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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPG.KKITINMAPADLRKEGS   77
NTDB id 1077446 ACJJWD RS01010 WP 407714815.1   MGLALVQSRALLGLQAPGVTVEVHLANGLPSFTLVGLADVEVKEARERVRAAIVNAGLQFPNNQRITVNLAPADLPKDSG   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 1397 DSB67 RS15690 WP 005535577.1       MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPA.KRITVNLAPADLPKEGG   79
NTDB id 1153 A1552VC RS00115 WP 000521788.1     MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPA.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        AYDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREE.GFKGIILPKQNTREAAIVNDLEVYGV  156
NTDB id 1077446 ACJJWD RS01010 WP 407714815.1   RFDLPIALGILAASGQIDAQRLADYEFAGELSLTGALRPVRGALATALALQRQQHRVRLVLPPDSAQEAAFVPAIEVFSA  160
NTDB id 1271 LPP RS03220 WP 011213198.1         GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD..NQHLIIANANAAEASLTGHQKVFTA  157
NTDB id 1248 GC085 RS03150 WP 011213198.1       GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD..NQHLIIANANAAEASLTGHQKVFTA  157
NTDB id 1397 DSB67 RS15690 WP 005535577.1       RFDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANKK..QRHLVVPHANGDQAALVGKEQHKSA  157
NTDB id 1153 A1552VC RS00115 WP 000521788.1     RFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQV..ERCLVVPHSNGDQAALVGVERHKSA  157
NTDB id 1349 HI 1117 AAC22771.1                 RFDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQKS..KRELIIAKQNANEASLVSDQNTYFA  157
NTDB id 1387 A4U84 RS06900 WP 020457569.1       RFDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASKA..KREIIVPQQNANEVSLVSNTQTYCA  157
consensus                                       **!!*!!*!!!!!!*!*     *  *****!!*!*! **** ***** *** *    * ****  ** ** **     ***

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NTDB id 1323 RA0C RS07335 WP 004916218.1        ENIKEVIDFFNENCPLEPTKVNTR...EE.....FHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKT  228
NTDB id 1077446 ACJJWD RS01010 WP 407714815.1   AHLLDVVRQFIAHDATLAEQGDDVEGWQRVHS..RPAEASLQSLDLREVRGQMQAKRALEIAAACAHGVLMIGPPGSGKS  238
NTDB id 1271 LPP RS03220 WP 011213198.1         NNLREVCDYLCQGTSL........QSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKT  225
NTDB id 1248 GC085 RS03150 WP 011213198.1       NNLREVCDYLCQGTSL........QSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKT  225
NTDB id 1397 DSB67 RS15690 WP 005535577.1       QSLLEVCAELCGQHQL........NLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKT  225
NTDB id 1153 A1552VC RS00115 WP 000521788.1     QSLLEVCADLCGQQTL........SLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKT  225
NTDB id 1349 HI 1117 AAC22771.1                 QTLLDVVQFLNGQEKL........PLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKT  229
NTDB id 1387 A4U84 RS06900 WP 020457569.1       STLLQVVNFLNNRDQL........PIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKT  228
consensus                                       *  ***!   **      *                          !**** !!* *!*!* *!!*! !*** *!*!!*!!*

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NTDB id 1323 RA0C RS07335 WP 004916218.1        MLAKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEM  308
NTDB id 1077446 ACJJWD RS01010 WP 407714815.1   MLAQRFARLLPGMTDEEALEAAAIASLSGR.FT.PQLWRQRPFAAPHHTASSIALVGGGSPPRPGEISYAHCGALFLDEL  316
NTDB id 1271 LPP RS03220 WP 011213198.1         MMAKRFSTLLPELSETQALECAAINSIRGKLPD.FREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDEL  304
NTDB id 1248 GC085 RS03150 WP 011213198.1       MMAKRFSTLLPELSETQALECAAINSIRGKLPD.FREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDEL  304
NTDB id 1397 DSB67 RS15690 WP 005535577.1       MLASRLCDLLPEMSDEEAMETASVASLTQSEIN.EHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEM  304
NTDB id 1153 A1552VC RS00115 WP 000521788.1     MLASRLCDLLPEMSDEEAMETASIASLTQQEIN.QHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEM  304
NTDB id 1349 HI 1117 AAC22771.1                 MLASRLTGLLPEMTDLEAIETASVTSLVQNELN.FHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDEL  308
NTDB id 1387 A4U84 RS06900 WP 020457569.1       MLASRLADLLPEMEDDEAIETASVTSLVQNELN.FQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDEL  307
consensus                                       !*! !*  *!!**** *!*!** * !*          ** *!!**!!!**! *!!!!!!* !*!!!!!*!**!*!!!!!*
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NTDB id 1323 RA0C RS07335 WP 004916218.1        PEFKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDI   387
NTDB id 1077446 ACJJWD RS01010 WP 407714815.1  PEFARSALEALREPLETGRITIVRAVQRAEFPARFQLVAAMNPCPCGYWGSRIRACRCSPDQVARYQARISGPLLDRIDL   396
NTDB id 1271 LPP RS03220 WP 011213198.1         PEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDM   384
NTDB id 1248 GC085 RS03150 WP 011213198.1       PEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDM   384
NTDB id 1397 DSB67 RS15690 WP 005535577.1       PEFDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLDRFDM   382
NTDB id 1153 A1552VC RS00115 WP 000521788.1    PEFERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDM   382
NTDB id 1349 HI 1117 AAC22771.1                 PEFERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPFLDRFDL   386
NTDB id 1387 A4U84 RS06900 WP 020457569.1       PEFERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPFLDRFDL   385
consensus                                       !!! ! *!* *!*!!!**** !*!! *** *!!*!*****!!*!*! *  *      **  * !!* **!*!*!!! !*

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NTDB id 1323 RA0C RS07335 WP 004916218.1        HIEVQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNL   465
NTDB id 1077446 ACJJWD RS01010 WP 407714815.1  HVEVAALSPQELLAA..PEGESSAAVQQRVSAARDKALQRQG....LPNHQLQGVQLDTHLQLEPEALTFAHKAAARLGW   470
NTDB id 1271 LPP RS03220 WP 011213198.1         QVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKL   460
NTDB id 1248 GC085 RS03150 WP 011213198.1       QVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKL   460
NTDB id 1397 DSB67 RS15690 WP 005535577.1       SLEIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENALHRLGL   457
NTDB id 1153 A1552VC RS00115 WP 000521788.1    SIEIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALHRLGL   457
NTDB id 1349 HI 1117 AAC22771.1                 SIEVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGL   461
NTDB id 1387 A4U84 RS06900 WP 020457569.1       SIEVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRG....KINAQLTTKEIEQDCKLTDRDALFLENALTKLGL   461
consensus                                        *** **    !      *****  ** *!  ****** ! *     *!**********  * !   *  **  ** *!**

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NTDB id 1323 RA0C RS07335 WP 004916218.1        SARAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1077446 ACJJWD RS01010 WP 407714815.1  SARGTHRALKVARTIADLAGSDSITQAHLAEALQYRRALMQP........   512
NTDB id 1271 LPP RS03220 WP 011213198.1         SARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1       SARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1397 DSB67 RS15690 WP 005535577.1       SIRAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1153 A1552VC RS00115 WP 000521788.1    SIRAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1349 HI 1117 AAC22771.1                 SVRAYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
NTDB id 1387 A4U84 RS06900 WP 020457569.1       SVRAYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
consensus                                       ! !***!**!!*!!!!!* *  **   !***!* !* * **   *
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X non conserved

X similar

X $\geq$ 50% conserved