logo

```
NTDB id 1390 A4U84 RS00055 WP 021115958.1    MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG   80
NTDB id 624 LCA RS00040 WP 011373726.1       ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGQDDREADFINCVIWRKSAENFANFTKKGSLVGVDG   75
NTDB id 112 BSU 36310 NP 391512.2            ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEEIEADYVNCTLWRKTAENTALYCQKGSLVGVSG   75
NTDB id 964492 NSU02 RS19575 WP 094244812.1  ..MMNRVVLVGRLTRDPELRYTPSGVAVATFTLAVNRNFTNQQGEERDADFINCVVWRRPAENVANYLKKGSLAGVDG   75
NTDB id 113 BSU 40900 NP 391970.1            ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEERDADFINCVTWRRQAENVANFLKKGSLAGVDG   75
consensus                                      **!*!**!!*!**!***!***  !*!!*****!*****  * *  **********!*! !!* *****!!!***!*!
```

logo

```
NTDB id 1390 A4U84 RS00055 WP 021115958.1    KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQG.SGWNQAPAQ.TNYNQGGYSDNYAQNNNFNGGNATRPQ  158
NTDB id 624 LCA RS00040 WP 011373726.1       RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ.......QSGFTSPQQTGNAPAANN  148
NTDB id 112 BSU 36310 NP 391512.2            RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.....................................  113
NTDB id 964492 NSU02 RS19575 WP 094244812.1  RLQTRSYEDQTGRRVFVTEVVADSVQFLEPKSAAAGNNT.....GFFAGNQGNANPYGSA....PFDPNRNN...QNHQN  143
NTDB id 113 BSU 40900 NP 391970.1            RLQTRNYENQQGQRVRVTEVQAESVQFLEPKNGGGSGSG.....GYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNS  150
consensus                                    ***!! *****!*****!!*************  **   *     ***  **    *    *     *  ****       **
```

logo

```
NTDB id 1390 A4U84 RS00055 WP 021115958.1    PAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1       TQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2            ......................   113
NTDB id 964492 NSU02 RS19575 WP 094244812.1  FDDDPFANDGQPIDISDDDLPF   165
NTDB id 113 BSU 40900 NP 391970.1            FNDDPFANDGKPIDISDDDLPF   172
consensus                                      ***** * ***********
```

X non conserved

X similar

X ≥ 50% conserved