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 1089365 ACLRDL RS00410 WP 000788426.1  ..........................................................................................     0
NTDB id 1186 GTF74 RS01320 WP 000788426.1      ..........................................................................................     0
NTDB id 1175 A1552VC RS12105 WP 000788426.1    ..........................................................................................     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 1039 HON27 RS01460 WP 031993779.1      MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLK..Q    77
NTDB id 1052 ABD1 RS15850 WP 001017033.1       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 1089365 ACLRDL RS00410 WP 000788426.1  ........................MKNGLKT..YVAQTWLTLWVG.....LALCASS.............MVFSA.E    32
NTDB id 1186 GTF74 RS01320 WP 000788426.1      ........................MKNGLKT..YVAQTWLTLWVG.....LALCASS.............MVFSA.E    32
NTDB id 1175 A1552VC RS12105 WP 000788426.1    ........................MKNGLKT..YVAQTWLTLWVG.....LALCASS.............MVFSA.E    32
NTDB id 1408 DSB67 RS13980 WP 010643500.1      ......................MKMRHGLTLTPRKLTGLFSLWFS.....LLLAP.................FVAA.E    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 1039 HON27 RS01460 WP 031993779.1      SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK..........PLPV..VS.......   138
NTDB id 1052 ABD1 RS15850 WP 001017033.1       SKISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNK..........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 1089365 ACLRDL RS00410 WP 000788426.1  SATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST   112
NTDB id 1186 GTF74 RS01320 WP 000788426.1      SATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST   112
NTDB id 1175 A1552VC RS12105 WP 000788426.1    SATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST   112
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 1039 HON27 RS01460 WP 031993779.1      .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG   217
NTDB id 1052 ABD1 RS15850 WP 001017033.1       .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 1089365 ACLRDL RS00410 WP 000788426.1 QLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPKP.KSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVG  191
NTDB id 1186 GTF74 RS01320 WP 000788426.1   QLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPKP.KSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVG  191
NTDB id 1175 A1552VC RS12105 WP 000788426.1 QLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPKP.KSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVG  191
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 1039 HON27 RS01460 WP 031993779.1   VITIQSSGSYEYMAYQAENKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG  296
NTDB id 1052 ABD1 RS15850 WP 001017033.1    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 1089365 ACLRDL RS00410 WP 000788426.1 NLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEIIKINFAKASDIAAMI  271
NTDB id 1186 GTF74 RS01320 WP 000788426.1   NLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEIIKINFAKASDIAAMI  271
NTDB id 1175 A1552VC RS12105 WP 000788426.1 NLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLREKQALEKARLAEELGDLKSEIIKINFAKASDIAAMI  271
NTDB id 1408 DSB67 RS13980 WP 010643500.1   NLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILVAPKDELDLREKQQLEKQKLEKEIGELSSEIIKVNFAKASDIAEMI  272
NTDB id 1193 PAKAF RS26665 WP 003161249.1   NITLRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRREIQVNYAKAADIAKLF  396
NTDB id 1009 ACIAD RS15175 WP 004923730.1   NITLHLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILLKYAKAADIEKLI  377
NTDB id 1039 HON27 RS01460 WP 031993779.1   NITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMCLI  376
NTDB id 1052 ABD1 RS15850 WP 001017033.1    NITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMCLI  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 1089365 ACLRDL RS00410 WP 000788426.1 GGEGNV.........................NMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQV  321
NTDB id 1186 GTF74 RS01320 WP 000788426.1   GGEGNV.........................NMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQV  321
NTDB id 1175 A1552VC RS12105 WP 000788426.1 GGEGNV.........................NMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQV  321
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 1039 HON27 RS01460 WP 031993779.1   TQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQV  456
NTDB id 1052 ABD1 RS15850 WP 001017033.1    TQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQV  456
consensus                                      *                        *****!!*****!*!!!******** * **  *!**** !!**!*!!
