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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 1052 ABD1 RS15850 WP 001017033.1        MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGGGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLK..Q   77
NTDB id 1039 HON27 RS01460 WP 031993779.1       MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGGGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLK..Q   77
NTDB id 1044457 ACEN8Q RS21335 WP 413703706.1  MNRIFAAFGLSLWIAL.LSPMVQAANLKALDVAALPGDRVELKLSFDEPPP.VPHGYTTESPARIALDLPGVASRLA..S   76
NTDB id 1193 PAKAF RS26665 WP 003161249.1      MNSGLSRLGIALLAAM.FAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T   76
consensus                                       !* **  * ** *** ** ***   **  * ** ********** !  ***  ! ** ***! !**!!*    * *   *

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1      KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENS.............KEVFITNQV  145
NTDB id 1257 GC085 RS04855 WP 163621000.1       KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDLFENS.............KEVFITNQV  145
NTDB id 1009 ACIAD RS15175 WP 004923730.1       SLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTAT............PVATSAP......  139
NTDB id 1052 ABD1 RS15850 WP 001017033.1        SKISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNK............PLPVVS.......  138
NTDB id 1039 HON27 RS01460 WP 031993779.1       SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK............PLPVVS.......  138
NTDB id 1044457 ACEN8Q RS21335 WP 413703706.1  KTRDLGSGNARSATVVEAGDRTRLIINLAQPAPYDSRIEGNNLLVVVGQGVKPSASRS..........AATAMPVPARAA  146
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       .APQQGIGNIGFQRGAQGEGLVVIDLQGINTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSNG  218
NTDB id 1052 ABD1 RS15850 WP 001017033.1        .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG  217
NTDB id 1039 HON27 RS01460 WP 031993779.1       .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG  217
NTDB id 1044457 ACEN8Q RS21335 WP 413703706.1  VTTGKSIRGVDFQRGTQGEGNVVIDLSDPAMAPDIQEREGKIIVGFAKTRLPEPLRVRLDVKDFATPVQFVNASASGDRA  226
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       VISIQSTGSYEYMAYQAENKLTISLKRPQDN.VRLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQG  297
NTDB id 1052 ABD1 RS15850 WP 001017033.1        VITIQSSGSYEYMAYQAENKLTISLKRPQDK.NVTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG  296
NTDB id 1039 HON27 RS01460 WP 031993779.1       VITIQSSGSYEYMAYQAENKLTISLKRPQDK.NVTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG  296
NTDB id 1044457 ACEN8Q RS21335 WP 413703706.1  IISIEPGGAFDYSTYQADSKLTISVRPATVDNLQKRNAGQHAYSGEKLSLNFQDIDVRSVLQLIADFTNLNLVASDTVQG  306
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 GCO85 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 1044457 ACEN8Q RS21335 WP 413703706.1  GITLRLQNVPWDQALDLVLKTKGLDKRKVGNVLLVAPADEIAARERQELESQKQIADLAPLRRELLQVNYAKAADIAKLF   386
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 GCO85 RS04855 WP 163621000.1      KDKQ...............................NSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQV   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 1044457 ACEN8Q RS21335 WP 413703706.1  QSVTSAE...........................AKSDERGSITVDERTNNIIAYQTQDRLDELRRIVTQLDIPVRQV   437
NTDB id 1193 PAKAF RS26665 WP 003161249.1      QSVTSDGGQ..........................EGKEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQV   450
consensus                                         *                               **** !!*!**!*!!!******* *****!*** *!!**!*!!

