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logo
NTDB id 535 SMSK321 RS10515 WP 000867726.1   ............MKVNPNYLGRLFTENELTKEERQ.........LAEKLPAMRKEKGKLFCQRCDSAILDEW......YL   53
NTDB id 615 LCA RS02545 WP 011374200.1       ............MGQQVTACGRQFTAAQLADTQNNN....YSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQ....TC..L   58
NTDB id 363500 EQO03 RS07045 WP 128805256.1  ................MLAGKQLLLEELSSDLRKELSDLKKKGEVACVQGITKNASKYICQRCGNIEQRLFASFLCKRC   63
NTDB id 108 BSU 35470 NP 391427.1            MNVPVEKNSSFSKELQQTLRSRHLLRTELSFS.DEMIEWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYHS..S   77
consensus                                                * ** ** ***    *!*   ** *    * * * ********* * *!*!!*** ** *  * *  *

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NTDB id 535 SMSK321 RS10515 WP 000867726.1   PIGAYYCRECLLMKRVRSDQVLYYFPQEDFAKQD..ILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIY  131
NTDB id 615 LCA RS02545 WP 011374200.1       PDGRHYCAQCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLF  138
NTDB id 363500 EQO03 RS07045 WP 128805256.1  SKRCTYCRKCITMGRVSECTVLVRGIQERKEERELNQLQWKGVLSTGQELAAQGVIEAIKQKESFFIWAVCGAGKTEMLF  143
NTDB id 108 BSU 35470 NP 391427.1            GKNKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLF  157
consensus                                    **** !!* !****!**** *!**** *   **** *!*! !*!***!*********** * * ****!!*!!!!!!!**

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NTDB id 535 SMSK321 RS10515 WP 000867726.1   QVVAKVINAGGAVCLASPRIDVCLELYKRLQDDFAC.EISLLYGES.EPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDA  209
NTDB id 615 LCA RS02545 WP 011374200.1       QGILVALQKGQRVCLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDA  218
NTDB id 363500 EQO03 RS07045 WP 128805256.1  YGIAEALQKGERVCIATPRTDVVLELAPRLQEVFPNINIAALYGGSTDREKDAALVVATTHQLLRYYRAFHVMIVDEIDA  223
NTDB id 108 BSU 35470 NP 391427.1            PGIESALNQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDA  237
consensus                                    **** ****! *!!*!*!!**!*!!! *!!***!*  *!* **! ****** **!***!!!!!!*** !****!*!!*!!

logo
NTDB id 535 SMSK321 RS10515 WP 000867726.1   FPYVDNPMLYHAVKNSVKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPK  289
NTDB id 615 LCA RS02545 WP 011374200.1       FPFVDNPVLATAVEQACKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKR  298
NTDB id 363500 EQO03 RS07045 WP 128805256.1  FPYHADQMLQYAVQQAMKEKAARIYLTATPDEKWKRNFRKGNQKGIIVSGRYHRHPLPVPLFSWCGNWKKSLQHKKIPRV  303
NTDB id 108 BSU 35470 NP 391427.1            FPYSADQTLQFAVQKARKKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIPPA  317
consensus                                    !!**  **!**!!****!**** **!*!!******!*** **** * ***!*! **!**!********** !********

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NTDB id 535 SMSK321 RS10515 WP 000867726.1   LKSYIEKQRKTGYPLLIFASEIKKGEQLKEILQKEFPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPC  369
NTDB id 615 LCA RS02545 WP 011374200.1       LERDCQTYLK.TQQILLFVPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKN  377
NTDB id 363500 EQO03 RS07045 WP 128805256.1  LLQWLKIYVNKKHPIFLFVPHVRYIEEISLLLKEL..DNRIDGVHAEDSMRKEKVAAFRKGEIPLLVTTTILERGVTVKN  381
NTDB id 108 BSU 35470 NP 391427.1            VKRWIEFHVKEGRPVFLFVPSVSILEKAAACFKGV..HCRTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVTVPK  395
consensus                                    ****** *** * ** *!** ***** ** *** * ** ** ****** ********!!** * ****!!!!!!!!! **

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NTDB id 535 SMSK321 RS10515 WP 000867726.1   VDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....  432
NTDB id 615 LCA RS02545 WP 011374200.1       VAVLVLGAEHMVFNEAVLVQIAGRAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV  445
NTDB id 363500 EQO03 RS07045 WP 128805256.1  LQVAVLGAEEEIFSESALVQIAGRAGRSFEEPYGEVMYFHYGKTESMVRAKKHILSMNKNAKEQGLID  449
NTDB id 108 BSU 35470 NP 391427.1            VQTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD  463
consensus                                    ****!**!** *!****!*!!*!!*!!***** ***************!***!***!* * **   **
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X non conserved
X similar
X $\geq$ 50% conserved