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logo
NTDB id 1323 RAOC RS07335 WP 004916218.1      .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPG.KKITINMAPADLRKEGS   77
NTDB id 404764 GNX71 RS01260 WP 206176644.1   MSLSLVQSRALLGLEAADVTVEVHLANGLPSFTLVGLAETEVKESRDRVRSAIQNAGLEFPNNKKIVVSLAPADLPKDSG   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 1153 A1552VC RS00115 WP 000521788.1   MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPA.KRITVNLAPADLPKEGG   79
NTDB id 1397 DSB67 RS15690 WP 005535577.1     MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPA.KRITVNLAPADLPKEGG   79
NTDB id 1349 HI 1117 AAC22771.1               MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPA.KRITVNLAPADLPKEGG   79
NTDB id 1387 A4U84 RS06900 WP 020457569.1     MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPA.RRITINLAPADLPKEGG   79
consensus                                     **!*** *****!* !   ***!!****!*****!!!*** *!!***!***!**! ****!* **!*****!!*!*!***

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NTDB id 1323 RAOC RS07335 WP 004916218.1      AYDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREEGF.KGIILPKQNTREAAIVNDLEVYGV  156
NTDB id 404764 GNX71 RS01260 WP 206176644.1   RFDLPIALGILAASEQIQGARLAGHEFAGELSLSGELRPVRGALAMALALHTRGVATKLVLPMDSAQEAALVPGGEVYGA  160
NTDB id 1271 LPP RS03220 WP 011213198.1       GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHK..DNQHLIIANANAAEASLTGHQKVFTA  157
NTDB id 1248 GC085 RS03150 WP 011213198.1     GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHK..DNQHLIIANANAAEASLTGHQKVFTA  157
NTDB id 1153 A1552VC RS00115 WP 000521788.1   RFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQ..VERCLVVPHSNGDQAALVGVERHKSA  157
NTDB id 1397 DSB67 RS15690 WP 005535577.1     RFDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANK..KQRHLVVPHANGDQAALVGKEQHKSA  157
NTDB id 1349 HI 1117 AAC22771.1               RFDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQK..SKRELIIAKQNANEASLVSDQNTYFA  157
NTDB id 1387 A4U84 RS06900 WP 020457569.1     RFDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASK..AKREIIVPQQNANEVSLVSNTQTYCA  157
consensus                                     **!!*!!*!!!!!!!*!*     *    ****!!*!*! **** ***** *** *    * ****  ** ** **     * *

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NTDB id 1323 RAOC RS07335 WP 004916218.1      ENIKEVIDFFNENCPLEPTKVNTREEF.......HKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTM  229
NTDB id 404764 GNX71 RS01260 WP 206176644.1   RHLLDVVQQFIPEDDDRAAAPEPPDDGWARIQVTPAIAAAPYADLAEVKGHAGAKRALEIAAAGGHSLLMVGEPGSGKSM  240
NTDB id 1271 LPP RS03220 WP 011213198.1       NNLREVCDYLCQGTSLQSL.PPKPDL..........LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTM  226
NTDB id 1248 GC085 RS03150 WP 011213198.1     NNLREVCDYLCQGTSLQSL.PPKPDL..........LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTM  226
NTDB id 1153 A1552VC RS00115 WP 000521788.1   QSLLEVCADLCGQQTLSLF.QSSPSV..........QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTM  226
NTDB id 1397 DSB67 RS15690 WP 005535577.1     QSLLEVCAELCGQHQLNLY.QTPKKK..........ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTM  226
NTDB id 1349 HI 1117 AAC22771.1               QTLLDVVQFLNGQEKLPLA.TEIVKESA......VNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTM  230
NTDB id 1387 A4U84 RS06900 WP 020457569.1     STLLQVVNFLNNRDQLPIA.QQLSQNIA......EN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTM  229
consensus                                     * ***!  **     *                          !**** !** *!*!* *!!*! !*** *!*!!*!!*!

