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NTDB id 1257 GCO85 RS04855 WP 163621000.1    MRKIIAILIL..ISASLSLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ    78
NTDB id 1284 ACE17W RS12370 WP 010946666.1   MRKIIAILIL..ISASLSMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ    78
NTDB id 1186 GTF74 RS01320 WP 000788426.1    ..........................................................................................     0
NTDB id 1175 A1552VC RS12105 WP 000788426.1  ..........................................................................................     0
NTDB id 127824 VV93 RS13810 WP 011151276.1   ..........................................................................................     0
NTDB id 1408 DSB67 RS13980 WP 010643500.1    ..........................................................................................     0
NTDB id 1193 PAKAF RS26665 WP 003161249.1    MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLGTK.    77
NTDB id 1009 ACIAD RS15175 WP 004923730.1    MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLAKS.    78
consensus
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NTDB id 1257 GCO85 RS04855 WP 163621000.1    KTKTIQLGSLHSYNIVAVGDRVRAILELDRSV.SYSGSTAGSVYSLVLNGKSNDLFENSKE.............VFITNQ   144
NTDB id 1284 ACE17W RS12370 WP 010946666.1   KTKTIQLGSLHSYNIVAVGDRVRAILELDRSV.SYSGSTAGSIYSLVLNGKSNDLFENSKE.............VFITNQ   144
NTDB id 1186 GTF74 RS01320 WP 000788426.1    ..........................MKNGLKTYV..AQ.TWLTL.WVGLALCA....SS.............M.VFSA    31
NTDB id 1175 A1552VC RS12105 WP 000788426.1  ..........................MKNGLKTYV..AQ.TWLTL.WVGLALCA....SS.............M.VFSA    31
NTDB id 127824 VV93 RS13810 WP 011151276.1   ......................MICELMMKNKIQLFPGMLS.QFVCL.LS...VCI....FT.............T.FANA    36
NTDB id 1408 DSB67 RS13980 WP 010643500.1    ..........................MKMRHGLTLTPRKLT.GLFSL.WF...SLL....LA.............P.FVAA    32
NTDB id 1193 PAKAF RS26665 WP 003161249.1    .NRELSVGNTRSVTVVEAKDRTRLIINLTTLS.SYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAPASYAQPIKPKP   155
NTDB id 1009 ACIAD RS15175 WP 004923730.1    .LIPVTTNEASSIDVSSDDKRARVVVNLKDAG.AFTTRVEGNVFILKINNIQSTATP.....VAT.SA.............   138
consensus                                                                  * **  * **         **  *
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NTDB id 1257 GCO85 RS04855 WP 163621000.1    VVNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKK   224
NTDB id 1284 ACE17W RS12370 WP 010946666.1   VVNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKK   224
NTDB id 1186 GTF74 RS01320 WP 000788426.1    ESATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPS   111
NTDB id 1175 A1552VC RS12105 WP 000788426.1  ESATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPS   111
NTDB id 127824 VV93 RS13810 WP 011151276.1   QSEAENALKSIDFRTNAAKDAIIIVELATPATVVDLKPVAEGLSIELINTSVKDEQLYLLDVKDFSTVVESIEVFREVSK   116
NTDB id 1408 DSB67 RS13980 WP 010643500.1    EEVQSNSLKSIDFRTNKDKDAVIVVELVSPAAIVDIKRVQEGLSIDLLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTST   112
NTDB id 1193 PAKAF RS26665 WP 003161249.1    YVPAGRAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDR   235
NTDB id 1009 ACIAD RS15175 WP 004923730.1    .PAPQQGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSN   217
consensus                                        * **  !*!*      *******  *   *!*  **  * ** * * * *  *  ****!! **! ***** *
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NTDB id 1257 GCO85 RS04855 WP 163621000.1    VRMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQ   304
NTDB id 1284 ACE17W RS12370 WP 010946666.1   VRMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQ   304
NTDB id 1186 GTF74 RS01320 WP 000788426.1    TQLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPK.PKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVV   190
NTDB id 1175 A1552VC RS12105 WP 000788426.1  TQLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPK.PKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVV   190
NTDB id 127824 VV93 RS13810 WP 011151276.1   TRLVANVSGEFRHDYRLSGRYLEVTISRIKSEQEAR.EQSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVT   195
NTDB id 1408 DSB67 RS13980 WP 010643500.1    TRLVAYIDEDYSHDYRLTGRYLEVKVGKLKANEKAP.DKSILDKEGKLISINFQDIPVRNVLQLIADYNQFNLVVSDSVE   191
NTDB id 1193 PAKAF RS26665 WP 003161249.1    TSITIEPSGLYDYLVYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQ   315
NTDB id 1009 ACIAD RS15175 WP 004923730.1    GVISIQSTGSYEYMAYQAENKLTISLKRPQ.DNVRLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQ   296
consensus                                    * * *   *** *      * * * * ** ***     *      !* *!**!!*! *! !!!!*!!* * !*!**!*!
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logo

