logo

```
NTDB id 1390 A4U84 RS00055 WP 021115958.1    MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG   80
NTDB id 624 LCA RS00040 WP 011373726.1       ..MTNRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGKDDREADFINCVIWRKSAENFANFTKKGSLVGVDG   75
NTDB id 112 BSU 36310 NP 391512.2            ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEEIEADYVNCTLWRKTAENTALYCQKGSLVGVSG   75
NTDB id 296084 DM447 RS18130 WP 112182583.1  ..MLNRVVLVGRLTKDPDLRYTANGVAVANFTLAVNRPFSNQQGEERADFINCVVWRRPAENLANFMSKGSLVGVDG   75
NTDB id 113 BSU 40900 NP 391970.1            ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEERADFINCVTWRRQAENVANFLKKGSLAGVDG   75
consensus                                      **!*!**!!*!**!***!** *!*!!*****!********  * *  **********!*! !!* *****!!!***!*!
```

logo

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NTDB id 1390 A4U84 RS00055 WP 021115958.1    KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNATRPQPA  160
NTDB id 624 LCA RS00040 WP 011373726.1       RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQN..FN...SNQSNGSQQSGFTSPQQTGNAPAANNTQ  150
NTDB id 112 BSU 36310 NP 391512.2            RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.....................................  113
NTDB id 296084 DM447 RS18130 WP 112182583.1  RVQTRNFEGQDGKRVFVTEIVADSVQFLESKGSGGSNSQNSGQGMDGYN...K....AQDQ......NQSSNTNNSNGNE  142
NTDB id 113 BSU 40900 NP 391970.1            RLQTRNYENQQGQRVRVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGG...QYFGGGQNDNPFGGNQNNQRRNQGNSFN  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 296084 DM447 RS18130 WP 112182583.1  SDPFKDNGEPIDISDDDLPF   162
NTDB id 113 BSU 40900 NP 391970.1            DDPFANDGKPIDISDDDLPF   172
consensus                                     *****  *  **********
```

X non conserved

X similar

X ≥ 50% conserved