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logo
NTDB id 610 V4T04 RS10165 WP 012897346.1      MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLLAAMATTSGSIAYSLLAGMNVDSSDLLIDLEDLSSHV.......   73
NTDB id 1027611 AB3U43 RS10320 WP 000365407.1 MDLNQ..MTTKTQEAIMSAQSLAVSHHHQEVDTVHLLLALLEEQQDGLAVRIFQKMNVDIEALKQGAESLIKKKPSVTGSG   78
NTDB id 85 BSU 00860 NP 387967.1              MMFGR..FTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLI.......GRG   71
consensus                                     ! * *  *! * ****  !** !*   ** *** !*!**** * ***! ********** *  **!*!*       * *

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1      KVKRSTLRFSPRAEEVMTAASFLAIHNNSEAVGTEHLLYALLQVEDGFGLQLLKLQKINIVSLRKELEKRTGLKVPESKK  153
NTDB id 1027611 AB3U43 RS10320 WP 000365407.1 AEVGKLY.VTSALQQLLVRAGKEAEKLQDDYISVEHVLLAFSEEKGDI.NQLFTRLYITKDNLLQSLMTVRG........  148
NTDB id 85 BSU 00860 NP 387967.1              QEMSQTIHYTPRAKKVIELSMDEARKLGHSYVGTEHILLGLIREGEGVAARVLNNLGVSLNKARQQVLQLLGSN......  145
consensus                                      **  ** *****  **  *  *! *** *****!!*!**** * **** ***  * ***  *** ** * !

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1      AVTPMSKRKMAKGVAENSTTPTLDSVSSDLTEEARLGKLDPMIGREAEIDRLIHILSRRTKNNPVLVGEPGVGKSAIIEG  233
NTDB id 1027611 AB3U43 RS10320 WP 000365407.1 .......NQRVTSQNPEATYEALEKYGRDLVAEVRAGKIDPVIGRDSEIRRVIRILSRKTKNNPVLIGEPGVGKTAIVEG  221
NTDB id 85 BSU 00860 NP 387967.1              .....ETGSSAAGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVIEVLSRRTKNNPVLIGEPGVGKTAIAEG  220
consensus                                                * * * ******!*****!!***** ***!!*!!!* !! !*! *!!!*!!!!!!!*!!!!!!!*!!*!!

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1      LAQRIVNGQVPIGLMNSRIMALNMATVVAGTKFRGEFEDRLTAIVEEVSS.DPDVIIFIDELHTIIGAGGGMDSVNDAAN  312
NTDB id 1027611 AB3U43 RS10320 WP 000365407.1 LAQRIVKKDVPEGLKDRTIFALDMSALVAGAKFRGEFEERLQAVLNEIKKSEGRILLFIDELHTIVGAGKT.EGAMDAGN  300
NTDB id 85 BSU 00860 NP 387967.1              LAQQIINNEVPEILRDKRVMTLDMGTVVAGTKYRGEFEDRLKKVMDEIRQ.AGNIILFIDELHTLIGAGGA.EGAIDASN  298
consensus                                     !!!*!** *!!**!*******!*!***!!!*!*!!!!!*!! ****!**  ** ***!!!!!!!**!!!** ****!!*!

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1      ILKPALARGDFQMVGATTYHEYQKYIEKDEALERRLARINVDEPSPDEAIAILQGLREKFEDYHQVKFTDQAIKSAVMLS  392
NTDB id 1027611 AB3U43 RS10320 WP 000365407.1 MLKPMLARGELHCIGATTLDEYRKYIEKDPALERRFQQVLAEEPTVEDTISILRGLKERFEIYHGVNIHDRAIVAASVLS  380
NTDB id 85 BSU 00860 NP 387967.1              ILKPSLARGELQCIGATTLDEYRKYIEKDAALERRFQPIQVDQPSVDESIQILQGLRDRYEAHHRVSITDDAIEAAVKLS  378
consensus                                     *!!! !!!!*****!!!!**!!*!!!!!! !!!!!** *****!****** !!*!!*****! *! ! **! !! *!**!!

