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logo
NTDB id 1323 RA0C 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 339258 EKL02 RS02630 WP 128900588.1  MSLAVLKSRALTGMQAQEVTVEVHLANGLPSFTIVGLPDTEVKEARDRVRAALQNGRFEFPARRITVNLAPADLPKESGR    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.....EEGFKGIILPKQNTREAAIVNDLEV   153
NTDB id 1271 LPP RS03220 WP 011213198.1       FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLA......AHKDNQHLIIANANAAEASLTGHQKV   154
NTDB id 1248 GC085 RS03150 WP 011213198.1     FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLA......AHKDNQHLIIANANAAEASLTGHQKV   154
NTDB id 339258 EKL02 RS02630 WP 128900588.1  FDLPIALGILAASGQIPADELDRYEFAGELSLSGELRPIRGALAMTYAMRNSSAAAGRQRAFILPQANAAEAALVMDAAI   160
NTDB id 1397 DSB67 RS15690 WP 005535577.1    FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALA......ANKKQRHLVVPHANGDQAALVGKEQH   154
NTDB id 1153 A1552VC RS00115 WP 000521788.1  FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALA......ANQVERCLVVPHSNGDQAALVGVERH   154
NTDB id 1387 A4U84 RS06900 WP 020457569.1    FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLA......ASKAKREIIVPQQNANEVSLVSNTQT   154
NTDB id 1349 HI 1117 AAC22771.1               FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILA......AQKSKRELIIAKQNANEASLVSDQNT   154
consensus                                     *!!*!!*!!!!!!*!*    *  *****!!*!*! **** ***** **      * *  * ****  !* **  **

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NTDB id 1323 RA0C RS07335 WP 004916218.1      YGVENIKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTMLAKR   233
NTDB id 1271 LPP RS03220 WP 011213198.1       FTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKR   230
NTDB id 1248 GC085 RS03150 WP 011213198.1     FTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKR   230
NTDB id 339258 EKL02 RS02630 WP 128900588.1  LPATSLQQVCAHFAAPQGDDRLARHHAAAATQTALPRYPDFAEVKGQLHAKRALEVAAAGGHSILMVGPPGTGKSMLAAR   240
NTDB id 1397 DSB67 RS15690 WP 005535577.1    KSAQSLLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASR   230
NTDB id 1153 A1552VC RS00115 WP 000521788.1  KSAQSLLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASR   230
NTDB id 1387 A4U84 RS06900 WP 020457569.1    YCASTLLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTMLASR   233
NTDB id 1349 HI 1117 AAC22771.1               YFAQTLLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLASR   234
consensus                                     *  **** *!* **      *                    ! *** !!***!*!* *!!*! !*** *!*!!*!!*!*! !

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NTDB id 1323 RA0C RS07335 WP 004916218.1      IPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEFKR   313
NTDB id 1271 LPP RS03220 WP 011213198.1       FSTLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNR   309
NTDB id 1248 GC085 RS03150 WP 011213198.1     FSTLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNR   309
NTDB id 339258 EKL02 RS02630 WP 128900588.1  FPGILPPMSDEEALESAAVQSLTG.VFAA.ANWKTRPFRAPHHTASGVALVGGGGNPRPGEISLAHRGVLFLDEMPEFDR   318
NTDB id 1397 DSB67 RS15690 WP 005535577.1    LCDLLPEMSDEEAMETASVASLTQSEINE.HNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFDR   309
NTDB id 1153 A1552VC RS00115 WP 000521788.1  LCDLLPEMSDEEAMETASIASLTQQEINQ.HNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFER   309
NTDB id 1387 A4U84 RS06900 WP 020457569.1    LADLLPEMEDDEAIETASVTSLVQNELNF.QNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEFER   312
NTDB id 1349 HI 1117 AAC22771.1               LTGLLPEMTDLEAIETASVTSLVQNELNF.HNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEFER   313
consensus                                     *  *!!**** *!*!** * !*         *** *!!!*!!!**! *!!!!!!* !*!!!!!!!**!*!!!!!*!!!*!
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NTDB id 1323 RA0C RS07335 WP 004916218.1      TVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPN.NTSSSFEMQRYLNKLSGPLLDRIDIHIEVQ   392
NTDB id 1271 LPP RS03220 WP 011213198.1       QVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIH   389
NTDB id 1248 GC085 RS03150 WP 011213198.1     QVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIH   389
NTDB id 339258 EKL02 RS02630 WP 128900588.1  RVLEVLREPLESGHITISRAARQADFPARFQLVAAMNPCPCGYLGHSDNKCRCSPDMVARYQSRVSGPLLDRIDLQIQVA   398
NTDB id 1397 DSB67 RS15690 WP 005535577.1    KVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGN..QARTNPQAILRYLGRLSGPLLDRFDMSLEIP   387
NTDB id 1153 A1552VC RS00115 WP 000521788.1  KVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGS..QARANPQSILRYLSRLSGPLLDRFDMSIEIP   387
NTDB id 1387 A4U84 RS06900 WP 020457569.1    KVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGT..HNRTSPQQLMRYLNRLSGPFLDRFDLSIEVP   390
NTDB id 1349 HI 1117 AAC22771.1               KVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGT..HNRTSPQQIMRYLNRLSGPFLDRFDLSIEVP   391
consensus                                     *!!* *!*!!!**** !!!! * * *!!*!******!!*!*! *  *    * **  * !!* **!*!*!!! !* ***

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NTDB id 1323 RA0C RS07335 WP 004916218.1      KVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSARAY   470
NTDB id 1271 LPP RS03220 WP 011213198.1       ALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGY   465
NTDB id 1248 GC085 RS03150 WP 011213198.1     ALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGY   465
NTDB id 339258 EKL02 RS02630 WP 128900588.1  SLPRDDLLRQAD..GVASAAIAARTEQAFVRQHARQD....KANHALSPAEVDAWCCPDPDAQELLRNAMARLNWSARAY   472
NTDB id 1397 DSB67 RS15690 WP 005535577.1    ALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRAY   462
NTDB id 1153 A1552VC RS00115 WP 000521788.1  ALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAY   462
NTDB id 1387 A4U84 RS06900 WP 020457569.1    LLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRG....KINAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRAY   466
NTDB id 1349 HI 1117 AAC22771.1               LLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAY   466
consensus                                      **   !      *** *  ** **  *******!      **!* * *****  ! *   *  **  ** *! *! !*!

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NTDB id 1323 RA0C RS07335 WP 004916218.1      DRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1271 LPP RS03220 WP 011213198.1       HRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1     HRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 339258 EKL02 RS02630 WP 128900588.1  HRVLKVARTIADLASADVIGTAHVAEAIQYRRALQVQ........   509
NTDB id 1397 DSB67 RS15690 WP 005535577.1    HRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1153 A1552VC RS00115 WP 000521788.1  HRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1387 A4U84 RS06900 WP 020457569.1    HRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
NTDB id 1349 HI 1117 AAC22771.1               HRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
consensus                                     *!**!!*!!!!!*    **   !***!* !* * **   *
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X non conserved

X similar

X $\geq$ 50% conserved