```
logo

NTDB id 1475 Cj0275 YP 002343717.1          MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYL    80
NTDB id 342195 ETT50 RS05775 WP 032464958.1 ..MAGSRTNDIKVYCSFCGKSQDDVKKIIAG..NNVFICNECVALSQEIIKEELAEEVL.....ADLTEVPKPKELLDVL    71
NTDB id 379 SMU RS04375 WP 002262816.1      ..MAGNRTNDVTVHCSFCGKNQDEVKKIIAG..NGVFICNECVELSQEIIREELAEEVL.....ADLSEVPKPKELLAIL    71
consensus                                     *** ****** * !!!!** ******!*!*   * *!!!**!!*****!!**!**!***     ********!!!!**!

logo

NTDB id 1475 Cj0275 YP 002343717.1          DRYVIGQDRAKKVFSVGVYNHYKRLFKAEL.QDDDTELFKSNILLVGPTGSGKTLLAQTLAKFLDVPIAICDATSLTEAG   159
NTDB id 342195 ETT50 RS05775 WP 032464958.1 NQYVVGQDRAKRALSVAVYNHYKRVSFTESRDDDDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATSLTEAG   151
NTDB id 379 SMU RS04375 WP 002262816.1      DSYVIGQDRAKRALAVAVYNHYKRISFTESQDDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAG   151
consensus                                   * !!*!!!!!!****!*!!!!!!!*****!* *!*!**!*!!!!!**!!!!!!!!*!!!!!!!*!*!!*!!*!!!*!!!!!

logo

NTDB id 1475 Cj0275 YP 002343717.1          YVGEDVENILTRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHPN   239
NTDB id 342195 ETT50 RS05775 WP 032464958.1 YVGEDVENILLKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPN   231
NTDB id 379 SMU RS04375 WP 002262816.1      YVGEDVENILLKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQ   231
consensus                                   !!!!!!!!!!**!*!!!!**!*!!**!!***!!!!!!***!!*!!!!!!!!!!!!!!!!!!!!!*****!!*!!!!!!*

logo

NTDB id 1475 Cj0275 YP 002343717.1          QEFIQIDTSNILFVCGGAFDGLETILKRKLGDKVVGFFDDAKE..ENKALLEKIEPDDLVHFGLIPELIGRLHVIASLNE   317
NTDB id 342195 ETT50 RS05775 WP 032464958.1 QEMIQIDTKNILFIVGGAFDGIEEIVKQRLGEKVIGFGQNSRKIDDNASYMQEIISEDIQKFGLIPEFIGRLPVVAALEQ   311
NTDB id 379 SMU RS04375 WP 002262816.1      QEMIQIDTKNILFIVGGAFDGIEDIVKQRLGEKIIGFGQNNKKIDDQSSYMQEIISEDIQKFGLIPEFIGRLPVLAALEQ   311
consensus                                   !!*!!!!!*!!!!**!!!!!!*!*!*!**!!*!**!!*** ****** *****!***!***!!!!!!*!!!!*!*!*!**

logo

NTDB id 1475 Cj0275 YP 002343717.1          LNEEDMVRILTEPKNAIIKQYQKLFAIDGVNLKFEEDALRAIAQLALERKTGARGLRSIIEEMMVDLMFELPEYKDYDIV   397
NTDB id 342195 ETT50 RS05775 WP 032464958.1 LKTSDLIRILTEPRNALVKQYQALLSYDGVELAFDKEALEAIANKAIERKTGARGLRSIIEETMLDIMFEIPSQEDVTKV   391
NTDB id 379 SMU RS04375 WP 002262816.1      LTVDDLVKILTEPKNALVKQYQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTCV   391
consensus                                   !  *!***!!!!!*!!**!!!! !***!!!*! !* *!! !!!**!*!!!!!!!!!!!!!!!!*!*!*!!!*!***!** !

logo

NTDB id 1475 Cj0275 YP 002343717.1          I.TKEVVKDNAKALLIKRKIS   417
NTDB id 342195 ETT50 RS05775 WP 032464958.1 RITKAAVEGKSKPVLETA...   409
NTDB id 379 SMU RS04375 WP 002262816.1      RITKKAVEGTDKPILETAS..   410
consensus                                   **!! *!**  !**!***
```

X non conserved

X similar

X ≥ 50% conserved