```
logo
NTDB id 615 LCA RS02545 WP 011374200.1      ............MGQQVIACGRQFTAAQLADTQN....NNYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQT....C..L    58
NTDB id 345951 EXW52 RS25500 WP 215600795.1 ................MLAGRQLLLKELSSDLQDKLDHLKKNRDVVCVQGVIKKSSKYMCQRCGNIEQRLFASFLCKRC    63
NTDB id 108 BSU 35470 NP 391427.1           MNVPVEKNSSFSKELQQTLRSRHLLRTELSFS.DEMIEWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYHSSG.    78
consensus                                                 * ** *!***  *!* * ** **   **  *   ***** * ***!*!!****** *  * *

logo
NTDB id 615 LCA RS02545 WP 011374200.1      PDGRHYCAQCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLF   138
NTDB id 345951 EXW52 RS25500 WP 215600795.1 NEVCTYCRKCITMGRVSECAVLVRGIAEISGESYLNPLQWEGVLSDGQELAAQSVVDAVKQKESFFIWAVCGAGKTEMLF   143
NTDB id 108 BSU 35470 NP 391427.1           .KNKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLF   157
consensus                                    * * !!* !***!!**!   !**  **   *  * *!*!*! !* *!**!!* *****  **  ***!!*!!!!!!!!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      QGILVALQKGQRVCLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDA   218
NTDB id 345951 EXW52 RS25500 WP 215600795.1 RGIAEALQKGERVCIATPRTDVVLELAPRLQEVFPNIKVAALYGGSLDREKDAGLIVATTHQLLRYYRAFHVMIVDEIDA   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 345951 EXW52 RS25500 WP 215600795.1 FPYHADKMLQYAVSEAMKEKAARIYLTATPDEKWKRKLRSGKQKGVIISGRYHRHPLPVPIFRWCGNWKKGLIRKKIPRA   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 345951 EXW52 RS25500 WP 215600795.1 LLQWLNLYLSKRYPIFLFVPHVRYVEEISGLLKSL..NNQIDGVHAEDPARKEKVAAFRKGEIPLLVTTTILERGVTVKN   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 345951 EXW52 RS25500 WP 215600795.1 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