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NTDB id 1323 RA0C RS07335 WP 004916218.1     .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA   78
NTDB id 124087 DP48 RS15320 WP 004530962.1   MSLAVVRSRAPAAGRAPEVTVEVHLANGLPSFSIVGLPDLEVRESREVRVAALQNCGFEFPVRRITVNLAPADLPKESGR   80
NTDB id 1271 LPP RS03220 WP 011213198.1      MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 1248 GCO85 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 124087 DP48 RS15320 WP 004530962.1   FDLPIALGILAASGQLPAGALDGREFAGELSLTGALRPMRGAFAMACGTARGQQADDDGSPAQAESPPARATAPNAAELY   160
NTDB id 1271 LPP RS03220 WP 011213198.1      FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAA.......................HKDNQHLI   137
NTDB id 1248 GCO85 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.......................SKAKRELI   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 124087 DP48 RS15320 WP 004530962.1   LPLPSAAEAALVPGVTVYGAADLPALCAHLADTPDGRLAPVAAPR.LDALPAAATADLADVIGQAGAKRALEVAAAGGHH   239
NTDB id 1271 LPP RS03220 WP 011213198.1      IANANAAEASLTGHQKVFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHS   213
NTDB id 1248 GCO85 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.RPLVSRDLTDIIGQQQHAKRALIIAAASGQHN   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 124087 DP48 RS15320 WP 004530962.1   MLMIGPPGAGKSMLAARLPALLPPLTDDEALTSAAILSSSRAG.FSPAQWRRRPFRAPHHSSSSAALVGGRNPPQPGEIT   318
NTDB id 1271 LPP RS03220 WP 011213198.1      ILLSGAPGSGKTMMAKRFSTLLPELSETQALECAAINSIRGKL.PDFREWRLPPFRAPHHTASPVALVGGGNPPKPGEIS   292
NTDB id 1248 GCO85 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 124087 DP48 RS15320 WP 004530962.1 LAHLGVLFLDELPEFDRHVLETLREPLEAGRITISRAALQADFPAACQLIAAMNPCPCGWRGDPGGRCRCSPDIAARYLR  398
NTDB id 1271 LPP RS03220 WP 011213198.1    LAHHGVLFLDELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLA  372
NTDB id 1248 GCO85 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 124087 DP48 RS15320 WP 004530962.1 KLSGPLLDRIDIQIEIPALTPAELAERPAAAGESSETVAARVALARERQFARQRK....TNHMLTGRETDTLCRPDSAGE  474
NTDB id 1271 LPP RS03220 WP 011213198.1    KLSAPLLDRIDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQ  448
NTDB id 1248 GCO85 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 124087 DP48 RS15320 WP 004530962.1 TLLRDAGERFRWSARAYYRVLKVARTIADLAGDDAPSAAHIAEAIRYRRAFAPA........  528
NTDB id 1271 LPP RS03220 WP 011213198.1    LFLREVMSKLKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......  503
NTDB id 1248 GCO85 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 ≥ 50% conserved