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logo

NTDB id 1323 RA0C RS07335 WP 004916218.1      ..MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGS   77
NTDB id 1271 LPP RS03220 WP 011213198.1       .MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGS   79
NTDB id 1248 GC085 RS03150 WP 011213198.1     .MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGS   79
NTDB id 198000 BI364 RS15680 WP 070079533.1  MMSLARVYTRAQLGIDAPEVCVEVHLSNGLPSLSIVGLPEAAVRESKDRVRAAILNSHFEFPARRITVNLAPADLPKEGG   80
NTDB id 1153 A1552VC RS00115 WP 000521788.1  .MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPAKRITVNLAPADLPKEGG   79
NTDB id 1397 DSB67 RS15690 WP 005535577.1    .MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGG   79
NTDB id 1387 A4U84 RS06900 WP 020457569.1    .MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPARRITINLAPADLPKEGG   79
NTDB id 1349 HI 1117 AAC22771.1               .MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPAKRITVNLAPADLPKEGG   79
consensus                                      **!* * *****!* !* ***!!****!*****!!!**  **!***!***!**!*****!***!!*!**!!*!*!*!*

logo

NTDB id 1323 RA0C RS07335 WP 004916218.1      AYDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREEGFKGIILPKQNTREAAIVNDLEVYGVE  157
NTDB id 1271 LPP RS03220 WP 011213198.1       GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.NQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 1248 GC085 RS03150 WP 011213198.1     GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.NQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 198000 BI364 RS15680 WP 070079533.1  RFDLPIALGILAASGQLPAESLDEIEFIGELALDGHLRGIRGALPAALATRAA.GRSLLVPEQCVSEAGLVEGLPLYAAN  159
NTDB id 1153 A1552VC RS00115 WP 000521788.1  RFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQV.ERCLVVPHSNGDQAALVGVERHKSAQ  158
NTDB id 1397 DSB67 RS15690 WP 005535577.1    RFDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANKK.QRHLVVPHANGDQAALVGKEQHKSAQ  158
NTDB id 1387 A4U84 RS06900 WP 020457569.1    RFDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASKA.KREIIVPQQNANEVSLVSNTQTYCAS  158
NTDB id 1349 HI 1117 AAC22771.1               RFDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQKS.KRELIIAKQNANEASLVSDQNTYFAQ  158
consensus                                     **!!*!!*!!!!!!!*!*     *    ****!!*!*! **** ***!* *** *   * ****  ** ** **     * **

logo

NTDB id 1323 RA0C 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 198000 BI364 RS15680 WP 070079533.1  HLLQVCAHLAGRERLALHRSQPQQIPE....RWDTDLSDIRGQHQARRALEVAAAGGHNLLMIGPISPILM.........  226
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                                      ***!* **     ! *                    !**** !!* ***!* *!!*! !*** *!**********  **   *

logo

NTDB id 1323 RA0C RS07335 WP 004916218.1      LPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEFKRTVLE  317
NTDB id 1271 LPP RS03220 WP 011213198.1       LPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLE  313
NTDB id 1248 GC085 RS03150 WP 011213198.1     LPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLE  313
NTDB id 198000 BI364 RS15680 WP 070079533.1  ..................................................................................  226
NTDB id 1153 A1552VC RS00115 WP 000521788.1  LPEMSDEEAMETASIASLTQQEINQ.HNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFRKVLD  313
NTDB id 1397 DSB67 RS15690 WP 005535577.1    LPEMSDEEAMETASVASLTQSEINE.HNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFDRKVLD  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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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      VMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHIEVQKVEF   396
NTDB id 1271 LPP RS03220 WP 011213198.1       TLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQ   393
NTDB id 1248 GC085 RS03150 WP 011213198.1     TLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQ   393
NTDB id 198000 BI364 RS15680 WP 070079533.1   ......................................................................................   226
NTDB id 1153 A1552VC RS00115 WP 000521788.1   SLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDMSIEIPALPK   391
NTDB id 1397 DSB67 RS15690 WP 005535577.1     SLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLDRFDMSLEIPALPK   391
NTDB id 1387 A4U84 RS06900 WP 020457569.1     ALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPFLDRFDLSIEVPLLPQ   394
NTDB id 1349 HI 1117 AAC22771.1               ALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPFLDRFDLSIEVPLLPQ   395
consensus                                      **  ******* ****  *  * ***************  *   *       **   *  ***  *********  **  ***   *
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logo
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 GC085 RS03150 WP 011213198.1     EELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYHRLL   469
NTDB id 198000 BI364 RS15680 WP 070079533.1   ......................................................................................   226
NTDB id 1153 A1552VC RS00115 WP 000521788.1   GTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRII   466
NTDB id 1397 DSB67 RS15690 WP 005535577.1     GTLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRAYHRII   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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logo
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 198000 BI364 RS15680 WP 070079533.1   ........................................   226
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