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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1203 PSJM300 01605 AFN76401.1          ....MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAISAR    76
NTDB id 1019 ACIAD RS04205 WP 004922051.1      ....MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAILNR    76
NTDB id 1162508 U9974 RS10260 WP 322774008.1  ..MELQIEELMEELVEQKGSDLHLSAGQQPYGRFNGELRPMREQALSEESCNRMIFSILTNSQRKQLEQTWELDCSYGLR    78
NTDB id 1307 DR RS10055 WP 010888596.1         MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSFALG    80
NTDB id 1086 NMV RS00245 WP 002218487.1        ....MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFELP    76
NTDB id 1116 NGFG RS10615 WP 003690200.1       ....MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFELP    76
NTDB id 1185 GTF74 RS11940 WP 000350195.1      ....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFELP    76
NTDB id 1176 A1552VC RS01160 WP 000350195.1    ....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFELP    76
NTDB id 1283 ACE17W RS02630 WP 010947729.1     ....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEIA    76
NTDB id 1259 GC085 RS10305 WP 010947729.1      ....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEIA    76
NTDB id 1202 PSJM300 01600 AFN76400.1          ....MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP    76
NTDB id 1194 PAKAF RS01995 WP 003084552.1      ....MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP    76
NTDB id 1020 ACIAD RS04210 WP 011182164.1      ....MDITELLAFSVQNRASDLHLSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRRDYEEKLETDFSFEVP    76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      ....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP    76
NTDB id 1060 ABD1 RS04380 WP 000355489.1       ....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP    76
NTDB id 1040 HON27 RS13360 WP 000355489.1      ....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP    76
consensus                                          ************ *!!*****!**!*****!******** *** ** **********!****** *! *******

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1203 PSJM300 01605 AFN76401.1          G.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHI   155
NTDB id 1019 ACIAD RS04205 WP 004922051.1      EKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSKGHI   156
NTDB id 1162508 U9974 RS10260 WP 322774008.1  G.LARFRINVFSQRGTYAASMRALNSKVPTPQELGLPPVVVDITKRPSGLVLVTGPTGSGKSTTLASLLDHINHSRAKHI   157
NTDB id 1307 DR RS10055 WP 010888596.1         D.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHI   159
NTDB id 1086 NMV RS00245 WP 002218487.1        N.VARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI   155
NTDB id 1116 NGFG RS10615 WP 003690200.1       N.VARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI   155
NTDB id 1185 GTF74 RS11940 WP 000350195.1      N.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHI   155
NTDB id 1176 A1552VC RS01160 WP 000350195.1    N.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHI   155
NTDB id 1283 ACE17W RS02630 WP 010947729.1     N.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI   155
NTDB id 1259 GC085 RS10305 WP 010947729.1      N.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI   155
NTDB id 1202 PSJM300 01600 AFN76400.1          G.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHI   155
NTDB id 1194 PAKAF RS01995 WP 003084552.1      G.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHI   155
NTDB id 1020 ACIAD RS04210 WP 011182164.1      N.LARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRYDHI   155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      N.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHI   155
NTDB id 1060 ABD1 RS04380 WP 000355489.1       N.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHI   155
NTDB id 1040 HON27 RS13360 WP 000355489.1      N.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHI   155
consensus                                      *  **!!!***!** *******!**** ********** ******  **!*****!*!!*!!!!*!!******!  *  !!
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logo
NTDB id 1203 PSJM300 01605 AFN76401.1          ISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQ  235
NTDB id 1019 ACIAD RS04205 WP 004922051.1      ITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANNANQ  236
NTDB id 1162508 U9974 RS10260 WP 322774008.1  ITIEDPIEFAYINDKSLIHQRQLNEDTKSFSNALRAALREDPDVILVGEMRDLETIQLAITAAETGHLVFATLHTSSAAQ  237
NTDB id 1307 DR RS10055 WP 010888596.1         LTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAPE  239
NTDB id 1086 NMV RS00245 WP 002218487.1        LTIEDPIEFVHQSKKSLINQRELHQHTLSFANALRSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAK  235
NTDB id 1116 NGFG RS10615 WP 003690200.1       LTIEDPIEFVHQSKKSLINQRELHQHTLSFANALSSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAK  235
NTDB id 1185 GTF74 RS11940 WP 000350195.1      LTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAK  235
NTDB id 1176 A1552VC RS01160 WP 000350195.1    LTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAK  235
NTDB id 1283 ACE17W RS02630 WP 010947729.1     LTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATK  235
NTDB id 1259 GC085 RS10305 WP 010947729.1      LTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATK  235
NTDB id 1202 PSJM300 01600 AFN76400.1          LTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
NTDB id 1194 PAKAF RS01995 WP 003084552.1      LTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
NTDB id 1020 ACIAD RS04210 WP 011182164.1      LTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
NTDB id 1060 ABD1 RS04380 WP 000355489.1       LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
NTDB id 1040 HON27 RS13360 WP 000355489.1      LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
