```
logo
NTDB id 277 KZH43 RS10090 WP 000867601.1        ....MKVNLD....YLGRLFT......E......NELTEEERQLAEKLPAMRKEKGKLFCQRCNSTILEEWY......LP    54
NTDB id 236 SPD RS10765 WP 000867601.1          ....MKVNLD....YLGRLFT......E......NELTEEERQLAEKLPAMRKEKGKLFCQRCNSTILEEWY......LP    54
NTDB id 202 SPR RS10250 WP 000867601.1          ....MKVNLD....YLGRLFT......E......NELTEEERQLAEKLPAMRKEKGKLFCQRCNSTILEEWY......LP    54
NTDB id 1079993 ACKWCM RS16720 WP 409362645.1   .....MLNMDKAMELMRQLHSRHLLTVETKCPQSNLDWLEEKGLVNRSPAIERKANGFTCCRCGVSHKRYFAHSPCEVCQ    75
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 1079993 ACKWCM RS16720 WP 409362645.1   KDCVYCRSCIMMGKAAECGFLYEWTGPQMVETCRAELTWQGELSKGQKRASERMIEAIKNKFDLLVWAVCGAGKTEVLFH   155
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 1079993 ACKWCM RS16720 WP 409362645.1   GIEYALNQGMRVCIATPRTDVVLELEPRLRKAFQEVTITVLYGGSSQRFQITPLVITTTHQLMRYKNAFDVLIVDEVDAF   235
NTDB id 108 BSU 35470 NP 391427.1               GIESALNQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDAF   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 1079993 ACKWCM RS16720 WP 409362645.1   PYSMDERLQFAVLKAMRKNRGVRIYLSATPSKKMTREVSRGKLEAIKIPLRFHEQPLPVPTFHWIGHWKKKLKKNQLPPK   315
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 1079993 ACKWCM RS16720 WP 409362645.1   VMNWMHRHIANKRRILLFVPSIATMKKVTKILREQSLN..VEGVSADDPDRKQKVQHFRDYVYDVLVTTTILERGVTIPN   393
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 1079993 ACKWCM RS16720 WP 409362645.1    VQVGVLGSESTIFTESALVQISGRVGRHPDYCTGDVFLFHFGLTRSMKQAKKHIAKMNDTAAKEFSEKQCGFN   466
NTDB id 108 BSU 35470 NP 391427.1                VQTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD.....   463
consensus                                         !***!*******!!*!*!*!!*!!*!!******!!***!!*!***!***!*!*!**!!**!**
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X non conserved

X similar

X $\geq$ 50% conserved