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logo
NTDB id 1475 Cj0275 YP 002343717.1        MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYLDRYVI   85
NTDB id 54192 A20 RS03500 WP 002984948.1  ..MAGSRTNDIKVYCSFCGKSQDDVKKIIAG..NNVFICNECVALSQEIIKEELAEEVL.....ADLTEVPKPKELLDVLNQYVV   76
NTDB id 379 SMU RS04375 WP 002262816.1    ..MAGNRTNDVTVHCSFCGKNQDEVKKIIAG..NGVFICNECVELSQEIIREELAEEVL.....ADLSEVPKPKELLAILDSYVI   76
consensus                                   *** ****** * !!!!** ******!*!*   * *!!!**!!*****!**!**!***     *********!!!!***!* !!*

logo
NTDB id 1475 Cj0275 YP 002343717.1        GQDRAKKVFSVGVYNHYKRLFKAEL.QDDDTELFKSNILLVGPTGSGKTLLAQTLAKFLDVPIAICDATSLTEAGYVGEDVENIL  169
NTDB id 54192 A20 RS03500 WP 002984948.1  GQDRAKRALSVAVYNHYKRVSFTESRDDDDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATSLTEAGYVGEDVENIL  161
NTDB id 379 SMU RS04375 WP 002262816.1    GQDRAKRALAVAVYNHYKRISFTESQDDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAGYVGEDVENIL  161
consensus                                 !!!!!!****!*!!!!!!!*****!* *!*!**!*!!!!!**!!!!!!!!*!!!!!!!*!*!!*!!*!!!*!!!!!!!!!!!!!!!!

logo
NTDB id 1475 Cj0275 YP 002343717.1        TRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHPNQEFIQIDTSNILFVC  254
NTDB id 54192 A20 RS03500 WP 002984948.1  LKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPNQEMIQIDTKNILFIV  246
NTDB id 379 SMU RS04375 WP 002262816.1    LKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQQEMIQIDTKNILFIV  246
consensus                                 **!*!!!!**!*!!**!!***!!!!!!***!!*!!!!!!!!!!!!!!!!!!!!!*****!!*!!!!!!*!!*!!!!!*!!!!**

logo
NTDB id 1475 Cj0275 YP 002343717.1        GGAFDGLETILKRKLGDKVVGFFDDAKE..ENKALLEKIEPDDLVHFGLIPELIGRLHVIASLNELNEEDMVRILTEPKNAIIKQ  337
NTDB id 54192 A20 RS03500 WP 002984948.1  GGAFDGIEEIVKQRLGEKVIGFGQNSRKIDDNASYMQEIISEDIQKFGLIPEFIGRLPVVAALEQLNTSDLIQILTEPRNALVKQ  331
NTDB id 379 SMU RS04375 WP 002262816.1    GGAFDGIEDIVKQRLGEKIIGFGQNNKKIDDQSSYMQEIISEDIQKFGLIPEFIGRLPVLAALEQLTVDDLVKILTEPKNALVKQ  331
consensus                                 !!!!!!*!*!*!**!!*!**!!*** ****** *****!***!***!!!!!!*!!!!*!*!*!**!* *!***!!!!!*!!**!!

logo
NTDB id 1475 Cj0275 YP 002343717.1        YQKLFAIDGVNLKFEEDALRAIAQLALERKTGARGLRSIIEEMMVDLMFELPEYKDYDIVI.TKEVVKDNAKALLIKRKIS  417
NTDB id 54192 A20 RS03500 WP 002984948.1  YQALLSYDGVELAFDKEALEAIANKAIERKTGARGLRSIIEETMLDIMFEIPSQEDVTKVRITKAAVEGKSKPVLETA...  409
NTDB id 379 SMU RS04375 WP 002262816.1    YQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTCVRITKKAVEGTDKPILETAS..  410
consensus                                 !! !***!!!*! !* *!! !!!**!*!!!!!!!!!!!!!!!!*!*!*!!!*!***!** !**!! *!**  !**!***
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X non conserved

X similar

X ≥ 50% conserved