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logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1     .....MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEA.LSVADVTALLHAMMDDARQAEFKQTREANFAVVR   74
NTDB id 1019 ACIAD RS04205 WP 004922051.1       .....MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAILN   75
NTDB id 1085715 ACLB90 RS14585 WP 411850131.1  MSTTTIDFTSFLKLMAHQKASDLFITAGMPPAIKVNGKISPITQTPLTPQQSRDLVLNVMTPAQREEFEKTHECNFAIGL   80
NTDB id 1203 PSJM300 01605 AFN76401.1           .....MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAISA   75
NTDB id 1307 DR RS10055 WP 010888596.1          .MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSFAL   79
NTDB id 1283 ACE17W RS02630 WP 010947729.1      .....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEI   75
NTDB id 1259 GC085 RS10305 WP 010947729.1       .....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEI   75
NTDB id 1194 PAKAF RS01995 WP 003084552.1       .....MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFEV   75
NTDB id 1081 FDQ49 RS05335 WP 006581387.1       .....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEV   75
NTDB id 1060 ABD1 RS04380 WP 000355489.1        .....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEV   75
NTDB id 1040 HON27 RS13360 WP 000355489.1       .....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEV   75
consensus                                          ******!********!!*****!********!*************** ****************  !**!****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1     ..DSGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGH  152
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NTDB id 1085715 ACLB90 RS14585 WP 411850131.1  S.GVGRFRVSCFYQRNQVGMVLRRIETRIPTVEELSLPPIIKTLAMTKRGIILFVGATGTGKSTSLAAMIGYRNHNSTGH  159
NTDB id 1203 PSJM300 01605 AFN76401.1           R.GIGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGH  154
NTDB id 1307 DR RS10055 WP 010888596.1          G.DKARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLH  158
NTDB id 1283 ACE17W RS02630 WP 010947729.1      A.NLARFRVNAFNQSRGAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEH  154
NTDB id 1259 GC085 RS10305 WP 010947729.1       A.NLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEH  154
NTDB id 1194 PAKAF RS01995 WP 003084552.1       P.GVARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHH  154
NTDB id 1081 FDQ49 RS05335 WP 006581387.1       P.NVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDH  154
NTDB id 1060 ABD1 RS04380 WP 000355489.1        P.NVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDH  154
NTDB id 1040 HON27 RS13360 WP 000355489.1       P.NVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDH  154
consensus                                          **!!!!**!*! *****!*!*!************ ******   !!*****!*!!*!!!!**!******!  **  !

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NTDB id 1177 A1552VC RS01165 WP 000422572.1     ILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANNAN  232
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NTDB id 1085715 ACLB90 RS14585 WP 411850131.1  IITIEDPIEFVHKHEGCIITQREVGIDTDSWEAALKNTLRQAPDVIMIGEVRTREGMDHAIAFAETGHLVLCTLHANNAN  239
NTDB id 1203 PSJM300 01605 AFN76401.1           IISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNAN  234
NTDB id 1307 DR RS10055 WP 010888596.1          ILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAP  238
NTDB id 1283 ACE17W RS02630 WP 010947729.1      ILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSAT  234
NTDB id 1259 GC085 RS10305 WP 010947729.1       ILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSAT  234
NTDB id 1194 PAKAF RS01995 WP 003084552.1       ILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA  234
NTDB id 1081 FDQ49 RS05335 WP 006581387.1       ILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA  234
NTDB id 1060 ABD1 RS04380 WP 000355489.1        ILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA  234
NTDB id 1040 HON27 RS13360 WP 000355489.1       ILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA  234
consensus                                       !***!!!!!!*!********!!!!**!! **  !!***!!**!!*!**!!*!**!****!***!!!!!!***!!!***!
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logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1     QALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEVGM   312
NTDB id 1019 ACIAD RS04205 WP 004922051.1       QTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGELGM   315
NTDB id 1085715 ACLB90 RS14585 WP 411850131.1  QAMDRIINFFPEDRRNQLLMDLSLNLKGVVAQQLIPSPDGKSRKVAMEIMLGTPLVQDYIRDGEIHKLKEVMKESVQLGM   319
NTDB id 1203 PSJM300 01605 AFN76401.1           QALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGM   314
NTDB id 1307 DR RS10055 WP 010888596.1          ESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGM   318
NTDB id 1283 ACE17W RS02630 WP 010947729.1      KTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK.KNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGM   313
NTDB id 1259 GC085 RS10305 WP 010947729.1       KTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK.KNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGM   313
NTDB id 1194 PAKAF RS01995 WP 003084552.1       KTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIK.KIGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSLGM   313
NTDB id 1081 FDQ49 RS05335 WP 006581387.1       KTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK.KNGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGM   313
NTDB id 1060 ABD1 RS04380 WP 000355489.1        KTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK.KNGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGM   313
NTDB id 1040 HON27 RS13360 WP 000355489.1       KTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK.KNGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGM   313
consensus                                       ****!***********  ***  *!***!*****!*!**  *****!***  !************!!*  *******  *****   !!

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NTDB id 1177 A1552VC RS01165 WP 000422572.1     QTFDQALYQLVVDDKISEQDALHSADSANDLRLMLK.TKRGDDYG...SGSLQNV....KIDME................   368
NTDB id 1019 ACIAD RS04205 WP 004922051.1       QTFDQALFDLYDHQHISYADALKHADSPNNLRLQIK.LSEEANKPLDNRERMSEM....ERKMTFDGQRRNLK.......   383
NTDB id 1085715 ACLB90 RS14585 WP 411850131.1  RTFDQSLYELYQAGEISYEDALRYADSQNEVRLRIK.LSQGGDARTLSQG.LDGV....EISEIR................   378
NTDB id 1203 PSJM300 01605 AFN76401.1           QTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIK.LGSETDGEHLTSV.SQGL....TLEMSDDDPGRSFR.......   381
NTDB id 1307 DR RS10055 WP 010888596.1          VTMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPA.APPVPAYNSASSSSTGRGGDFGRGAAAPA   397
NTDB id 1283 ACE17W RS02630 WP 010947729.1      QTLDQHLTELVNKNIISKHTAHEAALNKSLF.......................................................   344
NTDB id 1259 GC085 RS10305 WP 010947729.1       QTLDQHLTELVNKNIISKHTAHEAALNKSLF.......................................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1       QTLDMCLKGLVAKGLISRENAREKAKIPENF........................................................   344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1       TTLDQSLKGLVSRGVISPQTARTAAKQPESFL.......................................................   345
NTDB id 1060 ABD1 RS04380 WP 000355489.1        TTLDQSLKGLVARGVISPQTARTAAKQPESFL.......................................................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1       TTLDQSLKGLVARGVISPQTARTAAKQPESFL.......................................................   345
consensus                                       *!*!* !  !* ***!*   *   !  *  *

logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1     .....................   368
NTDB id 1019 ACIAD RS04205 WP 004922051.1       .....................   383
NTDB id 1085715 ACLB90 RS14585 WP 411850131.1  .....................   378
NTDB id 1203 PSJM300 01605 AFN76401.1           .....................   381
NTDB id 1307 DR RS10055 WP 010888596.1          TPAAPAAGRSEPGRAGGFGRR   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