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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 63898 X636 RS02265 WP 023872949.1     MTLAIVSSRAITGMAARPVTVEVHLANGLPGLSLVGLPDTEVKESRERVRSALQNSRFEFPTRRITVNLAPADLPKASGC    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      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 63898 X636 RS02265 WP 023872949.1     FDLPIALGILAASGQLPEAGLRTHEFAGELSLTGELRRVRGGLAMAGAIAAEASTRALVLPVDSAQEAALVEDATVFGAR   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      NIKEVIDFFNENCPLEPTKVNT...................REEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIIL   219
NTDB id 1271 LPP RS03220 WP 011213198.1       NLREVCDYLCQGTSLQSLPPKPDL.......................LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILL   216
NTDB id 1248 GC085 RS03150 WP 011213198.1     NLREVCDYLCQGTSLQSLPPKPDL.......................LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILL   216
NTDB id 63898 X636 RS02265 WP 023872949.1     TLLDVCAHLAEPDVATPLPRATVPGGSMRQDGAALSPCTGERPIPTDPVADAPDLSDIKGQAPAKRALEVAAAGGHHILF   240
NTDB id 1153 A1552VC RS00115 WP 000521788.1   SLLEVCADLCGQQTLSLFQS...S...............PSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLF   216
NTDB id 1397 DSB67 RS15690 WP 005535577.1     SLLEVCAELCGQHQLNLYQT...P...............KKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLF   216
NTDB id 1349 HI 1117 AAC22771.1               TLLDVVQFLNGQEKLPLATE...I...............VKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLF   220
NTDB id 1387 A4U84 RS06900 WP 020457569.1     TLLQVVNFLNNRDQLPIAQQ...L...............SQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLF   219
consensus                                     ****!* **     *                                      !**** !!* *!*!* *!!*! !****

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NTDB id 1323 RA0C RS07335 WP 004916218.1      IGPPGSGKTMLAKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAH   299
NTDB id 1271 LPP RS03220 WP 011213198.1       SGAPGSGKTMMAKRFSTLLPELSETQALECAAINSIRGKL.PDFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAH   295
NTDB id 1248 GC085 RS03150 WP 011213198.1     SGAPGSGKTMMAKRFSTLLPELSETQALECAAINSIRGKL.PDFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAH   295
NTDB id 63898 X636 RS02265 WP 023872949.1     YGPPGTGKSMLATRLAGLLPALSKAHAVESATLASLSAQG.FDLRHWGRRPVRTPHHTASAAALVGGGSTPRPGEISLAH   319
NTDB id 1153 A1552VC RS00115 WP 000521788.1   LGPPGTGKTMLASRLCDLLPEMSDEEAMETASIASLTQQE.INQHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAH   295
NTDB id 1397 DSB67 RS15690 WP 005535577.1     LGPPGTGKTMLASRLCDLLPEMSDEEAMETASVASLTQSE.INEHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAH   295
NTDB id 1349 HI 1117 AAC22771.1               LGPPGTGKTMLASRLTGLLPEMTDLEAIETASVTSLVQNE.LNFHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLAT   299
NTDB id 1387 A4U84 RS06900 WP 020457569.1     LGPPGTGKTMLASRLADLLPEMEDDEAIETASVTSLVQNE.LNFQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAH   298
consensus                                     *!*!!*!!*!*!*!*   *!!**** *!*!**** !*          ** *!*!*!!!**!  !!!!!!* !*!!!!!!!*
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      NGVLFLDEMPEFKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPN.NTSSSFEMQRYLNKLS   378
NTDB id 1271 LPP RS03220 WP 011213198.1       HGVLFLDELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLS   375
NTDB id 1248 GC085 RS03150 WP 011213198.1     HGVLFLDELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLS   375
NTDB id 63898 X636 RS02265 WP 023872949.1     RGVLFLDELPEFQRRVLEVLREPLEQGHVTISRAGGHATFPAAFQLVAAMNPCPCGDLGHPSRRCRCTADAVARYRNRLS   399
NTDB id 1153 A1552VC RS00115 WP 000521788.1   NGLLFLDEMPEFERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQ..ARANPQSILRYLSRLS   373
NTDB id 1397 DSB67 RS15690 WP 005535577.1     NGLLFLDEMPEFDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQ..ARTNPQAILRYLGRLS   373
NTDB id 1349 HI 1117 AAC22771.1               NGVLFLDELPEFERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTH..NRTSPQQIMRYLNRLS   377
NTDB id 1387 A4U84 RS06900 WP 020457569.1     NGVLFLDELPEFERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTH..NRTSPQQLMRYLNRLS   376
consensus                                     *!*!!!!!*!!! !*!!* *!*!!!**** !!!! * * *!!*!******!!*!*! *  *    * **  * !!* *!!

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NTDB id 1323 RA0C RS07335 WP 004916218.1      GPLLDRIDIHIEVQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLI   456
NTDB id 1271 LPP RS03220 WP 011213198.1       APLLDRIDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFL   451
NTDB id 1248 GC085 RS03150 WP 011213198.1     APLLDRIDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFL   451
NTDB id 63898 X636 RS02265 WP 023872949.1     GPLLDRIDLHVEVPALSAETFAAQ..ADGERSEVVASRVRQAREWQLSRQCQ....LNCALSGRALEMQCALSRDAEAVL   473
NTDB id 1153 A1552VC RS00115 WP 000521788.1   GPLLDRFDMSIEIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFL   448
NTDB id 1397 DSB67 RS15690 WP 005535577.1     GPLLDRFDMSLEIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFL   448
NTDB id 1349 HI 1117 AAC22771.1               GPFLDRFDLSIEVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFL   452
NTDB id 1387 A4U84 RS06900 WP 020457569.1     GPFLDRFDLSIEVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFL   452
consensus                                     *!*!!! !* *****    *       *** *  ** *!  ****** ! *     *!* * ****!  ! !   *  **

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NTDB id 1323 RA0C RS07335 WP 004916218.1      KNAMEKLNLSARAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1271 LPP RS03220 WP 011213198.1       REVMSKLKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1     REVMSKLKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 63898 X636 RS02265 WP 023872949.1     HRAVAQHHWSARTYHRVLRVARTVADLAQCQAIDAHHVAEAVQYREAPS..........   522
NTDB id 1153 A1552VC RS00115 WP 000521788.1   ESALHRLGLSIRAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1     ENALHRLGLSIRAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1349 HI 1117 AAC22771.1               EKALNKLGLSVRAYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
NTDB id 1387 A4U84 RS06900 WP 020457569.1     ENALTKLGLSVRAYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
consensus                                       ** ** *! !*!*!***!*!!*!!*     **    !***!* !* * **    *
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X non conserved

X similar

X $\geq$ 50% conserved