```
logo

NTDB id 1475 Cj0275 YP 002343717.1          MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYL   80
NTDB id 1126120 E0F32 RS07655 WP 000106349.1 ..MSTNRKNDMMVYCSFCGKNQEEVQKIIAG..NNAFICNECVELAQEIIREELVEEVLA.....DLSEVPKPIELLHIL   71
NTDB id 379 SMU RS04375 WP 002262816.1      ..MAGNRTNDVTVHCSFCGKNQDEVKKIIAG..NGVFICNECVELSQEIIREELAEEVLA.....DLSEVPKPKELLAIL   71
consensus                                     * *** *** * !!!!*********!*!*  * *!!!**!!!****!!**!* !****     *******!*!!***!

logo

NTDB id 1475 Cj0275 YP 002343717.1          DRYVIGQDRAKKVFSVGVYNHYKRLFKAELQ..DDDTELFKSNILLVGPTGSGKTLLAQTLAKFLDVPIAICDATSLTEA  158
NTDB id 1126120 E0F32 RS07655 WP 000106349.1 NHYVIGQDRAKRALAVAVYNHYKRINFHDTREESEDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEA  151
NTDB id 379 SMU RS04375 WP 002262816.1      DSYVIGQDRAKRALAVAVYNHYKRISFTESQ.DDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEA  150
consensus                                   * !!!!!!!!!****!*!!!!!!!* * *** ***!**!*!!!!!**!!!!!!!!*!!!!!!!*!*!!*!!*!!!*!!!!

logo

NTDB id 1475 Cj0275 YP 002343717.1          GYVGEDVENILTRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHP  238
NTDB id 1126120 E0F32 RS07655 WP 000106349.1 GYVGEDVENILLKLLQVADFNIERAERGIIYVDEIDKIAKKSENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHP  231
NTDB id 379 SMU RS04375 WP 002262816.1      GYVGEDVENILLKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHP  230
consensus                                   !!!!!!!!!!!!**!*!*!!*****!!**!!***!!!!!!!***!!*!!!!!!!!!!!!!!!!!!!!!!!!!*****!!*!!!!!!

logo

NTDB id 1475 Cj0275 YP 002343714.1          NQEFIQIDTSNILFVCGGAFDGLETILKRKLGDKVVGFFDDAK..EENKALLEKIEPDDLVHFGLIPELIGRLHVIASLN  316
NTDB id 1126120 E0F32 RS07655 WP 000106349.1 QQEMIQVDTKNILFIVGGAFDGIEEIVKQRMGEKVIGFGQNNKAIDENSSYMQEIIAEDIQKFGIIPELIGRLPVFAALE  311
NTDB id 379 SMU RS04375 WP 002262816.1      QQEMIQIDTKNILFIVGGAFDGIEDIVKQRLGEKIIGFGQNNKKIDDQSSYMQEIISEDIQKFGLIPEFIGRLPVLAALE  310
consensus                                   *!!*!!*!!*!!!!**!!!!!!*!*!*!***!*!**!!****! **********!* *!***!!*!!!*!!!!*!*!*!*

logo

NTDB id 1475 Cj0275 YP 002343714.1          ELNEEDMVRILTEPKNAIIKQYQKLFAIDGVNLKFEEDALRAIAQLALERKTGARGLRSIIEEMMVDLMFELPEYKDYDI  396
NTDB id 1126120 E0F32 RS07655 WP 000106349.1 QLTVDDLVRILKEPRNALVKQYQTLLSYDDVELEFDDEALQEIANKAIERKTGARGLRSIIEETMLDVMFEVPSQENVKL  391
NTDB id 379 SMU RS04375 WP 002262816.1      QLTVDDLVKILTEPKNALVKQYQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTC  390
consensus                                   *!***!*!*!!*!!*!!**!!!!*!***!*!*!*!**!!**!!**!*!!!!!!!!!!!!!!!!*!*!*!!!*!***** *

logo

NTDB id 1475 Cj0275 YP 002343714.1          VI.TKEVVKDNAKALLIKRKIS   417
NTDB id 1126120 E0F32 RS07655 WP 000106349.1 VRITKETVDGTDKPILETA...   410
NTDB id 379 SMU RS04375 WP 002262816.1      VRITKKAVEGTDKPILETAS..   410
consensus                                   !**!!* !*****!**!***
```

X non conserved

X similar

X ≥ 50% conserved