
>comp17507_c0_seq1; 211 1 909 LEN=1365; minus strand; translated
DRFIWSTNQSGYTPIDLEWIRHNE LGNDVYTARPFY PVEATGVRNHCFKED EYRGLLKE
SVAQMMENHDAACSRCSQSELSSREAEAKATFGSLLDRISLLIRAAATSGPILDSKGMIRS
RLIESCTLGTPYSPSLPLPILQLFLWLRPQEVLEKDRLNMLPIHHALRFSVTL SRNLSTQ
NAVDDWRSFV FQLL GK SADQCKAKCRDGR LPLHYVLDHSGEDDTNGGNAFPRAKLQ SARH
AIVEKLI ELYPASVDQRDPI SGLYPFMLASVDQNL SIDTVFYLLRHSPSRCPDLRTFTTK
KN
>comp17512_c0_seq1; 312 1 728 LEN=728; minus strand; translated
XEDIFVRVSEAYSVLSDEKERRKIYDRYKGNGLDAYEKQDPASAGFGGFGGSGGGGGFN
GFGGGFQQGGGRQSSGGGFGGFGGFGGSGGFRGNGHGGGFD PFSMFEEMFSGQAGGGG
GFGGGFGGRRGKGNRDRPPALFPKGQSHVARLGSPKFPDQDSKHMVMVLFYANSNQAS
RAVSEKYEHLASQTNLPYKVGAVDCKLSPKEEFCAEKGIEPGHDLPSFGMVVDGELLRY
EDFX
>comp17523_c0_seq1; 151 1 1124 LEN=1751; translated

XDSVASVDELRRPTAMPTRDELLEPEIAATIPDAADQILSRSYALYRVDGATAANLRAAHR
AAVGGFFQEAMRAGCGCESDRRSSGGNSGGLIERFRRIVNGNLYGYNIPMQTKELFRTHHH
PRSGFGSEPNGDKGEEGAEKLFSSQQQPWPSSEFCVRSFRVAKDLDQLLSECLSQIKIAL
GHRLQVHACNSGSAKLLSSKRRQPVSLSDSVPKRRRTSLAGIGKPIDIESGRDTHVDFLR
SAGCPLDYFFYHNRVPHATNCSEHIDRGALVAVCLTDVPGLEV CASAPATSSERLFLCPE
VLVHNESLYRERSENSSSCDLVCIMAGDQLSRVLLPRENNHGYRQITPCVHRVRNPLKR
ARVSI SYELRLDDP

>comp17526_c0_seq1; 468 109 1826 LEN=2295; translated
MIKKTKPGSFFNLAVASVLSFIVLQSVDSVMAFAPRSNFMGFAKTQNRRLTRDATGQEEK
IQLCVAKD IRRNTSDNSQSDSGRNSTNDIIIVIDNSGNHNHTTTTTTKVDLLRNHAHISPL
DGDHGLHYLDPLHRFPKQRQDVYKLYNGTEDENHWNVTSASDAFPGTGQKPNKRKHNP
SYWVTSNFFTHRTDLGWYAMSPDRDNGDSRGCPPLQLISQAALGEEDRAESATKAEPNADA
GDPQSVSRLLAKSEFRRTTATNKMKGKGGNQPTALRNITHV PALDTVAVSLSCGFYRCSR
GGWKS PPLGGGGD TTKVHVWQTGFACLTDRDGERHFFGPGDTVIVPGWLGRWDIAEDL
KTVWF EHKSGGIEIERKDTEEVSDSSTEDTDDLQTD DDTAAVVRARVIRYHELTPDPTKG
YVQRSEHLLYASTATCKNVTLAGGGGKTPGPSPTPLAVSCVVKPTPGFVPAXTPAEL
RAGVSSGRLDGIDHESRQPKLPARI IAGSLRQARGSF GPARGMVRSLQTFGNCQGT TDLG
VTKMGWVAMGFDEMOWDAIQGMVWDENASATL

>comp17531_c0_seq1; 193 1 569 LEN=721; translated
XAASASKQGGTPSEVDNVGLRNVAEACIANKVPHLVIVSSGGVSKPDSVPYKFLNIFGGI
MEEKIKGEDTVRAMYKDIQGLTYTIIRPGGLTEDPIRGVSEIELNQGLKSGRISRVDVA
KLCVEATFYPELTGSTTFECYDADTGKGLSGVGSNILKKKVEPSEFVTGKERRGESYKT
MFSGLERDA

>comp17532_c0_seq1; 327 1 1092 LEN=1092; minus strand; translated
XGYVDHVPWLGVSSTNGQGIDEAARYEELPPSVFSP TGR LHPVEAAVRAGKVATPLSNL
LVAIKCRDGLLVSTYVPSPNVDARIASLAGSNQNTNTISSASIQQGNDDNSGHSDDGIES
NQTTTNETLDVSGSNNSNPHTGEESHYTPSLFLFEETCASTSTGPIFDIHPVMGATAGN
AVDNRI LGEKLLDLGLATTNFEEDDPLAGAADRVAKDLANQLQVVTQDITATQKQRLGRM
QRYVAIVMFGVDMYDVMYIFRESGVRIPYXKKA FNVPINLFLVDLSSTCSCISFSPTTDC
STVGFASPF AKSSAVVLGNKKLWRIDPTGQFWD CQATV LGHADRAEEAFCCRLF EQCER
RHGD X

>comp17551_c0_seq1; 181 1 884 LEN=884; minus strand; translated
XVFLVRYDDTNSTKLREVQIDNQSTVPYSTLPVKAERTNEXLTDRENV LGTKALKMIATM
IISTPCTSKRKS CDENDFPLCRLPEDVLCKVMSFLDAKSLCEMRKINRKFRESASKNSAG
WVDLCRN LWKNKIHV CVEAQEELRRSSSSCGCSHGNNITNASAMSAYRKSLLDGNNRDH
LTREELIFNPATGKGTVWSFRFKEAAGSDWTA FDPWYNHQPCKRMVFLDDGRVKIYAPRT
NKREDKEQNMIEEGHADISGGYADDILEVQSENMEIDDASTTRSPSRIDPRRNPX

>comp17561_c0_seq1; 324 1 1787 LEN=1787; minus strand; translated
XQHENKINKTGKKPQQLQKKQSIIDGGEQDKLFSMEKKT KMSKMRKGQLSWSGGHGTPES
CSDTKMRKI QYQLEQNARFRKKNMAKYVMDFRKRQSTYIAQSTTSAAGWEETMGVHARG
MQLFVDLSDQKSFVANSSDNESASENDGPWFVLHIGPPKTATTTVQCGLKHSRLAKT
DGYHFLGGGCGMQTKEYFMPNGEQVTLRLQILVALHSAESRSDYEAKRCHEPVSRYVEAI
EAEKHRQRFIDRASFLRSKNRSVILSSEQFGS QLSVQREIMEQTRSMILSTEDGHGAGFP
PDKVRIVLAYRHFVDWLP SFYYQKFFRLNSVMDREWHDNFRVRPLLEYIDEYLTKWEAHQ
RKVDKYVARKNATLIHEGHSPLSLLPTNRQSIHPSWWLYTVWSAYFPLPNQVQVYDMHSP
MNMNRPEDDMVTD FICHMLP SANDTCQNMDEADGKYDKSDYDNLDLHFSHSLHLPNRTT
DFLNNIGRGNKPGAKRNLKADSNNGD NSDEKNNGKQTMVVRPSSDHHAKRIVEELLGRG
DIKPF PYEYGT KYFEKLN EGGIMQDPSDAVTVNGYTMPNLLERANEILENHGVYS

>comp17583_c0_seq1; 105 137 1093 LEN=1440; translated
MPELKYSEGGALPSNAPEWAVAASQRIQERMAEKGRAGLYDNPPPEGISKILLHSCCAPC
SGAMVEEMLS YTEKYGLEVVIFFYNPNIHPRREY MIRKEENKRFAECLGIEFVDCDYDSD
NWKRMKGMEFDPERGNRCTECFDMRMERTALYAHENGFDAIATTNATSRWKDAKQVDGS
GIRAAARYEGLTYWYRDWQTDVMTLRKYQISAENKFYKQ EYCGCSYSLRDSNDWRRANGI
PKIEIGGDRAGLGNRYFSDPIEDAQEESQDVVDEFFAQAQDIAAAGSDRTERKNALEMYK
DRRKNEKEAGIDFGLNNW

