logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1     MRKIIAILIL..ISASLSMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ    78
NTDB id 1257 GCO85 RS04855 WP 163621000.1     MRKIIAILIL..ISASLSLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ    78
NTDB id 1186 GTF74 RS01320 WP 000788426.1     ........................................................................................     0
NTDB id 1175 A1552VC RS12105 WP 000788426.1   ........................................................................................     0
NTDB id 1112494 KHO06 RS15095 WP 045369316.1  ........................................................................................     0
NTDB id 1408 DSB67 RS13980 WP 010643500.1     ........................................................................................     0
NTDB id 1193 PAKAF RS26665 WP 003161249.1     MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T    76
NTDB id 1009 ACIAD RS15175 WP 004923730.1     MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K    77
NTDB id 1052 ABD1 RS15850 WP 001017033.1      MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLK..Q    77
NTDB id 1039 HON27 RS01460 WP 031993779.1     MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLK..Q    77
consensus                                     *  *     *  *   *    *    *  *  * *  *   *   *        *  *    * ******       *
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1     KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENSKE.............VFITNQV   145
NTDB id 1257 GCO85 RS04855 WP 163621000.1     KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDLFENSKE.............VFITNQV   145
NTDB id 1186 GTF74 RS01320 WP 000788426.1     ........................MKNGLKTY..VAQTWLTLWVG....LALCASS.............MVFS.AE    32
NTDB id 1175 A1552VC RS12105 WP 000788426.1   ........................MKNGLKTY..VAQTWLTLWVG....LALCASS.............MVFS.AE    32
NTDB id 1112494 KHO06 RS15095 WP 045369316.1  ......................MKMRHGLTLTPRKLTGLFSLWFF....LLLA.................PFVA.AE    33
NTDB id 1408 DSB67 RS13980 WP 010643500.1     ......................MKMRHGLTLTPRKLTGLFSLWFS....LLLA.................PFVA.AE    33
NTDB id 1193 PAKAF RS26665 WP 003161249.1     KNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPY   156
NTDB id 1009 ACIAD RS15175 WP 004923730.1     SLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTAT..........PVAT..SA.......   138
NTDB id 1052 ABD1 RS15850 WP 001017033.1      SKISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNK..........PLPV..VS.......   138
NTDB id 1039 HON27 RS01460 WP 031993779.1     SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK..........PLPV..VS.......   138
consensus                                        *       *   *      * *  * ** ***** ** *  **** **          *
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1     VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV   225
NTDB id 1257 GCO85 RS04855 WP 163621000.1     VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV   225
NTDB id 1186 GTF74 RS01320 WP 000788426.1     SATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST   112
NTDB id 1175 A1552VC RS12105 WP 000788426.1   SATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST   112
NTDB id 1112494 KHO06 RS15095 WP 045369316.1  EVQSNSLKSIDFRTNKDKDAVIVVELASPAAIVDIKRVQEGLSIDLLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSTT   113
NTDB id 1408 DSB67 RS13980 WP 010643500.1     EVQSNSLKSIDFRTNKDKDAVIVVELVSPAAIVDIKRVQEGLSIDLLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSTT   113
NTDB id 1193 PAKAF RS26665 WP 003161249.1     VPAGRAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRT   236
NTDB id 1009 ACIAD RS15175 WP 004923730.1     PAPQQGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSNG   218
NTDB id 1052 ABD1 RS15850 WP 001017033.1      .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
NTDB id 1039 HON27 RS01460 WP 031993779.1     .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
consensus                                      *  * ***!*!*     ********  *  **!*****  **** * ***** ********!! **! *******   *
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1   RMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG  305
NTDB id 1257 GCO85 RS04855 WP 163621000.1   RMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG  305
NTDB id 1186 GTF74 RS01320 WP 000788426.1   QLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPKP.KSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVG  191
NTDB id 1175 A1552VC RS12105 WP 000788426.1 QLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPKP.KSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVG  191
NTDB id 1112494 KHO06 RS15095 WP 045369316.1 RLVAYIDEDYSHDYRLTGRYLEVKVGKLKANEKAPD.KSILEKEGKLISINFQDIPVRNVLQLIADYNQFNLVVSDSVEG  192
NTDB id 1408 DSB67 RS13980 WP 010643500.1   RLVAYIDEDYSHDYRLTGRYLEVKVGKLKANEKAPD.KSILDKEGKLISINFQDIPVRNVLQLIADYNQFNLVVSDSVEG  192
NTDB id 1193 PAKAF RS26665 WP 003161249.1   SITIEPSGLYDYLVYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG  316
NTDB id 1009 ACIAD RS15175 WP 004923730.1   VISIQSTGSYEYMAYQAENKLTISLKRPQDNV.RLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQG  297
NTDB id 1052 ABD1 RS15850 WP 001017033.1    VITIQSSGSYEYMAYQAENKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG  296
NTDB id 1039 HON27 RS01460 WP 031993779.1   VITIQSSGSYEYMAYQAENKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG  296
consensus                                    *** * *** *  **  * * * * ** ***     *    **!***!**!!*! *! !!!!*!!****!*!**!*!*!
