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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1122441 EL255 RS12840 WP 042654691.1  ....MELRDMLQTLASQDGSDLYLSTGAPPCAKFNGALRPLSETSLEPGEVARIAADLMDSEQKQQFEKELEMNLAISLP   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 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
consensus                                         *** **! ****  *!!*****!********!***** ** *** ** ****************  ! ******

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NTDB id 1122441 EL255 RS12840 WP 042654691.1  Q.IGRFRINIFKQRNEVSLVARNIKTEIPRFEDLKLPPVLLDTIMEKRGLVLFVGGTGSGKSTSLAALIDHRNRNHSGHI   155
NTDB id 1177 A1552VC RS01165 WP 000422572.1   ..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHI   153
NTDB id 1203 PSJM300 01605 AFN76401.1         G.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHI   155
NTDB id 1019 ACIAD RS04205 WP 004922051.1     EKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSKGHI   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 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
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consensus                                       **!!!***! ! ** **!*!*!** ******* ****** **   *!*****!*!!*!!!!**!******!  *  !!

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NTDB id 1122441 EL255 RS12840 WP 042654691.1  ITIEDPVEFVHRHRKSIINQREVGVDTRSFHAALKNTLRQAPDVILIGEIRDRETMEHALAFSETGHLAISTLHANNANQ   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 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
consensus                                     ***!!!*!!*!  ******!!!!**!! **  !!***!!**!!*!!*!!*!* !** *!****!!!!!***!!!***! *
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NTDB id 1122441 EL255 RS12840 WP 042654691.1  ALDRIINFFPEERRPQLLNDLGNNLKAFVSQRLVKTTDG.GRRAAVEVMLGTHTIRDLIKRGEFGSLKEIMEKSRALGMV  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 1283 ACE17W RS02630 WP 010947729.1    TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ  314
NTDB id 1259 GC085 RS10305 WP 010947729.1     TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ  314
NTDB id 1202 PSJM300 01600 AFN76400.1         TIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLKK.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGSLGMQ  314
NTDB id 1194 PAKAF RS01995 WP 003084552.1     TIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSLGMQ  314
consensus                                     ***!********** *****!***!*****! !***  ***!*** !***********!*************** *!!*

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NTDB id 1122441 EL255 RS12840 WP 042654691.1  TFDSTLFDLVVEGVIDEEEAVKNADSANN..LRLKIKLWQEKGS.LANSAD..ASGW.SLEPTKDDKDELF.........  379
NTDB id 1177 A1552VC RS01165 WP 000422572.1   TFDQALYQLVVDDKISEQDALHSADSAND..LRLMLKTKRGDDY...GSGS..LQNV.KIDME.................  368
NTDB id 1203 PSJM300 01605 AFN76401.1         TFDQALYNLYVQGEITYEDALLHADSSND..LRLMIKLGSETDGEHLTSVS...QGL.TLEMSDDDPGRSFR........  381
NTDB id 1019 ACIAD RS04205 WP 004922051.1     TFDQALFDLYDHQHISYADALKHADSPNN..LRLQIKLSEEANKPLDNRER..MSEM.ERKMTFDGQRRNLK........  383
NTDB id 1307 DR RS10055 WP 010888596.1        TMDAYLAGLFRRHLITYDKGLERA.IDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPAT  398
NTDB id 1185 GTF74 RS11940 WP 000350195.1     TMEQNAKQLIARGVVDAQEVQSKIELDLKAF...................................................  345
NTDB id 1176 A1552VC RS01160 WP 000350195.1   TMEQNAKQLIARGVVDAQEVQSKIELDLKAF...................................................  345
NTDB id 1283 ACE17W RS02630 WP 010947729.1    TLDQHLTELVNKNIISKHTAHEAA.LNKSLF...................................................  344
NTDB id 1259 GC085 RS10305 WP 010947729.1     TLDQHLTELVNKNIISKHTAHEAA.LNKSLF...................................................  344
NTDB id 1202 PSJM300 01600 AFN76400.1         TLDSCLKGLLAKGLISRDSAKEKA.KQPENF...................................................  344
NTDB id 1194 PAKAF RS01995 WP 003084552.1     TLDMCLKGLVAKGLISRENAREKA.KIPENF...................................................  344
consensus                                     !*** *  !* *****  **   **     *

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NTDB id 1122441 EL255 RS12840 WP 042654691.1  .....................  379
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 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
consensus
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X non conserved

X similar

X ≥50% conserved