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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA   78
NTDB id 1271 LPP RS03220 WP 011213198.1       MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 1248 GC085 RS03150 WP 011213198.1     MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 668910 MQ089 RS00355 WP 045426520.1  MTLATVYTRAALGIQAPEVRIEAHIGNGLPGFTLVGLPETAVREAKDRVRCAMLSSGFQFPPKRITLNLAPADLPKEGGR   80
NTDB id 1153 A1552VC RS00115 WP 000521788.1  MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPAKRITVNLAPADLPKEGGR   80
NTDB id 1397 DSB67 RS15690 WP 005535577.1    MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGR   80
NTDB id 1349 HI 1117 AAC22771.1               MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPAKRITVNLAPADLPKEGGR   80
NTDB id 1387 A4U84 RS06900 WP 020457569.1    MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPARRITINLAPADLPKEGGR   80
consensus                                    **!* * *****!* !* ***!*****!*****!!!*** **!***!***!***** *!***!!*!**!!*!*!*!**

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      YDLSIALGILAASGQIIA.PEIERYLIMGELSLDGGLQPIKGVLPIAIRAREEGFKGIILPKQNTREAAIVNDLEVYGVE  157
NTDB id 1271 LPP RS03220 WP 011213198.1       FDLPIALGILAASEQIPL.TNLANHEFIGELALSGELRGVSAIIPAVLAAHK.DNQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 1248 GC085 RS03150 WP 011213198.1     FDLPIALGILAASEQIPL.TNLANHEFIGELALSGELRGVSAIIPAVLAAHK.DNQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 668910 MQ089 RS00355 WP 045426520.1  YDLPMALALLLASGQLAPRISVGDYEFLGELALSGDLRPVQGALPAALSAAR.ARRTLIAPSDNAAELGLLTAPRPPVAP  159
NTDB id 1153 A1552VC RS00115 WP 000521788.1  FDLPIALGILAASDQIAR.NKLESYEFIGELALSGEIRGVKGVLPAALAANQ.VERCLVVPHSNGDQAALVGVERHKSAQ  158
NTDB id 1397 DSB67 RS15690 WP 005535577.1    FDLPIALGILAASEQIAT.DKLKNYEFVGELALSGGLRTVKGVLPAALAANK.KQRHLVVPHANGDQAALVGKEQHKSAQ  158
NTDB id 1349 HI 1117 AAC22771.1               FDLPIAIGILAASDQLDA.SHLKQFEFVAELALTGQLRGVHGVIPAILAAQK.SKRELIIAKQNANEASLVSDQNTYFAQ  158
NTDB id 1387 A4U84 RS06900 WP 020457569.1    FDLPIAIGILAASGQIDS.DKLKRIELLGELSLTGHLRGVHGAIPAVLAASK.AKREIIVPQQNANEVSLVSNTQTYCAS  158
consensus                                    *!!**!***!*!!*!*      *  *****!!*!*! **** ***!* **! *   * ****  !* ** **     * **

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NTDB id 1323 RA0C RS07335 WP 004916218.1      NIKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTMLAKRIPSI  237
NTDB id 1271 LPP RS03220 WP 011213198.1       NLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRFSTL  234
NTDB id 1248 GC085 RS03150 WP 011213198.1     NLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRFSTL  234
NTDB id 668910 MQ089 RS00355 WP 045426520.1  SLLAVCAFLSGQASLEAAPAGEMT....SDCAGTGDMADIIGQAQARRALEIAAAGGHNLLLIGPPGTGKTMLACRLPGL  235
NTDB id 1153 A1552VC RS00115 WP 000521788.1  SLLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDL  234
NTDB id 1397 DSB67 RS15690 WP 005535577.1    SLLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDL  234
NTDB id 1349 HI 1117 AAC22771.1               TLLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLASRLTGL  238
NTDB id 1387 A4U84 RS06900 WP 020457569.1    TLLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTMLASRLADL  237
consensus                                    ****!* **  *  !                        !*****!!* ***!* *!!*! !*** *!*!!*!!!!*! !*  *

