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logo

NTDB id 1323 RA0C RS07335 WP 004916218.1          .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPG.KKITINMAPADLRKEGS   77
NTDB id 1007867 ABL846 RS01065 WP 028254191.1     MSLSLVQSRALLGLEAASVTVEVHLANGLPSFTLVGLAETEVKEARERVRSAIQNAGLEFPNNKKIVVNLAPADLPKDSG   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                                         **!*** *****!* !   ***!!****!*****!!!*** *!!***!***!**! ****!* **!**!**!!*!*!***

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NTDB id 1323 RA0C RS07335 WP 004916218.1          AYDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREEGF.KGIILPKQNTREAAIVNDLEVYGV   156
NTDB id 1007867 ABL846 RS01065 WP 028254191.1     RFDLPIALGILAASGQIQPALLAGHEFAGELSLSGELRPVRGALAMALALHTSGIATRLVLPAASAQEAALVPGSEVYGA   160
NTDB id 1271 LPP RS03220 WP 011213198.1           GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHK..DNQHLIIANANAAEASLTGHQKVFTA   157
NTDB id 1248 GC085 RS03150 WP 011213198.1         GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHK..DNQHLIIANANAAEASLTGHQKVFTA   157
NTDB id 1153 A1552VC RS00115 WP 000521788.1       RFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQ..VERCLVVPHSNGDQAALVGVERHKSA   157
NTDB id 1397 DSB67 RS15690 WP 005535577.1         RFDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANK..KQRHLVVPHANGDQAALVGKEQHKSA   157
NTDB id 1349 HI 1117 AAC22771.1                   RFDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQK..SKRELIIAKQNANEASLVSDQNTYFA   157
NTDB id 1387 A4U84 RS06900 WP 020457569.1         RFDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASK..AKREIIVPQQNANEVSLVSNTQTYCA   157
consensus                                         **!!*!!*!!!!!!*!*    *   ****!!*!*! **** ***** *** *    * ****  ** ** **     * *

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NTDB id 1323 RA0C RS07335 WP 004916218.1          ENIKEVIDFFNENCP...LEPTKV......NTREEF...HKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPG   224
NTDB id 1007867 ABL846 RS01065 WP 028254191.1     RHLLDVVQRFMPEGAALPQGEEQQQQQPAADGWARVHAAAAAAAPLYADLADVKGHAGAKRALEIAAAGGHSLLMVGEPG   240
NTDB id 1271 LPP RS03220 WP 011213198.1           NNLREVCDYLCQ.GTSLQSLPPK......PDL.........LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPG   221
NTDB id 1248 GC085 RS03150 WP 011213198.1         NNLREVCDYLCQ.GTSLQSLPPK......PDL.........LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPG   221
NTDB id 1153 A1552VC RS00115 WP 000521788.1       QSLLEVCADLCG.QQTLSLFQSS......PSV.........QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPG   221
NTDB id 1397 DSB67 RS15690 WP 005535577.1         QSLLEVCAELCG.QHQLNLYQTP......KKK.........ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPG   221
NTDB id 1349 HI 1117 AAC22771.1                   QTLLDVVQFLNG.QEKLPLATEI......VKE.....SAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPG   225
NTDB id 1387 A4U84 RS06900 WP 020457569.1         STLLQVVNFLNN.RDQLPIAQQL......SQN.....IAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPG   224
consensus                                         * ***!  **      * *                                !**** !** *!*!* *!!*! !*** *!*!!

