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logo
NTDB id 601 KW2 RS02615 WP 021036805.1          ..................................................MLCQNCNINEA........TIHLYTSVNGQK..   23
NTDB id 346670 EXW54 RS05770 WP 098623757.1     MDLNQMTTKTQEAIMSAQSLAVSHHHQEVDTVHLLLALLEEQDGLAVRIFQKMNVDIEALKQDVENVIKKKPSVTGSGAE   80
NTDB id 85 BSU 00860 NP 387967.1                MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIGR.......GQE   73
consensus                                       *     * * *  *  **  **   ** * * ******* * **** ** ! ***  * *  *** *! *  ** * * *

logo
NTDB id 601 KW2 RS02615 WP 021036805.1          ..KQIDLCQNCYQIMKSGGQ............EALFGAGNASNGNSDEPFNPFNDIFSALQGQDFNGAASNQTPPTQTG   88
NTDB id 346670 EXW54 RS05770 WP 098623757.1     VGKL.YITSNLQQLLVRAGKEAEKLQDDYISVEHVLLAFSEEKGDI.NHLFTRLHITKDNLLQSLMTVRG.........N  149
NTDB id 85 BSU 00860 NP 387967.1                MSQTIHYTPRAKKVIELSMDEARKLGHSYVGTEHILLGLIREGEGVAARVLNNLGVSLNKARQQVLQLLGSNET.....G  148
consensus                                       * * * ** *  ***  ** ** **   **  ***!**   *  **   *** * **   * ****** *** *     *

logo
NTDB id 601 KW2 RS02615 WP 021036805.1          GRGPRGPQNPRAKQPKGMLEEFGINITESARRGEIDPVIGRDEEIKRVIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQK  168
NTDB id 346670 EXW54 RS05770 WP 098623757.1     ..QRVTSQNPEA..TYEALEKYGRDLVAEVRAGKIDPVIGRDSEIRRVIRILSRKTKNNPVLIGEPGVGKTAIVEGLAQR  225
NTDB id 85 BSU 00860 NP 387967.1                ..SSAAGTNSNA..NTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVIEVLSRRTKNNPVLIGEPGVGKTAIAEGLAQQ  224
consensus                                            * *!* !      !* ******* ** * *!!!!!!* !!*!!!**!*!*!!!!!!!!!!!!!!!!!!**!!!!!*

logo
NTDB id 601 KW2 RS02615 WP 021036805.1          IVDGDVPQKLQNKEVIRLDVVSLVQGTGIRGQFEERMQKLMDEIRK.RNDVIMFIDEIHEIVGAGSAGDGNMDAGNILKP  247
NTDB id 346670 EXW54 RS05770 WP 098623757.1     IVKKDVPEGLKDRTIFALDMSALVAGAKFRGEFEERLQAVLNEIKKSEGRILLFIDELHTIVGAGKT.EGAMDAGNMLKP  304
NTDB id 85 BSU 00860 NP 387967.1                IINNEVPEILRDKRVMTLDMGTVVAGTKYRGEFEDRLKKVMDEIRQ.AGNIILFIDELHTLIGAGGA.EGAIDASNILKP  302
consensus                                       !*  *!!* !*** ** !!* **!*!***!!*!!*!******!!**  * ***!!!!*!***!!! * *!**!!*!*!!!

logo
NTDB id 601 KW2 RS02615 WP 021036805.1          ALARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPSVDETITILRGIQARYEDYHHVKYTDEAIEAAAHLSNRYI  326
NTDB id 346670 EXW54 RS05770 WP 098623757.1     MLARGELHCIGATTLDEYRKYIEKDPALERRFQQVLAEEPTVEDTISILRGLKERFEIYHGVNIHDRAIVAASVLSDRYI  384
NTDB id 85 BSU 00860 NP 387967.1                SLARGELQCIGATTLDEYRKYIEKDAALERRFQPIQVDQPSVDESIQILQGLRDRYEAHHRVSITDDAIEAAVKLSDRYI  382
consensus                                        !!!!!!***!!!!!*!!!**!!!!*!!!!!*!** ***!*!***!*!!*!**!*! *! ! **!*!!*!!  !!*!!!

