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logo
NTDB id 1193 PAKAF RS26665 WP 003161249.1     MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAPRGYTIEQPARIALDLPGVQNKLGTKNR   79
NTDB id 1099566 ACM67B RS02480 WP 416190011.1 MRINCMTKPFAALNMVLAVQTAFAGNITDINVSALPDNQKIIKIRFDRDITSPTGFVTSTPARIALDFANTNIQLSQPVL   80
NTDB id 1115 OK783 RS00485 WP 003698035.1     MNTKLTKIISGLFVATAAFQTASAGNITDIKVSSLPNKQKIVKVSFDKEIVNPTGFVTSSPARIALDFEQTGISMDQQVL   80
NTDB id 1092 CAD91899.1 1..2286( )            MNTKLTKIISGLFVATAAFQTASAGNITDIKVSSLPNKQKIVKVSFDKEIVNPTGFVTSSPARIALDFEQTGISMDQQVL   80
NTDB id 1100 NMB RS09455 WP 002225652.1       MNTKLTKIISGLFVATAAFQTASAGNITDIKVSSLPNKQKIVKVSFDKEIVNPTGFVTSSPARIALDFEQTGISMDQQVL   80
consensus                                     !**********************!*******!**!!******!**!!*****!*!*****!!!!!!!*************

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NTDB id 1193 PAKAF RS26665 WP 003161249.1     ELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPV.KASPAPASY..........   147
NTDB id 1099566 ACM67B RS02480 WP 416190011.1 EYSDPLLSQITAAQNKDYARILLGLNKTGQYNTEIRGDEVWVYVREAADQNVAAPAASYSAPAPA.P..T.........   147
NTDB id 1115 OK783 RS00485 WP 003698035.1     EYADPLLSKISAAQNSSRARLVLNLNKPGQYNTEVRGNKVWIFINESDDTVSA.PARPAVKAAPAAPAKQQA........   151
NTDB id 1092 CAD91899.1 1..2286( )            EYADPLLSKISAAQNSSRARLVLNLNKPGQYNTEVRGNKVWIFINESDDTVSA.PARPAVKAAPAAPAKQQAAAPSTKSA   159
NTDB id 1100 NMB RS09455 WP 002225652.1       EYADPLLSKISAAQNSSRARLVLNLNKPGQYNTEVRGNKVWIFINESDDTVSA.PARPAVKAAPAAPAKQQAAAPSTKSA   159
consensus                                     !******************!****!*****!*!***!***************  *********!!*******

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NTDB id 1193 PAKAF RS26665 WP 003161249.1     ...AQPIK.......................P.......................KPYVPAGRAIRNIDFQRGEKGEGN   177
NTDB id 1099566 ACM67B RS02480 WP 416190011.1 ..............................P......................AAARATQASQVATSANVDFRKGSRNSGV   176
NTDB id 1115 OK783 RS00485 WP 003698035.1     ...............AAPFTESVVSVSAPFSPAKQQA.......................AASAKQTNIDFRKDGKNAGI   193
NTDB id 1092 CAD91899.1 1..2286( )            VSVSEPFTPAKQQAAAPFTESVVSVSAPFSPAKQQAAASAKQQTA........APAKQQAAAPAKQTNIDFRKDGKNAGI   231
NTDB id 1100 NMB RS09455 WP 002225652.1       VSVSEPFTPAKQQAAAPFTESVVSVSAPFSPAKQQAAASAKQQAAAPAKQQAAAPAKQQAAAPAKQTNIDFRKDGKNAGI   239
consensus                                          *         ***************!*****                 *   * **** ****!*!!*******!*

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NTDB id 1193 PAKAF RS26665 WP 003161249.1     VVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRTSITIEPSGLYDYLVYQT.DNR   256
NTDB id 1099566 ACM67B RS02480 WP 416190011.1 VELSAPTFSGSPDVKQERDRVVITLKNHPLPTQAQRNLDVGDFNTPVQNVTLKRIGNATQLIIRTKGNWDINTQS.AAGR   255
NTDB id 1115 OK783 RS00485 WP 003698035.1     IELAALGFAGQPDISQQHDHIIVTLKNHTLPTALQRSLDVADFKTPVQKVTLKRLNNDTQLIITTTGNWELVNKSAAPGY   273
NTDB id 1092 CAD91899.1 1..2286( )            IELAALGFAGQPDISQQHDHIIVTLKNHTLPTTLQRSLDVADFKTPVQKVTLKRLNNDTQLIITTAGNWELVNKSAAPGY   311
NTDB id 1100 NMB RS09455 WP 002225652.1       IELAALGFAGQPDISQQHDHIIVTLKNHTLPTTLQRSLDVADFKTPVQKVTLKRLNNDTQLIITTAGNWELVNKSAAPGY   319
consensus                                     ***********!!****************!!* ****!!!*!!*!!!!*!********!***!** !**************

