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logo
NTDB id 1323 RAOC RS07335 WP 004916218.1      .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA   78
NTDB id 1271 LPP RS03220 WP 011213198.1       MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 1248 GCO85 RS03150 WP 011213198.1     MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 48881 RSPO RS14730 WP 014618079.1     MSLAVLRSRALAGIDAPAVSVEVHLANGLPSFTIVGLPDTEVKESKDRVRAAIQNSRFEFPTRRITVNLAPADLPKESGR   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 RAOC RS07335 WP 004916218.1      YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAR.........EEGFKGIILPKQNTREAAIVN  149
NTDB id 1271 LPP RS03220 WP 011213198.1       FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAH..........KDNQHLIIANANAAEASLTG  150
NTDB id 1248 GCO85 RS03150 WP 011213198.1     FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAH..........KDNQHLIIANANAAEASLTG  150
NTDB id 48881 RSPO RS14730 WP 014618079.1     FDLPIALGILAASRQIPQTHLDTHEFAGELSLSGDLRPIRGALAMAYALSCHPGSPDGDAPLARAFVLPDENAAEAALVS  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 RAOC RS07335 WP 004916218.1      DLEVYGVENIKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTM  229
NTDB id 1271 LPP RS03220 WP 011213198.1       HQKVFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTM  226
NTDB id 1248 GCO85 RS03150 WP 011213198.1     HQKVFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTM  226
NTDB id 48881 RSPO RS14730 WP 014618079.1     GTRVLPARTLIEVCDHLSAPDRKLAPAAPA....PVGTGTRYPDLADVRGQPQARRALEVAAAGGHSMLMIGPPGTGKSM  236
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 RAOC RS07335 WP 004916218.1      LAKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMP  309
NTDB id 1271 LPP RS03220 WP 011213198.1       MAKRFSTLLPELSETQALECAAINSIRGKLP.DFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELP  305
NTDB id 1248 GCO85 RS03150 WP 011213198.1     MAKRFSTLLPELSETQALECAAINSIRGKLP.DFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELP  305
NTDB id 48881 RSPO RS14730 WP 014618079.1     LAQRFPGLLPDMDDDEALSAAAVMSLTTRGF.DAQRWKVRPFRAPHHTASAVAMVGGGNTPRPGEISLAHQGVLFLDELP  315
NTDB id 1153 A1552VC RS00115 WP 000521788.1   LASRLCDLLPEMSDEEAMETASIASLTQQEI.NQHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMP  305
NTDB id 1397 DSB67 RS15690 WP 005535577.1     LASRLCDLLPEMSDEEAMETASVASLTQSEI.NEHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMP  305
NTDB id 1387 A4U84 RS06900 WP 020457569.1     LASRLADLLPEMEDDEAIETASVTSLVQNEL.NFQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELP  308
NTDB id 1349 HI 1117 AAC22771.1               LASRLTGLLPEMTDLEAIETASVTSLVQNEL.NFHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELP  309
consensus                                     *! !*   *!!**** *!**** * !*          ****!!!*!!!**! *!*!!!!* !*!!!!!!!**!*!!!!!*!
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logo
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 48881 RSPO RS14730 WP 014618079.1     EFERRVLEVLREPLETGHITISRAAHQTDFPASFQLIAAMNPCPCGYRGHPLRACRCTPDQVERYQARISGPLLDRIDVQ   395
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 48881 RSPO RS14730 WP 014618079.1     IEVPTPSQEELLD..GPPGEPTAAVAARVAAAHARQLARQG....KRNALLAGHEIDLHCPRTEAADGLLRQAMTRFSWS   469
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 48881 RSPO RS14730 WP 014618079.1     ARAYARVLKLARTIADLAGDAAVDTAHIGEAIQYRRGVKAD........   510
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