```
logo

NTDB id 1475 Cj0275 YP 002343717.1          MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYL   80
NTDB id 340950 ETT73 RS03725 WP 136276734.1 ..MAGSRTNDIKVYCSFCGKSQDDVKKIIAG..NNVFICNECVALSQEIIKEELSEEVL.....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 340950 ETT73 RS03725 WP 136276734.1 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 340950 ETT73 RS03725 WP 136276734.1 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 340950 ETT73 RS03725 WP 136276734.1 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 340950 ETT73 RS03725 WP 136276734.1 LNTSDLIQILTEPRNALVKQYQALLSYDGVELAFDKEALEAIANKAIERKTGARGLRSIIEETMLDIMFEIPSQEDVTKV  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 340950 ETT73 RS03725 WP 136276734.1 RITKAAVEGKSKPVLETA...   409
NTDB id 379 SMU RS04375 WP 002262816.1      RITKKAVEGTDKPILETAS..   410
consensus                                   **!! *!**  !**!***
```

X non conserved

X similar

X ≥ 50% conserved