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NTDB id 1323 RA0C RS07335 WP 004916218.1     .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPG.KKITINMAPADLRKEGS   77
NTDB id 1271 LPP RS03220 WP 011213198.1      MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPC.RKITVNLGPANLPKTGS   79
NTDB id 1248 GCO85 RS03150 WP 011213198.1    MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPC.RKITVNLGPANLPKTGS   79
NTDB id 169629 LOKO RS17385 WP 066451955.1   MMLAIVATRAGLGLEAPEVLVEVHLANGLPGMTLVGLPETAVKESRERVRSALTNAGFDFPNTRRIVLNLAPADLPKVGG   80
NTDB id 1397 DSB67 RS15690 WP 005535577.1    MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPA.KRITVNLAPADLPKEGG   79
NTDB id 1153 A1552VC RS00115 WP 000521788.1  MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPA.KRITVNLAPADLPKEGG   79
NTDB id 1387 A4U84 RS06900 WP 020457569.1    MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPA.RRITINLAPADLPKEGG   79
NTDB id 1349 HI 1117 AAC22771.1              MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPA.KRITVNLAPADLPKEGG   79
consensus                                    *  !*** *****!*  !* ***!!*****!******!!!*** *!!***!***!**!  ****!* **!**!**!!*!*!*!*
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NTDB id 1323 RA0C RS07335 WP 004916218.1     AYDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREEGFKGIILPKQNTREAAIVNDLEVYGVE   157
NTDB id 1271 LPP RS03220 WP 011213198.1      GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKDN.QHLIIANANAAEASLTGHQKVFTAN   158
NTDB id 1248 GCO85 RS03150 WP 011213198.1    GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKDN.QHLIIANANAAEASLTGHQKVFTAN   158
NTDB id 169629 LOKO RS17385 WP 066451955.1   RFDLPIALGILMASGQLPGDALEGIESVGELALDGRLRPISGVLPLALAARRAG.RKLIVPRECADEAALAGDLQVLPAD   159
NTDB id 1397 DSB67 RS15690 WP 005535577.1    RFDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANKKQ.RHLVVPHANGDQAALVGKEQHKSAQ   158
NTDB id 1153 A1552VC RS00115 WP 000521788.1  RFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQVE.RCLVVPHSNGDQAALVGVERHKSAQ   158
NTDB id 1387 A4U84 RS06900 WP 020457569.1    RFDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASKAK.REIIVPQQNANEVSLVSNTQTYCAS   158
NTDB id 1349 HI 1117 AAC22771.1              RFDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQKSK.RELIIAKQNANEASLVSDQNTYFAQ   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 169629 LOKO RS17385 WP 066451955.1   HLLEVVAHLLGQTPIAAHQLEA....PPLSPVIEGDLAEVRGQHQARRALEIAAAGGHNLLFSGPPGTGKTMLASRLPGI   235
NTDB id 1397 DSB67 RS15690 WP 005535577.1    SLLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDL   234
NTDB id 1153 A1552VC RS00115 WP 000521788.1  SLLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDL   234
NTDB id 1387 A4U84 RS06900 WP 020457569.1    TLLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAAASGQHNLLFLGPPGTGKTMLASRLADL   237
NTDB id 1349 HI 1117 AAC22771.1              TLLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLASRLTGL   238
consensus                                     ***!  **  *  *                    !**** !!* ***!* *!!*! !*****!*!!*!!!!*!*!*  *
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NTDB id 1323 RA0C RS07335 WP 004916218.1     LPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEFKRTVLE   317
NTDB id 1271 LPP RS03220 WP 011213198.1      LPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLE   313
NTDB id 1248 GCO85 RS03150 WP 011213198.1    LPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLE   313
NTDB id 169629 LOKO RS17385 WP 066451955.1   LPPLTEEEALEVAAVRSVCGLPLS..EQWGRRPFRAPHHTASAVALVGGGSWPRPGEISLAHQGVLFLDELPEFSRHVLE   313
NTDB id 1397 DSB67 RS15690 WP 005535577.1    LPEMSDEEAMETASVASLTQSEINE.HNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFDRKVLD   313
NTDB id 1153 A1552VC RS00115 WP 000521788.1  LPEMSDEEAMETASIASLTQQEINQ.HNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFERKVLD   313
NTDB id 1387 A4U84 RS06900 WP 020457569.1    LPEMEDDEAIETASVTSLVQNELNF.QNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEFERKVLD   316
NTDB id 1349 HI 1117 AAC22771.1              LPEMTDLEAIETASVTSLVQNELNF.HNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEFERKVLD   317
consensus                                    !!**** *!*!** * !*    *    *** *!!!*!!!**! *!!!!!!* !*!!!!!!!**!*!!!!!*!!! ! !!*
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NTDB id 1323 RA0C RS07335 WP 004916218.1     VMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNN.TSSSFEMQRYLNKLSGPLLDRIDIHIEVQKVEF   396
NTDB id 1271 LPP RS03220 WP 011213198.1      TLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQ   393
NTDB id 1248 GCO85 RS03150 WP 011213198.1    TLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQ   393
NTDB id 169629 LOKO RS17385 WP 066451955.1   VMREPMESGQIHIARANHERRFPARFQLVAAMNPCPCGHLGDPRQACQCTAAQIQRYQSRLSGPLLDRIDLQVEVPALPP   393
NTDB id 1397 DSB67 RS15690 WP 005535577.1    SLREPLESGEIIISRAQGKTRFPARFQIVCALNPSPTGYYEGNQA..RTNPQAILRYLGRLSGPLLDRFDMSLEIPALPK   391
NTDB id 1153 A1552VC RS00115 WP 000521788.1  SLREPLESGEIVISRAQGKTRFPARFQLVCALNPSPTGYYEGSQA..RANPQSILRYLSRLSGPLLDRFDMSIEIPALPK   391
NTDB id 1387 A4U84 RS06900 WP 020457569.1    ALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHN..RTSPQQLMRYLNRLSGPFLDRFDLSIEVPLLPQ   394
NTDB id 1349 HI 1117 AAC22771.1              ALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHN..RTSPQQIMRYLNRLSGPFLDRFDLSIEVPLLPQ   395
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 169629 LOKO RS17385 WP 066451955.1   EQLTS..RETGESSAEVRERVMAARERQYARE.....ALNAYLGSRELEAACALSTADRAWLAGVLERLRLSARAYHRVL   466
NTDB id 1397 DSB67 RS15690 WP 005535577.1    GTLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRAYHRII   466
NTDB id 1153 A1552VC RS00115 WP 000521788.1  GTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRII   466
NTDB id 1387 A4U84 RS06900 WP 020457569.1    GALQNNTDQRGETTEQARKRVLEARHLQFNRRG....KINAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRAYHRIL   470
NTDB id 1349 HI 1117 AAC22771.1              GSLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRIL   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 169629 LOKO RS17385 WP 066451955.1   RVALTLADLTGKPQPERGELMEAIGYRQLDRQRQG......   501
NTDB id 1397 DSB67 RS15690 WP 005535577.1    KVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1153 A1552VC RS00115 WP 000521788.1  KVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1387 A4U84 RS06900 WP 020457569.1    KVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
NTDB id 1349 HI 1117 AAC22771.1              KVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
consensus                                    *!**!*!!* *  **   ****!**!* ****   *
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X non conserved

X similar

X ≥ 50% conserved