```
logo
NTDB id 615 LCA RS02545 WP 011374200.1        ............MGQQVIACGRQFTAAQLADTQNN....NYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQ....TC..L    58
NTDB id 346203 EXW51 RS25820 WP 215574151.1   ................MLAGRQLLLEELSSDLQDKLDHLKRNRDVVCVQGVIKKSSKYMCQRCGNIEQRLFASLLCKRC    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 346203 EXW51 RS25820 WP 215574151.1  NEVCTYCRKCITMGRVSECTVLVRGIAEISGESYLNPLQWEGILSDGQELAAQSVVDAVKQKESFFIWAVCGAGKTEMLF   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 346203 EXW51 RS25820 WP 215574151.1  HGIAEALQKGERVCIATPRTDVVLELAPRLQEVFPNINVAALYGGSLDREKDAALIVATTHQLLRYHRAFHVMIVDEIDA   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 346203 EXW51 RS25820 WP 215574151.1  FPYHADKMLQYAVNEAMKEKAARIYLTATPDEKWKRKLRSGKQKGVIISGRYHRHPLPVPIFRWCGNWKKGVIRKKIPRA   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 346203 EXW51 RS25820 WP 215574151.1  LLQWLNLYLSKRYPIFLFVPHVRYVEEISQLLKSL..NNQIDGVHAEDPARKEKVAAFRKGEIPLLVTTTILERGVTIKN   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 346203 EXW51 RS25820 WP 215574151.1  LQVAVLGAEEEIFSESALVQIAGRAGRSSDEPHGDVIYFHYGKTEAMVRAKKHIQSMNKNAKEQGLID   449
NTDB id 108 BSU 35470 NP 391427.1             VQTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
consensus                                     ****!!!!!  *!*!**!!!!!!!*!!***** **!*******!**** !***!***!  ****  **
```

X non conserved

X similar

X ≥ 50% conserved