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logo
NTDB id 1475 Cj0275 YP 002343717.1          MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYLDRYVI   85
NTDB id 62911 N597 RS04340 WP 023023314.1   ..MPTNQSNDMMVYCSFCGKNQDEVQKIIAG..NNAFICNECVELAQEIIREELAEEVLA.....DLSEVPKPIELLNILNHYVI   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 62911 N597 RS04340 WP 023023314.1   GQDRAKRALAVAVYNHYKRINFHENREDDNDVDLQKSNILMVGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAGYVGEDVENI  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 62911 N597 RS04340 WP 023023314.1   LLKLLQAADFNIERAERGIIYVDEIDKIAKKSENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQQEMIQVDTKNILFI  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 62911 N597 RS04340 WP 023023314.1   VGGAFDGIEEIVKQRLGEKIIGFGQNNKAIDESSSYMQEIIAEDIQKFGIIPELIGRLPVLAALEQLTVDDLVRILKEPRNALVK  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 62911 N597 RS04340 WP 023023314.1   QYQALLSFDDVELEFDDEALEEIASKAIERKTGARGLRSIIEETMLDVMFEVPSQEDVKMVRITKEAVNGTEKPILETA...  410
NTDB id 379 SMU RS04375 WP 002262816.1      QYQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTCVRITKKAVEGTDKPILETAS..  410
consensus                                   !!!  !***!*!*!*!***!!  *!!**!*!!!!!!!!!!!!!!!!*!*!*!!!*!***!*  *!**!!**!  ***!**!***
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X non conserved

X similar

X ≥ 50% conserved