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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 1376303 A4G16 RS06675 WP 165889234.1 ..........................................................................    0
NTDB id 1381 A4U84 RS02010 WP 021113424.1    ..........................................................................    0
consensus
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1186 GTF74 RS01320 WP 000788426.1    ELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVVTVDGEFQHDYTLKGKYLEVV.ISKLKADEKPKPKSVLEKE   155
NTDB id 1175 A1552VC RS12105 WP 000788426.1  ELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPSTQLVVTVDGEFQHDYTLKGKYLEVV.ISKLKADEKPKPKSVLEKE   155
NTDB id 1408 DSB67 RS13980 WP 010643500.1    DLLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSTTRLVAYIDEDYSHDYRLTGRYLEVK.VGKLKANEKAPDKSILDKE   156
NTDB id 1347 HI 0435 AAC22094.1              ..............................................MKKYFLKCGYFLVCFCLPLIVF..ANP....KTD    28
NTDB id 1373 NTHI RS02645 WP 011272046.1     ..............................................MKKYFLKCGYFLVCFCLPLIVF..ANP....KTD    28
NTDB id 1376303 A4G16 RS06675 WP 165889234.1 ..............................................................MSKILSLLLL..TPS....LVL    16
NTDB id 1381 A4U84 RS02010 WP 021113424.1    ..............................................................MRYLFLLFFA..TFP....VLA    16
consensus                                                                                                  * **  *  *  *  !       *      *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1186 GTF74 RS01320 WP 000788426.1    GKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDL.   234
NTDB id 1175 A1552VC RS12105 WP 000788426.1  GKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVGNLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILIAPKEELDL.   234
NTDB id 1408 DSB67 RS13980 WP 010643500.1    GKLISINFQDIPVRNVLQLIADYNQFNLVVSDSVEGNLTLRLDGVPWQQVLDIILQVKGLDKRVDGNVILVAPKDELDL.   235
NTDB id 1347 HI 0435 AAC22094.1              NERFFIRLSQAPLAQTLEQLAFQQDVNLVIGDILENKISLKLNNIDMPRLLQIIAKSKHLTLNKDDGIYYLNGSQSGKGQ   108
NTDB id 1373 NTHI RS02645 WP 011272046.1     NECFFIRLSQAPLAQTLEQLAFQQDVNLVMGERLEGNISLKLNNIDMPRLLKIIAKSKHLTLNKDDGVYYLNGSQSGKGQ   108
NTDB id 1376303 A4G16 RS06675 WP 165889234.1 ANTLSISLKNAPTPAILTYLAEETDKNIVLEDNIDTKTTLRLDNKSIDEILKTISKINKLSLKQENDIAYINKQENKLES    96
NTDB id 1381 A4U84 RS02010 WP 021113424.1    NQQISLSIRNAPTAEIISYLAEETGKNITISDEIKDTKNFRVEKSHFDEILNSLIKTHQLNLKKENGIYYIHQAQEHKQ.    95
consensus                                    *  *** * **!* ***  *!* *  !***** ********** * *  *! ****** ! ** *  * **   **
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1186 GTF74 RS01320 WP 000788426.1    ...REKQALEKARLAEELGDLKSEIIKINFAKASDIAAMIGGEGNVNMLSERGSISIDERTNSLLIRELPDNIAVIREII   311
NTDB id 1175 A1552VC RS12105 WP 000788426.1  ...REKQALEKARLAEELGDLKSEIIKINFAKASDIAAMIGGEGNVNMLSERGSISIDERTNSLLIRELPDNIAVIREII   311
NTDB id 1408 DSB67 RS13980 WP 010643500.1    ...REKQQLEKQKLEKEIGELSSEIIKVNFAKASDIAEMINGEGNISMLSDRGSMTIDERTNSLLIRELPENIEVIREII   312
NTDB id 1347 HI 0435 AAC22094.1              .........VAGNLTTNEPHLVSHTVKLHFAKASELMKSLT.TGSGSLLSPAGSITFDDRSNLLVIQDEPRSVQNIKKLI   178
NTDB id 1373 NTHI RS02645 WP 011272046.1     .........VAGNLTTNEPHLVSHTVKLHFAKASELMKSLT.TGSGSLLSSAGSITFDDRSNLLVIQDEPRFVQNIKKLI   178
NTDB id 1376303 A4G16 RS06675 WP 165889234.1 MPPIAHLQNNGQIHPLAPPKLITKTIKLYYAKASEIIDSLT.KGSGTFLSENGYIHFDERSNSLIIKDSEKSLRNIEKLV   175
NTDB id 1381 A4U84 RS02010 WP 021113424.1    ........HTTAQLVNALPKLITKTIKLHYSKASEVIESLT.KGQGNLLSESGYLHFDDRSNSIIVKDSAASVKNFTQLI   166
consensus                                              *  *   ** !** **!* **!!!*** ***  !*****!!* !*****!*!*!****** *  * *** **
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logo

