```
logo
NTDB id 86447 KJS48 RS16535 WP 032876163.1  ....MSEGASEFSEVRDFFYGRHLLRSEIPFSDQRINGFI....EKEYITAEPSIIRRKNRYVCQRCGQSDQACFAAFWASFAKR   77
NTDB id 108 BSU 35470 NP 391427.1           MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSDEMIEWHI....KNGYITAENSISINKRRYRCNRCGQTDQRYFSFYHSS..GK   79
NTDB id 615 LCA RS02545 WP 011374200.1      ...................MGQQVIACGRQFTAAQLADTQNNNYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQT......CLPD   60
consensus                                       *    *   **     ********* !**  *   *       *!********* ! !**!*!!*!***  *  *  *   *

logo
NTDB id 86447 KJS48 RS16535 WP 032876163.1  QITYCRACVMMGRADELTSLYSWNQASENSWEPVKLSWEGTLTDGQKQAAAALTDAIKERQELLVWAVCGSGKTEMLFPGIEFAL  162
NTDB id 108 BSU 35470 NP 391427.1           NKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLFPGIESAL  164
NTDB id 615 LCA RS02545 WP 011374200.1      GRHYCAQCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQGILVAL  145
consensus                                   ** !!* !***!!* !   !!** *  *  *  *!!*!*! !* *! *!!********  * *****!!*!*!!!!!!!*!!* !!

logo
NTDB id 86447 KJS48 RS16535 WP 032876163.1  NHGLRVCVATPRTDVVLELLPRLKKAFEKVEVSALYGGSEDKGRLTPLMISTAHQLMRYRDIFDVVIIDEVDAFPFSADETLRFA  247
NTDB id 108 BSU 35470 NP 391427.1           NQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDAFPYSADQTLQFA  249
NTDB id 615 LCA RS02545 WP 011374200.1      QKGQRVCLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFPFVDNPVLATA  230
consensus                                   *  !*!!!*!*!!**!*!!!  !!!**!!   ******!**********!***!*!*!*!!!*****!**!*!!!!!!!**** *! *!

logo
NTDB id 86447 KJS48 RS16535 WP 032876163.1  VDKARKKNSALVYVTATPSDTLKKKAEAGLLKSVRIPARYHRKPLPEPRFLWCGNWKKKLQKGKLPRSVTDWVCQKLQLQLPVFL  332
NTDB id 108 BSU 35470 NP 391427.1           VQKARKKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIPPAVKRWIEFHVKEGRPVFL  334
NTDB id 615 LCA RS02545 WP 011374200.1      VEQACKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLERD.CQTYLKTQQILL  314
consensus                                   !**!*!****!*!**!!!*  *!*** **** ****!*!*!***!!!!******!!***!*****!* * ***** *    ***!

logo
NTDB id 86447 KJS48 RS16535 WP 032876163.1  FVPSVHVLKKTTDYFQKL..NIRAEGVHAEDTFRKDKVKRFRDGRLDLLVTTTILERGVTVPKVQTCVLGAEAPIFTESALVQIA  415
NTDB id 108 BSU 35470 NP 391427.1           FVPSVSILEKAAACFKGV..HCRTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVTVPKVQTGVLGAESSIFTESALVQIA  417
NTDB id 615 LCA RS02545 WP 011374200.1      FVPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNVAVLVLGAEHMVFNEAVLVQIA  399
consensus                                   !!!*! *! * *  *  *   *! **!!*!  ***!*  !!*****!**!!!!!!!!!!!***!** !!!!!  *!*!**!!!!!

logo
NTDB id 86447 KJS48 RS16535 WP 032876163.1  GRTGRHYKHFSGDVIMFHFGITNGMKKAKKHIEHMNKLAQKSKLLD   461
NTDB id 108 BSU 35470 NP 391427.1           GRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
NTDB id 615 LCA RS02545 WP 011374200.1      GRAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV   445
consensus                                   !!*!!!**** **!****** !**** !***!* *! ** **   **
```

X non conserved

X similar

X ≥50% conserved