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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA   78
NTDB id 54016 BN117 RS09890 WP 015039592.1    MTLAVLASRAIAGWQAPAVRVETHLGSGLPAFAIVGLPDVEVRESRERVRAAIQNSGFDFPPGRITVNLSPADLPKASAR   80
NTDB id 1271 LPP RS03220 WP 011213198.1       MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 1248 GC085 RS03150 WP 011213198.1     MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 1397 DSB67 RS15690 WP 005535577.1     MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGR   80
NTDB id 1153 A1552VC RS00115 WP 000521788.1   MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPAKRITVNLAPADLPKEGGR   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 RA0C RS07335 WP 004916218.1      YDLSIALGILAASGQIIAPE.....IERYLIMGELSLDGGLQPIKGVLPIAIRA.REEGFKGIILPKQNTREAAIVNDLE  152
NTDB id 54016 BN117 RS09890 WP 015039592.1    FDLPIALGILLASGQVAASAAQTAALPDCVWAAELSLSGAPVPLAAPLALALAVAREQPGATLVLPAGSAAVAAWVPGIR  160
NTDB id 1271 LPP RS03220 WP 011213198.1       FDLPIALGILAASEQIPLTN.....LANHEFIGELALSGELRGVSAIIPAVLA..AHKDNQHLIIANANAAEASLTGHQK  153
NTDB id 1248 GC085 RS03150 WP 011213198.1     FDLPIALGILAASEQIPLTN.....LANHEFIGELALSGELRGVSAIIPAVLA..AHKDNQHLIIANANAAEASLTGHQK  153
NTDB id 1397 DSB67 RS15690 WP 005535577.1     FDLPIALGILAASEQIATDK.....LKNYEFVGELALSGGLRTVKGVLPAALA..ANKKQRHLVVPHANGDQAALVGKEQ  153
NTDB id 1153 A1552VC RS00115 WP 000521788.1   FDLPIALGILAASDQIARNK.....LESYEFIGELALSGEIRGVKGVLPAALA..ANQVERCLVVPHSNGDQAALVGVER  153
NTDB id 1387 A4U84 RS06900 WP 020457569.1     FDLPIAIGILAASGQIDSDK.....LKRIELLGELSLTGHLRGVHGAIPAVLA..ASKAKREIIVPQQNANEVSLVSNTQ  153
NTDB id 1349 HI 1117 AAC22771.1               FDLPIAIGILAASDQLDASH.....LKQFEFVAELALTGQLRGVHGVIPAILA..AQKSKRELIIAKQNANEASLVSDQN  153
consensus                                     *!!*!!*!!!*!!*!*          *   ****!!*!*! **** ***** **  * *  * ****  ** ** **

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      VYGVENIKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTMLAK  232
NTDB id 54016 BN117 RS09890 WP 015039592.1    VLAAHTLGEAAAYLAGHAELAPAERRSWP.....EVEPGPCLSDVRGQPAARRALEVAAAGGHSLLMCGPPGAGKSMLAQ  235
NTDB id 1271 LPP RS03220 WP 011213198.1       VFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAK  229
NTDB id 1248 GC085 RS03150 WP 011213198.1     VFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAK  229
NTDB id 1397 DSB67 RS15690 WP 005535577.1     HKSAQSLLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLAS  229
NTDB id 1153 A1552VC RS00115 WP 000521788.1   HKSAQSLLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLAS  229
NTDB id 1387 A4U84 RS06900 WP 020457569.1     TYCASTLLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTMLAS  232
NTDB id 1349 HI 1117 AAC22771.1               TYFAQTLLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLAS  233
consensus                                      * ****  **   **      !                    *****  !!* ***!* *!!*!  !***  *!*!!*!!*!*!

