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NTDB id 1323 RA0C RS07335 WP 004916218.1     .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA   78
NTDB id 1271 LPP RS03220 WP 011213198.1      MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 1248 GCO85 RS03150 WP 011213198.1    MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 668990 MQ084 RS00290 WP 034164512.1  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                                    **!** * ***** !* !* ***!******!******!!!*** **!***!***!****** *!***!!*!**!!*!*!*!**
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NTDB id 1323 RA0C RS07335 WP 004916218.1     YDLSIALGILAASGQIIA.PETERYLIMGELSLDGGLQPIKGVLPIAIRAREEGFKGIILPKQNTREAAIVNDLEVYGVE   157
NTDB id 1271 LPP RS03220 WP 011213198.1      FDLPIALGILAASEQIPL.TNLANHEFIGELALSGELRGVSAIIPAVLAAHK.DNQHLIIANANAAEASLTGHQKVFTAN   158
NTDB id 1248 GCO85 RS03150 WP 011213198.1    FDLPIALGILAASEQIPL.TNLANHEFIGELALSGELRGVSAIIPAVLAAHK.DNQHLIIANANAAEASLTGHQKVFTAN   158
NTDB id 668990 MQ084 RS00290 WP 034164512.1  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.AKRETIVPQQNANEVSLVSNTQTYCAS   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 GCO85 RS03150 WP 011213198.1    NLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRFSTL   234
NTDB id 668990 MQ084 RS00290 WP 034164512.1  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 GCO85 RS03150 WP 011213198.1    LPELSETQALECAAINSIRGKLP.DFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLE   313
NTDB id 668990 MQ084 RS00290 WP 034164512.1  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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NTDB id 1323 RA0C RS07335 WP 004916218.1     VMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHIEVQKVEF   396
NTDB id 1271 LPP RS03220 WP 011213198.1      TLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQ   393
NTDB id 1248 GCO85 RS03150 WP 011213198.1    TLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQ   393
NTDB id 668990 MQ084 RS00290 WP 034164512.1  ALREPLESGVVHLSRARIKVSFPARVQLVAAMNPSSGGHADGRDRR..AAAPQVLRYLSRLSGPLLDRFDLSIDVPPLPP   392
NTDB id 1153 A1552VC RS00115 WP 000521788.1  SLREPLESGEIVISRAQGKTRFPARFQLVCALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDMSIEIPALPK   391
NTDB id 1397 DSB67 RS15690 WP 005535577.1    SLREPLESGEIIISRAQGKTRFPARFQIVCALNPSPTGYYEGNQAR..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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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 GCO85 RS03150 WP 011213198.1    EELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYHRLL   469
NTDB id 668990 MQ084 RS00290 WP 034164512.1  GQLARQ.RADGEDSATLRRRVCTARARQYARGG....RLNAHLEGAARDRDCRLIPDDALYLEQALTRLALSVRAWHRLL   467
NTDB id 1153 A1552VC RS00115 WP 000521788.1  GTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIT   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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NTDB id 1323 RA0C RS07335 WP 004916218.1     KVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1271 LPP RS03220 WP 011213198.1      KVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GCO85 RS03150 WP 011213198.1    KVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 668990 MQ084 RS00290 WP 034164512.1  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 ≥ 50% conserved