```
logo
NTDB id 601 KW2 RS02615 WP 021036805.1      ..............MLCQNC.....NINEATIHLYTSVNGQKK.....................................  24
NTDB id 413025 GSN03 RS06075 WP 044741163.1 MDLNQMTTKTQEAIMSAQSLAVSHHHQEVDTVHLLLTLLEQQDGLAVRIFQKMNVDIEALKQGVESLIKKKPSVTGSGAE  80
NTDB id 85 BSU 00860 NP 387967.1            MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIGRGQEMSQT...  77
consensus                                   *     * * *  ****!  **   *****!*!****** * **** *  * * *  * *   ***** *   ** *

logo
NTDB id 601 KW2 RS02615 WP 021036805.1      ..QIDLCQNCYQIMKSG.............GQEALFGAGNASNGNSDEPFNPFNDIFSALQGQDFNGAASNQTPPTQTGG  89
NTDB id 413025 GSN03 RS06075 WP 044741163.1 AGKLYVTGALQQLLVRAGKEAEKLQDDYISIEHVLLAFSEEKGDI.NQLFTRFHITKDNLLQSLMTVRG........N. 149
NTDB id 85 BSU 00860 NP 387967.1            ...IHYTPRAKKVIELSMDEARKLGHSYVGTEHILLGLIREGEGVAARVLNNLGVSLNKARQQVLQLLGSNET.....G. 148
consensus                                     * **    ***  *  ** **   **  ***!**   *  **   *** * **   * ****** *** *     *

logo
NTDB id 601 KW2 RS02615 WP 021036805.1      RGPRGPQNPRAKQPKGMLEEFGINITESARRGEIDPVIGRDEEIKRVIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKI 169
NTDB id 413025 GSN03 RS06075 WP 044741163.1 .QRVTSQNPEA..TYEALEKYGRDLVAEVRAGKIDPVIGRDSEIRRVIRILSRKTKNNPVLIGEPGVGKTAIVEGLAQRI 226
NTDB id 85 BSU 00860 NP 387967.1            .SSAAGTNSNA..NTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVIEVLSRRTKNNPVLIGEPGVGKTAIAEGLAQQI 225
consensus                                       * *!* !      !* ******* ** * *!!!!!!* !!*!!!**!*!*!!!!!!!!!!!!!!!!!!**!!!!!*!

logo
NTDB id 601 KW2 RS02615 WP 021036805.1      VDGDVPQKLQNKEVIRLDVVSLVQGTGIRGQFEERMQKLMDEIRK.RNDVIMFIDEIHEIVGAGSAGDGNMDAGNILKPA 248
NTDB id 413025 GSN03 RS06075 WP 044741163.1 VKKDVPEGLKDRTIFALDMSALVAGAKFRGEFEERLQAVLNEIKKSEGRILLFIDELHTIVGAGKT.EGAMDAGNMLKPM 305
NTDB id 85 BSU 00860 NP 387967.1            INNEVPEILRDKRVMTLDMGTVVAGTKYRGEFEDRLKKVMDEIRQ.AGNIILFIDELHTLIGAGGA.EGAIDASNILKPS 303
consensus                                   *  *!!* !*** ** !!* **!*!***!!*!!*!******!!**  * ***!!!!*!***!!! * *!**!!*!*!!!

logo
NTDB id 601 KW2 RS02615 WP 021036805.1      LARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPSVDETITILRGIQARYEDYHHVKYTDEAIEAAAHLSNRYIQ 327
NTDB id 413025 GSN03 RS06075 WP 044741163.1 LARGELHCIGATTLDEYRKYIEKDPALERRFQQVLAEEPTVEDTISILRGLKERFEIYHGVNIHDRAIVAASVLSDRYIS 385
NTDB id 85 BSU 00860 NP 387967.1            LARGELQCIGATTLDEYRKYIEKDAALERRFQPIQVDQPSVDESIQILQGLRDRYEAHHRVSITDDAIEAAVKLSDRYIS 383
consensus                                   !!!!!!***!!!!!*!!!**!!!!!*!!!!!*!** ***!*!***!*!!*!**!*! *! ! **!*!!*!!  !!*!!!*

logo
NTDB id 601 KW2 RS02615 WP 021036805.1      DRFLPDKAIDLLDESGSKKNLTLKFVDPE..DINRRIADAENKKNE................................. 371
NTDB id 413025 GSN03 RS06075 WP 044741163.1 DRFLPDKAIDLVDEACATIRTEIDSMPTELDEVTRRIMQLEIEEAALGKEKDLGSQERLKVLQRELSDLKEVASGMRAKW 465
NTDB id 85 BSU 00860 NP 387967.1            DRFLPDKAIDLIDEAGSKVRLRSFTTPPNLKELEQKLDEVRKEKDA.......AVQ....................... 432
consensus                                   !!!!!!!!!!!*!!******* * ****** ** *** *** ** *        * *