>comp17586_c0_seq1; 486 1 1245 LEN=1245; translated
XRSRANQSYSSLALSPKGRYALVAGKDTIQLVSVGPDGLKRVRS LKISHHFYNP GASAPS
PDAAGGTGKAQQQQQQYGDLSGIFHLAAETRAAVTAGVANMNLNQFGNITVTKVAWS
NNYSAAGILPALKHSTRNLSQRGSNAGATGSAADAGTDESAALS STRAADANDRGNTQK
GRRRRSSRQQRKSASVEDADGDGLEGEDEETMKEDESLVAVAGSNGVVAVWRKRLLFSD

>comp17664_c0_seq1; 386 1 983 LEN=1397; translated
XCVQYRHF DGLCELSVAHEKKRDASSYALDPLFETMKGPD SRSRGSFQPQHV LQWHADKGL
YGVVNYGRHSIADLNRIMDKHTELRRYRWIPTVRQGYFGQATL LLENCKENNDLGNNO
WALSMKLTNMLVPAQSQQAKGQGGQIEQSLELVEAHQELLDSDKEKQCPMLPPEELVE
LAISKLEYCFDLDRVRLAFTGLSVCNFMQDKQAALDQMSR IWAEC LLADLSRWSEWAME
GIGSGSELAWLREEALSSTAFGLLEECRMDAAMKDV TYGRHIEKDVIDRVQGDHRES
FTRVLRVADTAATDTIRVDSL MVSTY

>comp17689_c0_seq1; 104 1 1638 LEN=1638; minus strand; translated
ALTDIWDNVSQYNVEDKFSKVRMLVQNRSDADLLVLP SMEHKKTSTKMPFLLQLAEISG
LCRAYKLQDLASLRMIELTLKYGSC E INLTGLAFALCGLCVARRHLHGEAYRYGRLAEMM
SEGENPYGRQAI AHHHYSMRHWRSSMKNSRATLDDLCRASIKANEVDNLSFQVGTYISSI
FYSGSAFDCEDTLLKLYDEKRAQHDLPECWNVTAPYRTL MKLSGEIPEVNAKV VVKPGGC
WGPYRVFMQGLVATHFVQMTTGRKKISHQKQAANLVGILTAWTKKGMN NKXASDRGTTPK
QSRILLDTAITFAYQDGFTHHAALASERAGLYFIHQDDKMASLYLSRAFSLYKEWGAN
KTEQLERRYKNYLGITSEPIRGIQKGN SCNLMTDSNRRPRDRSRGEIVRTASRRHGVRR
SFSHDEMINQRNQSSRNMMFARGSP SAPNIGRTYSFSEN RNSTWDKTSN SSRRLDRLSAT
KGLSSTRSKSQFLSTNDKNARTPDSTKSI PRNKTKRPALLRNLSSSLTMSVASMLTKP SL
ASRKEAX

>comp17695_c0_seq1; 563 106 1401 LEN=1516; minus strand; translated
MTPNDKDASPYDMILG SWPFQSSKAEGKEAKMRVQTQQATTSPAPKLALVDHSLDQESLA
SVASTIFSTSQRAQKSLFRPISPTPPEATELANSD FVTTEPLSDENFELESRISEIESID
LAELENPFREKKDPSSSDKSGIQKVASTDSSDSSGCKGFKNKKINLFRLSRMNRIRGSN
SIEKEAKSSREKTKTKSRKNASTRASIFSKSSAEEDVFE GVEDISSVEQEQQQFSMHEKWD
SLRVENISIKGSASHVSDLSSESVYSSSQKGTED EEEEEVQLKTKNIIKPFPIPTNESPA
TVTLSPSITSSVMSESTKKS LVNSTTARSEGSTAGFSSYESTTTTRDGTNSVNSLELEN
SGVETTGFFDYFAAYATAVMTECANLAAASGAAEYQQEFMTIFSGGASVNNAELRHQTSR
DVPSEHTRSTL

>comp17719_c0_seq1; 335 292 1080 LEN=1163; translated
MVSIRSPRIFTGVVVAFLASNASAFSTQTPASAAAKSASGEISKSPMFEY LKFDKNPKFD
VLEKTKTYVAKQTEDAGLNEEWYAEDYVLRGPVIGP INRKDLVEGQKGLDLRSAFPDIRI
DSFGFSIDPENPYRCFYMQRWRTNTGDMNFGTIYPATGNEMEAPVATFCV VWNPEGKI
VYEQVGAVVDRLEGNTQGKAAVFGLLHTAGLKLNASPGNKVFS LIQRVGHLAGNLGRSWS
KEEDIPTWWVSPSRGADGTEEV

>comp17721_c0_seq1; 217 138 879 LEN=879; translated
MGSKKRKNDGKAVDVSSSTKLIPSSSTPKLDTSNWPL LLLKNYHQLHVRTSHYTPLPCG
SSPLARPLDQHLSYGVINLDK PANPSSHEVVSWIKKILRVEKTGHSGTLDPKVTGCLIVC
IDRATRLVKSQQSAGKEYVAVARLHSACDVAKVQRSVETLTGALFQR PPLISAVKRQLRI
RTIYESKLIQYDEDRNLGVLWVSC EAGTYIRTL CVHLGLLTGAGGHMQELRRVRS GALSE
NDNLV TMX

>comp17732_c0_seq1; 45 1 265 LEN=265; minus strand; translated
XGNAQGD DLESRAEPSSLPSNAVDALAGVAPAXVLLVVMGEEENAQDILHRILQEPGRS
RSRGRKATVVCSTETRIVTACG GNAFPSV

>comp17780_c0_seq1; 321 1 1086 LEN=1086; minus strand; translated
PPFVTRTPPQVNQMNHRLDYGT P P P P P HAPYHHRL P P P GTNGSMPPGSFRHGPPVLHHRQQ
FGYPGAPP GHRFSPHQYFP P P RYLMQP L L HRTNSYGVGMVPSAPT P P NQQGAPATTKCN
QWVCDYCNVASFSSYEEACAHEEICKKAGPKAAAQLLSVSRSYSSASMEDESVSSNMSM
MVGHHLPANNPHLHPAFGNAMEAARRHHASLALKMGHQHRMQIDGNNSMISGSNNGS
SSSNNRPGKATPVSAGKGN SREEQQPMTEEERRRQEMHLHSLGGYIVYPNDVEMIPPYV
HFLMRQVEPCLFTEADR FVARSKGPVGYPGFQCRHCHGHAGLGKYFPVSSKSLSTNSTSQ
NI

>comp17813_c0_seq1; 194 55 491 LEN=491; translated
MKGLVSIPGILLWLSVGPQTALSLTTGNSKNTRRDFVNTAIIGTAGLIESSFP RVSWAVA
ADDSNTQLPFCVIGSNGKTGT KCVQDILNRGI AVKATSRNGIYYEAE GSETKKPLLLPTI
CDVTVPATIDA AVKGTAVIFAASAS

>comp17833_c0_seq1; 232 72 1578 LEN=1578; translated
MESHAYHEFD PQGIEKLLQKELYELSVEDRNDILEEIHGVRCVAVPETPQLLSESLMMLE
NELRNTYASSPTKTEHAHYSRNEQQELKLVFQKSLQY P NSYIHQNNFRLSFLRYEFFDIR
KAARRMVKFMFCVTKYFGDYALQRKIVLSDFTKPEIKVMKLGHTQLLPFRDRSGRRIVCV
FPDADYFAIDYRIRIKIALYMNFMGSGGSTLEDDIQDDADTQRKGAVFLVWMDSKSKPN
IEPPTPAVDGTAQSAAKKSLNNNIDLIRTMGIEFQQASTVRVSAMHMCTPDTPLFRLQRS

