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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 413139 PI93 RS02295 WP 039365416.1    MSLAVVSSRAITGMAARAVTVEVHLANGLPGLSLVGLPDTEVKESRERVRSALQNSRFEFPARRITVNLAPADLPKASGC   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                                     **!*** *****!* !  ***!!****!******!!!*** *!!***!***!**!*****!***!!*!**!!*!*!***

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      YDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIA.IRAREEGFKGIILPKQNTREAAIVNDLEVYGVE  157
NTDB id 1271 LPP RS03220 WP 011213198.1       FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPA..VLAAHKDNQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 1248 GC085 RS03150 WP 011213198.1     FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPA..VLAAHKDNQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 413139 PI93 RS02295 WP 039365416.1    FDLPIALGILAASGQLPEAGLRTHEFAGELSLTGELRAVRGGLAMASAVAAEPSARALVLPAGSAQEAALVEDATVYGAR  160
NTDB id 1153 A1552VC RS00115 WP 000521788.1   FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPA..ALAANQVERCLVVPHSNGDQAALVGVERHKSAQ  158
NTDB id 1397 DSB67 RS15690 WP 005535577.1     FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPA..ALAANKKQRHLVVPHANGDQAALVGKEQHKSAQ  158
NTDB id 1349 HI 1117 AAC22771.1               FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPA..ILAAQKSKRELIIAKQNANEASLVSDQNTYFAQ  158
NTDB id 1387 A4U84 RS06900 WP 020457569.1    FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPA..VLAASKAKREIIVPQQNANEVSLVSNTQTYCAS  158
consensus                                     *!!*!!*!!!!!!*!*    *   ****!!*!*! **** *****  **!* *  * ****  ** ** **     * **

logo
NTDB id 1323 RA0C RS07335 WP 004916218.1      NIKEVIDFFNENCPLEPTKVNTR............EEFHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGS  225
NTDB id 1271 LPP RS03220 WP 011213198.1       NLREVCDYLCQGTSLQSLPPKPD................LLLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGS  222
NTDB id 1248 GC085 RS03150 WP 011213198.1     NLREVCDYLCQGTSLQSLPPKPD................LLLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGS  222
NTDB id 413139 PI93 RS02295 WP 039365416.1    TLLDVCAHLAEPGVAIPLPRAVVPSAVAAASGVGHDGARATGLAETSDISDVKGQAHAKRALEVAAAGGHHILFYGPPGT  240
NTDB id 1153 A1552VC RS00115 WP 000521788.1   SLLEVCADLCGQQTL.SLFQSSP...........SV....QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGT  222
NTDB id 1397 DSB67 RS15690 WP 005535577.1     SLLEVCAELCGQHQL.NLYQTPK...........KK....ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGT  222
NTDB id 1349 HI 1117 AAC22771.1               TLLDVVQFLNGQEKL.PLATEIV...........KESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGT  226
NTDB id 1387 A4U84 RS06900 WP 020457569.1    TLLQVVNFLNNRDQL.PIAQQLS...........QNIAEN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGT  225
consensus                                     ****!* **      *  *                                !**** !!***!*!* *!!*! !*****!*!!*

