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logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1     ...........MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEALSVADV.TALLHAMMDDARQAEFKQTREA   68
NTDB id 1002974 ABEF88 RS08635 WP 347454159.1  MFTAELLEEARKFMHHMLTKVVEYGGSDLFITADFPPSIKHQGLMKPFGQQNLTADKTKLFAYALMNEKQRQEYETELEC   80
NTDB id 1203 PSJM300 01605 AFN76401.1           ...........MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHEC   69
NTDB id 1019 ACIAD RS04205 WP 004922051.1       ...........MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHEC   69
consensus                                                   **** *! ***** *!!!*!!*********!******** ******* ************!* ***!*

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1     NFAVVRD..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRN  146
NTDB id 1002974 ABEF88 RS08635 WP 347454159.1  NFAITVPG.VSRFRVNVFQQQLNVGMVIRTITAEIPNFQKLKLPESLKHVIMEKRGLVLVVGGTGSGKSTSLAAMIDYRN  159
NTDB id 1203 PSJM300 01605 AFN76401.1           NFAISARG.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRN  148
NTDB id 1019 ACIAD RS04205 WP 004922051.1       NFAILNREKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRN  149
consensus                                       !!!*  ** **!!!!**!*!****!*!*!*!***!!****!*!!**!* ****!!!*** *!*!!*!!!!**!*!***!!

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1     QHRTGHILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATL  226
NTDB id 1002974 ABEF88 RS08635 WP 347454159.1  ENSAGHIITVEDPVEYVHKHKKSMITHREVGVDSHSWHNALKNTLRQAPDVILIGEIRDTETMEHAIAFAETGHLCLCGTL  239
NTDB id 1203 PSJM300 01605 AFN76401.1           KNSSGHIISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATL  228
NTDB id 1019 ACIAD RS04205 WP 004922051.1       QHSKGHIITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATL  229
consensus                                       ****!!!***!!!*!**!*!*****!*!!!!*!**!***!!!!*!!!!!!*!!!!!*!**!*!**!**!!!!!!!***!!

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1     HANNANQALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMAR  306
NTDB id 1002974 ABEF88 RS08635 WP 347454159.1  HANNANQTLDRIINFFPEERRNQLLMDLSSNMKAIISQRLIRTQDGQGRRAAVEIMLNTPLISDLILKGDFHELKAIMAK  319
NTDB id 1203 PSJM300 01605 AFN76401.1           HANNANQALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKR  308
NTDB id 1019 ACIAD RS04205 WP 004922051.1       HANNANQTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMAR  309
consensus                                       !!!!!!!! !*!!**********!***!!!*!*!*** !*!*** *! *!** *!***!*!** !*!**!*****!**!**

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1     SQEVGMQTFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDYGSGSL.....QNVKIDME.............  368
NTDB id 1002974 ABEF88 RS08635 WP 347454159.1  SRELGMQTFDQALFDLYNEGAISYEEALRNADSTNELRLQIKLKSSRTNPELNNNPTSFSMVEEKKPEDEVDGESKTEEQ  399
NTDB id 1203 PSJM300 01605 AFN76401.1           STDLGMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.Q..GLTLEMSDD...DPGRSFR.  381
NTDB id 1019 ACIAD RS04205 WP 004922051.1       SGELGMQTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMS..EMERKMTFD...GQRRNLK.  383
consensus                                       ! **!!!!!!!!!**!**** !****!!**!!!*!*!!! *!**** * * **    *   ********   *  ** *

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1     ..   368
NTDB id 1002974 ABEF88 RS08635 WP 347454159.1  TS   401
NTDB id 1203 PSJM300 01605 AFN76401.1           ..   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1       ..   383
consensus
```

X non conserved
X similar
X $\geq$50% conserved