```
logo
NTDB id 1307 DR RS10055 WP 010888596.1          MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSFALG   80
NTDB id 1177 A1552VC RS01165 WP 000422572.1     ....MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEALS.VADVTALLHAMMDDARQAEFKQTREANFAVVRD   75
NTDB id 1019 ACIAD RS04205 WP 004922051.1       ....MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAILNR   76
NTDB id 1036269 AB9V62 RS19315 WP 206408660.1   ....MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKIMPVTKTAMSPEMTRETVLGVMNEAQRREFAEKHECNFAISAR   76
NTDB id 1203 PSJM300 01605 AFN76401.1           ....MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAISAR   76
consensus                                           ***  *!********!*****!*********!** ** ** ** **** ** ***** ****! * *!**!**  *

logo
NTDB id 1307 DR RS10055 WP 010888596.1          .DKARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHI  159
NTDB id 1177 A1552VC RS01165 WP 000422572.1     ..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHI  153
NTDB id 1019 ACIAD RS04205 WP 004922051.1       EKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSKGHI  156
NTDB id 1036269 AB9V62 RS19315 WP 206408660.1   G.IGRFRVSAFYQRNLVGMVLRRIETNIPTIDDLKLPEILKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNRNSSGHI  155
NTDB id 1203 PSJM300 01605 AFN76401.1           G.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHI  155
consensus                                          *!!!!*!!*!! * !*!*!*!*! ********!!**** *!***!!*****!*!!*!!!!**!*!****!  ***!!

logo
NTDB id 1307 DR RS10055 WP 010888596.1          LTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAPE  239
NTDB id 1177 A1552VC RS01165 WP 000422572.1     LTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANNANQ  233
NTDB id 1019 ACIAD RS04205 WP 004922051.1       ITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANNANQ  236
NTDB id 1036269 AB9V62 RS19315 WP 206408660.1   ISIEDPIEYIHQHQSCIVTQREVGIDTESFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQ  235
NTDB id 1203 PSJM300 01605 AFN76401.1           ISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQ  235
consensus                                       ***!!!!!!*! *  *!**!!!!!*!!*!***!!***!!!!!!*!!*!!*!**!*** !***!!!!!!***!!!*!*!**

logo
NTDB id 1307 DR RS10055 WP 010888596.1          SIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGMV  319
NTDB id 1177 A1552VC RS01165 WP 000422572.1     ALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEVGMQ  313
NTDB id 1019 ACIAD RS04205 WP 004922051.1       TLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGELGMQ  316
NTDB id 1036269 AB9V62 RS19315 WP 206408660.1   ALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLIPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTEQGMQ  315
NTDB id 1203 PSJM300 01605 AFN76401.1           ALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQ  315
consensus                                       ***!!* ********!****!**!!*****!!!*** *!**!****!*!***!*****!!*!*******! **  **!!*

logo
NTDB id 1307 DR RS10055 WP 010888596.1          TMDAYLAGLFRRHLITYDKGLERAIDPKEFARLAND...ASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAP  396
NTDB id 1177 A1552VC RS01165 WP 000422572.1     TFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDYGSGSL.................QNVKIDME........  368
NTDB id 1019 ACIAD RS04205 WP 004922051.1       TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERM...............SEMERKMTFDG.....  377
NTDB id 1036269 AB9V62 RS19315 WP 206408660.1   TFDQALYNLYTQGEITYEDALLYADSANDLRLMIKLGSETDGDH.....L...............TSMAQGLALEVSE...  373
NTDB id 1203 PSJM300 01605 AFN76401.1           TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEH.....L...............TSVSQGLTLEMSD...  373
consensus                                       !*!**!**!*    !*****!  !** *********  * **       *               ***  **  *
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logo
                                                   ATPAAPAAGRSEPGRAGGFGRR
NTDB id 1307 DR RS10055 WP 010888596.1             ATPAAPAAGRSEPGRAGGFGRR   418
NTDB id 1177 A1552VC RS01165 WP 000422572.1        ......................   368
NTDB id 1019 ACIAD RS04205 WP 004922051.1          ............QRRNLK....   383
NTDB id 1036269 AB9V62 RS19315 WP 206408660.1      ..........EDPGRRFR....   381
NTDB id 1203 PSJM300 01605 AFN76401.1              ..........DDPGRSFR....   381
consensus                                                     ****   *
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X non conserved

X similar

X $\geq$ 50% conserved