```
logo

NTDB id 1166 A1552VC RS00795 WP 000168289.1    MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 624 LCA RS00040 WP 011373726.1         ....MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG...DREADFINCVIWRKSAENFANFTKKGSLVGV   73
NTDB id 1109573 ACOCI8 RS05970 WP 096002306.1 ....MINRTILVGRLTRDPELRTTQSGVNVASFTLAVNRTFTNAQG...EREADFINVIVFKKQAENVNKYLSKGSLTGV   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    EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGMN.....VPAQQGSWGQPQQPAKQHQPMQQSA   155
NTDB id 624 LCA RS00040 WP 011373726.1         DGRLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQS..NGSQQSGFTSPQQTGNAP....AAN   147
NTDB id 1109573 ACOCI8 RS05970 WP 096002306.1 DGRLQTRNYENKEGQRVYVTEVIADSIQFLEPKNSNDTQQDLYQQQVQQT.................RGQSQYS....NNK   133
NTDB id 113 BSU 40900 NP 391970.1              DGRLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRN....QGN   149
NTDB id 112 BSU 36310 NP 391512.2              SGRIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
consensus                                      *!**!!!***** !*****!!!**********      **    *            *   *   **         *

logo

NTDB id 1166 A1552VC RS00795 WP 000168289.1    PQQYSQPQYNEPPM.DFDDDIPF   177
NTDB id 624 LCA RS00040 WP 011373726.1         NTQADPFANNGQAIDISDDDLPF   170
NTDB id 1109573 ACOCI8 RS05970 WP 096002306.1 PVKDNPFANANGPIEIDDNDLPF   156
NTDB id 113 BSU 40900 NP 391970.1              SFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2              ......................   113
consensus                                        *  ****   **** ******
```

X non conserved

X similar

X $\geq$ 50% conserved