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logo
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NTDB id 1177 A1552VC RS01165 WP 000422572.1    ....MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEA.LSVADVTALLHAMMDDARQAEFKQTREANFAVVRD   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 1283 ACE17W RS02630 WP 010947729.1     ....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEIA   76
NTDB id 1259 GC085 RS10305 WP 010947729.1      ....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEIA   76
NTDB id 1194 PAKAF RS01995 WP 003084552.1      ....MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP   76
NTDB id 1020 ACIAD RS04210 WP 011182164.1      ....MDITELLAFSVQNRASDLHLSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRRDYEEKLETDFSFEVP   76
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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 1307 DR RS10055 WP 010888596.1         D.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHI  159
NTDB id 1283 ACE17W RS02630 WP 010947729.1     N.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI  155
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NTDB id 1194 PAKAF RS01995 WP 003084552.1      G.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHI  155
NTDB id 1020 ACIAD RS04210 WP 011182164.1      N.LARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRYDHI  155
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consensus                                        **!!!!**!*! *****!*!*!************ *****    !!*****!*!!*!!!!**!******!  ** !!

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NTDB id 66397 JCM16456 RS02075 WP 068711932.1  LTVEDPIEFVHEHQGCIVTQREVGLDTDSYEVALKNSLRQAPDMILIGEIRSRETMEYAMNFAETGHLCMATLHANNANQ  233
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NTDB id 1019 ACIAD RS04205 WP 004922051.1      ITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANNANQ  236
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NTDB id 1259 GC085 RS10305 WP 010947729.1      LTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATK  235
NTDB id 1194 PAKAF RS01995 WP 003084552.1      LTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
NTDB id 1020 ACIAD RS04210 WP 011182164.1      LTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
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NTDB id 1040 HON27 RS13360 WP 000355489.1      LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
consensus                                      ***!!!!!!*!  ******!!!!!**!! **  !!***!!**!!*!!*!!*!**!****!***!!!!!!***!!!***! *
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NTDB id 66397 JCM16456 RS02075 WP 068711932.1  ALERILHLVPKEQKDQFLFDLSMNLRGVVGQQLVRDSQGQGRYGAFEILLNTPRVSDLIRRGELHELKETMARSRESGMQ   313
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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 1283 ACE17W RS02630 WP 010947729.1     TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK.KNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ   314
NTDB id 1259 GCO85 RS10305 WP 010947729.1      TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK.KNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ   314
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1      TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK.KNGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT   314
consensus                                      ***!*************** *!***!*****!*!** *****!*** !*** *******!!* ******* *****  !!*

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NTDB id 66397 JCM16456 RS02075 WP 068711932.1  TFDQALYELVIENKISEEDAMQCADSANDLRLMLKTQRGDTSSGT..GSLDHVTID........MD..............   369
NTDB id 1177 A1552VC RS01165 WP 000422572.1    TFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDD.YGS..GSLQNVKID........ME..............   368
NTDB id 1203 PSJM300 01605 AFN76401.1          TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTLE........MSDDDPGRSFR.....   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1      TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMERK........MTFDGQRRNLK.....   383
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NTDB id 1283 ACE17W RS02630 WP 010947729.1     TLDQHLTELVNKNIISKHTAHEAALNKSLF..................................................   344
NTDB id 1259 GCO85 RS10305 WP 010947729.1      TLDQHLTELVNKNIISKHTAHEAALNKSLF..................................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1      TLDMCLKGLVAKGLISRENAREKAKIPENF...................................................   344
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1      TLDQSLKGLVSRGVISPQTARTAAKQPESFL..................................................   345
consensus                                      !*!* !  !* * *!*   *   !  *  *

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NTDB id 66397 JCM16456 RS02075 WP 068711932.1  .......................   369
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NTDB id 1203 PSJM300 01605 AFN76401.1          .......................   381
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NTDB id 1307 DR RS10055 WP 010888596.1         PATPAAPAAGRSEPGRAGGFGRR   418
NTDB id 1283 ACE17W RS02630 WP 010947729.1     .......................   344
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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 $\geq$ 50% conserved