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logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   MRKIIAILIL..ISASLSMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ   78
NTDB id 1257 GC085 RS04855 WP 163621000.1   MRKIIAILIL..ISASLSLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ   78
NTDB id 1009 ACIAD RS15175 WP 004923730.1   MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K   77
NTDB id 1052 ABD1 RS15850 WP 001017033.1    MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLK..Q   77
NTDB id 1039 HON27 RS01460 WP 031993779.1   MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLK..Q   77
NTDB id 215894 BST95 RS03915 WP 338073403.1 ..............................................................MDFPGASSKLE..R   12
NTDB id 1193 PAKAF RS26665 WP 003161249.1   MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T   76
consensus                                   *  **    ** **  *  ***   **  *  * ****  **** *      * ** **** ****!*  * * *   *

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENSKE.............VFITNQV   145
NTDB id 1257 GC085 RS04855 WP 163621000.1   KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDLFENSKE.............VFITNQV   145
NTDB id 1009 ACIAD RS15175 WP 004923730.1   SLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTAT.....P.......VATS.......A   138
NTDB id 1052 ABD1 RS15850 WP 001017033.1    SKISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNK.....P.......LPVV.......S   138
NTDB id 1039 HON27 RS01460 WP 031993779.1   SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK.....P.......LPVV.......S   138
NTDB id 215894 BST95 RS03915 WP 338073403.1 KRYSLPYGNATGVVVLESGDRTRMVVNLVKLVPYETRVEGNSMYLVVGQDGDDYLKPA.........SDPNRLPTEVTPV   83
NTDB id 1193 PAKAF RS26665 WP 003161249.1   KNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPY   156
consensus                                   *  **  * **** **   *!*!****!     ******!* * ****             *

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV   225
NTDB id 1257 GC085 RS04855 WP 163621000.1   VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV   225
NTDB id 1009 ACIAD RS15175 WP 004923730.1   PAPQQGIGNIGFQRGAQGEGLVVIDLQGINTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSNG   218
NTDB id 1052 ABD1 RS15850 WP 001017033.1    .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
NTDB id 1039 HON27 RS01460 WP 031993779.1   .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
NTDB id 215894 BST95 RS03915 WP 338073403.1 ADVDSEISDLQFQRTADGEGRLTLALTDPSVDVNVFSEAGDIKLQFVDTNVPERLMRRFDVTDFATPVQSVDVNTTERGA   163
NTDB id 1193 PAKAF RS26665 WP 003161249.1   VPAGRAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRT   236
consensus                                        ** **  !***   **! ******** ********* **** ** ***!   ! *!***!!**!!****   **    *

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   RMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG   305
NTDB id 1257 GC085 RS04855 WP 163621000.1   RMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG   305
NTDB id 1009 ACIAD RS15175 WP 004923730.1   VISIQSTGSYEYMAYQAENKLTISLKRPQDNVRLN.SKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQG   297
NTDB id 1052 ABD1 RS15850 WP 001017033.1    VITIQSSGSYEYMAYQAENKLTISLKRPQDKNVTS.LYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG   296
NTDB id 1039 HON27 RS01460 WP 031993779.1   VITIQSSGSYEYMAYQAENKLTISLKRPQDKNVTS.LYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG   296
NTDB id 215894 BST95 RS03915 WP 338073403.1 TLTLKTAGDFDYLAYQTNNEYVLSVKPLTLKEVEER.RNEFAYVGDRISLNFQDIEVRAVLQLIADFTEMNLVASDTVRG   242
NTDB id 1193 PAKAF RS26665 WP 003161249.1   SITIEPSGLYDYLVYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG   316
consensus                                    *** **! *****!! ************   **      *    **! **!!*!!*!**!  !!!!*!!!!**!*!**!*!*!
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logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   DITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLI   385
NTDB id 1257 GC085 RS04855 WP 163621000.1   DITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLI   385
NTDB id 1009 ACIAD RS15175 WP 004923730.1   NITLHLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILLKYAKAADIEKLI   377
NTDB id 1052 ABD1 RS15850 WP 001017033.1    NITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLI   376
NTDB id 1039 HON27 RS01460 WP 031993779.1   NITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLI   376
NTDB id 215894 BST95 RS03915 WP 338073403.1 RITLRLQNVPWDQALELVLKTKGLDKRMIGNVLMVAPAAEIAERERQEIEANKQIAELAPLVSEFVRIRYAKASDVTKLF   322
NTDB id 1193 PAKAF RS26665 WP 003161249.1   NITLRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKLF   396
consensus                                   *!!!*!***!!!!!!***!*!**!!!!* !!!***** *** * !******* ** *!*!* *******!!!!*!*   !*

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   KDKQN...............................SLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQV   434
NTDB id 1257 GC085 RS04855 WP 163621000.1   KDKQN...............................SLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQV   434
NTDB id 1009 ACIAD RS15175 WP 004923730.1   TQGRNSGTSNSN.........TNGSATVEPLGDSVGTLLSPRGTISLDPRTNTLIINDTSQKIDQIRKMIDLLDIPVKQV   448
NTDB id 1052 ABD1 RS15850 WP 001017033.1    TQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQV   456
NTDB id 1039 HON27 RS01460 WP 031993779.1   TQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQV   456
NTDB id 215894 BST95 RS03915 WP 338073403.1 QAGSEEGGSL.........................ISSRGSVVVDARTNSLIITDTANKMQEIRDLIELVDIPVRQV   374
NTDB id 1193 PAKAF RS26665 WP 003161249.1   QSVTSDGGQEG.........................KEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQV   450
consensus                                     ***                               ****  !!****! !!!*****************!******!**!*!!

