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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 387357 FOB72 RS13310 WP 150372946.1 MSLAVLRSRALTGIDAPPVSVETHLANGLPAFHIVGLAETEVREARERVRAALLHCAFDFPSRRITVNLAPADLPKDSGR   80
NTDB id 1153 A1552VC RS00115 WP 000521788.1 MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPAKRITVNLAPADLPKEGGR   80
NTDB id 1397 DSB67 RS15690 WP 005535577.1   MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGR   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     YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRARE.........EGFKGIILPKQNTREAAIVN  149
NTDB id 1271 LPP RS03220 WP 011213198.1      FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAH..........KDNQHLIIANANAAEASLTG  150
NTDB id 1248 GC085 RS03150 WP 011213198.1    FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAH..........KDNQHLIIANANAAEASLTG  150
NTDB id 387357 FOB72 RS13310 WP 150372946.1 FDLPIALGILAASGQLPADRLDDVEFIGELSLSGELRPVRGALAMAMGVAQGNALRARFGSDPRAFVVPAGNGPEAALID  160
NTDB id 1153 A1552VC RS00115 WP 000521788.1 FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAAN..........QVERCLVVPHSNGDQAALVG  150
NTDB id 1397 DSB67 RS15690 WP 005535577.1   FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAAN..........KKQRHLVVPHANGDQAALVG  150
NTDB id 1387 A4U84 RS06900 WP 020457569.1   FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAAS..........KAKREIIVPQQNANEVSLVS  150
NTDB id 1349 HI 1117 AAC22771.1              FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQ..........KSKRELIIAKQNANEASLVS  150
consensus                                    *!!*!!*!!!!!!*!*    *   ****!!*!*! **** ***** ***           *  * ****  !* ** **

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NTDB id 1323 RA0C RS07335 WP 004916218.1     DLEVYGVENIKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTM  229
NTDB id 1271 LPP RS03220 WP 011213198.1      HQKVFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTM  226
NTDB id 1248 GC085 RS03150 WP 011213198.1    HQKVFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTM  226
NTDB id 387357 FOB72 RS13310 WP 150372946.1 GLRVLPADTLAEVCAHLAGQPEHQIAPARA..PALAARPAEGPDLVDVRGQLQARRAMEIAAAGQHSALLVGPPGTGKSM  238
NTDB id 1153 A1552VC RS00115 WP 000521788.1 VERHKSAQSLLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTM  226
NTDB id 1397 DSB67 RS15690 WP 005535577.1   KEQHKSAQSLLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTM  226
NTDB id 1387 A4U84 RS06900 WP 020457569.1   NTQTYCASTLLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTM  229
NTDB id 1349 HI 1117 AAC22771.1              DQNTYFAQTLLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTM  230
consensus                                        * ****  *!* **   *   *  *                !**** !!* ***!* *!!*!*!*** *!*!!*!!*!

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NTDB id 1323 RA0C RS07335 WP 004916218.1     LAKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMP  309
NTDB id 1271 LPP RS03220 WP 011213198.1      MAKRFSTLLPELSETQALECAAINSIRGKL.PDFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELP  305
NTDB id 1248 GC085 RS03150 WP 011213198.1    MAKRFSTLLPELSETQALECAAINSIRGKL.PDFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELP  305
NTDB id 387357 FOB72 RS13310 WP 150372946.1 LAQRFAGLLPPMTHEEALEAAAVSSLTAAG.FQSSAWGRRPFRAPHHTASAAALVGGGGNPRPGEISLAHHGVLFLDELP  317
NTDB id 1153 A1552VC RS00115 WP 000521788.1 LASRLCDLLPEMSDEEAMETASIASLTQQE.INQHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMP  305
NTDB id 1397 DSB67 RS15690 WP 005535577.1   LASRLCDLLPEMSDEEAMETASVASLTQSE.INEHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMP  305
NTDB id 1387 A4U84 RS06900 WP 020457569.1   LASRLADLLPEMEDDEAIETASVTSLVQNE.LNFQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELP  308
NTDB id 1349 HI 1117 AAC22771.1              LASRLTGLLPEMTDLEAIETASVTSLVQNE.LNFHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELP  309
consensus                                    *! !*  *!!**** *!*!** * !*       *   ** *!!!*!!!**!  !!!!!!* !*!!!!!!!**!*!!!!!*!
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NTDB id 1323 RA0C RS07335 WP 004916218.1      EFKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDP.NNTSSSFEMQRYLNKLSGPLLDRIDIH   388
NTDB id 1271 LPP RS03220 WP 011213198.1       EFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQ   385
NTDB id 1248 GC085 RS03150 WP 011213198.1     EFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQ   385
NTDB id 387357 FOB72 RS13310 WP 150372946.1   EFERRVLEVLREPLETGHITISRATAHADFPARFQFIAAMNPCPCGYLGHASRPCRCTPDQIRRYQSRVSGPLLDRIDLQ   397
NTDB id 1153 A1552VC RS00115 WP 000521788.1   EFERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGS..QARANPQSILRYLSRLSGPLLDRFDMS   383
NTDB id 1397 DSB67 RS15690 WP 005535577.1     EFDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGN..QARTNPQAILRYLGRLSGPLLDRFDMS   383
NTDB id 1387 A4U84 RS06900 WP 020457569.1     EFERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGT..HNRTSPQQLMRYLNRLSGPFLDRFDLS   386
NTDB id 1349 HI 1117 AAC22771.1               EFERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGT..HNRTSPQQIMRYLNRLSGPFLDRFDLS   387
consensus                                     !!*!*!!* *!*!!!**** !!!! * * *!!*!*****!!*!*! *  *  * * **  * !!* **!*!*!!! !*

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NTDB id 1323 RA0C RS07335 WP 004916218.1      IEVQKVEFDQLSD..KRKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLS   466
NTDB id 1271 LPP RS03220 WP 011213198.1       VTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLS   461
NTDB id 1248 GC085 RS03150 WP 011213198.1     VTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLS   461
NTDB id 387357 FOB72 RS13310 WP 150372946.1   IEVPAQHHEEMLD..GPVGETTEAVRARVIVARERQLARQG....KPNGDLGGREIDALCPLEAAARELLRAAMHKLAWS   471
NTDB id 1153 A1552VC RS00115 WP 000521788.1   IEIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALHRLGLS   458
NTDB id 1397 DSB67 RS15690 WP 005535577.1     LEIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENALHRLGLS   458
NTDB id 1387 A4U84 RS06900 WP 020457569.1     IEVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRG....KINAQLTTKEIEQDCKLTDRDALFLENALTKLGLS   462
NTDB id 1349 HI 1117 AAC22771.1               IEVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGLS   462
consensus                                     ******    *      *****  ** *!  *******! *    **!* * *****  ! !   *  **  ** *!**!

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NTDB id 1323 RA0C RS07335 WP 004916218.1      ARAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1271 LPP RS03220 WP 011213198.1       ARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1     ARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 387357 FOB72 RS13310 WP 150372946.1   ARAYFRVLKVARTVADLDGTDTLAVRHVAEAIQYRRALRSG........   512
NTDB id 1153 A1552VC RS00115 WP 000521788.1   IRAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1     IRAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1387 A4U84 RS06900 WP 020457569.1     VRAYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
NTDB id 1349 HI 1117 AAC22771.1               VRAYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
consensus                                      !*!*!**!!*!!*!!* *  **   !***!* !* *  **   *
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X non conserved

X similar

X $\geq$ 50% conserved