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logo
NTDB id 292272 DF184 RS04285 WP 024401460.1  MPKRIGKLVYTDKFSFFIRYFAVFTLIFGLMTAIIFQLMRSTMYQNSDNTLKRIKEEPAMAVGFAIARTYEPNSVFILQD   80
NTDB id 259 KZH43 RS03480 WP 000491790.1     MFSKLKKTWYADDFSYFIRNFGVFTLIFSTMTLIILQVMHSSLYTSVDDKLHGLSENPQAVIQLAINRATEEIKDLENAR   80
NTDB id 218 SPD RS03780 WP 000491790.1       MFSKLKKTWYADDFSYFIRNFGVFTLIFSTMTLIILQVMHSSLYTSVDDKLHGLSENPQAVIQLAINRATEEIKDLENAR   80
NTDB id 184 SPR RS03565 WP 000491790.1       MFSKLKKTWYADDFSYFIRNFGVFTLIFSTMTLIILQVMHSSLYTSVDDKLHGLSENPQAVIQLAINRATEEIKDLENAR   80
NTDB id 148 SP RS03910 WP 000491790.1        MFSKLKKTWYADDFSYFIRNFGVFTLIFSTMTLIILQVMHSSLYTSVDDKLHGLSENPQAVIQLAINRATEEIKDLENAR   80
NTDB id 363 SMU RS05195 WP 002262215.1       MLIKLRKQKQDENISFFSHFFAVFTGIFFVMTVIILQVMHFGIYSSVDNSLKIATENVNDYVNMTLSHNN.PITEAENGD   79
consensus                                    !*****!*******!*!***!*!!!*!!**!!*!!*!*!****!***!**!****!**********************

logo
NTDB id 292272 DF184 RS04285 WP 024401460.1  SPTSEETTSSSSDSMPVPKDQKNTRDGDQLRLGVNTHVLLYSKS.GEMVNPDTFTGLADLPLDKEKLGEIKETTVESSFG  159
NTDB id 259 KZH43 RS03480 WP 000491790.1     ...........ADASKV.........EIKPNVSSNTEVILFDKDFTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYG  140
NTDB id 218 SPD RS03780 WP 000491790.1       ...........ADASKV.........EIKPNVSSNTEVILFDKDFTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYG  140
NTDB id 184 SPR RS03565 WP 000491790.1       ...........ADASKV.........EIKPNVSSNTEVILFDKDFTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYG  140
NTDB id 148 SP RS03910 WP 000491790.1        ...........ADASKV.........EIKPNVSSNTEVILFDKDFTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYG  140
NTDB id 363 SMU RS05195 WP 002262215.1       ............ASFKV.........KSNGQMAANTDTILYDKKHNVINNVNAFSSLYHIRPKLKDIGDIVEQEAKNIYG  138
consensus                                              *****!        ********!!***!**!**********!**!**********!*!*********!

logo
NTDB id 292272 DF184 RS04285 WP 024401460.1  MSEDYRYVTIELATDELGYYSSYDIKYATILVNVSQIKSSIETYESTVAIVMVSAWLISILASIYLSNLSMRPILISYQK  239
NTDB id 259 KZH43 RS03480 WP 000491790.1     QEEIYRVILMETNISSV....STNIKYAAVLINTSQLEQASQKHEQLIVVVMASFWILSLLASLYLARVSVRPLLESMQK  216
NTDB id 218 SPD RS03780 WP 000491790.1       QEEIYRVILMETNISSV....STNIKYAAVLINTSQLEQASQKHEQLIVVVMASFWILSLLASLYLARVSVRPLLESMQK  216
NTDB id 184 SPR RS03565 WP 000491790.1       QEEIYRVILMETNISSV....STNIKYAAVLINTSQLEQASQKHEQLIVVVMASFWILSLLASLYLARVSVRPLLESMQK  216
NTDB id 148 SP RS03910 WP 000491790.1        QEEIYRVILMETNISSV....STNIKYAAVLINTSQLEQASQKHEQLIVVVMASFWILSLLASLYLARVSVRPLLESMQK  216
NTDB id 363 SMU RS05195 WP 002262215.1       QTEKYRTVTVKVNN.DF....YPQIKFATIVINTTQLEEANTRYVTIIISVMIVFWLISVIASVYLAKWSQKPILENYEK  213
consensus                                    **!*!!***********    ***!!*!****!**!**************!!***!**!**!!*!!***!**!*!****!

