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logo

NTDB id 1475 Cj0275 YP 002343717.1          MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYL   80
NTDB id 160698 HSISS4 RS02725 WP 002890340.1 ..MAGNR.NEEMVYCSFCGKNQEEVKKIIA..GNGVFICNECVALSQEIIREEMAEEVL.....ADLAETPKPKELLDIL   70
NTDB id 379 SMU RS04375 WP 002262816.1      ..MAGNRTNDVTVHCSFCGKNQDEVKKIIA..GNGVFICNECVELSQEIIREELAEEVL.....ADLSEVPKPKELLAIL   71
consensus                                     ***** *** * !!!!*****!*!*  ****!!!**!!*****!!**!**!***     *** * **!!!!***!

logo

NTDB id 1475 Cj0275 YP 002343717.1          DRYVIGQDRAKKVFSVGVYNHYKRLFKAE.LQDDDTELFKSNILLVGPTGSGKTLLAQTLAKFLDVPIAICDATSLTEAG   159
NTDB id 160698 HSISS4 RS02725 WP 002890340.1 NNYVVGQDRAKRALAVAVYNHYKRINFTESREDNDVDLQKSNILMIGPTGSGKTFLAQTLARSLNVPFAIADATSLTEAG   150
NTDB id 379 SMU RS04375 WP 002262816.1      DSYVIGQDRAKRALAVAVYNHYKRISFTESQDDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAG   151
consensus                                   * !!*!!!!!!****!*!!!!!!!* **!* *!*!**!*!!!!!**!!!!!!!!*!!!!!!**!*!!*!!*!!!!*!!!!!

logo

NTDB id 1475 Cj0275 YP 002343717.1          YVGEDVENILTRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHPN   239
NTDB id 160698 HSISS4 RS02725 WP 002890340.1 YVGEDVENILLKLIQAADFNIERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPN   230
NTDB id 379 SMU RS04375 WP 002262816.1      YVGEDVENILLKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQ   231
consensus                                   !!!!!!!!!!**!*!!!!*****!!**!!***!!!!!!***!!*!!!!!!!!!!!!!!!!!!!!!!*****!!*!!!!!!*

logo

NTDB id 1475 Cj0275 YP 002343717.1          QEFIQIDTSNILFVCGGAFDGLETILKRKLGDKVVGFFDDAK..EENKALLEKIEPDDLVHFGLIPELIGRLHVIASLNE   317
NTDB id 160698 HSISS4 RS02725 WP 002890340.1 QEMIQIDTKNILFIVGGAFDGIEDIVKQRLGEKIIGFGQNNKAIDDDSSYMQEIVAEDIQKFGLIPEFIGRLPVLAALEQ   310
NTDB id 379 SMU RS04375 WP 002262816.1      QEMIQIDTKNILFIVGGAFDGIEDIVKQRLGEKIIGFGQNNKKIDDQSSYMQEIISEDIQKFGLIPEFIGRLPVLAALEQ   311
consensus                                   !!*!!!!!*!!!!**!!!!!!*!*!*!**!!*!**!!****! ***********!* *!***!!!!!!*!!!!*!*!*!**

logo

NTDB id 1475 Cj0275 YP 002343717.1          LNEEDMVRILTEPKNAIIKQYQKLFAIDGVNLKFEEDALRAIAQLALERKTGARGLRSIIEEMMVDLMFELPEYKDYDIV   397
NTDB id 160698 HSISS4 RS02725 WP 002890340.1 LTVDDLVRILTEPRNALVKQYQTLLSYDGVELEFDQDALEAIASKAIERKTGARGLRSIIEEVMMDVMFEIPSQEDVTKV   390
NTDB id 379 SMU RS04375 WP 002262816.1      LTVDDLVKILTEPKNALVKQYQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTCV   391
consensus                                   !***!*!*!!!!!*!!**!!!!*!***!!!*!*!***!! !!!**!*!!!!!!!!!!!!!!!!*!*!*!!!*!***!** !

logo

NTDB id 1475 Cj0275 YP 002343717.1          I.TKEVVKDNAKALLIKRKIS   417
NTDB id 160698 HSISS4 RS02725 WP 002890340.1 RITKEAVDGTAAPVLETA...   408
NTDB id 379 SMU RS04375 WP 002262816.1      RITKKAVEGTDKPILETAS..   410
consensus                                   **!!**!******!***
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X non conserved

X similar

X ≥ 50% conserved