LISLSFGPFRSRLCMHLGAEVEVHYVLKGYGIPTEQIPISYSGNIKTNELKRWCATRSIM
EDPSLQTSFDRRNLVEFPRLIDVVFKNGTSAYSNPGNVHFRSLMEWKYEELQHKTKQIKLV
RGQKEVLVKHLINGLLEIEERNLRLNWNNAKDAFWCRLCETKLIRKLSYIVQEFLEKS
LRDAAATKSKQVSQSATSIFLQX
>comp17848_c0_seq1; 275 1 1010 LEN=1166; translated
XVAVPLRPGGPHRYNSDDTTDRPTDRPNQPAKQLRLPVVSEHDRDETEQNVPTPEPNPPVV
PPAAGVLADRRGPGLCFSFRPPAPASSSRPSTRLLGGGF GKDSPNYKAPSKSYGKKELEP
IKDLIDEESGMREFFESNEPWQPLFRSVAPDDSVPAMAF LGGAAGEGLETTETSSPWRKL
PAVPTDEADIAVLGRFLDAMQTS LI EDIPVDESTKDDENDLHFLEEGRRMLVCSRYHVVO
GIEKGSVETFDRLFSICWSELTELREAGEEDSGSLIVAPGFDYDELRRFVDMNLQRPLQW
LGVEGFVAVASLEKGGGLGVIRI IYKLSDIPTLPRG
>comp17852_c0_seq1; 80 457 634 LEN=634; minus strand; translated
MDQPSXTDGAEGTADGKHA A IENEGGGREEKDAVDSTTDRSLTTETRLQDGLAVDGDXX
>comp17928_c0_seq1; 284 1 672 LEN=1593; minus strand; translated
XVGNQRNNDYKQQAMHPGEKSGATLLDDASVGSINPKD V D A M V A K G I G M L S I R D R N A I Y E
EIHGVSSMAIKETPELIRDSL RNF E KELENA DHAKKFA Y D A I M N Q E E N A V S K D V I T D D A F
RLRFLRFVFFDAKAAVARMISFLDILHTLYGMEALKKFDDSMDF FINTKELKIGLRAGYI
QLLPFRDRSGRRI I V F V T D C L K L E S K V R V K D E I E M L S D D Y P S F Y
>comp17936_c0_seq1; 283 70 624 LEN=843; translated
MVLVLLLLLLPLRPFLLPPGDS CG I A S D R C D V E V A S S P E L L A D V V G V D G T L D S S A D F V F G A N
DTLRLAFPAGEFTTVEEALWSSCSLRDNC SGDKGCSEAFGERVSDSKDAAFRTSSSSSFES
VFRMTLASLDSLGGVLIPEALPTLLPPGLRLAREAKANA EANSV GSTFFLSDGLSMVTPS
IVSF
>comp17958_c0_seq1; 178 1 540 LEN=540; minus strand; translated
GLANTDGDPSDPIRDAIIEVIDV D N R P V D E D D I F G P K V A C A N Y T F E M T T D N Y P G D N N F F I
VADSAVGEIFAEGVPMTESFTTYSTE V C L P Y D K K Y K F V L Y D Q Y E D G I C C G Q G K G S Y R G L D
PKGNIIFSSSGVPEGFDVKIEYFEVGVNPFVVP T A Q Q T Q I P T F S P T V A P N P S P T D V P T K V
>comp17991_c0_seq1; 132 370 582 LEN=666; minus strand; translated
MHTVFGQVLDGWDTLDKWERLPVWGERAQSRSQKTTPLEPPEITGITIHANPLADEGIVY
PTPSGPPEKK
>comp18028_c0_seq1; 90 1 540 LEN=540; minus strand; translated
GHSVVAAGLRDVLALS AVPRTRQNDSGAFQVQSAPRQYLGSWGS GDSCQLWYRTGKDRIP
DSLEYSIGLKSEEFYPKQYALEV V S S K G G T L T V Y N H F D E D R I V Y L T Y L T T S A R A A A N K V Y
PKTKVSMVKEPMQTGHTTIVLDP AHDDNSDVMHRTRTS AVGLVKARSKGILEFTPLEEYT
>comp18065_c0_seq1; 79 1 575 LEN=575; minus strand; translated
XSKSTGSNPLVRKRRLDV S C T I S D L H Q R Q R R I H P D K K D R G N I D S T F T E T P N I I D G I N D D
RRNQIESALLTFLRKYCVGTQLDEPLLD R M L P N E S V S Q E T N F I G N L L V S Y P I A I E A L L G Y
LYKPGQRVGSISLRQKCGRLTAIAVLVAEKQSFEEAKKIDPNVLEPESDEEAL T Q M L F E G
SKLCEQLENMVS
>comp18100_c0_seq1; 172 1 830 LEN=830; minus strand; translated
ALFQLENTHMNMIGQLLFARQWY Y L S I C D E K N M G F A H K R W R S L N A E D I T V A L D E T E S P I N
LERGNVTNENDHGKNAMLPDSLSSRELLARKVGRFFAEAEI FVQEREK D A S R I Y D F D R M P
VKDSEIPLSMAHSSATDIDSSLATSCSSSSQENFWNEWYD Y R M N S V N D R Y V F V R L S L R D G
TGRFWHGFRRLTTEHNRTFFRMHFGMKELIQDMQWTELESYVQAQDTGYTSAENRLKTAK
SLMRTTQLT V S L E G K L L M A T G G Y S K C F T S S G T N N R S X
>comp18101_c0_seq1; 269 1 715 LEN=1712; minus strand; translated
XPPVSRKKRNRTPPSSSDEESGKQSQPHIKEFYSDDTFNPRRTNDLVVKEMMLLSVGARN
E I I E E I H G V R C M A R K E T P E L V E N A L W K M E L E L A R I P P S K K Q A L V S A Q R S D D N N T K S S R P S
SCPSYVNTKEFRLKFLRCELFD A Q K A A L R M V G Y L E L M V D W L F P T S S H P E I L R R P V R L S D
FDEEEKLLIRKGM I Q L L P F R D R S G R R V L A G V A T M G I R N N P L M V V S I V C F V L R Y V V C G M W
>comp18108_c0_seq1; 174 1 550 LEN=550; minus strand; translated
XGGALPARDQRILAFGGAAAMVHPSTGYHL CRALMGATDAAEAIEEELASETPNLDRAVA
SAYNALWSRENIRQRNFANFGGEFLMKQDVVGLRGFFDGF FKLPLELWGGFLAGWPGLAN
NEYHESWAKRIWFGLN FIVKLPVPVALDMASSIATYSIFNEGWSLIQSVPFLDPPPSYE
YKQN
>comp18136_c0_seq1; 58 1 214 LEN=214; minus strand; translated
XRGDVAANFTQFGVGCFSFSDTEERILRQEITDQACRGWFSSGLVSSGLTTETSGDENQ
HAENTKEISFTK
>comp18191_c0_seq1; 69 1 329 LEN=329; translated
VDLTEETYTDDSDSGESTKKVGS S G S K R S R A L S T T S N G G I V S Q G D E R R S S V K K N V D A T T R

