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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA   78
NTDB id 1018002 ABZS47 RS03095 WP 003657715.1  MSFAKVFTRSVVGLQAPQVFVEVHLSQGLPALTIVGLPEASVRESKDRVRSALINSGYEFPNRRLTINLAPADLPKDGAR   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                                      **** * *****!* !* ***!!****!*****!!!** ***!***!***!**!*****!****!*!**!!*!*!*!**

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NTDB id 1323 RA0C RS07335 WP 004916218.1        YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAR....EEGFKGIILPKQNTREAAIVNDLEVY  154
NTDB id 1018002 ABZS47 RS03095 WP 003657715.1  LDLPIAMGILAASGQIDDKVLAQFEFVGELALNGELRPVSGALAIARAIKSSPCDGKPRTLIMPSINADEAVKVGDMTVL  160
NTDB id 1271 LPP RS03220 WP 011213198.1        FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAA.....HKDNQHLIIANANAAEASLTGHQKVF  155
NTDB id 1248 GC085 RS03150 WP 011213198.1      FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAA.....HKDNQHLIIANANAAEASLTGHQKVF  155
NTDB id 1397 DSB67 RS15690 WP 005535577.1      FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAA.....NKKQRHLVVPHANGDQAALVGKEQHK  155
NTDB id 1153 A1552VC RS00115 WP 000521788.1    FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAA.....NQVERCLVVPHSNGDQAALVGVERHK  155
NTDB id 1387 A4U84 RS06900 WP 020457569.1      FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAA.....SKAKREIIVPQQNANEVSLVSNTQTY  155
NTDB id 1349 HI 1117 AAC22771.1                FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAA.....QKSKRELIIAKQNANEASLVSDQNTY  155
consensus                                      *!!*!!*!!!!!!!*!*     * ******!!*!*! **** ***** ***      *  * ****  !* ** ***    *

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        GVENIKEVIDFFNENCPLEPTKV....NTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTML  230
NTDB id 1018002 ABZS47 RS03095 WP 003657715.1  AAENLETVCRHLDVVSGISQNQEHLLSPVTLPSQPQVMQYAYDLADVKGQHHARRALEIAAAGGHSLLFTGSPGSGKTLM  240
NTDB id 1271 LPP RS03220 WP 011213198.1        TANNLREVCDYLCQGTSLQSLP....PKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMM  227
NTDB id 1248 GC085 RS03150 WP 011213198.1      TANNLREVCDYLCQGTSLQSLP....PKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMM  227
NTDB id 1397 DSB67 RS15690 WP 005535577.1      SAGSLLEVCAELCGQHQLNLYQ....TPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTML  227
NTDB id 1153 A1552VC RS00115 WP 000521788.1    SAGSLLEVCADLCGQQTLSLFQ....SSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTML  227
NTDB id 1387 A4U84 RS06900 WP 020457569.1      CASTLLQVVNFLNNRDQLPIAQ....QLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTML  230
NTDB id 1349 HI 1117 AAC22771.1                FAQTLLDVVQFLNGQEKLPLAT....EIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTML  231
consensus                                       **  *  *!*  **     *                    *     !**** !!*****!* *!!*! !*****!*!!*!!!**

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        AKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPE  310
NTDB id 1018002 ABZS47 RS03095 WP 003657715.1  ASRLPSILPPLTDAETLEVASIYSIAGVNYA....FGERPFRAVHHTISATALVGGGSKPKPGEISLAHKGAIFLDEIPE  316
NTDB id 1271 LPP RS03220 WP 011213198.1        AKRFSTLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPE  306
NTDB id 1248 GC085 RS03150 WP 011213198.1      AKRFSTLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPE  306
NTDB id 1397 DSB67 RS15690 WP 005535577.1      ASRLCDLLPEMSDEEAMETASVASLTQSEINE.HNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPE  306
NTDB id 1153 A1552VC RS00115 WP 000521788.1    ASRLCDLLPEMSDEEAMETASIASLTQQEINQ.HNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPE  306
NTDB id 1387 A4U84 RS06900 WP 020457569.1      ASRLADLLPEMEDDEAIETASVTSLVQNELNF.QNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPE  309
NTDB id 1349 HI 1117 AAC22771.1                ASRLTGLLPEMTDLEAIETASVTSLVQNELNF.HNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPE  310
consensus                                      !*!*  *!!**** ***!**** !*          ** *!!!**!!* !  !!!!!!* !*!!!!!!!**!**!!!!*!!
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        FKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHI   389
NTDB id 1018002 ABZS47 RS03095 WP 003657715.1  FDRKTLETLRQPIESKQITISRANAQVSFPADFQLIAAMNPCPCGYYGDTTNRCRCRPEQIKKYQDKLSGPLLDRIDLHI   396
NTDB id 1271 LPP RS03220 WP 011213198.1         FNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQV   386
NTDB id 1248 GC085 RS03150 WP 011213198.1       FNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQV   386
NTDB id 1397 DSB67 RS15690 WP 005535577.1       FDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLDRFDMSL   384
NTDB id 1153 A1552VC RS00115 WP 000521788.1    FERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDMSI   384
NTDB id 1387 A4U84 RS06900 WP 020457569.1       FERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPFLDRFDLSI   387
NTDB id 1349 HI 1117 AAC22771.1                 FERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPFLDRFDLSI   388
consensus                                       !*!**!***! !*!**** !!!!** * *!!*!******!!*!*! *  *  *   **  * *!* *!!*!*!!! !* *

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NTDB id 1323 RA0C RS07335 WP 004916218.1        EVQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSA   467
NTDB id 1018002 ABZS47 RS03095 WP 003657715.1  TVPALPIEDLQNA..PKGESSDDVRQRVVAARNMAIARQGK....ANYELTVNELDQFAILGQKEQQMLKMAQSKLNLSA   470
NTDB id 1271 LPP RS03220 WP 011213198.1         TIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSA   462
NTDB id 1248 GC085 RS03150 WP 011213198.1       TIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSA   462
NTDB id 1397 DSB67 RS15690 WP 005535577.1       EIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLENALHRLGLSI   459
NTDB id 1153 A1552VC RS00115 WP 000521788.1    EIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLESALHRLGLSI   459
NTDB id 1387 A4U84 RS06900 WP 020457569.1       EVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLENALTKLGLSV   463
NTDB id 1349 HI 1117 AAC22771.1                 EVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSV   463
consensus                                       ******   !      *****  ** *!  *******! **    *!* * *****  * !   *  **  ** *! !!

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        RAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1018002 ABZS47 RS03095 WP 003657715.1  RSYHRILRVARTIADLAASEHIKTAHVAEALSYR...............   504
NTDB id 1271 LPP RS03220 WP 011213198.1         RGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1       RGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1397 DSB67 RS15690 WP 005535577.1       RAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1153 A1552VC RS00115 WP 000521788.1    RAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1387 A4U84 RS06900 WP 020457569.1       RAYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
NTDB id 1349 HI 1117 AAC22771.1                 RAYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
consensus                                       !*!*!***!*!!!!!* *  **   !***!* !* * **   *
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X non conserved

X similar

X $\geq$ 50% conserved