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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1186 GTF74 RS01320 WP 000788426.1    ..MKNGLKT..YVAQTWLTLWVGLALCASSMVFSAESATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSI    76
NTDB id 1175 A1552VC RS12105 WP 000788426.1  ..MKNGLKT..YVAQTWLTLWVGLALCASSMVFSAESATANQLENIDFRVNKEKAAVLIVELASPSAVVDVQKVQEGLSI    76
NTDB id 1408 DSB67 RS13980 WP 010643500.1    MKMRHGLTLTPRKLTGLFSLWFSLLLAP...FVAAEEVQSNSLKSIDFRTNKDKDAVIVVELVSPAAIVDIKRVQEGLSI    77
NTDB id 1347 HI 0435 AAC22094.1              ..........................................................................    0
NTDB id 1373 NTHI RS02645 WP 011272046.1     ..........................................................................    0
NTDB id 244639 CJD39 RS06190 WP 111749493.1  ..........................................................................    0
NTDB id 1381 A4U84 RS02010 WP 021113424.1    ..........................................................................    0
consensus
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1186 GTF74 RS01320 WP 000788426.1    ELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPKPKSVLEKEG   156
NTDB id 1175 A1552VC RS12105 WP 000788426.1  ELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVVTVDGEFQHDYTLKGKYLEVVISKLKADEKPKPKSVLEKEG   156
NTDB id 1408 DSB67 RS13980 WP 010643500.1    DLLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSTTRLVAYIDEDYSHDYRLTGRYLEVKVGKLKANEKAPDKSILDKEG   157
NTDB id 1347 HI 0435 AAC22094.1              ..............................................MKKYFLKCGYFLVCFCLPLIVF...ANP..KTDN    29
NTDB id 1373 NTHI RS02645 WP 011272046.1     ..............................................MKKYFLKCGYFLVCFCLPLIVF...ANP..KTDN    29
NTDB id 244639 CJD39 RS06190 WP 111749493.1  ...............................................MRKIIYFFILFFTVF........P..IMAN    20
NTDB id 1381 A4U84 RS02010 WP 021113424.1    ................................................MRYLFLLFFATF........P..VLAN    17
consensus                                                                                   * ** *!* ***  *          *    **
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1186 GTF74 RS01320 WP 000788426.1    KLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLRE   236
NTDB id 1175 A1552VC RS12105 WP 000788426.1  KLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDLRE   236
NTDB id 1408 DSB67 RS13980 WP 010643500.1    KLISINFQDIPVRNVLQLIADYNQFNLVVSDSVEGNLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILVAPKDELDLRE   237
NTDB id 1347 HI 0435 AAC22094.1              ERFFIRLSQAPLAQTLEQLAFQQDVNLVIGDILENKISLKLNNIDMPRLLQIIAKSKHLTLNKDDGIYYLNGSQSGKG..   107
NTDB id 1373 NTHI RS02645 WP 011272046.1     ECFFIRLSQAPLAQTLEQLAFQQDVNLVMGERLEGNISLKLNNIDMPRLLKIIAKSKHLTLNKDDGVYYLNGSQSGKG..   107
NTDB id 244639 CJD39 RS06190 WP 111749493.1  .QISLLLKNAPTAEVLAYLAEETEKNIIISDEIKETKNLRMEKSDFDRILNAIVKTNQLSLKKENEVYYISHKNAEKLVE    99
NTDB id 1381 A4U84 RS02010 WP 021113424.1    QQISLSIRNAPTAEIISYLAEETGKNITISDEIKDTKNFRVEKSHFDEILNSLIKTHQLNLKKENGIYYIHQAQEHKQ..    95
consensus                                     *** * **!*****  *!* *  !***** * ******** * *  *! ****** ! ****  ****  *** ** *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1186 GTF74 RS01320 WP 000788426.1    KQ..ALEKARLAEELGDLKSEIIKINFAKASDIAAMIGGEGNVNMLSERGSISIDERTNSLLIRELPDNIAVIREIIESL   314
