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logo
NTDB id 1323 RAOC RS07335 WP 004916218.1     .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA   78
NTDB id 1271 LPP RS03220 WP 011213198.1      MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 1248 GC085 RS03150 WP 011213198.1    MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 1387 A4U84 RS06900 WP 020457569.1    MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPARRITINLAPADLPKEGGR   80
NTDB id 1349 HI 1117 AAC22771.1              MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPAKRITVNLAPADLPKEGGR   80
NTDB id 88938 OCU46 RS13760 WP 141273309.1  MGLAIVHSRASLGVSAPPVTVEVHIGPGMPGFHLVGLAETSVKESKDRVRSAILNSKFLFPSRKITVNLAPADLPKDGGR   80
NTDB id 1397 DSB67 RS15690 WP 005535577.1   MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGR   80
NTDB id 1153 A1552VC RS00115 WP 000521788.1 MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPAKRITVNLAPADLPKEGGR   80
consensus                                   * !*** *****!* !* ***!!****!******!!!****!!***!***!**!***  *!***!!*!**!!*!*!*!**

logo
NTDB id 1323 RAOC RS07335 WP 004916218.1     YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREEGFKGIILPKQNTREAAIVNDLEVYGVEN  158
NTDB id 1271 LPP RS03220 WP 011213198.1      FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHK.DNQHLIIANANAAEASLTGHQKVFTANN  159
NTDB id 1248 GC085 RS03150 WP 011213198.1    FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHK.DNQHLIIANANAAEASLTGHQKVFTANN  159
NTDB id 1387 A4U84 RS06900 WP 020457569.1    FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASK.AKREIIVPQQNANEVSLVSNTQTYCAST  159
NTDB id 1349 HI 1117 AAC22771.1              FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQK.SKRELIIAKQNANEASLVSDQNTYFAQT  159
NTDB id 88938 OCU46 RS13760 WP 141273309.1  FDLPIAIGILVASEQIPLEKLSDTELLGELALSGELRPVKGVISAAIASND.NRRTLITPYQNAKQVRLVDEQSNLSARS  159
NTDB id 1397 DSB67 RS15690 WP 005535577.1   FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANK.KQRHLVVPHANGDQAALVGKEQHKSAQS  159
NTDB id 1153 A1552VC RS00115 WP 000521788.1 FDLPIALGILAASDQIARNKLESYEFIGELALSGETRGVKGVLPAALAANQ.VERCLVVPHSNGDQAALVGVERHKSAQS  159
consensus                                   *!!*!!*!!!*!!*!*    *   ****!!*!*! **** ***** *** *   * ****  !* ** **     *****

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NTDB id 1323 RAOC RS07335 WP 004916218.1     IKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTMLAKRIPSIL  238
NTDB id 1271 LPP RS03220 WP 011213198.1      LREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRFSTLL  235
NTDB id 1248 GC085 RS03150 WP 011213198.1    LREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRFSTLL  235
NTDB id 1387 A4U84 RS06900 WP 020457569.1    LLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTMLASRLADLL  238
NTDB id 1349 HI 1117 AAC22771.1              LLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLASRLTGLL  239
NTDB id 88938 OCU46 RS13760 WP 141273309.1  LLQVAAYLASQQQLDLECEPELS....TYSESELDMQDIIGQQQGKRALEIAAAGQHNLLFIGPPGTGKTMLASRLPDLI  235
NTDB id 1397 DSB67 RS15690 WP 005535577.1   LLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL  235
NTDB id 1153 A1552VC RS00115 WP 000521788.1 LLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL  235
consensus                                   ***!  **  *  ! *                  !*****!!* *!*!* *!!*!*!*****!*!!*!!!!*!*!*   **

