```
logo
NTDB id 615 LCA RS02545 WP 011374200.1        ............MGQQVIACGRQFTAAQLADTQNN....NYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQ....TC..L    58
NTDB id 345645 EXW32 RS25635 WP 215586090.1   ................MLAGRQLLLEELSSDLQDKLDHLKKHREVVCMQGVIKKFSKYTCQRCGNIEQRLFASLLCKRC    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 345645 EXW32 RS25635 WP 215586090.1   NEVCTYCRKCITMGRVSECTVLVRGIAEISGESYLNPLQWEGVLSDGQELAAQSVVDAVKQKESFFIWAVCGAGKTEMLF   143
NTDB id 108 BSU 35470 NP 391427.1             GKNKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLF   157
consensus                                      * * !!* !***!!**!   !**  **   *  * *!*!*! !* *!**!!* *****  **  ***!!*!!!!!!!!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1        QGILVALQKGQRVCIATPRTDVVLELAPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDA   218
NTDB id 345645 EXW32 RS25635 WP 215586090.1   RGIAEALQKGERVCIATPRTDVVLELAPRLQEVFPNINVAALYGGSLDREKDAALIVATTHQLLRYYRAFHVMIVDEIDA   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 345645 EXW32 RS25635 WP 215586090.1   FPYHADKMLQYAVNEAMKEKAARIYLTATPDEKWKRKLRSGKQKGVIISGRYHRHPLPVPIFRWCGNWKKGLIRKKIPRA   303
NTDB id 108 BSU 35470 NP 391427.1             FPYSADQTLQFAVQKARKKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIPPA   317
consensus                                     !!* ** *!**!!* ! ! * ***!!*!!!   *!!**  ***  * ***!*!***!!*! * ***!!** ! * **!**

logo
NTDB id 615 LCA RS02545 WP 011374200.1        LERDCQTYLK.TQQILLFVPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKN   377
NTDB id 345645 EXW32 RS25635 WP 215586090.1   LLQWLNLYLSKRYPIFLFVPHVRYVEEISGLLKSL..NNQVDGVHAEDPARKEKVAAFRKGEIPLLVTTTILERGVTIKN   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 345645 EXW32 RS25635 WP 215586090.1   LQVAVLGAEEEIFSESALVQIAGRAGRSSDEPHGDVIYFHYGKTEAMVRAKKHIQSMNKNAKEQGLID   449
NTDB id 108 BSU 35470 NP 391427.1             VQTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
consensus                                     ****!!!!!  *!*!**!!!!!!!*!!***** **!*******!**** !***!***!  ****  **
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X non conserved

X similar

X ≥ 50% conserved