```
logo
NTDB id 1307 DR RS10055 WP 010888596.1        MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSFALG   80
NTDB id 214951 BST96 RS05655 WP 085757764.1  ....MEFADYLKILASKDGSDLYLSTGAPPCAKFEGVLKPLEKVAMQPGRIKDIAYELMDKRQQEEFEEELEMNLATSIP   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 214951 BST96 RS05655 WP 085757764.1  S.VGRFRVNIFKQRNEISIVARNIKTEIPNFDDLKLPEILKDVIVRKRGLVLFVGGTGSGKSTSLAALIDHRNSTSSGHI  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 214951 BST96 RS05655 WP 085757764.1  ITIEDPVEFVHRHKKSVVNQREVGVDTRNFSNALKNTLRQAPDVILIGEVRDRDTMEHCLAFAETGHLAISTLHANNANQ  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 214951 BST96 RS05655 WP 085757764.1  ALDRIINFFPEERRAQLLMDLSSNIQAFVSQRLIPTVDGKR.VAAVEILLGTATIKEKILRGELEDIKEIMAKSENLGMQ  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        TMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPATP  399
NTDB id 214951 BST96 RS05655 WP 085757764.1  TFDTALFKLYKEGRITLEEAIKNADSANNLRLKIKL.SDEGGV.............DSSASSATDSGGGFNLSLEEIEED  380
NTDB id 1177 A1552VC RS01165 WP 000422572.1  TFDQALYQLVVDDKISEQDALHSADSANDLRLMLKT.KRGDDY...............GSG..........SLQNVKID  366
NTDB id 1203 PSJM300 01605 AFN76401.1        TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKL.GSETDG.............EHLTSV..........S.QGLTLE  370
NTDB id 1019 ACIAD RS04205 WP 004922051.1    TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKL.SEEANK.............PLDNRE..........RMSEMERK  372
consensus                                    !*!**!* !*     !******  !** ********* * *                 *            **  *  *
```

```
logo

NTDB id 1307 DR RS10055 WP 010888596.1        AAPAAGRSEPGRAGGFGRR   418
NTDB id 214951 BST96 RS05655 WP 085757764.1   ....AEDEVPD..NPFLKK   393
NTDB id 1177 A1552VC RS01165 WP 000422572.1   ....ME............   368
NTDB id 1203 PSJM300 01605 AFN76401.1         ....MSDDDPG..RSFR..   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1     ....MTFDGQR..RNLK..   383
consensus                                         *  * *     *
```

X non conserved

X similar

X ≥ 50% conserved