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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA   78
NTDB id 27294 BMASAVP1 RS08175 WP 004198023.1   MSLAVVRSRAPAAGRAPEVTVEVHLANGLPSFSIVGLPDLEVRESRERVRAALQNCGFEFPVRRITVNLAPADLPKESGR   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.......................EEGFKGII  136
NTDB id 27294 BMASAVP1 RS08175 WP 004198023.1   FDLPIALGILAASGQLPAGALDGREFAGELSLTGALRPMRGAFAMACGTARGQQADDDGSPAQAESPPARATAPNAAELY  160
NTDB id 1271 LPP RS03220 WP 011213198.1         FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAA........................HKDNQHLI  137
NTDB id 1248 GC085 RS03150 WP 011213198.1       FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAA........................HKDNQHLI  137
NTDB id 1397 DSB67 RS15690 WP 005535577.1       FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAA........................NKKQRHLV  137
NTDB id 1153 A1552VC RS00115 WP 000521788.1     FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAA........................NQVERCLV  137
NTDB id 1387 A4U84 RS06900 WP 020457569.1       FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAA........................SKAKREII  137
NTDB id 1349 HI 1117 AAC22771.1                 FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAA........................QKSKRELI  137
consensus                                       *!!*!!*!!!!!!*!*    *   ****!!*!*! **** ***** ***                          *  * **

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NTDB id 1323 RA0C RS07335 WP 004916218.1        LPKQNTREAAIVNDLEVYGVENIKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHN  216
NTDB id 27294 BMASAVP1 RS08175 WP 004198023.1   LPLPSAAEAALVPGVTVYGAADLPALCAHLADTPDGRLAPVAAPR.LDALPAAATADLADVIGQAGAKRALEVAAAGGHH  239
NTDB id 1271 LPP RS03220 WP 011213198.1         IANANAAEASLTGHQKVFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHS  213
NTDB id 1248 GC085 RS03150 WP 011213198.1       IANANAAEASLTGHQKVFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHS  213
NTDB id 1397 DSB67 RS15690 WP 005535577.1       VPHANGDQAALVGKEQHKSAQSLLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHN  213
NTDB id 1153 A1552VC RS00115 WP 000521788.1     VPHSNGDQAALVGVERHKSAQSLLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHN  213
NTDB id 1387 A4U84 RS06900 WP 020457569.1       VPQQNANEVSLVSNTQTYCASTLLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHN  216
NTDB id 1349 HI 1117 AAC22771.1                 IAKQNANEASLVSDQNTYFAQTLLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHN  217
consensus                                       **  ** ** **     * ** * *** **     * *                    !*****!!* *!*!* *!!*! !*

