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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   MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGGGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K   77
NTDB id 1039 HON27 RS01460 WP 031993779.1   MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGGGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLK..Q   77
NTDB id 1052 ABD1 RS15850 WP 001017033.1   MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGGGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLK..Q   77
NTDB id 87684 PszF2a RS02960 WP 126526950.1 MNTTLSRLGVSLLAVFIS.PALLAANLNALDVAALPGDRVELKLAFDEPVA.SPRGYTLDQPARIALDLPGVSNNLG..A   76
NTDB id 1193 PAKAF RS26665 WP 003161249.1   MNSGLSRLGIALLAAMFA.PALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..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   SLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSIATPVA..........TSA.........   138
NTDB id 1039 HON27 RS01460 WP 031993779.1   SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNKPLP..........VVS.........   138
NTDB id 1052 ABD1 RS15850 WP 001017033.1   SKISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNKPLP..........VVS.........   138
NTDB id 87684 PszF2a RS02960 WP 126526950.1 KNRELGVGNARSVTVVEAQGRTRLIVNLTALVPYSTRVDGNNLFVVLGESSGTTSPAAASAA..VTAPIAKPAP...VKP   151
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 1039 HON27 RS01460 WP 031993779.1   .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
NTDB id 1052 ABD1 RS15850 WP 001017033.1   .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
NTDB id 87684 PszF2a RS02960 WP 126526950.1 MAAGKAIDNIDFRRGEDGAGNVVITLSDPSVGSTIEEQGGKIRVVFAKAELPEALRVRLDVQDFATPVKFVDSTAQAGGA   231
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 87684 PszF2a RS02960 WP 126526950.1 SIAIEPTGRYDYLAYQTDNKLTISVKPLTEEEADKRKTDRFAYSGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVSG   311
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 1193 PAKAF RS26665 WP 003161249.1   NITLRLQNVPWDQALDLVLKTKGLDKRQVGNVLLVAPADEIAARERQELESQRQIAELAPLRREVVQVNYAKAADIARLF   391
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 1039 HON27 RS01460 WP 031993779.1   TQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQV   456
NTDB id 1052 ABD1 RS15850 WP 001017033.1   TQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQV   456
NTDB id 1193 PAKAF RS26665 WP 003161249.1   QSVTNNGGVA..........................EERGSIAVDDRTNNIIAYQTQERLDELRRIVAQLDIPVRQV   442
consensus                                     **                                **** !!*!**!*!!!******* *****!*** *!!**!*!!

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   LIEARIVEVTKDFSQDIGIRWGVSRPTH..LSGTLEGANELA...........RG.TAPANVVPLE.....RRLNLDLAA   495
NTDB id 1257 GC085 RS04855 WP 163621000.1   LIEARIVEVTKDFSQDIGIRWGVSRPTH..LSGTLEGANELA...........RG.TAPANVVPLE.....RRLNLDLAA   495
NTDB id 1009 ACIAD RS15175 WP 004923730.1   MIEARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGGSETTLWNLRNPD...SN.....GTYTIE...RPDNLNVDLG.   516
NTDB id 1039 HON27 RS01460 WP 031993779.1   MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPK...KDETTGGYKYTIE...RPDNLNVDLG.   529
NTDB id 1052 ABD1 RS15850 WP 001017033.1   MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPK...KDETTGGYKYTIE...RPDNLNVDLG.   529
NTDB id 1193 PAKAF RS26665 WP 003161249.1   MIEARIVEANVDYDKSLGVRWGGNLGAGNKWSAWGKNG...NL.DIEDGEDGGQ.....QITW......PMNTPFVDMG.   506
consensus                                   **!!!!!***  *****!**!!*   *  * ** * ** *  *  ***     *  *  *  * **   *   ***!**

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   APLTGATPASVGIALAKL.NDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAF   571
NTDB id 1257 GC085 RS04855 WP 163621000.1   VPLTGATPASVGIALAKL.NDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAF   571
NTDB id 1009 ACIAD RS15175 WP 004923730.1   ....VTTTGASSIAFGLISLSDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTSF   592
NTDB id 1039 HON27 RS01460 WP 031993779.1   ....VSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSF   604
NTDB id 1052 ABD1 RS15850 WP 001017033.1   ....VSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSF   604
NTDB id 1193 PAKAF RS26665 WP 003161249.1   ....AVGS.TSGIGLGFV.TDNAILDLQLSAMEKTGNGEVVSQPKVVTADKETAKILKGSEVPYQEASSSGA...TSTSF   577
NTDB id 1193 PAKAF RS26665 WP 003161249.1   ....AKDA.TSGIGIGFI.TDNIILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA...TSTSF   595
consensus                                       *  *  * *!*** *   ** *!!!*!!!** *! *!**!*!***********!** *! **!!!****!*!    ****!
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logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   KKAVLSLKVTPQITPDGKILMDLQINQDTP..SPQTFLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFF   649
NTDB id 1257 GC085 RS04855 WP 163621000.1   KKAVLSLKVTPQITPDGKILMDLQINQDTP..SPQTFLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFF   649
NTDB id 1009 ACIAD RS15175 WP 004923730.1   KEALLSLEVTPNITPDGKILMELNIANDSI..NSYAQNGEAILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVPFL   670
NTDB id 1039 HON27 RS01460 WP 031993779.1   KDALLSLNVTPSITPDGKIQMKLDISKDSV..AGAAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFF   682
NTDB id 1052 ABD1 RS15850 WP 001017033.1   KDALLSLNVTPSITPDGKIQMKLDISKDSV..AGAAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFF   682
NTDB id 87684 PszF2a RS02960 WP 126526950.1 KEAALSLEVTPQITPDNRIIMEVKVTKDEPDFSQAATTGVPAIRKNEVNAKVLVTDGETIVIGGVFSNTQSKSVDKVPFL   657
NTDB id 1193 PAKAF RS26665 WP 003161249.1   KEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQN.MLNGVPPINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPFL   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 87684 PszF2a RS02960 WP 126526950.1 GDLPYLGRLFRRDLVQDRKSELLVFITPRIMNNQSIQASRS......Y.   699
NTDB id 1193 PAKAF RS26665 WP 003161249.1   GELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR.........   714
consensus                                   !**!**!*!!*** ******!!!*!*!!!!*** *
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X non conserved

X similar

X ≥ 50% conserved