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NTDB id 108 BSU 35470 NP 391427.1          MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSDEMI.EWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYHSSGKNKLYC   84
NTDB id 615 LCA RS02545 WP 011374200.1     MGQQ...........VIACGRQFTAAQLADTQN....NNYSLPQIKRRPAFLRVKHRLVCQRCQQVV.PPQT...CLPDGRHYC   65
NTDB id 593 KW2 RS05130 WP 021037147.1     MNLIL..........ENLLGHLLLEKDISAFNNFTDQVNNENKLIKIGAMTSVNANKVRCNRCGTIHIKTNV...KLPIGAFFC   71
NTDB id 277 KZH43 RS10090 WP 000867601.1   MKVN...........LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEW...YLPIGAYYC   60
NTDB id 236 SPD RS10765 WP 000867601.1     MKVN...........LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEW...YLPIGAYYC   60
NTDB id 202 SPR RS10250 WP 000867601.1     MKVN...........LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEW...YLPIGAYYC   60
NTDB id 167 SP RS11275 WP 000867616.1      MKVN...........LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEW...YLPIGAYYC   60
NTDB id 507 SM12261 RS09240 WP 000867722.1 MKVN...........PNYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEW...YLPIGTYYC   60
NTDB id 535 SMSK321 RS10515 WP 000867726.1 MKVN...........PNYLGRLFTENELT.........KEERQLAEKLPAMRKEKGKLFCQRCDSAI.LDEW...YLPIGAYYC   60
consensus                                  !***           * ************           ********************!*!!****  ****    *********!
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NTDB id 108 BSU 35470 NP 391427.1          RSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLFPGIESALNQGLR  169
NTDB id 615 LCA RS02545 WP 011374200.1     AQCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQGILVALQKGQR  150
NTDB id 593 KW2 RS05130 WP 021037147.1     PTCLELGRVRSDEYFYHLPQQDFPEK..TYLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQLIEQILSHGGS  154
NTDB id 277 KZH43 RS10090 WP 000867601.1   RECLLMKRVRSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGA  143
NTDB id 236 SPD RS10765 WP 000867601.1     RECLLMKRVRSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGA  143
NTDB id 202 SPR RS10250 WP 000867601.1     RECLLMKRVRSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGA  143
NTDB id 167 SP RS11275 WP 000867616.1      RECLLMKRVRSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGA  143
NTDB id 507 SM12261 RS09240 WP 000867722.1 RECLLMKRVRSDQSLYYFPQEDFPKQ..DVLKWRGQLTPFQDKVSQGLLQAVDKQEPSLVHAVTGAGKTEMIYQVVAKVINAGGA  143
NTDB id 535 SMSK321 RS10515 WP 000867726.1 RECLLMKRVRSDQVLYYFPQEDFAKQ..DILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQVVAKVINAGGA  143
consensus                                  **!****!*******!**********  **!*!*!*!***!*!*********************!*!!!!!!!***********!**
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NTDB id 108 BSU 35470 NP 391427.1          VCIATPRTDVVLELAPRLKAAFQQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDAFPYSADQTLQFAVQKAR  254
NTDB id 615 LCA RS02545 WP 011374200.1     VCLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFPFVDNPVLATAVEQAC  235
NTDB id 593 KW2 RS05130 WP 021037147.1     VGLASPRIDVCIELHQRLSRDFTCQI.PLLYHE.GDSYFRSPLVVMTSHQLLRFKEAFDLLIIDEVDAFPFRDNDMLYFALENAK  237
NTDB id 277 KZH43 RS10090 WP 000867601.1   VCLASPRIDVCLELYKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSV  226
NTDB id 236 SPD RS10765 WP 000867601.1     VCLASPRIDVCLELYKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSV  226
NTDB id 202 SPR RS10250 WP 000867601.1     VCLASPRIDVCLELYKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSV  226
NTDB id 167 SP RS11275 WP 000867616.1      VCLASPRIDVCLELYKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSV  226
NTDB id 507 SM12261 RS09240 WP 000867722.1 VCLASPRIDVCLELYKRLQKDFACEI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSV  226
NTDB id 535 SMSK321 RS10515 WP 000867726.1 VCLASPRIDVCLELYKRLQDDFACEI.SLLYGE.SEPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSV  226
