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NTDB id 1307 DR RS10055 WP 010888596.1      MTSGIDITDDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEP.....LSASDTRKLMYSMMNERQQRIFEEKRELDF   75
NTDB id 1185 GTF74 RS11940 WP 000350195.1   ....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPA.....FTHSDVHRLIFEIMNDAQRSEYEEKLEVDF   71
NTDB id 1176 A1552VC RS01160 WP 000350195.1 ....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPA.....FTHSDVHRLIFEIMNDAQRSEYEEKLEVDF   71
NTDB id 1283 ACE17W RS02630 WP 010947729.1  ....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPP.....LEHKDVIKIIYDIMNDRQRKEYEEFFETDF   71
NTDB id 1259 GCO85 RS10305 WP 010947729.1   ....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPP.....LEHKDVIKIIYDIMNDRQRKEYEEFFETDF   71
NTDB id 1194 PAKAF RS01995 WP 003084552.1   ....MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPP.....LEHKQVHALIYDIMNDKQRKDFEEFLETDF   71
NTDB id 72502 M52SOB RS06855 WP 131111170.1 ...MIEIQELLHQMLERGASDLFISAEIPPHLKIQGRTLPAQRAGRSWPAL.APGESRRFAYALMNEAQRAEFEKNKECNF   77
NTDB id 1177 A1552VC RS01165 WP 000422572.1 ....MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEAL.....SVADVTALLHAMMDDARQAEFKQTREANF   70
NTDB id 1203 PSJM300 01605 AFN76401.1       ....MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTP.....MSPEMTRETVHGVMNEQQRREFTENHECNF   71
NTDB id 1019 ACIAD RS04205 WP 004922051.1   ....MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTK.....LDGDMIAQLIDSITTQKQRQEFIETHECNF   71
consensus                                        *** **! **** *!!**********!********** *** ** ********************  ! *!
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NTDB id 1307 DR RS10055 WP 010888596.1      SFALGD.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTT   154
NTDB id 1185 GTF74 RS11940 WP 000350195.1   SFELPN.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAH   150
NTDB id 1176 A1552VC RS01160 WP 000350195.1 SFELPN.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAH   150
NTDB id 1283 ACE17W RS02630 WP 010947729.1  SFEIAN.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSS   150
NTDB id 1259 GCO85 RS10305 WP 010947729.1   SFEIAN.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSS   150
NTDB id 1194 PAKAF RS01995 WP 003084552.1   SFEVPG.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNT   150
NTDB id 72502 M52SOB RS06855 WP 131111170.1 ALATRG.GGRYRVNVYYQRGEVSMVIRLIKTNVPSFEELGLPPQAGQLALLRRGLVLVVGAAGMGKSTTLAAMVAHRART   156
NTDB id 1177 A1552VC RS01165 WP 000422572.1 AVVRD..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQH   148
NTDB id 1203 PSJM300 01605 AFN76401.1        AISARG.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKN   150
NTDB id 1019 ACIAD RS04205 WP 004922051.1   AILNREKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQH   151
consensus                                   ****    **!*!!*** !*** **!*!*!** ********************  **    *!*****!**!*!!!!**!***  *** *
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NTDB id 1307 DR RS10055 WP 010888596.1      KKLHILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHT   234
NTDB id 1185 GTF74 RS11940 WP 000350195.1   HNKHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHT   230
NTDB id 1176 A1552VC RS01160 WP 000350195.1 HNKHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHT   230
NTDB id 1283 ACE17W RS02630 WP 010947729.1  RYEHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHT   230
NTDB id 1259 GCO85 RS10305 WP 010947729.1   RYEHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHT   230
NTDB id 1194 PAKAF RS01995 WP 003084552.1   KYHHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHT   230
NTDB id 72502 M52SOB RS06855 WP 131111170.1 LDGHILSVEDPIEYIYPHGKSVVEQREVGIDTLSFADALKNMMRQAPDVIVIGEIRDRETAKNAIMYAEAGALCLSTMHS   236
