```
logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1  MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEGKLKTR   85
NTDB id 624 LCA RS00040 WP 011373726.1     ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG.D..READFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR   80
NTDB id 90792 TM2 RS18825 WP 007497456.1   ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
NTDB id 113 BSU 40900 NP 391970.1          ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
NTDB id 112 BSU 36310 NP 391512.2          ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG.E..IEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR   80
consensus                                   **!*!**!!*!**!***!****!*!!*****!******* ** *  ********* *!**!!* *****!!!***!*!***!!
```

```
logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1  KWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGN.........QGSGWNQAPAQTNYNQGGYSDNYAQNNN...FNGGNATRPQ   158
NTDB id 624 LCA RS00040 WP 011373726.1     NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQQS.........GFT........SPQQTGNAPAANN   148
NTDB id 90792 TM2 RS18825 WP 007497456.1   NYENQQGQRVFVTEVQAESVQFLEPKSG.GAGSGG.....YSGGGNSGGQYYG.GSQNDQNPFGNEPSQNPYGNQNNQNRNQGNS   158
NTDB id 113 BSU 40900 NP 391970.1          NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGG.....YNEGNSGGGQYFG.GGQND.NPFG........GNQNNQRRNQGNS   150
NTDB id 112 BSU 36310 NP 391512.2          SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................................   113
consensus                                  ******!*****!!*************  * * *      *   *  * *      *     *            ***     **
```

```
logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1  PAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1     TQADPFANNGQAIDISDDDLPF   170
NTDB id 90792 TM2 RS18825 WP 007497456.1   FNDDPFANDGKPIDISDDDLPF   180
NTDB id 113 BSU 40900 NP 391970.1          FNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2          ......................   113
consensus                                   * ***** * ***********
```

X non conserved
X similar
X ≥ 50% conserved