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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 1153462 LQ108 RS22465 WP 230137085.1   MSLSVVYTRAAIGVKAPLISVEVHLSNGLPGLTLVGLPETTVKEARDRVRSAIITSGYTFPAKKITINLAPADLPKEGGR   80
NTDB id 1397 DSB67 RS15690 WP 005535577.1      MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGR   80
NTDB id 1153 A1552VC RS00115 WP 000521788.1    MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPAKRITVNLAPADLPKEGGR   80
NTDB id 1387 A4U84 RS06900 WP 020457569.1      MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPARRITINLAPADLPKEGGR   80
NTDB id 1349 HI 1117 AAC22771.1                 MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPAKRITVNLAPADLPKEGGR   80
consensus                                       **!*** *****!* !* ***!!****!*****!!!*****!!***!***!****** *!***!!*!**!!*!*!*!**

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREEGFKGIILPKQNTREAAIVNDLEVYGVEN  158
NTDB id 1271 LPP RS03220 WP 011213198.1         FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.NQHLIIANANAAEASLTGHQKVFTANN  159
NTDB id 1248 GC085 RS03150 WP 011213198.1       FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.NQHLIIANANAAEASLTGHQKVFTANN  159
NTDB id 1153462 LQ108 RS22465 WP 230137085.1   YDLPIAIALLAASEQLNTARLGSYEFIGELALTGALRGVPGAISGALEAIHA.GRQIIVANENASEVSLIAEKGCLVAGH  159
NTDB id 1397 DSB67 RS15690 WP 005535577.1      FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANKK.QRHLVVPHANGDQAALVGKEQHKSAQS  159
NTDB id 1153 A1552VC RS00115 WP 000521788.1    FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQV.ERCLVVPHSNGDQAALVGVERHKSAQS  159
NTDB id 1387 A4U84 RS06900 WP 020457569.1      FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASKA.KREIIVPQQNANEVSLVSNTQTYCAST  159
NTDB id 1349 HI 1117 AAC22771.1                 FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQKS.KRELIIAKQNANEASLVSDQNTYFAQT  159
consensus                                       *!!*!!***!!!!*!*    *  *****!!*!*! **** ***** **! *   * ***   !* ******    * **

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NTDB id 1323 RA0C RS07335 WP 004916218.1        IKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNILLIGPPGSGKTMLAKRIPSIL  238
NTDB id 1271 LP RS03220 WP 011213198.1          LREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRFSTLL  235
NTDB id 1248 GC085 RS03150 WP 011213198.1       LREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRFSTLL  235
NTDB id 1153462 LQ108 RS22465 WP 230137085.1   LQEVCAHLEGRHTLSEPEETGD.....ILPETPDDLSDIIGQEQGKRALEITAAGGHNLLLIGPPGTGKTMLASRLNGLL  234
NTDB id 1397 DSB67 RS15690 WP 005535577.1      LLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL  235
NTDB id 1153 A1552VC RS00115 WP 000521788.1    LLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL  235
NTDB id 1387 A4U84 RS06900 WP 020457569.1      LLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTMLASRLADLL  238
NTDB id 1349 HI 1117 AAC22771.1                 LLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLASRLTGLL  239
consensus                                       *  *!* **      !                *     !*****!!* *!*!* **!*! !*** *!*!!*!!!!*!*!*   *!