GFLPFSSDGGSRSKKSKTPAARIVYLPPQQRSNCSIGRTRKQLNKIKG
>comp18193_c0_seq1; 118 1 466 LEN=789; translated
XQRFISIQLHGKAFFLEDFHKKLSVLRGLYDRVDKASRILVCHPQPLQCKVQISSSQDLH
GLVRYQRKASGSGSWFGPGYLVRICALRRKLPPLAFSGRGNFFGLGRWKNLWLVGVAVIF
AEAIDPGKMPEFDGNRYSESMVGESYKSSISDSLS
>comp18275_c0_seq1; 382 1 1180 LEN=1626; translated
XNHVQAFSTTSQAFATKPDQSVTFSRHFVWASIGESFVDETSNDDTSSSATASSLDWSF
LDSVCLIHCPNGDVGDNRIQSTRNINLNTINLLDSTTIKEFETDDEDVRVRCYTSHSVSVFR
DVLGANSRGSVSPGGFDFNFVQKVNARSIDSKNDGKDLNVLIFEDNLSLGNRILTQDT
IDAVSDFIENKNSKWDVIHLAYIPYVPLKVSKTNEERIVKLSTSNQSALGTTAYIINK
RAMERIEEDDQNGYTLSDPKMAVLFGDSRYALNPTAFVRAPATKSLVNPQLDDLRSIL
FRPTVVSIVQQILVVTGLSTTVLLPLVILLVLTSSISSATSSVRAAIEFANYGTVDGPLL
FPIMNSIISLFLGLIIQGVLLAPKPEEENDDE
>comp18284_c0_seq1; 71 53 355 LEN=355; translated
MDAKGPVVLIGWRDLLRNKKAQPKSETAFAAHNPGLHVHRHLALLPVGSLPKGRPPKALL
LVPPLRPLFSLPGHLPRGYAAPERADEHPDRPQGHADDHA
>comp18291_c0_seq1; 0 1 204 LEN=204; minus strand; translated
GAEGVLGGTRRKRASVADLSVTAESSPGGTSNDAGVIFSRNKRQAGNDSQKGKGGPIN
SMAESLSQ
>comp18341_c0_seq1; 326 1 589 LEN=589; minus strand; translated
XEDPKKEGEDADNKDKTSDEGDEKSGEKKDSDEASKEGDSKRRKIPKAFLRPLLPQQRK
RRAHRKTHGKISFRLLAQMVGARWKAALPDDDRKYYQDLAKEDSIRQKEAMKEYRMEQRQ
QDDPTGESTKEVQVKAVSSESAAAEEATASTANKVEPEPEMVEETKDGDENEGKKEEKSDEN
ADTEEEKKDSNDTDMAVX
>comp18388_c0_seq1; 548 1 1356 LEN=1356; minus strand; translated
XGEESAKPTDGTSSKKGIFMWFKEIYSTCLLIFCSIIVLTVIFEKNTKISEATAWGAFF
LFWIALYWLMSVEGGQASLVGLPVDMELYKESHPTTHKIMAIINKGETLDRYLMGRQFM
VLALVFVENLCVHPIDASLSILGMPIAINKIFLDTGLAVFFMTAMIGKISAQVNASRCML
DYVNNFFAYFTMQTARLIEVSGLLHCCYPVQIFFAWAAGQPLESKEPPRSLVQNIFFWAR
VLVSTAILCFFAVTLYAILNGQTTMWEQVPSWLTILLFFLFMSVVGMLQIAFFAVA
RMTEAERARSTWAKRTCDVLFEGDGRNLPGFMIQRQMCVTLCFIIARVTTVQLQAGDEN
IFGVSDATQAFFATGLLALITIVASIAWQLVASAFPMAFLSTPITYVLLRFCLALEWT
GICQGSWVARIHRKIVKFKRDEVYIGTAEERA
>comp18400_c0_seq1; 36 1 222 LEN=222; translated
XLGIRSHRDELVVVATDVAADLIGVAGSDHLRDLRCVCRPVDHEALAAASCSSTDHEPVL
RFGGIAGFALSLSX
>comp18451_c0_seq1; 126 1 780 LEN=780; minus strand; translated
XDGAKCMVQSAVRAAPIALSILVLTWAAGSVYQALGIDRVVISWIVSDTISVEILPITIFL
STFFLSITLSSMTTISILLPTIMTPLVDSLGGDSKMSLVLASILSGAAAGDHIGPFSE
TTIISALVSGITVRRHFITQAPYALFVLVMSLLVGTLPVSYGSYPAYVGYIIGVVVLLLF
VILVCRQVKRYKSSIGGSPMPVSEVLHPMIAPQDKRREDRSATPMHPGTDNQQQPRT
NEPLDGTDVVEGRESFKSKLX
>comp18468_c0_seq1; 283 239 1211 LEN=1211; minus strand; translated
MTKKLGLAPGGPEDEDGIPAFLSKAITPPHVKSINNALELLVNLGAVLPETNDLTTLGEC
LSVLSLEPRVGMVIWSYLLGCTKAASQMAVAMAYKSPFVLPVPPHMRREAESQLTSLDN
SESDQVTVLNAIIKRDQLMRKSKGAYRAWCQONFLGASSLQMIQDLRKNLTRELSLGF
DPMGGGYQNRHNKQHALWQAAIAAGLYPNVATRKQGDVNFSTMTNRKAKIHVSSVNALKG
QPLNSKCQVPKGEIEFVFCYEMVKGSHFFTLSTHLPVSLPILLCGTSLSIQPIDDAE
QKHSILNLDWIIFKCTTDVASRLX
>comp18470_c0_seq1; 112 1 497 LEN=497; minus strand; translated
XQHFTIDSGRRTPVTSRVIQNNPNNGNTKSGNVKLEKLCINNCANPFLEYLIEASMGMDL
FREFELQGNMEEEEEQAAELQAAANVRRGCQEASGGANSRDDDDGMDPRGPLQSNIFALD
ALGFRMRFSRRLRKVELINLPIITRDHAESLMYGIETNDETGTGCRXL
>comp18484_c0_seq1; 59 13 211 LEN=211; translated
MKRVGPVIVILGLNGFRIQSIQIEVAGNLNVSPSCRKMYSNLSLFRGKDGSGRIYPQQAAGNG
NVSLPRX
>comp18514_c0_seq1; 268 1 477 LEN=477; translated
DGDDEKENLIDDFDDYQSTISALTEATNYNSKSNINQNYTSSKTFVIVPPPSSPANHSCQ
TSSTSKSSSRHLEDFLKTETESLRKLLATVESGDDESTVVEESVRGANEAEERMAKEMERE
TQLLLLIGDHHGDNESMVEEEACCEGHSSSLKNDDEMVOVV

>comp18515_c0_seq1; 209 1 995 LEN=995; translated
XKISMGFALAMGTLVFLSLRLAGGHMLTGMVAVPNSDVFRSACSZYLYTRSWAAPAVLFLVL
VAEGAFRNGDCKTPLVAASVAAVNLILDPLLMFPLRMGMAGAAAATAISQIAAAALYA
WRLWKRQLLPQPQDSCGSIKAGKVVKDIIGANAAMLKSNFMSLVFYTAATTTATRIGAAH
VATHQVCLSLFWLLTMWLDSSGVSAQLLLKSIKIGEGDSIQIKSLTKYMKVVFALVQGLAF
STFVCGIGRYVPAGFTQDPVVSRYIMQCIPQLCLQMVVLSLCLVLEGLAIGGKQFRFMAS
GTAVATAVGLWQMRFATSVVVDIWSGAVNTFFGX
>comp18569_c0_seq1; 233 1 727 LEN=727; minus strand; translated
XPAGTEANETKRKRKTKQKRKRNTPEDETGTNKPTGLPMRLARYALLASTASRPSSAFSP
SGSAAPGSLRLEMSSSSSPPPLCLADAPSIPLRNGMSPHSIGFGTYKVGFPASASSA
VATAGAASASSPGRTAEECVGDALALGYRFLCAEFYGNEDVGRAIAASGVPREDLFLC
SKVWTTTTIEEGPEAVEAQLAQLEQLSDLGTDYLDLQVGVAVVVAVVVAVVVVVVVAVVL
WRL
>comp18577_c0_seq1; 98 35 229 LEN=388; minus strand; translated
MTATDSVNMGEDVLKGSLLTILGSAMHGLTYVICEAVMTVGEERLTAAQNNFVQGSVAGG
VFLGW
>comp18635_c0_seq1; 66 1 219 LEN=219; minus strand; translated
AGESCEFPSTKICSSPTDGKLEGRAFCNTNHGTCMDDARLGCDPCPPGFYGFSCYEYSRDT
VSNEENDNTVWEG
>comp18641_c0_seq1; 54 1 244 LEN=244; minus strand; translated
GGFGSVTACKKGTSGKLYAMKVMNKKRIKVKKSELLALNERKVLAAVESPFVVNLKYSFQ
STDDIYLILDLMTGGDLSYHLX
>comp18659_c0_seq1; 170 1 789 LEN=789; translated
XLAPTISPVEITTPSETLTLGYTASPVTKSTKERITMDEEKGKREERRAFVDSSESREM
ESLAPAVDEVGGDQTSERSFGDSDNDGDSVAEGTGFLMMPMKGSSRQYLPVPSSTNA
SPSFSSDESGWSLFLHKTLLTDEGIAFRGFPLLESSGFSTKLLKFCWTFLSICLVHLVV
AQFFDDRDMFLRLSYVWKYEGDLIVRDCVFFVVGRLWEKPGIDHLAWMGALVANIYFE
SQNYIWFLOHSVTLFQMCMWPWX
>comp18665_c0_seq1; 201 342 1687 LEN=1687; minus strand; translated
MHSYNCRRVLQVTRLYTWILDETPLSGIIILRFLGASIGSNVSVEQPFLFEPDLCKIGDN
TVIEFETQFCTSEIKSGYLELRGVTIEDNVKIGVRSILLGGAHIHRNSQVVAKTTVDYCT
STTREGQTLVGSAPVLDSSAEHVPPRKTSECSTPKKWRPQRGNGYLFQMVAAALTIIEVM
TAIAYVGSLLIGGYVNERFGSISGLVFLGSAFQIICCFMWLCVVALLRLLIIPDLECGKLY
SSSWFALRKWFLDRIFLSPFLIYASQVRLQTSSTFPWYLKLLGAKVGGKAWINHPIVRVG
VEHITIGDDFHIGVRVENVESSDDISISFTCFQSNHFPFRMHAYFSTERQESDGVWFDRM
QVGNYSFSGQRSVALGGTTVGSYVTIGAETVLPFDFTAEEGSTAFGSPPMKFTSTALFKD
IVTQSQCYAKEFLLDHTHEGKCDTELVA
>comp18699_c0_seq1; 194 1 684 LEN=684; minus strand; translated
XGDSSFQQRQYGNLIRDVAVFHSLSRNDQYPPPTPSSLLCERDTVYVNNHFAIPIDAA
GLNGNSYSYSPFSPMSPSVYSQHKYGAQAESAEGGPVVLPHYTLLFPHASPSEMLQTFHS
SGSAPPQQLKHLLSVCPQKSLTQISIDANLPMHTTMAIASFLVAHGACITSPVNSRSR
LTCLGSNSIQRIRELTLDFSQAFFGVNLFVVSFLTSSRHLGDTMAVL
>comp18703_c0_seq1; 121 1 636 LEN=636; translated
SPESENEFLADIRSVMHVPVCGESNKGKNSNTPLSNEQRLENSTDGRTSSPTGTVTPQSL
CSRDLFRKRSNLYQVKSSEKCYNSSSANRVAKQNRRRRQRRVLRKRIRTVGSTIVLILLC
TWTTLGHWQWNYPQEHFGTVLQNTASRIHQGVVVLNDVKHTREKAVALLATTTKVTRS
YIRDVLPPLADDTKVLVAQTIGNGVSFADQA
>comp18720_c0_seq1; 174 1 951 LEN=951; minus strand; translated
XATESMPAMIKAQEEYLKNSAPIGKKRGRSNKNFNNTTSGVFPKGNVQRPKTKSTKLS
ASAGDRRLVDGATVANPRRAGRQADMRRRRGELGKGEHSTDMSTALMGALHDKGQMGVI
LRKGMKNVVLSSYETTRSFRLAAIQARSYQMTNFSGERNLSSGGGDLKVIYRGSVNK
TKEEEIVDRIPRDVLQAVLEGIHASNKEALRPENLSRSLSPRVLWSCVKLFPVLSNVPDMY
RQLLPDLNWSFLRRRAEQLESEKALENKRQAMDEDEGIDFERASNVVAAVEHAMEHLQDHH
AEERKARQAQAAEARLX
>comp18742_c0_seq1; 366 1 929 LEN=929; minus strand; translated
XVYEATAIEQVYSLYLANQVFGTIIPLNNTNINISGRNAVFPFLTQSGVDRGILRAIWT
ADPQSFGLTNIQSQFHVILRLVAMAQAGMLNNDTTIMGSAISQHASRQLPLPVFSNIAI
PHVNQLMTMYGHLVMNVQSSSEEKIADATNTTSASGGFFSLQPSVLQSKGYQFGGVIQTP
QKEQSPNVSTAPSIPTPGMTTTEASITHDNDDDDDGFGDFGSAPSIPVPPRNTVVSSFGG
DSFMNQQRQQQPFVTDVDFGRTLSEPISGNNATPVIVPTSMSTLSVSDAFEDLGAVDAP

