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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPG.KKITINMAPADLRKEGS   77
NTDB id 1058001 ACFJIS RS07790 WP 390347348.1  MSLSLVQSRALLGLEAAAVTVEVHLANGLPSFTLVGLAETEVKEARERVRSAIQNAGLEFPTNKKIVVNLAPADLPKDSG   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 1387 A4U84 RS06900 WP 020457569.1      MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPA.RRITINLAPADLPKEGG   79
NTDB id 1349 HI 1117 AAC22771.1                MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPA.KRITVNLAPADLPKEGG   79
consensus                                      **!*** *****!* !   ***!!****!*****!!!*** *!!***!***!**! ****!* **!**!**!!*!*!***

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        AYDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREEGF.KGIILPKQNTREAAIVNDLEVYGV  156
NTDB id 1058001 ACFJIS RS07790 WP 390347348.1  RFDLPIALGILAASGQIENARLAGHEFAGELSLSGELRPVRGALAMAVATYTQGTAVRLVLPLDSAQEAALVPGAQVYGA  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 1387 A4U84 RS06900 WP 020457569.1      RFDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASK..AKREIIVPQQNANEVSLVSNTQTYCA  157
NTDB id 1349 HI 1117 AAC22771.1                RFDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQK..SKRELIIAKQNANEASLVSDQNTYFA  157
consensus                                      **!!*!!*!!!!!!*!*    *   ****!!*!*! **** ***** *** *    * ****  ** ** **     * *

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NTDB id 1323 RA0C RS07335 WP 004916218.1        ENIKEVIDFFNENCPLEPTKVNTRE....EFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTMLAK  232
NTDB id 1058001 ACFJIS RS07790 WP 390347348.1  RHLLDVVRQFVASGGGPVDASDDGWTRVRAAPGDGAPRYADLADVKGHTGAKRALEIAAAGGHSLLMVGEPGSGKSMLAH  240
NTDB id 1271 LPP RS03220 WP 011213198.1        NNLREVCDYLCQGTSLQSLPPKPDL........LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAK  229
NTDB id 1248 GC085 RS03150 WP 011213198.1      NNLREVCDYLCQGTSLQSLPPKPDL........LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAK  229
NTDB id 1153 A1552VC RS00115 WP 000521788.1    QSLLEVCADLCGQQTLSLFQSSPSV........QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLAS  229
NTDB id 1397 DSB67 RS15690 WP 005535577.1      QSLLEVCAELCGQHQLNLYQTPKKK........ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLAS  229
NTDB id 1387 A4U84 RS06900 WP 020457569.1      STLLQVVNFLNNRDQLPIAQQLSQN....IAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTMLAS  232
NTDB id 1349 HI 1117 AAC22771.1                QTLLDVVQFLNGQEKLPLATEIVKE....SAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLAS  233
consensus                                      * ***!  **     *  *                      !**** !** *!*!* *!!*! !*** *!*!!*!!*!*!

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NTDB id 1323 RA0C RS07335 WP 004916218.1        RIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEFK  312
NTDB id 1058001 ACFJIS RS07790 WP 390347348.1  RFAGLLPPMNVDEALESAAIASLDGRL.APE.RWMSRPTATPHHTASAVALVGGGSPPRPGEISRAHHGVLFLDEFPEFT  318
NTDB id 1271 LPP RS03220 WP 011213198.1        RFSTLLPELSETQALECAAINSIRGKLPDFR.EWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFN  308
NTDB id 1248 GC085 RS03150 WP 011213198.1      RFSTLLPELSETQALECAAINSIRGKLPDFR.EWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFN  308
NTDB id 1153 A1552VC RS00115 WP 000521788.1    RLCDLLPEMSDEEAMETASIASLTQQEINQH.NWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFE  308
NTDB id 1397 DSB67 RS15690 WP 005535577.1      RLCDLLPEMSDEEAMETASVASLTQSEINEH.NWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFD  308
NTDB id 1387 A4U84 RS06900 WP 020457569.1      RLADLLPEMEDDEAIETASVTSLVQNELNFQ.NWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEFE  311
NTDB id 1349 HI 1117 AAC22771.1                RLTGLLPEMTDLEAIETASVTSLVQNELNFH.NWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEFE  312
consensus                                      !*  *!!**** *!*!** * !*          ** *!***!!!**! *!!!!!!* !*!!!!!*!**!*!!!!!*!!!
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NTDB id 1323 RA0C RS07335 WP 004916218.1        RTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHIEV   391
NTDB id 1058001 ACFJIS RS07790 WP 390347348.1  RAALEALREPLETGTITITRAARRAEFPARFQLVAAMNPCPCGYLGSTLKPCRCTPERVARYQGKLSGPLLDRIDLHIEV   398
NTDB id 1271 LPP RS03220 WP 011213198.1         RQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTI   388
NTDB id 1248 GC085 RS03150 WP 011213198.1       RQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTI   388
NTDB id 1153 A1552VC RS00115 WP 000521788.1    RKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDMSIEI   386
NTDB id 1397 DSB67 RS15690 WP 005535577.1      RKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLDRFDMSLEI   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        QKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSARA   469
NTDB id 1058001 ACFJIS RS07790 WP 390347348.1  AAVSAPQLLDA..PAGESTDSIRARVVGARDRALQRQGH....ANQALQGRAIDTHAVLDNAARQLLQQAAARLGWSARS   472
NTDB id 1271 LPP RS03220 WP 011213198.1         HALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARG   464
NTDB id 1248 GC085 RS03150 WP 011213198.1       HALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARG   464
NTDB id 1153 A1552VC RS00115 WP 000521788.1    PALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRA   461
NTDB id 1397 DSB67 RS15690 WP 005535577.1      PALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRA   461
NTDB id 1387 A4U84 RS06900 WP 020457569.1      PLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRA   465
NTDB id 1349 HI 1117 AAC22771.1                PLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRA   465
consensus                                       **    !      *****  **  *!  ****** ! *     *!* *******  * !   *  **  ** *!**! !*

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NTDB id 1323 RA0C RS07335 WP 004916218.1        YDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1058001 ACFJIS RS07790 WP 390347348.1  THRALKVARTIADLAGQDAVQAAHVAEAVQYRRALRTGTP......   512
NTDB id 1271 LPP RS03220 WP 011213198.1         YHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1       YHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1153 A1552VC RS00115 WP 000521788.1    YHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1      YHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   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