```
logo
NTDB id 615 LCA RS02545 WP 011374200.1      ....................MGQQVIACGRQFTAAQLADTQNNNYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQ....TC   57
NTDB id 339100 ESP47 RS00260 WP 014095892.1 ......MPSVFSEQLQRHLAGRILFEPEIPFSPELLD....QHFKQGWIRAEPAIQGEFPHCVCLRCGNRAPHLFAEFPC   70
NTDB id 108 BSU 35470 NP 391427.1           MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSDEMIE....WHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYH.   75
consensus                                           * **  **  * ** **  ** !* ****    *******!******   * * *!*!!**  *  *  * *

logo
NTDB id 615 LCA RS02545 WP 011374200.1      ..LPDGRHYCAQCLLFGRLVEGDWLYTVPE.CHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLIAVTGAGKT  134
NTDB id 339100 ESP47 RS00260 WP 014095892.1 AHCGKTSIYCRNCLMMGRVTACKPLITWAGPAPAFHSPRHPLHWDGTLSEGQQAASEAVKAAILQKNELLIWAVCGSGKT  150
NTDB id 108 BSU 35470 NP 391427.1           .SSGKNKLYCRSCVMMGRVSEEVPLYSWKEENESN.WKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKT  153
consensus                                       ** **!!**!***!!***  *!*** *    *     *!*!*! !* *!**!*********  * *****!!*!*!!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      EMLFQGILVALQKGQRVCLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVD  214
NTDB id 339100 ESP47 RS00260 WP 014095892.1 EIVFKGIEAALANGERVCIATPRTDVVLELAPRFRRVFPDIPIAALYGGSPDRHKWAQLVISTTHQLYRFASAFDVVIVD  230
NTDB id 108 BSU 35470 NP 391427.1           EMLFPGIESALNQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIID  233
consensus                                   !**! !!* !!**! !!!*!*!!**!*!!!*!!****!    ! ***!** ** ****!*!*!!!!!***  !*!**!*!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      EVDAFPFVDNPVLATAVEQACKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGR  294
NTDB id 339100 ESP47 RS00260 WP 014095892.1 EVDAFPYTFDETLQCAVQKAAKDRCARIYLTATPSETWQLECKTGKRPFVTIPARYHRKPLPVPVFKWAGNWRKKFEKGK  310
NTDB id 108 BSU 35470 NP 391427.1           EVDAFPYSADQTLQFAVQKARKKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNK  313
consensus                                   !!!!!!** * *!* !!**! ! *****!!*!!!*  ***    ***  * *!*!*!***!!*! * ***!!**** ***

logo
NTDB id 615 LCA RS02545 WP 011374200.1      LPKRLERDCQTYLK.TQQILLFVPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGV  373
NTDB id 339100 ESP47 RS00260 WP 014095892.1 LPVPVEAWVKKRLESGKQALLFLPNIRLMKKAEPVFKQLHP..AIESVHAEDPDRKEKVERMRAGKTPLLLTTTILERGV  388
NTDB id 108 BSU 35470 NP 391427.1           IPPAVKRWIEFHVKEGRPVFLFVPSVSILEKAAACFKGVHC..RTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGV  391
consensus                                   *!  *****   ** *****!!*!***** ***  ** ***  *****!!*!*****!*  *!**** !**!!!!!!!!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      TFKNVAVLVLGAEHMVFNEAVLVQIAGRAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV.   445
NTDB id 339100 ESP47 RS00260 WP 014095892.1 TFPNIDVCVVGAEDAIFTEAALVQIAGRAGRSADFPSGDVTFFHYGKSNAMVKAQRHILSMNEEAGKRGLLDA   461
NTDB id 108 BSU 35470 NP 391427.1           TVPKVQTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD.   463
consensus                                   !**** * !*!!!  *!*!**!!!!!!!*!!***** **! ********** ! **!***!* ****  **
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X non conserved

X similar

X ≥ 50% conserved