```
logo
NTDB id 615 LCA RS02545 WP 011374200.1      ....................MGQQVIACGRQFTAAQLADTQNNNYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQ....TC   57
NTDB id 251938 CG482 RS20725 WP 048723495.1 ..................MIQKGRQMLLHELSWSKEQLHDFISRG....EIVLEKGIVRKNSNYICQRCGNQEKRLFASFLC   60
NTDB id 108 BSU 35470 NP 391427.1           MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSDEMIEWHIKNG....YITAENSISINKRRYRCNRCGQTDQRYFSFYHS   76
consensus                                                    ******  ***** *** * * **     !  * **** * ***!*!!** * * *  * *

logo
NTDB id 615 LCA RS02545 WP 011374200.1      L..PDGRHYCAQCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTE  135
NTDB id 251938 CG482 RS20725 WP 048723495.1 KRCNQVCAYCRKCIMMGRVSECTMLVRSVCEGKQECFPHALQWKGVLSPGQNRAAKGVVEAIKQKESFFIWAVCGAGKTE  140
NTDB id 108 BSU 35470 NP 391427.1           S..GKNKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTE  154
consensus                                       * !!* !***!!**!   !**  **   *    *!*!*! !***!**!!*****!**  **  ***!!*!!!!!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      MLFQGILVALQKGQRVCLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDE  215
NTDB id 251938 CG482 RS20725 WP 048723495.1 MLFSGIDEALKNGKRVCIATPRKDVVLELAPRLQEVFPDIPFATLYGGSKEYEKEAMLIVTTTHQLLRYYRAFDVMIIDE  220
NTDB id 108 BSU 35470 NP 391427.1           MLFPGIESALNQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDE  234
consensus                                    !!! !!* !!**! !!!*!*!! *!*!!!*!!!***!    *  **!** *  * * !***!!!!!!*** !*!**!*!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      VDAFPFVDNPVLATAVEQACKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRL  295
NTDB id 251938 CG482 RS20725 WP 048723495.1 IDAFPYVMDHMLHEAVRKAAKEDASYIYLTATPEEKWKQSVQNGKQKGVIISGRYHRHPLPVPKLKWCGNWRKLLRRKQI  300
NTDB id 108 BSU 35470 NP 391427.1           VDAFPYSADQTLQFAVQKARKKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKI  314
consensus                                   *!!!!** * *!  !! *! ! * ***!!*!!!   *!* * ****  * ***!*!***!!*!*  ***!!** !** **

logo
NTDB id 615 LCA RS02545 WP 011374200.1      PKRLERDCQTYLKT.QQILLFVPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVT  374
NTDB id 251938 CG482 RS20725 WP 048723495.1 PQVLLDWLIYLQKHYPIFLFVPHICYVEEVTAVLQRL..HHKITGVHAEDPMRKEKVEAFRKGDIPLLITTTILERGVT  378
NTDB id 108 BSU 35470 NP 391427.1           PPAVKRWIEFHVKEGRPVFLFVPSVSILEKAAACFKGV..HCRTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVT  392
consensus                                   !  * ***  ***   ***!!!! * *** *** *  *  * ** **!!*!* ***!* *!! *** !**!!!!!!!!!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      FKNVAVLVLGAEHMVFNEAVLVQIAGRAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV   445
NTDB id 251938 CG482 RS20725 WP 048723495.1 VANLQVAVLGAEEDIFSESALVQIAGRVGRSSHNPKGEVIYFHYGKTKAMTAAKKHIQFMNKRAKREGLID   449
NTDB id 108 BSU 35470 NP 391427.1           VPKVQTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
consensus                                   * ****!!!!!  *!*!**!!!!!!! !!****** **!*******!*** *!***!* *! *****  **
```

X non conserved

X similar

X ≥ 50% conserved