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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 148823 AB870 RS02265 WP 047906770.1   MSLAVVSSRAITGMAARPVTVEVHLANGLPGLSLVGLPDTEVKESRERVRSALQNSRFEFPARRITINLAPADLPKASGC   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      YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIA.IRAREEGFKGIILPKQNTREAAIVNDLEVYGVE  157
NTDB id 1271 LPP RS03220 WP 011213198.1       FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIP..AVLAAHKDNQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 1248 GC085 RS03150 WP 011213198.1     FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIP..AVLAAHKDNQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 148823 AB870 RS02265 WP 047906770.1   FDLPIALGILAASGQLPEAGLRTHEFAGELSLTGELRPIRGGLAMASAIAAEPSARALVLPTGSAHEAALVEEATVYGAC  160
NTDB id 1153 A1552VC RS00115 WP 000521788.1   FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLP..AALAANQVERCLVVPHSNGDQAALVGVERHKSAQ  158
NTDB id 1397 DSB67 RS15690 WP 005535577.1     FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLP..AALAANKKQRHLVVPHANGDQAALVGKEQHKSAQ  158
NTDB id 1349 HI 1117 AAC22771.1               FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIP..AILAAQKSKRELIIAKQNANEASLVSDQNTYFAQ  158
NTDB id 1387 A4U84 RS06900 WP 020457569.1     FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIP..AVLAASKAKREIIVPQQNANEVSLVSNTQTYCAS  158
consensus                                     *!!*!!*!!!!!!*!*    *   ****!!*!*! **** ****  ***!* *  * ****  ** ** **     * **

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NTDB id 1323 RA0C RS07335 WP 004916218.1      NIKEVIDFFNENCPLEPTKVNTR.......EEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTML  230
NTDB id 1271 LPP RS03220 WP 011213198.1       NLREVCDYLCQGTSLQSLPPKPD...........LLLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMM  227
NTDB id 1248 GC085 RS03150 WP 011213198.1     NLREVCDYLCQGTSLQSLPPKPD...........LLLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMM  227
NTDB id 148823 AB870 RS02265 WP 047906770.1   TLLDVCAHLAEPDVATPLPRAAVPRALGCETASAVEQTADIADMIDIRGQSHAKRALEVAAAGGHHILLHGPPGTGRSML  240
NTDB id 1153 A1552VC RS00115 WP 000521788.1   SLLEVCADLCGQQTLSLFQSSPS.......V....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTML  227
NTDB id 1397 DSB67 RS15690 WP 005535577.1     SLLEVCAELCGQHQLNLYQTPKK.......K....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTML  227
NTDB id 1349 HI 1117 AAC22771.1               TLLDVVQFLNGQEKLPLATEIVK.......ESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTML  231
NTDB id 1387 A4U84 RS06900 WP 020457569.1     TLLQVVNFLNNRDQLPIAQQLSQ.......NIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTML  230
consensus                                     ****!* **     *                          !**** !!***!*!* *!!*! !*** *!*!!*!**!*

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NTDB id 1323 RA0C RS07335 WP 004916218.1      AKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPE  310
NTDB id 1271 LPP RS03220 WP 011213198.1       AKRFSTLLPELSETQALECAAINSIRGKL.PDFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPE  306
NTDB id 1248 GC085 RS03150 WP 011213198.1     AKRFSTLLPELSETQALECAAINSIRGKL.PDFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPE  306
NTDB id 148823 AB870 RS02265 WP 047906770.1   AMRLPGLLPSLSKAQAVETATLASLSTQG.FDMRHWGRRPFRAPHHTASAAALVGGGSTPRPGEISLAHRGVLFLDELPE  319
NTDB id 1153 A1552VC RS00115 WP 000521788.1   ASRLCDLLPEMSDEEAMETASIASLTQQE.INQHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPE  306
NTDB id 1397 DSB67 RS15690 WP 005535577.1     ASRLCDLLPEMSDEEAMETASVASLTQSE.INEHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPE  306
NTDB id 1349 HI 1117 AAC22771.1               ASRLTGLLPEMTDLEAIETASVTSLVQNE.LNFHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPE  310
NTDB id 1387 A4U84 RS06900 WP 020457569.1     ASRLADLLPEMEDDEAIETASVTSLVQNE.LNFQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPE  309
consensus                                     ! !*  *!!**** *!*!**** !*          ** *!!!*!!!**!  !!!!!!* !*!!!!!!!**!*!!!!!*!!
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NTDB id 1323 RA0C RS07335 WP 004916218.1      FKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDP.NNTSSSFEMQRYLNKLSGPLLDRIDIHI   389
NTDB id 1271 LPP RS03220 WP 011213198.1       FNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQV   386
NTDB id 1248 GC085 RS03150 WP 011213198.1     FNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQV   386
NTDB id 148823 AB870 RS02265 WP 047906770.1   FQRRVLEVLREPLELGHVTISRAGSHATFPAAFQLVAAMNPCPCGDFGHPSRNCRCTGEAVARYRNRLSGPLLDRIDLHV   399
NTDB id 1153 A1552VC RS00115 WP 000521788.1   FERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGS..QARANPQSILRYLSRLSGPLLDRFDMSI   384
NTDB id 1397 DSB67 RS15690 WP 005535577.1     FDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGN..QARTNPQAILRYLGRLSGPLLDRFDMSL   384
NTDB id 1349 HI 1117 AAC22771.1               FERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGT..HNRTSPQQIMRYLNRLSGPFLDRFDLSI   388
NTDB id 1387 A4U84 RS06900 WP 020457569.1     FERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGT..HNRTSPQQLMRYLNRLSGPFLDRFDLSI   387
consensus                                     ! !*!!* *!*!!!**** !!!! * * *!!*!******!!*!*! *  *  * * **  * !!* *!!*!*!!! !* *

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NTDB id 1323 RA0C RS07335 WP 004916218.1      EVQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSA   467
NTDB id 1271 LPP RS03220 WP 011213198.1       TIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSA   462
NTDB id 1248 GC085 RS03150 WP 011213198.1     TIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSA   462
NTDB id 148823 AB870 RS02265 WP 047906770.1   EVPALDAQTFAAP..ASGERSADVAARVGRAQARQLSRQGR....LNCGLSSRALETQCPLAPEAKEVLHRAVAQHHWSA   473
NTDB id 1153 A1552VC RS00115 WP 000521788.1   EIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLESALHRLGLSI   459
NTDB id 1397 DSB67 RS15690 WP 005535577.1     EIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLENALHRLGLSI   459
NTDB id 1349 HI 1117 AAC22771.1               EVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSV   463
NTDB id 1387 A4U84 RS06900 WP 020457569.1     EVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLENALTKLGLSV   463
consensus                                     *****    *      *** *  ** *! ******* ! **    *!* * ****!  ! !   *  **  ** ** *!

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NTDB id 1323 RA0C RS07335 WP 004916218.1      RAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1271 LPP RS03220 WP 011213198.1       RGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1     RGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 148823 AB870 RS02265 WP 047906770.1   RTYHRVLRVARTIADLAGHDAIGVPQITEAVQYREITIS.........   512
NTDB id 1153 A1552VC RS00115 WP 000521788.1   RAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1     RAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1349 HI 1117 AAC22771.1               RAYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
NTDB id 1387 A4U84 RS06900 WP 020457569.1     RAYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
consensus                                     !*!*!***!*!!!!!* *  **   ****!* !* * **   *
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X non conserved

X similar

X $\geq$ 50% conserved