logo

```
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKKGSQVYI   80
NTDB id 210525 BUE77 RS04900 WP 075362520.1  ....MINRVVLVGRLTKDINLRKTQSGISVGLFTLAVNRQYSKDKE...HKEADFVSCIIWRKGAEILSQYTHKGSRIGI   73
NTDB id 624 LCA RS00040 WP 011373726.1       ....MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG...DREADFINCVIWRKSAENFANFTKKGSLVGV   73
NTDB id 113 BSU 40900 NP 391970.1            ....MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG...EREADFINCVTWRRQAENVANFLKKGSLAGV   73
NTDB id 112 BSU 36310 NP 391512.2            ....MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG...EIEADYVNCTLWRKTAENTALYCQKGSLVGV   73
consensus                                        **!*!*!*!*!**!***!** *!**!* ***!******** *   ************** !!* *** *!!!****
```

logo

```
NTDB id 1166 A1552VC RS00795 WP 000168289.1  EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGMNVPA...........QQGSWGQPQQPAKQHQ  149
NTDB id 210525 BUE77 RS04900 WP 075362520.1  DGRIQTRNYEDKNGQRVYVTEVVVDNFELLDSKPEQATTSAPVAQ...........................TQTTTQAQ  126
NTDB id 624 LCA RS00040 WP 011373726.1       DGRLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGAS.QNFNSNQSNGSQ.......QSGFTSPQQTGNAPA  145
NTDB id 113 BSU 40900 NP 391970.1            DGRLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSG......GYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQ  147
NTDB id 112 BSU 36310 NP 391512.2            SGRIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD........................................  113
consensus                                    *!**!!!*****!*****!!!***  *  **  *     *         *                  *   **     *
```

logo

```
NTDB id 1166 A1552VC RS00795 WP 000168289.1  PMQQSAPQQYSQPQYNEPPMDFDDDIPF  177
NTDB id 210525 BUE77 RS04900 WP 075362520.1  PAQQTPD.PF..ADGGDTIDISDDDLPF  151
NTDB id 624 LCA RS00040 WP 011373726.1       ANNTQAD.PF..ANNGQAIDISDDDLPF  170
NTDB id 113 BSU 40900 NP 391970.1            GNSFNDD.PF..ANDGKPIDISDDDLPF  172
NTDB id 112 BSU 36310 NP 391512.2            ............................  113
consensus                                      *    * **  ** *  *********
```

X non conserved
X similar
X ≥ 50% conserved