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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPGKKITINMAPADLRKEGSA   78
NTDB id 162437 WS71 RS33125 WP 066495525.1    MSLAVVRSRAPAAGRAPEVTVEVHLANGLPSFSIVGLPDLEVRESRERVRAALQNCGFEFPVRRITVNLAPADLPKESGR   80
NTDB id 1271 LPP RS03220 WP 011213198.1       MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   80
NTDB id 1248 GC085 RS03150 WP 011213198.1     MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG   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                                     **!*** ****** !* ***!!****!*****!!!**  **!***!***!**! ****!***!!*!**!!*!*!****

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NTDB id 1323 RA0C RS07335 WP 004916218.1      YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREE................GFKGIILPKQNT  142
NTDB id 162437 WS71 RS33125 WP 066495525.1    FDLPIALGILAASGQLPADALDGREFAGELSLTGALRPMRGAFAMACGAARGQQADESGSAESAPLPAAAPELYLPLPSA  160
NTDB id 1271 LPP RS03220 WP 011213198.1       FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.................NQHLIIANANA  143
NTDB id 1248 GC085 RS03150 WP 011213198.1     FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.................NQHLIIANANA  143
NTDB id 1397 DSB67 RS15690 WP 005535577.1     FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANKK.................QRHLVVPHANG  143
NTDB id 1153 A1552VC RS00115 WP 000521788.1   FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQV.................ERCLVVPHSNG  143
NTDB id 1387 A4U84 RS06900 WP 020457569.1     FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASKA.................KREIIVPQQNA  143
NTDB id 1349 HI 1117 AAC22771.1               FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQKS.................KRELIIAKQNA  143
consensus                                     *!!*!!*!!!!!!*!*    *   ****!!*!*! **** ***** **! *                  * ****   **

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NTDB id 1323 RA0C RS07335 WP 004916218.1      REAAIVNDLEVYGVENIKEVIDFFNENCPLEPTKVNTREEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGP  222
NTDB id 162437 WS71 RS33125 WP 066495525.1    GEAALVPGVTVYGAADLPALCAHLADAPDGRLAPVAAP.RLDDLPATSAPDLADVIGQTGAKRALEVAAAGGHHMLMIGP  239
NTDB id 1271 LPP RS03220 WP 011213198.1       AEASLTGHQKVFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGA  219
NTDB id 1248 GC085 RS03150 WP 011213198.1     AEASLTGHQKVFTANNLREVCDYLCQGTSLQSLPPKPDL....LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGA  219
NTDB id 1397 DSB67 RS15690 WP 005535577.1     DQAALVGKEQHKSAQSLLEVCAELCGQHQLNLYQTPKKK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGP  219
NTDB id 1153 A1552VC RS00115 WP 000521788.1   DQAALVGVERHKSAQSLLEVCADLCGQQTLSLFQSSPSV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGP  219
NTDB id 1387 A4U84 RS06900 WP 020457569.1     NEVSLVSNTQTYCASTLLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGP  222
NTDB id 1349 HI 1117 AAC22771.1               NEASLVSDQNTYFAQTLLDVVQFLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGP  223
consensus                                      **  **      * ** * *** **     * *                 !*****!!* *!*!* *!!*! !*** *!*

