```
logo
NTDB id 615 LCA RS02545 WP 011374200.1        ............MGQQVIACGRQFTAAQLADT....QNNNYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQ....TC..L   58
NTDB id 159484 AQ980 RS03300 WP 000879427.1   ................MLAGKQLLLEELSSDLQRELNDLKKKGEIVCVQGVKKKNSKYMCQRCGNVDRRLFASFLCKRC   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 159484 AQ980 RS03300 WP 000879427.1   SKVCAYCRKCITMGRVSECAVLVRGIAERKREKNSNLLQWNGTLSTGQNLAAQGVIEAIKQKESFFIWAVCGAGKTEMLF   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 159484 AQ980 RS03300 WP 000879427.1   YGINEALQKGERVCIATPRTDVVLELAPRLQEVFPYIKVAALYGGSVDKEKDAVLVVATTHQLLRYYRAFHVMVVDEIDA   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 159484 AQ980 RS03300 WP 000879427.1   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 159484 AQ980 RS03300 WP 000879427.1   LLQWLQTYLNKKFPIFLFVPHVRYIEEISLLLKPL..NNRIEGVHAEDPGRKEKVAAFKKGEIPLLVTTTILERGVTVKN   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 159484 AQ980 RS03300 WP 000879427.1   LQVAVLGAEEMFSESALVQIAGRAGRSFEAPYGEVIYFHYGKTEAMVRAKKHIQGMNKNAKEQGLID   449
NTDB id 108 BSU 35470 NP 391427.1             VQTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
consensus                                     ****!!!!!  *!*!**!!!!!!!*!!***** **!*******!**** !***!* *!  ****  **
```

X non conserved

X similar

X ≥ 50% conserved