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logo
NTDB id 601 KW2 RS02615 WP 021036805.1      ..................................................MLCQNCNINEAT........IHLYTSVNGQKK....   24
NTDB id 610 V4T04 RS10165 WP 012897346.1    MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLLAAMATTSGSIAYSLLAGMNVDSSDLLIDLEDLSSHV.......KVKRS   78
NTDB id 128795 AS86 RS19440 WP 000365378.1 MDLNQ..MTTKTQEAIMSAQSLAVSHHHQEVDTVHLLFTLLEEQDGLAVRIFQKMNVDIEALKQGAESLIKKKPSVTGSGAEVGK   83
NTDB id 85 BSU 00860 NP 387967.1            MMFGR..FTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLI.......GRGQEMSQ   76
consensus                                   * * *  ** * ****  *** **   ** *** *** *** * **** ************ *  ******    ** * ****

logo
NTDB id 601 KW2 RS02615 WP 021036805.1      QIDLCQNCYQIMKSGG.............QEALFGAGNASNGNSDEPFNPFNDIFSA.......LQGQDFNGAASNQTPPTQTGG   89
NTDB id 610 V4T04 RS10165 WP 012897346.1    TLRFSPRAEEVMTAASFLAIHNNSEAVGTEHLLYALLQVEDGFGLQLLKLQKINIVSLRKELEKRTGLKVPESKKAV.TPMSKR.  161
NTDB id 128795 AS86 RS19440 WP 000365378.1 LY.ITGALQQLFVRAGKEAEKLQDDYISVEHVLLAFSEEKGDI.NQLFTRFHITKDNLLQSLMTVRG................N.  149
NTDB id 85 BSU 00860 NP 387967.1            TIHYTPRAKKVIELSMDEARKLGHSYVGTEHILLGLIREGEGVAARVLNNLGVSLNKARQQVLQLLGSN............ETG.  148
consensus                                   **  **** ***  ** ** *** *******!****** **** ** * * ***  *** ** * !           *  **

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NTDB id 601 KW2 RS02615 WP 021036805.1      RGPRGPQNPRAKQPKGMLEEFGINITESARRGEIDPVIGRDEEIKRVIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDV  174
NTDB id 610 V4T04 RS10165 WP 012897346.1    .KMAKGVAEN..STTPTLDSVSSDLTEEARLGKLDPMIGREAEIDRLIHILSRRTKNNPVLVGEPGVGKSAIIEGLAQRIVNGQV  243
NTDB id 128795 AS86 RS19440 WP 000365378.1 .QRVTSQNPE..ATYEALEKYGRDLVAEVRAGKIDPVIGRDSEIRRVIRILSRKTKNNPVLIGEPGVGKTAIVEGLAQRIVKKDV  231
NTDB id 85 BSU 00860 NP 387967.1            .SSAAGTNSN..ANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVIEVLSRRTKNNPVLIGEPGVGKTAIAEGLAQQIINNEV  230
consensus                                      *******  *****!** ***** *** ***!!*!!!* !!*!*!**!*!*!!!!!!!*!!!!!!!*!**!!!!!*!****!

logo
NTDB id 601 KW2 RS02615 WP 021036805.1      PQKLQNKEVIRLDVVSLVQGTGIRGQFEERMQKLMDEIRK.RNDVIMFIDEIHEIVGAGSAGDGNMDAGNILKPALARGELQLVG  258
NTDB id 610 V4T04 RS10165 WP 012897346.1    PIGLMNSRIMALNMATVVAGTKFRGEFEDRLTAIVEEVSS.DPDVIIFIDELHTIIGAGGGMDSVNDAANILKPALARGDFQMVG  327
NTDB id 128795 AS86 RS19440 WP 000365378.1 PEGLKDRTIFALDMSALVAGAKFRGEFEERLQAVLNEIKKSEGRILLFIDELHTIVGAGKT.EGAMDAGNMLKPMLARGELHCIG  315
NTDB id 85 BSU 00860 NP 387967.1            PEILRDKRVMTLDMGTVVAGTKYRGEFEDRLKKVMDEIRQ.AGNILFIDELHTLIGAGGA.EGAIDASNILKPSLARGELQCIG  313
consensus                                   !**!* *****!*****!*!***!!*!!*!** ***!*** ******!!!!*!***!!!** ****!!*!*!!!*!!!!*****!