LPSLNALGSS

>comp18748_c0_seq1; 144 1 350 LEN=350; minus strand; translated
AGSNTGSGSVNAATKTKSSSLMDSIFNSDNSTFVANKTSSSTAALFDSTATETAPTKEYH
QFPFQQQLPERKTTPKTDNANNECDDDADLRKTLHNRKIRSEHRPLMRKALDFPGV

>comp18756_c0_seq1; 348 1 775 LEN=775; minus strand; translated
IKAELLNASPNNAPRESEIVAQAGRTGAVTVATNIAGRGTDILLGGCPKTMARIKLRVSL
VENGVLSTEEADALPPSPPEYYPCELNDVQYMMKDAAASLRNQFGSEMTSLGLNEILT
IAIDTTEAEDDPEHILKLRNSAAVIREIFSEITDADRDLVQEAGGLYVMGTNRHESCRID
NQLRGRAGRQGDPTSRFFLSFEDDMFVIFGGDGLQNILKTFRVSDMPVEAPQVSEALD
KVQQAVEIKYQEIRGEIFX

>comp18786_c0_seq1; 110 1 361 LEN=446; minus strand; translated
XSDLAGKRQKALEKSEKLVGRIGTALNFIVFVCWYGIPMMEFSGHRVLSPTLLSREESA
EMAASAFNSYMFPLSYLGMGVRISKWGLANPKASTGALLVWWSAQTTVGKIMDGLLETLDD

>comp18867_c0_seq1; 201 1 971 LEN=971; minus strand; translated
XGGAAGTVFFQFVIGQILWAEKYKFKPWVHFNNVSYIVFDPVVHGNSSGVDVTMOKGMKI
SYVSRPMGHRRAVPGAPVGDPKNLTPFHFDGDGVWNNYFEPISDFAPGDKSCEKPL
VTMDLYLVTPGVHGFSGAPRCWRYEYLPDYITKPHIPLNDWLAPQRQSAHDVFNRYIRFL
PHIEELAEDANPYCSLHNSCLGLHIRHSDKAAGRRLVLETDEFPLPVQSFLAAGGKWVYLA
TDSENVVDHIKNRWPRNVLKVIRSLGDNVVRNSNDLQAVFDIGSHHRTNTEILVEILALS
CQFMIHGLSAVTESSIWINIDLHYX

>comp18892_c0_seq1; -2 1 320 LEN=320; translated
XPGAQPDELSVNSFHHPCLCVLVLVLPVGNLDPSPRHKNICPQLGVVLILTVPKPRVQVVP
ALADPALDADADKESPQAPGQARVRGQSSTLKGTRDVGSPRPDLLX

>comp18937_c0_seq1; 55 1 336 LEN=336; minus strand; translated
XAEGTVPHPIPLGATTRFNALSCKMWRRTARTILVLGFLVVFVETTAVAPGSTDSVMSPTS
QPLLSHRIVSNSHGEYVSFDPNATEYWFDAVIDHFNFRTPEQGTFFPLRYFVNX

>comp18971_c0_seq1; 105 1 215 LEN=215; minus strand; translated
KSGKGSAAISPIAAEAATIQAPEAEGLLRASDRRKAEEEDNRTVYMEHIPKPRDLQEIRA
QTMVKTDLPLPX

>comp18973_c0_seq1; 143 1 281 LEN=477; minus strand; translated
THKPSPYPTPRPTPLPHTKPSYAFVTSISSPDSSSYAQTDDDAHEIPYTTASSRTNQVA
NAKSYTRTNAQTNTSPYASSYEDAYNGANVTTN

>comp19087_c0_seq1; 146 1 346 LEN=346; minus strand; translated
XRDEEVEGEDIEEEDSLEDNASRWIRGSFPEKVIVIGGGPAGMSSAIYAARAGLTPLIIA
PAMGGQLQKGVVDENYPGLANFTGPAVIAAMRSQAIFGAKIEDDFVTRIDTSSR

>comp19158_c0_seq1; 149 1 333 LEN=333; minus strand; translated
RVHWPVVQASDGNVQMVNDFKNALCIGSDGFSSDGDGDIDGTYRVKDGALSPLGVGLEW
GAGSDTNSSNIMSTNIVRGMPYATMVYSDSSNMVPTIYSYNGLASDVQIDR

>comp19208_c0_seq1; 188 1 194 LEN=318; minus strand; translated
XGGGRYDDRGGGYGDRGGHRRGGYDDRGGGGGYRGGGGYGGGGGGYDDGYGGGRGGGGG
YDRY

>comp19209_c0_seq1; 78 1 246 LEN=246; minus strand; translated
RRMLRTPQFLVELIGEGGLVPGEYHRLPPQQRERREFAFGDRDGATPAHIAAKLGNYS
LQELVEALTTNAGGHRRRLLLG

>comp19251_c0_seq1; 22 1 251 LEN=251; minus strand; translated
AGESSNSKKDIIISKPKLNI SDPRKLPRTCGVLYARDKKGGFVCSGCEGDLGYGVHVSVP
GGRVKNAEAYSNYVNTQKQMKQGT

>comp19261_c0_seq1; 61 1 227 LEN=227; minus strand; translated
XAMHSMASFRDSRAFANSKVAGQNLAREAERENELSETIMNKTLQEDAAKDRLKKAQAT
LELANAAQHHTTEIDTG

>comp19262_c0_seq1; 129 78 295 LEN=295; minus strand; translated
MQLIRWTDGGFGMAAHNYDGDMLTDQIAQVHRSPGFITSNLVGVNDDGSLIKEFEASHGT
VSDLWHDHLAGKX

>comp19333_c0_seq1; 154 1 246 LEN=246; minus strand; translated
PIYKKVAKEFEDRAVFKVDTNMQHELRSARYQVRSPLTFYWFVGGKRVQDEKGGIGEAAL
RQYTNKAVRQAETENTKLLLLDD

