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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA   78
NTDB id 1397 DSB67 RS15690 WP 005535577.1     MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGR   80
NTDB id 1153 A1552VC RS00115 WP 000521788.1  MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPAKRITVNLAPADLPKEGGR   80
NTDB id 1349 HI 1117 AAC22771.1               MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPAKRITVNLAPADLPKEGGR   80
NTDB id 1387 A4U84 RS06900 WP 020457569.1    MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPARRITINLAPADLPKEGGR   80
NTDB id 376131 FPZ51 RS10770 WP 005882028.1  MSLAILKSRALAGMDAPEVTVEVHLANGLPSFTIVGLAETEVKEAKDRVRAAIQNARFEFPARRITVNLAPADLPKESGR   80
NTDB id 1271 LPP RS03220 WP 011213198.1       MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 1248 GC085 RS03150 WP 011213198.1     MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
consensus                                     **!*** *****!* !* ***!!****!******!!!*** *!!***!***!**! ****!***!!*!**!!*!*!****

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRARE....EGFKGIILPKQNTREAAIVNDLEVY  154
NTDB id 1397 DSB67 RS15690 WP 005535577.1     FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANK.....KQRHLVVPHANGDQAALVGKEQHK  155
NTDB id 1153 A1552VC RS00115 WP 000521788.1  FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQ.....VERCLVVPHSNGDQAALVGVERHK  155
NTDB id 1349 HI 1117 AAC22771.1               FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQK.....SKRELIIAKQNANEASLVSDQNTY  155
NTDB id 1387 A4U84 RS06900 WP 020457569.1    FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASK.....AKREIIVPQQNANEVSLVSNTQTY  155
NTDB id 376131 FPZ51 RS10770 WP 005882028.1  FDLPIALGILAASKQINTDHLDKYEFAGELSLSGELRPIRGALAMSFAIAKSNTASSRQGFILPYDNADEAAFVRNLTIL  160
NTDB id 1271 LPP RS03220 WP 011213198.1       FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHK.....DNQHLIIANANAAEASLTGHQKVF  155
NTDB id 1248 GC085 RS03150 WP 011213198.1     FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHK.....DNQHLIIANANAAEASLTGHQKVF  155
consensus                                     *!!*!!*!!!!!!*!*    *  *****!!*!*! **** ***** *** *       * ****  !* ** **     *

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NTDB id 1323 RA0C RS07335 WP 004916218.1      GVENIKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNILLIGPPGSGKTMLAKRI  234
NTDB id 1397 DSB67 RS15690 WP 005535577.1     SAQSLLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRL  231
NTDB id 1153 A1552VC RS00115 WP 000521788.1  SAQSLLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRL  231
NTDB id 1349 HI 1117 AAC22771.1               FAQTLLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLASRL  235
NTDB id 1387 A4U84 RS06900 WP 020457569.1    CASTLLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTMLASRL  234
NTDB id 376131 FPZ51 RS10770 WP 005882028.1  PAKTLLDVCAHLNGLPETPVLAPHVSG..TDNVYPRYPDFDEVKGQQKAKRALEVAAAGNHSVLMSGPPGTGKTMLASRF  238
NTDB id 1271 LPP RS03220 WP 011213198.1       TANNLREVCDYLCQGTSLQSLPPKPDL..LLN..NYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRF  231
NTDB id 1248 GC085 RS03150 WP 011213198.1     TANNLREVCDYLCQGTSLQSLPPKPDL..LLN..NYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRF  231
consensus                                      ******!* **      * *                  ! *** !!* *!*!* *!!*!*!*** *!*!!*!!!!*!*!*

