```
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 386912 F3L01 RS27925 WP 000981966.1   ..MMNRVILVGRLTKDPDLRYTPNGVAVATFTLAVNRAFANQQG.E..READFINCVIWRKQAENVANYLKKGSLAGVDG    75
NTDB id 113 BSU 40900 NP 391970.1             ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
consensus                                       **!*!**!!*!**!***!****!*!!*****!*****  *   *  *   *********!*!**!!*  *****!!!***!*!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNA......   154
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDG..........ASQNFNSNQSNGSQQSGFTSPQQTGN.AP   144
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.....................................   113
NTDB id 386912 F3L01 RS27925 WP 000981966.1   RLQTRNYEGQDGKRVYVTEVLAESVQFLEPRNGGGEQRGSF....NQQPSGAGF...GNQG....SNPFGQSSNSGNQGN   144
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGY....NEGNSGGGQYFGGGQN....DNPFGGNQNN.QRRN   146
consensus                                     ***!!*****!*****!!*************  **    *       *      *      * *       * *    **   *

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     TRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1        AANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2             ..........................   113
NTDB id 386912 F3L01 RS27925 WP 000981966.1   SGFTKNDDPFSNVGQPIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1             QGNSFNDDPFANDGKPIDISDDDLPF   172
consensus                                      *    * ***** * **********
```

X non conserved

X similar

X $\geq$ 50% conserved