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NTDB id 1203 PSJM300 01605 AFN76401.1         ....MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAISAR  76
NTDB id 167462 AL527 RS20370 WP 104926606.1   ....MEVTDLLALALKAGASDMHLAAGQAPAMRVHGVLQRLRVPMATPDDLMRSMESLLDADPYRQWAAGHDLDVALELP  76
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 1060 ABD1 RS04380 WP 000355489.1      ....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP  76
NTDB id 1040 HON27 RS13360 WP 000355489.1     ....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP  76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1     ....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP  76
consensus                                         ******!****** *!!*****!**!*****!******** * * ** ***************** ** *******
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NTDB id 1203 PSJM300 01605 AFN76401.1         GIGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHII  156
NTDB id 167462 AL527 RS20370 WP 104926606.1   ALGRFRVNLFRQMNGPALTVRLIPARIACAEALGLGEIVRTTGRYRDGLVLIGGPTGSGKTSTLAALLDQMGRERALHIV  156
NTDB id 1307 DR RS10055 WP 010888596.1        DKARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHIL  160
NTDB id 1086 NMV RS00245 WP 002218487.1       NVARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHIL  156
NTDB id 1116 NGFG RS10615 WP 003690200.1      NVARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHIL  156
NTDB id 1185 GTF74 RS11940 WP 000350195.1     NVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHIL  156
NTDB id 1176 A1552VC RS01160 WP 000350195.1   NVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHIL  156
NTDB id 1283 ACE17W RS02630 WP 010947729.1    NLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHIL  156
NTDB id 1259 GC085 RS10305 WP 010947729.1     NLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHIL  156
NTDB id 1202 PSJM300 01600 AFN76400.1         GVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHIL  156
NTDB id 1194 PAKAF RS01995 WP 003084552.1     GVARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHIL  156
NTDB id 1020 ACIAD RS04210 WP 011182164.1     NLARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRYDHIL  156
NTDB id 1060 ABD1 RS04380 WP 000355489.1      NVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHIL  156
NTDB id 1040 HON27 RS13360 WP 000355489.1     NVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHIL  156
NTDB id 1081 FDQ49 RS05335 WP 006581387.1     NVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHIL  156
consensus                                     ***!!!!**!** *******!*!** *********  *** ** ***!*!!**!*!!*!!***!!*******  *  !!*
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NTDB id 1203 PSJM300 01605 AFN76401.1      SIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQA  236
NTDB id 167462 AL527 RS20370 WP 104926606.1 TLEDPIEVVHASHQGVVNQREIGRDCCSFAQGLRSALRQDPDVIVLGELRDLETIRLALRAAETGHLVLATVHTRSAVNT  236
NTDB id 1307 DR RS10055 WP 010888596.1     TIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAPES  240
NTDB id 1086 NMV RS00245 WP 002218487.1    TIEDPIEFVHQSKKSLINQRELHQHTLSFANALRSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAKT  236
NTDB id 1116 NGFG RS10615 WP 003690200.1   TIEDPIEFVHQSKKSLINQRELHQHTLSFANALSSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAKT  236
NTDB id 1185 GTF74 RS11940 WP 000350195.1  TIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAKT  236
NTDB id 1176 A1552VC RS01160 WP 000350195.1 TIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAKT  236
NTDB id 1283 ACE17W RS02630 WP 010947729.1 TVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATKT  236
NTDB id 1259 GCO85 RS10305 WP 010947729.1  TVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATKT  236
NTDB id 1202 PSJM300 01600 AFN76400.1       TIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKT  236
NTDB id 1194 PAKAF RS01995 WP 003084552.1  TIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKT  236
NTDB id 1020 ACIAD RS04210 WP 011182164.1  TVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKT  236
NTDB id 1060 ABD1 RS04380 WP 000355489.1   TVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKT  236
NTDB id 1040 HON27 RS13360 WP 000355489.1  TVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKT  236
NTDB id 1081 FDQ49 RS05335 WP 006581387.1  TVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKT  236
consensus                                  **!!!!!**!  *******!!!*****  *!   *!***!!**!!*!**!!*!**!!***!***!!!!!***!*!***!***
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NTDB id 1203 PSJM300 01605 AFN76401.1      LDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQT  316
