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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 1381 A4U84 RS02010 WP 021113424.1       ..........................................................................................     0
NTDB id 1065020 ACHWYG RS06480 WP 032823983.1   ..........................................................................................     0
NTDB id 1347 HI 0435 AAC22094.1                 ..........................................................................................     0
NTDB id 1373 NTHI RS02645 WP 011272046.1        ..........................................................................................     0
consensus

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 1381 A4U84 RS02010 WP 021113424.1       ..................................................MRYLFLLFFAT..........FPVLAN    17
NTDB id 1065020 ACHWYG RS06480 WP 032823983.1   ...............................................MKKYLLKCGYFLVCFCLPLIVF...A..NPKTDN    29
NTDB id 1347 HI 0435 AAC22094.1                 ...............................................MKKYFLKCGYFLVCFCLPLIVF...A..NPKTDN    29
NTDB id 1373 NTHI RS02645 WP 011272046.1        ...............................................MKKYFLKCGYFLVCFCLPLIVF...A..NPKTDN    29
consensus                                                                                        * ** *!* * *              *  **

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 1381 A4U84 RS02010 WP 021113424.1       QQISLSIRNAPTAEIISYLAEETGKNITISDEIKDTKNFRVEKSHFDEILNSLIKTHQLNLKKENGIYYIHQAQE.....    92
NTDB id 1065020 ACHWYG RS06480 WP 032823983.1   ERFFIRLSQAPLAQTLEQLAFQQDVNLVMDEALESNISLRLDNIDMPRLLQIIAKSKKLTLNKDEGIYYLNGGQS.....   104
NTDB id 1347 HI 0435 AAC22094.1                 ERFFIRLSQAPLAQTLEQLAFQQDVNLVIGDILENKISLKLNNIDMPRLLQIIAKSKHLTLNKDDGIYYLNGSQS.....   104
NTDB id 1373 NTHI RS02645 WP 011272046.1        ECFFIRLSQAPLAQTLEQLAFQQDVNLVMGERLEGNISLKLNNIDMPRLLKIIAKSKHLTLNKDDGVYYLNGSQS.....   104
consensus                                         *** * **!*****  *!* *  !***** ********** * *  *! ****** ! ****  *****   **

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1186 GTF74 RS01320 WP 000788426.1       KQALEKARLAEELGDLKSEIIKINFAKASDIAAMIGGEGNVNMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDI   316
NTDB id 1175 A1552VC RS12105 WP 000788426.1     KQALEKARLAEELGDLKSEIIKINFAKASDIAAMIGGEGNVNMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDI   316
NTDB id 1408 DSB67 RS13980 WP 010643500.1       KQQLEKQKLEKEIGELSSEIIKVNFAKASDIAEMINGEGNISMLSDRGSMTIDERTNSLLIRELPENIEVIREIIESLDI   317
NTDB id 1381 A4U84 RS02010 WP 021113424.1       HKQHTTAQLVNALPKLITTKTIKLHYSKASEVIESLT.KGQGNLLSESGYLHFDDRSNSIIVKDSAASVKNFTQLIESLDK   171
NTDB id 1065020 ACHWYG RS06480 WP 032823983.1   GKGQVAGNLTTNEPHLVSHTVKLHFAKASELMKSLT.TGSGSLLSSAGSITFDDRSNLLVIQDEPRSVQNIKKLIAEMDK   183
NTDB id 1347 HI 0435 AAC22094.1                 GKGQVAGNLTTNEPHLVSHTVKLHFAKASELMKSLT.TGSGSLLSPAGSITFDDRSNLLVIQDEPRSVQNIKKLIAEMDK   183
NTDB id 1373 NTHI RS02645 WP 011272046.1        GKGQVAGNLTTNEPHLVSHTVKLHFAKASELMKSLT.TGSGSLLSSAGSITFDDRSNLLVIQDEPRFVQNIKKLIAEMDK   183
consensus                                        **   **!   ** !** **!****!!!*** ***  !****!!* !****!*!*!****** *  * *** *!***!*
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logo

NTDB id 1186 GTF74 RS01320 WP 000788426.1        PVKQVQIEARIVTVKEGNLEELGVRWGVMSTNGSHS.VGGSIESNLWQKGLLAD........DEFPVDEFLNVNLASTSA   387
NTDB id 1175 A1552VC RS12105 WP 000788426.1      PVKQVQIEARIVTVKEGNLEELGVRWGVMSTNGSHS.VGGSIESNLWQKGLLAD........DEFPVDEFLNVNLASTSA   387
NTDB id 1408 DSB67 RS13980 WP 010643500.1        PVKQVQIEARIVTINEGNMDELGVRWGFTSINGSHT.VGGSIENNLATIGLYDGGGEGDDGGSSVGIDDFLNVNLAATSP   396
NTDB id 1381 A4U84 RS02010 WP 021113424.1        PTEQIAIEARIVTISSEHLQQLGVRWGLFSPNENHYKLAGNLEGN..................GLTT..NNLNVNF..PVN   230
NTDB id 1065020 ACHWYG RS06480 WP 032823983.1    PIEQIAIEARIVTITDESLKELGVRWGIFNPTENARRVAGSLAGN..................SFENIADNLNVNFATTTT   246
NTDB id 1347 HI 0435 AAC22094.1                  PIEQIAIEARIVTITDESLKELGVRWGIFNPTENARRVAGSLTGN..................SFENIADNLNVNFATTTT   246
NTDB id 1373 NTHI RS02645 WP 011272046.1         PIEQIAIEARIVTITDESLKELGVRWGIFNPTENARRVAGSLTGN..................SFENIADNLNVNFATTTT   246
consensus                                        !**!**!!!!!!!**** * *!!!!!!********* ***!****!                 *    * **!!!!*****