logo
NTDB id 601 KW2 RS02615 WP 021036805.1      ATTLNEYR.IIEKDAALERRMQPVKVDEPSVDETITILRGIQARYEDYHHVKYTDEAIEAAAHLSNRYIQDRFLPDKAIDLLDES  342
NTDB id 610 V4T04 RS10165 WP 012897346.1    ATTYHEYQKYIEKDEALERRLARINVDEPSPDEAIAILQGLREKFEDYHQVKFTDQAIKSAVMLSVRYMTSRKLPDKAIDLLDEA  412
NTDB id 128795 AS86 RS19440 WP 000365378.1 ATTLDEYRKYIEKDPALERRFQQVLAEEPTVEDTISILRGLKERFEIYHGVNIHDRAIVAASVLSDRYISDRFLPDKAIDLVDEA  400
NTDB id 85 BSU 00860 NP 387967.1            ATTLDEYRKYIEKDAALERRFQPIQVDQPSVDESIQILQGLRDRYEAHHRVSITDDAIEAAVKLSDRYISDRFLPDKAIDLIDEA  398
consensus                                   !!!**!!***!!!!*!!!!!*****!***!*****!*!! !*****!**! !***!*!!**!**!!*!!***!*!!!!!!!!*!!*

logo
NTDB id 601 KW2 RS02615 WP 021036805.1      GSKKNLTLKFVDPE..DINRRIADAENKKNEAT.................................KAEDFEKAAHFRDQISKL  391
NTDB id 610 V4T04 RS10165 WP 012897346.1    AAAVKISVKNQQTKRLDLEKELAEAQEELSEA.......V....I.......................KLDIKASRTKEKAVE..  461
NTDB id 128795 AS86 RS19440 WP 000365378.1 CATIRTEIDSMPTELDEVTRRIMQLEIEEAALGKETDRGSQERLKTLQRELSDLKEVASGMRAKWEKEKEDIHKVRDLREHLERL  485
NTDB id 85 BSU 00860 NP 387967.1            GSKVRLRSFTTPPNLKELEQKLDEVRKEKDAA.......V..........................QSQEFEKAASLRDTEQRL  449
consensus                                   * ************ ********** **   *        *                            *** *** **** ****
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logo
NTDB id 601 KW2 RS02615 WP 021036805.1      RELQKQ.....................................EVTDEDMPVITEKDIEQIVEQKTQIPVGDLKEKEQTQLINLAD   440
NTDB id 610 V4T04 RS10165 WP 012897346.1    ..KI..ADKIYKF..............................SVKEDKRQEVTDQAVVAVASTLTGVPITQMTKSESDRLINLEK   513
NTDB id 128795 AS86 RS19440 WP 000365378.1  RRELEEAEGNYDLNKAAELRHGKIPAIEKELKEAEEMGAHNKQENRLLREEVSEEEIADIVSRWTGIPVAKLVEGEREKLLRLEQ   570
NTDB id 85 BSU 00860 NP 387967.1            REQVEDTKKSWK...............................EKQGQENSEVTVDDIAMVVSSWTGVPVSKIAQTEIDKLLNMEN   504
consensus                                   ** ****** **                               ******* ******** *****!**!* ** **!***!*****

