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logo
NTDB id 158211 APQ97 RS05625 WP 002935290.1  MPKRFKKLMYTDKFSFFIRYFAVFTLIFGLMTAIIFQLMRSTMYQNSDNTLKRIKKEPALAVGFAIARTYEPNSVFILQD   80
NTDB id 363 SMU RS05195 WP 002262215.1       MLIKLRKQKQDENISFFSHFFAVFTGIFFVMTVIIIQVMHFGIYSSVDNSLKIATENVNDYVNMTLSHNN.PITEAE...   76
NTDB id 259 KZH43 RS03480 WP 000491790.1     MFSKLKKTWYADDFSYFIRNFGVFTLIFSTMTLIILQVMHSSLYTSVDDKLHGLSENPQAVIQLAINRATEEIKDLE...   77
NTDB id 218 SPD RS03780 WP 000491790.1       MFSKLKKTWYADDFSYFIRNFGVFTLIFSTMTLIILQVMHSSLYTSVDDKLHGLSENPQAVIQLAINRATEEIKDLE...   77
NTDB id 184 SPR RS03565 WP 000491790.1       MFSKLKKTWYADDFSYFIRNFGVFTLIFSTMTLIILQVMHSSLYTSVDDKLHGLSENPQAVIQLAINRATEEIKDLE...   77
NTDB id 148 SP RS03910 WP 000491790.1        MFSKLKKTWYADDFSYFIRNFGVFTLIFSTMTLIILQVMHSSLYTSVDDKLHGLSENPQAVIQLAINRATEEIKDLE...   77
consensus                                    !*****!*******!*!***!*!!!*!!**!!*!!*!*!****!***!**!**********************

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NTDB id 158211 APQ97 RS05625 WP 002935290.1  SPTGEETTSSSSDSTPVPKNQKNTRAGDQLRLGANTHVLLYSKSG.EMINPDTFTGLADLSLDKEKLGEIKETTVESSFG  159
NTDB id 363 SMU RS05195 WP 002262215.1       ..NGD.......AS.........FKVKSNGQMAANTDTILYDKKHNVINNVNAFSSLYHIRPKLKDIGDIVEQEAKNIYG  138
NTDB id 259 KZH43 RS03480 WP 000491790.1     ..NAR......ADA.........SKVEIKPNVSSNTEVILFDKDFTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYG  140
NTDB id 218 SPD RS03780 WP 000491790.1       ..NAR......ADA.........SKVEIKPNVSSNTEVILFDKDFTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYG  140
NTDB id 184 SPR RS03565 WP 000491790.1       ..NAR......ADA.........SKVEIKPNVSSNTEVILFDKDFTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYG  140
NTDB id 148 SP RS03910 WP 000491790.1        ..NAR......ADA.........SKVEIKPNVSSNTEVILFDKDFTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYG  140
consensus                                      ***       ***         **********!!***!**!**********!**!**********!*!*********!

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NTDB id 158211 APQ97 RS05625 WP 002935290.1  MSEDYRYITIGLATDELGYYSSYDIKYATILVNVSQIKSSIESYESTVAIVMVSAWLISILASIYLSNLSMRPILISYQK  239
NTDB id 363 SMU RS05195 WP 002262215.1       QTEKYRTVTVKVNN.D....FYPQIKFATIVINTTQLEEANTRYVTIIISVMIVFWLISVIASVYLAKWSQKPILENYEK  213
NTDB id 259 KZH43 RS03480 WP 000491790.1     QEEIYRVILMETNISS....VSTNIKYAAVLINTSQLEQASQKHEQLIVVVMASFWILSLLASLYLARVSVRPLLESMQK  216
NTDB id 218 SPD RS03780 WP 000491790.1       QEEIYRVILMETNISS....VSTNIKYAAVLINTSQLEQASQKHEQLIVVVMASFWILSLLASLYLARVSVRPLLESMQK  216
NTDB id 184 SPR RS03565 WP 000491790.1       QEEIYRVILMETNISS....VSTNIKYAAVLINTSQLEQASQKHEQLIVVVMASFWILSLLASLYLARVSVRPLLESMQK  216
NTDB id 148 SP RS03910 WP 000491790.1        QEEIYRVILMETNISS....VSTNIKYAAVLINTSQLEQASQKHEQLIVVVMASFWILSLLASLYLARVSVRPLLESMQK  216
consensus                                    **!*!!**********    ****!!*!****!**!**************!!***!**!**!!*!!***!**!*!****!

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NTDB id 158211 APQ97 RS05625 WP 002935290.1  QKDFVENASHELRTPLAVLQNRLESLFRHPETTILESSESIGSSLEEVRNMRLLTTNLLNLARRDDGLKVDMIDVQPNYF  319
NTDB id 363 SMU RS05195 WP 002262215.1       QKSFVENASHELRTPLAVLQNRLESLFRKPEATILDSSESIASSLEEVRNMRMLTANLLNLARRDDGIKPEITEIQPRFF  293
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
consensus                                    !**!!!!!!!!!!!!!!!!!!!!!!!!*!!!*!!*!!***!!!!*!!!!!!!!!!!*!!**!!!!!!!!!!!*!*********!

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NTDB id 158211 APQ97 RS05625 WP 002935290.1  DEIFANYLMIAEENGKTLTVNNLIHQPIRTDKVLIKQLLTILFDNAMKYTDDDGTIQMAANIKDKLVCFTVIDNGLGISD  399
NTDB id 363 SMU RS05195 WP 002262215.1       DDTFKNYEMIARENGKKLHIINKVNRQIKTDKTLLKQLMTILFDNAVKYTDNDGEIWLDVKTTDRSLIFSVADNGQGISD  373
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
consensus                                    ***!*!!*!!!*!!*******!*****!*!!**!*!!!*!!!!!!!!*!!!!**!!*!*******!******!*!!!*!!!*
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logo
                                                  EDKKKIFDRFYRVDKARTRQKGGFGLGLSLAKQIVDALKGTVTVKDNKPKGTIFEVKIAIQTPSKKKK

NTDB id 158211 APQ97 RS05625 WP 002935290.1   ADKKKIFDRFYRVDKARTRQKGGFGLGLSLAQQIIKNLDGEISVRDNQPKGTIFEVRLPK........   459
NTDB id 363 SMU RS05195 WP 002262215.1        EDKKKIFDRFYRVDKARTRQKGGFGLGLSLAKQITDSLKGSIIVKDKKPQGVMFEARLLANK......   435
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
consensus                                     *!!!
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