>comp19392_c0_seq1; 91 1 525 LEN=525; minus strand; translated
XGEELSERSVKALPTLYRFPCTETRNQNCWSETPNSMFSVRGPGYMNKDGTKVPSKKYILQ
ARGCDLFLTNDHSSPTILKAGLGGNLRKKPTYVFRFLFPWGVLIQYYEVPKVFVPMK
MDMTKQEKRELSIEGFTKAEIALARWMASDDAEFKNERLKLIAIVPEGPFLVRNLX

>comp19430_c0_seq1; 32 1 254 LEN=254; minus strand; translated
EHYVYVSHQNVYLCAVTTKNSNVFLIFTFLYRLAQVFKDYFGSLEEEESIRDNFVVIYELL
DETMDHGMPQSLDSNILRSFITQDA
>comp19478_c0_seq1; 76 1 214 LEN=214; minus strand; translated
GVSSASLTFAESNIHVQQEKISSSGATDTVDETI PSADGLAHGHNQGDQLIVSAEENS
GNEDTIMNPAGX
>comp19506_c0_seq1; 16 1 453 LEN=453; minus strand; translated
XWGMLRDTAFLATGGSYGGNLALWLRKPNLWAGALASSATPLKHLRESNSFSRIVAD
VYGNVSTACPVKIREGWFDLFENVKTEAGREIVKNELKLVPSPEEIKPENVAREIYGW
ISGALETMVQYGYPTPEFYNPVPGYPFRVAX
>comp19530_c0_seq1; 40 1 261 LEN=261; minus strand; translated
XDKVVATHATYIADARNFFIDTLIASGAKEVRLVYLD CDFDVHMDALWKRALRQAEQFPG
TIEEGLEAFYGGSDFFSFKHQKNIET
>comp19540_c0_seq1; 131 1 300 LEN=300; minus strand; translated
XFKSLFRRSTTNNSNKGESSFPDVSSCKALSITVRSR DADTYEGYYVSFGTDRVPGGHHHA
MGYKTHFTVDSNNEFVELTLPFSDFS AHWDDATGKTTVTCX
>comp19573_c0_seq1; 17 1 291 LEN=291; minus strand; translated
PGLVYLG IHGDDFINRLANRILALNTNKASSNASEVDLPLEGDATAQMSPGGRAVDPRQ
VFSTEYLSGYRKPWFVYVLGMPLFVKIALKGSNGLSE
>comp19618_c0_seq1; 103 1 242 LEN=242; minus strand; translated
XPGRAPKDYNNLLNYIGSRDVGLADLSEEEIIAEV DKGCRQVLLKSDAPPAKVIGMKVW
PTAIPQYELGHLPI MKELEEAX
>comp19704_c0_seq1; -10 1 285 LEN=285; minus strand; translated
XGDDPLTVQERRMIRRISSITVSHPSTRRPSMSAGMGDYEADSQMTVTMTSRTEIFERR
SSITSRTTADLEEVPDNIQDSEKAEMGF SKITIPQG
>comp19716_c0_seq1; 42 1 204 LEN=204; minus strand; translated
XRAQNSVVQRQLVAQKELDIKQKERRDQSE NENDNKVTS SKSQRFGNAMSAAQKFVSGVF
ENDQKKREX
>comp19817_c0_seq1; 147 1 277 LEN=277; minus strand; translated
XTQKALPLAIRHV NATDTNTPQKS NYPPSPAKTTTTIHNMTTADTSPVESSQTCPRQVLL
HENAQQLNHAA NFMEVGKLD E AIDALALLLES
>comp19878_c0_seq1; 62 1 318 LEN=318; minus strand; translated
XRARVTSLTTEELSGPWDEVRRKILWAGGLRDL PNARPGQYTGHSFN DYNHVDLTCMRD
DVSDNENDG SVKMIAIGNQLGPGIRQASLP ELGSGGSWSTCAIGCNX
>comp19951_c0_seq1; 88 1 333 LEN=333; minus strand; translated
XEEHKPLNLCEGD CDTDDDCVDGLICFHRIGHNHVPYCHGGMRDETPSDYCTYPPDDGAM
EASATPSTAPSAAPSATPSAAPSATPSATPSAVPSMRPSLNPTESPSVSPTX
>comp19958_c0_seq1; 125 133 299 LEN=299; minus strand; translated
MSGMPMAPQQT MFVDQTTTATEIYHQTVPAASNNGSQAPGVAGIAQHRQQSIYQX
>comp20094_c0_seq1; 55 1 240 LEN=240; minus strand; translated
THSATDVSMCWKEIFGQDVDFSWDYGMTDGN DVSKLHFHSYRGGISESRPAAML IHYGG
RAGKNRLGAYA ALEEMGMAA
>comp20109_c0_seq1; 42 1 254 LEN=254; minus strand; translated
XTGSRVGALEDKEAGVRVCSNLATGEWDHVELK LFDASCNPYLGLAAVLSSGLDGIARG
MELRPPLSKDQRG PLLPETLLDALD
>comp20120_c0_seq1; 110 1 473 LEN=473; minus strand; translated
XKMKRAKEGRKSIPPPSGTKPIDVLVNNAGAGGFPSRELTV DGFERTFQSCYLGHFLLTA
SLFGEGLLKENDGEGECCTVINVSSLAHRGARASHGEGSEDA AFGFDFENIQSEIAYTD
DVYSQSKLANIMFTKELDRRASGR LRSVSLHPGIIASD
>comp20127_c0_seq1; 72 1 210 LEN=210; minus strand; translated
XSGTTSAGNSNNSNSTFDLNDFP SLGGTVVMQGSNNDG SNNNNNSNSGLAAALRDQQR L
LAHQQLLQQQG
>comp20265_c0_seq1; 36 1 271 LEN=271; minus strand; translated
XECFEQHSGDASLYPEYLELGHGSPHYCTKEGKEADVYNDWCPYIYFGPNRGKYRHPHVA
FAAVETYLANLVMPDKCGTTWDDSNYPPEVD
>comp20274_c0_seq1; 17 1 208 LEN=208; minus strand; translated
XGGGGQLLQFPWKLHEMLHLAEKNGKTDIISWLP GGNFGFKVHNKELFCEEIMP GYFASQK
YKTFQRSLNL
>comp20385_c0_seq1; 50 1 206 LEN=206; minus strand; translated
GLVAAGLCIGFFVMFLYSAAFSDVSGEIGVIAESVRKTKSHPVLMETPEDGEADTDAVDP

NHPPIQHPP

>comp20422_c0_seq1; 181 1 772 LEN=772; minus strand; translated
XGYELYDLVMLSGGGSANEVGIIVRVGREDFTVVNNHGISRDVRPEELRGKRNSTSNRAV
ALDVQGNQMRCDQVNI AEGPHKGTATVKRMSRSQLFLYSQTRSEHAGIFVVRSRKCLL
AGRSRQQRGAQVGDASPFATPQSQSSRGGPGGGRGKQDSLIGKTVRIQAGQWKGYLGAV
CDATATHVQVELHSRLKKVMVVRERVAVVGDKYGAVEDVNQNDMQNGIPTSFTTATPMHG
GATPMHGGATPMHGGATP

>comp20480_c0_seq1; 35 1 244 LEN=244; minus strand; translated
VDDEFHKTDVHTGTLSEEEEDGRNIWRDHPIGDTRCTYPVRDYIFSDSVITRDEICPEDD
GDEDVEEEFSGGAGICDSYNPX

>comp20491_c0_seq1; 102 1 228 LEN=228; minus strand; translated
XTVSAKNNNDKTIVLERFEGEHLDFDTEPSTSSLSQAVATNEMKEELWCDVLDGDQC
PVEPSVSFGEALRDRA

>comp20581_c0_seq1; 48 1 254 LEN=254; minus strand; translated
XQAQKSGIDVFRVFDLSNYLENLKLGVDAAGKAGGFVEGTMSYTGVDVADPTKGYNLEY
MKLGRELVDMGSHSLAIKDMAGLLTX

>comp20695_c0_seq1; 84 1 321 LEN=321; minus strand; translated
XLEKEDVDRVVLVGGSTRIPKIQELISEYFGGKELSKSINPDEAVAFGAGVQGSILGNSS
PDEYANIILLDKTSLSMGIETVGGVFPVIVKRDTSIPTKKSQIFSTNX

>comp20726_c0_seq1; 111 1 218 LEN=308; minus strand; translated
XLILFFKMRASSYRYGASKPRSPGNNDGGKYRPIDSSGRIEGTSTGETSAEYGEAGSDED
EDGTSAEYGDVI