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NTDB id 1186 GTF74 RS01320 WP 000788426.1        NASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSS.GASTVAFKKAVLSLKV   466
NTDB id 1175 A1552VC RS12105 WP 000788426.1      NASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSSS.GASTVAFKKAVLSLKV   466
NTDB id 1408 DSB67 RS13980 WP 010643500.1        NATSIAFQVAKLGSDTLLDLELSALQQESKAEIISSPRLITTNKKPAYIEQGTEIPYLESSSS.GATSVTFKKAVLSLKV   475
NTDB id 1381 A4U84 RS02010 WP 021113424.1        PSASVALQIAAIN.SRVLDLELTALESENNIEIIASPRLLTTDKKTASIKQGTEIPYAMYSKKEEITDIEFREAVLGLEV   309
NTDB id 1065020 ACHWYG RS06480 WP 032823983.1    PAGSIALQVAKIN.GRLLDLELSALERENNVEIIASPRLLTTNKKSASIKQGTEIPYVVSNTRNDTQSVEFREAVLGLEV   325
NTDB id 1347 HI 0435 AAC22094.1                  PAGSIALQVAKIN.GRLLDLELSALERENNVEIIASPRLLTTNKKSASIKQGTEIPYIVSNTRNDTQSVEFREAVLGLEV   325
NTDB id 1373 NTHI RS02645 WP 011272046.1         PAGSIALQVAKIN.GRLLDLELSALERENNVEIIASPRLLTTNKKSASIKQGTEIPYIVSNTRNDTQSVEFREAVLGLEV   325
consensus                                        ***!*!*!*!*** ***!!!!!*!!* !***!!!*!!!!*!!*!**!*!*!!!!!!!****** * ****!**!!!*!*!

logo

NTDB id 1186 GTF74 RS01320 WP 000788426.1        TPQITPDNRLVLDLSVTQDRRGETVKTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPLLGDLPVLGA   546
NTDB id 1175 A1552VC RS12105 WP 000788426.1      TPQITPDNRLVLDLSVTQDRRGETVKTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPLLGDLPVLGA   546
NTDB id 1408 DSB67 RS13980 WP 010643500.1        TPQITPDNRLVLDLSVTQDRPGQVVKTGTGEAVAIDTQRIGTQVLVNNGETVVLGGIFQHSITNSVDKVPLLGDLPLLGA   555
NTDB id 1381 A4U84 RS02010 WP 021113424.1        TPHISKQNQILLDLAISQNSPNNQIN...NTMVTIDKQEIKTQVLAKHGETIVLGGIFQHLIAKGEDKVPLLGSIPVIKR   386
NTDB id 1065020 ACHWYG RS06480 WP 032823983.1    TPHISKDNNILLDLLVSQNSPGSRVAYGQNEVVSIDKQEINTQVFAKDGETIVLGGVFHDTITKSEDKVPLLGDIPVIKR   405
NTDB id 1347 HI 0435 AAC22094.1                  TPHISKDNNILLDLLVSQNSPGSRVAYGQNEVVSIDKQEINTQVFAKDGETIVLGGVFHDTITKSEDKVPLLGDIPVIKR   405
NTDB id 1373 NTHI RS02645 WP 011272046.1         TPHISKDNNILLDLLVSQNSPGSRVAYGQNEVVSIDKQEINTQVFAKDGETIVLGGVFHDTITKSEDKVPLLGDIPVIKR   405
consensus                                        !!*!***!***!!! **!****   *   * ***!*!!*!*! !!!*** !!!*!!!!*!***!****!!!!!!!**!****

logo

NTDB id 1186 GTF74 RS01320 WP 000788426.1        LFRRTYEQMGKSELLIFVTPKVVIQ..................   571
NTDB id 1175 A1552VC RS12105 WP 000788426.1      LFRRTYEQMGKSELLIFVTPKVVIQ..................   571
NTDB id 1408 DSB67 RS13980 WP 010643500.1        LFRRSYENVGKSELLIFVTPKVVIQ..................   580
NTDB id 1381 A4U84 RS02010 WP 021113424.1        LFSQSQDKISKRELVIFVTPYIVKSEKIG.AEKQK........   420
NTDB id 1065020 ACHWYG RS06480 WP 032823983.1    LFSKESERHQKRELVIFVTPHILKAGETLDVLKQKSAGKKLQ   447
NTDB id 1347 HI 0435 AAC22094.1                  LFSKESERHQKRELVIFVTPHILKAGETLEALKQKSEGKK..   445
NTDB id 1373 NTHI RS02645 WP 011272046.1         LFSKESERHQKRELVIFVTPHILKAGETLEALKQKSAGKK..   445
consensus                                        !!*** *** !*!!*!!!!! ***         ***
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X non conserved

X similar

X ≥ 50% conserved