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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 262449 C0J56 RS02500 WP 134922516.1 MNRFFSALGISLWI.ALLSPMVHGASLKTLDVAALPGDRVELKLTFDGPPP.TPRGYTTEQPARIALDLPGVTNQLAS..   76
NTDB id 1193 PAKAF RS26665 WP 003161249.1   MNSGLSRLGIALLA.AMFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLGT..   76
consensus                                   !* **  * ** ** *** ***   **  * ** ********** ! ****  ! ** ***! !**!!*    * * *

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENSK..............EVFITNQ   144
NTDB id 1257 GC085 RS04855 WP 163621000.1   KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDLFENSK..............EVFITNQ   144
NTDB id 1009 ACIAD RS15175 WP 004923730.1   SLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTAT............PVATS........   137
NTDB id 1039 HON27 RS01460 WP 031993779.1   SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK............PLPVV........   137
NTDB id 1052 ABD1 RS15850 WP 001017033.1   SKISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNK............PLPVV........   137
NTDB id 262449 C0J56 RS02500 WP 134922516.1 RNHDLGGGNARSATVVEAGDRTRLIIGLTQLAPYDTRVEGNSLFVVVGKGAAPKSTAPK...NTAQAPRPAVASAVPARA   153
NTDB id 1193 PAKAF RS26665 WP 003161249.1   KNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAPA.SYAQPIKPKP   155
consensus                                   *  **  * * !* **   *!*!****!   * ******!* * ****                      *

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   VVNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKK   224
NTDB id 1257 GC085 RS04855 WP 163621000.1   VVNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKK   224
NTDB id 1009 ACIAD RS15175 WP 004923730.1   APAPQQGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSN   217
NTDB id 1039 HON27 RS01460 WP 031993779.1   S.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGV   216
NTDB id 1052 ABD1 RS15850 WP 001017033.1   S.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGV   216
NTDB id 262449 C0J56 RS02500 WP 134922516.1 SAPVGKAIRGVDFQRGTQGEGNVVIDLSDPSIAPDIQEREGKIILNFARTQLPEPLRVRLDVKDFATPVQFVNASAGSDR   233
NTDB id 1193 PAKAF RS26665 WP 003161249.1   YVPAGRAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDR   235
consensus                                      ******!*** ***! !**!**** ***!***** **** ** ***!  ! *!*** !!**!!* * * **  *

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   VRMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQ   304
NTDB id 1257 GC085 RS04855 WP 163621000.1   VRMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQ   304
NTDB id 1009 ACIAD RS15175 WP 004923730.1   GVISIQSTGSYEYMAYQAENKLTISLKRPQD.NVRLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQ   296
NTDB id 1039 HON27 RS01460 WP 031993779.1   GVITIQSSGSYEYMAYQAENKLTISLKRPQD.KNVTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQ   295
NTDB id 1052 ABD1 RS15850 WP 001017033.1   GVITIQSSGSYEYMAYQAENKLTISLKRPQD.KNVTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQ   295
NTDB id 262449 C0J56 RS02500 WP 134922516.1 ATISIEPSGTFDYSTYQTDNKLTVSVRPMTVDDLQKRNADRAAYSGEKLSLNFQDIEVRSVLQLIADFTNLNLVASDTVQ   313
NTDB id 1193 PAKAF RS26665 WP 003161249.1   TSITIEPSGLYDYLVYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQ   315
consensus                                   * **! **!*****  !!  ************ ***      *   **! **!!*!!*!**! !!!!*!!!!**!*!**!*!!
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logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   GDITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVL   384
NTDB id 1257 GC085 RS04855 WP 163621000.1   GDITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVL   384
NTDB id 1009 ACIAD RS15175 WP 004923730.1   GNITLHLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILLKYAKAADIEKL   376
NTDB id 1039 HON27 RS01460 WP 031993779.1   GNITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGL   375
NTDB id 1052 ABD1 RS15850 WP 001017033.1   GNITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGL   375
NTDB id 1262449 C0J56 RS02500 WP 134922516.1   GGITLRLQNVPWDQALDLVLKTKGLDKRKVGNVLLVAPADEIAARERQELESQKQIADLAPLRRELLQVNYAKAADIAKL   393
NTDB id 1193 PAKAF RS26665 WP 003161249.1   GNITLRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKL   395
consensus                                   !*!!!*!***!!!!!!!**!*!**!!!!* !!!***** *** * !******* ** *!*!*********!!!!*!!* !

