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logo
NTDB id 610 V4T04 RS10165 WP 012897346.1   MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLLAAMATTSGSIAYSLLAGMNVDSSDLLIDLEDLSSHV.......KVKRS   78
NTDB id 181816 DA68 RS02590 WP 000365404.1 MDLNQ..MTTKTQEAIMSAQSLAVSHHHQEVDTVHLLLALLEEQDGLAVRIFQKMNVDIEALKQGAESLIKKKPSVTGSGAEVGK   83
NTDB id 85 BSU 00860 NP 387967.1           MMFGR..FTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLI.......GRGQEMSQ   76
consensus                                  ! * *  *! * ****  !** !*   ** *** !*!**** * ***! ************ *  **!*!*       * * **

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1   TLRFSPRAEEVMTAASFLAIHNNSEAVGTEHLLYALLQVEDGFGLQLLKLQKINIVSLRKELEKRTGLKVPESKKAVTPMSKRKM  163
NTDB id 181816 DA68 RS02590 WP 000365404.1 LY.VTSALQQLLVRAGKEAEKLQDDYISVEHVLLAFSEEKGDI.NQLFTRLHITKDNLLQSLMTVRG...............NQR  151
NTDB id 85 BSU 00860 NP 387967.1           TIHYTPRAKKVIELSMDEARKLGHSYVGTEHILLGLIREGEGVAARVLNNLGVSLNKARQQVLQLLGSN...........ETGSS  150
consensus                                  ** *****  **  *  *! *** *****!!*!**** * **** ***  * ***  *** ** * !

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1   AKGVAENSTTPTLDSVSSDLTEEARLGKLDPMIGREAEIDRLIHILSRRTKNNPVLVGEPGVGKSAIIEGLAQRIVNGQVPIGLM  248
NTDB id 181816 DA68 RS02590 WP 000365404.1 VTSQNPEATYEALEKYGRDLVAEVRAGKIDPVIGRDSEIRRVIRILSRKTKNNPVLIGEPGVGKTAIVEGLAQRIVKKDVPEGLK  236
NTDB id 85 BSU 00860 NP 387967.1           AAGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVIEVLSRRTKNNPVLIGEPGVGKTAIAEGLAQQIINNEVPEILR  235
consensus                                  * * * ******!*****!!***** ***!!*!!!* !! !*! *!!!*!!!!!!!*!!!!!!!*!!*!!!!!*!** *!!**!*

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1   NSRIMALNMATVVAGTKFRGEFEDRLTAIVEEVSS.DPDVIIFIDELHTIIGAGGGMDSVNDAANILKPALARGDFQMVGATTYH  332
NTDB id 181816 DA68 RS02590 WP 000365404.1 DRTIFALDMSALVAGAKFRGEFEERLQAVLNEIKKSEGRILLFIDELHTIVGAGKTE.GAMDAGNMLKPMLARGELHCIGATTLD  320
NTDB id 85 BSU 00860 NP 387967.1           DKRVMTLDMGTVVAGTKYRGEFEDRLKKVMDEIRQ.AGNIILFIDELHTLIGAGGAE.GAIDASNILKPSLARGELQCIGATTLD  318
consensus                                  ******!*!***!!!*!*!!!!!*!! ****!**  ** ***!!!!!!!**!!!*** ***!!*!*!!! !!!!*****!!!!**

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1   EYQKYIEKDEALERRLARINVDEPSPDEAIAILQGLREKFEDYHQVKFTDQAIKSAVMLSVRYMTSRKLPDKAIDLLDEAAAAVK  417
NTDB id 181816 DA68 RS02590 WP 000365404.1 EYRKYIEKDPALERRFQQVLAEEPTVEDTISILRGLKERFEIYHGVNIHDRAIVAASVLSDRYISDRFLPDKAIDLVDEACATIR  405
NTDB id 85 BSU 00860 NP 387967.1           EYRKYIEKDAALERRFQPIQVDQPSVDESIQILQGLRDRYEAHHRVSITDDAIEAAVKLSDRYISDRFLPDKAIDLIDEAGSKVR  403
consensus                                  !!*!!!!!! !!!!!** *****!****!! !!*!!****! *! ! **! !! *!*!!*!!***!*!!!!!!!!*!!!!** **