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NTDB id 1323 RA0C RS07335 WP 004916218.1      RIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEFK  312
NTDB id 54016 BN117 RS09890 WP 015039592.1    RLPGLLPPLEQRQALEVAAIAGAGGAPEV...LRGQPPFRAPHHSASAAALVGGGARPRPGEISLAHHGVLFLDELPEFE  312
NTDB id 1271 LPP RS03220 WP 011213198.1       RFSTLLPELSETQALECAAINSIRGKLPD.FREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFN  308
NTDB id 1248 GC085 RS03150 WP 011213198.1     RFSTLLPELSETQALECAAINSIRGKLPD.FREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFN  308
NTDB id 1397 DSB67 RS15690 WP 005535577.1     RLCDLLPEMSDEEAMETASVASLTQSEIN.EHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFD  308
NTDB id 1153 A1552VC RS00115 WP 000521788.1   RLCDLLPEMSDEEAMETASIASLTQQEIN.QHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFE  308
NTDB id 1387 A4U84 RS06900 WP 020457569.1     RLADLLPEMEDDEAIETASVTSLVQNELN.FQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEFE  311
NTDB id 1349 HI 1117 AAC22771.1               RLTGLLPEMTDLEAIETASVTSLVQNELN.FHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEFE  312
consensus                                     !*   *!!**** *!*!** * **          ** *!!!*!!!**!  !!!!!!* !*!!!!!!!**!*!!!!!*!!!*
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      RTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHIEV   391
NTDB id 54016 BN117 RS09890 WP 015039592.1    RRALESLREPLETGKVVISRALHSVEYPAVFQLVAAMNPCPCGWRGHASKACRCTPDQVRRYAARVSGPLVDRIDLWIEL   392
NTDB id 1271 LPP RS03220 WP 011213198.1       RQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTI   388
NTDB id 1248 GC085 RS03150 WP 011213198.1     RQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTI   388
NTDB id 1397 DSB67 RS15690 WP 005535577.1     RKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLDRFDMSLEI   386
NTDB id 1153 A1552VC RS00115 WP 000521788.1   RKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDMSIEI   386
NTDB id 1387 A4U84 RS06900 WP 020457569.1     RKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPFLDRFDLSIEV   389
NTDB id 1349 HI 1117 AAC22771.1               RKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPFLDRFDLSIEV   390
consensus                                     !**!***!*!!!*****!!!! * * *!!*!******!!*!*! *   *      **   * !!* **!*!**!! !* ***

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NTDB id 1323 RA0C RS07335 WP 004916218.1      QKVEFDQLSD..KRKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSARA   469
NTDB id 54016 BN117 RS09890 WP 015039592.1    PATEPQWLAEP...PGEPSLPVRERVARCRQRQLARQG....CLNAKLSGPALDAHCALGAAARTLLQQAMRRLGGSARA   465
NTDB id 1271 LPP RS03220 WP 011213198.1       HALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARG   464
NTDB id 1248 GC085 RS03150 WP 011213198.1     HALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARG   464
NTDB id 1397 DSB67 RS15690 WP 005535577.1     PALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRA   461
NTDB id 1153 A1552VC RS00115 WP 000521788.1   PALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRA   461
NTDB id 1387 A4U84 RS06900 WP 020457569.1     PLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRG....KINAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRA   465
NTDB id 1349 HI 1117 AAC22771.1               PLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRA   465
consensus                                     ***    !      *** *  ****! * ******! *     *!! * *****  ! !   *  **  ** *!**! !*

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NTDB id 1323 RA0C RS07335 WP 004916218.1      YDRILKVSRTIADLEREINIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 54016 BN117 RS09890 WP 015039592.1    AHRALRVARTLADLAHEPEIGAAHIAEAVQYRRPT...........   500
NTDB id 1271 LPP RS03220 WP 011213198.1       YHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1     YHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1397 DSB67 RS15690 WP 005535577.1     YHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1153 A1552VC RS00115 WP 000521788.1   YHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1387 A4U84 RS06900 WP 020457569.1     YHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
NTDB id 1349 HI 1117 AAC22771.1               YHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
consensus                                     **!***!*!!*!!*  * **   !***!* !* * **   *
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X non conserved

X similar

X $\geq$ 50% conserved