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logo
NTDB id 108 BSU 35470 NP 391427.1          MNVPVEKNSSFSKELQQTLRSRHLLRTE.........LSFSDEMIEWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYH   75
NTDB id 277 KZH43 RS10090 WP 000867601.1   MKVN............LDYLGRLFTENELTE...................EERQLAEKLPAMRKEKGKLFCQRCNST.ILEEW.Y.   52
NTDB id 236 SPD RS10765 WP 000867601.1     MKVN............LDYLGRLFTENELTE...................EERQLAEKLPAMRKEKGKLFCQRCNST.ILEEW.Y.   52
NTDB id 202 SPR RS10250 WP 000867601.1     MKVN............LDYLGRLFTENELTE...................EERQLAEKLPAMRKEKGKLFCQRCNST.ILEEW.Y.   52
NTDB id 167 SP RS11275 WP 000867616.1      MKVN............LDYLGRLFTENELTE...................EERQLAEKLPAMRKEKGKLFCQRCNST.ILEEW.Y.   52
NTDB id 535 SMSK321 RS10515 WP 000867726.1 MKVN............PNYLGRLFTENELTK...................EERQLAEKLPAMRKEKGKLFCQRCDSA.ILDEW.Y.   52
NTDB id 507 SM12261 RS09240 WP 000867722.1 MKVN............PNYLGRLFTENELTE...................EERQLAEKLPAMRKEKGKLFCQRCNST.ILEEW.Y.   52
NTDB id 47564 CVCAS RS05465 WP 003130658.1 MSTNQ...........EKLFGRLLLKNDILQLIKNTDKISVSKIFSNFLLETKVNPILGMTSISSNKIKCNCCGTVHIKNSV.K.   72
NTDB id 593 KW2 RS05130 WP 021037147.1     MNLIL...........ENLLGHLLLEKDISAFNNFTDQV........NNENKLIKIGAMTSVNANKVRCNRCGTIHIKTNV.K.   63
consensus                                  !***             *************                  ********************!**!***  *****  *

logo
NTDB id 108 BSU 35470 NP 391427.1          SSGKNKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLFPGI  160
NTDB id 277 KZH43 RS10090 WP 000867601.1   .LPIGAYYCRECLLMKRVRSDQTLYYFPQEDFP..KQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVV  134
NTDB id 236 SPD RS10765 WP 000867601.1     .LPIGAYYCRECLLMKRVRSDQTLYYFPQEDFP..KQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVV  134
NTDB id 202 SPR RS10250 WP 000867601.1     .LPIGAYYCRECLLMKRVRSDQTLYYFPQEDFP..KQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVV  134
NTDB id 167 SP RS11275 WP 000867616.1      .LPIGAYYCRECLLMKRVRSDQTLYYFPQEDFP..KQDVLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQVV  134
NTDB id 535 SMSK321 RS10515 WP 000867726.1 .LPIGAYYCRECLLMKRVRSDQVLYYFPQEDFA..KQDILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQVV  134
NTDB id 507 SM12261 RS09240 WP 000867722.1 .LPIGTYYCRECLLMKRVRSDQSLYYFPQEDFP..KQDVLKWRGQLTPFQDKVSQGLLQAVDKQEPSLVHAVTGAGKTEMIYQVV  134
NTDB id 47564 CVCAS RS05465 WP 003130658.1 .LPIGVFYCPSCIQLGRVRSDEFLYFLPQKNFP..KKSYINWSGKLTENQKSISNALCQEINSHQQIIVQAVTGAGKTEMIYQVI  154
NTDB id 593 KW2 RS05130 WP 021037147.1    .LPIGAFFCPTCLELGRVRSDEYFYHLPQQDFP..EKTYLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQLI  145
consensus                                  *******!**!****!!******!********  ******!*!*!***!******!******* *****!!*!!!!!!!*****

logo
NTDB id 108 BSU 35470 NP 391427.1          ESALNQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDAFPYSADQT  245
NTDB id 277 KZH43 RS10090 WP 000867601.1   AKVINAGGAVCLASPRIDVCLELYKRLQQDFSC.GIALLHGESE.PYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPM  217
NTDB id 236 SPD RS10765 WP 000867601.1     AKVINAGGAVCLASPRIDVCLELYKRLQQDFSC.GIALLHGESE.PYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPM  217
NTDB id 202 SPR RS10250 WP 000867601.1     AKVINAGGAVCLASPRIDVCLELYKRLQQDFSC.GIALLHGESE.PYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPM  217
NTDB id 167 SP RS11275 WP 000867616.1      AKVINAGGAVCLASPRIDVCLELYKRLQQDFSC.GIALLHGESE.PYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPM  217
NTDB id 535 SMSK321 RS10515 WP 000867726.1 AKVINAGGAVCLASPRIDVCLELYKRLQDDFAC.EISLLYGESE.PYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFPYVDNPM  217
NTDB id 507 SM12261 RS09240 WP 000867722.1 AKVINAGGAVCLASPRIDVCLELYKRLQKDFAC.EIALLHGESE.PYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPM  217
NTDB id 47564 CVCAS RS05465 WP 003130658.1 EQILESGGVVGLASPRIDVCLELHQRLSRDFSC.KIPLLYHDGD.SYFRAPLIIMTSHQLLRFKEAFDLLIIDEVDAFPFRDNEM  237
NTDB id 593 KW2 RS05130 WP 021037147.1    EQILSHGGSVGLASPRIDVCIELHQRLSRDFTC.QIPLLYHEGD.SYFRSPLVVMTSHQLLRFKEAFDLLIIDEVDAFPFRDNDM  228
consensus                                  ******!**!**!*!!*!!**!!**!!* *!**  !**!***** *****!!***!*!!!!****!*!**!*!!!!!!!******

