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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA    78
NTDB id 1271 LPP RS03220 WP 011213198.1       MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG    80
NTDB id 1248 GC085 RS03150 WP 011213198.1     MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG    80
NTDB id 331485 EJN92 RS07780 WP 126127293.1   MALAVLKSRALSGMDAPEVTVEVHLANGLPSFTIVGLPETEVKESKDRVRAALQNARFDFPAQRITVNLAPADLPKESGR    80
NTDB id 1153 A1552VC RS00115 WP 000521788.1   MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPAKRITVNLAPADLPKEGGR    80
NTDB id 1397 DSB67 RS15690 WP 005535577.1     MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGR    80
NTDB id 1349 HI 1117 AAC22771.1               MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPAKRITVNLAPADLPKEGGR    80
NTDB id 1387 A4U84 RS06900 WP 020457569.1     MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPARRITINLAPADLPKEGGR    80
consensus                                     *  !*** *****!* !* ***!!****!******!!!*** *!!***!***!**! ****!***!!*!**!!*!*!****

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NTDB id 1323 RA0C RS07335 WP 004916218.1      YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAR......EEGFKGIILPKQNTREAAIVNDLE   152
NTDB id 1271 LPP RS03220 WP 011213198.1       FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAA.......HKDNQHLIIANANAAEASLTGHQK   153
NTDB id 1248 GC085 RS03150 WP 011213198.1     FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAA.......HKDNQHLIIANANAAEASLTGHQK   153
NTDB id 331485 EJN92 RS07780 WP 126127293.1   FDLPIALGILAASGQIPADCLDQYEFAGELSLSGELRPVRGALAMTFAICKGAENSGQTARAFILPRASAAEAALVAEAL   160
NTDB id 1153 A1552VC RS00115 WP 000521788.1   FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAA.......NQVERCLVVPHSNGDQAALVGVER   153
NTDB id 1397 DSB67 RS15690 WP 005535577.1     FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAA.......NKKQRHLVVPHANGDQAALVGKEQ   153
NTDB id 1349 HI 1117 AAC22771.1               FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAA.......QKSKRELIIAKQNANEASLVSDQN   153
NTDB id 1387 A4U84 RS06900 WP 020457569.1     FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAA.......SKAKREIIVPQQNANEVSLVSNTQ   153
consensus                                     *!!*!!*!!!!!!*!*    * ******!!*!*! **** ***** ***        *  * ****  ** ** ***

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NTDB id 1323 RA0C RS07335 WP 004916218.1      VYGVENIKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTMLAK   232
NTDB id 1271 LPP RS03220 WP 011213198.1       VFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAK   229
NTDB id 1248 GC085 RS03150 WP 011213198.1     VFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAK   229
NTDB id 331485 EJN92 RS07780 WP 126127293.1   IYPADSLLQVCAHFAASDPETRLSR..HQLSHVAVRQSYPDFSDVKGQAQAKRALEVAAAGGHSLILVGPPGTGKSMLAA   238
NTDB id 1153 A1552VC RS00115 WP 000521788.1   HKSAQSLLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLAS   229
NTDB id 1397 DSB67 RS15690 WP 005535577.1     HKSAQSLLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLAS   229
NTDB id 1349 HI 1117 AAC22771.1               TYFAQTLLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLAS   233
NTDB id 1387 A4U84 RS06900 WP 020457569.1     TYCASTLLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTMLAS   232
consensus                                      * ******!* **      *              *      ! *** !!* *!*!* *!!*! !*** *!*!!*!!*!*!

