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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPG.KKITINMAPADLRKEGS   77
NTDB id 1044519 ACEN9J RS19515 WP 413761819.1  MSLSLVQSRALLGLEAASVTVEVHLANGLPSFTLVGLAETEVKEARERVRSAIQNAGLEFPHNKRITVNLAPADLPKDSG   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        AYDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREEGF.KGIILPKQNTREAAIVNDLEVYGV  156
NTDB id 1044519 ACEN9J RS19515 WP 413761819.1  RFDLPMALGILAASGQIEGARLAGHEFAGELSLSGELRPVRGALAMALALHTRGIATRLVLPATSADEAALVPGGEVYGA  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                                      **!!**!*!!!!!!*!*    *   ****!!*!*! **** ***** *** *    * ****  ** ** **     * *

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        ENIKEVIDFFNENCPLEPTKVNTRE.....EFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTMLA  231
NTDB id 1044519 ACEN9J RS19515 WP 413761819.1  RHLLDVVRRFLPADAQAGLEADDEGWSRAHASAQADAPAYADMADVKGHAGAKRALEIAAAGGHSLLMMGEPGSGKSMLG  240
NTDB id 1271 LPP RS03220 WP 011213198.1        NNLREVCDYLCQGTSLQSLPPKPDL.........LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMA  228
NTDB id 1248 GC085 RS03150 WP 011213198.1      NNLREVCDYLCQGTSLQSLPPKPDL.........LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMA  228
NTDB id 1153 A1552VC RS00115 WP 000521788.1    QSLLEVCADLCGQQTLSLFQSSPSV.........QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLA  228
NTDB id 1397 DSB67 RS15690 WP 005535577.1      QSLLEVCAELCGQHQLNLYQTPKKK.........ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLA  228
NTDB id 1349 HI 1117 AAC22771.1                QTLLDVVQFLNGQEKLPLATEIVKE.....SAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLA  232
NTDB id 1387 A4U84 RS06900 WP 020457569.1      STLLQVVNFLNNRDQLPIAQQLSQN.....IAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTMLA  231
consensus                                      * ***!  **     *                          !**** !** *!*!* *!!*! !*** *!*!!*!!*!**

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NTDB id 1323 RA0C RS07335 WP 004916218.1        KRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEF  311
NTDB id 1044519 ACEN9J RS19515 WP 413761819.1  QRFAGLLPPMRIDEALESAAIASLGGR.FS.TERWMHRPTASPHHTSSAVALVGGGSPPRPGEISMAHHGVLFLDEFPEF  318
NTDB id 1271 LPP RS03220 WP 011213198.1        KRFSTLLPELSETQALECAAINSIRGKLPD.FREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEF  307
NTDB id 1248 GC085 RS03150 WP 011213198.1      KRFSTLLPELSETQALECAAINSIRGKLPD.FREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEF  307
NTDB id 1153 A1552VC RS00115 WP 000521788.1    SRLCDLLPEMSDEEAMETASIASLTQQEIN.QHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEF  307
NTDB id 1397 DSB67 RS15690 WP 005535577.1      SRLCDLLPEMSDEEAMETASVASLTQSEIN.EHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEF  307
NTDB id 1349 HI 1117 AAC22771.1                SRLTGLLPEMTDLEAIETASVTSLVQNELN.FHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEF  311
NTDB id 1387 A4U84 RS06900 WP 020457569.1      SRLADLLPEMEDDEAIETASVTSLVQNELN.FQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEF  310
consensus                                       !*  *!!**** *!*!** * !*          ** *!***!!!* ! *!!!!!!* !*!!!!!*!**!*!!!!!*!!!
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        KRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGCFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHIE   390
NTDB id 1044519 ACEN9J RS19515 WP 413761819.1  SRAALEALREPLETGTITIARAARRAEFPARFQLVAAMNPCPCGFLGAPTKTCRCTPDQVARYQRKLSGPLLDRIDLHIE   398
NTDB id 1271 LPP RS03220 WP 011213198.1         NRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVT   387
NTDB id 1248 GC085 RS03150 WP 011213198.1       NRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVT   387
NTDB id 1153 A1552VC RS00115 WP 000521788.1    ERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDMSIE   385
NTDB id 1397 DSB67 RS15690 WP 005535577.1      DRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLDRFDMSLE   385
NTDB id 1349 HI 1117 AAC22771.1                 ERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPFLDRFDLSIE   389
NTDB id 1387 A4U84 RS06900 WP 020457569.1       ERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPFLDRFDLSIE   388
consensus                                        ! *!* *!*!!!**** !*!! *** *!!*!******!!*!*! * **      **  * !!* *!!*!*!!! !* **
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        VQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSAR   468
NTDB id 1044519 ACEN9J RS19515 WP 413761819.1  VPAISAPQLLDA..PAGETTAAIRARVVAARERAIERQGR....PNQALQGADIDRHAALGDEARRFMHTAAARLGWSAR   472
NTDB id 1271 LPP RS03220 WP 011213198.1         IHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSAR   463
NTDB id 1248 GC085 RS03150 WP 011213198.1       IHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSAR   463
NTDB id 1153 A1552VC RS00115 WP 000521788.1    IPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLESALHRLGLSIR   460
NTDB id 1397 DSB67 RS15690 WP 005535577.1      IPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIR   460
NTDB id 1349 HI 1117 AAC22771.1                 VPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVR   464
NTDB id 1387 A4U84 RS06900 WP 020457569.1       VPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVR   464
consensus                                       ****    !      *****  ** *!  ****** ! **    *!* *******  * !   *  **  ** *!**! !
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        AYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1044519 ACEN9J RS19515 WP 413761819.1  STHRALKVARTIADLAGAPVIETAHVAEAVQYRRALQKSL.......   512
NTDB id 1271 LPP RS03220 WP 011213198.1         GYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1       GYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1153 A1552VC RS00115 WP 000521788.1    AYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1      AYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1349 HI 1117 AAC22771.1                 AYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
NTDB id 1387 A4U84 RS06900 WP 020457569.1       AYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
consensus                                       ***!**!!*!!!!!* *  **   !***!* !* * **   *
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X non conserved

X similar

X $\geq$ 50% conserved