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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPG.KKITINMAPADLRKEGS    77
NTDB id 291242 DEH84 RS13635 WP 109037345.1  MSLALVRSRALDGLRAPEITVEVHLANGLPAFTLVGLADTEVKEAREREVRAALANCGLDFPFNKRITVNLAPADLPKESG    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                                    **!*** *****!* !* ***!!****!*****!!!*** *!!***!***!**! ****!* **!!*!**!!*!*!***

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      AYDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRARE.......EGFKGIILPKQNTREAAIVND   150
NTDB id 291242 DEH84 RS13635 WP 109037345.1  RFDLPIAIGILTAMGQLDAERVAAFEFAGELSLGGELRPVRGALPMALALHRAALQAGERPPRALVLPASSAREAALVNG   160
NTDB id 1271 LPP RS03220 WP 011213198.1      GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHK........DNQHLIIANANAAEASLTGH   151
NTDB id 1248 GC085 RS03150 WP 011213198.1    GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHK........DNQHLIIANANAAEASLTGH   151
NTDB id 1153 A1552VC RS00115 WP 000521788.1 RFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQ........VERCLVVPHSNGDQAALVGV   151
NTDB id 1397 DSB67 RS15690 WP 005535577.1   RFDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANK........KQRHLVVPHANGDQAALVGK   151
NTDB id 1349 HI 1117 AAC22771.1              RFDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQK........SKRELIIAKQNANEASLVSD   151
NTDB id 1387 A4U84 RS06900 WP 020457569.1    RFDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASK........AKREIIVPQQNANEVSLVSN   151
consensus                                    **!!*!!*!!!!*!**!*     *  ****!!*!*! **** ***!* *** *          * ****  ** ** **

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NTDB id 1323 RA0C RS07335 WP 004916218.1      LEVYGVENIKEVIDFFNENCPLEPTKVNT.REEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTM   229
NTDB id 291242 DEH84 RS13635 WP 109037345.1  APLYGAAHLMDVVNALRVEGAEPGGLVRMVTEGGLAPSAIGQPDLRDVKGQSAAKRALEVAAAGRHSLLMVGPPGTGKSM   240
NTDB id 1271 LPP RS03220 WP 011213198.1      QKVFTANNLREVCDYLCQGTSLQSL.PPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTM   226
NTDB id 1248 GC085 RS03150 WP 011213198.1    QKVFTANNLREVCDYLCQGTSLQSL.PPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTM   226
NTDB id 1153 A1552VC RS00115 WP 000521788.1 ERHKSAQSLLEVCADLCGQQTLSLF.QSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTM   226
NTDB id 1397 DSB67 RS15690 WP 005535577.1   EQHKSAQSLLEVCAELCGQHQLNLY.QTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTM   226
NTDB id 1349 HI 1117 AAC22771.1              QNTYFAQTLLDVVQFLNGQEKLPLA.TEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTM   230
NTDB id 1387 A4U84 RS06900 WP 020457569.1    TQTYCASTLLQVVNFLNNRDQLPIA.QQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTM   229
consensus                                       * ** ***!  **     *                      !**** !!* *!*!* *!!*! !*** *!*!!*!!*!

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NTDB id 1323 RA0C RS07335 WP 004916218.1      LAKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMP   309
NTDB id 291242 DEH84 RS13635 WP 109037345.1  LAQRFPGLLPPLDQDEALESAAVLSLAGH.FDP.SRWMQRVMRSPHHSASAVAMVGGGSPPRPGEISLAHHGLLFLDELP   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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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      EFKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIH   388
NTDB id 291242 DEH84 RS13635 WP 109037345.1  EFPRAALEALREPLETGHITISRAVRRHDFPARFQLLAAMNPCPCGHFGNPLKSCRCTPEQVTRYQSRLSGPLLDRIDVQ   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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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      IEVQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLS   466
NTDB id 291242 DEH84 RS13635 WP 109037345.1  VDVPMVAPEVLARS..PDGESTAEVAERVAAARARQLGRQGV....LNASLEGAALTEHARVHADAMAFLQTACGRLGWS   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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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      ARAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 291242 DEH84 RS13635 WP 109037345.1  GRAFHRVLRLARTIADLGGAADVLTAHVAEAIQYRRVLQVAS.......   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