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NTDB id 1027176 AB4P97 RS10920 WP 395602642.1  ....MEIDALLKQLASRHGSDLFLSTGAPPSARFEGVLTPLSEQSFKPGEVATVATSLMDAEQRREFDRDLEMNLAISRP  76
NTDB id 1177 A1552VC RS01165 WP 000422572.1    ....MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEAL.SVADVTALLHAMMDDARQAEFKQTREANFAVVRD  75
NTDB id 1203 PSJM300 01605 AFN76401.1          ....MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAISAR  76
NTDB id 1019 ACIAD RS04205 WP 004922051.1      ....MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAILNR  76
NTDB id 1307 DR RS10055 WP 010888596.1         MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSFALG  80
NTDB id 1185 GTF74 RS11940 WP 000350195.1      ....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFELP  76
NTDB id 1176 A1552VC RS01160 WP 000350195.1    ....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFELP  76
NTDB id 1116 NGFG RS10615 WP 003690200.1       ....MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFELP  76
NTDB id 1086 NMV RS00245 WP 002218487.1        ....MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFELP  76
consensus                                          *** **!    **   *!!* ***!*******  !*** *     **   **   ** ***** ***** *  *!***** **
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NTDB id 1027176 AB4P97 RS10920 WP 395602642.1  G.IGRFRVNIFKQRNDVSIVIRNVKLDIPRFEDLKLPPVLLETVMLKQGLVLFVGATDSGKSTSLAALIDHRNRHSSCHI  155
NTDB id 1177 A1552VC RS01165 WP 000422572.1    ..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTCHI  153
NTDB id 1203 PSJM300 01605 AFN76401.1          G.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSCHI  155
NTDB id 1019 ACIAD RS04205 WP 004922051.1      EKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSKCHI  156
NTDB id 1307 DR RS10055 WP 010888596.1         D.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHI  159
NTDB id 1185 GTF74 RS11940 WP 000350195.1      N.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHI  155
NTDB id 1176 A1552VC RS01160 WP 000350195.1    N.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHI  155
NTDB id 1116 NGFG RS10615 WP 003690200.1       N.VARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI  155
NTDB id 1086 NMV RS00245 WP 002218487.1        N.VARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI  155
consensus                                        **!!!!**!  **    **!*!  *** **********! ** ***   *!******!*!**!!!!**!*******!  *   *!!
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NTDB id 1027176 AB4P97 RS10920 WP 395602642.1  VTIEDPIEYIHRHQRSIINQREVGVDTRSFHSALKNTLRQAPDVVLIGEIRDRETMEHALSFAETGHLVLSTLHANNANQ  235
NTDB id 1177 A1552VC RS01165 WP 000422572.1    LTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANNANQ  233
NTDB id 1203 PSJM300 01605 AFN76401.1          ISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQ  235
NTDB id 1019 ACIAD RS04205 WP 004922051.1      ITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANNANQ  236
NTDB id 1307 DR RS10055 WP 010888596.1         LTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAPE  239
NTDB id 1185 GTF74 RS11940 WP 000350195.1      LTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAK  235
NTDB id 1176 A1552VC RS01160 WP 000350195.1    LTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAK  235
NTDB id 1116 NGFG RS10615 WP 003690200.1       LTIEDPIEFVHQSKKSLINQRELHQHTLSFANALSSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAK  235
NTDB id 1086 NMV RS00245 WP 002218487.1        LTIEDPIEFVHQSKKSLINQRELHQHTLSFANALRSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAK  235
consensus                                      ***!!!!!**!    *****!!!** *! !*  !!* *!!**!!**!*!!*!* !**   !***!!!!!!***!!!** !
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NTDB id 1027176 AB4P97 RS10920 WP 395602642.1  ALDRIINMFAEERRPQLLQALGNNLKACISQRLVRTVDGN.RRAAVEVLLGTPTVADLVRRCEFGELKAMMEKSAAMGMQ  314
NTDB id 1177 A1552VC RS01165 WP 000422572.1    ALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEVGMQ  313
NTDB id 1203 PSJM300 01605 AFN76401.1          ALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQ  315
NTDB id 1019 ACIAD RS04205 WP 004922051.1      TLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGELGMQ  316
NTDB id 1307 DR RS10055 WP 010888596.1         SIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGMV  319
NTDB id 1185 GTF74 RS11940 WP 000350195.1      TIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGMQ  314
NTDB id 1176 A1552VC RS01160 WP 000350195.1    TIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGMQ  314
NTDB id 1116 NGFG RS10615 WP 003690200.1       TVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGMQ  315
NTDB id 1086 NMV RS00245 WP 002218487.1        TVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGMQ  315
consensus                                      ***!!*******  *****   !* *!*****!*!***  *!**!**   !******!***  **!*  **  **  ********  !!*
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NTDB id 1027176 AB4P97 RS10920 WP 395602642.1  TFDSALFALVSTGVITEEEALRNADSVNNLKLRLKLIGE.....SKIDRNSTAGEWGLM...D.................  369
NTDB id 1177 A1552VC RS01165 WP 000422572.1    TFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRG.....DDY...GSGSLQNVKIDME.................  368
NTDB id 1203 PSJM300 01605 AFN76401.1          TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSE.....TDGEHLTSVS.QGLTLEMSDDDPGRSFR.........  381
NTDB id 1019 ACIAD RS04205 WP 004922051.1      TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEE.....ANKPLDNRERMSEMERKMTFDGQRRNLK.........  383
NTDB id 1307 DR RS10055 WP 010888596.1         TMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSA.SSSSTGRGGDFGRGAAAPAT  398
NTDB id 1185 GTF74 RS11940 WP 000350195.1      TMEQNAKQLIARGVVDAQEVQSKIELD..LKAF.....................................................  345
NTDB id 1176 A1552VC RS01160 WP 000350195.1    TMEQNAKQLIARGVVDAQEVQSKIELD..LKAF.....................................................  345
NTDB id 1116 NGFG RS10615 WP 003690200.1       TMDQSLQSLVRQGLIAPEAARRRAQNS.ESMSF.....................................................  347
NTDB id 1086 NMV RS00245 WP 002218487.1        TMDQSLQSLVRQGLIAPEVARRRAQNS.ESMSF.....................................................  347
consensus                                      !*** *  !*  **** **** *** *  ***
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logo


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NTDB id 1027176 AB4P97 RS10920 WP 395602642.1  ..................  369
NTDB id 1177 A1552VC RS01165 WP 000422572.1    ..................  368
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         PAAPAAGRSEPGRAGGFGRR  418
NTDB id 1185 GTF74 RS11940 WP 000350195.1      ..................  345
NTDB id 1176 A1552VC RS01160 WP 000350195.1    ..................  345
NTDB id 1116 NGFG RS10615 WP 003690200.1       ..................  347
NTDB id 1086 NMV RS00245 WP 002218487.1        ..................  347
consensus
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X non conserved
X similar
X ≥ 50% conserved