```
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 249000 CP943 RS00060 WP 003178024.1   ..MLNRVVLVGRLTKDPELRYTPSGAAVATFTLAVNRTFTNQQG.E..READFINCVVWRRQAENVANFLKKGSLAGVDG    75
NTDB id 113 BSU 40900 NP 391970.1             ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
consensus                                       **!*!**!!*!**!***!***  !*!!*****!*******  * *  *********$*!**!!* *****!!!***!*!
```

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logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQG.SGWNQAPAQTN.YNQGGYSDNYAQNNNFNGGNA....   154
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQQ............SGFTSPQQTGNA   143
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
NTDB id 249000 CP943 RS00060 WP 003178024.1   RLQTRSYENQQGQRVYVTEVQAESVQFLEPKG.GGSGSG.....GYSGGQ..GGQHFGGGQN....EPAPFGGSQNNQNR   143
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSG.....GYNEGNSGGGQYFGGGQ.....NDNPFGGNQNNQRR   145
consensus                                     ***!! *****!*****!!*************  ** * *     *** **  * *   **          * * **
```

```
logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1     .TRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1        PAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2             ............................   113
NTDB id 249000 CP943 RS00060 WP 003178024.1   NQGNSFNDDPFANDGKPIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1             NQGNSFNDDPFANDGKPIDISDDDLPF   172
consensus                                       **  * ***** * ***********
```

X non conserved
X similar
X ≥ 50% conserved