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1   DITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLI  385
NTDB id 1257 GCO85 RS04855 WP 163621000.1   DITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLI  385
NTDB id 1186 GTF74 RS01320 WP 000788426.1   NLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEIIKINFAKASDIAAMI  271
NTDB id 1175 A1552VC RS12105 WP 000788426.1 NLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEIIKINFAKASDIAAMI  271
NTDB id 1112494 KHO06 RS15095 WP 045369316.1 NLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILVAPKDELDLREKQQLEKQKLEKEIGELSSEIIKVNFAKASDIAEMI  272
NTDB id 1408 DSB67 RS13980 WP 010643500.1   NLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILVAPKDELDLREKQQLEKQKLEKEIGELSSEIIKVNFAKASDIAEMI  272
NTDB id 1193 PAKAF RS26665 WP 003161249.1   NITLRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKLF  396
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
consensus                                    **!!*! **!!*!*!!**! ***!!!!* !!!**************!** *  **    *********!****!!!*!!* **
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1   KDKQ.N.............................SLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQV  434
NTDB id 1257 GCO85 RS04855 WP 163621000.1   KDKQ.N.............................SLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQV  434
NTDB id 1186 GTF74 RS01320 WP 000788426.1   GGEGNV.............................NMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQV  321
NTDB id 1175 A1552VC RS12105 WP 000788426.1 GGEGNV.............................NMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQV  321
NTDB id 1112494 KHO06 RS15095 WP 045369316.1 NGEGNI............................SMLSDRGSMTIDERTNSLLIRELPENIEVIREIIESLDIPVKQV  322
NTDB id 1408 DSB67 RS13980 WP 010643500.1   NGEGNI............................SMLSDRGSMTIDERTNSLLIRELPENIEVIREIIESLDIPVKQV  322
NTDB id 1193 PAKAF RS26665 WP 003161249.1   QSVTSDGGQEG.......................KEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQV  450
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
consensus                                       *                              *****!!****!*!!!********* * **  *!**** !!**!*!!
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1   LIEARIVEVTKDFSQDIGIRWGVSRPTHL......SGTLEG.........ANELARGTAPANVVPL.....ERRLNLDLA  494
NTDB id 1257 GCO85 RS04855 WP 163621000.1    LIEARIVEVTKDFSQDIGIRWGVSRPTHL......SGTLEG.........ANELARGTAPANVVPL.....ERRLNLDLA  494
NTDB id 1186 GTF74 RS01320 WP 000788426.1    QIEARIVTVKEGNLEELGVRWGVMSTNGSHS...VGGSIESNLWQKGLLAD..........DEFPV.....DEFLNVNLA  383
NTDB id 1175 A1552VC RS12105 WP 000788426.1  QIEARIVTVKEGNLEELGVRWGVMSTNGSHS...VGGSIESNLWQKGLLAD..........DEFPV.....DEFLNVNLA  383
NTDB id 1112494 KHO06 RS15095 WP 045369316.1 QIEARIVTINEGNMDELGVRWGFTSINGSHT...VGGSIENNLATIGLYDGGGDGEGDDGGSSVGI.....DDFLNVNLA  394
NTDB id 1408 DSB67 RS13980 WP 010643500.1    QIEARIVTINEGNMDELGVRWGFTSINGSHT...VGGSIENNLATIGLYDGGG..EGDDGGSSVGI.....DDFLNVNLA  392
NTDB id 1193 PAKAF RS26665 WP 003161249.1    MIEARIVEANVGYDKSLGVRWGGAYHKGNWSG....YGKDGN.IGIKDEDGMNC.GPIAGSCTFPTTGTSKSPSPFVDLG  524
NTDB id 1009 ACIAD RS15175 WP 004923730.1    MIEARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGGSETTLWNLRNPD...S.N.....GTYTI...ERPDNLNVDLG  516
NTDB id 1052 ABD1 RS15850 WP 001017033.1     MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPK...K.DETTGGYKYTI...ERPDNLNVDLG  529
NTDB id 1039 HON27 RS01460 WP 031993779.1    MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPK...K.DETTGGYKYTI...ERPDNLNVDLG  529
consensus                                    **!!!!!! ** *** **!**!!***  ** *  * **********     *         **  ***      ** ****!*
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1   AAPLTGATPASVGIALAKLNDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAF  571
NTDB id 1257 GCO85 RS04855 WP 163621000.1    AVPLTGATPASVGIALAKLNDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAF  571
NTDB id 1186 GTF74 RS01320 WP 000788426.1    ST...SANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSSGA...STVAF  457