logo
NTDB id 601 KW2 RS02615 WP 021036805.1          QDRFLPDKAIDLLDESGSKKNLTLKFVDP..EDINRRIADAENKKNEATKAEDF.........................  378
NTDB id 346670 EXW54 RS05770 WP 098623757.1     SDRFLPDKAIDLVDEACATIRTEIDSMPTELDEVTRRIMQLEIEEAALGKEKDFGSQERLKTLQRELSDLKEVASSMRAK  464
NTDB id 85 BSU 00860 NP 387967.1                SDRFLPDKAIDLIDEAGSKVRLRSFTTPPNLKELEQKLDEVRKEKDAAVQSQEF.........................  436
consensus                                       *!!!!!!!!!!!*!!******* * **** **** *** *** ** ** *  *!
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logo
NTDB id 601 KW2 RS02615 WP 021036805.1        ........EKAAHFRDQISKLRELQKQE.....................................VTDEDMPVITEKDIEQ   414
NTDB id 346670 EXW54 RS05770 WP 098623757.1   WEKEKEDIHKVRDLREHLERLRRELEEAEGNYDLNKAAELRHGKIPAIEKELKEAEEMSAHNKQENRLLREEVSEEEIAD   544
NTDB id 85 BSU 00860 NP 387967.1              ........EKAASLRDTEQRLREQVEDTKKSWK...............................EKQGQENSEVTVDDIAM   478
consensus                                              *!** *!* * *!!* ***    *                                 *  *  ******!*

logo
NTDB id 601 KW2 RS02615 WP 021036805.1        IVEQKTQIPVGDLKEKEQTQLINLADDLKAHVIGQDEAVDKISKAIRRSRVGLGKPNRPIGSFLFVGPTGVGKTELAKQL   494
NTDB id 346670 EXW54 RS05770 WP 098623757.1   IVSRWTGIPVAKLVEGEREKLLRLEQILSERVIGQEEAVSLVSDAVLRARAGIKDPNRPIGSFIFLGPTGVGKTELAKTL   624
NTDB id 85 BSU 00860 NP 387967.1              VVSSWTGVPVSKIAQTETDKLLNMENILHSRVIGQDEAVVAVAKAVRRARAGLKDPKRPIGSFIFLGPTGVGKTELARAL   558
consensus                                     *!* *!**!!*** * ! **!******!  *!!!!*!!!  ***!**!*!*!***!*!!!!!!*!*!!!!!!!!!!!* !

logo
NTDB id 601 KW2 RS02615 WP 021036805.1        AKELFGSSESMIRFDMSEYMEKHSVAKLIGAPPGYVGYEEAGQLTERVRRNPYSLILLDEIEKAHPDVMHMFLQILEDGR   574
NTDB id 346670 EXW54 RS05770 WP 098623757.1   AQSLFDSEEQMMRIDMSEYMEKHAVSRLIGAPPGYVGYEEGGQLTEAVRRKPYSVILLDEIEKAHPEVFNILLQMLDDGR   704
NTDB id 85 BSU 00860 NP 387967.1              AESIFGDEESMIRIDMSEYMEKHSTSRLVGSPPGYVGYDEGGQLTEKVRRKPYSVVLLDEIEKAHPDVFNILLQVLEDGR   638
consensus                                     ! **!***!*!*!*!!!!!!!!!!****!*!*!!!!!!!*!*!!!!!*!!!!*!!!**!!!!!!!!!!*!****!!*!*!!!

logo
NTDB id 601 KW2 RS02615 WP 021036805.1        LTDAQGRTVSFKDSLIIMTSNAGTGKVEASV..GFGAA.....REGRTKSVLGQLGDFFSPEFMNRFDGIIEFSALSKEN   647
NTDB id 346670 EXW54 RS05770 WP 098623757.1   ITDSQGRTVDFKNTVIIMTSNIGSTHLLDGLEA......DGSIKEESRELVMGQLRGHFRPEFLNRVDEIILFKPLTTNE   778
NTDB id 85 BSU 00860 NP 387967.1              LTDSKGRTVDFRNTILIMTSNVGASELKRNKYVGFNVQDETQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEKKH   718
consensus                                     *!!**!!!!*!*****!!!!!*!** *   *  **    *   *** ** !*!*!*  !*!!!*!!*!*!!*!  !**

logo
NTDB id 601 KW2 RS02615 WP 021036805.1        LLKIVDLMLDEVNEQIGRNDIHLSVTQAAKEKLVDLGYNPAMGARPLRRTIQENIEDSIADFYIEHPE..YKQLVADLID   725
NTDB id 346670 EXW54 RS05770 WP 098623757.1   IKGIVDKIVKELQGRLADRHITVELTDSAKEFVVEAGFDPMYGARPLKRYVQRQVETKLARELIAGTITDNSHVVVDVEN   858
NTDB id 85 BSU 00860 NP 387967.1              LTEIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAEEGVDLEYGARPLRRAIQKHVEDRLSEELLRGNIHKGQHIVLDVED   798
consensus                                     *  !!********* **********!**!!***** !*** *!!!!!*! *!***!********* * *    **!*!***

logo
NTDB id 601 KW2 RS02615 WP 021036805.1        DKIVISNQTQETAETTDEEVPAE   748
NTDB id 346670 EXW54 RS05770 WP 098623757.1   NELVVHVK................   866
NTDB id 85 BSU 00860 NP 387967.1              GEFVVKTTAKTN............   810
consensus                                      **!*
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X non conserved

X similar

X ≥ 50% conserved