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logo

NTDB id 1475 Cj0275 YP 002343717.1          MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYL   80
NTDB id 1139396 DQM69 RS04890 WP 019781461.1 .MADNQTTNDTMVYCSFCGKNQTEVRKIIAG..NGVFICNECVALSQEIIKEELAEEVL.....ADLAEVPKPKELLQIL   72
NTDB id 379 SMU RS04375 WP 002262816.1      ..MAGNRTNDVTVHCSFCGKNQDEVKKIIAG..NGVFICNECVELSQEIIREELAEEVL.....ADLSEVPKPKELLAIL   71
consensus                                        * **** * !!!!**** ****!*!*  ***!!!**!!*****!!**!**!***     *** ****!!!!***!

logo

NTDB id 1475 Cj0275 YP 002343717.1          DRYVIGQDRAKKVFSVGVYNHYKRLFKA.ELQDDDTELFKSNILLVGPTGSGKTLLAQTLAKFLDVPIAICDATSLTEAG   159
NTDB id 1139396 DQM69 RS04890 WP 019781461.1 DDYVIGQVQAKRALAVAVYNHYKRISFVESAQDEDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAG   152
NTDB id 379 SMU RS04375 WP 002262816.1      DSYVIGQDRAKRALAVAVYNHYKRISFTESQDDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAG   151
consensus                                   ! !!!!!**!!****!*!!!!!!!*** ** *!*!**!*!!!!!**!!!!!!!!*!!!!!!!*!*!!*!!*!!!!*!!!!!

logo

NTDB id 1475 Cj0275 YP 002343717.1          YVGEDVENILTRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHPN   239
NTDB id 1139396 DQM69 RS04890 WP 019781461.1 YVGEDVENILLKLIQAADFNIERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIVEGTVASVPPQGGRKHPN   232
NTDB id 379 SMU RS04375 WP 002262816.1      YVGEDVENILLKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQ   231
consensus                                   !!!!!!!!!!**!*!!!!*****!!**!!***!!!!!!!***!!*!!!!!!!!!!!!!!!!!!*!!*****!!*!!!!!!*

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NTDB id 1475 Cj0275 YP 002343717.1          QEFIQIDTSNILFVCGGAFDGLETILKRKLGDKVVGFFDDAKE..ENKALLEKIEPDDLVHFGLIPELIGRLHVIASLNE   317
NTDB id 1139396 DQM69 RS04890 WP 019781461.1 QEMIQIDTKNILFIVGGAFDGIEDIVKQRLGEKVIGFGQSNKSLDDDASYMQQIISEDIQKFGLIPEFIGRLPVLAALEQ   312
NTDB id 379 SMU RS04375 WP 002262816.1      QEMIQIDTKNILFIVGGAFDGIEDIVKQRLGEKIIGFGQNNKKIDDQSSYMQEIISEDIQKFGLIPEFIGRLPVLAALEQ   311
consensus                                   !!*!!!!!*!!!!**!!!!!!*!*!*!**!!*!**!!** *! **** **** !***!***!!!!!!*!!!!*!*!*!**

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NTDB id 1475 Cj0275 YP 002343717.1          LNEEDMVRILTEPKNAIIKQYQKLFAIDGVNLKFEEDALRAIAQLALERKTGARGLRSIIEEMMVDLMFELPEYKDYDIV   397
NTDB id 1139396 DQM69 RS04890 WP 019781461.1 LTVDDLVRILTEPKNALVKQYKTLLSYDGVDLEFDQEALEAIAQKAIERKTGARGLRSIIEETMMDIMFEVPSQEDVTSV   392
NTDB id 379 SMU RS04375 WP 002262816.1      LTVDDLVKILTEPKNALVKQYQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTCV   391
consensus                                   !***!*!*!!!!!!!!!**!!!**!***!!!*!*!***!! !!!!*!*!!!!!!!!!!!!!!!!*!*!*!!!*!***!** !

logo

NTDB id 1475 Cj0275 YP 002343717.1          IT.KEVVKDNAKALLIKRKIS   417
NTDB id 1139396 DQM69 RS04890 WP 019781461.1 EVTKAAVEGTDKPILKTA...   410
NTDB id 379 SMU RS04375 WP 002262816.1      RITKKAVEGTDKPILETAS..   410
consensus                                    **! *!****!**! **
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X non conserved

X similar

X ≥ 50% conserved