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logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   MRKIIAILILI..SASLSMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ   78
NTDB id 1257 GC085 RS04855 WP 163621000.1   MRKIIAILILI..SASLSLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ   78
NTDB id 1009 ACIAD RS15175 WP 004923730.1   MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGGGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLAK..   77
NTDB id 1039 HON27 RS01460 WP 031993779.1   MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGGGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLKQ..   77
NTDB id 1052 ABD1 RS15850 WP 001017033.1   MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGGGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLKQ..   77
NTDB id 1156316 AK973 RS02880 WP 060613200.1   MNRFFSALGISLWI.ALLSPMVLGASLKTLDVAALPGDRVELKLSFDGPPP.SPRGYTTEQPARIALDLPGVTNQLSS..   76
NTDB id 1193 PAKAF RS26665 WP 003161249.1   MNSGLSRLGIALLA.AMFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLGT..   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   SLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQST............ATPVATSAPA.....   140
NTDB id 1039 HON27 RS01460 WP 031993779.1   SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTS............NKPLPVVS.A.....   139
NTDB id 1052 ABD1 RS15850 WP 001017033.1   SKISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTS............NKPLPVVS.A.....   139
NTDB id 1156316 AK973 RS02880 WP 060613200.1   KRRDLGGGNARSATVVEAGDRTRLIIGLTQLAPYDTRIEGNNLFVVVGKGAAPKSTAPRSSAQA.PRP.AVASAAPARAS   154
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   ..PQQGIGNIGFQRGAQGEGLVVIDLQGINTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSNG   218
NTDB id 1039 HON27 RS01460 WP 031993779.1   ..QPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
NTDB id 1052 ABD1 RS15850 WP 001017033.1   ..QPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
NTDB id 1156316 AK973 RS02880 WP 060613200.1   APVGKAIRGVDFQRGTQGEGNVVIDLSDPSIAPDIQEREGKIILNFARTQLPEPLRVRLDVKDFATPVQFVNASAGSDRA   234
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   VISIQSTGSYEYMAYQAENKLTISLKRPQD.NVRLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQG   297
NTDB id 1039 HON27 RS01460 WP 031993779.1   VITIQSSGSYEYMAYQAENKLTISLKRPQD.KNVTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG   296
NTDB id 1052 ABD1 RS15850 WP 001017033.1   VITIQSSGSYEYMAYQAENKLTISLKRPQD.KNVTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG   296
NTDB id 1156316 AK973 RS02880 WP 060613200.1   TISIEPSGTFDYSTYQTDNKLTVSVRPMTVDDLQKRNADRAAYSGEKLSLNFQDIEVRSVLQLIADFTNLNLVASDTVQG   314
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 156316 AK973 RS02880 WP 060613200.1 GITLRLQNVPWDQALDLVLKTKGLDKRKVGNVLLVAPADEIAARERQELESQKQIADLAPLRRELLQVNYAKATDIAKLF   394
NTDB id 1193 PAKAF RS26665 WP 003161249.1   NITLRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAAREREQELEAQKQIAELAPLRRELIQVNYAKAADIAKLF   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 156316 AK973 RS02880 WP 060613200.1 QSVTSAE...........................AKADERGTITVDERTNNIIAYQTQDRLDELRRIVAQLDIPVRQV   445
NTDB id 1193 PAKAF RS26665 WP 003161249.1   QSVTSDGGQ..........................EGKEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQV   450
consensus                                     *                                **** !!*!**!*!!!******* *****!*** *!!**!*!!

