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logo
NTDB id 1138888 DQM56 RS02860 WP 012515170.1   MNNNILESAEFYNRRYHNFSSRVILPTLLLFLFGVFFLAFAKKEISIISTATVEPNILLSNIQSTSNNTILTNNLKDNKY   80
NTDB id 422 SGO RS10255 WP 012131059.1         MNEQFLESAEFYQKRYHNFASCLIVPSLILLVFLVGFSMLAKKEITISSRASVEASRVLAQIQSTSNGPIIANHLAENKE   80
NTDB id 248 KZH43 RS00225 WP 000801613.1       MKPEFLESAEFYNRRYHNFSSSVIVPMALLLVFLLGFATVAEKEMSLSTRATVEPSRILANIQSTSNNRILVNHLEENKL   80
NTDB id 207 SPD RS00240 WP 000801613.1         MKPEFLESAEFYNRRYHNFSSSVIVPMALLLVFLLGFATVAEKEMSLSTRATVEPSRILANIQSTSNNRILVNHLEENKL   80
NTDB id 172 SPR RS00235 WP 000801613.1         MKPEFLESAEFYNRRYHNFSSSVIVPMALLLVFLLGFATVAEKEMSLSTRATVEPSRILANIQSTSNNRILVNHLEENKL   80
NTDB id 132 SP RS00260 WP 000801611.1          MKPEFLESAEFYNRRYHNFSSSVIVPMALLLVFLLGFATVAEKEMSLSTRATVEPSRILANIQSTSNNRILVNHLEENKL   80
NTDB id 512 SMSK321 RS10735 WP 000801634.1     MKPEFLESAEFYNRRYHTFSSRVIVPMSLLLVFLLGFATFAEKEMSLSTRATVEPSRILANIQSTSNNRILVNHLEENKL   80
NTDB id 484 SM12261 RS00280 WP 000801588.1     MKPEFLESAEFYNRRYHNFSSRVIVPMFLLLVFLLGFATLAEKEMSMSTRATVEPSRILANIQSTSNNRILVNHLEESKL   80
consensus                                      !****!!!!!!!**!!!*!*!  *!*!*  *!**!***!***!*!!******!*!!****!**!!!!!!*!**!*!***!*

logo
NTDB id 1138888 DQM56 RS02860 WP 012515170.1   VKFGDLLIKYDSRKEGIQQETYQTQLNNLQIQKEQLELLKASIEAGNSQFPEKDNYGYYQTFIDYLNQINTLSANVNQQN  160
NTDB id 422 SGO RS10255 WP 012131059.1         VKKGELLIQYAVEGEGAQEQKFSSQLDLLKDQKGKLETLRSSLESGRNQFTEPDSYGYEQSFKDYQNQVESMTSSVNQQN  160
NTDB id 248 KZH43 RS00225 WP 000801613.1       VKKGDLLVQYQEGAEGVQAESYASQLDMLKDQKKQLEYLQKSLQEGENHFPEEDKFGYQATFRDYISQAGSLRASTSQQN  160
NTDB id 207 SPD RS00240 WP 000801613.1         VKKGDLLVQYQEGAEGVQAESYASQLDMLKDQKKQLEYLQKSLQEGENHFPEEDKFGYQATFRDYISQAGSLRASTSQQN  160
NTDB id 172 SPR RS00235 WP 000801613.1         VKKGDLLVQYQEGAEGVQAESYASQLDMLKDQKKQLEYLQKSLQEGENHFPEEDKFGYQATFRDYISQAGSLRASTSQQN  160
NTDB id 132 SP RS00260 WP 000801611.1          VKKGDLLVQYQEGAEGVQAESYASQLDMLKDQKKQLEYLQKSLQEGENHFPEEDKFGYQATFRDYISQAGSLRASTSQQN  160
NTDB id 512 SMSK321 RS10735 WP 000801634.1     VKKGELLVQYQEGAEGVQAEAYASQLDMLKDQKKQLEYLQKSLQEGENHFPEEDKFGYQATFRDYISQAGSLRASTSQQN  160
NTDB id 484 SM12261 RS00280 WP 000801588.1     VKKGELLVQYQEGAEGVQAEAYASQLDMLKDQKKQLEYLQKSLQEGENHFPEEDKFGYQATFRDYISQAGSLRASTSQQN  160
consensus                                      !!*!*!!**!****!!*!******!!**!**!!*!!*!**!***!***!*!*!**!!***!*!!**!*********!!!

