```
logo
NTDB id 615 LCA RS02545 WP 011374200.1          ............MGQQVIACGRQFTAAQLADT....QNNNYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQ....TC..L    58
NTDB id 1011598 ABS324 RS05205 WP 098616232.1   ................MLSGKQLLLEELSSDLQRELNDLKKKGEIVCVQVVKKKNSKYMCQRCGNVDRRLFASFLCKRC    63
NTDB id 108 BSU 35470 NP 391427.1               MNVPVEKNSSFSKELQQTLRSRHLLRTELSFS.DEMIEWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYHS..S    77
consensus                                                 * ** *****  *!* *    **   * * !   * * * * ***!*!!**** * *  * *

logo
NTDB id 615 LCA RS02545 WP 011374200.1          PDGRHYCAQCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLF   138
NTDB id 1011598 ABS324 RS05205 WP 098616232.1   SKVCTYCRKCITMGRVSECAVLVRGIAERKREKNSNLLQWNGTLSTGQNLAAQGVIEAIKQKESFFIWAVCGAGKTEMLF   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 1011598 ABS324 RS05205 WP 098616232.1   YGINEALQKGERVCIATPRTDVVLELAPRLQEVFPYIQVAALYGGSVDKEKDAVLVVATTHQLLRYYRAFHVMVVDEIDA   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 1011598 ABS324 RS05205 WP 098616232.1   FPYCADQMLQYAVKQAMKEKAARIYLTATPDETWKRKLKQGKQKGVIVSGRYHRHPLPVPLFCWCGNWKKNLIHKRIPRV   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 1011598 ABS324 RS05205 WP 098616232.1   LLQWLQTYLNKKFPIFLFVPHVRYIEEISLLLKPL..NNRIEGVHAEDPERKEKVAAFRKGEIPLLVTTTILERGVTVKN   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 1011598 ABS324 RS05205 WP 098616232.1   LQVAVLGAEEEIFSESALVQIAGRAGRSFEAPYGEVIYFHYGKTEAMVRAKKHIQGMNKNAKEQGLID   449
NTDB id 108 BSU 35470 NP 391427.1               VQTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
consensus                                        ****!!!!!  *!*!**!!!!!!!*!!***** **!*******!**** !***!* *!  ****  **
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X non conserved

X similar

X ≥ 50% conserved