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logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1  .......MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGE.ALSVADVTALLHAMMDDARQAEFKQTREANFAV   72
NTDB id 69629 UNDYM RS04460 WP 162039952.1   MERDQATKFMNDLLRLMLSKNGSDLFITADFPPAFKIDGRVTPVSNQPLSPAHTVDLARSIMNDKQSSEFESTKECNFAI   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 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 1020 ACIAD RS04210 WP 011182164.1    .......MDITELLAFSVQNRASDLHLSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRRDYEEKLETDFSF   73
NTDB id 1194 PAKAF RS01995 WP 003084552.1    .......MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSF   73
NTDB id 1202 PSJM300 01600 AFN76400.1        .......MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSF   73
consensus                                           *** **! ****  *!!*******************!***** ** * * **  ****************  ! *!**

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NTDB id 1177 A1552VC RS01165 WP 000422572.1  VRD..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRT  150
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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 1185 GTF74 RS11940 WP 000350195.1    ELPN.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHN  152
NTDB id 1176 A1552VC RS01160 WP 000350195.1  ELPN.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHN  152
NTDB id 1283 ACE17W RS02630 WP 010947729.1   EIAN.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRY  152
NTDB id 1259 GC085 RS10305 WP 010947729.1    EIAN.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRY  152
NTDB id 1020 ACIAD RS04210 WP 011182164.1    EVPN.LARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRY  152
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consensus                                    **   **!!!!**! ! ** **!*!*!** * ************ **   *!*****!*!!*!!!!**!*** **!  *

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NTDB id 1177 A1552VC RS01165 WP 000422572.1  GHILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANN  230
NTDB id 69629 UNDYM RS04460 WP 162039952.1  GHIITIEDPIEYVHPHMNCIITQREIGIDTDDWGAALKNSLRQAPDVIQIGEIRDRETMDFAVAFAETGHLCLATLHANS  239
NTDB id 1203 PSJM300 01605 AFN76401.1        GHIISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANN  232
NTDB id 1019 ACIAD RS04205 WP 004922051.1    GHIITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANN  233
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
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NTDB id 1020 ACIAD RS04210 WP 011182164.1    DHILTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
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NTDB id 1202 PSJM300 01600 AFN76400.1        HHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
consensus                                     !!***!!!!!**!  ******!!!***!! **  !!***!!**!!*!**!!*!* !** *!***!!!!!!***!!!***
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logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1   ANQALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEV   310
NTDB id 69629 UNDYM RS04460 WP 162039952.1   SNQALDRIINFFPEERRAQLLMDLSLNLKAVISQRLVPLKGRKGRAAAVEIMLNTPLVSDLIFKGAVHEIKEIMKKSREL   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 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
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consensus                                    * ****!********** *****!***! *** ! !***  ***!*** !*** *******!** ******* *****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1   GMQTFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDYG...SGSLQNVK........IDME...........   368
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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       GMVTMDAYLAGLFRRHLITYDKGLERAI.DPKEF..ARLANDASAGLGG.ASMTPAAPPVPAYNSASSSSTGRGGDFGRG   392
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NTDB id 1176 A1552VC RS01160 WP 000350195.1  GMQTMEQNAKQLIARGVVDAQEVQSKIELDLKAF.................................................   345
NTDB id 1283 ACE17W RS02630 WP 010947729.1   GMQTLDQHLTELVNKNIISKHTAHEAALN.KSLF...................................................   344
NTDB id 1259 GC085 RS10305 WP 010947729.1    GMQTLDQHLTELVNKNIISKHTAHEAALN.KSLF...................................................   344
NTDB id 1020 ACIAD RS04210 WP 011182164.1    GMTTLDQSLKQLLAKGIINLPTARAVAKS.PESF...................................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1    GMQTLDMCLKGLVAKGLISRENAREKAKI.PENF...................................................   344
NTDB id 1202 PSJM300 01600 AFN76400.1        GMQTLDSCLKGLLAKGLISRDSAKEKAKQ.PENF...................................................   344
consensus                                    !!*!*** *  !* * *** *   *      *

logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1   ............................   368
NTDB id 69629 UNDYM RS04460 WP 162039952.1   ............................   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       AAAPATPAAPAAGRSEPGRAGGFGRR     418
NTDB id 1185 GTF74 RS11940 WP 000350195.1    ............................   345
NTDB id 1176 A1552VC RS01160 WP 000350195.1  ............................   345
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NTDB id 1020 ACIAD RS04210 WP 011182164.1    ............................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1    ............................   344
NTDB id 1202 PSJM300 01600 AFN76400.1        ............................   344
consensus
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X non conserved
X similar
X ≥ 50% conserved