```
logo
NTDB id 25201 HCH RS22540 WP 011398767.1      MEFNQYLTVLAKNDGSDLYLSTGAPPCAKFHGKLKPIDKTPLPPGRIMEIANAIMDEEQREQFAHELEMNLAYSIP.QVG   79
NTDB id 1177 A1552VC RS01165 WP 000422572.1   MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEAL.SVADVTALLHAMMDDARQAEFKQTREANFAVVRD..SG   77
NTDB id 1203 PSJM300 01605 AFN76401.1         MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAISARG.IG   79
NTDB id 1019 ACIAD RS04205 WP 004922051.1     MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAILNREKNE   80
consensus                                     !**** ! *******!!!****! *******! **** ****** ** ********* ** *! ***!*!*!** *  **

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NTDB id 25201 HCH RS22540 WP 011398767.1      RFRVNIFKQRNEVSIVARNIVTDIPNADSLGLPPILKEVLMSKRGLILFVGATGSGKSTSLAALIDHRNSNSGGHIITIE   159
NTDB id 1177 A1552VC RS01165 WP 000422572.1   RFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHILTVE   157
NTDB id 1203 PSJM300 01605 AFN76401.1         RFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHIISIE   159
NTDB id 1019 ACIAD RS04205 WP 004922051.1     RFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSKGHIITIE   160
consensus                                     !!!!**!*!!*****!*!*!*!*!!* **!*!!**!******!!!*****!!!!*!!!!**!*****!!****!!!***!

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NTDB id 25201 HCH RS22540 WP 011398767.1      DPVEFIHKHKKSIINQREVGVDTRSYHNALKNTLRQAPDVILIGEIRDRETMEHALAFAETGHLCISTLHANNSNQALDR   239
NTDB id 1177 A1552VC RS01165 WP 000422572.1   DPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANNANQALER   237
NTDB id 1203 PSJM300 01605 AFN76401.1         DPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQALDR   239
NTDB id 1019 ACIAD RS04205 WP 004922051.1     DPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANNANQTLER   240
consensus                                     !!*!!*!*!***!**!!!!!*!!*!***!!!!*!!!!!!*!!!!!*!*!!*!**!**!!!!!!!**!!!!!!*!!*!*!

logo
NTDB id 25201 HCH RS22540 WP 011398767.1      IINFFPEERRNQLLMDLSLNLRAFVSQRLVPTIDGK.RTAAIEILLGTPTVSELILRGDIDGIKEIMQKSENIGMQTFDA   318
NTDB id 1177 A1552VC RS01165 WP 000422572.1   ILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEVGMQTFDQ   317
NTDB id 1203 PSJM300 01605 AFN76401.1         IINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQTFDQ   319
NTDB id 1019 ACIAD RS04205 WP 004922051.1     IIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGELGMQTFDQ   320
consensus                                     !**********!***!!!!!!**** !*!*** *!**!** *!*!***!** **!**!*****!**!**! **!!!!!!*

logo
NTDB id 25201 HCH RS22540 WP 011398767.1      ALFKLVQQEKISVEEALKNADSANNLRLRIKLHAGVEVPASLGDEKVEDSGPEELAAKKPSGGFSLSLQEFEEDNEEGND   398
NTDB id 1177 A1552VC RS01165 WP 000422572.1   ALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSL.QNV.KIDME.......................   368
NTDB id 1203 PSJM300 01605 AFN76401.1         ALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS..QGL.TLEMSDDDPGRSFR...............   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1     ALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERM.SEM.ERKMTFDGQRRNLK...............   383
consensus                                     !!**! ****!****!!**!!!*! !!!**!*     * *    **** ***  **** * * * **

logo
NTDB id 25201 HCH RS22540 WP 011398767.1      PFKPKN   404
NTDB id 1177 A1552VC RS01165 WP 000422572.1   ......   368
NTDB id 1203 PSJM300 01605 AFN76401.1         ......   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1     ......   383
consensus
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X non conserved
X similar
X $\geq$ 50% conserved