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NTDB id 1323 RA0C RS07335 WP 004916218.1      RIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEFK   312
NTDB id 1271 LPP RS03220 WP 011213198.1       RFSTLLPELSETQALECAAINSIRGKLP.DFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFN   308
NTDB id 1248 GC085 RS03150 WP 011213198.1     RFSTLLPELSETQALECAAINSIRGKLP.DFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFN   308
NTDB id 331485 EJN92 RS07780 WP 126127293.1   RFPGILPSMTDQEALESAAVQSLS.GGF.SIDKWKLRPYRAPHHTASGVALVGGGGTPRPGEISLAHRGVLFLDELPEFD   316
NTDB id 1153 A1552VC RS00115 WP 000521788.1   RLCDLLPEMSDEEAMETASIASLTQQEI.NQHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFD   308
NTDB id 1397 DSB67 RS15690 WP 005535577.1     RLCDLLPEMSDEEAMETASVASLTQSEI.NEHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFD   308
NTDB id 1349 HI 1117 AAC22771.1               RLTGLLPEMTDLEAIETASVTSLVQNEL.NFHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEFE   312
NTDB id 1387 A4U84 RS06900 WP 020457569.1     RLADLLPEMEDDEAIETASVTSLVQNEL.NFQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEFE   311
consensus                                     !*  *!!**** *!*!** * !*          ****!*!*!!!**! *!!!!!!* !*!!!!!!!**!*!!!!!*!!!*
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1     RTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHIEV   391
NTDB id 1271 LPP RS03220 WP 011213198.1      RQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTI   388
NTDB id 1248 GC085 RS03150 WP 011213198.1    RQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTI   388
NTDB id 331485 EJN92 RS07780 WP 126127293.1  RKVLEVLREPLESGHITISRAAKQADFPARFQLIAAMNPCPCGYLGHSNGKCHCTPDMVARYQNRISGPLLDRIDMQIHV   396
NTDB id 1153 A1552VC RS00115 WP 000521788.1  RKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQA..RANPQSILRYLSRLSGPLLDRFDMSIEI   386
NTDB id 1397 DSB67 RS15690 WP 005535577.1    RKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQA..RTNPQAILRYLGRLSGPLLDRFDMSLEI   386
NTDB id 1349 HI 1117 AAC22771.1              RKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHN..RTSPQQIMRYLNRLSGPFLDRFDLSIEV   390
NTDB id 1387 A4U84 RS06900 WP 020457569.1    RKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHN..RTSPQQLMRYLNRLSGPFLDRFDLSIEV   389
consensus                                    !*!!* *!*!!!**** !!!! * * *!!*!******!!*!*! *  ***    **  * !!* **!*!*!!! !* ***
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1     QKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSARA   469
NTDB id 1271 LPP RS03220 WP 011213198.1      HALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARG   464
NTDB id 1248 GC085 RS03150 WP 011213198.1    HALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARG   464
NTDB id 331485 EJN92 RS07780 WP 126127293.1  GALPHADLLKL..ADGETSSRIQLRVEQAFARQLARQG....KANNLLSTKELDRYCQPDAAGEQLLRTAMQKLNWSARA   470
NTDB id 1153 A1552VC RS00115 WP 000521788.1  PALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRA   461
NTDB id 1397 DSB67 RS15690 WP 005535577.1    PALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRA   461
NTDB id 1349 HI 1117 AAC22771.1              PLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRA   465
NTDB id 1387 A4U84 RS06900 WP 020457569.1    PLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRG....KINAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRA   465
consensus                                     *** * !      *****  ** *!  *******! *    **!* * *****  ! *   *  **  ** *! *! !*
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1     YDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1271 LPP RS03220 WP 011213198.1      YHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1    YHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 331485 EJN92 RS07780 WP 126127293.1  YHRVLKVARSIADLADMPQINQSHVAEAIQYRRALL..GQ......   508
NTDB id 1153 A1552VC RS00115 WP 000521788.1  YHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1    YHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1349 HI 1117 AAC22771.1              YHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
NTDB id 1387 A4U84 RS06900 WP 020457569.1    YHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
consensus                                    !*!**!!*!*!!!*     **   !***!* !* * **   *
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X non conserved

X similar

X $\geq$ 50% conserved