```
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 402447 FOC55 RS05710 WP 002447969.1  ..MINRVVLVGRLTKDPEYRSTPSGVSVATFTLAVNRTFTNAQG.E..READFINVVVFRRQAENVNNYLSKGSLAGVDG    75
NTDB id 113 BSU 40900 NP 391970.1            ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
consensus                                      **!*!**!!*!**!***!***  !**!*****!********  *  *  *********!**!!!*  *****!!!***!*!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1    KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNATRPQPA   160
NTDB id 624 LCA RS00040 WP 011373726.1       RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNF...NSNQSNGSQQSG..FTSPQQTGNAPAANNTQ   150
NTDB id 112 BSU 36310 NP 391512.2            RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.........................................   113
NTDB id 402447 FOC55 RS05710 WP 002447969.1  RIQSRSYENQEGRRIFVTEVVADSVQFLEPKNAQGGQRHQGNNDFQ...DYGQGFGGSQSGQNTSY.NNNNNRASNNNQS   151
NTDB id 113 BSU 40900 NP 391970.1            RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNS...GGGQYFGGGQNDNPFGGNQNNQRRNQGNSFN   152
consensus                                    ****!  *****!*****!!*************   *   *             *  ** ** *      ***       **

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1    QKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1       ADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2            ......................   113
NTDB id 402447 FOC55 RS05710 WP 002447969.1  DNPFANANGPIDISDDDLPF   171
NTDB id 113 BSU 40900 NP 391970.1            DDPFANDGKPIDISDDDLPF   172
consensus                                      ****   ***********
```

X non conserved

X similar

X $\geq$ 50% conserved