```
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 983278 NSU11 RS19630 WP 007497456.1    ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
NTDB id 113 BSU 40900 NP 391970.1              ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
NTDB id 112 BSU 36310 NP 391512.2              ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG.E..IEADYVNCTLWRKTAENTALYCQKGSLVGVSG    75
consensus                                        **!*!**!!*!**!***!****!*!!*****!******* ** *  ********* *!**!!* *****!!!***!*!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1      KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGN.........QGSGWNQAPAQTNYNQGGYSDNYAQNNN...   148
NTDB id 624 LCA RS00040 WP 011373726.1         RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQQS.........GFT........SPQ   138
NTDB id 983278 NSU11 RS19630 WP 007497456.1    RLQTRNYENQQGQRVFVTEVQAESVQFLEPKSG.GAGSGG.....YSGGGNSGGQYYG.GSQNDQNPFGNEPSQNPYGNQ   148
NTDB id 113 BSU 40900 NP 391970.1              RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGG.....YNEGNSGGGQYFG.GGQND.NPFG........GNQ   140
NTDB id 112 BSU 36310 NP 391512.2              RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.........................................   113
consensus                                      ***!!******!*****!!*************  * * *      *   *  * *      *     *           *

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1      FNGGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1         QTGNAPAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 983278 NSU11 RS19630 WP 007497456.1    NNQNRNQGNSFNDDPFANDGKPIDISDDDLPF   180
NTDB id 113 BSU 40900 NP 391970.1              NNQRRNQGNSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2              ................................   113
consensus                                      **     **  * ***** * ***********
```

X non conserved

X similar

X $\geq$ 50% conserved