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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1177 A1552VC RS01165 WP 000422572.1   .......MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEA.LSVADVTALLHAMMDDARQAEFKQTREANFAV   72
NTDB id 41633 NIT79A3 RS00585 WP 013964328.1 MDREQATKFMSDLLRLMLSKTASDLFITAGFPPAFKIDGKMTPVSQQSLSAQHTEVLARAIMNDKQAAEFEAAKECNFAI   80
NTDB id 1203 PSJM300 01605 AFN76401.1         .......MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAI   73
NTDB id 1019 ACIAD RS04205 WP 004922051.1     .......MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAI   73
NTDB id 1307 DR RS10055 WP 010888596.1        ...MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSF   77
NTDB id 1194 PAKAF RS01995 WP 003084552.1     .......MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSF   73
NTDB id 1283 ACE17W RS02630 WP 010947729.1    .......MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSF   73
NTDB id 1259 GC085 RS10305 WP 010947729.1     .......MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSF   73
consensus                                        *** **!    *    *!!* ***!*** ****!**   *    **     *   **   ************   !   !
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1177 A1552VC RS01165 WP 000422572.1   VRD..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRT   150
NTDB id 41633 NIT79A3 RS00585 WP 013964328.1 SPAG.IGRFRVNTFVQQQRVGMVLRTITTKIPEFDDLGLPQILKEVVMSKRGLVIFVGGTGSGKSTSMAALIGHRNKNSF   159
NTDB id 1203 PSJM300 01605 AFN76401.1         SARG.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSS   152
NTDB id 1019 ACIAD RS04205 WP 004922051.1     LNREKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSK   153
NTDB id 1307 DR RS10055 WP 010888596.1        ALGD.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKK   156
NTDB id 1194 PAKAF RS01995 WP 003084552.1     EVPG.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKY   152
NTDB id 1283 ACE17W RS02630 WP 010947729.1    EIAN.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRY   152
NTDB id 1259 GC085 RS10305 WP 010947729.1     EIAN.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRY   152
consensus                                        **!!!!**!  !    **!*!  ! * * ******** ******   !!*****! !!*!!!!**!*** * !  *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1177 A1552VC RS01165 WP 000422572.1   GHILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANN   230
NTDB id 41633 NIT79A3 RS00585 WP 013964328.1 GHIITIEDPVEYVHEHIHCVITQREVGVDTESWEAALKNTLRQAPDVILIGEIRDRETMEHAIAFAETGHLCLGTLHANS   239
NTDB id 1203 PSJM300 01605 AFN76401.1         GHISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANN   232
NTDB id 1019 ACIAD RS04205 WP 004922051.1     GHIITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANN   233
NTDB id 1307 DR RS10055 WP 010888596.1        LHILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNS   236
NTDB id 1194 PAKAF RS01995 WP 003084552.1     HHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS   232
NTDB id 1283 ACE17W RS02630 WP 010947729.1    EHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNS   232
NTDB id 1259 GC085 RS10305 WP 010947729.1     EHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNS   232
consensus                                      !!***!!!*!**!  * *** !!!!* !! *** !!*  !!**!!*!!*!!*!* !**  !** !!!!!!* *!!! **
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1177 A1552VC RS01165 WP 000422572.1   ANQALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEV   310
NTDB id 41633 NIT79A3 RS00585 WP 013964328.1 ANQALDRIINFFPEERRAQLLMDLSLNMKSLIAQRLIPSKDGKGRVAAIEVLLNSPLIADLIFKGHVHEIKEIMKKSGEM   319
NTDB id 1203 PSJM300 01605 AFN76401.1         ANQALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDL   312
NTDB id 1019 ACIAD RS04205 WP 004922051.1     ANQTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGEL   313
NTDB id 1307 DR RS10055 WP 010888596.1        APESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGARE   316
NTDB id 1194 PAKAF RS01995 WP 003084552.1     AAKTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIK.KIGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSL   311
NTDB id 1283 ACE17W RS02630 WP 010947729.1    ATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK.KNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAK   311
NTDB id 1259 GC085 RS10305 WP 010947729.1     ATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK.KNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAK   311
consensus                                     !  ***!** ***** * ** * !* ** **** ! !*  * * *!***!*** ** *  *!* * *  *   *     *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1177 A1552VC RS01165 WP 000422572.1   GMQTFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDYG...SGSLQNVK....IDME...............   368
NTDB id 41633 NIT79A3 RS00585 WP 013964328.1 GMQTFDAALFELYEAGKISYEDALRNADSVNELRLQIKLEGAEAKTRDLSSGIEHLT....IT.................   378
NTDB id 1203 PSJM300 01605 AFN76401.1         GMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLT....LEMSDDDPGRSFR......   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1     GMQTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEME....RKMTFDGQRRNLK......   383
NTDB id 1307 DR RS10055 WP 010888596.1        GMVTMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAP   396
NTDB id 1194 PAKAF RS01995 WP 003084552.1     GMQTLDMCLKGLVAKGLISRENAREKAKIPENF...............................................   344
NTDB id 1283 ACE17W RS02630 WP 010947729.1    GMQTLDQHLTELVNKNIISKHTAHEAALNKSLF...............................................   344
NTDB id 1259 GCO85 RS10305 WP 010947729.1     GMQTLDQHLTELVNKNIISKHTAHEAALNKSLF...............................................   344
consensus                                     !!*! !* !  !      !*   **  !                                 *
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logo
                                              ATPAAPAAGRSEPGRAGGFGRR
NTDB id 1177 A1552VC RS01165 WP 000422572.1   .......................   368
NTDB id 41633 NIT79A3 RS00585 WP 013964328.1  .......................   378
NTDB id 1203 PSJM300 01605 AFN76401.1         .......................   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1     .......................   383
NTDB id 1307 DR RS10055 WP 010888596.1        ATPAAPAAGRSEPGRAGGFGRR   418
NTDB id 1194 PAKAF RS01995 WP 003084552.1     .......................   344
NTDB id 1283 ACE17W RS02630 WP 010947729.1    .......................   344
NTDB id 1259 GCO85 RS10305 WP 010947729.1     .......................   344
consensus
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X non conserved

X similar

X $\geq$ 50% conserved