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logo
NTDB id 1099471 ACM67E RS09900 WP 416191280.1  MKTKRMTRLFAGLSI.AMAVQTAFAGNITDINVSTLPDNQKIIKIRFDKDITSPTGFVTSTPARIALDFANTNIQLPQPV   79
NTDB id 1115 OK783 RS00485 WP 003698035.1      .MNTKLTKIISGLFVATAAFQTASAGNITDIKVSSLPNKQKIVKVSFDKEIVNPTGFVTSSPARIALDFEQTGISMDQQV   79
NTDB id 1092 CAD91899.1 1..2286( )             .MNTKLTKIISGLFVATAAFQTASAGNITDIKVSSLPNKQKIVKVSFDKEIVNPTGFVTSSPARIALDFEQTGISMDQQV   79
NTDB id 1100 NMB RS09455 WP 002225652.1        .MNTKLTKIISGLFVATAAFQTASAGNITDIKVSSLPNKQKIVKVSFDKEIVNPTGFVTSSPARIALDFEQTGISMDQQV   79
consensus                                       *****!****!!*****!*!!!*!!!!!!!*!!*!!**!!!*!**!!!*!**!!!!!!*!!!!!!!!!**!*!***!*!

logo
NTDB id 1099471 ACM67E RS09900 WP 416191280.1  LEYSDPLLNQITAAQNNDRARILLGLNKAGQYNTEIRGDEVWVYVSESADQNVAAPAATYSASA................  143
NTDB id 1115 OK783 RS00485 WP 003698035.1      LEYADPLLSKISAAQNSSRARLVLNLNKPGQYNTEVRGNKVWIFINESDDTVSA.PARPAVKAAPAAPAKQQA.......  151
NTDB id 1092 CAD91899.1 1..2286( )             LEYADPLLSKISAAQNSSRARLVLNLNKPGQYNTEVRGNKVWIFINESDDTVSA.PARPAVKAAPAAPAKQQAAAPSTKS  158
NTDB id 1100 NMB RS09455 WP 002225652.1        LEYADPLLSKISAAQNSSRARLVLNLNKPGQYNTEVRGNKVWIFINESDDTVSA.PARPAVKAAPAAPAKQQAAAPSTKS  158
consensus                                       !!!*!!!!**!*!!!!**!!!**!*!!!*!!!!!!*!!**!!****!!*!***!  !!******!****************

logo
NTDB id 1099471 ACM67E RS09900 WP 416191280.1  ........................................PAAAPRATQAGQVATSANIDFRKGSRNSG  172
NTDB id 1115 OK783 RS00485 WP 003698035.1      ................AAPFTESVVSVSAPFSPAKQQA.......................AASAKQTNIDFRKDGKNAG  192
NTDB id 1092 CAD91899.1 1..2286( )             AVSVSEPFTPAKQQAAAPFTESVVSVSAPFSPAKQQAAASAKQQTA........APAKQQAAAPAKQTNIDFRKDGKNAG  230
NTDB id 1100 NMB RS09455 WP 002225652.1        AVSVSEPFTPAKQQAAAPFTESVVSVSAPFSPAKQQAAASAKQQAAAPAKQQAAAPAKQQAAAPAKQTNIDFRKDGKNAG  238
consensus                                      ********************************************  *       ************!***!!!!!!***!*!

logo
NTDB id 1099471 ACM67E RS09900 WP 416191280.1  IVELSAPTFSGSPEVKQERDRMVITLKNHPLPTQAQRNLDVGDFNTPVQNVTLKRIGNATQLIIRTKGNWDVSSKSA.AG  251
NTDB id 1115 OK783 RS00485 WP 003698035.1      IIELAALGFAGQPDISQQHDHIIVTLKNHTLPTALQRSLDVADFKTPVQKVTLKRLNNDTQLIITTTGNWELVNKSAAPG  272
NTDB id 1092 CAD91899.1 1..2286( )             IIELAALGFAGQPDISQQHDHIIVTLKNHTLPTTLQRSLDVADFKTPVQKVTLKRLNNDTQLIITTAGNWELVNKSAAPG  310
NTDB id 1100 NMB RS09455 WP 002225652.1        IIELAALGFAGQPDISQQHDHIIVTLKNHTLPTTLQRSLDVADFKTPVQKVTLKRLNNDTQLIITTAGNWELVNKSAAPG  318
consensus                                      !*!!*!**!*!*!***!**!****!!!!!*!!!**!!*!!!*!!*!!!!!*!!!!!!**!*!!!!!*!*!!!****!!!**!

