```
NTDB id 1166 A1552VC RS00795 WP 000168289.1   MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 277076 C6N67 RS00075 WP 106443629.1   .....MNHVSLIGRLTKEPELRYTTSGAAVASGTIAVNRDFTNANG...ERESDFINFVIWRKAAENFVNMTAKGSQVGL   72
NTDB id 624 LCA RS00040 WP 011373726.1        ....MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG...DREADFINCVIWRKSAENFANFTKKGSLVGV   73
NTDB id 113 BSU 40900 NP 391970.1             ....MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG...EREADFINCVTWRRQAENVANFLKKGSLAGV   73
consensus                                        **!*!*!*!*!******!!***!*!!*****!**********    ************** !!***** *!!! ***
```

```
NTDB id 1166 A1552VC RS00795 WP 000168289.1   EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGMNVPAQ.............QGSWGQPQQPAKQHQ   149
NTDB id 277076 C6N67 RS00075 WP 106443629.1   EGSWQTRSYENQQGQRVYVSELVVSNFTLVETKEQTEQRKG.QSAQQGNGGFKS.........TPSQNNFNGQ....QA..   137
NTDB id 624 LCA RS00040 WP 011373726.1        DGRLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQG.DGASQNFNSNQSNGSQ.......QSGFTSPQQTGNA..   143
NTDB id 113 BSU 40900 NP 391970.1             DGRLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGS......GGYNEGNSGGGQYFGGGQNDNPFGGNQNNQRR..   145
consensus                                     *!**!!!****!*!!*****!*******  *****  * *****    **  ***   **  * *         **  ******  * *
```

```
NTDB id 1166 A1552VC RS00795 WP 000168289.1   PMQQSAPQQYSQPQYNEPPMDFDDDIPF   177
NTDB id 277076 C6N67 RS00075 WP 106443629.1   PQQGSFSPNDMYGKD..LPPLNDDDLPF   163
NTDB id 624 LCA RS00040 WP 011373726.1        PAANNTQA.DPFANNGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1             NQGNSFND.DPFANDGKPIDISDDDLPF   172
consensus                                     *******  ********  *****!!!*!!
```

X non conserved
X similar
X ≥ 50% conserved