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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPG.KKITINMAPADLRKEGS   77
NTDB id 230200 CBP36 RS00880 WP 086926240.1  MSLALVQSRALLGLEAPSVTVEVHLANGLPSFTLVGLADVEVKEARERVRSALQNAGLEFPHNKRITVNLAPADLPKDSG   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 230200 CBP36 RS00880 WP 086926240.1  RFDLPIALGILAASGQIDASRLAGHEFAGELSLSGQLRPVRGALATSLALRAHQVAVRLVLPPGSAEEAALVPGAQVYRA  160
NTDB id 1271 LPP RS03220 WP 011213198.1      GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLA..AHKDNQHLIIANANAAEASLTGHQKVFTA  157
NTDB id 1248 GC085 RS03150 WP 011213198.1    GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLA..AHKDNQHLIIANANAAEASLTGHQKVFTA  157
NTDB id 1153 A1552VC RS00115 WP 000521788.1 RFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALA..ANQVERCLVVPHSNGDQAALVGVERHKSA  157
NTDB id 1397 DSB67 RS15690 WP 005535577.1   RFDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALA..ANKKQRHLVVPHANGDQAALVGKEQHKSA  157
NTDB id 1349 HI 1117 AAC22771.1              RFDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILA..AQKSKRELIIAKQNANEASLVSDQNTYFA  157
NTDB id 1387 A4U84 RS06900 WP 020457569.1    RFDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLA..ASKAKREIIVPQQNANEVSLVSNTQTYCA  157
consensus                                    **!!*!!*!!!!!!!*!*     *    ****!!*!*! **** ***** **  * *  * ****  ** ** **     * *

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      ENIKEVIDFFNEN.................CPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILI  220
NTDB id 230200 CBP36 RS00880 WP 086926240.1  RHLLDVVRQFLPAGGQESIDDTAATDEGWCLLQPAPL........ATQAVYADLSDVKGQAAAKRALEIAAAGGHSLLMM  232
NTDB id 1271 LPP RS03220 WP 011213198.1      NNLREVCDYLCQG.TSL.............QSLPPKPDL.......LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLS  217
NTDB id 1248 GC085 RS03150 WP 011213198.1    NNLREVCDYLCQG.TSL.............QSLPPKPDL.......LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLS  217
NTDB id 1153 A1552VC RS00115 WP 000521788.1 QSLLEVCADLCGQ.QTL.............SLFQSSPSV.......QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFL  217
NTDB id 1397 DSB67 RS15690 WP 005535577.1   QSLLEVCAELCGQ.HQL.............NLYQTPKKK.......ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFL  217
NTDB id 1349 HI 1117 AAC22771.1              QTLLDVVQFLNGQ.EKL.............PLATEIVKESAV...NFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFL  221
NTDB id 1387 A4U84 RS06900 WP 020457569.1    STLLQVVNFLNNR.DQL.............PIAQQLSQNIAE...N.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFL  220
consensus                                    * ***!  **      *              *                      !**** !!* *!*!* *!!*! !***  *

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NTDB id 1323 RA0C RS07335 WP 004916218.1      GPPGSGKTMLAKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHN  300
NTDB id 230200 CBP36 RS00880 WP 086926240.1  GPPGSGKSMLAQRFAGLLPAMTMEEALESAAVASLAGRF.AA.GQWAQRPTSQPHHTASAVALVGGGSPPQPGEISLAHH  310
NTDB id 1271 LPP RS03220 WP 011213198.1      GAPGSGKTMMAKRFSTLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHH  296
NTDB id 1248 GC085 RS03150 WP 011213198.1    GAPGSGKTMMAKRFSTLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHH  296
NTDB id 1153 A1552VC RS00115 WP 000521788.1 GPPGTGKTMLASRLCDLLPEMSDEEAMETASIASLTQQEINQ.HNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHN  296
NTDB id 1397 DSB67 RS15690 WP 005535577.1   GPPGTGKTMLASRLCDLLPEMSDEEAMETASVASLTQSEINE.HNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHN  296
NTDB id 1349 HI 1117 AAC22771.1              GPPGTGKTMLASRLTGLLPEMTDLEAIETASVTSLVQNELNF.HNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATN  300
NTDB id 1387 A4U84 RS06900 WP 020457569.1    GPPGTGKTMLASRLADLLPEMEDDEAIETASVTSLVQNELNF.QNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHN  299
consensus                                    !*!!*!!*!*! !*  *!!**** *!*!** * !*         ***  *!***!!!**! *!!!!!!* !*!!!!!!!**
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      GVLFLDEMPEFKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSG   379
NTDB id 230200 CBP36 RS00880 WP 086926240.1  GVLFLDELPEFPRAALEALREPLETGRITIARAARRAEFPACFQMVAAMNPCPCGFLGSAQRACRCTPDQVARYQGKLSG   390
NTDB id 1271 LPP RS03220 WP 011213198.1      GVLFLDELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSA   376
NTDB id 1248 GC085 RS03150 WP 011213198.1    GVLFLDELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSA   376
NTDB id 1153 A1552VC RS00115 WP 000521788.1  GLLFLDEMPEFERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSG   374
NTDB id 1397 DSB67 RS15690 WP 005535577.1    GLLFLDEMPEFDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSG   374
NTDB id 1349 HI 1117 AAC22771.1              GVLFLDELPEFERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSG   378
NTDB id 1387 A4U84 RS06900 WP 020457569.1    GVLFLDELPEFERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSG   377
consensus                                    !*!!!!!*!!! ! *!* *!*!!!**** !*!! *** *!!*!******!!*!*! *  **     **  * !!* *!!*

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NTDB id 1323 RA0C RS07335 WP 004916218.1      PLLDRIDIHIEVQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIK   457
NTDB id 230200 CBP36 RS00880 WP 086926240.1  PLLDRIDLHVEVPALPPTDLLDA..PPGEASAAVRERVDRARLAAITRQGK....TNQALQGQEIDTHTALEPAATQFLQ   464
NTDB id 1271 LPP RS03220 WP 011213198.1      PLLDRIDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLR   452
NTDB id 1248 GC085 RS03150 WP 011213198.1    PLLDRIDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLR   452
NTDB id 1153 A1552VC RS00115 WP 000521788.1  PLLDRFDMSIEIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLE   449
NTDB id 1397 DSB67 RS15690 WP 005535577.1    PLLDRFDMSLEIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLE   449
NTDB id 1349 HI 1117 AAC22771.1              PFLDRFDLSIEVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLE   453
NTDB id 1387 A4U84 RS06900 WP 020457569.1    PFLDRFDLSIEVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLE   453
consensus                                    !*!!! !* ******   !      *** *  ****! ******* ! **    *!* ******  * !   *  **

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NTDB id 1323 RA0C RS07335 WP 004916218.1      NAMEKLNLSARAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 230200 CBP36 RS00880 WP 086926240.1  TAAARLGWSARSTHRTLKVARTIADLAGAASTQVAHVAEAVQYRRVLRGPAA......   516
NTDB id 1271 LPP RS03220 WP 011213198.1      EVMSKLKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1    EVMSKLKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1153 A1552VC RS00115 WP 000521788.1  SALHRLGLSIRAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1    NALHRLGLSIRAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1349 HI 1117 AAC22771.1              KALNKLGLSVRAYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
NTDB id 1387 A4U84 RS06900 WP 020457569.1    NALTKLGLSVRAYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
consensus                                     ** *!**! !***!**!!*!!!!!* *  **   !***!* !* * **   *
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X non conserved

X similar

X $\geq$ 50% conserved