```
logo
NTDB id 277 KZH43 RS10090 WP 000867601.1      ....MKVNLDY....LGRLFT......E......NELTEEERQLAEKLPAMRKEKGKLFCQRCNSTILEEWY......LP   54
NTDB id 236 SPD RS10765 WP 000867601.1        ....MKVNLDY....LGRLFT......E......NELTEEERQLAEKLPAMRKEKGKLFCQRCNSTILEEWY......LP   54
NTDB id 202 SPR RS10250 WP 000867601.1        ....MKVNLDY....LGRLFT......E......NELTEEERQLAEKLPAMRKEKGKLFCQRCNSTILEEWY......LP   54
NTDB id 167 SP RS11275 WP 000867616.1         ....MKVNLDY....LGRLFT......E......NELTEEERQLAEKLPAMRKEKGKLFCQRCNSTILEEWY......LP   54
NTDB id 983271 NSU11 RS17110 WP 279586125.1   ......MNMDKAMELMRQLHSRHLLTVETKCPQSNLDWLEEKGLVNRSPAIERKVNGFTCCRCGVSHKRYFAHSPCEVCQ   74
NTDB id 108 BSU 35470 NP 391427.1             MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSDEMIEWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYH..SSG   78
consensus                                         ***!***    ***!**       !      ***********************!*!*********      **

logo
NTDB id 277 KZH43 RS10090 WP 000867601.1      IGAYYCRECLLMKRVRSDQTLYYFPQEDF..PKQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQ  132
NTDB id 236 SPD RS10765 WP 000867601.1        IGAYYCRECLLMKRVRSDQTLYYFPQEDF..PKQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQ  132
NTDB id 202 SPR RS10250 WP 000867601.1        IGAYYCRECLLMKRVRSDQTLYYFPQEDF..PKQDVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQ  132
NTDB id 167 SP RS11275 WP 000867616.1         IGAYYCRECLLMKRVRSDQTLYYFPQEDF..PKQDVLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQ  132
NTDB id 983271 NSU11 RS17110 WP 279586125.1   KDCVYCRSCIMMGKVAECGFLYEWTGPQMVETCRAELTWQGELSKGQKRASERMIEAIKNKFDLLVWAVCGAGKTEVLFH  154
NTDB id 108 BSU 35470 NP 391427.1             KNKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLFP  158
consensus                                     ****!!!*!**!**!*****!!******   *****!*!*!*!***!*****************!**!!*!!!!!!****

logo
NTDB id 277 KZH43 RS10090 WP 000867601.1      VVAKVINAGGAVCLASPRIDVCLELYKRLQQDFSCG.I.ALLHGESEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAF  210
NTDB id 236 SPD RS10765 WP 000867601.1        VVAKVINAGGAVCLASPRIDVCLELYKRLQQDFSCG.I.ALLHGESEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAF  210
NTDB id 202 SPR RS10250 WP 000867601.1        VVAKVINAGGAVCLASPRIDVCLELYKRLQQDFSCG.I.ALLHGESEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAF  210
NTDB id 167 SP RS11275 WP 000867616.1         VVAKVINAGGAVCLASPRIDVCLELYKRLQQDFSCG.I.ALLHGESEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAF  210
NTDB id 983271 NSU11 RS17110 WP 279586125.1   GIEYALNQGMNVCIATPRTDVVLELEPRLRKAFQGVTITVLYGCSSQRFQITPLVITTTHQLMRYKNAFDVLIVDEVDAF  234
NTDB id 108 BSU 35470 NP 391427.1             GIESALNQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGCSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDAF  238
consensus                                     ******!*!**!!*!*!!*!!*!!!**!!***!*** ! *!**!*******!!***!!!!!*****!*!**!*!!!!!!

logo
NTDB id 277 KZH43 RS10090 WP 000867601.1      PYVDNPMLYHAVKNSVKE.NGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPK  289
NTDB id 236 SPD RS10765 WP 000867601.1        PYVDNPMLYHAVKNSVKE.NGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPK  289
NTDB id 202 SPR RS10250 WP 000867601.1        PYVDNPMLYHAVKNSVKE.NGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPK  289
NTDB id 167 SP RS11275 WP 000867616.1         PYVDNPMLYHAVKNSVKE.NGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPK  289
NTDB id 983271 NSU11 RS17110 WP 279586125.1   PYSMDERLQFAVLKAMRKNRGVRIYLSATPSKKMTREVSRGKLEAIKIPLRFHEQPLPVPTFHWIGHWKKKLKKNQLPPK  314
NTDB id 108 BSU 35470 NP 391427.1             PYSADQTLQFAVQKARKKN.STLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIPPA  317
consensus                                     !!*****!**!!******  *****!*!!***********!*!*****!*!*!**!!**!***!*******!**!***!*

logo
NTDB id 277 KZH43 RS10090 WP 000867601.1      LKSYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPC  369
NTDB id 236 SPD RS10765 WP 000867601.1        LKSYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPC  369
NTDB id 202 SPR RS10250 WP 000867601.1        LKSYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPC  369
NTDB id 167 SP RS11275 WP 000867616.1         LKSYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPC  369
NTDB id 983271 NSU11 RS17110 WP 279586125.1   VMNWMQRHIANKRRILLFVPSIATMKKVTKILREQSLN..VEGVSADDPDRKQKVQHFRDYVYDVLVTTTILERGVTIPN  392
NTDB id 108 BSU 35470 NP 391427.1             VKRWIEFHVKEGRPVFLFVPSVSILEKAAACFKGVHCR..TASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVTVPK  395
consensus                                     ****************!*********************!******!***!!*!!!*****!**!!!!!!!!!!*!*
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logo
NTDB id 277 KZH43 RS10090 WP 000867601.1      VDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL..........  432
NTDB id 236 SPD RS10765 WP 000867601.1        VDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL..........  432
NTDB id 202 SPR RS10250 WP 000867601.1        VDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL..........  432
NTDB id 167 SP RS11275 WP 000867616.1         VDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL..........  432
NTDB id 983271 NSU11 RS17110 WP 279586125.1   VQVGVLGSESTIFTESALVQISGRVGRHPDYCTGDVFLFHFGLTRSMKQAKKHIAKMNDTAAKEFSEKQCGFN  465
NTDB id 108 BSU 35470 NP 391427.1             VQTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD.....  463
consensus                                     !***!*******!!*!*!!*!!*!!******!!***!!*!***!***!*!*!**!!**!**
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X non conserved

X similar

X $\geq$ 50% conserved