NTDB id 167462 AL527 RS20370 WP 104926606.1 VDRVVEVFPAQEKPWVRAMLADSLRVVVAQVLVGR.RGGGRVAAREVLVVNDAARNLIREGRMAQLHSVMQTGAAEGMQT  315
NTDB id 1307 DR RS10055 WP 010888596.1     IDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGMVT  320
NTDB id 1086 NMV RS00245 WP 002218487.1    VDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGMQT  316
NTDB id 1116 NGFG RS10615 WP 003690200.1   VDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGMQT  316
NTDB id 1185 GTF74 RS11940 WP 000350195.1  IDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGMQT  315
NTDB id 1176 A1552VC RS01160 WP 000350195.1 IDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGMQT  315
NTDB id 1283 ACE17W RS02630 WP 010947729.1 INRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQT  315
NTDB id 1259 GCO85 RS10305 WP 010947729.1  INRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQT  315
NTDB id 1202 PSJM300 01600 AFN76400.1       IDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLKK.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGSLGMQT  315
NTDB id 1194 PAKAF RS01995 WP 003084552.1  IDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSLGMQT  315
NTDB id 1020 ACIAD RS04210 WP 011182164.1  IDRIIDVFPAEEKDMVRTMLSESLQAVISQTLLKK.EGGGRVAAHEIMIGIPAIRNLIREGKVAQMYSSIQTGATHGMTT  315
NTDB id 1060 ABD1 RS04380 WP 000355489.1   IDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMTT  315
NTDB id 1040 HON27 RS13360 WP 000355489.1  IDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMTT  315
NTDB id 1081 FDQ49 RS05335 WP 006581387.1  IDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMTT  315
consensus                                  **!****!!*****************!***!  ****!  !***   **!!****!****  *****!!!*  *******  *****   !!*!
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NTDB id 1203 PSJM300 01605 AFN76401.1          FDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSE.TDGEHLTSVSQGLTL....EMSDDDPGRSFR.....   381
NTDB id 167462 AL527 RS20370 WP 104926606.1    LAGAMKQLQAGGLLAE..............................................................   331
NTDB id 1307 DR RS10055 WP 010888596.1         MDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPATPA   400
NTDB id 1086 NMV RS00245 WP 002218487.1        MDQSLQSLVRQGLIAPEVARRRAQNSESMSF...............................................   347
NTDB id 1116 NGFG RS10615 WP 003690200.1       MDQSLQSLVRQGLIAPEAARRRAQNSESMSF...............................................   347
NTDB id 1185 GTF74 RS11940 WP 000350195.1      MEQNAKQLIARGVVDAQEVQSKIELDLKAF.................................................   345
NTDB id 1176 A1552VC RS01160 WP 000350195.1    MEQNAKQLIARGVVDAQEVQSKIELDLKAF.................................................   345
NTDB id 1283 ACE17W RS02630 WP 010947729.1     LDQHLTELVNKNIISKHTAHEAALNK.SLF.................................................   344
NTDB id 1259 GCO85 RS10305 WP 010947729.1      LDQHLTELVNKNIISKHTAHEAALNK.SLF.................................................   344
NTDB id 1202 PSJM300 01600 AFN76400.1          LDSCLKGLLAKGLISRDSAKEKAKQP.ENF.................................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1      LDMCLKGLVAKGLISRENAREKAKIP.ENF.................................................   344
NTDB id 1020 ACIAD RS04210 WP 011182164.1      LDQSLKQLLAKGIINLPTARAVAKSP.ESF.................................................   344
NTDB id 1060 ABD1 RS04380 WP 000355489.1       LDQSLKGLVARGVISPQTARTAAKQP.ESFL................................................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1      LDQSLKGLVARGVISPQTARTAAKQP.ESFL................................................   345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      LDQSLKGLVSRGVISPQTARTAAKQP.ESFL................................................   345
consensus                                      *** ** !* *****    *    *       *
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NTDB id 1203 PSJM300 01605 AFN76401.1          ...................   381
NTDB id 167462 AL527 RS20370 WP 104926606.1    ...................   331
NTDB id 1307 DR RS10055 WP 010888596.1         APAAGRSEPGRAGGFGRR   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 GCO85 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 1060 ABD1 RS04380 WP 000355489.1       ...................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1      ...................   345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      ...................   345
consensus
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X non conserved
X similar
X ≥ 50% conserved