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logo
NTDB id 49684 SSU12 RS05115 WP 012027074.1  MPKRIGKLVYTDKFSFFIRYFAVFTLIFGLMTAIIFQLMRSTMYQNSDNTLKRIKEEPAMAVGFAIARTYEPNSVFILQDSPTSE   85
NTDB id 363 SMU RS05195 WP 002262215.1      MLIKLRKQKQDENISFFSHFFAVFTGIFFVMTVIIIQVMHFGIYSSVDNSLKIATENVNDYVNMTLSHNN.PITEAENGD.....   79
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
consensus                                   !*****!*******!*!***!*!!!*!!**!!*!!*!*!****!***!**!****!**********************

logo
NTDB id 49684 SSU12 RS05115 WP 012027074.1  ETTSSSSDSMPVPKEQKNTRDGDQLRLGVNTHVLLYSKS.GEMVNPDTFTGLANLPLDKEKLGEIKETTVESSFGMSEDYRYITI  169
NTDB id 363 SMU RS05195 WP 002262215.1      ......ASFKV.........KSNGQMAANTDTILYDKKHNVINNVNAFSSLYHIRPKLKDIGDIVEQEAKNIYGQTEKYRTVTV  148
NTDB id 259 KZH43 RS03480 WP 000491790.1    ......ADASKV.........EIKPNVSSNTEVILFDKDFTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYGQEEIYRVILM  150
NTDB id 218 SPD RS03780 WP 000491790.1      ......ADASKV.........EIKPNVSSNTEVILFDKDFTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYGQEEIYRVILM  150
NTDB id 184 SPR RS03565 WP 000491790.1      ......ADASKV.........EIKPNVSSNTEVILFDKDFTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYGQEEIYRVILM  150
NTDB id 148 SP RS03910 WP 000491790.1       ......ADASKV.........EIKPNVSSNTEVILFDKDFTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYGQEEIYRVILM  150
consensus                                      *****!            ********!!***!**!**********!**!**********!*!*********!**!*!!****

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NTDB id 49684 SSU12 RS05115 WP 012027074.1  GLATDELGYYSSYDIKYATILVNVSQIKSSIESYESTVAIVMVSAWLISILASIYLSNLSMRPILISYQKQKDFVENASHELRTP  254
NTDB id 363 SMU RS05195 WP 002262215.1      KVNN.D....FYPQIKFATIVINTTQLEEANTRYVTIIISVMIVFWLISVIASVYLAKWSQKPILENYEKQKSFVENASHELRTP  228
NTDB id 259 KZH43 RS03480 WP 000491790.1    ETNISS....VSTNIKYAAVLINTSQLEQASQKHEQLIVVVMASFWILSLLASLYLARVSVRPLLESMQKQQSFVENASHELRTP  231
NTDB id 218 SPD RS03780 WP 000491790.1      ETNISS....VSTNIKYAAVLINTSQLEQASQKHEQLIVVVMASFWILSLLASLYLARVSVRPLLESMQKQQSFVENASHELRTP  231
NTDB id 184 SPR RS03565 WP 000491790.1      ETNISS....VSTNIKYAAVLINTSQLEQASQKHEQLIVVVMASFWILSLLASLYLARVSVRPLLESMQKQQSFVENASHELRTP  231
NTDB id 148 SP RS03910 WP 000491790.1       ETNISS....VSTNIKYAAVLINTSQLEQASQKHEQLIVVVMASFWILSLLASLYLARVSVRPLLESMQKQQSFVENASHELRTP  231
consensus                                   ******    ****!!*!****!**!**************!!***!**!**!!*!!***!**!*!****!!**!!!!!!!!!!!!