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1   LIEARIVEVTKDFSQDIGIRWGVSRPTHL......SGTLEGA.......NELARG.TAPANVVPL.....ERRLNLDLAA  495
NTDB id 1257 GCO85 RS04855 WP 163621000.1    LIEARIVEVTKDFSQDIGIRWGVSRPTHL......SGTLEGA.......NELARG.TAPANVVPL.....ERRLNLDLAA  495
NTDB id 1089365 ACLRDL RS00410 WP 000788426.1 QIEARIVTVKEGNLEELGVRWGVMSTNGSHS...VGGSIESNLWQKGLLAD.........DEFPV.....DEFLNVNLAS  384
NTDB id 1186 GTF74 RS01320 WP 000788426.1    QIEARIVTVKEGNLEELGVRWGVMSTNGSHS...VGGSIESNLWQKGLLAD.........DEFPV.....DEFLNVNLAS  384
NTDB id 1175 A1552VC RS12105 WP 000788426.1  QIEARIVTVKEGNLEELGVRWGVMSTNGSHS...VGGSIESNLWQKGLLAD.........DEFPV.....DEFLNVNLAS  384
NTDB id 1408 DSB67 RS13980 WP 010643500.1    QIEARIVTINEGNMDELGVRWGFTSINGSHT...VGGSIENNLATIGLYDGGGEG.DDGGSSVGI.....DDFLNVNLAA  393
NTDB id 1193 PAKAF RS26665 WP 003161249.1    MIEARIVEANVGYDKSLGVRWGGAYHKGNWSG....YGKDGN.IGIKDEDGMNCGPIAGSCTFPTTGTSKSPSPFVDLGA  525
NTDB id 1009 ACIAD RS15175 WP 004923730.1    MIEARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGGSETTLWNLRNPD...SN.....GTYTI...ERPDNLNVDLGV  517
NTDB id 1039 HON27 RS01460 WP 031993779.1    MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPK...KDETTGGYKYTI...ERPDNLNVDLGV  530
NTDB id 1052 ABD1 RS15850 WP 001017033.1     MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPK...KDETTGGYKYTI...ERPDNLNVDLGV  530
consensus                                    **!!!!!  **  ***  **!**!!***  **  *   *  **********     *         *  ***      **  ****!*
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1   APLTGATPASVGIALAKLNDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAFK  572
NTDB id 1257 GCO85 RS04855 WP 163621000.1    VPLTGATPASVGIALAKLNDNILLDLELSALESEGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAFK  572
NTDB id 1089365 ACLRDL RS00410 WP 000788426.1 T...SANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSSGA...STVAFK  458
NTDB id 1186 GTF74 RS01320 WP 000788426.1    T...SANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSSGA...STVAFK  458
NTDB id 1175 A1552VC RS12105 WP 000788426.1  T...SANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSSGA...STVAFK  458
NTDB id 1408 DSB67 RS13980 WP 010643500.1    T...SPNATSIAFQVAKLGSDTLLDLELSALQQESKAEIISSPRLITTNKKPAYIEQGTEIPYLESSSSGA...TSVTFK  467
NTDB id 1193 PAKAF RS26665 WP 003161249.1    K...DA.TSGIGIGFI.T.DNITLDLQLSAMEKTGNCEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA...TSTSFK  596
NTDB id 1009 ACIAD RS15175 WP 004923730.1    T...TTGASSIAFGLISL.SDFMLDLELSALQADGYCEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTSFK  593
NTDB id 1039 HON27 RS01460 WP 031993779.1    S...NP.AGSIAFGLISM.SDFMLDLELSALQADGYCEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFK  605
NTDB id 1052 ABD1 RS15850 WP 001017033.1     S...NP.AGSIAFGLISM.SDFMLDLELSALQADGYCEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFK  605
consensus                                    *   **  ***********  *  *!!!*!!!** ****!**!*!********* ! ***!***!!*****!*!    ****!!
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1   KAVLSLKVTPQITPDNRLVMDLQTNQDTPSPQT.FLGVP...AIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPF  648
NTDB id 1257 GCO85 RS04855 WP 163621000.1    KAVLSLKVTPQITPDGKILMDLQTNQDTPSPQT.FLGVP...AIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPF  648
NTDB id 1089365 ACLRDL RS00410 WP 000788426.1 KAVLSLKVTPQITPDNRLVLDLSVTQDRRGETV.KTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPL  537
NTDB id 1186 GTF74 RS01320 WP 000788426.1    KAVLSLKVTPQITPDNRLVLDLSVTQDRRGETV.KTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPL  537
NTDB id 1175 A1552VC RS12105 WP 000788426.1  KAVLSLKVTPQITPDNRLVLDLSVTQDRRGETV.KTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPL  537
NTDB id 1408 DSB67 RS13980 WP 010643500.1    KAVLSLKVTPQITPDNRLVLDLSVTQDRPGQVV.KTGTGEAVAIDTQRIGTQVLVNNGETVVLGGIFQHSITNSVDKVPL  546
NTDB id 1193 PAKAF RS26665 WP 003161249.1    EAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNMLNGVP...PINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPF  673
NTDB id 1009 ACIAD RS15175 WP 004923730.1    EALLSLEVTPNITPDGKILMELNIANDSINS.YAQNGEA...ILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVPF  669
NTDB id 1039 HON27 RS01460 WP 031993779.1    DALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGEL...ILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPF  681
NTDB id 1052 ABD1 RS15850 WP 001017033.1     DALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGEL...ILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPF  681
consensus                                    *!*!!!*!!!*!!!! ****** ***!* *       ! *     * ** *****!!**!*!***!!** ** *******!*
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1      FGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1257 GCO85 RS04855 WP 163621000.1       FGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK   698
NTDB id 1089365 ACLRDL RS00410 WP 000788426.1   LGDLPVLGALFRRTYEQMGKSELLIFVTPKVVIQ.................   571
NTDB id 1186 GTF74 RS01320 WP 000788426.1       LGDLPVLGALFRRTYEQMGKSELLIFVTPKVVIQ.................   571
NTDB id 1175 A1552VC RS12105 WP 000788426.1     LGDLPVLGALFRRTYEQMGKSELLIFVTPKVVIQ.................   571
NTDB id 1408 DSB67 RS13980 WP 010643500.1       LGDLPLLGALFRRSYENVGKSELLIFVTPKVVIQ.................   580
NTDB id 1193 PAKAF RS26665 WP 003161249.1       LGELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR..........   714
NTDB id 1009 ACIAD RS15175 WP 004923730.1       LGDLPYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH...........   709
NTDB id 1039 HON27 RS01460 WP 031993779.1       FGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH...........   721
NTDB id 1052 ABD1 RS15850 WP 001017033.1        FGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH...........   721
consensus                                       *!**!**! !!***  ****  !!!*!*!!*** * *
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X non conserved

X similar

X ≥ 50% conserved