NTDB id 1175 A1552VC RS12105 WP 000788426.1  KQ..ALEKARLAEELGDLKSEIIKINFAKASDIAAMIGGEGNVNMLSERGSISIDERTNSLLIRELPDNIAVIREIIESL   314
NTDB id 1408 DSB67 RS13980 WP 010643500.1    KQ..QLEKQKLEKEIGELSSEIIKVNFAKASDIAEMINGEGNISMLSDRGSMTIDERTNSLLIRELPENIEVIREIIESL   315
NTDB id 1347 HI 0435 AAC22094.1              .....QVAGNLTTNEPHLVSHTVKLHFAKASELMKSLT.TGSGSLLSPAGSITFDDRSNLLVIQDEPRSVQNIKKLIAEM   181
NTDB id 1373 NTHI RS02645 WP 011272046.1     .....QVAGNLTTNEPHLVSHTVKLHFAKASELMKSLT.TGSGSLLSSAGSITFDDRSNLLVIQDEPRFVQNIKKLIAEM   181
NTDB id 244639 CJD39 RS06190 WP 111749493.1  NKISIQSNVDLTPKPPKLITKTFKLHYSKASEVIDTLT.KGQGNLLSENGYIHFDDRSNSIIVKDSPASIKNFTQLLKKI   178
NTDB id 1381 A4U84 RS02010 WP 021113424.1    .....HTTAQLVNALPKLITKTIKLHYSKASEVIESLT.KGQGNLLSESGYLHFDDRSNSIIVKDSAASVKNFTQLIESL   169
consensus                                            *  !    **  !** **!****!!!*** ***   !****!!* !****!*!*!****** *   * *** *****
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logo
NTDB id 1186 GTF74 RS01320 WP 000788426.1      DIPVKQVQIEARIVTVKEGNLEELGVRWGVMSTNGSH.SVGGSIESNLWQKGLLAD........DEFPVDEFLNVNLAST   385
NTDB id 1175 A1552VC RS12105 WP 000788426.1    DIPVKQVQIEARIVTVKEGNLEELGVRWGVMSTNGSH.SVGGSIESNLWQKGLLAD........DEFPVDEFLNVNLAST   385
NTDB id 1408 DSB67 RS13980 WP 010643500.1      DIPVKQVQIEARIVTINEGNMDELGVRWGFTSINGSH.TVGGSIENNLATIGLYDGGGEGDDGGSSVGIDDFLNVNLAAT   394
NTDB id 1347 HI 0435 AAC22094.1                DKPIEQIAIEARIVTITDESLKELGVRWGIFNPTENARRVAGSLTGN..................SFENIADNLNVNFATT   244
NTDB id 1373 NTHI RS02645 WP 011272046.1       DKPIEQIAIEARIVTITDESLKELGVRWGIFNPTENARRVAGSLTGN..................SFENIADNLNVNFATT   244
NTDB id 1244639 CJD39 RS06190 WP 111749493.1  DKPTEQIAIEARIVTISSEHLQQLGVRWGLFSPSESHHKFAGSLEGN..................GLTT..NNLNVNFP..   237
NTDB id 1381 A4U84 RS02010 WP 021113424.1      DKPTEQIAIEARIVTISSEHLQQLGVRWGLFSPNENHYKLAGNLEGN..................GLTT..NNLNVNFP..   228
consensus                                      !*!**!**!!!!!!!**** * *!!!!!!*******  ***!****!                    * **!!!!***
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logo
NTDB id 1186 GTF74 RS01320 WP 000788426.1      SANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSS.GASTVAFKKAVLSL   464
NTDB id 1175 A1552VC RS12105 WP 000788426.1    SANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSS.GASTVAFKKAVLSL   464
NTDB id 1408 DSB67 RS13980 WP 010643500.1      SPNATSIAFQVAKLGSDTLLDLELSALQQESKAEIISSPRLITTNKKPAYIEQGTEIPYLESSSS.GATSVTFKKAVLSL   473
NTDB id 1347 HI 0435 AAC22094.1                TTPAGSIALQVAKING.RLLDLELSALERENNVEIIASPRLLTTNKKSASIKQGTEIPYIVSNTRNDTQSVEFREAVLGL   323
NTDB id 1373 NTHI RS02645 WP 011272046.1       TTPAGSIALQVAKING.RLLDLELSALERENNVEIIASPRLLTTNKKSASIKQGTEIPYIVSNTRNDTQSVEFREAVLGL   323
NTDB id 1244639 CJD39 RS06190 WP 111749493.1  VNPSASVALQIASINS.RVLDLELTALERENNIEIIASPRLLTTDKKVASIKQGTEIPYAIYSKKEEISDIEFREAVLGL   316
NTDB id 1381 A4U84 RS02010 WP 021113424.1      VNPSASVALQIAAINS.RVLDLELTALESENNIEIIASPRLLTTDKKTASIKQGTEIPYAMYSKKEEITDIEFREAVLGL   307
consensus                                      * ***!*!*!*!**** **!!!!!*!!* !***!!!*!!!!*!!*!* !*!*!!!!!!!****** * ****!**!!!*!