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   LIEARIVEVTKDFSQDIGIRWGVSRPTH..LSGTLEGANELA....RGTAPAN............VVPLE..RRLNLDLA   494
NTDB id 1257 GC085 RS04855 WP 163621000.1   LIEARIVEVTKDFSQDIGIRWGVSRPTH..LSGTLEGANELA....RGTAPAN............VVPLE..RRLNLDLA   494
NTDB id 1009 ACIAD RS15175 WP 004923730.1   MIEARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGGSETTLWNLRNPD.......SN.....GTYTIERPDNLNVDLG   516
NTDB id 1039 HON27 RS01460 WP 031993779.1   MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPK.......KDETTGGYKYTIERPDNLNVDLG   529
NTDB id 1052 ABD1 RS15850 WP 001017033.1   MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPK.......KDETTGGYKYTIERPDNLNVDLG   529
NTDB id 156316 AK973 RS02880 WP 060613200.1 MIEARIVEANVDYDKSLGVRWGGSVQNKGNWSSSGVTT...G................DSTTVG.TPGSTSTNQPFVDLG   505
NTDB id 1193 PAKAF RS26665 WP 003161249.1   MIEARIVEANVGYDKSLGVRWGGAY.HKGNWSGYGKDG...N.IGIKDEDGMNCGPIAGSCTFP.TTGTSKSPSPFVDLG   524
consensus                                   **!!!!!***  *****!**!!*  *   * *  **** *     **              *      ***  ****!!*

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   AAPLTGATPASVGIALAKL.NDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVA   570
NTDB id 1257 GC085 RS04855 WP 163621000.1   AVPLTGATPASVGIALAKL.NDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVA   570
NTDB id 1009 ACIAD RS15175 WP 004923730.1   V.....TTTGASSIAFGLISLSDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTS   591
NTDB id 1039 HON27 RS01460 WP 031993779.1   V.....SNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTS   603
NTDB id 1052 ABD1 RS15850 WP 001017033.1   V.....SNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTS   603
NTDB id 156316 AK973 RS02880 WP 060613200.1 A.....SGN.TSGIGIAFI.TDNVLLDLELTAMEKTGNGEIVSQPKVVTSDKETAKILKGTEIPYQEASSSGA...TSVS   575
NTDB id 1193 PAKAF RS26665 WP 003161249.1   A.....KDA.TSGIGIGFI.TDNIILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA...TSTS   594
consensus                                   *     * * * *!*** *  ****!!!*!*!** *! *!**!*!*********!** *! **!!!****!*!   ****
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logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   FKKAVLSLKVTPQITPDGKILMDLQINQDTPSP.QTFLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFF   649
NTDB id 1257 GC085 RS04855 WP 163621000.1   FKKAVLSLKVTPQITPDGKILMDLQINQDTPSP.QTFLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFF   649
NTDB id 1009 ACIAD RS15175 WP 004923730.1   FKEALLSLEVTPNITPDGKILMELNIANDSINS.YAQNGEAILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVPFL   670
NTDB id 1039 HON27 RS01460 WP 031993779.1   FKDALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFF   682
NTDB id 1052 ABD1 RS15850 WP 001017033.1    FKDALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFF   682
NTDB id 156316 AK973 RS02880 WP 060613200.1 FKEASLSLEVTPQITPDNRIIMEVKVTKDEPDYLNKVNDVPPIKKNEVNAKVLVNDGETIVIGGVFSNTQSKVVDKVPFL   655
NTDB id 1193 PAKAF RS26665 WP 003161249.1   FKEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNMLNGVPPINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPFL   674
consensus                                   !!*!*!!! !!!*!!!!**!**** ***!**    *  **** **********!!**!*!***!!** **  * * **!!*

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   GELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1257 GC085 RS04855 WP 163621000.1   GELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1009 ACIAD RS15175 WP 004923730.1   GDLPYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH..........   709
NTDB id 1039 HON27 RS01460 WP 031993779.1   GDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........   721
NTDB id 1052 ABD1 RS15850 WP 001017033.1    GDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........   721
NTDB id 156316 AK973 RS02880 WP 060613200.1 GDVPYLGRLFRRDVVSDSKSELLVFLTPRIMNNQAIAVSR.........   695
NTDB id 1193 PAKAF RS26665 WP 003161249.1   GELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR.........   714
consensus                                   !**!**!*!!*** *** **!!!*!*!!!!*** *
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X non conserved

X similar

X ≥ 50% conserved