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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   MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLP.PQPQAYQLEQPARLILDFDKAGQKLA..K   77
NTDB id 1039 HON27 RS01460 WP 031993779.1   MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLP.PQPQAYQLENPSRLILDFDKAQQGLK..Q   77
NTDB id 1052 ABD1 RS15850 WP 001017033.1   MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLP.PQPQAYQLENPSRLILDFDKAQQGLK..Q   77
NTDB id 310763 D0B88 RS06415 WP 225318562.1   ..............................................MAFDSPP.QMPQGYTIEKPARIVLDFPDAISALK..E   34
NTDB id 1193 PAKAF RS26665 WP 003161249.1   MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPV.AAPRGYTIEQPARIALDLPGVQNKLG..T   76
consensus                                   *  **    ** **  *  ***   **  *  * ****  **** !  **   !*** ***! !**!!*  * * *   *

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENSK.............EVFITNQV   145
NTDB id 1257 GC085 RS04855 WP 163621000.1   KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDLFENSK.............EVFITNQV   145
NTDB id 1009 ACIAD RS15175 WP 004923730.1   SLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTAT.....PVAT...............SA   138
NTDB id 1039 HON27 RS01460 WP 031993779.1   SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK.....PLPV...............VS   138
NTDB id 1052 ABD1 RS15850 WP 001017033.1   SKISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNK.....PLPV...............VS   138
NTDB id 310763 D0B88 RS06415 WP 225318562.1   RRYPLAVDNGQSAMVLTSDGRTRLILNLNALAPYTTRTDGNSFIVEVGAAKAADAQKSIRPSVEIAQKS....GFKEADP   110
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   PAPQQGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSNG   218
NTDB id 1039 HON27 RS01460 WP 031993779.1   .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
NTDB id 1052 ABD1 RS15850 WP 001017033.1   .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
NTDB id 310763 D0B88 RS06415 WP 225318562.1   VANQNRITNVDFRRGTAGEGRIIISLSNPKVAADMVGTGAGVRLTFKDAWLPPELRRRLDVVDFATPVSLVSAGQEGESA   190
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   VISIQSTGSYEYMAYQAENKLTISLKRPQDNVR.LNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQG   297
NTDB id 1039 HON27 RS01460 WP 031993779.1   VITIQSSGSYEYMAYQAENKLTISLKRPQDKNV.TSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG   296
NTDB id 1052 ABD1 RS15850 WP 001017033.1   VITIQSSGSYEYMAYQAENKLTISLKRPQDKNV.TSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG   296
NTDB id 310763 D0B88 RS06415 WP 225318562.1   VLNIAAGGDFDYLAYQTDNEYVVSIKPLTEQEK.LEKKKDFEYTGEKLSLDFQDIEVRAVLQIIADFTDLNLVASDTVQG   269
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 1039 HON27 RS01460 WP 031993779.1   NITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLI   376
NTDB id 1052 ABD1 RS15850 WP 001017033.1   NITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLI   376
NTDB id 1310763 D0B88 RS06415 WP 225318562.1   RITLRLQNVPWDQALEMVLKNKGLDKRQVGNVLMVAPAAEIAERERQEITTKKQLEELAPLRTEYIRVRYANAKEMFELF   349
NTDB id 1193 PAKAF RS26665 WP 003161249.1   NITLRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKLF   396
consensus                                   *!!!*!***!!!!!!***!***!!!!* !!!***** *** * !****** ** *!*!*****!***!!*!***  !*

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   KDKQ...............................NSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQV   434
NTDB id 1257 GC085 RS04855 WP 163621000.1   KDKQ...............................NSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQV   434
NTDB id 1009 ACIAD RS15175 WP 004923730.1   TQGRNSGTSNSN........TNGSATVEPLGDSVGTLLSPRGTISLDPRTNTLIINDTSQKIDQIRKMIDLLDIPVKQV   448
NTDB id 1039 HON27 RS01460 WP 031993779.1   TQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQV   456
NTDB id 1052 ABD1 RS15850 WP 001017033.1   TQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQV   456
NTDB id 1310763 D0B88 RS06415 WP 225318562.1   RGEGGGG.GSGGG..............SGGSRATGSVLSERGQGVVDERTNSIIITDTAERIEAFKRLVDQIDIPIRQV   413
NTDB id 1193 PAKAF RS26665 WP 003161249.1   QSVTSDG.GQEGK..............EGG..........RGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQV   450
consensus                                          *                *      ***** !!****!*!!!******** *** ********!****!!

