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logo
NTDB id 1323 RAOC 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 146970 ABW99 RS18430 WP 047215161.1   MSLAVVKSRALAGMRAPEVTVEVHLANGLPSLTIVGLPDTEVKESRDRVRSAIQNCRFEFPARRITVNLAPADLPKESGR   80
NTDB id 1153 A1552VC RS00115 WP 000521788.1   MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPAKRITVNLAPADLPKEGGR   80
NTDB id 1397 DSB67 RS15690 WP 005535577.1     MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGR   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 RAOC RS07335 WP 004916218.1      YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAI.RAREEGFKGIILPKQNTREAAIVNDLEVYGVE  157
NTDB id 1271 LPP RS03220 WP 011213198.1       FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAV..LAAHKDNQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 1248 GC085 RS03150 WP 011213198.1     FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAV..LAAHKDNQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 146970 ABW99 RS18430 WP 047215161.1   FDLPIALGILAASGQIPATALADHEFAGELSLSGELRPIRGALAMAHALAHAQAPTAFVLPAANADEAALVGRATVYPAR  160
NTDB id 1153 A1552VC RS00115 WP 000521788.1   FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAA..LAANQVERCLVVPHSNGDQAALVGVERHKSAQ  158
NTDB id 1397 DSB67 RS15690 WP 005535577.1     FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAA..LAANKKQRHLVVPHANGDQAALVGKEQHKSAQ  158
NTDB id 1387 A4U84 RS06900 WP 020457569.1     FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAV..LAASKAKREIIVPQQNANEVSLVSNTQTYCAS  158
NTDB id 1349 HI 1117 AAC22771.1               FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAI..LAAQKSKRELIIAKQNANEASLVSDQNTYFAQ  158
consensus                                     *!!*!!*!!!!!!*!*    *   ****!!*!*! **** *****   *!* *  * ****  !* ** ***    * **

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NTDB id 1323 RAOC 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 146970 ABW99 RS18430 WP 047215161.1   SLLDVCAHLMARDDGDRLVAHR..RAAPACVCDYPDMSEVKGQAPVKRALEVAAAGGHHALLIGPPGTGKSMLANRFPAL  238
NTDB id 1153 A1552VC RS00115 WP 000521788.1   SLLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDL  234
NTDB id 1397 DSB67 RS15690 WP 005535577.1     SLLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDL  234
NTDB id 1387 A4U84 RS06900 WP 020457569.1     TLLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTMLASRLADL  237
NTDB id 1349 HI 1117 AAC22771.1               TLLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLASRLTGL  238
consensus                                     ****!* **     *                        !**** !!* *!*!* *!!*! !*** *!*!!*!!*!*! !*   *

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NTDB id 1323 RAOC 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 146970 ABW99 RS18430 WP 047215161.1   LPPLSEAQSLDVATVLSLSTQGF.DPARWGLRPFRAPHHTASAVALVGGGGTPRPGEISLAHHGVLFLDELPEFDRKVLE  317
NTDB id 1153 A1552VC RS00115 WP 000521788.1   LPEMSDEEAMETASIASLTQQEI.NQHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFERKVLD  313
NTDB id 1397 DSB67 RS15690 WP 005535577.1     LPEMSDEEAMETASVASLTQSEI.NEHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFDRKVLD  313
NTDB id 1387 A4U84 RS06900 WP 020457569.1     LPEMEDDEAIETASVTSLVQNEL.NFQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEFERKVLD  316
NTDB id 1349 HI 1117 AAC22771.1               LPEMTDLEAIETASVTSLVQNEL.NFHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEFERKVLD  317
consensus                                     !!**** ******** !*          ****!!!*!!!**! *!!!!!!* !*!!!!!!!**!*!!!!!*!!!*!*!!*
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NTDB id 1323 RA0C RS07335 WP 004916218.1      VMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDP.NNTSSSFEMQRYLNKLSGPLLDRIDIHIEVQKVEF   396
NTDB id 1271 LPP RS03220 WP 011213198.1       TLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQ   393
NTDB id 1248 GC085 RS03150 WP 011213198.1     TLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQ   393
NTDB id 146970 ABW99 RS18430 WP 047215161.1   VLREPLECGRITISRASRQAEFPAEFQLIAAMNPCPCGYLGHASGRCRCTPEAVARYQGRLSGPLLDRIDVQIEVPALSA   397
NTDB id 1153 A1552VC RS00115 WP 000521788.1   SLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGS..QARANPQSILRYLSRLSGPLLDRFDMSIEIPALPK   391
NTDB id 1397 DSB67 RS15690 WP 005535577.1     SLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGN..QARTNPQAILRYLGRLSGPLLDRFDMSLEIPALPK   391
NTDB id 1387 A4U84 RS06900 WP 020457569.1     ALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGT..HNRTSPQQLMRYLNRLSGPFLDRFDLSIEVPLLPQ   394
NTDB id 1349 HI 1117 AAC22771.1               ALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGT..HNRTSPQQIMRYLNRLSGPFLDRFDLSIEVPLLPQ   395
consensus                                      *!*!!!**** !!!! * * *!!*!******!!*!*! *  *  * * **  * !!* *!!*!*!!! !* ******

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NTDB id 1323 RA0C RS07335 WP 004916218.1      DQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSARAYDRIL   474
NTDB id 1271 LPP RS03220 WP 011213198.1       EELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYHRLL   469
NTDB id 1248 GC085 RS03150 WP 011213198.1     EELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYHRLL   469
NTDB id 146970 ABW99 RS18430 WP 047215161.1   DDLANQP..ACESSDDIARRVGAARARQISRRDR....PNHALQGRDIDRFCQPTSAAAGMLRHAANRLHWSARAYHRAL   471
NTDB id 1153 A1552VC RS00115 WP 000521788.1   GTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRII   466
NTDB id 1397 DSB67 RS15690 WP 005535577.1     GTLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRAYHRII   466
NTDB id 1387 A4U84 RS06900 WP 020457569.1     GALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRAYHRIL   470
NTDB id 1349 HI 1117 AAC22771.1               GSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRIL   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 GC085 RS03150 WP 011213198.1     KVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 146970 ABW99 RS18430 WP 047215161.1   KIARTIADLDDVDTIDSAHIAEAIQYRRAVSAK........   504
NTDB id 1153 A1552VC RS00115 WP 000521788.1   KVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1     KVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   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 $\geq$ 50% conserved