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NTDB id 1257 GCO85 RS04855 WP 163621000.1   GDITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVL  384
NTDB id 1284 ACE17W RS12370 WP 010946666.1  GDITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVL  384
NTDB id 1186 GTF74 RS01320 WP 000788426.1   GNLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEIIKINFAKASDIAAM  270
NTDB id 1175 A1552VC RS12105 WP 000788426.1 GNLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEIIKINFAKASDIAAM  270
NTDB id 127824 VV93 RS13810 WP 011151276.1  GNVTLRLDGVPWQQVLDIILQVKGLDKRVEGNVVLIAPQDELDLREKQQLEKERLAEELGSLKSEIIKVNFAKASDIAEM  275
NTDB id 1408 DSB67 RS13980 WP 010643500.1   GNLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILVAPKDELDLREKQQLEKQKLEKEIGELSSEIIKVNFAKASDIAEM  271
NTDB id 1193 PAKAF RS26665 WP 003161249.1   GNITLRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKL  395
NTDB id 1009 ACIAD RS15175 WP 004923730.1   GNITLHLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILLKYAKAADIEKL  376
consensus                                   !**!!*!  *!! ! !!***!  **!!!!  !!!**********  *!**  **  *  ****  *****!  ***!!!  !!* *
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logo

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NTDB id 1257 GCO85 RS04855 WP 163621000.1   IKDKQ.....................NSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQVLIEARIVE  442
NTDB id 1284 ACE17W RS12370 WP 010946666.1  IKDKQ.....................NSLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQVLIEARIVE  442
NTDB id 1186 GTF74 RS01320 WP 000788426.1   IGGEGN....................VNMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQVQIEARIVT  329
NTDB id 1175 A1552VC RS12105 WP 000788426.1 IGGEGN....................VNMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQVQIEARIVT  329
NTDB id 127824 VV93 RS13810 WP 011151276.1  INGKES....................VSMLSERGSVAIDERTNSLLLRELPENIEVIREIINSLDIPVKQVQIEARIVT  334
NTDB id 1408 DSB67 RS13980 WP 010643500.1   INGEGN....................ISMLSDRGSMTIDERTNSLLIRELPENIEVIREIIESLDIPVKQVQIEARIVT  330
NTDB id 1193 PAKAF RS26665 WP 003161249.1   FQSVTSDGGQEGK..................EGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQVMIEARIVE  458
NTDB id 1009 ACIAD RS15175 WP 004923730.1   ITQGRNSGTSNSNTNGSATVEPLGDSVGTLLSPRGTISLDPRTNTLIINDTSQKIDQIRKMIDLLDIPVKQVMIEARIVR  456
consensus                                   *                          *****!!****!*!!!****  *  *  **  *!***  !!!!!*!!  !!!!!!
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logo

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NTDB id 1257 GCO85 RS04855 WP 163621000.1   VTKDFSQDIGIRWGVSRPTH...LSGTLEG..........ANELA.......RGTAPANVVPLERRLNLDLAAVPLTGAT  502
NTDB id 1284 ACE17W RS12370 WP 010946666.1  VTKDFSQDIGIRWGVSRPTH...LSGTLEG..........ANELA.......RGTAPANVVPLERRLNLDLAAAPLTGAT  502
NTDB id 1186 GTF74 RS01320 WP 000788426.1   VKEGNLEELGVRWGVMSTNGSHSVGGSIESNLWQKGLLAD.....................DEFPVDEFLNVNLAS...TSAN  388
NTDB id 1175 A1552VC RS12105 WP 000788426.1 VKEGNLEELGVRWGVMSTNGSHSVGGSIESNLWQKGLLAD.....................DEFPVDEFLNVNLAS...TSAN  388
NTDB id 127824 VV93 RS13810 WP 011151276.1  VNEGNLDELGVRWGFTSINGSTTVGGSIENNLATIGLYNAGSGSGSGDSGSGGSGGEGGSASIDDFLNVNLAA...TSAN  411
NTDB id 1408 DSB67 RS13980 WP 010643500.1   INEGNMDELGVRWGFTSINGSHTVGGSIENNLATIGLYDGGGEGD..........DGGSSVGIDDFLNVNLAA...TSPN  397
NTDB id 1193 PAKAF RS26665 WP 003161249.1   ANVGYDKSLGVRWGGAYHKGNWSGYGK.DGNIGIKDED..GMNCG...PIAGSCTFPTTGTSKSPSPFVDLGA...KD.A  528
NTDB id 1009 ACIAD RS15175 WP 004923730.1   ATTSFSKEMGVKWGILSQGINQN......SNLLVGGSETTLWNLRN.PDSNGTYTI.....ERPDNLNVDLGV...TTTG  521
consensus                                   *  *   **!**!!* *  *  ** **** **   *    *                  *** *** !**   ***
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logo