>comp20728_c0_seq1; 120 1 241 LEN=241; minus strand; translated
GDLKLEAIYSSSLDDLKRTLSQSGYKIAENEVDQLKTQIVKEIKKDFDKYKKDIKEDIAT
SILARYIPESMIMERNLKTDX

>comp20777_c0_seq1; 95 1 235 LEN=235; minus strand; translated
XKGMRRAMPNSRFLLRMLDQKPVVQATDIVLEVKNIKMWDRCEKELAKLTGQPVERI
QEDLKRDFYLSSEAVQYG

>comp20796_c0_seq1; 59 1 205 LEN=205; minus strand; translated
XNFGSEAGA AVKAANGDCGFGYSNNYIDPSTNECTGQYAYWDVTCNEGCTVDEGVHWASI
TYIGGLYTL

>comp20901_c0_seq1; 83 1 316 LEN=316; minus strand; translated
XGMGDIPTAGAGGGDLKKIIRLATHDEVQLLGMKRKEEEELLEVCRRHKVIQRGMPMVV
DAEYQFDRHKLTFEAFNTRIDFRELVRDLFSIYKTRIWMQQLDKX

>comp20958_c0_seq1; 132 1 245 LEN=245; minus strand; translated
XGGGLDGMGGAGGGGQVLRRLTEEEMA AVNRLADMGFDRTEAAQAYLACDKNEALAN
LLMDSMDSGGFGGGFDGGANDGX

>comp21031_c0_seq1; -4 1 216 LEN=216; minus strand; translated
AGDDANAEIGLIWQGRGRAGQFFNILRSVILDWEWDTVDRKMMIDDFARPTTKEITSAL
VGSALSYQLALH

>comp21035_c0_seq1; 62 1 273 LEN=273; minus strand; translated
XDLLALTKLAPPSSWGADIAVGSARFGVPMGFGGPHAGFLSTSDKYSRKMPGRIIGVTV
DSSGKPCLRMAMQTRQHIRRDKATSNICTAX

>comp21036_c0_seq1; 128 1 209 LEN=209; minus strand; translated
GGATSWNISKLEETEKKDGDVDDWGAAREKAVAATAREEDKKKREEKLA EAEQQKER
NLAKAVAHGX

>comp21040_c0_seq1; 89 1 718 LEN=718; minus strand; translated
PALEYRDKYKNQNMQSSNTTNAMFGQPKIPYKPVLPFRFPESPNEI VPAPLGLPVQMLSD
TLAMNNHAIMIQSKLNLIKQHNMVVELLILTNDLATSVAQLQYVKPLHQREIPVGPTAMK
VVSA AEMKCQFLIEEQVERHLTEPEYSGGKYTSLHARMMICQLAPILGPNLGRMDHPLV
SITKLRLLGLLEQEACDIFPFIQGLEEDILLKSISXKKKIGNGPSSLVPSNLGKDNWLES

>comp21360_c0_seq1; 122 26 207 LEN=207; minus strand; translated
MTFPLRIWVDNSGSMNTGDGHRLVDSANQSHVRFVSCSRWTEIQETVQYHAQLAALLEA
P

>comp21406_c0_seq1; 170 1 700 LEN=700; minus strand; translated
VVAISASKQQAALPSSFWETGSGEDLVDLERYIRQGMQKTS DNSVKKKPPKSRAEKT
QTDSNDDNDKRWKLKRREQTAGRVSSFTLAIRRVHISLARFCRALEREENRCAYVTLQS
CALFKIRNGRQKQWEAMQINRSSASVSNCATITSSSGSRGDRSPYPDRHNPRHSRTN
SFMSSYSLPSDAALKA FDNNDVSGEVLDTIEKDQEQEILELMLACNPQDNX

>comp21432_c0_seq1; 61 1 248 LEN=248; minus strand; translated

XASGLRFLWGQELIHRDIKPQNLLLTGRIPPEELVDNPPLENAATSCSESIHDDPNQGFSLKIADFGFARHLQTASLAETLCG
>comp21623_c0_seq1; 59 1 178 LEN=254; minus strand; translated
XYAGQRSDCSSFRNSGDLGFFGRGQMPEPFENAAFALRKDEMSGIVSTDSGYHLIYRIA
>comp21625_c0_seq1; 129 1 212 LEN=212; minus strand; translated
RSVSLRCTGWARETASTQGFRDYVAVHDALASLFDEQGNRHRNYDELIFGEKTSDVIRS
TETITGDNNXX
>comp21676_c0_seq1; 125 1 313 LEN=313; minus strand; translated
XRRDASNYGNRSNNGYDNYGGRGGDMVPYANGAGGGDVRSMNSNNIASIEAPHNPEEED
AYLRQAIENSLKEGSPNRRPAPAPAPAADNLLLDLDFMTPAAPAPV
>comp21821_c0_seq1; 183 1 413 LEN=413; minus strand; translated
SSSSSSSSGCSLCPGEIVCTDRELKSSRSTELALLLGAIVGLYLFQFAELMQSMPEIS
SRISHYRLGGNLNLAKMEIDSGMAGGEAWEDEDEDQDGTKKHKYKRKKKKKNDKKNKNDN
NDNNASIPTGVWPVSVRX
>comp21946_c0_seq1; 34 1 518 LEN=518; minus strand; translated
XAEFAGDETSRVYCLDECIKQPLETGHTTPIASILRLNRHRNDPPDRKRPRGFNFIDRAL
PCIDIHYRPIRVITGGQSMGGNFHAIVTYNTALAFHLRASFMTTTIAKYEVSTQRQLQRL
QQLELRRALALYELAYEIQRDQNTTRGPASMVQTNADESKGSVYFQSILLNNGVX
>comp21969_c0_seq1; 47 1 280 LEN=481; minus strand; translated
XERAARAKANPSKFEEDKGEKYDVVPGHMYPGVPTLPPDFKGVHRSLEEIEDLERDLSR
QQEIEGRLAELKAQKAILIGNGVESTRSVEVEC
>comp21996_c0_seq1; 62 1 240 LEN=240; minus strand; translated
XEAMPNGFKALTEIQDLPAEVRGTIPLTLGTVWALTFAMQDLTGSSEFPGDYRNGFIDLG
WDKYSDEWKTKKRTIELNNGR
>comp22087_c0_seq1; 85 1 246 LEN=246; minus strand; translated
GDDWVRDSGGGTRLDRDDWPWRTDSNDETCNDHSNGTGNERGVKNDDYDDTLRVLQQA
FIIDKYNKPRSEEPSRALPSPA
>comp22156_c0_seq1; 173 1 282 LEN=302; minus strand; translated
LEAAALLSDNIVVTMSSNEDVNVDDARWTSRQDLLVERLIKGGASAERITVERLATDAIVP
VGMSNNSNMHSHGYSYRTQYCTWRPKQESVGT
>comp22222_c0_seq1; 115 1 244 LEN=244; minus strand; translated
DWFKKQSYEVLGPRVKAATAFLNEKSPGQPLGVLGFCFGQWLQCKASATGDVDFACAVGC
HPTTVLES AVFGDEEAMNAX
>comp22282_c0_seq1; 160 1 301 LEN=301; minus strand; translated
XAIASDARLAEIVAFSLDADISAPGDLYMSSSPQFRAAQWMAEEDFEKLPVPKPDALVSF
EKGWTSTIPSSPSSGLRAEEATAPFNFVQRYVLAVFYFAVG
>comp22292_c0_seq1; 45 1 237 LEN=237; minus strand; translated
XGTGSRMKASMPKQYLPLRGVPLHHSLLDFLEKLVHDCKSSGDSSPPENVVLVMDPKYQ
PEYQAIVD RYPRLEFANPG
>comp22348_c0_seq1; 40 1 224 LEN=224; minus strand; translated
XKLRRGLRNPDQFDGIMTEIELCISLIFKPLRHHMKSIFDTEASLLEALWVPTLDVIRDI
SKDDSSEDNPISQTPX
>comp22396_c0_seq1; 8 1 256 LEN=256; translated
CAVHVVEVRSLGESCGRPFVSSSRMVPYVLVXSNILPVVFDISGATNQEDLSASKDSLGC
HAAHATATARQAELCRVDHPLQQGNX
>comp22410_c0_seq1; 63 1 201 LEN=201; minus strand; translated
XWKISSFAAVSAVALVVGQQGSGSSPVLVEAFSTQLKTGKALGRSSSVGIPLLFQGISQ
PVNRKTAG
>comp22420_c0_seq1; 158 1 346 LEN=346; minus strand; translated
XGEQFGVTTMLGSDHLATDIELSKIEPPPVEDLSKLSKSELKRRAKKAEKEKAKIDPTKP
VEEHVVGAVDYKDFGKRVNLTVSGQLNVETHACALSDVYTFGPTFRAENSHTGR
>comp22535_c0_seq1; 140 1 110 LEN=240; minus strand; translated
XAVAAEEEEEEEEEEAEAPAGGGGLFGDDGDGDY
>comp22580_c0_seq1; 120 1 340 LEN=340; minus strand; translated
XTSLASGLKEFQPKIFVVPEDPSAPLEHVGLGELIKKAVLKRPMGFLKRSSTLDEDNVY
LLDTGWKMFVWIGKNANPGEKVAALGAADRYAAIEPRARELPVTVLKSQERDG
>comp22610_c0_seq1; 13 1 203 LEN=203; minus strand; translated
AAEARPCVQQMSSPMGTLQRPNFRDALRRVAMILQRHIVKIESRFDEHQRSFGSSSPARR
KATTRDGL
>comp22644_c0_seq1; 21 1 209 LEN=209; minus strand; translated

