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logo

NTDB id 1475 Cj0275 YP 002343717.1          MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYL   80
NTDB id 44400 MGAS15252 RS03475 WP 002984948.1  ..MAGSRTNDIKVYCSFCGKSQDDVKKIIAG..NNVFICNECVALSQEIIKEELAEEVL.....ADLTEVPKPKELLDVL   71
NTDB id 379 SMU RS04475 WP 002262816.1      ..MAGNRTNDVTVHCSFCGKNQDEVKKIIAG..NGVFICNECVELSQEIIREELAEEVL.....ADLSEVPKPKELLAIL   71
consensus                                     *** ***** * !!!!** ******!*!*   * *!!!**!!*****!!**!**!***     ***********!!!!***!

logo

NTDB id 1475 Cj0275 YP 002343717.1          DRYVIGQDRAKKVFSVGVYNHYKRLFKAEL.QDDDTELFKSNILLVGPTGSGKTLLAQTLAKFLDVPIAICDATSLTEAG   159
NTDB id 44400 MGAS15252 RS03475 WP 002984948.1  NQYVVGQDRAKRALSVAVYNHYKRVSFTESRDDDDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATSLTEAG   151
NTDB id 379 SMU RS04475 WP 002262816.1      DSYVIGQDRAKRALAVAVYNHYKRISFTESQDDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAG   151
consensus                                   * !!*!!!!!!****!*!!!!!!!*****!* *!*!**!*!!!!!**!!!!!!!!*!!!!!!!*!*!!*!!*!!!!*!!!!!

logo

NTDB id 1475 Cj0275 YP 002343717.1          YVGEDVENILTRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHPN   239
NTDB id 44400 MGAS15252 RS03475 WP 002984948.1  YVGEDVENILLKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPN   231
NTDB id 379 SMU RS04475 WP 002262816.1      YVGEDVENILLKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQ   231
consensus                                   !!!!!!!!!!**!*!!!!**!*!!**!!***!!!!!!***!!*!!!!!!!!!!!!!!!!!!!!!!*****!!*!!!!!!!*

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NTDB id 1475 Cj0275 YP 002343717.1          QEFIQIDTSNILFVCGGAFDGLETILKRKLGDKVVGFFDDAKE..ENKALLEKIEPDDLVHFGLIPELIGRLHVIASLNE   317
NTDB id 44400 MGAS15252 RS03475 WP 002984948.1  QEMIQIDTKNILFIVGGAFDGIEEIVKQRLGEKVIGFGQNSRKIDDNASYMQEIISEDIQKFGLIPEFIGRLPVVAALEQ   311
NTDB id 379 SMU RS04475 WP 002262816.1      QEMIQIDTKNILFIVGGAFDGIEDIVKQRLGEKIIGFGQNNKKIDDQSSYMQEIISEDIQKFGLIPEFIGRLPVLAALEQ   311
consensus                                   !!*!!!!!*!!!!**!!!!!!*!*!*!**!!*!**!!*** ****** *****!***!***!!!!!!*!!!!*!*!*!**

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NTDB id 1475 Cj0275 YP 002343717.1          LNEEDMVRILTEPKNAIIKQYQKLFAIDGVNLKFEEDALRAIAQLALERKTGARGLRSIIEEMMVDLMFELPEYKDYDIV   397
NTDB id 44400 MGAS15252 RS03475 WP 002984948.1  LNTSDLIQILTEPRNALVKQYQALLSYDGVELAFDKEALEAIANKAIERKTGARGLRSIIEETMLDIMFEIPSQEDVTKV   391
NTDB id 379 SMU RS04475 WP 002262816.1      LTVDDLVKILTEPKNALVKQYQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTCV   391
consensus                                   !* *!***!!!!!*!!**!!!! !***!!!*! !* *!! !!!**!*!!!!!!!!!!!!!!!*!*!*!!!*!***!** !

logo

NTDB id 1475 Cj0275 YP 002343717.1          I.TKEVVKDNAKALLIKRKIS   417
NTDB id 44400 MGAS15252 RS03475 WP 002984948.1  RITKAAVEGKSKPVLETA...   409
NTDB id 379 SMU RS04475 WP 002262816.1      RITKKAVEGTDKPILETAS..   410
consensus                                   **!! *!**  !**!***
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X non conserved

X similar

X ≥50% conserved