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NTDB id 1257 GCO85 RS04855 WP 163621000.1   PASVGIALAKLNDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAFKKAVLSLK  579
NTDB id 1284 ACE17W RS12370 WP 010946666.1  PASVGIALAKLNDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAFKKAVLSLK  579
NTDB id 1186 GTF74 RS01320 WP 000788426.1   ASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSSGA...STVAFKKAVLSLK  465
NTDB id 1175 A1552VC RS12105 WP 000788426.1 ASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSSGA...STVAFKKAVLSLK  465
NTDB id 127824 VV93 RS13810 WP 011151276.1  ASSIAFQVAKLGSDLLLDLELSALQRESKAEIISSPRLITTNKPAYIEQGTEIPYLESSSSGA...TTVSFKKAVLSLK  488
NTDB id 1408 DSB67 RS13980 WP 010643500.1   ATSIAFQVAKLGSDTLLDLELSALQQESKAEIISSPRLITTNKKPAYIEQGTEIPYLESSSSGA...TSVTFKKAVLSLK  474
NTDB id 1193 PAKAF RS26665 WP 003161249.1   TSGIGIGFI.T.DNILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA...TSTSFKEAALSLE  603
NTDB id 1009 ACIAD RS15175 WP 004923730.1   ASSIAFGLISL.SDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTSFKEALLSLE  600
consensus                                   ******  ****  *  *!!!*!!!** * **!**!*!********* !  ** !*!*!! ****!*!   *** !!*!*!!!*
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logo

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NTDB id 1257 GCO85 RS04855 WP 163621000.1    VTPQITPDGKILMDLQINQDTPSPQTF.LGVP...AIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFFGELPVV   655
NTDB id 1284 ACE17W RS12370 WP 010946666.1   VTPQITPDGKILMDLQINQDTPSPQTF.LGVP...AIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFFGELPVV   655
NTDB id 1186 GTF74 RS01320 WP 000788426.1    VTPQITPDNRLVLDLSVTQDRRGETVK.TGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPLLGDLPVL   544
NTDB id 1175 A1552VC RS12105 WP 000788426.1  VTPQITPDNRLVLDLSVTQDRRGETVK.TGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPLLGDLPVL   544
NTDB id 127824 VV93 RS13810 WP 011151276.1   VTPQITPDNRLVLDLSVTQDRPGEIVK.TGTGEAVAIDTQRIGTQVLVNNGETVVLGGIFQHSITNTTDKVPLLGDLPLL   567
NTDB id 1408 DSB67 RS13980 WP 010643500.1    VTPQITPDNRLVLDLSVTQDRPGQVVK.TGTGEAVAIDTQRIGTQVLVNNGETVVLGGIFQHSITNSVDKVPLLGDLPLL   553
NTDB id 1193 PAKAF RS26665 WP 003161249.1    VTPQITPDNRIIVEVKVTKDAPDYQNMLNGVP...PINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPFLGELPYL   680
NTDB id 1009 ACIAD RS15175 WP 004923730.1    VTPNITPDGKILMELNIANDSINS.YAQNGEA...ILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVPFLGDLPYV   676
consensus                                    !!!*!!!!*******  ***!  *       !  *     *  **  *  ***!!!*!*!*!*!!**   *  ********!  *!*!!**
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logo

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NTDB id 1257 GCO85 RS04855 WP 163621000.1    GILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1284 ACE17W RS12370 WP 010946666.1   GILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1186 GTF74 RS01320 WP 000788426.1    GALFRRTYEQMGKSELLIFVTPKVVIQ.................   571
NTDB id 1175 A1552VC RS12105 WP 000788426.1  GALFRRTYEQMGKSELLIFVTPKVVIQ.................   571
NTDB id 127824 VV93 RS13810 WP 011151276.1   GALFRRSYENVGKRELLIFVTPKVILQ.................   594
NTDB id 1408 DSB67 RS13980 WP 010643500.1    GALFRRSYENVGKSELLIFVTPKVVIQ.................   580
NTDB id 1193 PAKAF RS26665 WP 003161249.1    GRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR..........   714
NTDB id 1009 ACIAD RS15175 WP 004923730.1    GRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH...........   709
consensus                                    ! !!***    *** !!!*!*!!*** *
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X non conserved

X similar

X ≥ 50% conserved