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logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1  .......MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEA.LSVADVTALLHAMMDDARQAEFKQTREANFAV   72
NTDB id 1019 ACIAD RS04205 WP 004922051.1    .......MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAI   73
NTDB id 410917 GQ674 RS03330 WP 159495945.1 MNTTNTTIDFTSFLKLMAHQKASDLFITAGMPPAIKVNGKISPITQTPLTPQQSRDLVLNVMTPAQREEFEKTHECNFAI   80
NTDB id 1203 PSJM300 01605 AFN76401.1        .......MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAI   73
NTDB id 1307 DR RS10055 WP 010888596.1       ...MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSF   77
NTDB id 1283 ACE17W RS02630 WP 010947729.1   .......MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSF   73
NTDB id 1259 GC085 RS10305 WP 010947729.1    .......MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSF   73
NTDB id 1194 PAKAF RS01995 WP 003084552.1    .......MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSF   73
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    .......MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSF   73
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NTDB id 1040 HON27 RS13360 WP 000355489.1    .......MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSF   73
consensus                                      ******!********!!*****!********!*************** ****************  !**!**

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NTDB id 1177 A1552VC RS01165 WP 000422572.1  VR..DSGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRT  150
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NTDB id 410917 GQ674 RS03330 WP 159495945.1 GLS.GVGRFRVSCFYQRNQVGMVLRRIETRIPTVEELSLPPIIKTLAMTKRGIILFVGATGTGKSTSLAAMIGYRNHNST  159
NTDB id 1203 PSJM300 01605 AFN76401.1        SAR.GIGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSS  152
NTDB id 1307 DR RS10055 WP 010888596.1       ALG.DKARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKK  156
NTDB id 1283 ACE17W RS02630 WP 010947729.1   EIA.NLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRY  152
NTDB id 1259 GC085 RS10305 WP 010947729.1    EIA.NLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRY  152
NTDB id 1194 PAKAF RS01995 WP 003084552.1    EVP.GVARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKY  152
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    EVP.NVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRY  152
NTDB id 1060 ABD1 RS04380 WP 000355489.1     EVP.NVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRY  152
NTDB id 1040 HON27 RS13360 WP 000355489.1    EVP.NVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRY  152
consensus                                    **   **!!!!**!*! *****!*!*!************ ******   !!*****!*!!*!!!!**!******!   **

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GHILTVEDPIEFVHQSKKCLINQREVHRDTLSFNEALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNS
NTDB id 1177 A1552VC RS01165 WP 000422572.1  GHILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANN  230
NTDB id 1019 ACIAD RS04205 WP 004922051.1    GHIITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANN  233
NTDB id 410917 GQ674 RS03330 WP 159495945.1 GHIITIEDPIEFVHKHEGCIITQREVGIDTDSWEAALKNTLRQAPDVIMIGEVRTREGMDHAIAFAETGHLVLCTLHANN  239
NTDB id 1203 PSJM300 01605 AFN76401.1        GHIISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANN  232
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NTDB id 1259 GC085 RS10305 WP 010947729.1    EHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNS  232
NTDB id 1194 PAKAF RS01995 WP 003084552.1    HHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    DHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
NTDB id 1060 ABD1 RS04380 WP 000355489.1     DHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
NTDB id 1040 HON27 RS13360 WP 000355489.1    DHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
consensus                                     !!***!!!!!!*!********!!!!**!!  **  !!***!!**!!*!**!!*!**!****!***!!!!!!***!!!***
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logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1   ANQALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEV   310
NTDB id 1019 ACIAD RS04205 WP 004922051.1     ANQTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGEL   313
NTDB id 410917 GQ674 RS03330 WP 159495945.1  ANQAMDRIINFFPEDRRNQLLMDLSLNLKGVVAQQLIPSPDGKSRKVAMEIMLGTPLVQDYIRDGEIHKLKEVMKESVQL   319
NTDB id 1203 PSJM300 01605 AFN76401.1         ANQALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDL   312
NTDB id 1307 DR RS10055 WP 010888596.1        APESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGARE   316
NTDB id 1283 ACE17W RS02630 WP 010947729.1    ATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK.KNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAK   311
NTDB id 1259 GC085 RS10305 WP 010947729.1     ATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK.KNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAK   311
NTDB id 1194 PAKAF RS01995 WP 003084552.1     AAKTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIK.KIGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSL   311
NTDB id 1081 FDQ49 RS05335 WP 006581387.1     AAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK.KNGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANH   311
NTDB id 1060 ABD1 RS04380 WP 000355489.1      AAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK.KNGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANH   311
NTDB id 1040 HON27 RS13360 WP 000355489.1     AAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK.KNGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANH   311
consensus                                     ! ****!********** *** *!***!*****!*!** *****!*** !************!!* ******* *****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1   GMQTFDQALYQLVVDDKISEQDALHSADSANDLRLML.KTKRGDDYG...SGSLQNV....KIDME..............   368
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NTDB id 1307 DR RS10055 WP 010888596.1        GMVTMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPA.APPVPAYNSASSSSTGRGGDFGRGAAA   395
NTDB id 1283 ACE17W RS02630 WP 010947729.1    GMQTLDQHLTELVNKNIISKHTAHEAALNKSLF.........................................   344
NTDB id 1259 GC085 RS10305 WP 010947729.1     GMQTLDQHLTELVNKNIISKHTAHEAALNKSLF.........................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1     GMQTLDMCLKGLVAKGLISRENAREKAKIPENF.........................................   344
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NTDB id 1060 ABD1 RS04380 WP 000355489.1      GMTTLDQSLKGLVARGVISPQTARTAAKQPESFL........................................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1     GMTTLDQSLKGLVARGVISPQTARTAAKQPESFL........................................   345
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 410917 GQ674 RS03330 WP 159495945.1  .......................   380
NTDB id 1203 PSJM300 01605 AFN76401.1         .......................   381
NTDB id 1307 DR RS10055 WP 010888596.1        PATPAAPAAGRSEPGRAGGFGRR   418
NTDB id 1283 ACE17W RS02630 WP 010947729.1    .......................   344
NTDB id 1259 GC085 RS10305 WP 010947729.1     .......................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1     .......................   344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1     .......................   345
NTDB id 1060 ABD1 RS04380 WP 000355489.1      .......................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1     .......................   345
consensus
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X non conserved
X similar
X ≥ 50% conserved