logo
NTDB id 292272 DF184 RS04285 WP 024401460.1  QKDFVENASHELRTPLAVLQNRLESLFRHPEATILESSESIGSSLEEVRNMRLLTTNLLNLARRDDGLKVDMIDVQPNYF  319
NTDB id 259 KZH43 RS03480 WP 000491790.1     QQSFVENASHELRTPLAVLQNRLETLFRKPEATIMDVSESIASSLEEVRNMRFLTTSLLNLARRDDGIKPELAEVPTSFF  296
NTDB id 218 SPD RS03780 WP 000491790.1       QQSFVENASHELRTPLAVLQNRLETLFRKPEATIMDVSESIASSLEEVRNMRFLTTSLLNLARRDDGIKPELAEVPTSFF  296
NTDB id 184 SPR RS03565 WP 000491790.1       QQSFVENASHELRTPLAVLQNRLETLFRKPEATIMDVSESIASSLEEVRNMRFLTTSLLNLARRDDGIKPELAEVPTSFF  296
NTDB id 148 SP RS03910 WP 000491790.1        QQSFVENASHELRTPLAVLQNRLETLFRKPEATIMDVSESIASSLEEVRNMRFLTTSLLNLARRDDGIKPELAEVPTSFF  296
NTDB id 363 SMU RS05195 WP 002262215.1       QKSFVENASHELRTPLAVLQNRLESLFRKPEATILDSSESIASSLEEVRNMRMLTANLLNLARRDDGIKPEITEIQPRFF  293
consensus                                    !**!!!!!!!!!!!!!!!!!!!!!!*!!!*!!!!!***!!!!*!!!!!!!!!!!*!!**!!!!!!!!!!*!*********!

logo
NTDB id 292272 DF184 RS04285 WP 024401460.1  DEIFANYLMIAEENGKTLTVNNLIHQPIRTDKVLIKQLLTILFDNAMKYTDDDGRIQITANIKDKSVYFTVADNGLGISD  399
NTDB id 259 KZH43 RS03480 WP 000491790.1     NTTFTNYEMIASENNRVFRFENRIHRTIVTDQLLLKQLMTILFDNAVKYTEEDGEIDFLISATDRNLYLLVSDNGIGIST  376
NTDB id 218 SPD RS03780 WP 000491790.1       NTTFTNYEMIASENNRVFRFENRIHRTIVTDQLLLKQLMTILFDNAVKYTEEDGEIDFLISATDRNLYLLVSDNGIGIST  376
NTDB id 184 SPR RS03565 WP 000491790.1       NTTFTNYEMIASENNRVFRFENRIHRTIVTDQLLLKQLMTILFDNAVKYTEEDGEIDFLISATDRNLYLLVSDNGIGIST  376
NTDB id 148 SP RS03910 WP 000491790.1        NTTFTNYEMIASENNRVFRFENRIHRTIVTDQLLLKQLMTILFDNAVKYTEEDGEIDFLISATDRNLYLLVSDNGIGIST  376
NTDB id 363 SMU RS05195 WP 002262215.1       DDTFKNYEMIARENGKKLHIINKVNRQIKTDKTLLKQLMTILFDNAVKYTDNDGEIWLDVKTTDRSLIFSVADNGQGISD  373
consensus                                    ***!*!!*!!!*!!*******!*****!*!!**!*!!!*!!!!!!!!*!!!!**!!*!*******!******!*!!!*!!!*
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logo

NTDB id 292272 DF184 RS04285 WP 024401460.1   ADKKKIFDRFYRVDKARTRQKGGFGLGLSLAQQIIKTLGGKISVRDNQPKGTIFEVGLPK........   459
NTDB id 259 KZH43 RS03480 WP 000491790.1      EDKKKIFDRFYRVDKARTRQKGGFGLGLSLAKQIVDALKGTVTVKDNKPKGTIFEVKIAIQTPSKKKK   444
NTDB id 218 SPD RS03780 WP 000491790.1        EDKKKIFDRFYRVDKARTRQKGGFGLGLSLAKQIVDALKGTVTVKDNKPKGTIFEVKIAIQTPSKKKK   444
NTDB id 184 SPR RS03565 WP 000491790.1        EDKKKIFDRFYRVDKARTRQKGGFGLGLSLAKQIVDALKGTVTVKDNKPKGTIFEVKIAIQTPSKKKK   444
NTDB id 148 SP RS03910 WP 000491790.1         EDKKKIFDRFYRVDKARTRQKGGFGLGLSLAKQIVDALKGTVTVKDNKPKGTIFEVKIAIQTPSKKKK   444
NTDB id 363 SMU RS05195 WP 002262215.1        EDKKKIFDRFYRVDKARTRQKGGFGLGLSLAKQITDSLKGSIIVKDKKPQGVMFEARLLANK......   435
consensus                                     *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!***!*!***!*!**!*!**!!************
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X non conserved

X similar

X $\geq$ 50% conserved