logo
NTDB id 49684 SSU12 RS05115 WP 012027074.1  LAVLQNRLESLFRHPETTILESSSESIGSSLEEVRNMRLLTTNLLNLARRDDGLKVDMIDVQPNYFDEIFANYLMIAEENGKTLTV  339
NTDB id 363 SMU RS05195 WP 002262215.1      LAVLQNRLESLFRKPEATILDSSSESIASSLEEVRNMRMLTANLLNLARRDDGIKPEITEIQPRFFDDTFKNYEMIARENGKKLHI  313
NTDB id 259 KZH43 RS03480 WP 000491790.1    LAVLQNRLETLFRKPEATIMDVSESIASSLEEVRNMRFLTTSLLNLARRDDGIKPELAEVPTSFFNTTFTNYEMIASENNRVFRF  316
NTDB id 218 SPD RS03780 WP 000491790.1      LAVLQNRLETLFRKPEATIMDVSESIASSLEEVRNMRFLTTSLLNLARRDDGIKPELAEVPTSFFNTTFTNYEMIASENNRVFRF  316
NTDB id 184 SPR RS03565 WP 000491790.1      LAVLQNRLETLFRKPEATIMDVSESIASSLEEVRNMRFLTTSLLNLARRDDGIKPELAEVPTSFFNTTFTNYEMIASENNRVFRF  316
NTDB id 148 SP RS03910 WP 000491790.1       LAVLQNRLETLFRKPEATIMDVSESIASSLEEVRNMRFLTTSLLNLARRDDGIKPELAEVPTSFFNTTFTNYEMIASENNRVFRF  316
consensus                                   !!!!!!!!!*!!!*!!*!!***!!!!!*!!!!!!!!!!*!!**!!!!!!!!!!*!**********!***!*!!*!!!*!!******

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NTDB id 49684 SSU12 RS05115 WP 012027074.1  NNLIHQPIRTDKVLIKQLLTILFDNAMKYTDDDGTIQIAANIKDKLVCFTVIDNGLGISDVDKKKIFDRFYRVDKARTRQKGGFG  424
NTDB id 363 SMU RS05195 WP 002262215.1      INKVNRQIKTDKTLLKQLMTILFDNAVKYTDNDGEIWLDVKTTDRSLIFSVADNGQGISDEDKKKIFDRFYRVDKARTRQKGGFG  398
NTDB id 259 KZH43 RS03480 WP 000491790.1    ENRIHRTIVTDQLLLKQLMTILFDNAVKYTEEDGEIDFLISATDRNLYLLVSDNGIGISTEDKKKIFDRFYRVDKARTRQKGGFG  401
NTDB id 218 SPD RS03780 WP 000491790.1      ENRIHRTIVTDQLLLKQLMTILFDNAVKYTEEDGEIDFLISATDRNLYLLVSDNGIGISTEDKKKIFDRFYRVDKARTRQKGGFG  401
NTDB id 184 SPR RS03565 WP 000491790.1      ENRIHRTIVTDQLLLKQLMTILFDNAVKYTEEDGEIDFLISATDRNLYLLVSDNGIGISTEDKKKIFDRFYRVDKARTRQKGGFG  401
NTDB id 148 SP RS03910 WP 000491790.1       ENRIHRTIVTDQLLLKQLMTILFDNAVKYTEEDGEIDFLISATDRNLYLLVSDNGIGISTEDKKKIFDRFYRVDKARTRQKGGFG  401
consensus                                   *!*****!*!!**!*!!!*!!!!!!!*!!!**!!*!*******!******!*!!!*!!!!**!!!!!!!!!!!!!!!!!!!!!!!!
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logo

NTDB id 49684 SSU12 RS05115 WP 012027074.1    LGLSLAQQIIKNLDGEISVRDNQPKGTIFEVRLPK........   459
NTDB id 363 SMU RS05195 WP 002262215.1        LGLSLAKQITDSLKGSIIVKDKKPQGVMFEARLLANK......   435
NTDB id 259 KZH43 RS03480 WP 000491790.1      LGLSLAKQIVDALKGTVTVKDNKPKGTIFEVKIAIQTPSKKKK   444
NTDB id 218 SPD RS03780 WP 000491790.1        LGLSLAKQIVDALKGTVTVKDNKPKGTIFEVKIAIQTPSKKKK   444
NTDB id 184 SPR RS03565 WP 000491790.1        LGLSLAKQIVDALKGTVTVKDNKPKGTIFEVKIAIQTPSKKKK   444
NTDB id 148 SP RS03910 WP 000491790.1         LGLSLAKQIVDALKGTVTVKDNKPKGTIFEVKIAIQTPSKKKK   444
consensus                                     !!!!!!*!!***!*!***!*!**!*!**!!*************
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X non conserved

X similar

X $\geq$ 50% conserved