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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1177 A1552VC RS01165 WP 000422572.1   .......MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGE.ALSVADVTALLHAMMDDARQAEFKQTREANFAV   72
NTDB id 1019 ACIAD RS04205 WP 004922051.1     .......MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAI   73
NTDB id 331490 EJN92 RS13360 WP 126128286.1  MERDQATKFMNDLLRLMLSKNGSDLFITSDFPPAFKIDGKVTPVSNQALSASHTVDLARAIMNDKQSAEFESTKECNFAI   80
NTDB id 1203 PSJM300 01605 AFN76401.1         .......MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAI   73
NTDB id 1307 DR RS10055 WP 010888596.1        ...MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSF   77
NTDB id 1185 GTF74 RS11940 WP 000350195.1     .......MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSF   73
NTDB id 1176 A1552VC RS01160 WP 000350195.1   .......MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSF   73
NTDB id 1283 ACE17W RS02630 WP 010947729.1    .......MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSF   73
NTDB id 1259 GC085 RS10305 WP 010947729.1     .......MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSF   73
NTDB id 1202 PSJM300 01600 AFN76400.1         .......MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSF   73
NTDB id 1194 PAKAF RS01995 WP 003084552.1     .......MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSF   73
consensus                                            *** **! ****  *!!*************!***** ** *** **  ****************  ! *!**

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NTDB id 1177 A1552VC RS01165 WP 000422572.1   VR..DSGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRT   150
NTDB id 1019 ACIAD RS04205 WP 004922051.1     LNREKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSK   153
NTDB id 331490 EJN92 RS13360 WP 126128286.1  NPA.GMGRFRVSAFMQQGKVGMVMRTITTAIPKFEDLGLPEQLKEVAMTKRGLVIMVGATGSGKSTSLAAMIGYRNANSY   159
NTDB id 1203 PSJM300 01605 AFN76401.1         SAR.GIGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSS   152
NTDB id 1307 DR RS10055 WP 010888596.1        ALG.DKARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKK   156
NTDB id 1185 GTF74 RS11940 WP 000350195.1     ELP.NVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHN   152
NTDB id 1176 A1552VC RS01160 WP 000350195.1   ELP.NVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHN   152
NTDB id 1283 ACE17W RS02630 WP 010947729.1    EIA.NLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRY   152
NTDB id 1259 GC085 RS10305 WP 010947729.1     EIA.NLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRY   152
NTDB id 1202 PSJM300 01600 AFN76400.1         EVP.GVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKY   152
NTDB id 1194 PAKAF RS01995 WP 003084552.1     EVP.GVARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKY   152
consensus                                     **   **!!!!*!! ! ** **!*!*!** ************** **   *!*****!*!!*!!!!**!*** **!  *

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NTDB id 1177 A1552VC RS01165 WP 000422572.1   GHILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANN   230
NTDB id 1019 ACIAD RS04205 WP 004922051.1     GHIITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANN   233
NTDB id 331490 EJN92 RS13360 WP 126128286.1  GHIITIEDPIEYVHPHNNCIITQREVGIDTADWGVALKNTLRQAPDVIQIGEIRERETMDFAIAFAETGHLCLATLHANS   239
NTDB id 1203 PSJM300 01605 AFN76401.1         GHISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANN   232
NTDB id 1307 DR RS10055 WP 010888596.1        LHILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNS   236
NTDB id 1185 GTF74 RS11940 WP 000350195.1     KHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSS   232
NTDB id 1176 A1552VC RS01160 WP 000350195.1   KHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSS   232
NTDB id 1283 ACE17W RS02630 WP 010947729.1    EHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNS   232
NTDB id 1259 GC085 RS10305 WP 010947729.1     EHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNS   232
NTDB id 1202 PSJM300 01600 AFN76400.1         HHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS   232
NTDB id 1194 PAKAF RS01995 WP 003084552.1     HHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS   232
consensus                                      !!***!!!!!**!   ******!!!!**!! **  !!***!!**!!*!**!!*!* !** *!***!!!!!!***!!!***
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NTDB id 1177 A1552VC RS01165 WP 000422572.1   ANQALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEV   310
NTDB id 1019 ACIAD RS04205 WP 004922051.1     ANQTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGEL   313
NTDB id 331490 EJN92 RS13360 WP 126128286.1  ANQALDRIINFFPEDRRQQLLMDLSLNLKAIVSQRLLPLKAKKGRVAAIEILLNSPLISDLIFKGDVHEIKEIMKKSGEL   319
NTDB id 1203 PSJM300 01605 AFN76401.1        ANQALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDL   312
NTDB id 1307 DR RS10055 WP 010888596.1       APESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGARE   316
NTDB id 1185 GTF74 RS11940 WP 000350195.1    AAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAH   311
NTDB id 1176 A1552VC RS01160 WP 000350195.1  AAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAH   311
NTDB id 1283 ACE17W RS02630 WP 010947729.1   ATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAK   311
NTDB id 1259 GC085 RS10305 WP 010947729.1    ATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAK   311
NTDB id 1202 PSJM300 01600 AFN76400.1        AAKTIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLKK.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGSL   311
NTDB id 1194 PAKAF RS01995 WP 003084552.1    AAKTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSL   311
consensus                                    ! ****!********** *****!***!*****! !***  ***!*** !*** *******!**********  *