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NTDB id 1323 RA0C RS07335 WP 004916218.1      LPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEFKRTVLE  317
NTDB id 1271 LPP RS03220 WP 011213198.1       LPELSETQALECAAINSIRGKLP.DFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLE  313
NTDB id 1248 GC085 RS03150 WP 011213198.1     LPELSETQALECAAINSIRGKLP.DFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLE  313
NTDB id 668910 MQ089 RS00355 WP 045426520.1  LPPMTPDEALEQAAISSLASPGA.MPPRYGVRPFRAPHHSASMAALIGGGPLPKPGEISLAHHGVLFLDELAEFDRRTLD  314
NTDB id 1153 A1552VC RS00115 WP 000521788.1  LPEMSDEEAMETASIASLTQQEI.NQHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFERKVLD  313
NTDB id 1397 DSB67 RS15690 WP 005535577.1    LPEMSDEEAMETASVASLTQSEI.NEHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFDRKVLD  313
NTDB id 1349 HI 1117 AAC22771.1               LPEMTDLEAIETASVTSLVQNEL.NFHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEFERKVLD  317
NTDB id 1387 A4U84 RS06900 WP 020457569.1    LPEMEDDEAIETASVTSLVQNEL.NFQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEFERKVLD  316
consensus                                    !!**** *!*!** * !*          ****!!!*!!!**!* !!*!!!**!*!!!!!!!**!*!!!!!*!!*!**!*
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1     VMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHIEVQKVEF   396
NTDB id 1271 LPP RS03220 WP 011213198.1      TLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQ   393
NTDB id 1248 GC085 RS03150 WP 011213198.1    TLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQ   393
NTDB id 668910 MQ089 RS00355 WP 045426520.1 ALREPLESGVVHLSRARIKVSFPARVQLVAAMNPSSGGHADGRDRR..AAAPQVLRYLSRLSGPLLDRFDLSIDVPPLPP   392
NTDB id 1153 A1552VC RS00115 WP 000521788.1 SLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDMSIEIPALPK   391
NTDB id 1397 DSB67 RS15690 WP 005535577.1   SLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLDRFDMSLEIPALPK   391
NTDB id 1349 HI 1117 AAC22771.1              ALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPFLDRFDLSIEVPLLPQ   395
NTDB id 1387 A4U84 RS06900 WP 020457569.1    ALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPFLDRFDLSIEVPLLPQ   394
consensus                                     *!*!!!**** *!!! *** *!!********!!***! * **  *   **  **!!! *!!*!*!!!*!****** **
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1     DQLSD..KRKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSARAYDRIL   474
NTDB id 1271 LPP RS03220 WP 011213198.1      EELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYHRLL   469
NTDB id 1248 GC085 RS03150 WP 011213198.1    EELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYHRLL   469
NTDB id 668910 MQ089 RS00355 WP 045426520.1 GQLARQ.RADGEDSATLRRRVCAARARQYARGG....RLNAHLEGAARDRDCRLIPDDALYLEQALTRLALSVRAWHRLL   467
NTDB id 1153 A1552VC RS00115 WP 000521788.1 GTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRII   466
NTDB id 1397 DSB67 RS15690 WP 005535577.1   GTLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRAYHRII   466
NTDB id 1349 HI 1117 AAC22771.1              GSLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRIL   470
NTDB id 1387 A4U84 RS06900 WP 020457569.1    GALQNNTDQRGETTEQARKRVLEARHLQFNRRG....KINAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRAYHRIL   470
consensus                                    * !      *** *  ** *!  *******! *    **!! * *****  ! !   ****** ** *!*!!*!***!**
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1     KVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1271 LPP RS03220 WP 011213198.1      KVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1    KVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 668910 MQ089 RS00355 WP 045426520.1 KVARTLADLEGCDDIARRHLAEALSYRAMDRLLLTLQRG..   506
NTDB id 1153 A1552VC RS00115 WP 000521788.1 KVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1   KVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1349 HI 1117 AAC22771.1              KVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
NTDB id 1387 A4U84 RS06900 WP 020457569.1    KVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
consensus                                    !!*!!*!!* *  **   !***!* !*******  *
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X non conserved

X similar

X $\geq$ 50% conserved