consensus                                      ***!!!!!!** *******!!*****! *!  !!***!!**!!*!!*!!*!**!****!***!!!!!!***!!!***!**
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logo
NTDB id 1203 PSJM300 01605 AFN76401.1          ALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTP....DGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTD  311
NTDB id 1019 ACIAD RS04205 WP 004922051.1      TLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTH....DGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGE  312
NTDB id 1162508 U9974 RS10260 WP 322774008.1  TVDRMVDVFPAGQQAQIRTQLSSSLAAIFAQTLCRRSSPSSHNYGRVMAQEIIVNTPALANLIREAKTAQIYSQIQTGGQ  317
NTDB id 1307 DR RS10055 WP 010888596.1         SIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRA....DGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAR  315
NTDB id 1086 NMV RS00245 WP 002218487.1        TVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTH....DGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQA  311
NTDB id 1116 NGFG RS10615 WP 003690200.1       TVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTH....DGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQA  311
NTDB id 1185 GTF74 RS11940 WP 000350195.1      TIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.....VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAA  310
NTDB id 1176 A1552VC RS01160 WP 000350195.1    TIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.....VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAA  310
NTDB id 1283 ACE17W RS02630 WP 010947729.1     TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.....NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQA  310
NTDB id 1259 GC085 RS10305 WP 010947729.1      TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.....NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQA  310
NTDB id 1202 PSJM300 01600 AFN76400.1          TIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLKK.....VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGS  310
NTDB id 1194 PAKAF RS01995 WP 003084552.1      TIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKK.....IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGS  310
NTDB id 1020 ACIAD RS04210 WP 011182164.1      TIDRIIDVFPAEEKDMVRTMLSESLQAVISQTLLKK.....EGGGRVAAHEIMIGIPAIRNLIREGKVAQMYSSIQTGAT  310
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.....NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGAN  310
NTDB id 1060 ABD1 RS04380 WP 000355489.1       TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.....NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGAN  310
NTDB id 1040 HON27 RS13360 WP 000355489.1      TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.....NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGAN  310
consensus                                      ***!*****!**********!***! *****!*!***       ***!****!***********!!* ******* *****
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NTDB id 1203 PSJM300 01605 AFN76401.1          LGMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEH.LTSVS...QGL.TLEMSDDDPGRSFR.....   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1      LGMQTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPL.DNRER..MSEM.ERKMTFDGQRRNLK.....   383
NTDB id 1162508 U9974 RS10260 WP 322774008.1  LGMQTLEKALADMVKQGDIALEEAHTHSTKPDELNRLLGNSL.......................................   359
NTDB id 1307 DR RS10055 WP 010888596.1         EGMVTMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAA   395
NTDB id 1086 NMV RS00245 WP 002218487.1        SGMQTMDQSLQSLVRQGLIAPEVARRRAQNSESMSF...........................................   347
NTDB id 1116 NGFG RS10615 WP 003690200.1       SGMQTMDQSLQSLVRQGLIAPEAARRRAQNSESMSF...........................................   347
NTDB id 1185 GTF74 RS11940 WP 000350195.1      HGMQTMEQNAKQLIARGVVDAQEVQSKIELDLKAF............................................   345
NTDB id 1176 A1552VC RS01160 WP 000350195.1    HGMQTMEQNAKQLIARGVVDAQEVQSKIELDLKAF............................................   345
NTDB id 1283 ACE17W RS02630 WP 010947729.1     KGMQTLDQHLTELVNKNIISKHTAHEAALNK.SLF............................................   344
NTDB id 1259 GC085 RS10305 WP 010947729.1      KGMQTLDQHLTELVNKNIISKHTAHEAALNK.SLF............................................   344
NTDB id 1202 PSJM300 01600 AFN76400.1          LGMQTLDSCLKGLLAKGLISRDSAKEKAKQP.ENF............................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1      LGMQTLDMCLKGLVAKGLISRENAREKAKIP.ENF............................................   344
NTDB id 1020 ACIAD RS04210 WP 011182164.1      HGMTTLDQSLKQLLAKGIINLPTARAVAKSP.ESF............................................   344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      HGMTTLDQSLKGLVSRGVISPQTARTAAKQP.ESFL...........................................   345
NTDB id 1060 ABD1 RS04380 WP 000355489.1       HGMTTLDQSLKGLVARGVISPQTARTAAKQP.ESFL...........................................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1      HGMTTLDQSLKGLVARGVISPQTARTAAKQP.ESFL...........................................   345
consensus                                       !!*!*** *  ** *****   *    *  * * *

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NTDB id 1203 PSJM300 01605 AFN76401.1          ........................   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1      ........................   383
NTDB id 1162508 U9974 RS10260 WP 322774008.1  ........................   359
NTDB id 1307 DR RS10055 WP 010888596.1         PATPAAPAAGRSEPGRAGGFGRR   418
NTDB id 1086 NMV RS00245 WP 002218487.1        ........................   347
NTDB id 1116 NGFG RS10615 WP 003690200.1       ........................   347
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
NTDB id 1020 ACIAD RS04210 WP 011182164.1      ........................   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