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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1          .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA   78
NTDB id 1106914 ACLKM5 RS00985 WP 411687585.1    MSFAKIYTRGLLGLNAPSIEVEVHLSQGLPSLTIVGLAEAAVRESKDRVRSAIINSGFQFPTKRLTINLAPADLPKDGSR   80
NTDB id 1271 LPP RS03220 WP 011213198.1          MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 1248 GC085 RS03150 WP 011213198.1        MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 1397 DSB67 RS15690 WP 005535577.1        MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGR   80
NTDB id 1153 A1552VC RS00115 WP 000521788.1      MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPAKRITVNLAPADLPKEGGR   80
NTDB id 1387 A4U84 RS06900 WP 020457569.1        MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPARRITINLAPADLPKEGGR   80
NTDB id 1349 HI 1117 AAC22771.1                  MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPAKRITVNLAPADLPKEGGR   80
consensus                                        **** * *****!* !* ***!!****!******!!!**  **!***!***!**!*** *!****!*!**!!*!*!*! *

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1          YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREEGFKGIILPKQNTREAAIVNDLEVYGVEN   158
NTDB id 1106914 ACLKM5 RS00985 WP 411687585.1    LDLPIALGILIASGQLPEQAAENLEFIGELALDGQLRPVTGTLSIAIACQAAG.HQLVLPEPNAQEAAQLPDFQVFAASH   159
NTDB id 1271 LPP RS03220 WP 011213198.1          FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKDN.QHLIIANANAAEASLTGHQKVFTANN   159
NTDB id 1248 GC085 RS03150 WP 011213198.1        FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKDN.QHLIIANANAAEASLTGHQKVFTANN   159
NTDB id 1397 DSB67 RS15690 WP 005535577.1        FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANKKQ.RHLVVPHANGDQAALVGKEQHKSAQS   159
NTDB id 1153 A1552VC RS00115 WP 000521788.1      FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQVE.RCLVVPHSNGDQAALVGVERHKSAQS   159
NTDB id 1387 A4U84 RS06900 WP 020457569.1        FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASKAK.REIIVPQQNANEVSLVSNTQTYCAST   159
NTDB id 1349 HI 1117 AAC22771.1                  FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQKSK.RELIIAKQNANEASLVSDQNTYFAQT   159
consensus                                        *!!*!!*!!!*!!*!*    * * ****!!*!*! **** ***** *** *   * ****  !* ** **     * **

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NTDB id 1323 RA0C RS07335 WP 004916218.1          IKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTMLAKRIPSIL   238
NTDB id 1106914 ACLKM5 RS00985 WP 411687585.1    LKQVCEHLAQAAPLQPFAASSET....RLERYAFDLADVKGQLRPRRALEIAAAGGHSLLFKGPPGTGKTLLASRLASIL   235
NTDB id 1271 LPP RS03220 WP 011213198.1          LREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRFSTLL   235
NTDB id 1248 GC085 RS03150 WP 011213198.1        LREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRFSTLL   235
NTDB id 1397 DSB67 RS15690 WP 005535577.1        LLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL   235
NTDB id 1153 A1552VC RS00115 WP 000521788.1      LLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL   235
NTDB id 1387 A4U84 RS06900 WP 020457569.1        LLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTMLASRLADLL   238
NTDB id 1349 HI 1117 AAC22771.1                  LLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLASRLTGLL   239
consensus                                        *  *!* **      !              *      !**** !!* ***!* *!!*! !*****!*!!*!!!**!*!*   *!

