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logo
NTDB id 1475 Cj0275 YP 002343717.1          MEFLSIGVKIMPRKCSFCNEVENPQRRILANENDDAFICEYCVEGAYSIIYGEEKEFKEPKQSHNTEFKDITPKELKAYLDRYVI   85
NTDB id 22187 SPYM3 RS03350 WP 002984948.1  ..MAGSRTNDIKVYCSFCGKSQDDVKKIIAG..NNVFICNECVALSQEIIKEELAEEVL.....ADLTEVPKPKELLDVLNQYVV   76
NTDB id 379 SMU RS04375 WP 002262816.1      ..MAGNRTNDVTVHCSFCGKNQDEVKKIIAG..NGVFICNECVELSQEIIREELAEEVL.....ADLSEVPKPKELLAILDSYVI   76
consensus                                     *** ****** * !!!!** ******!*!*  * *!!!**!!*****!!**!**!***     *********!!!!***!* !!*

logo
NTDB id 1475 Cj0275 YP 002343717.1          GQDRAKKVFSVGVYNHYKRLFKAEL.QDDDTELFKSNILLVGPTGSGKTLLAQTLAKFLDVPIAICDATSLTEAGYVGEDVENIL  169
NTDB id 22187 SPYM3 RS03350 WP 002984948.1  GQDRAKRALSVAVYNHYKRVSFTESRDDDDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATSLTEAGYVGEDVENIL  161
NTDB id 379 SMU RS04375 WP 002262816.1      GQDRAKRALAVAVYNHYKRISFTESQDDQDVDLQKSNILMIGPTGSGKTFLAQTLAKSLNVPFAIADATALTEAGYVGEDVENIL  161
consensus                                   !!!!!!****!*!!!!!!!*****!* *!*!**!*!!!!!**!!!!!!!*!!!!!!!*!*!!*!!*!!!*!!!!!!!!!!!!!!!!

logo
NTDB id 1475 Cj0275 YP 002343717.1          TRLLQAADGDVQRAQKGIVFIDEIDKIARMSENRSITRDVSGEGVQQALLKIIEGSLVNIPPRGGRKHPNQEFIQIDTSNILFVC  254
NTDB id 22187 SPYM3 RS03350 WP 002984948.1  LKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPNQEMIQIDTKNILFIV  246
NTDB id 379 SMU RS04375 WP 002262816.1      LKLIQAADYNVERAERGIIYVDEIDKIAKKGENVSITRDVSGEGVQQALLKIIEGTVASVPPQGGRKHPQQEMIQIDTKNILFIV  246
consensus                                   **!*!!!!**!*!!**!!***!!!!!!***!!*!!!!!!!!!!!!!!!!!!!!!!*****!!*!!!!!!*!!*!!!!!*!!!!**

logo
NTDB id 1475 Cj0275 YP 002343717.1          GGAFDGLETILKRKLGDKVVGFFDDAKE..ENKALLEKIEPDDLVHFGLIPELIGRLHVIASLNELNEEDMVRILTEPKNAIIKQ  337
NTDB id 22187 SPYM3 RS03350 WP 002984948.1  GGAFDGIEEIVKQRLGEKVIGFGQNSRKIDDNASYMQEIISEDIQKFGLIPEFIGRLPVVAALEQLNTSDLIQILTEPRNALVKQ  331
NTDB id 379 SMU RS04375 WP 002262816.1      GGAFDGIEDIVKQRLGEKIIGFGQNNKKIDDQSSYMQEIISEDIQKFGLIPEFIGRLPVLAALEQLTVDDLVKILTEPKNALVKQ  331
consensus                                   !!!!!!*!*!*!**!!*!**!!*** ****** *****!***!***!!!!!!*!!!!*!*!*!**!* *!***!!!!!*!!**!!

logo
NTDB id 1475 Cj0275 YP 002343717.1          YQKLFAIDGVNLKFEEDALRAIAQLALERKTGARGLRSIIEEMMVDLMFELPEYKDYDIVI.TKEVVKDNAKALLIKRKIS  417
NTDB id 22187 SPYM3 RS03350 WP 002984948.1  YQALLSYDGVELAFDKEALEAIANKAIERKTGARGLRSIIEETMLDIMFEIPSQEDVTKVRITKAAVEGKSKPVLETA...  409
NTDB id 379 SMU RS04375 WP 002262816.1      YQTLLSYDGVELEFDQEALQAIAQKAIERKTGARGLRSIIEETMLDLMFEIPSQEDVTCVRITKKAVEGTDKPILETAS..  410
consensus                                   !! !***!!!*! !* *!! !!!**!*!!!!!!!!!!!!!!!!*!*!*!!!*!***!** !**!! *!**  !**!***
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X non conserved

X similar

X ≥ 50% conserved