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logo

NTDB id 1475 Cj0275 YP 002343717.1          MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYL   80
NTDB id 1139119 DQM54 RS05580 WP 008808666.1 ..MPTNRNEEMMVYCSFCGKNQDEVQKIIAG..NNAFICNECVELAQEIIREELAEEVLA.....DLSEVPKPQELLHIL   71
NTDB id 379 SMU RS04375 WP 002262816.1      ..MAGNRTNDVTVHCSFCGKNQDEVKKIIAG..NGVFICNECVELSQEIIREELAEEVLA.....DLSEVPKPKELLAIL   71
consensus                                     * ***  ** * !!!!********!*!*  * *!!!**!!!****!**!**!****     *******!*!!***!

logo

NTDB id 1475 Cj0275 YP 002343717.1          DRYVIGQDRAKKVFSVGVYNHYKRLFKA.ELQDDDTELFKSNILLVGPTGSGKTLLAQTLAKFLDVPIAICDATSLTEAG  159
NTDB id 1139119 DQM54 RS05580 WP 008808666.1 NHYVIGQERAKRALAVAVYNHYKRINFHDSREEDDVELQKSNILMIGPTGSGKTFLAQTLARSLNVPFAIADATALTEAG  151
NTDB id 379 SMU RS04375 WP 002262816.1      DSYVIGQDRAKRALAVAVYNHYKRISFTESQDDDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAG  151
consensus                                   * !!!!!*!!!****!*!!!!!!!* * ** ***!**!*!!!!!**!!!!!!!!*!!!!!**!*!!*!!*!!!*!!!!!

logo

NTDB id 1475 Cj0275 YP 002343717.1          YVGEDVENILTRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHPN  239
NTDB id 1139119 DQM54 RS05580 WP 008808666.1 YVGEDVENILLKLLQAADFNIERAERGIIYVDEIDKIAKKSENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQ  231
NTDB id 379 SMU RS04375 WP 002262816.1      YVGEDVENILLKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQ  231
consensus                                   !!!!!!!!!!**!*!!!!*****!!**!!***!!!!!!***!!*!!!!!!!!!!!!!!!!!!!!!!*****!!*!!!!!!*

logo

NTDB id 1475 Cj0275 YP 002343717.1          QEFIQIDTSNILFVCGGAFDGLETILKRKLGDKVVGFFDDAK..EENKALLEKIEPDDLVHFGLIPELIGRLHVIASLNE  317
NTDB id 1139119 DQM54 RS05580 WP 008808666.1 QEMIQVDTKNILFIVGGAFDGIEEIVKQRLGEKIIGFGQNNKAIDENESYMQAIIAEDIQKFGIIPELIGRLPVFAALEQ  311
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 1139119 DQM54 RS05580 WP 008808666.1 LTVDDLVRILREPKNALVKQYQALLSYDDVKLEFDDDALQEIANKAIERKTGARGLRSIIEETMMDVMFEVPSKENVKLV  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 1139119 DQM54 RS05580 WP 008808666.1 RITKEAVDGTDKPILETA...   409
NTDB id 379 SMU RS04375 WP 002262816.1      RITKKAVEGTDKPILETAS..   410
consensus                                   **!!**!****!**!***
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X non conserved

X similar

X ≥ 50% conserved