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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 144169 XM39 RS20200 WP 042114237.1   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       FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIP..AVLAAHKDNQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 1248 GC085 RS03150 WP 011213198.1     FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIP..AVLAAHKDNQHLIIANANAAEASLTGHQKVFTAN  158
NTDB id 144169 XM39 RS20200 WP 042114237.1   FDLPIALGILAASGQLPEAGLRTHEFAGELSLTGELRAVRGGLAMASAMAAEPSARALVLPAGSAQEAALVEDATVYGAR  160
NTDB id 1153 A1552VC RS00115 WP 000521788.1  FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLP..AALAANQVERCLVVPHSNGDQAALVGVERHKSAQ  158
NTDB id 1397 DSB67 RS15690 WP 005535577.1    FDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLP..AALAANKKQRHLVVPHANGDQAALVGKEQHKSAQ  158
NTDB id 1349 HI 1117 AAC22771.1               FDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIP..AILAAQKSKRELIIAKQNANEASLVSDQNTYFAQ  158
NTDB id 1387 A4U84 RS06900 WP 020457569.1    FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIP..AVLAASKAKREIIVPQQNANEVSLVSNTQTYCAS  158
consensus                                    *!!*!!*!!!!!!*!*    *   ****!!*!*! **** ****  ***!* *  * ****  ** ** **     * **

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NTDB id 1323 RA0C RS07335 WP 004916218.1      NIKEVIDFFNENCPLEPTKVNTREE............FHKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGS  225
NTDB id 1271 LPP RS03220 WP 011213198.1       NLREVCDYLCQGTSLQSLPPKPDL................LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGS  222
NTDB id 1248 GC085 RS03150 WP 011213198.1     NLREVCDYLCQGTSLQSLPPKPDL................LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGS  222
NTDB id 144169 XM39 RS20200 WP 042114237.1   TLLDVCAHLAAPDVATPLPRAVVANACAASASYGPTGTRGTDFPVMGDMSDVKGQAHAKRALEVAAAGGHHLLFYGPPGT  240
NTDB id 1153 A1552VC RS00115 WP 000521788.1  SLLEVCADLCGQQTLSLFQSSP.SV...............QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGT  222
NTDB id 1397 DSB67 RS15690 WP 005535577.1    SLLEVCAELCGQHQLNLYQTPK.KK...............ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGT  222
NTDB id 1349 HI 1117 AAC22771.1               TLLDVVQFLNGQEKLPLATEIV.KES...........AVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGT  226
NTDB id 1387 A4U84 RS06900 WP 020457569.1    TLLQVVNFLNNRDQLPIAQQLS.QNI...........AEN.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 144169 XM39 RS20200 WP 042114237.1   GKSMLATRLVGLLPALSKAQAVEAATLASLSAQG.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 144169 XM39 RS20200 WP 042114237.1    DELPEFQRRVLEVLREPLELGHVTISRAGGHATFPAAFQLVAAMNPCPCGDLGHPSRSCRCTSDAVARYRGRLSGPLLDR   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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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 144169 XM39 RS20200 WP 042114237.1    IDLHVEVPALSAETFAAP..ASGERSEVVALRVRQARERQLSRQGQ....LNCGLSGSALETQCALRPDAREVLHRAVTQ   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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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 144169 XM39 RS20200 WP 042114237.1    HHWSARTYHRVLRVARTVADIAGCESIDAHHVGEAVQYREAPPS.........   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