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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPG.KKITINMAPADLRKEGS   77
NTDB id 140855 UC35 RS10875 WP 061499221.1    MSLSLVQSRAQLGLQAAAVTVEVHLANGLPSFTLVGLADVEVKEARERVRSALQNCGLEFPHNKRITVNLAPADLPKDSG   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.EGFKGIILPKQNTREAAIVNDLEVYGV  156
NTDB id 140855 UC35 RS10875 WP 061499221.1    RFDLPIALGILAASGQVDAAKLAGWEFAGELSLSGELRPVRGALAMSLALHAAGASARLVLPPGSAEDAALVPQAQVYRA  160
NTDB id 1271 LPP RS03220 WP 011213198.1       GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAH..KDNQHLIIANANAAEASLTGHQKVFTA  157
NTDB id 1248 GC085 RS03150 WP 011213198.1     GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAH..KDNQHLIIANANAAEASLTGHQKVFTA  157
NTDB id 1153 A1552VC RS00115 WP 000521788.1  RFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAAN..QVERCLVVPHSNGDQAALVGVERHKSA  157
NTDB id 1397 DSB67 RS15690 WP 005535577.1    RFDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAAN..KKQRHLVVPHANGDQAALVGKEQHKSA  157
NTDB id 1349 HI 1117 AAC22771.1               RFDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQ..KSKRELIIAKQNANEASLVSDQNTYFA  157
NTDB id 1387 A4U84 RS06900 WP 020457569.1    RFDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAAS..KAKRETIVPQQNANEVSLVSNTQTYCA  157
consensus                                     **!!*!!*!!!!!!!*!*     *  ****!!*!*! **** ***** ***   *  * ****  ** ** **     * *

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NTDB id 1323 RA0C RS07335 WP 004916218.1      ENIKEVIDFFNENCPLEPTKVNTREEF..HKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNILLIGPPGSGKTMLAKRI  234
NTDB id 140855 UC35 RS10875 WP 061499221.1    DHLLDVVRQFLPGPPSHDAGPGWRQVVPQPALGAASHPDLADVKGQAAARRALEIAAAGGHSLLLLGPPGSGKSMLAQRF  240
NTDB id 1271 LPP RS03220 WP 011213198.1       NNLREVCDYLCQGTSL.QSLPPKPDL.....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRF  231
NTDB id 1248 GC085 RS03150 WP 011213198.1     NNLREVCDYLCQGTSL.QSLPPKPDL.....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRF  231
NTDB id 1153 A1552VC RS00115 WP 000521788.1  QSLLEVCADLCGQQTL.SLFQSSPSV.....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRL  231
NTDB id 1397 DSB67 RS15690 WP 005535577.1    QSLLEVCAELCGQHQL.NLYQTPKKK.....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRL  231
NTDB id 1349 HI 1117 AAC22771.1               QTLLDVVQFLNGQEKL.PLATEIVKES.AVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLASRL  235
NTDB id 1387 A4U84 RS06900 WP 020457569.1    STLLQVVNFLNNRDQL.PIAQQLSQNI.AEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTMLASRL  234
consensus                                     * ***!  **     *                        !**** !!* ***!* *!!*! !*** *!*!!*!!*!*! !*

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NTDB id 1323 RA0C RS07335 WP 004916218.1      PSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEFKRT  314
NTDB id 140855 UC35 RS10875 WP 061499221.1    AGLLPPLSVDEALQTAAIASLAGR.FS.QSEWGLRPTRSPHHSASAVALVGGGSPPRPGEISLAHNGVLFLDELPEFPRA  318
NTDB id 1271 LPP RS03220 WP 011213198.1       STLLPELSETQALECAAINSIRGKLPD.FREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQ  310
NTDB id 1248 GC085 RS03150 WP 011213198.1     STLLPELSETQALECAAINSIRGKLPD.FREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQ  310
NTDB id 1153 A1552VC RS00115 WP 000521788.1  CDLLPEMSDEEAMETASIASLTQQEIN.QHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFERK  310
NTDB id 1397 DSB67 RS15690 WP 005535577.1    CDLLPEMSDEEAMETASVASLTQSEIN.EHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFDRK  310
NTDB id 1349 HI 1117 AAC22771.1               TGLLPEMTDLEAIETASVTSLVQNELN.FHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEFERK  314
NTDB id 1387 A4U84 RS06900 WP 020457569.1    ADLLPEMEDDEAIETASVTSLVQNELN.FQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEFERK  313
consensus                                       *!!**** *!**** * !*          ****!*!*!!!**! *!!!!!!* !*!!!!!!!**!*!!!!!*!!! !
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NTDB id 1323 RA0C RS07335 WP 004916218.1      VLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHIEVQK   393
NTDB id 140855 UC35 RS10875 WP 061499221.1    ALEALREPLETGHITISRAAHRAEFPARFQFVGAMNPCPCGWLGAAHRHCRCTPDQVARYQARLSGPLLDRIDLHVEVPA   398
NTDB id 1271 LPP RS03220 WP 011213198.1       VLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHA   390
NTDB id 1248 GC085 RS03150 WP 011213198.1     VLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHA   390
NTDB id 1153 A1552VC RS00115 WP 000521788.1   VLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDMSIEIPA   388
NTDB id 1397 DSB67 RS15690 WP 005535577.1     VLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLDRFDMSLEIPA   388
NTDB id 1349 HI 1117 AAC22771.1               VLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPFLDRFDLSIEVPL   392
NTDB id 1387 A4U84 RS06900 WP 020457569.1     VLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPFLDRFDLSIEVPL   391
consensus                                     *!* *!*!!!**** !!!! *** *!!*!*****!!*!*! * **      **  * !!* *!!*!*!!! !* *****

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NTDB id 1323 RA0C RS07335 WP 004916218.1      VEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSARAYD   471
NTDB id 140855 UC35 RS10875 WP 061499221.1    LGAEELLQA..PEGEASQAVRERCQAAHVRSLQRQG....KPNQALQGKELDAHAQLDAAALKFLHLAASRLGWSARATH   472
NTDB id 1271 LPP RS03220 WP 011213198.1       LSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYH   466
NTDB id 1248 GC085 RS03150 WP 011213198.1     LSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYH   466
NTDB id 1153 A1552VC RS00115 WP 000521788.1   LPKGTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYH   463
NTDB id 1397 DSB67 RS15690 WP 005535577.1     LPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRAYH   463
NTDB id 1349 HI 1117 AAC22771.1               LPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYH   467
NTDB id 1387 A4U84 RS06900 WP 020457569.1     LPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRG....KINAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRAYH   467
consensus                                     *    !      *** *  *****  ****** ! *    **!* ******  * !   *  **  ** *!**! !***

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NTDB id 1323 RA0C RS07335 WP 004916218.1      RILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 140855 UC35 RS10875 WP 061499221.1    RAMKVARTIADLAGAGSIEVAHIAEAVQYRRALATTIAA.....   511
NTDB id 1271 LPP RS03220 WP 011213198.1       RLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1     RLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1153 A1552VC RS00115 WP 000521788.1   RIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1     RIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1349 HI 1117 AAC22771.1               RILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
NTDB id 1387 A4U84 RS06900 WP 020457569.1     RILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
consensus                                     !**!!*!!!!!* *  **   !***!* !* * **   *
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X non conserved

X similar

X $\geq$ 50% conserved