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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPG.KKITINMAPADLRKEGS   77
NTDB id 1271 LPP RS03220 WP 011213198.1       MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPC.RKITVNLGPANLPKTGS   79
NTDB id 1248 GC085 RS03150 WP 011213198.1     MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPC.RKITVNLGPANLPKTGS   79
NTDB id 41338 RTA RS00680 WP 041674927.1      MSLSLVQSRALVGLEAASVTVEVHLANGLPSFTLVGLAETEVKEARERVRSALQNAGLEFPHNKRITVNLAPADLPKDSG   80
NTDB id 1153 A1552VC RS00115 WP 000521788.1   MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPA.KRITVNLAPADLPKEGG   79
NTDB id 1397 DSB67 RS15690 WP 005535577.1     MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPA.KRITVNLAPADLPKEGG   79
NTDB id 1387 A4U84 RS06900 WP 020457569.1     MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPA.RRITINLAPADLPKEGG   79
NTDB id 1349 HI 1117 AAC22771.1               MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPA.KRITVNLAPADLPKEGG   79
consensus                                     **!*** *****!* !  ***!!****!*****!!!*** *!!***!***!**! ****!* **!!*!**!!*!*!***

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      AYDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREE.GFKGIILPKQNTREAAIVNDLEVYGV  156
NTDB id 1271 LPP RS03220 WP 011213198.1       GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD..NQHLIIANANAAEASLTGHQKVFTA  157
NTDB id 1248 GC085 RS03150 WP 011213198.1     GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD..NQHLIIANANAAEASLTGHQKVFTA  157
NTDB id 41338 RTA RS00680 WP 041674927.1      RFDLAIALGILAASGQIDGSRLAGHEFAGELSLSGELRPVRGALAMSLALQAAEPALALVLPPGSAEEAALVPGAAVWRA  160
NTDB id 1153 A1552VC RS00115 WP 000521788.1   RFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQV..ERCLVVPHSNGDQAALVGVERHKSA  157
NTDB id 1397 DSB67 RS15690 WP 005535577.1     RFDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANKK..QRHLVVPHANGDQAALVGKEQHKSA  157
NTDB id 1387 A4U84 RS06900 WP 020457569.1     RFDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASKA..KREIIVPQQNANEVSLVSNTQTYCA  157
NTDB id 1349 HI 1117 AAC22771.1               RFDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQKS..KRELIIAKQNANEASLVSDQNTYFA  157
consensus                                     **!!*!!*!!!!!!!*!*     *    ****!!*!*! **** ***** *** *    * ****  ** ** **     * *

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NTDB id 1323 RA0C RS07335 WP 004916218.1      ENIKEVIDFFNENCPLEPTKVN......TREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTML  230
NTDB id 1271 LPP RS03220 WP 011213198.1       NNLREVCDYLCQGTSLQSLPPKP..........DLLLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMM  227
NTDB id 1248 GC085 RS03150 WP 011213198.1     NNLREVCDYLCQGTSLQSLPPKP..........DLLLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMM  227
NTDB id 41338 RTA RS00680 WP 041674927.1      VHLLDVVRRFLPEGSAAADGPPGEGWSRMAGGAPAAAPAVYPDLADVKGQAAAKRALEIAAAGGHGLLLVGPPGSGKSML  240
NTDB id 1153 A1552VC RS00115 WP 000521788.1   QSLLEVCADLCGQQTLSLFQSS......PSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTML  227
NTDB id 1397 DSB67 RS15690 WP 005535577.1     QSLLEVCAELCGQHQLNLYQTP......KKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTML  227
NTDB id 1387 A4U84 RS06900 WP 020457569.1     STLLQVVNFLNNRDQLPIAQQL......SQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTML  230
NTDB id 1349 HI 1117 AAC22771.1               QTLLDVVQFLNGQEKLPLATEI......VKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTML  231
consensus                                     *  ***!   **      *                          !**** !!* *!*!* *!!*! !*** *!*!!*!!*!*

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NTDB id 1323 RA0C RS07335 WP 004916218.1      AKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPE  310
NTDB id 1271 LPP RS03220 WP 011213198.1       AKRFSTLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPE  306
NTDB id 1248 GC085 RS03150 WP 011213198.1     AKRFSTLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPE  306
NTDB id 41338 RTA RS00680 WP 041674927.1      AQRFAGLLPPMTVQEALESAAVASLAGQ.FLL.ERWARRPTCSPHHSASAAALVGGGSPPRPGEISLAHQGVLFLDELPE  318
NTDB id 1153 A1552VC RS00115 WP 000521788.1   ASRLCDLLPEMSDEEAMETASIASLTQQEINQ.HNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPE  306
NTDB id 1397 DSB67 RS15690 WP 005535577.1     ASRLCDLLPEMSDEEAMETASVASLTQSEINE.HNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPE  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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NTDB id 1323 RA0C RS07335 WP 004916218.1      FKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPN.NTSSSFEMQRYLNKLSGPLLDRIDIHI   389
NTDB id 1271 LPP RS03220 WP 011213198.1       FNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQV   386
NTDB id 1248 GC085 RS03150 WP 011213198.1     FNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQV   386
NTDB id 41338 RTA RS00680 WP 041674927.1      FPRAALEALREPLETGHITIARAARRSQFPARFQFVGAMNPCPCGWRGAAHRACRCTPDQVARYQGKLSGPLLDRIDLHL   398
NTDB id 1153 A1552VC RS00115 WP 000521788.1   FERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQ..ARANPQSILRYLSRLSGPLLDRFDMSI   384
NTDB id 1397 DSB67 RS15690 WP 005535577.1     FDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQ..ARTNPQAILRYLGRLSGPLLDRFDMSL   384
NTDB id 1387 A4U84 RS06900 WP 020457569.1     FERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTH..NRTSPQQLMRYLNRLSGPFLDRFDLSI   387
NTDB id 1349 HI 1117 AAC22771.1               FERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTH..NRTSPQQIMRYLNRLSGPFLDRFDLSI   388
consensus                                     ! ! *!* *!*!!!**** !*!! *** *!!*!*****!!*!*! * **    * **  * !!* *!!*!*!!! !* *

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NTDB id 1323 RA0C RS07335 WP 004916218.1      EVQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSA   467
NTDB id 1271 LPP RS03220 WP 011213198.1       TIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSA   462
NTDB id 1248 GC085 RS03150 WP 011213198.1     TIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSA   462
NTDB id 41338 RTA RS00680 WP 041674927.1      EVPALAPRELLEA..PPGESTAAVRARCVAARGRALERQGK....PNQALAGREIDQHARLDAAAAAFLQTAAARLGWSA   472
NTDB id 1153 A1552VC RS00115 WP 000521788.1   EIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLESALHRLGLSI   459
NTDB id 1397 DSB67 RS15690 WP 005535577.1     EIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLENALHRLGLSI   459
NTDB id 1387 A4U84 RS06900 WP 020457569.1     EVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLENALTKLGLSV   463
NTDB id 1349 HI 1117 AAC22771.1               EVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSV   463
consensus                                     *****    !      *****  ** **  ****** ! **    *!* * *****  * !   ** **  ** *!**!

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NTDB id 1323 RA0C RS07335 WP 004916218.1      RAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1271 LPP RS03220 WP 011213198.1       RGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1     RGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 41338 RTA RS00680 WP 041674927.1      RATHRALKVARSIADLEGAAGVQVAHVAEAVQYRRGLMMDGAG.....   515
NTDB id 1153 A1552VC RS00115 WP 000521788.1   RAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1     RAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   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