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NTDB id 1323 RAOC RS07335 WP 004916218.1      LAKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMP  309
NTDB id 404764 GNX71 RS01260 WP 206176644.1   LAQRFAGLLPAMSIDEALESAAVASLGGR.FAT.ERWMCRPTSAPHHTSSAVALVGGGSPPRPGEISRAHHGVLFLDEFP  318
NTDB id 1271 LPP RS03220 WP 011213198.1       MAKRFSTLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELP  305
NTDB id 1248 GC085 RS03150 WP 011213198.1     MAKRFSTLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELP  305
NTDB id 1153 A1552VC RS00115 WP 000521788.1   LASRLCDLLPEMSDEEAMETASIASLTQQEINQ.HNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMP  305
NTDB id 1397 DSB67 RS15690 WP 005535577.1     LASRLCDLLPEMSDEEAMETASVASLTQSEINE.HNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMP  305
NTDB id 1349 HI 1117 AAC22771.1               LASRLTGLLPEMTDLEAIETASVTSLVQNELNF.HNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELP  309
NTDB id 1387 A4U84 RS06900 WP 020457569.1     LASRLADLLPEMEDDEAIETASVTSLVQNELNF.QNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELP  308
consensus                                     *! !*  *!!**** *!*!** * !*          ** *!***!!!* ! *!!!!!!* !*!!!!!*!**!*!!!!!*!
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NTDB id 1323 RA0C RS07335 WP 004916218.1      EFKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIH   388
NTDB id 404764 GNX71 RS01260 WP 206176644.1  EFARSALEALREPLETGTITIARAARRAEFPARFQLIAAMNPCPCGYLGSSLKSCRCTPDQVSRYQGKLSGPLLDRIDLH   398
NTDB id 1271 LPP RS03220 WP 011213198.1      EFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQ   385
NTDB id 1248 GC085 RS03150 WP 011213198.1    EFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQ   385
NTDB id 1153 A1552VC RS00115 WP 000521788.1  EFERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDMS   383
NTDB id 1397 DSB67 RS15690 WP 005535577.1    EFDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLDRFDMS   383
NTDB id 1349 HI 1117 AAC22771.1              EFERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPFLDRFDLS   387
NTDB id 1387 A4U84 RS06900 WP 020457569.1    EFERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPFLDRFDLS   386
consensus                                    !! ! *!* *!*!!!**** !*!! *** *!!*!******!!*!*! *  *      **  * !!* *!!*!*!!! !*

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NTDB id 1323 RA0C RS07335 WP 004916218.1      IEVQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLS   466
NTDB id 404764 GNX71 RS01260 WP 206176644.1  IEVPAVSAQQLLDS..PPGESTESIRSRVVAARERAMRRQGH....ANQNLQGSAIDKYAALDATALKFIYNAAAKLGWS   472
NTDB id 1271 LPP RS03220 WP 011213198.1      VTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLS   461
NTDB id 1248 GC085 RS03150 WP 011213198.1    VTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLS   461
NTDB id 1153 A1552VC RS00115 WP 000521788.1  IEIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLESALHRLGLS   458
NTDB id 1397 DSB67 RS15690 WP 005535577.1    LEIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLENALHRLGLS   458
NTDB id 1349 HI 1117 AAC22771.1              IEVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLS   462
NTDB id 1387 A4U84 RS06900 WP 020457569.1    IEVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLENALTKLGLS   462
consensus                                    ******    !      *****  ** *!  ****** ! *     *!*********  * !   *  **  ** *!**!

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NTDB id 1323 RA0C RS07335 WP 004916218.1      ARAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 404764 GNX71 RS01260 WP 206176644.1  ARSTHRALKVARTIADLAASETVQVVHVAEAVQYRRGLHGAA.......   514
NTDB id 1271 LPP RS03220 WP 011213198.1      ARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1    ARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1153 A1552VC RS00115 WP 000521788.1  IRAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1    IRAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1349 HI 1117 AAC22771.1              VRAYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
NTDB id 1387 A4U84 RS06900 WP 020457569.1    VRAYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
consensus                                     !***!**!!*!!!!!* *  **    !***!* !* * **    *
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X non conserved

X similar

X $\geq$ 50% conserved