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logo
NTDB id 1186 GTF74 RS01320 WP 000788426.1      KVTPQITPDNRLVLDLSVTQDRRGETVKTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPLLGDLPVL   544
NTDB id 1175 A1552VC RS12105 WP 000788426.1    KVTPQITPDNRLVLDLSVTQDRRGETVKTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPLLGDLPVL   544
NTDB id 1408 DSB67 RS13980 WP 010643500.1      KVTPQITPDNRLVLDLSVTQDRPGQVVKTGTGEAVAIDTQRIGTQVLVNNGETVVLGGIFQHSITNSVDKVPLLGDLPLL   553
NTDB id 1347 HI 0435 AAC22094.1                EVTPHISKDNNILLDLLVSQNSPGSRVAYGQNEVVSIDKQEINTQVFAKDGETIVLGGVFHDTITKSEDKVPLLGDIPVI   403
NTDB id 1373 NTHI RS02645 WP 011272046.1       EVTPHISKDNNILLDLLVSQNSPGSRVAYGQNEVVSIDKQEINTQVFAKDGETIVLGGVFHDTITKSEDKVPLLGDIPVI   403
NTDB id 1244639 CJD39 RS06190 WP 111749493.1  EVTPHISSENQILLDLSISQNSPNSQTT..NNAMVTIDKQEIKTQVFAKHGETIVLGGVFQHLISKGEDKVPLLGSIPVI   394
NTDB id 1381 A4U84 RS02010 WP 021113424.1      EVTPHISKQNQILLDLAISQNSPNNQI...NNTMVTIDKQEIKTQVLAKHGETIVLGGIFQHLIAKGEDKVPLLGSIPVI   384
consensus                                      *!!!*!* *!***!!!***!****  *  *****!*!!*!*! !!!*** !!!*!!!!!***!****!!!!!!!**!**
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logo
NTDB id 1186 GTF74 RS01320 WP 000788426.1      GALFRRTYEQMGKSELLIFVTPKVVIQ...............   571
NTDB id 1175 A1552VC RS12105 WP 000788426.1    GALFRRTYEQMGKSELLIFVTPKVVIQ...............   571
NTDB id 1408 DSB67 RS13980 WP 010643500.1      GALFRRSYENVGKSELLIFVTPKVVIQ...............   580
NTDB id 1347 HI 0435 AAC22094.1                KRLFSKESERHQKRELVIFVTPHILKAGETLEALKQKSEGKK   445
NTDB id 1373 NTHI RS02645 WP 011272046.1       KRLFSKESERHQKRELVIFVTPHILKAGETLEALKQKSAGKK   445
NTDB id 1244639 CJD39 RS06190 WP 111749493.1  KTLFSQNHEKISKRELIIFVTPYIVKSGKIQGKSK.......   429
NTDB id 1381 A4U84 RS02010 WP 021113424.1      KRLFSQSQDKISKRELVIFVTPYIVKSEKIGAEKQK......   420
consensus                                      * !!*** *** !*!!*!!!!! ***
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X non conserved

X similar

X ≥ 50% conserved