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NTDB id 1323 RA0C RS07335 WP 004916218.1          SGKTMLAKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLF   304
NTDB id 1007867 ABL846 RS01065 WP 028254191.1     SGKSMLAQRFAGLLPPMSVDEALESAAVASLAGSF.SAA.RWMNRPTSAPHHTSSAVALVGGGSPPRPGEISQAHHGVLF   318
NTDB id 1271 LPP RS03220 WP 011213198.1           SGKTMMAKRFSTLLPELSETQALECAAINSIRGKLPDFR.EWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLF   300
NTDB id 1248 GC085 RS03150 WP 011213198.1         SGKTMMAKRFSTLLPELSETQALECAAINSIRGKLPDFR.EWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLF   300
NTDB id 1153 A1552VC RS00115 WP 000521788.1       TGKTMLASRLCDLLPEMSDEEAMETASIASLTQQEINQH.NWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLF   300
NTDB id 1397 DSB67 RS15690 WP 005535577.1         TGKTMLASRLCDLLPEMSDEEAMETASVASLTQSEINEH.NWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLF   300
NTDB id 1349 HI 1117 AAC22771.1                   TGKTMLASRLTGLLPEMTDLEAIETASVTSLVQNELNFH.NWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLF   304
NTDB id 1387 A4U84 RS06900 WP 020457569.1         TGKTMLASRLADLLPEMEDDEAIETASVTSLVQNELNFQ.NWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLF   303
consensus                                         *!!*!*! !*  *!!**** *!*!** * !*          ** *!***!!!* ! *!!!!!!* !*!!!!!*!**!*!!
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NTDB id 1323 RA0C RS07335 WP 004916218.1        LDEMPEFKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLD   383
NTDB id 1007867 ABL846 RS01065 WP 028254191.1   LDEFPEFARSALEALREPLETGTITIARAARRAEFPARFQLVAAMNPCPCGYLGSTLKACRCTPDQISRYQAKLSGPLLD   398
NTDB id 1271 LPP RS03220 WP 011213198.1         LDELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLD   380
NTDB id 1248 GC085 RS03150 WP 011213198.1       LDELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLD   380
NTDB id 1153 A1552VC RS00115 WP 000521788.1     LDEMPEFERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLD   378
NTDB id 1397 DSB67 RS15690 WP 005535577.1       LDEMPEFDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLD   378
NTDB id 1349 HI 1117 AAC22771.1                 LDELPEFERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPFLD   382
NTDB id 1387 A4U84 RS06900 WP 020457569.1       LDELPEFERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPFLD   381
consensus                                       !!!*!!! ! *!* *!*!!!**** !*!! *** *!!*!******!!*!*! *  *      **  * !!* *!!*!*!!
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        RIDIHIEVQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAME   461
NTDB id 1007867 ABL846 RS01065 WP 028254191.1   RIDLHIEVPAVSAQQLIDA..PPGESTASIRTRVVAAREFALQRQG....SPNQALQAGAIDKHAALDDAARKFVYNAAA   472
NTDB id 1271 LPP RS03220 WP 011213198.1         RIDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMS   456
NTDB id 1248 GC085 RS03150 WP 011213198.1       RIDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQD....SLNANLNSKTCEMVCELGSEEQLFLREVMS   456
NTDB id 1153 A1552VC RS00115 WP 000521788.1     RFDMSIEIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSG....KVNALLQSREIEQYCPLLKADAEFLESALH   453
NTDB id 1397 DSB67 RS15690 WP 005535577.1       RFDMSLEIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSG....KVNALLGSREIEAFCPLQKSDAEFLENALH   453
NTDB id 1349 HI 1117 AAC22771.1                 RFDLSIEVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAG....KINAYLNSKEIERDCKLNDKDAFFLEKALN   457
NTDB id 1387 A4U84 RS06900 WP 020457569.1       RFDLSIEVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRG....KINAQLTTKEIEQDCKLTDRDALFLENALT   457
consensus                                       ! !* ******    !       *****  ** *!  ****** ! *     *!* *******  * !   *  **  **
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1        KLNLSARAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1007867 ABL846 RS01065 WP 028254191.1   KLGWSARSTHRALKVARTVADLAGAESVGVVHVAEAVQYRRALRN.........   517
NTDB id 1271 LPP RS03220 WP 011213198.1         KLKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1       KLKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1153 A1552VC RS00115 WP 000521788.1     RLGLSIRAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1       RLGLSIRAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1349 HI 1117 AAC22771.1                 KLGLSVRAYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
NTDB id 1387 A4U84 RS06900 WP 020457569.1       KLGLSVRAYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
consensus                                       *!**! !***!**!!*!!*!!* *  **   !***!* !* * **   *
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X non conserved

X similar

X $\geq$ 50% conserved