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logo
NTDB id 1323 RAOC RS07335 WP 004916218.1        .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA   78
NTDB id 194798 BGI47 RS06010 WP 004541098.1     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 RAOC RS07335 WP 004916218.1        YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAR.......................EEGFKGII  136
NTDB id 194798 BGI47 RS06010 WP 004541098.1     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 RAOC RS07335 WP 004916218.1        LPKQNTREAAIVNDLEVYGVENIKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHN  216
NTDB id 194798 BGI47 RS06010 WP 004541098.1     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 RAOC RS07335 WP 004916218.1        IILIGPPGSGKTMLAKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEIS  296
NTDB id 194798 BGI47 RS06010 WP 004541098.1     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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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      LAHNGVLFLDEMPEFKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLN   375
NTDB id 194798 BGI47 RS06010 WP 004541098.1  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    LAHNGLLFLDEMPEFDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLG   370
NTDB id 1153 A1552VC RS00115 WP 000521788.1  LAHNGLLFLDEMPEFERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..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 194798 BGI47 RS06010 WP 004541098.1  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      LLIKNAMEKLNLSARAYDRILKVSRTIADLEREETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 194798 BGI47 RS06010 WP 004541098.1  TLLRDAGERFRWSARAYYRVLKVARTIADLAGDDAPSAAHIAEAIRYRRAFAPA........   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