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      PSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEFKRT  314
NTDB id 1397 DSB67 RS15690 WP 005535577.1     CDLLPEMSDEEAMETASVASLTQSEINE.HNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFDRK  310
NTDB id 1153 A1552VC RS00115 WP 000521788.1  CDLLPEMSDEEAMETASIASLTQQEINQ.HNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFERK  310
NTDB id 1349 HI 1117 AAC22771.1               TGLLPEMTDLEAIETASVTSLVQNELNF.HNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEFERK  314
NTDB id 1387 A4U84 RS06900 WP 020457569.1    ADLLPEMEDDEAIETASVTSLVQNELNF.QNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEFERK  313
NTDB id 376131 FPZ51 RS10770 WP 005882028.1  PGILPPMTEDEAIESAAISSVTGKFQ.A.SQWKTRPFRSPHHTASAIALIGGGGSPRPGEVSLAHRGVLFLDELPEFDRH  316
NTDB id 1271 LPP RS03220 WP 011213198.1       STLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQ  310
NTDB id 1248 GC085 RS03150 WP 011213198.1     STLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQ  310
consensus                                       *!!**** *!*!** * !*         *** *!!!*!!!**! *!!*!!!* !*!!!*!!!**!*!!!!!*!!!*!
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      VLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHIEVQK   393
NTDB id 1397 DSB67 RS15690 WP 005535577.1     VLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQA..RTNPQAILRYLGRLSGPLLDRFDMSLEIPA   388
NTDB id 1153 A1552VC RS00115 WP 000521788.1   VLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQA..RANPQSILRYLSRLSGPLLDRFDMSIEIPA   388
NTDB id 1349 HI 1117 AAC22771.1               VLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHN..RTSPQQIMRYLNRLSGPFLDRFDLSIEVPL   392
NTDB id 1387 A4U84 RS06900 WP 020457569.1     VLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHN..RTSPQQLMRYLNRLSGPFLDRFDLSIEVPL   391
NTDB id 376131 FPZ51 RS10770 WP 005882028.1  VLEVLREPLESGHIVISRAARQADFPARFQLIAAMNPCPCGYLGHPSGKCHCTPDAVARYQRKISGPLLDRIDIQIQVNA   396
NTDB id 1271 LPP RS03220 WP 011213198.1       VLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHA   390
NTDB id 1248 GC085 RS03150 WP 011213198.1     VLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHA   390
consensus                                     !!* *!*!!!*****!!!! * * *!!*!******!!*!*! *   * *    **  * !!* **!*!*!!! !* *** *

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NTDB id 1323 RA0C RS07335 WP 004916218.1      VEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSARAYD   471
NTDB id 1397 DSB67 RS15690 WP 005535577.1     LPKGTLSEG.GDRGEPIAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRAYH   463
NTDB id 1153 A1552VC RS00115 WP 000521788.1   LPKGTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYH   463
NTDB id 1349 HI 1117 AAC22771.1               LPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYH   467
NTDB id 1387 A4U84 RS06900 WP 020457569.1     LPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRAYH   467
NTDB id 376131 FPZ51 RS10770 WP 005882028.1  LKQEELSRQPPG..DSSATIAKRVCDAWRIQLERQGK....ANNLLNTKEIDEFCRLDEAGENLLKEAMNRFMWSARAYH   470
NTDB id 1271 LPP RS03220 WP 011213198.1       LSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYH   466
NTDB id 1248 GC085 RS03150 WP 011213198.1     LSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYH   466
consensus                                     * *  !      *****  ** *!  ****** ! **    *!* *******  ! !   *  **  ** ** *! !*!*

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      RILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1397 DSB67 RS15690 WP 005535577.1     RIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1153 A1552VC RS00115 WP 000521788.1   RIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1349 HI 1117 AAC22771.1               RILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
NTDB id 1387 A4U84 RS06900 WP 020457569.1     RILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
NTDB id 376131 FPZ51 RS10770 WP 005882028.1  RILKIGRTIADLAQTVNIKQEHIAEAIQYRRTLRET.......   506
NTDB id 1271 LPP RS03220 WP 011213198.1       RLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1     RLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
consensus                                     !**!**!!!!!*    **   !***!* !* * **   *
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X non conserved

X similar

X $\geq$ 50% conserved