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NTDB id 1323 RA0C RS07335 WP 004916218.1      GKTMLAKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFL  305
NTDB id 1271 LPP RS03220 WP 011213198.1       GKTMMAKRFSTLLPELSETQALECAAINSIRGKL.PDFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFL  301
NTDB id 1248 GC085 RS03150 WP 011213198.1     GKTMMAKRFSTLLPELSETQALECAAINSIRGKL.PDFREWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFL  301
NTDB id 413139 PI93 RS02295 WP 039365416.1    GKSMLATRLAGLLPALSKAQAVEAATLASLSAQG.FDMRHWGRRPFRAPHHTASSAALVGGGSAPRPGEISLAHRGVLFL  319
NTDB id 1153 A1552VC RS00115 WP 000521788.1   GKTMLASRLCDLLPEMSDEEAMETASIASLTQQE.INQHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFL  301
NTDB id 1397 DSB67 RS15690 WP 005535577.1     GKTMLASRLCDLLPEMSDEEAMETASVASLTQSE.INEHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFL  301
NTDB id 1349 HI 1117 AAC22771.1               GKTMLASRLTGLLPEMTDLEAIETASVTSLVQNE.LNFHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFL  305
NTDB id 1387 A4U84 RS06900 WP 020457569.1    GKTMLASRLADLLPEMEDDEAIETASVTSLVQNE.LNFQNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFL  304
consensus                                     !!*!*!*!*  *!!**** *!*!**** !*          ** *!!!*!!!**!  !!!!!!* !*!!!!!!!**!*!!!
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1     DEMPEFKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDP.NNTSSSFEMQRYLNKLSGPLLDR   384
NTDB id 1271 LPP RS03220 WP 011213198.1      DELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDR   381
NTDB id 1248 GC085 RS03150 WP 011213198.1    DELPEFNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDR   381
NTDB id 413139 PI93 RS02295 WP 039365416.1   DELPEFQRRVLEVLREPLELGYVTISRAGGHATFPAAFQLVAAMNPCPCGDLGHPSRSCRCTSEAVARYRGRLSGPLLER   399
NTDB id 1153 A1552VC RS00115 WP 000521788.1  DEMPEFERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGS..QARANPQSILRYLSRLSGPLLDR   379
NTDB id 1397 DSB67 RS15690 WP 005535577.1    DEMPEFDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGN..QARTNPQAILRYLGRLSGPLLDR   379
NTDB id 1349 HI 1117 AAC22771.1              DELPEFERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGT..HNRTSPQQIMRYLNRLSGPFLDR   383
NTDB id 1387 A4U84 RS06900 WP 020457569.1    DELPEFERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGT..HNRTSPQQLMRYLNRLSGPFLDR   382
consensus                                    !!*!!! !*!!* *!*!!!**** !!!! * * *!!*!******!!*!*! *  *  * * **  * !!* *!!*!*!*!
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1     IDIHIEVQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEK   462
NTDB id 1271 LPP RS03220 WP 011213198.1      IDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSK   457
NTDB id 1248 GC085 RS03150 WP 011213198.1    IDMQVTIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSK   457
NTDB id 413139 PI93 RS02295 WP 039365416.1   IDLHVEVPALNAETFAAP..ASGERSDVVARRVRQARERQLSRQGQ....LNCGLSGRALETQCALRPDALDVLHRAVTQ   473
NTDB id 1153 A1552VC RS00115 WP 000521788.1  FDMSIEIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLESALHR   454
NTDB id 1397 DSB67 RS15690 WP 005535577.1    FDMSLEIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLENALHR   454
NTDB id 1349 HI 1117 AAC22771.1              FDLSIEVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLEKALNK   458
NTDB id 1387 A4U84 RS06900 WP 020457569.1    FDLSIEVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLENALTK   458
consensus                                     !* ******    *       *** *  ** *!  ****** ! *     *!* * ****!  ! !   *  **  ** *
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logo
NTDB id 1323 RA0C RS07335 WP 004916218.1     LNLSARAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 1271 LPP RS03220 WP 011213198.1      LKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GC085 RS03150 WP 011213198.1    LKLSARGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 413139 PI93 RS02295 WP 039365416.1   HHWSARTYHRVLRVARTVADLAGCTDIDAHHVGEAVQYREAPAS.........   517
NTDB id 1153 A1552VC RS00115 WP 000521788.1  LGLSIRAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1    LGLSIRAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1349 HI 1117 AAC22771.1              LGLSVRAYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
NTDB id 1387 A4U84 RS06900 WP 020457569.1    LGLSVRAYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
consensus                                    * *! !*!*!***!*!!*!!* *   **    !***!* !* * **    *
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X non conserved

X similar

X $\geq$ 50% conserved