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NTDB id 1177 A1552VC RS01165 WP 000422572.1   GMQTFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDYGSGS...LQNVKI.......DME............   368
NTDB id 1019 ACIAD RS04205 WP 004922051.1     GMQTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMER.......KMTFDGQRRNLK...   383
NTDB id 331490 EJN92 RS13360 WP 126128286.1  GMQTFDQALFDLHEADMITYEDALRNADSVNELRLSIKLRGKEAKGRDLSAGTSHLGI.......L...............   378
NTDB id 1203 PSJM300 01605 AFN76401.1        GMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSET.DGEHLTSVSQGLTL.......EMSDDDPGRSFR...   381
NTDB id 1307 DR RS10055 WP 010888596.1       GMVTMDAYLAGLFRRHLITYDKGLERA.IDPKE..FARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGA   393
NTDB id 1185 GTF74 RS11940 WP 000350195.1    GMQTMEQNAKQLIARGVVDAQEVQSKIELDLKA..F.........................................   345
NTDB id 1176 A1552VC RS01160 WP 000350195.1  GMQTMEQNAKQLIARGVVDAQEVQSKIELDLKA..F.........................................   345
NTDB id 1283 ACE17W RS02630 WP 010947729.1   GMQTLDQHLTELVNKNIISKHTAHEAA.LNKSL..F.........................................   344
NTDB id 1259 GC085 RS10305 WP 010947729.1    GMQTLDQHLTELVNKNIISKHTAHEAA.LNKSL..F.........................................   344
NTDB id 1202 PSJM300 01600 AFN76400.1        GMQTLDSCLKGLLAKGLISRDSAKEKA.KQPEN..F.........................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1    GMQTLDMCLKGLVAKGLISRENAREKA.KIPEN..F.........................................   344
consensus                                    !!*!*** *  !* * ***  **   **    *  *

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NTDB id 1177 A1552VC RS01165 WP 000422572.1   .........................   368
NTDB id 1019 ACIAD RS04205 WP 004922051.1     .........................   383
NTDB id 331490 EJN92 RS13360 WP 126128286.1  .........................   378
NTDB id 1203 PSJM300 01605 AFN76401.1        .........................   381
NTDB id 1307 DR RS10055 WP 010888596.1       AAPATPAAPAAGRSEPGRAGGFGRR   418
NTDB id 1185 GTF74 RS11940 WP 000350195.1    .........................   345
NTDB id 1176 A1552VC RS01160 WP 000350195.1  .........................   345
NTDB id 1283 ACE17W RS02630 WP 010947729.1   .........................   344
NTDB id 1259 GC085 RS10305 WP 010947729.1    .........................   344
NTDB id 1202 PSJM300 01600 AFN76400.1        .........................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1    .........................   344
consensus
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X non conserved
X similar
X ≥ 50% conserved