logo
NTDB id 1138888 DQM56 RS02860 WP 012515170.1   ENVSSQNTAASNQQVEIENAIKGLTSQISDYQSVRSAIQNGTVVDLDNRAYSIYRSYLTQTSSLVDNTDKTAVINQFVAQ  240
NTDB id 422 SGO RS10255 WP 012131059.1         ATIASQNAAASQSQAELGGVISDVDSKLNDHRNLKNAIQSGVGIDASHPLHSLYQSYRDQLSLAED...KATAQSQIVAQ  237
NTDB id 248 KZH43 RS00225 WP 000801613.1       ETIASQNAAASQTQAEIGNLISQTEAKIRDYQTAKSAIETGTSLAGQNLAYSLYQSYKSQG...EE...NPQTKVQAVAQ  234
NTDB id 207 SPD RS00240 WP 000801613.1         ETIASQNAAASQTQAEIGNLISQTEAKIRDYQTAKSAIETGTSLAGQNLAYSLYQSYKSQG...EE...NPQTKVQAVAQ  234
NTDB id 172 SPR RS00235 WP 000801613.1         ETIASQNAAASQTQAEIGNLISQTEAKIRDYQTAKSAIETGTSLAGQNLAYSLYQSYKSQG...EE...NPQTKVQAVAQ  234
NTDB id 132 SP RS00260 WP 000801611.1          ETIASQNAAASQTQAEIGNLISQTEAKIRDYQTAKSAIETGASLAGQNLAYSLYQSYKSQG...EE...NPQTKVQAVAQ  234
NTDB id 512 SMSK321 RS10735 WP 000801634.1     ETIASQNAAASQTQAEIGNLISQTEAKIRDYQTAKSAIETGASLASQNLAYSLYQSYKSQG...EE...NPQAKAQAVAQ  234
NTDB id 484 SM12261 RS00280 WP 000801588.1     ETIASQNAAASQTQAEIGTLISQTEAKIRDYQTAKSAIETGASLASQNLAYSLYQSYKSQG...EE...NPQSKAQAVVQ  234
consensus                                      ****!!!*!!!**!*!****!*******!******!!**!  **********!*!*!!**!*   **   *****  !*!*!

