```
logo
NTDB id 1307 DR RS10055 WP 010888596.1        MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSFALG   80
NTDB id 392037 GA645 RS15540 WP 152223912.1  ....MDIQSMLKILATQDGSDLYLSTGAPPCAKFNGVLKPLSNEPLKSGDVARIGYGLMDEEQRADFERELEMNLAISVQ   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
consensus                                        **** *!****   *!!*****!***  ***!** **   ***  **  ** *** * ** *! *  ! ****

logo
NTDB id 1307 DR RS10055 WP 010888596.1        D.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHI  159
NTDB id 392037 GA645 RS15540 WP 152223912.1  G.VGRFRINLFKQRNEVSIVARNIKLDIPLFEDLKLPEVLLKVVMEKRGLVLFVGGTGSGKSTSLAALIDHRNRNSGGHI  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
consensus                                       *!!!***! !! * **!*!*!** *** ****!!***  *** *!!*****!*!!*!!!!**!*** **!  * *!!

logo
NTDB id 1307 DR RS10055 WP 010888596.1        LTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAPE  239
NTDB id 392037 GA645 RS15540 WP 152223912.1  ITIEDPIEYVHRHRKSIINQREVGVDTRSFHAALKNTLRQAPDVILIGEIRDRETMEHALAFADTGHLAISTLHANNANQ  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
consensus                                    ***!!!!!**! ** *!**!!!!!*!!*!***!!***!!!!!!*!!*!!*!**!*** !***!*!!!! **!!!*!*!**

logo
NTDB id 1307 DR RS10055 WP 010888596.1        SIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGMV  319
NTDB id 392037 GA645 RS15540 WP 152223912.1  ALDRIINFFPEERRPQLLNDLGNNLKAFVSQRLVRTQDGKR.RAAVEVLLGTATISDIIKRGDFSSIKEIMDKSRALGMQ  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
consensus                                    ***!!* *** **  !* **!**!!*****!*!*** *!******!*!*!**** * **!**!**  ** *! ** **!!*

logo
NTDB id 1307 DR RS10055 WP 010888596.1        TMDAYLAGLFRRHLITYDKGLERAIDPKEFARLAN...DASA.........GLGGASMTPAAPPVPAYNSASSSSTGRGG  387
NTDB id 392037 GA645 RS15540 WP 152223912.1  TFDQALFDLAVEGAISEDEAVKNADSANNLRLKLKLYKDNPAMVTNSAAAAAPAPASVAAAAPVTEA............S  382
NTDB id 1177 A1552VC RS01165 WP 000422572.1  TFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSLQNVKI.DME.................  368
NTDB id 1203 PSJM300 01605 AFN76401.1        TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTL.EMSDDDPG...............R  378
NTDB id 1019 ACIAD RS04205 WP 004922051.1    TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMER.KMTFDGQR...............R  380
consensus                                    !*!**!* !**    !****** !** *********  *  *    *    **    **  **
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logo
                                                  SF
                                                  NW GR RL AL PE TP AE  AA  RS E SK RA GQ
                                                  DL GL EA AA EA TE AA PA AG DA P GQ AG GF GR R
NTDB id 1307 DR RS10055 WP 010888596.1            DFGRGAAAPATPAAPAAGRSEPGRAGGFGRR   418
NTDB id 392037 GA645 RS15540 WP 152223912.1       SWGLELALEEIEAE....DAESKQAGQ....   405
NTDB id 1177 A1552VC RS01165 WP 000422572.1       ..............................   368
NTDB id 1203 PSJM300 01605 AFN76401.1             SF..R........................   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1         NL..K........................   383
consensus                                          *
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X non conserved

X similar

X $\geq$50% conserved