logo
NTDB id 1099471 ACM67E RS09900 WP 416191280.1  RHTFEIVPKTAAIESRGLKNNANKSFNGRKISLDFQDVEVRTILQILSKESGVNIVASDTVNGKMTLSLKDVPWDQALDL  331
NTDB id 1115 OK783 RS00485 WP 003698035.1      YFTFQVLPKKQNLESGGV.NNAPKTFTGRKISLDFQDVEIRTILQILAKESGMNIVASDSVSGKMTLSLKDVPWDQALDL  351
NTDB id 1092 CAD91899.1 1..2286( )             YFTFQVLPKKQNLESGGV.NNAPKTFTGRKISLDFQDVEIRTILQILAKESGMNIVASDSVNGKMTLSLKDVPWDQALDL  389
NTDB id 1100 NMB RS09455 WP 002225652.1        YFTFQVLPKKQNLESGGV.NNAPKTFTGRKISLDFQDVEIRTILQILAKESGMNIVASDSVNGKMTLSLKDVPWDQALDL  397
consensus                                      **!!***!!****!!*!*  !!!*!*!*!!!!!!!!!!!!!*!!!!!!!*!!!!*!!!!!!*!*!!!!!!!!!!!!!!!!!!

logo
NTDB id 1099471 ACM67E RS09900 WP 416191280.1  VMQARNLDMRQQGNIINIAPRDELLAKDKAFLQAEKEIAELGPLLSQTFQLKYKNVEEFRKILRIDENGGSSGSNNRNTL  411
NTDB id 1115 OK783 RS00485 WP 003698035.1      VMQARNLDMRQQGNIVNIAPRDELLAKDKAFLQAEKDIADLGALYSQNFQLKYKNVEEFRSILRLDNAD...TTGNRNTL  428
NTDB id 1092 CAD91899.1 1..2286( )             VMQARNLDMRQQGNIVNIAPRDELLAKDKAFLQAEKDIADLGALYSQNFQLKYKNVEEFRSILALDNAD...TTGNRNTL  466
NTDB id 1100 NMB RS09455 WP 002225652.1        VMQARNLDMRQQGNIVNIAPRDELLAKDKALLQAEKDIADLGALYSQNFQLKYKNVEEFRSILRLDNAD...TTGNRNTL  474
consensus                                      !!!!!!!!!!*!!!!*!!!!!!!!!!!!!!!*!!!!!*!!*!!*!*!!*!!!!!!!!!!!!!*!!**!***   ***!!!!!
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logo

NTDB id 1099471 ACM67E RS09900 WP 416191280.1  LSDRGSALIDPATNTLIITDNRTVIEKFRKLIEELDVATRQVMVEARIVEADEGFSRDLGVKFGYNGVRGRN......TW   485
NTDB id 1115 OK783 RS00485 WP 003698035.1      VSGRGSVLIDPATNTLIVTDTRSVIEKFRKLIDELDVPAQQVMIEARIVEAADGFSRDLGVKFGATGRKKLKNETSAFGW   508
NTDB id 1092 CAD91899.1 1..2286( )             VSGRGSVLIDPATNTLIVTDTRSVIEKFRKLIDELDVPAQQVMIEARIVEAADGFSRDLGVKFGATGKKKLKNDTSAFGW   546
NTDB id 1100 NMB RS09455 WP 002225652.1        ISGRGSVLIDPATNTLIVTDTRSVIEKFRKLIDELDVPAQQVMIEARIVEAADGFSRDLGVKFGATGKKKLKNDTSAFGW   554
consensus                                      *!*!!!*!!!!!!!!!!*!!*!*!!!!!!!!!*!!!!***!!!*!!!!!!!**!!!!!!!!!!!!!**!************!