logo
NTDB id 1138888 DQM56 RS02860 WP 012515170.1   IDSQINQLESSVAGYRIQHAGSGVQQSYSSTLESQLASLKAQSITKVEQELSALSNQITELEGTNKLQKNTSSKTSIVAN  320
NTDB id 422 SGO RS10255 WP 012131059.1         LDGQISQLEATAATYRVQYAGAGAQQAYASNLSSQLASLKAQYLVKVGQELTTLTQQILEAESNLKLQETVSKRGQILAE  317
NTDB id 248 KZH43 RS00225 WP 000801613.1       VEAQISQLESSLATYRVQYAGSGTQQAYASGLSSQLESLKSQHLAKVGQELSLLAQKILEAESGKKVQGNLLDKGKITAS  314
NTDB id 207 SPD RS00240 WP 000801613.1         VEAQISQLESSLATYRVQYAGSGTQQAYASGLSSQLESLKSQHLAKVGQELSLLAQKILEAESGKKVQGNLLDKGKITAS  314
NTDB id 172 SPR RS00235 WP 000801613.1         VEAQISQLESSLATYRVQYAGSGTQQAYASGLSSQLESLKSQHLAKVGQELSLLAQKILEAESGKKVQGNLLDKGKITAS  314
NTDB id 132 SP RS00260 WP 000801611.1          VEAQISQLESSLATYRVQYAGSGTQQAYASGLSSQLESLKSQHLAKVGQELTLLAQKILEAESGKKVQGNLLDKGKVTAS  314
NTDB id 512 SMSK321 RS10735 WP 000801634.1     VEAQLSQLESSLTTYRVQYAGSGIQQAYASGLSSQLESLKSQHLAKVSQELTLLDQKILEVESGKKVQGNLLDKGKITAS  314
NTDB id 484 SM12261 RS00280 WP 000801588.1     LEAQLSQLESSLATYRVQYAGSGTQQAYASGLSSQLESLKSQHLAKVGQELTLLDQKILEAESGRKVQGNLLDKGKITAS  314
consensus                                      ***!**!!!*****!!*!*!!*!*!!*!*!*!*!!!*!!!*!***!!*!!!**!  **!*!*!***!*!*********!*
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NTDB id 1138888 DQM56 RS02860 WP 012515170.1   EDGVLHLNQEFIGANIVPEGTIFAQVYPEMKKGTVVKITGYLPSTEISSISIGDTARFSTKDDNGETLDLIVKLSSIDNA   400
NTDB id 422 SGO RS10255 WP 012131059.1         MDGLLHLNPEVQGSTLVAEGTALAQIYPKITNERKIKIVTYVSSKDVSTIKNGDKVRFITADDANKQMILTSQISSIDAN   397
NTDB id 248 KZH43 RS00225 WP 000801613.1       EDGVLHLNPETSDSSMVAEGTLLAQLYPSLEREGKAKLTAYLSSKDVARIKVGDSVRYTTTHDAGNQLFLDSTITSIDAT   394
NTDB id 207 SPD RS00240 WP 000801613.1         EDGVLHLNPETSDSSMVAEGTLLAQLYPSLEREGKAKLTAYLSSKDVARIKVGDSVRYTTTHDAGNQLFLDSTITSIDAT   394
NTDB id 172 SPR RS00235 WP 000801613.1         EDGVLHLNPETSDSSMVAEGTLLAQLYPSLEREGKAKLTAYLSSKDVARIKVGDSVRYTTTHDAGNQLFLDSTITSIDAT   394
NTDB id 132 SP RS00260 WP 000801611.1          EDGVLHLNPETSDSSMVAEGALLAQLYPSLEREGKAKLTAYLSSKYVARIKVGDSVRYTTTHDAGNQLFLDSTITSIDAT   394
NTDB id 512 SMSK321 RS10735 WP 000801634.1     EDGVLHLNPETSDSTMVAEGTLLAQLYPSLEKEGKAKLTAYLSSKDVARIKVGDSVRYTTTHDAKNQIFLDSTITSIDAT   394
NTDB id 484 SM12261 RS00280 WP 000801588.1     EDGVLHLNPETSDSTMVAEGALLAQLYPSLEKEGKVKLTAYLSSKDVARIKVGDSVRYTTTHDAKNQLFLDSTITSIDAT   394
consensus                                      *!!*!!!!*!******!*!!***!!*!!********!***!**!*****!**!!*!**!**!******!*****!!!**
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logo
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NTDB id 1138888 DQM56 RS02860 WP 012515170.1   ATKTKNGNYFKVESKLQLKEKEAQLLKYGLEGKFILITGTKSYLNYYIDKFIGEK   455
NTDB id 422 SGO RS10255 WP 012131059.1         ATQTKQGNFFKVECEMAVSKDQAKKLRYGLEGKFVMVTGEKTYFSYYMEKFFNLG   452
NTDB id 248 KZH43 RS00225 WP 000801613.1       ATKTEKGNFFKIEAETNLTSEQAEKLRYGVEGRLQMITGKKSYLRYYLDQFLNKE   449
NTDB id 207 SPD RS00240 WP 000801613.1         ATKTEKGNFFKIEAETNLTSEQAEKLRYGVEGRLQMITGKKSYLRYYLDQFLNKE   449
NTDB id 172 SPR RS00235 WP 000801613.1         ATKTEKGNFFKIEAETNLTSEQAEKLRYGVEGRLQMITGKKSYLRYYLDQFLNKE   449
NTDB id 132 SP RS00260 WP 000801611.1          ATKTEKGNFFKIEAETNLTSEQAEKLRYGVEGRLQMITGKKSYLRYYLDQFLNKE   449
NTDB id 512 SMSK321 RS10735 WP 000801634.1     ATKTEKGNFFKIEAETNLTSEQTEKLRYGVEGRLQMITGRKSYLRYYLDQFLNKE   449
NTDB id 484 SM12261 RS00280 WP 000801588.1     ATKTETGNFFKIEAETNLTSKQAAKLRYGVEGRLQMITGRKSYLRYYLDQFLNKE   449
consensus                                      !!*!**!!*!!*!*************!*!!*!!******!!*!*!**!!***!****
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X non conserved

X similar

X $\geq$ 50% conserved