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1   ISVKNQQTKRLDLEKELAEAQEELSEA.......V....IKL.......................DIKASRT....KEKAVEKI.  463
NTDB id 181816 DA68 RS02590 WP 000365404.1 TEIDSMPTELDEVTRRIMQLEIEEAALGKETDRGSQERLKTLQRELSDLKEVASGMRAKWEKEKEEIHKVRDLREHLERLRRELE  490
NTDB id 85 BSU 00860 NP 387967.1           LRSFTTPPNLKELEQKLDEVRKEKDAA.......V.........................QSQEFEKAASLRDTEQRLREQVE  454
consensus                                  * * * ** * ****** **  !  **       *      *                      ** * *****  ***** **
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logo
NTDB id 610 V4T04 RS10165 WP 012897346.1      .ADKIYKF.............................SVKEDKRQEVTDQAVVAVASTLTGVPITQMTKSESDRLINLEKELHKR   518
NTDB id 181816 DA68 RS02590 WP 000365404.1    EAEGNYDLNKAAELRHGKIPAIEKELKEAEEMGAHNKQENRLLREEVSEEEIADIVSRWTGIPVAKLVEGEREKLLRLEQILSER   575
NTDB id 85 BSU 00860 NP 387967.1              DTKKSWK..............................EKQGQENSEVTVDDIAMVVSSWTGVPVSKIAQTETDKLLNMENILHSR   509
consensus                                     **** **                                *   * !!****** **!**!!*!****  *!***!***!**!* !

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1      VVGQEEAISAVSRAIRRARSGVADSRRPMGSFMFLGPTGVGKTELAKALADSVFGSEDNMIRVDMSEFMEKHSTSRLIGAPPGYV   603
NTDB id 181816 DA68 RS02590 WP 000365404.1    VIGQEEAVSLVSDAVLRARAGIKDPNRPIGSFIFLGPTGVGKTELAKTLAQSLFDSEEQMIRIDMSEYMEKHAVSRLIGAPPGYV   660
NTDB id 85 BSU 00860 NP 387967.1              VIGQDEAVVAVAKAVRRARAGLKDPKRPIGSFIFLGPTGVGKTELARALAESIFGDEESMIRIDMSEYMEKHSTSRLVGSPPGYV   594
consensus                                     !*!!*!!***!**!**!!!*!**!**!!*!!!*!!!!!!!!!!!!!**!!*!*!**!**!!!*!!!!*!!!!**!!!*!*!!!!!

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1      GYDEGGQLTERVRNKPYSVVLLDEVEKAHPDVFNIMLQILDDGFVTDTKGRKVDFRNTIIIMTSNLGATALRDDKTVGFGAKNIT   688
NTDB id 181816 DA68 RS02590 WP 000365404.1    GYEEGGQLTEAVRRKPYSVVLLDEIEKAHPEVFNILLQMLDDGRITDSQGRTVDFKNTVIIMTSNIGSAHLLDGL......EEDG   739
NTDB id 85 BSU 00860 NP 387967.1              GYDEGGQLTEKVRRKPYSVVLLDEIEKAHPDVFNILLQVLEDGRLTDSKGRTVDFRNTILIMTSNVGASELKRNKYVGFNVQDET   679
consensus                                     !!*!!!!!!!*!!*!!!!!!!!!!!*!!!!!*!!!!*!!*!*!!*!!**!!*!!!*!!**!!!!!*!** !** * ***    ***

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1      ADYSAMKSRILEELKRHYRPEFLNRIDENIVFHSLESQEIEQIVKIMSKSLIKRLAEQDIHVKLTPSAVKLIAEVGFDPEYGARP   773
NTDB id 181816 DA68 RS02590 WP 000365404.1    SIKEESRDLVMGQLRGHFRPEFLNRVDEIILFKPLTTNEIKSIVDKIVKELQGRLADRHITVELTDAAKEFVVEAGFDPMYGARP   824
NTDB id 85 BSU 00860 NP 387967.1              QNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEKKHLTEIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAEEGVDLEYGARP   764
consensus                                         *********!****!!!!*!!*!!*!*!**!*****  !! **** ! *!!*****!**!!**!*  **! !*!**!!!!!

logo
NTDB id 610 V4T04 RS10165 WP 012897346.1      LRKALQKEVEDLLSEQLLSGEIKAGNHVSIGASNKKIKIAQIV...   816
NTDB id 181816 DA68 RS02590 WP 000365404.1    LKRYVQRQVETKLARELIAGTITDNSHVVVDVENNELVVHVK....   866
NTDB id 85 BSU 00860 NP 387967.1              LRRAIQKHVEDRLSEELLRGNIHKGQHIVLDVEDGEFVVKTTAKTN   810
consensus                                     !****!* !!**!***!* ! !  **!******* ****
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X non conserved

X similar

X $\geq$50% conserved