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NTDB id 1099471 ACM67E RS09900 WP 416191280.1  GSNLSNALKNNSTNYDNNVTRANAILSGSATIPTLNALEFSPNISLPTTNAAATSIALVRSVASGALGLELSAAEGQNKS   565
NTDB id 1115 OK783 RS00485 WP 003698035.1      GVNSGFG.....................GG......DKWEAQTKINLPV.AAAANSISLVRAISSGALNLELSASESLSKT   561
NTDB id 1092 CAD91899.1 1..2286( )             GVNSGFG.....................GD......DKWGAETKINLPI.TAAANSISLVRAISSGALNLELSASESLSKP   599
NTDB id 1100 NMB RS09455 WP 002225652.1        GVNSGFG.....................GD......DKWGAETKINLPI.TAAANSISLVRAISSGALNLELSASESLSKT   607
consensus                                      !*!****                     !*      *** ****!*!!* *!!!*!!*!!!***!!!!*!!!!!*!***!*

logo

NTDB id 1099471 ACM67E RS09900 WP 416191280.1  KTISNPRVLTQDRKEATIEAGTEIPYQEASSSG...ATSVSFKKAVLGLTVTPNITPDGQIIMTVKINKDTPQPCTVDSL   642
NTDB id 1115 OK783 RS00485 WP 003698035.1      KTLANPRVLTQNRKEAKIESGYEIPFTVTTASGGGNSTNTELKKAVLGLTVTPNITPDGQIIMTVKINKDSPAQCASGNN   641
NTDB id 1092 CAD91899.1 1..2286( )             KTLANPRVLTQNRKEAKIESGYEIPFTVTSIANGGSSTNTELKKAVLGLTVTPNITPDGQIIMTVKINKDSPAQCASGNQ   679
NTDB id 1100 NMB RS09455 WP 002225652.1        KTLANPRVLTQNRKEAKIESGYEIPFTVTSIANGGSSTNTELKKAVLGLTVTPNITPDGQIIMTVKINKDSPAQCASGNQ   687
consensus                                      !!**!!!!!!!*!!!!*!!*!*!!!******  ****!****!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!**!*****

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NTDB id 1099471 ACM67E RS09900 WP 416191280.1  STMCISTKSLNTQAMVEDGGTLIVGGIYEEESSNNVNKVPLLGDIPVVGNLFKSRAREENRRELLVFITPRIMDSVGNNL   722
NTDB id 1115 OK783 RS00485 WP 003698035.1      TILCISTKSLNTQAMVENGGTLIVGGIYEENNGNTLTKVPLLGDIPVIGNLFKTRGKKTDRRELLIFITPRIIDTAGNSL   721
NTDB id 1092 CAD91899.1 1..2286( )             TILCISTKNLNTQAMVENGGTLIVGGIYEEDNGNTLTKVPLLGDIPVIGNLFKTRGKKTDRRELLIFITPRIMGTAGNSL   759
NTDB id 1100 NMB RS09455 WP 002225652.1        TILCISTKNLNTQAMVENGGTLIVGGIYEEDNGNTLTKVPLLGDIPVIGNLFKTRGKKTDRRELLIFITPRIMGTAGNSL   767
consensus                                      ***!!!!!  !!!!!!!!!*!!!!!!!!!!!!!***!***!!!!!!!!!!*!!!!!*!*****!!!!!*!!!!!!* **!!*!

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logo

NTDB id 1099471 ACM67E RS09900 WP 416191280.1  RY.   724
NTDB id 1115 OK783 RS00485 WP 003698035.1      RY.   723
NTDB id 1092 CAD91899.1 1..2286( )             RY*   761
NTDB id 1100 NMB RS09455 WP 002225652.1        RY.   769
consensus                                      !!
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X non conserved

X similar

X ≥ 50% conserved