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   LIEARIVEVTKDFSQDIGIRWGVSRPTHLSGT..LEGAN.....ELARGTAPA..................NVV..PLERR   488
NTDB id 1257 GC085 RS04855 WP 163621000.1   LIEARIVEVTKDFSQDIGIRWGVSRPTHLSGT..LEGAN.....ELARGTAPA..................NVV..PLERR   488
NTDB id 1009 ACIAD RS15175 WP 004923730.1   MIEARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGGS.............ETTLWNLRNPDSN.....GTYTIERPDN   510
NTDB id 1039 HON27 RS01460 WP 031993779.1   MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGS.............ETTLWNLREPKKDETTGGYKYTIERPDN   523
NTDB id 1052 ABD1 RS15850 WP 001017033.1   MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGS.............ETTLWNLREPKKDETTGGYKYTIERPDN   523
NTDB id 1310763 D0B88 RS06415 WP 225318562.1   MIEARIVIANTDFQRELGVRWGGIGYNEKPGSRIIDFAGSREGLDDTDGTSPRD..WFVSDPAD.....GNSF..DLNEA   484
NTDB id 1193 PAKAF RS26665 WP 003161249.1   MIEARIVEANVGYDKSLGVRWGGAYHKGNWSGY...GKDGNIGIKDEDGMNCGPIAGSCTFPTT.....GT....SKSPS   518
consensus                                   **!!!!! *** *****!**!!**       * ** **          *       * *  *       *  *  ** *

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   LNLDLAAAAPLTGATPASVGIALAKLN.DNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA.   566
NTDB id 1257 GC085 RS04855 WP 163621000.1   LNLDLAAVPLTGATPASVGIALAKLN.DNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA.   566
NTDB id 1009 ACIAD RS15175 WP 004923730.1   LNVDLG.....VTTTGASSIAFGLISLSDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAG   585
NTDB id 1039 HON27 RS01460 WP 031993779.1   LNVDLG.....VSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAG   597
NTDB id 1052 ABD1 RS15850 WP 001017033.1   LNVDLG.....VSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAG   597
NTDB id 1310763 D0B88 RS06415 WP 225318562.1   DVVDLA.....VANP.YASAAIGVLT.DNTYLDLELSALENSGYAEIVSQPKVITSDKQLAIIKSGKEIGYQETAPSGG.   556
NTDB id 1193 PAKAF RS26665 WP 003161249.1   PFVDLG.....AKDA.TSGIGIGFIT.DNILLDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA.   590
consensus                                   ***!!*      *  *    ******** ** *!!!*!!!** *!**!**!*!******** !** *! ***!!*** !**
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logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1    ..TAVAFKKAVLSLKVTPQITPDGKILMDLQINQDTPS.PQTFLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVI   643
NTDB id 1257 GC085 RS04855 WP 163621000.1     ..TAVAFKKAVLSLKVTPQITPDGKILMDLQINQDTPS.PQTFLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVI   643
NTDB id 1009 ACIAD RS15175 WP 004923730.1     STATTSFKEALLSLEVTPNITPDGKILMELNIANDSIN.SYAQNGEAILNKNTINTNVLVNNGETVVLGGVFEQTTNNAV   664
NTDB id 1039 HON27 RS01460 WP 031993779.1     STATTSFKDALLSLNVTPSITPDGKIQMKLDISKDSVA.GAAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQ   676
NTDB id 1052 ABD1 RS15850 WP 001017033.1      STATTSFKDALLSLNVTPSITPDGKIQMKLDISKDSVA.GAAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQ   676
NTDB id 310763 D0B88 RS06415 WP 225318562.1  ..TTTGFREAVLKLEVTPQITPDNRIIMDLIVWKDSIG.ANTPSGVPTVDITRLETKVLVNNGQTVVLGGVFSLEGTKGE   633
NTDB id 1193 PAKAF RS26665 WP 003161249.1    ..TSTSFKEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNMLNGVPPINKNEVNAKILVNDGETIVIGGVFSNEQSKSV   668
consensus                                     ****!**!*!*! !!!*!!!!**!**** * *!**    *  *!** **** *****!!**!*!***!!** **   * *
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logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1    NRIPFFGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1257 GC085 RS04855 WP 163621000.1     NRIPFFGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1009 ACIAD RS15175 WP 004923730.1     TKVPFLGDLPYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH..........   709
NTDB id 1039 HON27 RS01460 WP 031993779.1     TKVPFFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........   721
NTDB id 1052 ABD1 RS15850 WP 001017033.1      TKVPFFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........   721
NTDB id 310763 D0B88 RS06415 WP 225318562.1  NKVPVLGDIPYLGRLFKKTTDNQFKTELLIFVTPKLMSDTLSN............   676
NTDB id 1193 PAKAF RS26665 WP 003161249.1    EKVPFLGELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR.........   714
consensus                                     **!**!**!**!*!!**    ** **!!!*!*!!*******
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X non conserved

X similar

X $\geq$ 50% conserved