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logo
NTDB id 108 BSU 35470 NP 391427.1          MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSDEMI.EWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYHSSGKNKLYC   84
NTDB id 615 LCA RS02545 WP 011374200.1     ............MGQQVIACGRQFTAAQLADTQN....NNYSLPQIKRRPAFLRVKHRLVCQRCQQVV.PPQT...CLPDGRHYC   65
NTDB id 535 SMSK321 RS10515 WP 000867726.1 ............MKVNPNYLGRLFTENELTK.........EERQLAEKLPAMRKEKGKLFCQRCDSAI.LDEW...YLPIGAYYC   60
NTDB id 593 KW2 RS05130 WP 021037147.1     ...........MNLILENLLGHLLLEKDISAFNNFTDQVNNENKLIKIGAMTSVNANKVRCNRCGTIHIKTNV...KLPIGAFFC   71
consensus                                   * ** ******  * *** ***     * ** **** **** ** ***!*!!**** * **     *******!

logo
NTDB id 108 BSU 35470 NP 391427.1          RSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLFPGIESALNQGLR   169
NTDB id 615 LCA RS02545 WP 011374200.1     AQCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQGILVALQKGQR   150
NTDB id 535 SMSK321 RS10515 WP 000867726.1 RECLLMKRVRSDQVLYYFPQEDFAKQD..ILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQVVAKVINAGGA   143
NTDB id 593 KW2 RS05130 WP 021037147.1     PTCLELGRVRSDEYFYHLPQQDFPEKT..YLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQLIEQILSHGGS   154
consensus                                  **!****!** ****!* * *** **    *!*!*! !** !*!*  *** ********* !!*!!!!!!!****** *** !**

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NTDB id 108 BSU 35470 NP 391427.1          VCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDAFPYSADQTLQFAVQKAR   254
NTDB id 615 LCA RS02545 WP 011374200.1     VCLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFPFVDNPVLATAVEQAC   235
NTDB id 535 SMSK321 RS10515 WP 000867726.1 VCLASPRIDVCLELYKRLQDDFACEISLLYG..ESEPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSV   226
NTDB id 593 KW2 RS05130 WP 021037147.1     VGLASPRIDVCIELHQRLSRDFTCQIPLLYH..EGDSYFRSPLVVMISHQLLRFKEAFDLLIIDEVDAFPFRDNDMLYFALENAK   237
consensus                                  !**!*!!**!**!!**!!** !** ******* ***** ***!***!*!!!!** *!*!**!*!!!!!!!******!**!*****

logo
NTDB id 108 BSU 35470 NP 391427.1          KKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRF....VWCGNWKKKLNRNKIPPAVKRWIEFHVKEGRPVFLF   335
NTDB id 615 LCA RS02545 WP 011374200.1     KPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLERDCQTYLKT.....QQILLF   315
NTDB id 535 SMSK321 RS10515 WP 000867726.1 KENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKP....VWLSDFNRYLEKKCLSPKLKSYIEKQRKTGYPLLIF   307
NTDB id 593 KW2 RS05130 WP 021037147.1     KINGTLLYLTATSTDKLDKQIKKHEIKRLFLPRRFHGHPLVIPMF....FWKKTFYKK.............FIEQRKTGFPLLIF   305
consensus                                  ! ******!*!!***** **** * **** *!*!*!***!* !**     *!******** **** * ****** **********!

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NTDB id 108 BSU 35470 NP 391427.1          VPSVSILEKAAACFKG..VHCRTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVTVPKVQTGVLGAESSIFTESALVQIAG   418
NTDB id 615 LCA RS02545 WP 011374200.1     VPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNVAVLVLGAEHMVFNEAVLVQIAG   400
NTDB id 535 SMSK321 RS10515 WP 000867726.1 ASEIKKGEQLKEILQKEFPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGG   392
NTDB id 593 KW2 RS05130 WP 021037147.1     VAEIDFGQDFAKNLQEKFPKEKMAFVASTTKSRKTIVEAFRKKQVSILITTSILERGVTFSSIDVFVINSEHPNFTKSALIQMAG   390
consensus                                  ******   **  **  *********   *********!!*********!*!!!!!!!** ****!***** *!* **!*!**!

logo
NTDB id 108 BSU 35470 NP 391427.1          RTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
NTDB id 615 LCA RS02545 WP 011374200.1     RAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV   445
NTDB id 535 SMSK321 RS10515 WP 000867726.1 RVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
NTDB id 593 KW2 RS05130 WP 021037147.1     RVGRDSKRPTGLVSFFHSGKSLAMCQAQKEIKKMNRLGGF.....   430
consensus                                  !*!!*** ********* **** ** ! **!* *!******  *
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X non conserved
X similar
X $\geq$ 50% conserved