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NTDB id 1323 RAOC RS07335 WP 004916218.1     PPLTLKEALETTKTHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEFKRTVLEV  318
NTDB id 1271 LPP RS03220 WP 011213198.1      PELSETQALECAAINSIRGKLPD.FREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLET  314
NTDB id 1248 GC085 RS03150 WP 011213198.1    PELSETQALECAAINSIRGKLPD.FREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLET  314
NTDB id 1387 A4U84 RS06900 WP 020457569.1    PEMEDDEAIETASVTSLVQNELN.FQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEFERKVLDA  317
NTDB id 1349 HI 1117 AAC22771.1              PEMTDLEAIETASVTSLVQNELN.FHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEFERKVLDA  318
NTDB id 88938 OCU46 RS13760 WP 141273309.1  PPMSKQEALEVASVASLVGSDLD.SATWRKRPFRAPHHSSSMVALVGGGSFPKPGEISLAHNGILFLDELVEFEKRVLDA  314
NTDB id 1397 DSB67 RS15690 WP 005535577.1   PEMSDEEAMETASVASLTQSEIN.EHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFDRKVLDS  314
NTDB id 1153 A1552VC RS00115 WP 000521788.1 PEMSDEEAMETASIASLTQQEIN.QHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFERKVLDS  314
consensus                                   !**** *!*!**** !*   **     ** *!!!*!!!* !**!!!!!!* !*!!!!!!!**!*!!!!!**!!***!!*
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1     MRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDP.NNTSSSFEMQRYLNKLSGPLLDRIDIHIEVQKVEFD   397
NTDB id 1271 LPP RS03220 WP 011213198.1     LREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQE   394
NTDB id 1248 GC085 RS03150 WP 011213198.1   LREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQE   394
NTDB id 1387 A4U84 RS06900 WP 020457569.1   LRQPLESGEIISRANAKVQFPACFQLIAAMNPSPTGHYQGTH..NRTSPQQLMRYLNRLSGPFLDRFDLSIEVPLLPQG   395
NTDB id 1349 HI 1117 AAC22771.1             LRQPLESGEIISRANAKIQFPARFQLVAAMNPSPTGHYTGTH..NRTSPQQIMRYLNRLSGPFLDRFDLSIEVPLLPQG   396
NTDB id 88938 OCU46 RS13760 WP 141273309.1 LREPLEAGQVAISRASGKTSFPARFQLIGALNPSPSGFYQGSQ..CQHTPQAILKYLGRISGPFLDRFDMSVEIPLLPLG   392
NTDB id 1397 DSB67 RS15690 WP 005535577.1   LREPLESGEIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQ..ARTNPQAILRYLGRLSGPLLDRFDMSLEIPALPKG   392
NTDB id 1153 A1552VC RS00115 WP 000521788.1 LREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQ..ARANPQSILRYLSRLSGPLLDRFDMSIEIPALPKG   392
consensus                                   *!*!!!**** !!!! *** *!!*!*****!!*!*! * ***     *** **** **!*!*!!!*!****** ** *

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NTDB id 1323 RA0C RS07335 WP 004916218.1     QLSD..KRKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSARAYDRILK   475
NTDB id 1271 LPP RS03220 WP 011213198.1     ELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYHRLLK   470
NTDB id 1248 GC085 RS03150 WP 011213198.1   ELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYHRLLK   470
NTDB id 1387 A4U84 RS06900 WP 020457569.1   ALQNNTDQRGETTEQARKRVLEARHLQFNRRG....KINAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRAYHRILK   471
NTDB id 1349 HI 1117 AAC22771.1             SLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRILK   471
NTDB id 88938 OCU46 RS13760 WP 141273309.1 TLSEG.GDRGETTEDCRKRVSIARETMLARAN....KPNALLTNKEIEWHCSLVKEDAEFLEFAIARLGLSIRAYHRIIR   467
NTDB id 1397 DSB67 RS15690 WP 005535577.1   TLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRAYHRIIK   467
NTDB id 1153 A1552VC RS00115 WP 000521788.1 TLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIIK   467
consensus                                    !      *****  ** *!  *******!      **!! * ****!  ! !   ** *** ** *!*!!*!*!*!***

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1     VSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV......   510
NTDB id 1271 LPP RS03220 WP 011213198.1     VSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK........   503
NTDB id 1248 GC085 RS03150 WP 011213198.1   VSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK........   503
NTDB id 1387 A4U84 RS06900 WP 020457569.1   VSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES..   510
NTDB id 1349 HI 1117 AAC22771.1             VSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM...   509
NTDB id 88938 OCU46 RS13760 WP 141273309.1 VARTIADLEQSESIQKHHLSEALGYRSMDRLLRSLHQQIAG   508
NTDB id 1397 DSB67 RS15690 WP 005535577.1   VARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV.   507
NTDB id 1153 A1552VC RS00115 WP 000521788.1 VARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV.   507
consensus                                   !*!!!!!*     **    !***!**!* ****** *
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X non conserved

X similar

X $\geq$ 50% conserved