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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPG.KKITINMAPADLRKEGS   77
NTDB id 1020748 ABUE11 RS01055 WP 367067136.1   MSLALVQSRALLGLQAPSVTVEVHLANGLPSFALVGLADVEVKEARERVRSALQNAGLEFPANKKITVNLAPADLPKDSG   80
NTDB id 1271 LPP RS03220 WP 011213198.1         MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPC.RKITVNLGPANLPKTGS   79
NTDB id 1248 GC085 RS03150 WP 011213198.1       MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPC.RKITVNLGPANLPKTGS   79
NTDB id 1397 DSB67 RS15690 WP 005535577.1       MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPA.KRITVNLAPADLPKEGG   79
NTDB id 1153 A1552VC RS00115 WP 000521788.1     MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPA.KRITVNLAPADLPKEGG   79
NTDB id 1349 HI 1117 AAC22771.1                 MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPA.KRITVNLAPADLPKEGG   79
NTDB id 1387 A4U84 RS06900 WP 020457569.1       MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPA.RRITINLAPADLPKEGG   79
consensus                                       **!*** *****!* !* ***!!****!******!!!**  *!!***!***!**! ****!* **!!*!**!!*!*!***

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        AYDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREEGFKGIILPKQNTREAAIVNDLEVYGVE  157
NTDB id 1020748 ABUE11 RS01055 WP 367067136.1   RFDLPIALGILAASGQIDPARLGGWEFAGELSLSGQLRPVRGALATSLALRAQ.QLRLVLPPGSAEEAALVPGAEIWRAR  159
NTDB id 1271 LPP RS03220 WP 011213198.1         GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.NQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 1248 GC085 RS03150 WP 011213198.1       GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.NQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 1397 DSB67 RS15690 WP 005535577.1       RFDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANKK.QRHLVVPHANGDQAALVGKEQHKSAQ  158
NTDB id 1153 A1552VC RS00115 WP 000521788.1     RFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQV.ERCLVVPHSNGDQAALVGVERHKSAQ  158
NTDB id 1349 HI 1117 AAC22771.1                 RFDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQKS.KRELIIAKQNANEASLVSDQNTYFAQ  158
NTDB id 1387 A4U84 RS06900 WP 020457569.1       RFDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASKA.KREIIVPQQNANEVSLVSNTQTYCAS  158
consensus                                       **!!*!!*!!!!!!*!*     *  *****!!*!*! **** ***** *** *    * ****  ** ** **     * **

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NTDB id 1323 RA0C RS07335 WP 004916218.1        NIKEVIDFFNENCPLEPTKVNTRE.EF......HKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTML  230
NTDB id 1020748 ABUE11 RS01055 WP 367067136.1   HLLDVVRHFLPAGSTPEPEPEGDDDGWRRMVAAPPAVHADGPDLADVKGQAAAKRALEIAATGAHGLLLVGPPGSGKSML  239
NTDB id 1271 LPP RS03220 WP 011213198.1         NLREVCDYLCQGTSLQSLPPKPDL..........LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMM  227
NTDB id 1248 GC085 RS03150 WP 011213198.1       NLREVCDYLCQGTSLQSLPPKPDL..........LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMM  227
NTDB id 1397 DSB67 RS15690 WP 005535577.1       SLLEVCAELCGQHQLNLYQTPKKK...........ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTML  227
NTDB id 1153 A1552VC RS00115 WP 000521788.1     SLLEVCADLCGQQTLSLFQSSPSV...........QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTML  227
NTDB id 1349 HI 1117 AAC22771.1                 TLLDVVQFLNGQEKLPLATEIVKE.......SAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTML  231
NTDB id 1387 A4U84 RS06900 WP 020457569.1       TLLQVVNFLNNRDQLPIAQQLSQN.......IAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTML  230
consensus                                        ***!  **     *                      *     !**** !!* *!*!* *!! ! !*** *!*!!*!!*!*

