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logo

NTDB id 1475 Cj0275 YP 002343717.1          MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYL   80
NTDB id 1140949 DQM62 RS04085 WP 002934974.1 ...MAVKHTHELIYCSFCGKNQEEVKKIIAG..NNVFICNECVELAQEIIREELAEEVLT.....DLADTPKPQELLNIL   70
NTDB id 379 SMU RS04375 WP 002262816.1      ..MAGNRTNDVTVHCSFCGKNQDEVKKIIAG..NGVFICNECVELSQEIIREELAEEVLA.....DLSEVPKPKELLAIL   71
consensus                                      ****    * * !!!!**********!*!*  * *!!!**!!****!!**!**!***       ** * **!*!!***!

logo

NTDB id 1475 Cj0275 YP 002343717.1          DRYVIGQDRAKKVFSVGVYNHYKRLFKAEL.QDDDTELFKSNILLVGPTGSGKTLLAQTLAKFLDVPIAICDATSLTEAG   159
NTDB id 1140949 DQM62 RS04085 WP 002934974.1 NNYVIGQDRAKRALAVAVYNHYKRINFQDSRDENDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAG   150
NTDB id 379 SMU RS04375 WP 002262816.1      DSYVIGQDRAKRALAVAVYNHYKRISFTESQDDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAG   151
consensus                                   * !!!!!!!!!****!*!!!!!!!* * ** ***!**!*!!!!!**!!!!!!!!*!!!!!!!*!*!!*!!*!!!*!!!!!

logo

NTDB id 1475 Cj0275 YP 002343717.1          YVGEDVENILTRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHPN   239
NTDB id 1140949 DQM62 RS04085 WP 002934974.1 YVGEDVENILLKLLQAADFNIDRAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPN   230
NTDB id 379 SMU RS04375 WP 002262816.1      YVGEDVENILLKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQ   231
consensus                                   !!!!!!!!!!**!*!!!!***!!**!!***!!!!!!***!!*!!!!!!!!!!!!!!!!!!!!!!*****!!*!!!!!!*

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NTDB id 1475 Cj0275 YP 002343717.1          QEFIQIDTSNILFVCGGAFDGLETILKRKLGDKVVGFFDDAK..EENKALLEKIEPDDLVHFGLIPELIGRLHVIASLNE   317
NTDB id 1140949 DQM62 RS04085 WP 002934974.1 QEMIHVDTKNILFIVGGAFDGIEEIVKQRLGEKIIGFGHNNRAIDEKESYMQHIIADDIQKFGIIPELIGRLPVFAALDQ   310
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 1140949 DQM62 RS04085 WP 002934974.1 LTTEDLVRILTEPKNALVKQYQTLLSYDDVELDFDEDALLAIAEKAIERKTGARGLRSIIEETMLDVMFEVPGQDNVKRV   390
NTDB id 379 SMU RS04375 WP 002262816.1      LTVDDLVKILTEPKNALVKQYQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTCV   391
consensus                                   !* *!*!*!!!!!!!!!**!!!!*!***!*!*!*!***!! !!!**!*!!!!!!!!!!!!!!!!*!*!*!!!*! ****  !

logo

NTDB id 1475 Cj0275 YP 002343717.1          I.TKEVVKDNAKALLIKRKIS   417
NTDB id 1140949 DQM62 RS04085 WP 002934974.1 RVTKAAVDGKEKPLLETA...   408
NTDB id 379 SMU RS04375 WP 002262816.1      RITKKAVEGTDKPILETAS..   410
consensus                                   **!! *!** *!**!***
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X non conserved

X similar

X ≥50% conserved