```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1390 A4U84 RS00055 WP 021115958.1       MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG   80
NTDB id 624 LCA RS00040 WP 011373726.1          ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG.D..READFINCVIWRKSAENFANFTKKGSLVGVDG   75
NTDB id 112 BSU 36310 NP 391512.2               ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG.E..IEADYVNCTLWRKTAENTALYCQKGSLVGVSG   75
NTDB id 1008604 ABNP42 RS21025 WP 025907886.1   ..MMNRVILVGRLTKDPELRYTPNGAAVATFTLAVNRAFTNQQG.E..READFINCVVWRRPAENVANFLKKGSLAGVDG   75
NTDB id 113 BSU 40900 NP 391970.1               ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG   75
consensus                                         **!*!**!!*!**!***!****!*!!*****!*******  * *  **********!*! !!* *****!!!***!*!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1390 A4U84 RS00055 WP 021115958.1       KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAP...AQTNYNQGGYSDNYAQNNNFNGGNATRP   157
NTDB id 624 LCA RS00040 WP 011373726.1          RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQQ.......SGFTSPQQTG.NAPAAN   147
NTDB id 112 BSU 36310 NP 391512.2               RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
NTDB id 1008604 ABNP42 RS21025 WP 025907886.1   RLQSRSYEGQDGRRVYVTEVVAESVQFLEPKSGGGDMQRN.....NFAN.......TGGSGQGSPFGDNQNRNSGNQGYT   143
NTDB id 113 BSU 40900 NP 391970.1               RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGG.....YNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGN.   149
consensus                                       ****!  ****!*****!!*************  **    *        *      *             **  ***  *   * *

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1390 A4U84 RS00055 WP 021115958.1       QPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1          NTQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2               ......................   113
NTDB id 1008604 ABNP42 RS21025 WP 025907886.1   RVDNDPFANNGETIDISDDDLPF   166
NTDB id 113 BSU 40900 NP 391970.1               SFNDDPFANDGKPIDISDDDLPF   172
consensus                                           ***** *  **********
```

X non conserved

X similar

X $\geq$ 50% conserved