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NTDB id 1323 RA0C RS07335 WP 004916218.1        AKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPE  310
NTDB id 1020748 ABUE11 RS01055 WP 367067136.1   AQRFAGLLPPMQVEQALESAAIASLAGRF.TPQ.QWMQRPTASPHHSCSAVALVGGGSPPRPGEISLAHEGVLFLDEFPE  317
NTDB id 1271 LPP RS03220 WP 011213198.1         AKRFSTLLPELSETQALECAAINSIRGKLPDFR.EWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPE  306
NTDB id 1248 GC085 RS03150 WP 011213198.1       AKRFSTLLPELSETQALECAAINSIRGKLPDFR.EWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPE  306
NTDB id 1397 DSB67 RS15690 WP 005535577.1       ASRLCDLLPEMSDEEAMETASVASLTQSEINEH.NWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPE  306
NTDB id 1153 A1552VC RS00115 WP 000521788.1     ASRLCDLLPEMSDEEAMETASIASLTQQEINQH.NWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPE  306
NTDB id 1349 HI 1117 AAC22771.1                 ASRLTGLLPEMTDLEAIETASVTSLVQNELNFH.NWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPE  310
NTDB id 1387 A4U84 RS06900 WP 020457569.1       ASRLADLLPEMEDDEAIETASVTSLVQNELNFQ.NWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPE  309
consensus                                       ! !*  *!!**** *!*!** * !*         *** *!***!!!* ! *!!!!!!* !*!!!!!!!**!*!!!!!*!!
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NTDB id 1323 RA0C RS07335 WP 004916218.1        FKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHI   389
NTDB id 1020748 ABUE11 RS01055 WP 367067136.1   FARSALEALREPLESGRITIARAAQRAEFPARFQLVAAMNPCPCGFAGSTQRACRCTPDQVARYQGKLSGPLLDRIDLHV   397
NTDB id 1271 LPP RS03220 WP 011213198.1         FNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQV   386
NTDB id 1248 GC085 RS03150 WP 011213198.1       FNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQV   386
NTDB id 1397 DSB67 RS15690 WP 005535577.1       FDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLDRFDMSL   384
NTDB id 1153 A1552VC RS00115 WP 000521788.1     FERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDMSI   384
NTDB id 1349 HI 1117 AAC22771.1                 FERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPFLDRFDLSI   388
NTDB id 1387 A4U84 RS06900 WP 020457569.1       FERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPFLDRFDLSI   387
consensus                                       ! ! *!* *!*!!!**** !*!! *** *!!*!*******!!*!*! *  **     **  * !!* *!!*!*!!! !* *

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NTDB id 1323 RA0C RS07335 WP 004916218.1        EVQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSA   467
NTDB id 1020748 ABUE11 RS01055 WP 367067136.1   EVPQLPATELLGA..PAGESSAAVRERVAQAHERALKRQG....MPNQALQGRQLDEVVALDEAAARFLQTAATRLAWSA   471
NTDB id 1271 LPP RS03220 WP 011213198.1         TIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSA   462
NTDB id 1248 GC085 RS03150 WP 011213198.1       TIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSA   462
NTDB id 1397 DSB67 RS15690 WP 005535577.1       EIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENALHRLGLSI   459
NTDB id 1153 A1552VC RS00115 WP 000521788.1     EIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSI   459
NTDB id 1349 HI 1117 AAC22771.1                 EVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSV   463
NTDB id 1387 A4U84 RS06900 WP 020457569.1       EVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRG....KINAQLTTKEIEQDCKLTDRDALFLENALTKLGLSV   463
consensus                                       *** **   !      *****  ****!  ****** ! *     *!* *******  * !   ** **  ** *!**!

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NTDB id 1323 RA0C RS07335 WP 004916218.1        RAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1020748 ABUE11 RS01055 WP 367067136.1   RGTHRALKVARTIADLAGSGPVSVAHVAEAIQYRRVLRAQGS......   513
NTDB id 1271 LPP RS03220 WP 011213198.1         RGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1       RGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1397 DSB67 RS15690 WP 005535577.1       RAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1153 A1552VC RS00115 WP 000521788.1     RAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   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