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NTDB id 1203 PSJM300 01605 AFN76401.1          ....MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAISAR   76
NTDB id 1177 A1552VC RS01165 WP 000422572.1    ....MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEA.LSVADVTALLHAMMDDARQAEFKQTREANFAV.VR   74
NTDB id 205471 GT3921 RS06505 WP 025949374.1   ..MKEKLDGLLRAAFEYRASDVHLTVGAPPIFRIHGELKAYGQERLRPADTEQMANAVIPAPLWEQFQETGELDFSYGLA   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 GCO85 RS10305 WP 010947729.1      ....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEIA   76
NTDB id 1194 PAKAF RS01995 WP 003084552.1      ....MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP   76
NTDB id 1202 PSJM300 01600 AFN76400.1          ....MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP   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 205471 GT3921 RS06505 WP 025949374.1   GVSRFRINVFKQRSCVSLAVRLIPPRVPTLEELGLPNVLKRIAEKPHGLVLVTGPTGSGKSTTLAAMIDYINKTMSRHII   158
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 GCO85 RS10305 WP 010947729.1      NLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHIL   156
NTDB id 1194 PAKAF RS01995 WP 003084552.1      GVARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHIL   156
NTDB id 1202 PSJM300 01600 AFN76400.1          GVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHIL   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 1177 A1552VC RS01165 WP 000422572.1 TVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANNANQA  234
NTDB id 205471 GT3921 RS06505 WP 025949374.1 TLEDPIEYLHQHGKSIIDQREVGFDTNSFAAGLRAALRQDPDVILVGEMRDLETIQTAITAAETGHLVLGTLHTASAPAA  238
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 1194 PAKAF RS01995 WP 003084552.1  TIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKT  236
NTDB id 1202 PSJM300 01600 AFN76400.1       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      LDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGFRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQT  316
NTDB id 1177 A1552VC RS01165 WP 000422572.1 LERILHLVPKEQRELQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEVGMQT  314
NTDB id 205471 GT3921 RS06505 WP 025949374.1 IERMIDVFPSAQQAQIRLQLASVLVAVMAQRLFPNAQKKGRTAAIEILLNNAAVANLIRNEKEHQIVNIMQTSKSMGMQT  318
NTDB id 1307 DR RS10055 WP 010888596.1     IDRIVDVFPEEQQLQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGMVT  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 1194 PAKAF RS01995 WP 003084552.1  IDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSLGMQT  315
NTDB id 1202 PSJM300 01600 AFN76400.1       IDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLKK.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGSLGMQT  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          FDQALYNLYVQGEITYEDALLHADSSNDLRLMIK..LGSETDGEHLTSVSQGLTL....EMSDDDPGRSFR.........   381
NTDB id 1177 A1552VC RS01165 WP 000422572.1    FDQALYQLVVDDKISEQDALHSADSANDLRLMLK..TKRGDDYGSG..SLQNVKI....DME...................   368
NTDB id 205471 GT3921 RS06505 WP 025949374.1   MEMSVKELVAAGRIDPAAAEAYMARERGT.....DDAI.....................................   351
NTDB id 1307 DR RS10055 WP 010888596.1         MDAYLAGLFRRHLITYDKGLERAID.PKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPATP   399
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     LDQHLTELVNKNIISKHTAHEAALN.KSLF.....................................   344
NTDB id 1259 GCO85 RS10305 WP 010947729.1      LDQHLTELVNKNIISKHTAHEAALN.KSLF.....................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1      LDMCLKGLVAKGLISRENAREKAKI.PENF.....................................   344
NTDB id 1202 PSJM300 01600 AFN76400.1          LDSCLKGLLAKGLISRDSAKEKAKQ.PENF.....................................   344
NTDB id 1020 ACIAD RS04210 WP 011182164.1      LDQSLKQLLAKGIINLPTARAVAKS.PESF.....................................   344
NTDB id 1060 ABD1 RS04380 WP 000355489.1       LDQSLKGLVARGVISPQTARTAAKQ.PESFL....................................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1      LDQSLKGLVARGVISPQTARTAAKQ.PESFL....................................   345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      LDQSLKGLVSRGVISPQTARTAAKQ.PESFL....................................   345
consensus                                      *** **  !* *****    *    *       *
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NTDB id 1203 PSJM300 01605 AFN76401.1          ..................   381
NTDB id 1177 A1552VC RS01165 WP 000422572.1    ..................   368
NTDB id 205471 GT3921 RS06505 WP 025949374.1   ..................   351
NTDB id 1307 DR RS10055 WP 010888596.1         AAPAAGRSEPGRAGGFGRR   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 1194 PAKAF RS01995 WP 003084552.1      ..................   344
NTDB id 1202 PSJM300 01600 AFN76400.1          ..................   344
NTDB id 1020 ACIAD RS04210 WP 011182164.1      ..................   344
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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