```
logo
NTDB id 615 LCA RS02545 WP 011374200.1      ............MGQQVIACGRQFTAAQLADTQN....NNYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQ....TC..L    58
NTDB id 1065921 ACHZK0 RS25280 WP 270340518.1 ................MLAGKQLLLEELSSDLRRELSGLKKMGEIVCIQGVTKKVSKYICQRCGNIEQRLFASFLCKRC    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 1065921 ACHZK0 RS25280 WP 270340518.1 SKVCAYCRKCITMGRVSECAVLVRGIAERKGEKGLNSLQWNGTLSIGQELAAQGVIEAIKQKDSFFIWAVCGAGKTEMLF   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 1065921 ACHZK0 RS25280 WP 270340518.1 YGIAEALQKGERVCIATPRTDVVLELAPRLQEVFPNINVAALYGGSADREKDAALVVATTHQLLRYYRAFHVMIVDEMDA   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 1065921 ACHZK0 RS25280 WP 270340518.1 FPYHADQMLQYAVQQAMKEKAAHIYLTATPDKKWKHNLRKGKQKGIIVSGRYHRHPLPVPQFCWCGNWKKSLHHKRIPRV   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 1065921 ACHZK0 RS25280 WP 270340518.1 LLQWLKMYVSKKYPVFLFVPHVRYIEEMSLLLKTL..DHRIDGVHAEDPMRKEKVAAFRKGEIPLLVTTTILERGVTVKN   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 1065921 ACHZK0 RS25280 WP 270340518.1 LQVAVLGAEEEIFSESALVQIAGRAGRSFEEPYGEIVYFHCGKTEAMVRAKKHIQSMNKKAKEQGLID   449
NTDB id 108 BSU 35470 NP 391427.1           VQTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
consensus                                    ****!!!!!  *!*!**!!!!!!!*!!***** ******* **!**** !***!***! *****  **
```

X non conserved

X similar

X ≥ 50% conserved