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logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1   ................MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGE.ALSVADVTALLHAMMDDARQAEFKQ   64
NTDB id 108167 AACH41 RS09875 WP 194748246.1 MDSSMQTGADHAQTEKFINDLLKLMVTRKASDLFITAGFPPAMKIDGKLTPITSQTLSTQQTAEIARTVMNDKQAQEFKE   80
NTDB id 1203 PSJM300 01605 AFN76401.1         ................MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTE   65
NTDB id 1019 ACIAD RS04205 WP 004922051.1     ................MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIE   65
NTDB id 1307 DR RS10055 WP 010888596.1        ............MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEE   69
NTDB id 1194 PAKAF RS01995 WP 003084552.1     ................MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEE   65
consensus                                      *** **! **     *!!*****!*** *** !**  *     **       **  ******  *! *

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NTDB id 1177 A1552VC RS01165 WP 000422572.1   TREANFAVVRD..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMT   142
NTDB id 108167 AACH41 RS09875 WP 194748246.1 TMECNFAISMPS.VGRFRVNAFVQRSAVGLVIRVINTNIPKFDDLNLPPVLKDVVMAKRGLIIFVGGTGSGKSTSMAAML   159
NTDB id 1203 PSJM300 01605 AFN76401.1         NHECNFAISARG.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMI   144
NTDB id 1019 ACIAD RS04205 WP 004922051.1     THECNFAILNREKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMI   145
NTDB id 1307 DR RS10055 WP 010888596.1        KRELDFSFALGD.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMI   148
NTDB id 1194 PAKAF RS01995 WP 003084552.1     FLETDFSFEVPG.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAML   144
consensus                                       ! *!**      *!!!! !! !*   ! !*! ! * *** *** ** *** **** *!!***  !*!!*!!!!**!*!*

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NTDB id 1177 A1552VC RS01165 WP 000422572.1   GYRNQHRTGHILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLC   222
NTDB id 108167 AACH41 RS09875 WP 194748246.1 GHRNESSYGHIITIEDPVEFVHSHRNCIVTQREVGVDTDNWHAALKNTLRQAPDVIMIGEIRDRETMDYAIAFSETGHLC   239
NTDB id 1203 PSJM300 01605 AFN76401.1         GYRNKNSSGHIISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLC   224
NTDB id 1019 ACIAD RS04205 WP 004922051.1     QHRNQHSKGHIITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLV   225
NTDB id 1307 DR RS10055 WP 010888596.1        DHINTTKKLHILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLV   228
NTDB id 1194 PAKAF RS01995 WP 003084552.1     DYLNNTKYHHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLV   224
consensus                                       *!     *!!***!!!*!!*! ** ****!!!!*!!**** !!***!!**!!*!**!!*! *!*** !* **!!!!!

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NTDB id 1177 A1552VC RS01165 WP 000422572.1   MATLHANNANQALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKA   302
NTDB id 108167 AACH41 RS09875 WP 194748246.1 LATLHANSTNQALDRIINFFPEERRQQLLMDLSLNLRCIASQRLIPKVDGSGRVAAVEVLLHSPLISDLIYKGDVHGIKE   319
NTDB id 1203 PSJM300 01605 AFN76401.1         LATLHANNANQALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKG   304
NTDB id 1019 ACIAD RS04205 WP 004922051.1     FATLHANNANQTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKE   305
NTDB id 1307 DR RS10055 WP 010888596.1        MGTLHTNSAPESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITS   308
NTDB id 1194 PAKAF RS01995 WP 003084552.1     FGTLHTTSAAKTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIK.KIGGGRVAAHEIMIGTPAIRNLIREDKVAQMYS   303
consensus                                     **!!!** *** **!**  ** *   ** **!***!*****!*!**  *! *! ** !*** *! * **!* ***  **

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NTDB id 1177 A1552VC RS01165 WP 000422572.1   TMARSQEVGMQTFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGD.DYGS....GS.LQNV.KIDME.......   368
NTDB id 108167 AACH41 RS09875 WP 194748246.1 VMAKSRELGMQTFDQALFDLFETSQISYEDALRNADSVNDLRLKFKLNSKV.ANPENQERSK.ISDL.DIL.........   387
NTDB id 1203 PSJM300 01605 AFN76401.1         LMKRSTDLGMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSET.DGEHLTSV.S..QGL.TLEMSDDDPGRS   379
NTDB id 1019 ACIAD RS04205 WP 004922051.1     LMARSGELGMQTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEA.NKPLDNRE.R.MSEM.ERKMTFDGQRRN   381
NTDB id 1307 DR RS10055 WP 010888596.1        VMQTGAREGMVTMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGD   388
NTDB id 1194 PAKAF RS01995 WP 003084552.1     AIQTGGSLGMQTLDMCLKGLVAKGLISRENAREKAKIPENF.......................................   344
consensus                                     ** ** **!!*!*!**!* !*    !******  !** *****  *                    *  *
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logo
                                                  FRRGAAAPATPAAPAAGRSEPGRAGGFGRR
NTDB id 1177 A1552VC RS01165 WP 000422572.1       ..............................   368
NTDB id 108167 AACH41 RS09875 WP 194748246.1      ..............................   387
NTDB id 1203 PSJM300 01605 AFN76401.1             FR............................   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1         LK............................   383
NTDB id 1307 DR RS10055 WP 010888596.1            FGRGAAAPATPAAPAAGRSEPGRAGGFGRR   418
NTDB id 1194 PAKAF RS01995 WP 003084552.1         ..............................   344
consensus
```

X non conserved

X similar

X $\geq$ 50% conserved