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NTDB id 1193 PAKAF RS26665 WP 003161249.1     LTVSI..KPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQGNITLRLQNVPWDQALDLV   334
NTDB id 1099566 ACM67B RS02480 WP 416190011.1 HTFEIVPKAATTESRSLRNHANKSFRGHKISLDFQDVEVRTILQILSKESDVNIVASDTVNGKMTLSLKDVPWDQALDLV   335
NTDB id 1115 OK783 RS00485 WP 003698035.1     FTFQVLPKKQNLESGGV.NNAPKTFTGRKISLDFQDVEIRTILQILAKESGMNIVASDSVSGKMTLSLKDVPWDQALDLV   352
NTDB id 1092 CAD91899.1 1..2286( )            FTFQVLPKKQNLESGGV.NNAPKTFTGRKISLDFQDVEIRTILQILAKESGMNIVASDSVNGKMTLSLKDVPWDQALDLV   390
NTDB id 1100 NMB RS09455 WP 002225652.1       FTFQVLPKKQNLESGGV.NNAPKTFTGRKISLDFQDVEIRTILQILAKESGMNIVASDSVNGKMTLSLKDVPWDQALDLV   398
consensus                                     *!*****!****!****  ********!*!*!!*!!!***!**!!********!*!!!!!*!*!**!!*!**!!!!!!!!!!
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logo
NTDB id 1193 PAKAF RS26665 WP 003161249.1   LKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKLFQSVT.....SDGGQEGKE   409
NTDB id 1099566 ACM67B RS02480 WP 416190011.1   MQARNLDMRRQGNIINIAPRDELLAKDKVFLQAEKELAELGPLLSQTFQLKYKNVEEFRKILRLEENNSHNSRTKSNTLL   415
NTDB id 1115 OK783 RS00485 WP 003698035.1   MQARNLDMRQQGNIVNIAPRDELLAKDKAFLQAEKDIADLGALYSQNFQLKYKNVEEFRSILRLDNADTT...GNRNTLV   429
NTDB id 1092 CAD91899.1 1..2286( )   MQARNLDMRQQGNIVNIAPRDELLAKDKAFLQAEKDIADLGALYSQNFQLKYKNVEEFRSILALDNADTT...GNRNTLV   467
NTDB id 1100 NMB RS09455 WP 002225652.1   MQARNLDMRQQGNIVNIAPRDELLAKDKALLQAEKDIADLGALYSQNFQLKYKNVEEFRSILRLDNADTT...GNRNTLI   475
consensus   *****!!*!**!!****!!*!!**!*****!*!*!**!*!**!*****!**!*****************   *******

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NTDB id 1193 PAKAF RS26665 WP 003161249.1   GGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQVMIEARIVEANVGYDKSLGVRWGGAYHKGNW...SGYGKD   486
NTDB id 1099566 ACM67B RS02480 WP 416190011.1   STRGSALIDSATNTLIISDNHSVIEKFRRLIAELDVPTRQVMIEARIVEADESLSHDLGVKFGYHGVRGR......NTWG   489
NTDB id 1115 OK783 RS00485 WP 003698035.1   SGRGSVLIDPATNTLIVTDTRSVIEKFRKLIDELDVPAQQVMIEARIVEAADGFSRDLGVKFGATGRKKLKNETSAFGWG   509
NTDB id 1092 CAD91899.1 1..2286( )   SGRGSVLIDPATNTLIVTDTRSVIEKFRKLIDELDVPAQQVMIEARIVEAADGFSRDLGVKFGATGKKKLKNDTSAFGWG   547
NTDB id 1100 NMB RS09455 WP 002225652.1   SGRGSVLIDPATNTLIVTDTRSVIEKFRKLIDELDVPAQQVMIEARIVEAADGFSRDLGVKFGATGKKKLKNDTSAFGWG   555
consensus   **!!!***!**!!**!***********!*****!!*!**!!!!!!!!!!!!*******!!!**!*****************