ACYASVTGAVFKLAVVVKDTSKFMQFYDELVGGRLIVYDISLAGKAQDPPIIAEVAYEGWE
SLYGDPTING
>comp22704_c0_seq1; 84 1 179 LEN=254; minus strand; translated
XFVIGRITELMQEHALEGTVENLRLAVSMETKDRGKRSGETPGEIEMKPMQSKKKE
>comp22748_c0_seq1; 177 1 244 LEN=244; translated
XTDYRKGAGMQEESFVAELQEIEMLLVDRIEPRQELLNVARWAGWDVWALRNWAEALD
EEEAKLAMRNTGLEGNNDGDDG
>comp22780_c0_seq1; 148 1 352 LEN=352; minus strand; translated
XGNGKKSVPSSDRTLREDDTMKNIRLLSFGGEQIKEANGEATIIDEVKHVMIAACKSTEN
EYSCRNRIWDALPEEAQDRFRFTNYLQLPNVHAAEIRGDTSIILDNLEGVVDDAPRETM
>comp22944_c0_seq1; 179 1 369 LEN=369; minus strand; translated
VESIQKQAEEQSSLPGGGIGGASPMDTTQAKETMKKLEDLPTILELAWAVNVRDIAKTL
KDVCHKLFNDTSVEVEVRMKRAEAVKILGREFYAIGNACESIKHVTDNGDSAAEIKLRAE
IAA
>comp23081_c0_seq1; 38 1 215 LEN=215; minus strand; translated
XGGHHSWVTKLKYVIGGGFLLASLAFIMFTGILFTNRRRRRAMMMRKYRQAKKAKRDKGNRK
SRSGSKRRRSKSK
>comp23096_c0_seq1; 9 1 237 LEN=237; minus strand; translated
XPDTYMGQNLERLFEVIEESSDWSDERIKSELHPGHTNASLKSLLKDNLRVFPQGNVHH
MFGNQVTETVRTTYENEPDX
>comp23190_c0_seq1; 161 1 370 LEN=370; minus strand; translated
XGFAGGFDGIGTESPKEGSGGFAGGFDGIGTEDPKEGEETPVMPDDFSPILPPMISEGN
DTQSPNKEESTRSPSENEGTSQSPKSGSKGDEKGFGGIEKEEETSAPKANDQDEPAEASG
MGFG
>comp23330_c0_seq1; 97 1 184 LEN=204; translated
XALDDNLVGGQVSEVLQFLVRGGVGDQAPDVSCSGAPYIPSPTRSDVDRDVLNQLGFQ
G
>comp23381_c0_seq1; 132 1 209 LEN=209; minus strand; translated
XNNADDYDDDVENALEKLTLEMSDSTIHTIDDYAASNKYGMTVNERLFWEGMVVRQNI
RKPGSENDTGX
>comp23446_c0_seq1; 49 1 212 LEN=212; minus strand; translated
XADVTDYNSGWKIIAKEAVAGDALRTSVFEGSLERKYPPRVHVDCVTDGAI FNIAIPDE
IPGILPITIAG
>comp23461_c0_seq1; 75 1 188 LEN=203; minus strand; translated
XGGRAYWIRHLREMGYIEDGKVLRARPEGWKKPKNLLHNEMTKPNTGQPPPAPSGGLAT
TG
>comp23676_c0_seq1; 69 1 224 LEN=224; minus strand; translated
XEIQRMIEEAEYAEEDRLARERTDERNGLESYLYSLKTTLDGDETL SRNLSAEDKRDLL
DLVDEKVDWMEENPE
>comp23783_c0_seq1; 24 1 207 LEN=207; minus strand; translated
XRVRDYLWVAEDGMKMQGYNGSQCWDT SFAIQAMWEAGLLDEFPELTKVWGYFERTQIL
STEVSQSSPA
>comp23791_c0_seq1; 105 1 221 LEN=241; minus strand; translated
XVDVMGNTPHLALTSVAPYESI ELLVASCPEVWTKTTNGELPLEIAQRKRAPQDVLQL
LEKMMERLLVERD
>comp23866_c0_seq1; 116 1 212 LEN=212; minus strand; translated
ANLSRLHAWTLDFVEATPVGSKYRKLASVVEESLRFMNAIGVDLESPAMQVDFFTAHEC
LLLPYEEAMTR
>comp23872_c0_seq1; 82 1 235 LEN=235; minus strand; translated
EICFGFDLSEETVDSIVVYSRSDNVCEISVVD SNGNEVVKETEVRRENATNSNTAEDIS
RNNYAMEIATSEDFAQTPX
>comp23885_c0_seq1; 129 1 228 LEN=228; minus strand; translated
XAPDMVLTAAHCI GSFNKIEIGKYMKN DILDESETFVSFSSETMHPDYDEETTRFDVMVLK
LNETSKMGKPVEINRX
>comp23906_c0_seq1; 73 1 228 LEN=228; minus strand; translated
XXXCLQPGSCYQFEIRDSFGDMLAPANYKGTLDGVEAFSGGQFASVEVKDFCVP GASAP
TLAPVPAPTPAPVPAPT
>comp23962_c0_seq1; -21 1 220 LEN=220; minus strand; translated
XNTRLSNRYPTRRSYGRGLARGISYESETSLASTSGDSCATSYSTDLSTSNFTLGEFRAR
VLGRSRRNRFTSSG

>comp24081_c0_seq1; 82 1 242 LEN=242; minus strand; translated
XKKASDELQAQTEALFEELQSYKVGDKIYDSNDGKAIGQIVALPEEGTNVLLAQMRDRV
GLLEKPAKPKGDDKATGDADX

>comp24104_c0_seq1; 137 1 306 LEN=457; minus strand; translated
RDKKYTNFIEYNNYKVIYRRYAGLFFTTIAVDVQDNELSYLETIHLFVELLDAYFRNVCEL
DIVFNFNKVYSILDEFMLAGEMQETSKQEILDRVKFMKME

>comp24359_c0_seq1; 223 1 463 LEN=508; translated
XGGGVFGFEIDFSFRNAADFGGDDERIDRSLLSKLDVLSFRSEVHSGGDGIDLSFRSDSQ
ADEEAFINEASDLVLPVLFTEDEGGDEDLLPSIEIFTEFRLGCGDDRIAVRCIVLVS
DFDLRTILFGDLERGAETGTSRALCVSVLVVPRW

>comp24378_c0_seq1; 109 1 453 LEN=453; minus strand; translated
XVPITAPSPIAPSGRPWNDNLPPAPTNSFIETRSWGTLVTYLDPVDPNFFPLEQCTGDCC
NDDDCDGLICFQRGANPVPFCYGGENDYTATDYCTFFPDYDSNAYVVEPPSEREELIEC
TTTISAVQDCYFAEANVLVDFENCNPEEEDX

>comp24608_c0_seq1; 46 1 225 LEN=225; minus strand; translated
GQYRFTISDRRGTDYRAFKFYQLSYLDRKTQRSGLTGGETIVYTS DGT FEGESISHDFV
IPVAAVDDSSSYSSS

>comp24852_c0_seq1; 129 1 190 LEN=259; minus strand; translated
XGEYGDGDGIAVDAVGRLEVYKTYDGGYNSNNTGGGYEADDYGNPAGYAGYQEDFSETP
PFN

>comp25164_c0_seq1; 106 1 238 LEN=238; minus strand; translated
XEVLQGFQVTHSMGGGTGSGMGTLLVSKIKEEYPDRIISTYSVIPSPKVS DTVVEPYNAT
LSIHLVENADQSFALDNEA