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logo
NTDB id 1475 Cj0275 YP 002343717.1          MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYLDRYVI   85
NTDB id 97959 R8566 RS07985 WP 050268913.1  ..MPTNRKNDMMVYCSFCGKNQEEVQKIIAG..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 97959 R8566 RS07985 WP 050268913.1  GQDRAKRALAVAVYNHYKRINFHDTREESEDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAGYVGEDVENI  161
NTDB id 379 SMU RS04375 WP 002262816.1      GQDRAKRALAVAVYNHYKRISFTESQ.DDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAGYVGEDVENI  160
consensus                                   !!!!!!****!*!!!!!!!* * *** ***!**!*!!!!!**!!!!!!!*!!!!!!!*!*!!*!!*!!!*!!!!!!!!!!!!!!!

logo
NTDB id 1475 Cj0275 YP 002343717.1          LTRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHPNQEFIQIDTSNILFV  253
NTDB id 97959 R8566 RS07985 WP 050268913.1  LLKLLQVADFNIERAERGIIYVDEIDKIAKKSENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQQEMIQVDTKNILFI  246
NTDB id 379 SMU RS04375 WP 002262816.1      LLKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQQEMIQIDTKNILFI  245
consensus                                   !**!*!*!!*****!**!!***!!!!!!***!!*!!!!!!!!!!!!!!!!!!!!!!*****!*!!!!!!*!!*!!*!!*!!!!*

logo
NTDB id 1475 Cj0275 YP 002343717.1          CGGAFDGLETILKRKLGDKVVGFFDDAK..EENKALLEKIEPDDLVHFGLIPELIGRLHVIASLNELNEEDMVRILTEPKNAIIK  336
NTDB id 97959 R8566 RS07985 WP 050268913.1  VGGAFDGIEEIVKQRLGEKVIGFGQNNKAIDENSSYMQEIIAEDIQKFGIIPELIGRLPVFAALEQLTVDDLVRILKEPRNALVK  331
NTDB id 379 SMU RS04375 WP 002262816.1      VGGAFDGIEDIVKQRLGEKIIGFGQNNKKIDDQSSYMQEIISEDIQKFGLIPEFIGRLPVLAALEQLTVDDLVKILTEPKNALVK  330
consensus                                   *!!!!!!*!*!*!**!!*!**!!****! **********!* *!***!!*!!!*!!!!*!*!*!**!***!*!*!!*!!*!!**!

logo
NTDB id 1475 Cj0275 YP 002343717.1          QYQKLFAIDGVNLKFEEDALRAIAQLALERKTGARGLRSIIEEMMVDLMFELPEYKDYDIVI.TKEVVKDNAKALLIKRKIS  417
NTDB id 97959 R8566 RS07985 WP 050268913.1  QYQTLLSYDDVELEFDDEALQEIANKAIERKTGARGLRSIIEETMLDVMFEVPSQENVKLVRITKETVDGTDKPILETA...  410
NTDB id 379 SMU RS04375 WP 002262816.1      QYQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTCVRITKKAVEGTDKPILETAS..  410
consensus                                   !!!*!***!*!*!*!**!!**!!**!*!!!!!!!!!!!!!!!!*!*!*!!!!*!***** *!**!!* !*****!**!***
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X non conserved

X similar

X $\geq$ 50% conserved