NTDB id 1177 A1552VC RS01165 WP 000422572.1 RTGHILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHA   228
NTDB id 1203 PSJM300 01605 AFN76401.1        SSGHIISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHA   230
NTDB id 1019 ACIAD RS04205 WP 004922051.1   SKGHIITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHA   231
consensus                                   *  !!***!!!!!***  ******!!!!**!!***  !!****!  !!*!**!!*!* !****!***!!*!*!***!*!*
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NTDB id 1307 DR RS10055 WP 010888596.1       NSAPESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGA  314
NTDB id 1185 GTF74 RS11940 WP 000350195.1    SSAAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGA  309
NTDB id 1176 A1552VC RS01160 WP 000350195.1  SSAAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGA  309
NTDB id 1283 ACE17W RS02630 WP 010947729.1   NSATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQ  309
NTDB id 1259 GCO85 RS10305 WP 010947729.1    NSATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQ  309
NTDB id 1194 PAKAF RS01995 WP 003084552.1    TSAAKTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGG  309
NTDB id 72502 M52SOB RS06855 WP 131111170.1  NNANQAIERIVNFFPEELHRQVLLDLSLNLKGVISQRLLPGLHGG.QVLATEVLLQSAYSSSLIQKGEVAQLKEAIRKGT  315
NTDB id 1177 A1552VC RS01165 WP 000422572.1  NNANQALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQ  308
NTDB id 1203 PSJM300 01605 AFN76401.1        NNANQALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRST  310
NTDB id 1019 ACIAD RS04205 WP 004922051.1    NNANQTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSG  311
consensus                                    **!  ****!**********   ****!** !*****! !***  ******* !*** *******!** **************
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NTDB id 1307 DR RS10055 WP 010888596.1       REGMVTMDAYLAGLFRRHLITYDKGLERAIDP.K..EFARLANDASAGL.GGASMTPAAPPVPAYNSASSSSTGRGGDFG  390
NTDB id 1185 GTF74 RS11940 WP 000350195.1    AHGMQTMEQNAKQLIARGVVDAQEVQSKIELDLK..AF.....................................................  345
NTDB id 1176 A1552VC RS01160 WP 000350195.1  AHGMQTMEQNAKQLIARGVVDAQEVQSKIELDLK..AF.....................................................  345
NTDB id 1283 ACE17W RS02630 WP 010947729.1   AKGMQTLDQHLTELVNKNIISKHTAHEAALNK.S..LF.....................................................  344
NTDB id 1259 GCO85 RS10305 WP 010947729.1    AKGMQTLDQHLTELVNKNIISKHTAHEAALNK.S..LF.....................................................  344
NTDB id 1194 PAKAF RS01995 WP 003084552.1    SLGMQTLDMCLKGLVAKGLISRENAREKAKIP.E..NF.....................................................  344
NTDB id 72502 M52SOB RS06855 WP 131111170.1  ASGMQLFDDCLLELCRARRIAPEEALNHADSKTDLALKLRLAVAPERL.....................................  363
NTDB id 1177 A1552VC RS01165 WP 000422572.1  EVGMQTFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSLQNVKI.........DME.........  368
NTDB id 1203 PSJM300 01605 AFN76401.1        DLGMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTL.........EMSDDDPGRSFR  381
NTDB id 1019 ACIAD RS04205 WP 004922051.1    ELGMQTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMER.........KMTFDGQRRNLK  383
consensus                                    * !!****** *   !* * *** *** **       ** *
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NTDB id 1307 DR RS10055 WP 010888596.1       RGAAAPATPAAPAAGRSEPGRAGGFGRR  418
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 72502 M52SOB RS06855 WP 131111170.1  ............................  363
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
consensus
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X non conserved
X similar
X ≥ 50% conserved