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1      VRYMTSRKLPDKAIDLLDEAAAAVKISVKNQQTKRLDLEKELAEAQEELSEA.......V....IKL.............  448
NTDB id 1027611 AB3U43 RS10320 WP 000365407.1 DRYISDRFLPDKAIDLVDEACATIRTEIDSMPTELDEVTRRIMQLEIEEAALGKETDRGSQERLKTLQRELSDLKEVASG  460
NTDB id 85 BSU 00860 NP 387967.1              DRYISDRFLPDKAIDLIDEAGSKVRLRSFTTPPNLKELEQKLDEVRKEKDAA.......V...................  431
consensus                                     *!!***!*!!!!!!!!!*!!!** *** * * ** * ****** **  !  **       *      *
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logo
NTDB id 610 V4T04 RS10165 WP 012897346.1        ..........DIKASRT....KEKAVEKI..ADKIYKF.............................SVKEDKRQEVTDQ   483
NTDB id 1027611 AB3U43 RS10320 WP 000365407.1   MRAKWEKEKEEIHKVRDLREHLERLRRELEEAEGNYDLNKAAELRHGKIPAIEKELKEAEEMGGHNKQENRLLREEVSEE   540
NTDB id 85 BSU 00860 NP 387967.1                .......QSQEFEKAASLRDTEQRLREQVEDTKKSWK...............................EKQGQENSEVTVD   474
consensus                                                ** * *****  ***** ****** **                                  *    * !!***

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1        AVVAVASTLTGVPITQMTKSESDRLINLEKELHKRVVGQEEAISAVSRAIRRARSGVADSRRPMGSFMFLGPTGVGKTEL   563
NTDB id 1027611 AB3U43 RS10320 WP 000365407.1   EIADIVSRWTGIPVAKLVEGEREKLLRLEQILSERVIGQEEAVSLVSDAVLRARAGIKDPNRPIGSFIFLGPTGVGKTEL   620
NTDB id 85 BSU 00860 NP 387967.1                DIAMVVSSWTGVPVSKIAQTETDKLLNMENILHSRVIGQDEAVVAVAKAVRRARAGLKDPKRPIGSFIFLGPTGVGKTEL   554
consensus                                       *** **!**!!*!****  *!***!***!**!* !!*!!*!!***!**!**!!!*!**!**!!*!!!*!!!!!!!!!!!!

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1        AKALADSVFGSEDNMIRVDMSEFMEKHSTSRLIGAPPGYVGYDEGGQLTERVRNKPYSVVLLDEVEKAHPDVFNIMLQIL   643
NTDB id 1027611 AB3U43 RS10320 WP 000365407.1   AKTLAQSLFDSEEQMIRIDMSEYMEKHAVSRLIGAPPGYVGYEEGGQLTEAVRRKPYSVVLLDEIEKAHPEVFNILLQML   700
NTDB id 85 BSU 00860 NP 387967.1                ARALAESIFGDEESMIRIDMSEYMEKHSTSRLVGSPPGYVGYDEGGQLTEKVRRKPYSVVLLDEIEKAHPDVFNILLQVL   634
consensus                                       !**!!*!*!**!**!!!*!!!!*!!!!**!!!*!*!!!!!!!*!!!!!!!*!!*!!!!!!!!!!!*!!!!!*!!!!*!!*!

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1        DDGFVTDTKGRKVDFRNTIIIMTSNLGATALRDDKTVGFGAKNITADYSAMKSRILEELKRHYRPEFLNRIDENIVFHSL   723
NTDB id 1027611 AB3U43 RS10320 WP 000365407.1   DDGRITDSQGRTVDFKNTVIIMTSNIGSAHLLDGL......EEDGSIKEESRDLVMGQLRGHFRPEFLNRVDEIILFKPL   774
NTDB id 85 BSU 00860 NP 387967.1                EDGRLTDSKGRTVDFRNTILIMTSNVGASELKRNKYVGFNVQDETQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSL   714
consensus                                       *!!**!!**!!*!!!*!!**!!!!!*!** !** * ***   ***    *********!****!!!!*!!*!!*!*!**!

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1        ESQEIEQIVKIMSKSLIKRLAEQDIHVKLTPSAVKLIAEVGFDPEYGARPLRKALQKEVEDLLSEQLLSGEIKAGNHVSI   803
NTDB id 1027611 AB3U43 RS10320 WP 000365407.1   TTNEIKGIVDKIVKELQGRLADRHITVELSDAAKEFVVEAGFDPMYGARPLKRYVQRQVETKLARELIAGTITDNSHVVV   854
NTDB id 85 BSU 00860 NP 387967.1                EKKHLTEIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAEEGVDLEYGARPLRRAIQKHVEDRLSEELLRGNIHKGQHIVL   794
consensus                                       *****  !! **** ! *!!*********!***!*  **! !*!**!!!!!!****!* !!**!***!* ! !  **!***

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1        GASNKKIKIAQIV...   816
NTDB id 1027611 AB3U43 RS10320 WP 000365407.1   DVENNELVVHVK....   866
NTDB id 85 BSU 00860 NP 387967.1                DVEDGEFVVKTTAKTN   810
consensus                                       **** ****
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X non conserved

X similar

X ≥ 50% conserved