```
logo
NTDB id 615 LCA RS02545 WP 011374200.1      ............MGQQVIACGRQFTAAQLADTQNN....NYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQ....TCL..   58
NTDB id 346101 EXW62 RS24260 WP 286675779.1 ................MVLAGRQLLLEELSSDLQDKLDHLKRNREVVCVQGVIKKSSKYMCQRCGNIEQRLFASFLCKRC   64
NTDB id 108 BSU 35470 NP 391427.1           MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSD.EMIEWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYHSS..   77
consensus                                                  **** *!***  *!* * ** **   **  *   ***** * ***!*!!****** *  * *

logo
NTDB id 615 LCA RS02545 WP 011374200.1      PDGRHYCAQCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLF   138
NTDB id 346101 EXW62 RS24260 WP 286675779.1 NKVCTYCRKCITMGRVSECAVLVRGIAEISGENYLNPLQWEGVLSAGQELAAQSVVDAVKQKESFFIWAVCGAGKTEMLF   144
NTDB id 108 BSU 35470 NP 391427.1           GKNKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLF   157
consensus                                    * * !!* !***!!**!   !**  **   ** * *!*!*! !* *!**!!* *****  **  ***!!*!!!!!!!!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      QGILVALQKGQRVCLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDA   218
NTDB id 346101 EXW62 RS24260 WP 286675779.1 RGIAEALQKGERVCIATPRTDVVLELAPRLQEVFPNINVAALYGGSLDREKDAALIVATTHQLLRYYRAFHVMIVDEIDA   224
NTDB id 108 BSU 35470 NP 391427.1           PGIESALNQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDA   237
consensus                                    !!  !!**! !!!*!*!!**!*!!!*!!!***!    * ***!** ** * * !** !!!!!!*** !****!*!!*!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      FPFVDNPVLATAVEQACKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKR   298
NTDB id 346101 EXW62 RS24260 WP 286675779.1 FPYHTDKMLHYAVNEAMKEEAARIYLTATPDEKWKRKLRNGKQKGVIISGRYHRQPLPVPIFRWCGNWKKGLMRKKIPRA   304
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 346101 EXW62 RS24260 WP 286675779.1 LLQWLNMYLSKRYPIFLFVPHVRYVEEISQLLKSL..NNQIDGVHAEDMARKEKVAAFRKGEIPLLVTTTILERGVTVKN   382
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 346101 EXW62 RS24260 WP 286675779.1 LQVAVLGAEEEIFSESALVQIAGRAGRSSDEPHGDVIYFHYGKTAAMVRAKKHIQSMNKNAKEQGLID   450
NTDB id 108 BSU 35470 NP 391427.1           VQTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
consensus                                   ****!!!!!  *!*!**!!!!!!!*!!***** **!*******!**** !***!***!  ****  **
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X non conserved

X similar

X ≥ 50% conserved