```
logo
NTDB id 615 LCA RS02545 WP 011374200.1      ............MGQQVIACGRQFTAAQLADTQN...NNYSLPQIKRRPAFLRVKHRLVCQRCQQVV....PPQTCLP..   59
NTDB id 965196 NSQ23 RS14410 WP 339171696.1 .............MICLHLAGKQLLKSELSSSYD.......KQHVQIVESIVKTKQGYRCVRCNNDDQQLFASFPCARCG   60
NTDB id 108 BSU 35470 NP 391427.1           MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSDEMIEWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYH..SSG   78
consensus                                                 *** * ********!* * *          *    **** ! ***!*!!** **  *  * *   *

logo
NTDB id 615 LCA RS02545 WP 011374200.1      DGRHYCAQCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQ  139
NTDB id 965196 NSQ23 RS14410 WP 339171696.1 RTCMYCRKCIMMGRCSECNPLVIWIGPTPSTSFSSPLQWNGQLSPAQQLASHEVCHAIERNDSLLVWAVCGAGKTEVLFA  140
NTDB id 108 BSU 35470 NP 391427.1           KNKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLFP  158
consensus                                   * **!!* !***!!**!  *!*** *   *   * *!*!*!*!***!**!** ***** *** ****!!*!!!!!!*!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      GILVALQKGQRVCLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAF  219
NTDB id 965196 NSQ23 RS14410 WP 339171696.1 GINMALSHGKRVCIAAPRTDVVLELAPRLASVFPSVDMAALYGGSQDRGKLASLTVATTHQLLRYYHAFDVMIVDEVDAF  220
NTDB id 108 BSU 35470 NP 391427.1           GIESALNQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDAF  238
consensus                                   !! *!!* ! !!!*!*!!**!*!!!*!!! **! * ** ***!** ***** !** !!!!!!****!*!**!*!!!!!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      PFVDNPVLATAVEQACKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRL  299
NTDB id 965196 NSQ23 RS14410 WP 339171696.1 PYSVDPMLSYAVERARKPTSSLIYLTATPNEQWQREVKSGKRKAVTIPARYHRHPLPVPTFEWCGNWQKKWRNQRLPSCV  300
NTDB id 108 BSU 35470 NP 391427.1           PYSADQTLQFAVQKARKKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIPPAV  318
consensus                                   !** ***! *!!**!*!****!*!!*!!!   **! *  ***  * *!*!*!***!!*! * ***!!*********!  *

logo
NTDB id 615 LCA RS02545 WP 011374200.1      ERDCQTYL.KTQQILLFVPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNV  378
NTDB id 965196 NSQ23 RS14410 WP 339171696.1 VQWVHEHLERNKQAFLFVPHIDFLQQVVPFLQQFH..PRIEGVHAEDPKRKEKVLAFRRGQIPILVTTTILERGVTVPNV  378
NTDB id 108 BSU 35470 NP 391427.1           KRWIEFHVKEGRPVFLFVPSVSILEKAAACFKGVH..CRTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVTVPKV  396
consensus                                    ***  ** * ****!!!! * *!* **  *  **   !****!!*!* ***!* *!! *!* ***!!!!!!!!!!!***!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      AVLVLGAEHMVFNEAVLVQIAGRAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV......   445
NTDB id 965196 NSQ23 RS14410 WP 339171696.1 DVAVLGAEQPIFTESALVQIAGRVGRSAQYPTGDVRFFHFGKTKAMVAAKRHIELMNNEARKRGLINEMSHLS   451
NTDB id 108 BSU 35470 NP 391427.1           QTGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD......   463
consensus                                    **!!!!!  *!*!**!!!!!!! !!***!* **! ******!*****!***!* *!* ****  *
```

X non conserved

X similar

X ≥ 50% conserved