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logo
NTDB id 1475 Cj0275 YP 002343717.1        MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYLDRYVI   85
NTDB id 52746 YYK RS03975 WP 002934974.1  ...MAVKHTHELIYCSFCGKNQEEVKKIIAG..NNVFICNECVELAQEIIREELAEEVLT.....DLADTPKPQELLNILNNYVI   75
NTDB id 379 SMU RS04375 WP 002262816.1    ..MAGNRTNDVTVHCSFCGKNQDEVKKIIAG..NGVFICNECVELSQEIIREELAEEVLA.....DLSEVPKPKELLAILDSYVI   76
consensus                                    ****   * * !!!!*********!*!*   * *!!!**!!****!**!**!***      ** * **!*!!***!* !!!

logo
NTDB id 1475 Cj0275 YP 002343717.1        GQDRAKKVFSVGVYNHYKRLFKAEL.QDDDTELFKSNILLVGPTGSGKTLLAQTLAKFLDVPIAICDATSLTEAGYVGEDVENIL  169
NTDB id 52746 YYK RS03975 WP 002934974.1  GQDRAKRALAVAVYNHYKRINFQDSRDENDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAGYVGEDVENIL  160
NTDB id 379 SMU RS04375 WP 002262816.1    GQDRAKRALAVAVYNHYKRISFTESQDDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAGYVGEDVENIL  161
consensus                                 !!!!!!****!*!!!!!!!* * ** ***!**!*!!!!!**!!!!!!!!*!!!!!!!*!*!!*!!*!!!*!!!!!!!!!!!!!!!!

logo
NTDB id 1475 Cj0275 YP 002343717.1        TRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHPNQEFIQIDTSNILFVC  254
NTDB id 52746 YYK RS03975 WP 002934974.1  LKLLQAADFNIDRAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPNQEMIHVDTKNILFIV  245
NTDB id 379 SMU RS04375 WP 002262816.1    LKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQQEMIQIDTKNILFIV  246
consensus                                 **!*!!!!****!!**!!***!!!!!!***!!*!!!!!!!!!!!!!!!!!!!!!*****!!*!!!!!!*!!*!**!!*!!!!**

logo
NTDB id 1475 Cj0275 YP 002343717.1        GGAFDGLETILKRKLGDKVVGFFDDAK..EENKALLEKIEPDDLVHFGLIPELIGRLHVIASLNELNEEDMVRILTEPKNAIIKQ  337
NTDB id 52746 YYK RS03975 WP 002934974.1  GGAFDGIEEIVKQRLGEKIIGFGHNNRAIDEKESYMQHIIADDIQKFGIIPELIGRLPVFAALDQLTTEDLVRILTEPKNALVKQ  330
NTDB id 379 SMU RS04375 WP 002262816.1    GGAFDGIEDIVKQRLGEKIIGFGQNNKKIDDQSSYMQEIISEDIQKFGLIPEFIGRLPVLAALEQLTVDDLVKILTEPKNALVKQ  331
consensus                                 !!!!!!*!*!*!**!!*!**!!* *** **** **** !* *!***!!*!!!*!!!!*!*!*!**!* *!*!*!!!!!!!!**!!

logo
NTDB id 1475 Cj0275 YP 002343717.1        YQKLFAIDGVNLKFEEDALRAIAQLALERKTGARGLRSIIEEMMVDLMFELPEYKDYDIVI.TKEVVKDNAKALLIKRKIS  417
NTDB id 52746 YYK RS03975 WP 002934974.1  YQTLLSYDDVELDFDEDALLAIAEKAIERKTGARGLRSIIEETMLDVMFEVPGQDNVKRVRVTKAAVDGKEKPLLETA...  408
NTDB id 379 SMU RS04375 WP 002262816.1    YQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTCVRITKKAVEGTDKPILETAS..  410
consensus                                 !!*!***!*!*!*!***!! !!!**!*!!!!!!!!!!!!!!!!*!*!*!!!*! ****  !**!! *!** *!**!***
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X non conserved

X similar

X ≥50% conserved