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   IKDKQ...............................NSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQ   433
NTDB id 1257 GC085 RS04855 WP 163621000.1   IKDKQ...............................NSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQ   433
NTDB id 1009 ACIAD RS15175 WP 004923730.1   ITQGRNSGTSNSN.........TNGSATVEPLGDSVGTLLSPRGTISLDPRTNTLIINDTSQKIDQIRKMIDLLDIPVKQ   447
NTDB id 1039 HON27 RS01460 WP 031993779.1   ITQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQ   455
NTDB id 1052 ABD1 RS15850 WP 001017033.1   ITQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQ   455
NTDB id 1262449 C0J56 RS02500 WP 134922516.1   FQSVTSAE...........................AKADERGTITVDERTNNIIAYQTQDRLDELRRIVAQLDIPVRQ   444
NTDB id 1193 PAKAF RS26665 WP 003161249.1   FQSVTSDGGQ..........................EGKEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQ   449
consensus                                   *   *                                **** !!*!**!*!!!******** *****!*** *!!**!*!

logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1   VLIEARIVEVTKDFSQDIGIRWGVSRPTH..LSGTLEGANELA....RGTAPAN......VVPL.......ERRLNLDLA   494
NTDB id 1257 GC085 RS04855 WP 163621000.1   VLIEARIVEVTKDFSQDIGIRWGVSRPTH..LSGTLEGANELA....RGTAPAN......VVPL.......ERRLNLDLA   494
NTDB id 1009 ACIAD RS15175 WP 004923730.1   VMIEARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGGSETTLWNLRNPD.SN.....GTYTIERP.....DNLNVDLG   516
NTDB id 1039 HON27 RS01460 WP 031993779.1   VMVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPK.KDETTGGYKYTIERP.....DNLNVDLG   529
NTDB id 1052 ABD1 RS15850 WP 001017033.1   VMVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPK.KDETTGGYKYTIERP.....DNLNVDLG   529
NTDB id 1262449 C0J56 RS02500 WP 134922516.1   VMIEARIVEANVDYDKSLGVRWGGSIQNKGNWNSS...GVTT................GDSTTIGTPGSTSTNQPFVDLG   505
NTDB id 1193 PAKAF RS26665 WP 003161249.1   VMIEARIVEANVGYDKSLGVRWGGAY.HKGNWSGY...GKDGN.IGIKDEDGMNCGPIAGSCTFPTTGTSKSPSPFVDLG   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 1262449 C0J56 RS02500 WP 134922516.1   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   FKKAVLSLKVTPQITPDGKILMDLQINQDTPSPQ.TFLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFF   649
NTDB id 1257 GC085 RS04855 WP 163621000.1   FKKAVLSLKVTPQITPDGKILMDLQINQDTPSPQ.TFLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFF   649
NTDB id 1009 ACIAD RS15175 WP 004923730.1   FKEALLSLEVTPNITPDGKILMELNIANDSINSY.AQNGEAILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVPFL   670
NTDB id 1039 HON27 RS01460 WP 031993779.1   FKDALLSLNVTPSITPDGKIQMKLDISKDSVAGA.APNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFF   682
NTDB id 1052 ABD1 RS15850 WP 001017033.1    FKDALLSLNVTPSITPDGKIQMKLDISKDSVAGA.APNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFF   682
NTDB id 262449 C0J56 RS02500 WP 134922516.1 FKEASLSLEVTPQITPDNRIIMEVKVTKDEPDYLNKVQDVPPIKKNEVNAKVLVNDGETIVIGGVFSNTQSKVVDKVPFL   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 262449 C0J56 RS02500 WP 134922516.1 GDVPYLGRLFRRDVVSEKKSELLVFLTPRIMNNQAIAVSR.........   695
NTDB id 1193 PAKAF RS26665 WP 003161249.1   GELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR.........   714
consensus                                   !**!**!*!!*** *****!!!*!*!!!!*** *
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X non conserved

X similar

X ≥ 50% conserved