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NTDB id 1323 RA0C RS07335 WP 004916218.1        IILIGPPGSGKTMLAKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEIS  296
NTDB id 27294 BMASAVP1 RS08175 WP 004198023.1   MLMIGPPGAGKSMLAARLPALLPPLTDDEALTSAAILSSSRAG.FSPAQWRRRPFRAPHHSSSSAALVGGRNPPQPGEIT  318
NTDB id 1271 LPP RS03220 WP 011213198.1         ILLSGAPGSGKTMMAKRFSTLLPELSETQALECAAINSIRGKL.PDFREWRLPPFRAPHHTASPVALVGGGNPPKPGEIS  292
NTDB id 1248 GC085 RS03150 WP 011213198.1       ILLSGAPGSGKTMMAKRFSTLLPELSETQALECAAINSIRGKL.PDFREWRLPPFRAPHHTASPVALVGGGNPPKPGEIS  292
NTDB id 1397 DSB67 RS15690 WP 005535577.1       LLFLGPPGTGKTMLASRLCDLLPEMSDEEAMETASVASLTQSE.INEHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEIS  292
NTDB id 1153 A1552VC RS00115 WP 000521788.1     LLFLGPPGTGKTMLASRLCDLLPEMSDEEAMETASIASLTQQE.INQHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEIS  292
NTDB id 1387 A4U84 RS06900 WP 020457569.1       LLFLGPPGTGKTMLASRLADLLPEMEDDEAIETASVTSLVQNE.LNFQNWKKRPFRSPHHSASMVALVGGGSIPKPGEIS  295
NTDB id 1349 HI 1117 AAC22771.1                 LLFLGPPGTGKTMLASRLTGLLPEMTDLEAIETASVTSLVQNE.LNFHNWKQRPFRAPHHSASMPALVGGGTIPKPGEIS  296
consensus                                       ** *!*!!*!!*!*! !*  *!!**** *!**** * !*         *** *!!!*!!!* !  !!!!!** !*!!!!*
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NTDB id 1323 RA0C RS07335 WP 004916218.1        LAHNGVLFLDEMPEFKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLN   375
NTDB id 27294 BMASAVP1 RS08175 WP 004198023.1  LAHLGVLFLDELPEFDRHVLETLREPLEAGRITISRAALQADFPAACQLIAAMNPCPCGWRGDPGGRCRCSPDIAARYLR   398
NTDB id 1271 LPP RS03220 WP 011213198.1         LAHHGVLFLDELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLA   372
NTDB id 1248 GC085 RS03150 WP 011213198.1       LAHHGVLFLDELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLA   372
NTDB id 1397 DSB67 RS15690 WP 005535577.1       LAHNGLLFLDEMPEFDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVCALNPSPTGYYEGNQAR..TNPQAILRYLG   370
NTDB id 1153 A1552VC RS00115 WP 000521788.1    LAHNGLLFLDEMPEFERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVCALNPSPTGYYEGSQAR..ANPQSILRYLS   370
NTDB id 1387 A4U84 RS06900 WP 020457569.1       LAHNGVLFLDELPEFERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLN   373
NTDB id 1349 HI 1117 AAC22771.1                 LATNGVLFLDELPEFERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLN   374
consensus                                       !!**!*!!!!!*!!!*! !!***!*!!!**** !!!! * * *!!*********!!*!*! *  * **   **  * !!!

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NTDB id 1323 RA0C RS07335 WP 004916218.1        KLSGPLLDRIDIHIEVQKVEFDQLSD..KRKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSL   453
NTDB id 27294 BMASAVP1 RS08175 WP 004198023.1  KLSGPLLDRIDIQIEIPALTPAELAERPAAAGESSETVAARVALARERQFARQRK....TNHMLTGRETDTLCRPDSTGE   474
NTDB id 1271 LPP RS03220 WP 011213198.1         KLSAPLLDRIDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQ   448
NTDB id 1248 GC085 RS03150 WP 011213198.1       KLSAPLLDRIDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQ   448
NTDB id 1397 DSB67 RS15690 WP 005535577.1       RLSGPLLDRFDMSLEIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDA   445
NTDB id 1153 A1552VC RS00115 WP 000521788.1    RLSGPLLDRFDMSIEIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADA   445
NTDB id 1387 A4U84 RS06900 WP 020457569.1       RLSGPFLDRFDLSIEVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDA   449
NTDB id 1349 HI 1117 AAC22771.1                 RLSGPFLDRFDLSIEVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDA   449
consensus                                       *!!*!*!!! !* ******  * !      *****  ** *!  *******!  *    *!* * *****  ! *   *

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NTDB id 1323 RA0C RS07335 WP 004916218.1        LLIKNAMEKLNLSARAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 27294 BMASAVP1 RS08175 WP 004198023.1  TLLRDAGERFRWSARAYYRVLKVARTIADLAGDDAPSAAHIAEAIRYRRAFGPA........   528
NTDB id 1271 LPP RS03220 WP 011213198.1         LFLREVMSKLKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1       LFLREVMSKLKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1397 DSB67 RS15690 WP 005535577.1       EFLENALHRLGLSIRAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1153 A1552VC RS00115 WP 000521788.1    EFLESALHRLGLSIRAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1387 A4U84 RS06900 WP 020457569.1       LFLENALTKLGLSVRAYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
NTDB id 1349 HI 1117 AAC22771.1                 FFLEKALNKLGLSVRAYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
consensus                                        **  ** ** *! !*!*!**!!*!!!!!* ** **   !***!* !* * **   *
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X non conserved

X similar

X $\geq$ 50% conserved