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1      LIEARIVEVTKDFSQDIGIRWGVSRPTHL..SGTLEGANELA...........RGT.APANVVP.....LERRLNLDLAA   495
NTDB id 1257 GCO85 RS04855 WP 163621000.1      LIEARIVEVTKDFSQDIGIRWGVSRPTHL..SGTLEGANELA...........RGT.APANVVP.....LERRLNLDLAA   495
NTDB id 1009 ACIAD RS15175 WP 004923730.1      MIEARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGGSETTLWNLRNPDS.N.....GTYTIER.....PDNLNVDLG.   516
NTDB id 1052 ABD1 RS15850 WP 001017033.1       MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPKK.DETTGGYKYTIER.....PDNLNVDLG.   529
NTDB id 1039 HON27 RS01460 WP 031993779.1      MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPKK.DETTGGYKYTIER.....PDNLNVDLG.   529
NTDB id 1044457 ACEN8Q RS21335 WP 413703706.1  MIEARIVEANVDYDKSLGVRWGGSIQNKGNWNTSGVSN.................GVNGSSTIGTPGSTSTNSPFVDMG.   499
NTDB id 1193 PAKAF RS26665 WP 003161249.1      MIEARIVEANVGYDKSLGVRWGGAY.HKGNWSGYGKDG...NI.GIKDEDGMNCGPIAGSCTFPTTGTSKSPSPFVDLG.   524
consensus                                      **!!!!!***  *****!**!!*  *   * *  **** *  *  **        * *   **          ***!**

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1      APLTGATPASVGIALAKL.NDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAF   571
NTDB id 1257 GCO85 RS04855 WP 163621000.1      VPLTGATPASVGIALAKL.NDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAF   571
NTDB id 1009 ACIAD RS15175 WP 004923730.1      ....VTTTGASSIAFGLISLSDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTSF   592
NTDB id 1052 ABD1 RS15850 WP 001017033.1       ....VSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSF   604
NTDB id 1039 HON27 RS01460 WP 031993779.1      ....VSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSF   604
NTDB id 1044457 ACEN8Q RS21335 WP 413703706.1  ....AANN.TSGIGIAFI.TDNVLLDLELTAMEKTGNGEIVSQPKVVTSDKETAKILKGTEIPYQEASSSGA...TSVSF   570
NTDB id 1193 PAKAF RS26665 WP 003161249.1      ....AKDA.TSGIGIGFI.TDNIILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA...TSTSF   595
consensus                                          *  * * *!*** *  ****!!!*!*!** *! *!**!*!*********!** *! **!!!****!*!   ****!
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logo
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NTDB id 1284 ACE17W RS12370 WP 010946666.1      KKAVLSLKVTPQITPDGKILMDLQINQDTPSPQ.TFLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFFG   650
NTDB id 1257 GC085 RS04855 WP 163621000.1       KKAVLSLKVTPQITPDGKILMDLQINQDTPSPQ.TFLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFFG   650
NTDB id 1009 ACIAD RS15175 WP 004923730.1       KEALLSLEVTPNITPDGKILMELNIANDSINSY.AQNGEAILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVPFLG   671
NTDB id 1052 ABD1 RS15850 WP 001017033.1        KDALLSLNVTPSITPDGKIQMKLDISKDSVAGA.APNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFFG   683
NTDB id 1039 H0N27 RS01460 WP 031993779.1       KDALLSLNVTPSITPDGKIQMKLDISKDSVAGA.APNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFFG   683
NTDB id 1044457 ACEN8Q RS21335 WP 413703706.1  KEASLSLEVTPQITPDNRIIMEVKVTKDEPDFLNKVQDVPPIKKNEVNAKVLVNDGETIVIGGVFSNTQSKVVDKVPFLG   650
NTDB id 1193 PAKAF RS26665 WP 003161249.1      KEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNMLNGVPPINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPFLG   675
consensus                                       !*!*!!! !!!*!!!!**!**** ***!**      **** **********!!**!*!***!!** **  * * **!!*!
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logo
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NTDB id 1284 ACE17W RS12370 WP 010946666.1      ELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1257 GC085 RS04855 WP 163621000.1       ELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1009 ACIAD RS15175 WP 004923730.1       DLPYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH..........   709
NTDB id 1052 ABD1 RS15850 WP 001017033.1        DIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........   721
NTDB id 1039 H0N27 RS01460 WP 031993779.1       DIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........   721
NTDB id 1044457 ACEN8Q RS21335 WP 413703706.1  DVPYLGRLFRRDVVSEKKSELLVFLTPRIMNNQAIAVSH.........   689
NTDB id 1193 PAKAF RS26665 WP 003161249.1      ELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR.........   714
consensus                                       **!**!*!!*** *****!!!*!*!!!!*** *
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X non conserved

X similar

X $\geq$ 50% conserved