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NTDB id 1323 RA0C RS07335 WP 004916218.1      PGSGKTMLAKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGV  302
NTDB id 162437 WS71 RS33125 WP 066495525.1    PGAGKSMLAARLPGLLPPLTDDEALTSAAILSSSRAGF.APAQWRRRPFRAPHHSSSSAALVGGRNPPQPGEITLAHFGV  318
NTDB id 1271 LPP RS03220 WP 011213198.1       PGSGKTMMAKRFSTLLPELSETQALECAAINSIRGKLP.DFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGV  298
NTDB id 1248 GC085 RS03150 WP 011213198.1     PGSGKTMMAKRFSTLLPELSETQALECAAINSIRGKLP.DFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGV  298
NTDB id 1397 DSB67 RS15690 WP 005535577.1     PGTGKTMLASRLCDLLPEMSDEEAMETASVASLTQSEI.NEHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGL  298
NTDB id 1153 A1552VC RS00115 WP 000521788.1   PGTGKTMLASRLCDLLPEMSDEEAMETASIASLTQQEI.NQHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGL  298
NTDB id 1387 A4U84 RS06900 WP 020457569.1     PGTGKTMLASRLADLLPEMEDDEAIETASVTSLVQNEL.NFQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGV  301
NTDB id 1349 HI 1117 AAC22771.1               PGTGKTMLASRLTGLLPEMTDLEAIETASVTSLVQNEL.NFHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGV  302
consensus                                     !!*!!*!*! !*   *!!**** *!**** * !*         *** *!!!*!!!* !  !!!!!** !*!!!!*!!**!*
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NTDB id 1323 RA0C RS07335 WP 004916218.1      LFLDEMPEFKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPL   381
NTDB id 162437 WS71 RS33125 WP 066495525.1    LFLDELPEFDRHVLETLREPLEAGRITISRAALQADFPAACQLIAAMNPCPCGWRGDPGGRCRCSPDIAARYLRKLSGPL   398
NTDB id 1271 LPP RS03220 WP 011213198.1       LFLDELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPL   378
NTDB id 1248 GC085 RS03150 WP 011213198.1     LFLDELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPL   378
NTDB id 1397 DSB67 RS15690 WP 005535577.1     LFLDEMPEFDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPL   376
NTDB id 1153 A1552VC RS00115 WP 000521788.1   LFLDEMPEFERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPL   376
NTDB id 1387 A4U84 RS06900 WP 020457569.1     LFLDELPEFERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPF   379
NTDB id 1349 HI 1117 AAC22771.1               LFLDELPEFERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPF   380
consensus                                     !!!!!*!!!*! !!***!*!!!**** !!!! * * *!!*******!!*!*! *  * **   **  * !!! *!!*!*

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NTDB id 1323 RA0C RS07335 WP 004916218.1      LDRIDIHIEVQKVEFDQLSD..KRKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNA   459
NTDB id 162437 WS71 RS33125 WP 066495525.1    LDRIDIQIEIPALTPAELAERPATAGESSATVAERVARARERQFARQC....KTNHMLTGRETDALCRPDGTGEALLREA   474
NTDB id 1271 LPP RS03220 WP 011213198.1       LDRIDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREV   454
NTDB id 1248 GC085 RS03150 WP 011213198.1     LDRIDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREV   454
NTDB id 1397 DSB67 RS15690 WP 005535577.1     LDRFDMSLEIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENA   451
NTDB id 1153 A1552VC RS00115 WP 000521788.1   LDRFDMSIEIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESA   451
NTDB id 1387 A4U84 RS06900 WP 020457569.1     LDRFDLSIEVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRG....KINAQLTTKEIEQDCKLTDRDALFLENA   455
NTDB id 1349 HI 1117 AAC22771.1               LDRFDLSIEVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERDCKLNDKDAFFLEKA   455
consensus                                     !!! !* ******  * !      *****  ****! ********!      **!* * *****  ! *   *  **  *

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NTDB id 1323 RA0C RS07335 WP 004916218.1      MEKLNLSARAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 162437 WS71 RS33125 WP 066495525.1    GERFRWSARAYYRVLKVTRTIADLAGDDAPSAGQIAEAIRYRRVFSPV........   522
NTDB id 1271 LPP RS03220 WP 011213198.1       MSKLKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1     MSKLKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1397 DSB67 RS15690 WP 005535577.1     LHRLGLSIRAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1153 A1552VC RS00115 WP 000521788.1   LHRLGLSIRAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1387 A4U84 RS06900 WP 020457569.1     LTKLGLSVRAYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
NTDB id 1349 HI 1117 AAC22771.1               LNKLGLSVRAYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
consensus                                     * ** *! !*!*!**!!*!!!!!* ** **   ****!* !* * ***  *
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X non conserved

X similar

X $\geq$ 50% conserved