NTDB id 1175 A1552VC RS12105 WP 000788426.1  ST...SANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSSGA...STVAF  457
NTDB id 1112494 KHO06 RS15095 WP 045369316.1 AT...SPNATSIAFQVAKLGSDTLLDLELSALQQESKAEIISSPRLITTNKKPAYIEQGTEIPYLESSSSGA...TSVTF  468
NTDB id 1408 DSB67 RS13980 WP 010643500.1    AT...SPNATSIAFQVAKLGSDTLLDLELSALQQESKAEIISSPRLITTNKKPAYIEQGTEIPYLESSSSGA...TSVTF  466
NTDB id 1193 PAKAF RS26665 WP 003161249.1    AK...DA.TSGIGIGFI.T.DNILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA...TSTSF  595
NTDB id 1009 ACIAD RS15175 WP 004923730.1    VT...TTGASSIAFGLISL.SDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTSF  592
NTDB id 1052 ABD1 RS15850 WP 001017033.1     VS...NP.AGSIAFGLISM.SDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSF  604
NTDB id 1039 HON27 RS01460 WP 031993779.1    VS...NP.AGSIAFGLISM.SDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSF  604
consensus                                    **   ** ********** ** *!!!*!!!** ****!**!*!********* ! ***!***!!*****!*!    ****!
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NTDB id 1284 ACE17W RS12370 WP 010946666.1   KKAVLSLKVTPQITPDGKILMDLQINQDTPSPQT.FLGVP...AIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIP  647
NTDB id 1257 GCO85 RS04855 WP 163621000.1    KKAVLSLKVTPQITPDGKILMDLQINQDTPSPQT.FLGVP...AIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIP  647
NTDB id 1186 GTF74 RS01320 WP 000788426.1    KKAVLSLKVTPQITPDNRLVLDLSVTQDRRGETV.KTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVP  536
NTDB id 1175 A1552VC RS12105 WP 000788426.1  KKAVLSLKVTPQITPDNRLVLDLSVTQDRRGETV.KTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVP  536
NTDB id 1112494 KHO06 RS15095 WP 045369316.1 KKAVLSLKVTPQITPDNRLVLDLSVTQDRPGQVV.KTGTGEAVAIDTQRIGTQVLVNNGETVVLGGIFQHSITNSVDKVP  547
NTDB id 1408 DSB67 RS13980 WP 010643500.1    KKAVLSLKVTPQITPDNRLVLDLSVTQDRPGQVV.KTGTGEAVAIDTQRIGTQVLVNNGETVVLGGIFQHSITNSVDKVP  545
NTDB id 1193 PAKAF RS26665 WP 003161249.1    KEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNMLNGVP...PINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVP  672
NTDB id 1009 ACIAD RS15175 WP 004923730.1    KEALLSLEVTPNITPDGKILMELNIANDSINS.YAQNGEA...ILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVP  668
NTDB id 1052 ABD1 RS15850 WP 001017033.1     KDALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGEL...ILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVP  680
NTDB id 1039 HON27 RS01460 WP 031993779.1    KDALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGEL...ILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVP  680
consensus                                    !*!*!!!*!!!*!!!! ****** ***!***      ! *    * ** *****!!**!*!***!!** ** ********!
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1    FFGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1257 GCO85 RS04855 WP 163621000.1     FFGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1186 GTF74 RS01320 WP 000788426.1     LLGDLPVLGALFRRTYEQMCKSELLIFVTPKVVIQ.................   571
NTDB id 1175 A1552VC RS12105 WP 000788426.1   LLGDLPVLGALFRRTYEQMCKSELLIFVTPKVVIQ.................   571
NTDB id 1112494 KHO06 RS15095 WP 045369316.1  LLGDLPLLGALFRRSYENVGKSELLIFVTPKVVIQ.................   582
NTDB id 1408 DSB67 RS13980 WP 010643500.1     LLGDLPLLGALFRRSYENVGKSELLIFVTPKVVIQ.................   580
NTDB id 1193 PAKAF RS26665 WP 003161249.1     FLGELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR..........   714
NTDB id 1009 ACIAD RS15175 WP 004923730.1     FLGDLPYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH..........   709
NTDB id 1052 ABD1 RS15850 WP 001017033.1      FFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........   721
NTDB id 1039 HON27 RS01460 WP 031993779.1     FFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........   721
consensus                                     **!**!**!  !!***   ****  !!!*!*!!*** * *
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X non conserved

X similar

X ≥ 50% conserved