NTDB id 1186 GTF74 RS01320 WP 000788426.1      ESLDIPVKQVQIEARIVTVKEGNLEELGVRWGVMSTNGSHS.VGGSIESNLWQKGLLAD........DEFPVDEFLNVNL   382
NTDB id 1175 A1552VC RS12105 WP 000788426.1    ESLDIPVKQVQIEARIVTVKEGNLEELGVRWGVMSTNGSHS.VGGSIESNLWQKGLLAD........DEFPVDEFLNVNL   382
NTDB id 1408 DSB67 RS13980 WP 010643500.1      ESLDIPVKQVQIEARIVTINEGNMDELGVRWGFTSINGSHT.VGGSIENNLATIGLYDGGGEGDDGGSSVGIDDFLNVNL   391
NTDB id 1347 HI 0435 AAC22094.1                AEMDKPIEQIAIEARIVTITDESLKELGVRWGIFNPTENARRVAGSLTGN..................SFENIADNLNVNF   241
NTDB id 1373 NTHI RS02645 WP 011272046.1       AEMDKPIEQIAIEARIVTITDESLKELGVRWGIFNPTENARRVAGSLTGN..................SFENIADNLNVNF   241
NTDB id 176303 A4G16 RS06675 WP 165889234.1    KKLDHPTEQIAIEARIVTISSEHLQELGVRWGMFSSSPEHYKFGGKLEGN..................GLNNMANNLNVNF   238
NTDB id 1381 A4U84 RS02010 WP 021113424.1      ESLDKPTEQIAIEARIVTISSEHLQQLGVRWGLFSPNENHYKLAGNLEGN..................GLT..TNNLNVNF   227
consensus                                      ***! !**!**!!!!!!!**** * *!!!!!!*** *   * ***!****!                  * **!!!!*

logo

NTDB id 1186 GTF74 RS01320 WP 000788426.1      ASTSANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSS.SGASTVAFKKAV   461
NTDB id 1175 A1552VC RS12105 WP 000788426.1    ASTSANASSIAFQVAKLGSGTLLDLELSALQNESKAEIISSPRLITTNKQPAYIEQGTEIPYLESSS.SGASTVAFKKAV   461
NTDB id 1408 DSB67 RS13980 WP 010643500.1      AATSPNATSIAFQVAKLGSDTLLDLELSALQQESKAEIISSPRLITTNKKPAYIEQGTEIPYLESSS.SGATSVTFKKAV   470
NTDB id 1347 HI 0435 AAC22094.1                ATTTTPAGSIALQVAKING.RLLDLELSALERENNVEIIASPRLLTTNKKSASIKQGTEIPYIVSNTRNDTQSVEFREAV   320
NTDB id 1373 NTHI RS02645 WP 011272046.1       ATTTTPAGSIALQVAKING.RLLDLELSALERENNVEIIASPRLLTTNKKSASIKQGTEIPYIVSNTRNDTQSVEFREAV   320
NTDB id 176303 A4G16 RS06675 WP 165889234.1    PV..ANGASAVLQIASINS.RVLDLELSALEQENSVEIIASPRLLTTNKKAASIKQGTEIPYVMYNTKSEATDVEFKEAV   315
NTDB id 1381 A4U84 RS02010 WP 021113424.1      PV..NPSASVALQIAAINS.RVLDLELTALESENNIEIIASPRLLTTDKKTASIKQGTEIPYAMYSKKEEITDIEFREAV   304
consensus                                      **** ***!***!*!**** **!!!!!*!!**!* *!!!*!!!!*!!*!* !*!*!!!!!!!*****************!**!!