logo
NTDB id 108 BSU 35470 NP 391427.1          LQFAVQKARKKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIPPAVKRWIEFHVKEGR  330
NTDB id 277 KZH43 RS10090 WP 000867601.1   LYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAY  302
NTDB id 236 SPD RS10765 WP 000867601.1     LYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAY  302
NTDB id 202 SPR RS10250 WP 000867601.1     LYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAY  302
NTDB id 167 SP RS11275 WP 000867616.1      LYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAY  302
NTDB id 535 SMSK321 RS10515 WP 000867726.1 LYHAVKNSVKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLKSYIEKQRKTGY  302
NTDB id 507 SM12261 RS09240 WP 000867722.1 LYHAVKNSVKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLKSYIEKQRKTGY  302
NTDB id 47564 CVCAS RS05465 WP 003130658.1 LYVAAEKARKIEGNLIYLTATSTDKLEKDIKKQKLYPLFLPRRFHNFPLVVPKFFWKNKFDKKL.............IEQFNSGF  309
NTDB id 593 KW2 RS05130 WP 021037147.1    LYFALENAKKINGTLLYLTATSTDKLDKQIKKHEIKRLFLPRRFHGHPLVIPMFFWKKTFYKKF.............IEQRKTGF  300
consensus                                  !**!*****!*******!*!!** *!************ *!*!*!**!!**!***!*************************
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logo
NTDB id 108 BSU 35470 NP 391427.1          PVFLFVPSVSILEKAAACFKG..VHCRTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVTVPKVQTGVLGAESSIFTESAL   413
NTDB id 277 KZH43 RS10090 WP 000867601.1   PLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSL   387
NTDB id 236 SPD RS10765 WP 000867601.1     PLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSL   387
NTDB id 202 SPR RS10250 WP 000867601.1     PLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSL   387
NTDB id 167 SP RS11275 WP 000867616.1      PLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSL   387
NTDB id 535 SMSK321 RS10515 WP 000867726.1 PLLIFASEIKKGEQLKEILQKEFPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSL   387
NTDB id 507 SM12261 RS09240 WP 000867722.1 PLLIFASEIKKGEQLKEIIQEQFPNEKIGFVSSITENRLEQVQAFRDRELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSL   387
NTDB id 47564 CVCAS RS05465 WP 003130658.1 PLLIFAAEIEFGQEFAKQLQLKFPKEKIASVASTTKDRLEIVKAFRNKEITILIATSILERGVTFPNVDVFVINSEHPNFTKSAL   394
NTDB id 593 KW2 RS05130 WP 021037147.1     PLLIFVAEIDFGQDFAKNLQEKFPKEKMAFVASTTKSRKTIVEAFRKKQVSILITTSILERGVTFSSIDVFVINSEHPNFTKSAL   385
consensus                                  !***!**********************!******!***!**!!******!!*!*!!!!!!!*******!*******!!*!*!

logo
NTDB id 108 BSU 35470 NP 391427.1          VQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
NTDB id 277 KZH43 RS10090 WP 000867601.1   IQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 236 SPD RS10765 WP 000867601.1     IQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 202 SPR RS10250 WP 000867601.1     IQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 167 SP RS11275 WP 000867616.1      IQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 535 SMSK321 RS10515 WP 000867726.1 IQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
NTDB id 507 SM12261 RS09240 WP 000867722.1 IQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
NTDB id 47564 CVCAS RS05465 WP 003130658.1 IQMAGRVGRSPERPTGLVSFFHYGKSKAMCQAVREIKKMNQLGGFS....   440
NTDB id 593 KW2 RS05130 WP 021037147.1     IQMAGRVGRDSKRPTGLVSFFHSGKSLAMCQAQKEIKKMNRLGGF.....   430
consensus                                  *!**!!*!!******!****!!*!** ****!***!* !!*****
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X non conserved

X similar

X $\geq$ 50% conserved