```
logo
NTDB id 615 LCA RS02545 WP 011374200.1        ............MGQQVIACGRQFTAAQLADTQ....NNNYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQ....TC..L   58
NTDB id 151410 AC241 RS25745 WP 048564233.1   ................MLAGKQLLLDELSSDLQRELNDLKKKGEVVCVQGVKKKASKYVCKRCGNIEQRLFASFLCKRC   63
NTDB id 108 BSU 35470 NP 391427.1             MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSD.EMIEWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYHS..S   77
consensus                                                 * ** *****  *!* *    **   * * *   *** * * ***!*!!***** *  * *

logo
NTDB id 615 LCA RS02545 WP 011374200.1        PDGRHYCAQCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLF   138
NTDB id 151410 AC241 RS25745 WP 048564233.1  SKVCTYCRKCITMGRVSECAVLVRGIAERKREKNLNLLQWNGKLSTGQNLAAQGVVEAIKRKESFFIWAVCGAGKTEMLF   143
NTDB id 108 BSU 35470 NP 391427.1             GKNKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLF   157
consensus                                      * * !!* !***!!**!   !**  **   * ** *!*!*!*!***!**!!****!** ***  ***!!*!!!!!!!!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1        QGILVALQKGQRVCLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDA   218
NTDB id 151410 AC241 RS25745 WP 048564233.1  YGINEALQKGERVCIATPRTDVVLELAPRLQEVFPYIKVAALYGGSVDKEKDAVLVVATTHQLLRYYRAFHVMVVDEIDA   223
NTDB id 108 BSU 35470 NP 391427.1             PGIESALNQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDA   237
consensus                                       !!  !!**! !!!*!*!!**!*!!!*!!!***!    * ***!** ** * * !** !!!!!!*** !******!!*!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1        FPFVDNPVLATAVEQACKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKR   298
NTDB id 151410 AC241 RS25745 WP 048564233.1  FPYCADQMLQYAVKQAMKERAARIYLTATPDETWKRKFKKGEQKGVIVSGRYHRHPLPVPLFCWCGNWKKSLIHKRIPRV   303
NTDB id 108 BSU 35470 NP 391427.1             FPYSADQTLQFAVQKARKKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIPPA   317
consensus                                     !!* ****!**!! *! ! * ***!!*!!!   *!!*   ***  * ***!*!***!!*! * ***!!** ! * **!*

logo
NTDB id 615 LCA RS02545 WP 011374200.1        LERDCQTYLKT.QQILLFVPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKN   377
NTDB id 151410 AC241 RS25745 WP 048564233.1  LLQWLQTYLNKKHPIFLFVPHVRYIEEISLLLKSL..NKRIEGVHAEDSGRKEKVAAFRKGEIPLLVTTTILERGVTVKN   381
NTDB id 108 BSU 35470 NP 391427.1             VKRWIEFHVKEGRPVFLFVPSVSILEKAAACFKGV..HCRTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVTVPK   395
consensus                                     * ********   ***!!!! !**** **  ****    !****!!*!  ***!* *!! *** !**!!!!!!!!!!***

logo
NTDB id 615 LCA RS02545 WP 011374200.1        VAVLVLGAEHMVFNEAVLVQIAGRAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV   445
NTDB id 151410 AC241 RS25745 WP 048564233.1  LQVAVLGAEEIFSESALVQIAGRAGRSFEAPYGEVIYFHYGKTEAMVRAKKHIQGMNKNAKEQGLID   449
NTDB id 108 BSU 35470 NP 391427.1             VQTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
consensus                                     ****!!!!!  *!*!**!!!!!!!*!!***** **!*******!**** !***!* *!  ****  **
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X non conserved

X similar

X ≥ 50% conserved