logo

NTDB id 1186 GTF74 RS01320 WP 000788426.1      LSLKVTPQITPDNRLVLDLSVTQDRRGETVKTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPLLGDL   541
NTDB id 1175 A1552VC RS12105 WP 000788426.1    LSLKVTPQITPDNRLVLDLSVTQDRRGETVKTGTGEAVSIDTQRIGTQVLVNNGETVVLGGIFQHSINNSVDKVPLLGDL   541
NTDB id 1408 DSB67 RS13980 WP 010643500.1      LSLKVTPQITPDNRLVLDLSVTQDRPGQVVKTGTGEAVAIDTQRIGTQVLVNNGETVVLGGIFQHSITNSVDKVPLLGDL   550
NTDB id 1347 HI 0435 AAC22094.1                LGLEVTPHISKDNNILLDLLVSQNSPGSRVAYGQNEVVSIDKQEINTQVFAKDGETIVLGGVFHDTITKSEDKVPLLGDI   400
NTDB id 1373 NTHI RS02645 WP 011272046.1       LGLEVTPHISKDNNILLDLLVSQNSPGSRVAYGQNEVVSIDKQEINTQVFAKDGETIVLGGVFHDTITKSEDKVPLLGDI   400
NTDB id 176303 A4G16 RS06675 WP 165889234.1    LGLEVTPHLSTQNQILLDLVVTQNSPNSQS..GSSGLITIDKQELNTQVFAKHGETIVLGGIFQHLTQKGEDKVPILGSI   393
NTDB id 1381 A4U84 RS02010 WP 021113424.1      LGLEVTPHISKQNQILLDLAISQNSPNNQI..N.NTMVTIDKQEIKTQVLAKHGETIVLGGIFQHLIAKGEDKVPLLGSI   381
consensus                                      !*!*!!!*** *!***!!! **!**** *  ** ****!!*!** !!!*** !!!*!!!!*!**** ***!!!!*!!**

logo

NTDB id 1186 GTF74 RS01320 WP 000788426.1      PVLGALFRRTYEQMGKSELLIFVTPKVVIQ...............   571
NTDB id 1175 A1552VC RS12105 WP 000788426.1    PVLGALFRRTYEQMGKSELLIFVTPKVVIQ...............   571
NTDB id 1408 DSB67 RS13980 WP 010643500.1      PLLGALFRRSYENVGKSELLIFVTPKVVIQ...............   580
NTDB id 1347 HI 0435 AAC22094.1                PVIKRLFSKESERHQKRELVIFVTPHILKAGETLEALKQKSEGKK   445
NTDB id 1373 NTHI RS02645 WP 011272046.1       PVIKRLFSKESERHQKRELVIFVTPHILKAGETLEALKQKSAGKK   445
NTDB id 176303 A4G16 RS06675 WP 165889234.1    PFIKRLFSQTRDKISKRELVIFVTPYILQSSEKISTISKLK....   434
NTDB id 1381 A4U84 RS02010 WP 021113424.1      PVIKRLFSQSQDKISKRELVIFVTPYIVKSEKIGAEKQK......   420
consensus                                      !****!!*** *** !*!!*!!!!! **
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X non conserved

X similar

X ≥ 50% conserved