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NTDB id 601 KW2 RS02615 WP 021036805.1      DLKAHVIGQDEAVDKISKAIRRSRVGLGKPNRPIGSFLFVGPTGVGKTELAKQLAKELFGSSESMIRFDMSEYMEKHSVAKLIGA   525
NTDB id 610 V4T04 RS10165 WP 012897346.1    ELHKRVVGQEEAISAVSRAIRRARSGVADSRRPMGSFMFLGPTGVGKTELAKALADSVFGSEDNMIRVDMSEFMEKHSTSRLIGA   598
NTDB id 128795 AS86 RS19440 WP 000365378.1  ILSERVIGQEEAVSLVSDAVLRARAGIKDPNRPIGSFIFLGPTGVGKTELAKTLAQSLFDSEEQMIRIDMSEYMEKHAVSRLIGA   655
NTDB id 85 BSU 00860 NP 387967.1            ILHSRVIGQDEAVVAVAKAVRRARAGLKDPKRPIGSFIFLGPTGVGKTELARALAESIFGDEESMIRIDMSEYMEKHSTSRLVGS   589
consensus                                   *!* *!*!!*!!******!**!*!*!*****!!*!!!*!*!!!!!!!!!!**!!***!*****!!!*!!!!*!!!!* **!*!*

logo
NTDB id 601 KW2 RS02615 WP 021036805.1      PPGYVGYEEAGQLTERVRRNPYSLILLDEIEKAHPDVMHMFLQILEDGRLTDAQGRTVSFKDSLIIMTSNAGTGKVEA..SVGFG   608
NTDB id 610 V4T04 RS10165 WP 012897346.1    PPGYVGYDEGGQLTERVRNKPYSVVLLDEVEKAHPDVFNIMLQILDDGFVTDTKGRKVDFRNTIIIMTSNLGATALRDDKTVGFG   683
NTDB id 128795 AS86 RS19440 WP 000365378.1  PPGYVGYEEGGQLTEAVRRKPYSVILLDEIEKAHPEVFNILLQMLDDGRITDSQGRTVDFKNTVIIMTSNIGSAHLLDGL.....   735
NTDB id 85 BSU 00860 NP 387967.1            PPGYVGYDEGGQLTEKVRRKPYSVVLLDEIEKAHPDVFNILLQVLEDGRLTDSKGRTVDFRNTILIMTSNVGASELKRNKYVGFN   674
consensus                                   !!!!!!!*!*!!!!!*!!**!!!**!!!!*!!!!!*!****!!*!*!!**!!* !!*!*!*****!!!!!*!*  *** ******

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NTDB id 601 KW2 RS02615 WP 021036805.1      AAREGR.....TKSVLGQLGDFFSPEFMNRFDGIIEFSALSKENLLKIVDLMLDEVNEQIGRNDIHLSVTQAAKEKLVDLGYNPA   688
NTDB id 610 V4T04 RS10165 WP 012897346.1    AKNITADYSAMKSRILEELKRHYRPEFLNRIDENIVFHSLESQEIEQIVKIMSKSLIKRLAEQDIHVKLTPSAVKLIAEVGFDPE   768
NTDB id 128795 AS86 RS19440 WP 000365378.1  .EEDGSIKEESRDLVMGQLRGHFRPEFLNRVDEIILFKPLTTNEIKGIVDKIVKELQGRLADRHITVELTDAAKEFVVEAGFDPM   819
NTDB id 85 BSU 00860 NP 387967.1            VQDETQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEKKHLTEIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAEEGVDLE   759
consensus                                   * **      ******** !*****!!!*!!*!**!*!**!*****  !!**** ***************!**!**** **!****

logo
NTDB id 601 KW2 RS02615 WP 021036805.1      MGARPLRRTIQENIEDSIADFYIEHPE..YKQLVADLIDDKIVISNQTQETAETTDEEVPAE   748
NTDB id 610 V4T04 RS10165 WP 012897346.1    YGARPLRKALQKEVEDLLSEQLLSGEIKAGNHVSIGASNKKIKIAQIV...............   816
NTDB id 128795 AS86 RS19440 WP 000365378.1  YGARPLKRYVQRQVETKLARELIAGTITDNSHVVVDVENNELVVHVK................   866
NTDB id 85 BSU 00860 NP 387967.1            YGARPLRRAIQKHVEDRLSEELLRGNIHKGQHIVLDVEDGEFVVKTTAKTN...........   810
consensus                                   *!!!!!****!***!*** **** * *  *********    *** *
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X non conserved

X similar

X ≥50% conserved