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NTDB id 1323 RA0C RS07335 WP 004916218.1        PPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPEFKRTVLEV  318
NTDB id 1271 LP RS03220 WP 011213198.1          PELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLET  314
NTDB id 1248 GC085 RS03150 WP 011213198.1       PELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPEFNRQVLET  314
NTDB id 1153462 LQ108 RS22465 WP 230137085.1   PPLNNHEALESAAIFSLVSSASLQ.KQWRRRPFRSPHHSASLTAMVGGGSIPGPGEISLAHNGILFLDEMPEFERRVLDA  313
NTDB id 1397 DSB67 RS15690 WP 005535577.1      PEMSDEEAMETASVASLTQSEINE.HNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPEFDRKVLDS  314
NTDB id 1153 A1552VC RS00115 WP 000521788.1    PEMSDEEAMETASIASLTQQEINQ.HNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFERKVLDS  314
NTDB id 1387 A4U84 RS06900 WP 020457569.1      PEMEDDEAIETASVTSLVQNELNF.QNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPEFERKVLDA  317
NTDB id 1349 HI 1117 AAC22771.1                 PEMTDLEAIETASVTSLVQNELNF.HNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPEFERKVLDA  318
consensus                                       !**** *!*!** * !*          *** *!!!*!!!**!* !*!!!!**!*!!!!!!!**!*!!!!!*!!!*!*!!*
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NTDB id 1271 LPP RS03220 WP 011213198.1         LREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQE   394
NTDB id 1248 GCO85 RS03150 WP 011213198.1       LREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQVTIHALSQE   394
NTDB id 1153462 LQ108 RS22465 WP 230137085.1   LREPIESGEIHISRTRAKISYPAQFQLVAAMNPSPSGHYQGNHN..RCTPEQTLRYLGKLSGPFLDRFDLSLEIPLPPPG   391
NTDB id 1397 DSB67 RS15690 WP 005535577.1       LREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQA..RTNPQAILRYLGRLSGPLLDRFDMSLEIPALPKG   392
NTDB id 1153 A1552VC RS00115 WP 000521788.1    LREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQA..RANPQSILRYLSRLSGPLLDRFDMSIEIPALPKG   392
NTDB id 1387 A4U84 RS06900 WP 020457569.1       LRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHN..RTSPQQLMRYLNRLSGPFLDRFDLSIEVPLLPQG   395
NTDB id 1349 HI 1117 AAC22771.1                 LRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHN..RTSPQQIMRYLNRLSGPFLDRFDLSIEVPLLPQG   396
consensus                                       *!*!*!**** !!!* *** *!!*!******!!*!*! * **    * **  **!!! *!!*!*!!!*!****** ** *

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NTDB id 1323 RAOC RS07335 WP 004916218.1        QLSD..KRKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSARAYDRILK   475
NTDB id 1271 LPP RS03220 WP 011213198.1         ELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYHRLLK   470
NTDB id 1248 GCO85 RS03150 WP 011213198.1       ELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSARGYHRLLK   470
NTDB id 1153462 LQ108 RS22465 WP 230137085.1   LLSQT.TIRGESTANVRERVIASQARQYARQHK....LNARLDNAEIRQFCHLKAEDACWLEETLTRFGLSIRAWQRLLK   466
NTDB id 1397 DSB67 RS15690 WP 005535577.1       TLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLENALHRLGLSIRAYHRIIK   467
NTDB id 1153 A1552VC RS00115 WP 000521788.1    TLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIIK   467
NTDB id 1387 A4U84 RS06900 WP 020457569.1       ALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRAYHRILK   471
NTDB id 1349 HI 1117 AAC22771.1                 SLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRILK   471
consensus                                        !      *****  ****!   ******!  *    *!! * *****  ! !   ** *** ** ***!!*!***!**!

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NTDB id 1323 RAOC RS07335 WP 004916218.1        VSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1271 LPP RS03220 WP 011213198.1         VSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GCO85 RS03150 WP 011213198.1       VSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1153462 LQ108 RS22465 WP 230137085.1   VARTIADVEGDPEIERHHLQEALSYRAIDRLLLHLQKLLA   506
NTDB id 1397 DSB67 RS15690 WP 005535577.1       VARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1153 A1552VC RS00115 WP 000521788.1    VARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1387 A4U84 RS06900 WP 020457569.1       VSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
NTDB id 1349 HI 1117 AAC22771.1                 VSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
consensus                                       !*!!!!!* ** **   !***!* !*******  *
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X non conserved

X similar

X ≥ 50% conserved