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NTDB id 1323 RA0C RS07335 WP 004916218.1          PPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEFKRTVLEV   318
NTDB id 1106914 ACLKM5 RS00985 WP 411687585.1    PPLNMQKNLEVASIYSIANT....PHRFGQRPFRAPHHTASAIALVGGGSHPKPGEITLAHLGVLFLDELPEFDRKVLEV   311
NTDB id 1271 LPP RS03220 WP 011213198.1          PELSETQALECAAINSIRGKLPD.FREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLET   314
NTDB id 1248 GC085 RS03150 WP 011213198.1        PELSETQALECAAINSIRGKLPD.FREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLET   314
NTDB id 1397 DSB67 RS15690 WP 005535577.1        PEMSDEEAMETASVASLTQSEIN.EHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFDRKVLDS   314
NTDB id 1153 A1552VC RS00115 WP 000521788.1      PEMSDEEAMETASIASLTQQEIN.QHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFERKVLDS   314
NTDB id 1387 A4U84 RS06900 WP 020457569.1        PEMEDDEAIETASVTSLVQNELN.FQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEFERKVLDA   317
NTDB id 1349 HI 1117 AAC22771.1                  PEMTDLEAIETASVTSLVQNELN.FHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEFERKVLDA   318
consensus                                        !**** ***!**** !* *        ** *!!!*!!!**! *!!!!!!* !*!!!!*!!**!*!!!!!*!!!*!*!!*
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NTDB id 1323 RA0C RS07335 WP 004916218.1        MRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHIEVQKVEFD   397
NTDB id 1106914 ACLKM5 RS00985 WP 411687585.1  LRQPLESKEIVISRASRQITFPASFQLIAAMNPCPCGYAFNQDIRCQCSAESIKRYQNRISGPLLDRIDLHIDVPPLQAH   391
NTDB id 1271 LPP RS03220 WP 011213198.1        LREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQE   394
NTDB id 1248 GC085 RS03150 WP 011213198.1      LREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQE   394
NTDB id 1397 DSB67 RS15690 WP 005535577.1      LREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLDRFDMSLEIPALPKG   392
NTDB id 1153 A1552VC RS00115 WP 000521788.1    LREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDMSIEIPALPKG   392
NTDB id 1387 A4U84 RS06900 WP 020457569.1      LRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPFLDRFDLSIEVPLLPQG   395
NTDB id 1349 HI 1117 AAC22771.1                LRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPFLDRFDLSIEVPLLPQG   396
consensus                                      *! !!!****!!!! * * *!!*!*****!!*!*! *  *  *   **  * !!* **!*!*!!! !* **** *

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NTDB id 1323 RA0C RS07335 WP 004916218.1        QLSDKR..KGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSARAYDRILK   475
NTDB id 1106914 ACLKM5 RS00985 WP 411687585.1  ELHDKT..AVENSDTVRQRVIQAYERQMQRQGM....LNMNLSPKQLEQFAALATPAQNMMDLAQQRLNLSARAYHRVLR   465
NTDB id 1271 LPP RS03220 WP 011213198.1        ELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYHRLLK   470
NTDB id 1248 GC085 RS03150 WP 011213198.1      ELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYHRLLK   470
NTDB id 1397 DSB67 RS15690 WP 005535577.1      TLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRAYHRIIK   467
NTDB id 1153 A1552VC RS00115 WP 000521788.1    TLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIIK   467
NTDB id 1387 A4U84 RS06900 WP 020457569.1      ALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRAYHRILK   471
NTDB id 1349 HI 1117 AAC22771.1                SLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRILK   471
consensus                                       !      *** *  ** *!  ****** ! *     *!*** ****!  * !   *  *** ** *! !! !*!*!***

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NTDB id 1323 RA0C RS07335 WP 004916218.1        VSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1106914 ACLKM5 RS00985 WP 411687585.1  VARSIADLAESSEIQTAHLSEALSYRAQSSP.........   496
NTDB id 1271 LPP RS03220 WP 011213198.1        VSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1      VSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1397 DSB67 RS15690 WP 005535577.1      VARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1153 A1552VC RS00115 WP 000521788.1    VARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1387 A4U84 RS06900 WP 020457569.1      VSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
NTDB id 1349 HI 1117 AAC22771.1                VSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
consensus                                      !*!*!!!*     **    !***!* !*** **    *
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X non conserved

X similar

X $\geq$ 50% conserved