```
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 144815 AAV53 RS13695 WP 003733722.1  ..MMNRVILVGRLTKDPDLRYTPAGAAVATFTLAVNRTFTNQQG.E..READFINCVVWRKPAENVANFLKKGSMAGVDG    75
NTDB id 113 BSU 40900 NP 391970.1             ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
NTDB id 112 BSU 36310 NP 391512.2             ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG.E..IEADYVNCTLWRKTAENTALYCQKGSLVGVSG    75
consensus                                       **!*!**!!*!**!***!***  !*!!*****!*******  * *  *********!*!* !!* *****!!!***!*!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNATRPQPA   160
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQ...NFNSNQ..SNGSQQSGFTSPQQTGNAPAANNTQ   150
NTDB id 144815 AAV53 RS13695 WP 003733722.1  RVQTRNYEGNDGKRVYVTEIVAESVQFLEPKLNAVEGSTPNNN...............QNEANYSNNNKNGSYRASSSQN   140
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEG...NSGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFN   152
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
consensus                                     ***!!******!*****!!*************  *  * *             *    * **  *  ** **        *

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     QKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1        ADPFANNGQAIDISDDDLPF   170
NTDB id 144815 AAV53 RS13695 WP 003733722.1  SDSFANEGKPIDISDDDLPF   160
NTDB id 113 BSU 40900 NP 391970.1             DDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2             ....................   113
consensus                                      ***** * ***********
```

X non conserved

X similar

X $\geq$ 50% conserved