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NTDB id 1193 PAKAF RS26665 WP 003161249.1   GNIGIKDEDGMNCGPIAGSCTFPTTGTSKSPSPFVDLGAKDATSGIGIGFITDNIILDLQLSAMEKTGNGEIVSQPKVVT   566
NTDB id 1099566 ACM67B RS02480 WP 416190011.1   SNLGNTH.SVLALNP...NINLPITHTPT.............TSIALVRSLSSGALGLELAAAESQNKSKTISNPRILT   551
NTDB id 1115 OK783 RS00485 WP 003698035.1   VNSGFGGGDKWEAQT...KINLPVAA.AA..............NSISLVRAISSGALNLELSASESLSKTKTLANPRVLT   571
NTDB id 1092 CAD91899.1 1..2286( )   VNSGFGGDDKWGAET...KINLPITA.AA..............NSISLVRAISSGALNLELSASESLSKPKTLANPRVLT   609
NTDB id 1100 NMB RS09455 WP 002225652.1   VNSGFGGDDKWGAET...KINLPITA.AA..............NSISLVRAISSGALNLELSASESLSKTKTLANPRVLT   617
consensus   *!*!*********** *   ****!*** **              **!**********!*!*!*!*!*************!***!

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NTDB id 1193 PAKAF RS26665 WP 003161249.1   SDKETAKILKGSEVPYQEASSSG...ATSTSFKEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNMLN.GVPPINKNEV   642
NTDB id 1099566 ACM67B RS02480 WP 416190011.1   QDRQEASIESGTEIPYQEATSSG...ATSVSFKKAVLGLTVTPNITPDGQIIMAVNINKDTPSPCTVDSLNTMCISTKSL   628
NTDB id 1115 OK783 RS00485 WP 003698035.1   QNRKEAKIESGYEIPFTVTTASGGGNSTNTELKKAVLGLTVTPNITPDGQIIMTVKINKDSPAQCASGNNTILCISTKSL   651
NTDB id 1092 CAD91899.1 1..2286( )   QNRKEAKIESGYEIPFTVTSIANGGSSTNTELKKAVLGLTVTPNITPDGQIIMTVKINKDSPAQCASGNQTILCISTKNL   689
NTDB id 1100 NMB RS09455 WP 002225652.1   QNRKEAKIESGYEIPFTVTSIANGGSSTNTELKKAVLGLTVTPNITPDGQIIMTVKINKDSPAQCASGNQTILCISTKNL   697
consensus   *****!*!**!*!*!***** **** *!****!*!*!*!*!!!*!!!!**!!**!***!!*!*******!****!*** *

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logo
NTDB id 1193 PAKAF RS26665 WP 003161249.1   NAKILVNDGETIVIGGVFSNEQSKSVEKVPFLGELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR.   714
NTDB id 1099566 ACM67B RS02480 WP 416190011.1   NTQAMVEDGGTLIVGGIYEEENSNTVNKVPLLGDIPVVGNLFKSRSRNEARRELLVFITPRIMDSVGNNLRY.   700
NTDB id 1115 OK783 RS00485 WP 003698035.1   NTQAMVENGGTLIVGGIYEENNGNTLTKVPLLGDIPVIGNLFKTRGKKTDRRELLIFITPRIIDTAGNSLRY.   723
NTDB id 1092 CAD91899.1 1..2286( )   NTQAMVENGGTLIVGGIYEEDNGNTLTKVPLLGDIPVIGNLFKTRGKKTDRRELLIFITPRIMGTAGNSLRY*   761
NTDB id 1100 NMB RS09455 WP 002225652.1   NTQAMVENGGTLIVGGIYEEDNGNTLTKVPLLGDIPVIGNLFKTRGKKTDRRELLIFITPRIMGTAGNSLRY.   769
consensus   !****!**!*!***!!************!!!*!!**!**!*!!**********!!!*!*!!!!* ********
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X non conserved
X similar
X $\geq$50% conserved