consensus                                  !**!*!!**!**!!**!!* *!**** ****** ********!***!*!!!!****!*!**!*!!!!!!!******!**!*****
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NTDB id 108 BSU 35470 NP 391427.1          KKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIPPAVKRWIEFHVKEGRPVFLFVPSV  339
NTDB id 615 LCA RS02545 WP 011374200.1     KPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLERDCQTYL.KTQQILLFVPQV  319
NTDB id 593 KW2 RS05130 WP 021037147.1     KINGTLLYLTATSTDKLDKQIKKHEIKRLFLPRRFHGHPLVIPMFFWKKTFYKK.............FIEQRKTGFPLLIFVAEI  309
NTDB id 277 KZH43 RS10090 WP 000867601.1   KENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEI  311
NTDB id 236 SPD RS10765 WP 000867601.1     KENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEI  311
NTDB id 202 SPR RS10250 WP 000867601.1     KENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEI  311
NTDB id 167 SP RS11275 WP 000867616.1      KENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEI  311
NTDB id 507 SM12261 RS09240 WP 000867722.1 KENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLKSYIEKQRKTGYPLLIFASEI  311
NTDB id 535 SMSK321 RS10515 WP 000867726.1 KENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLKSYIEKQRKTGYPLLIFASEI  311
consensus                                  !*******!*!!** ************** *!*!*!***!**!**********************************!****
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NTDB id 108 BSU 35470 NP 391427.1          SILEKAAACFKGV..HCRTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVTVPKVQTGVLGAESSIFTESALVQIAGRTGR   422
NTDB id 615 LCA RS02545 WP 011374200.1     RLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQTQLMVTTTILERGVTFKNVAVLVLGAEHMVFNEAVLVQIAGRAGR   404
NTDB id 593 KW2 RS05130 WP 021037147.1     DFGQDFAKNLQEKFPKEKMAFVASTTKSRKTIVEAFRKKQVSILITTSILERGVTFSSIDVFVINSEHPNFTKSALIQMAGRVGR   394
NTDB id 277 KZH43 RS10090 WP 000867601.1   KKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGR   396
NTDB id 236 SPD RS10765 WP 000867601.1     KKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGR   396
NTDB id 202 SPR RS10250 WP 000867601.1     KKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGR   396
NTDB id 167 SP RS11275 WP 000867616.1      KKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGR   396
NTDB id 507 SM12261 RS09240 WP 000867722.1 KKGEQLKEIIQEQFPNEKIGFVSSITENRLEQVQAFRDRELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGR   396
NTDB id 535 SMSK321 RS10515 WP 000867726.1 KKGEQLKEILQKEFPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGR   396
consensus                                  **************************************!!**********!*!!!!!!!*******!********!****!*!**!!*!!
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NTDB id 108 BSU 35470 NP 391427.1          HKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
NTDB id 615 LCA RS02545 WP 011374200.1     HKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV   445
NTDB id 593 KW2 RS05130 WP 021037147.1     DSKRPTGLVSFFHSGKSLAMCQAQKEIKKMNRLGGF.....   430
NTDB id 277 KZH43 RS10090 WP 000867601.1   SMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 236 SPD RS10765 WP 000867601.1     SMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 202 SPR RS10250 WP 000867601.1     SMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 167 SP RS11275 WP 000867616.1      SMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 507 SM12261 RS09240 WP 000867722.1 SMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
NTDB id 535 SMSK321 RS10515 WP 000867726.1 SMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
consensus                                  ****************** ****!***!* *!******
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X non conserved
X similar
X ≥ 50% conserved