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logo
NTDB id 1475 Cj0275 YP 002343717.1        MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYLDRYVI   85
NTDB id 23961 STR RS02965 WP 002950151.1  ..MAGNR.NEEMVYCSFCGKNQEEVKKIIAG..NGVFICNECVALSQEIIREETAEEVL.....ADLAETPKPKELLDILNNYVV   75
NTDB id 379 SMU RS04375 WP 002262816.1    ..MAGNRTNDVTVHCSFCGKNQDEVKKIIAG..NGVFICNECVELSQEIIREELAEEVL.....ADLSEVPKPKELLAILDSYVI   76
consensus                                   ***** *** * !!!!*****+****!*!*  ***!!!**!!*****!**!  *!***     *** * **!!!!***!* !!*

logo
NTDB id 1475 Cj0275 YP 002343717.1        GQDRAKKVFSVGVYNHYKRLFKAE.LQDDDTELFKSNILLVGPTGSGKTLLAQTLAKFLDVPIAICDATSLTEAGYVGEDVENIL   169
NTDB id 23961 STR RS02965 WP 002950151.1  GQDRVKRALAVAVYNHYKRINFTESREDNDVDLQKSNILMIGPTGSGKTYLAQTLARSLNVPFAIADATSLTEAGYVGEDVENIL   160
NTDB id 379 SMU RS04375 WP 002262816.1    GQDRAKRALAVAVYNHYKRISFTESQDDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAGYVGEDVENIL   161
consensus                                 !!!!*!****!*!!!!!!!* **!* *!*!**!*!!!!!**!!!!!!!!*!!!!!!**!*!!*!!*!!!*!!!!!!!!!!!!!!!!

logo
NTDB id 1475 Cj0275 YP 002343717.1        TRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHPNQEFIQIDTSNILFVC   254
NTDB id 23961 STR RS02965 WP 002950151.1  LKLIQAADFNIERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPNQEMIQIDTKNILFIV   245
NTDB id 379 SMU RS04375 WP 002262816.1    LKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQQEMIQIDTKNILFIV   246
consensus                                 **!*!!!!*****!!**!!***!!!!!!!***!!*!!!!!!!!!!!!!!!!!!!!!!*****!!*!!!!!!*!!*!!!!!*!!!!**

logo
NTDB id 1475 Cj0275 YP 002343717.1        GGAFDGLETILKRKLGDKVVGFFDDAKE..ENKALLEKIEPDDLVHFGLIPELIGRLHVIASLNELNEEDMVRILTEPKNAIIKQ   337
NTDB id 23961 STR RS02965 WP 002950151.1  GGAFDGIEDIVKQRLGEKIIGFGQNNKAIDDESSYMKEIVAEDIQKFGLIPEFIGRLPVLATLEQLTVDDLVRILTEPRNALVKQ   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 23961 STR RS02965 WP 002950151.1  YQTLLSYDGVELEFDQDALEAIASKAIERKTGARGLRSIIEEVMMDVMFEIPSLEDVTKVRITKEAVDGKAAPVLETA...   408
NTDB id 379 SMU RS04375 WP 002262816.1    YQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTCVRITKKAVEGTDKPILETAS..   410
consensus                                 !!*!***!!!*!*!***!! !!!**!*!!!!!!!!!!!!!!!!*!*!*!!!*!* *!** !**!!**!** ****!***
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X non conserved

X similar

X ≥ 50% conserved