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logo
NTDB id 601 KW2 RS02615 WP 021036805.1        ATKAEDFEKAAHFRDQISKLRELQKQEV.....................................TDEDMPVITEKDIEQI   415
NTDB id 413025 GSN03 RS06075 WP 044741163.1   EKEKEDIHKVRDLREHLERLRRELEEAEGNYDLNKAAELRHGKIPAIEKELKEAEEMGAHNKQENRLLREEVSEEEIADI   545
NTDB id 85 BSU 00860 NP 387967.1              ...SQEFEKAASLRDTEQRLREQVEDTKKSWK.............................EKQGQENSEVTVDDIAMV   479
consensus                                         ****!** *!* * *!!* ***     *                                 *  *  ******!* *

logo
NTDB id 601 KW2 RS02615 WP 021036805.1        VEQKTQIPVGDLKEKEQTQLINLADDLKAHVIGQDEAVDKISKAIRRSRVGLGKPNRPIGSFLFVGPTGVGKTELAKQLA   495
NTDB id 413025 GSN03 RS06075 WP 044741163.1   VSRWTGIPVAKLVEGEREKLLRLEQILSERVIGQEEAVSLVSDAVLRARAGIKDPNRPIGSFIFLGPTGVGKTELAKTLA   625
NTDB id 85 BSU 00860 NP 387967.1              VSSWTGVPVSKIAQTETDKLLNMENILHSRVIGQDEAVVAVAKAVRRARAGLKDPKRPIGSFIFLGPTGVGKTELARALA   559
consensus                                     !* *!**!!*** * ! **!******!  *!!!!*!!!  ***!**!*!*!***!*!!!!!!*!*!!!!!!!!!!!* !!

logo
NTDB id 601 KW2 RS02615 WP 021036805.1        KELFGSSESMIRFDMSEYMEKHSVAKLIGAPPGYVGYEEAGQLTERVRRNPYSLILLDEIEKAHPDVMHMFLQILEDGRL   575
NTDB id 413025 GSN03 RS06075 WP 044741163.1   QTLFDSEEQMIRIDMSEYMEKHAVSRLIGAPPGYVGYEEGGQLTEAVRRKPYSVILLDEIEKAHPEVFNILLQMLDDGRI   705
NTDB id 85 BSU 00860 NP 387967.1              ESIFGDEESMIRIDMSEYMEKHSTSRLVGSPPGYVGYDEGGQLTEKVRRKPYSVVLLDEIEKAHPDVFNILLQVLEDGRL   639
consensus                                      **!***!*!!!*!!!!!!!!!!*****!*!*!!!!!!!*!*!!!!!*!!!*!!!**!!!!!!!!!!*!****!!*!*!!!*

logo
NTDB id 601 KW2 RS02615 WP 021036805.1        TDAQGRTVSFKDSLIIMTSNAGTGKVEASV..GFGAAR.....EGRTKSVLGQLGDFFSPEFMNRFDGIIEFSALSKENL   648
NTDB id 413025 GSN03 RS06075 WP 044741163.1   TDSQGRTVDFKNTVIIMTSNIGSAHLLEGL......EEDGSIKEESRELVMGQLRGHFRPEFLNRVDEIILFKPLTTNEI   779
NTDB id 85 BSU 00860 NP 387967.1              TDSKGRTVDFRNTILIMTSNVGASELKRNKYVGFNVQDETQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEKKHL   719
consensus                                     !!**!!!!*!*****!!!!!*!** *   *  **   **    ** ** !*!*!*  !*!!!*!!*!*!!*!  !**  *

logo
NTDB id 601 KW2 RS02615 WP 021036805.1        LKIVDLMLDEVNEQIGRNDIHLSVTQAAKEKLVDLGYNPAMGARPLRRTIQENIEDSIADFYIEHPE..YKQLVADLIDD   726
NTDB id 413025 GSN03 RS06075 WP 044741163.1   KGIVDKIVKELQGRLADRHITVELTDAAKEFVVEAGFDPMYGARPLKRYVQRQVETKLARELIAGTITDNSHVVVDVENN   859
NTDB id 85 BSU 00860 NP 387967.1              TEIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAEEGVDLEYGARPLRRAIQKHVEDRLSEELLRGNIHKGQHIVLDVEDG   799
consensus                                       !!******** **********!*!!!***** !*** *!!!!!*! *!***!********* * *    **!*!***

logo
NTDB id 601 KW2 RS02615 WP 021036805.1        KIVISNQTQETAETTDEEVPAE   748
NTDB id 413025 GSN03 RS06075 WP 044741163.1   ELVVHVK................   866
NTDB id 85 BSU 00860 NP 387967.1              EFVVKTTAKTN............   810
consensus                                     **!*
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X non conserved

X similar

X ≥ 50% conserved