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logo

NTDB id 1475 Cj0275 YP 002343717.1          MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYLDRYVI   85
NTDB id 33391 SPT RS07505 WP 001839487.1    ..MPTIRNNDMMVYCSFCGKSQEEVQKIIAG..NNAFICNECVELAQEIIREELVEEVLA.....DLSEVPKPIELLHILNHYVI   76
NTDB id 379 SMU RS04375 WP 002262816.1      ..MAGNRTNDVTVHCSFCGKNQDEVKKIIAG..NGVFICNECVELSQEIIREELAEEVLA.....DLSEVPKPKELLAILDSYVI   76
consensus                                     * * * *** * !!!!** *****!*!*   * *!!!**!!!****!!**!* !****     *******!*!!***!* !!!

logo

NTDB id 1475 Cj0275 YP 002343717.1          GQDRAKKVFSVGVYNHYKRLFKAELQ..DDDTELFKSNILLVGPTGSGKTLLAQTLAKFLDVPIAICDATSLTEAGYVGEDVENI   168
NTDB id 33391 SPT RS07505 WP 001839487.1    GQDRAKRALAVAVYNHYKRINFHDTREESEDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAGYVGEDVENI   161
NTDB id 379 SMU RS04375 WP 002262816.1      GQDRAKRALAVAVYNHYKRISFTESQ.DDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAGYVGEDVENI   160
consensus                                   !!!!!!****!*!!!!!!!* * *** ***!**!*!!!!!**!!!!!!!*!!!!!!!*!*!!*!!*!!!*!!!!!!!!!!!!!!!

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NTDB id 1475 Cj0275 YP 002343717.1          LTRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHPNQEFIQIDTSNILFV   253
NTDB id 33391 SPT RS07505 WP 001839487.1    LLKLLQAADFNIERAERGIIYVDEIDKIAKKSENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQQEMIQVDTKNILFI   246
NTDB id 379 SMU RS04375 WP 002262816.1      LLKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQQEMIQIDTKNILFI   245
consensus                                   !**!*!!!!*****!**!!***!!!!!!!***!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

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NTDB id 1475 Cj0275 YP 002343717.1          CGGAFDGLETILKRKLGDKVVGFFDDAK..EENKALLEKIEPDDLVHFGLIPELIGRLHVIASLNELNEEDMVRILTEPKNAIIK   336
NTDB id 33391 SPT RS07505 WP 001839487.1    VGGAFDGIEEIVKQRLGEKVIGFGQNNKAIDENSSYMQEIIAEDIQKFGIIPELIGRLPVFAALEQLTVDDLVRILKEPRNALVK   331
NTDB id 379 SMU RS04375 WP 002262816.1      VGGAFDGIEDIVKQRLGEKIIGFGQNNKKIDDQSSYMQEIISEDIQKFGLIPEFIGRLPVLAALEQLTVDDLVKILTEPKNALVK   330
consensus                                   *!!!!!!*!*!*!**!!*!**!!****!  **********!* *!***!!*!!!*!!!!*!*!*!**!***!*!*!!*!!*!!**!

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NTDB id 1475 Cj0275 YP 002343717.1          QYQKLFAIDGVNLKFEEDALRAIAQLALERKTGARGLRSIIEEMMVDLMFELPEYKDYDIVI.TKEVVKDNAKALLIKRKIS   417
NTDB id 33391 SPT RS07505 WP 001839487.1    QYQTLLSYDDVELEFDDEALQEIANKAIERKTGARGLRSIIEETMLDVMFEVPSQENVKLVRITKEAVDGTDKPILETA...   410
NTDB id 379 SMU RS04375 WP 002262816.1      QYQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTCVRITKKAVEGTDKPILETAS..   410
consensus                                   !!!*!***!*!*!*!**!!**!!**!*!!!!!!!!!!!!!!!!*!*!*!!!!*!***** *!**!!**!****!**!***
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X non conserved

X similar

X ≥ 50% conserved