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   LIEARIVEVTKDFSQDIGIRWGVSRPTHL.SGTLEGANELARGTA..PAN...............VVPLERRLNLDLAAA   496
NTDB id 1257 GC085 RS04855 WP 163621000.1   LIEARIVEVTKDFSQDIGIRWGVSRPTHL.SGTLEGANELARGTA..PAN...............VVPLERRLNLDLAAV   496
NTDB id 1009 ACIAD RS15175 WP 004923730.1   MIEARIVRATTSFSKEMGVKWGILSQGINQNS.....NLLVGGSETTLWNLRNPDSN.....GTYTIERPDNLNVDLGV.   517
NTDB id 1052 ABD1 RS15850 WP 001017033.1    MVEARIVRASTSFTKELGVKWGILSQGITNNN.....NLLVGGSETTLWNLREPKKDETTGGYKYTIERPDNLNVDLGV.   530
NTDB id 1039 HON27 RS01460 WP 031993779.1   MVEARIVRASTSFTKELGVKWGILSQGITNNN.....NLLVGGSETTLWNLREPKKDETTGGYKYTIERPDNLNVDLGV.   530
NTDB id 215894 BST95 RS03915 WP 338073403.1 MIESRIVIAQSDLTHNLGIEWGGGYIEPDLNG.....NIGSISGD..TAN.VAALNQSIINGTTPSVSYPGALLVDLG..   444
NTDB id 1193 PAKAF RS26665 WP 003161249.1   MIEARIVEANVGYDKSLGVRWGGAYHKGNWSGYGKDGNIGIKDED..GMN.CGPIAGSCTFPTTGTSKSPS.PFVDLGA.   525
consensus                                   **!*!!! *** *****!**!!*       **     !*** ***    !   *           **   *   ***!!*

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   PLTGATPASVGIALAKLN.DNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAFK   572
NTDB id 1257 GC085 RS04855 WP 163621000.1   PLTGATPASVGIALAKLN.DNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAFK   572
NTDB id 1009 ACIAD RS15175 WP 004923730.1   ....TTTGASSIAFGLISLSDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTSFK   593
NTDB id 1052 ABD1 RS15850 WP 001017033.1    ....SNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFK   605
NTDB id 1039 HON27 RS01460 WP 031993779.1   ....SNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFK   605
NTDB id 215894 BST95 RS03915 WP 338073403.1 ....VAS.TSGFAVGFTS.DDLFLTAELSALEAAGEGEVVSQPKVITGDKQQANIKSGTEIPYQEASASGA...TSTSFK   515
NTDB id 1193 PAKAF RS26665 WP 003161249.1   ....KDA.TSGIGIGFIT.DNIILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA...TSTSFK   596
consensus                                         * * ***** ** ****!***!!!****! *!**!*!******** !** *! **!!!*** !*!    ****!!
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logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   KAVLSLKVTPQITPDGKILMDLQINQDTPSPQTFL....GVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPF   648
NTDB id 1257 GC085 RS04855 WP 163621000.1   KAVLSLKVTPQITPDGKILMDLQINQDTPSPQTFL....GVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPF   648
NTDB id 1009 ACIAD RS15175 WP 004923730.1   EALLSLEVTPNITPDGKILMELNIANDSINSYAQN....GEAILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVPF   669
NTDB id 1052 ABD1 RS15850 WP 001017033.1    DALLSLNVTPSITPDGKIQMKLDISKDSVAGAAPN....GELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPF   681
NTDB id 1039 HON27 RS01460 WP 031993779.1   DALLSLNVTPSITPDGKIQMKLDISKDSVAGAAPN....GELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPF   681
NTDB id 215894 BST95 RS03915 WP 338073403.1 EAVLELDVTPSITPDDRIMLDLVIKQDSVGELVPSGRGGFIPSIDTTELNSQVLVGNGETVVLGGVFKTEDLESVNKVPF   595
NTDB id 1193 PAKAF RS26665 WP 003161249.1   EAALSLEVTPQITPDNRIIVEVKVTKDAPDYQ...NMLNGVPPINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPF   673
consensus                                   *!*!*! !!!*!!!!**!**** * *!**          *** **********!!**!*!***!!** **    ** **!!

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   FGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1257 GC085 RS04855 WP 163621000.1   FGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1009 ACIAD RS15175 WP 004923730.1   LGDLPYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH..........   709
NTDB id 1052 ABD1 RS15850 WP 001017033.1    FGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........   721
NTDB id 1039 HON27 RS01460 WP 031993779.1   FGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........   721
NTDB id 215894 BST95 RS03915 WP 338073403.1 FGDIPYVGAFFRSTSISKTKTETLIFITPKILADTLLD............   633
NTDB id 1193 PAKAF RS26665 WP 003161249.1   LGELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR.........   714
consensus                                   *!**!**!**!**   *** **!*!*!*!!*!*****
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X non conserved

X similar

X $\geq 50\%$ conserved