```
logo

NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 409 SMU RS08940 WP 002263454.1       ....MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDG...EKQADFVNVVLWGRLAETIASYGSKGSLISL   73
NTDB id 53808 AXY RS01070 WP 015008932.1     ....MLNRVVLVGRLTRDPDLRYTASGRAVANFTIAVNRPFTNQQG...DKEADFINCVIWNKPAENLANYMSKGNLIGI   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  EGQLQTRKWGDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGMNVP...........AQQGSWGQPQQPAKQHQ  149
NTDB id 409 SMU RS08940 WP 002263454.1       DGELRTRKYEK.DGVTHFVTEVLGHSFQLLESRAQRAMRENNSE.................................  116
NTDB id 53808 AXY RS01070 WP 015008932.1     DGNLQSRSYDGQDGKRVFVTEVVAGSVQFLESKNKTASNQNNNQVM.KQ.......................TQN....NA  126
NTDB id 624 LCA RS00040 WP 011373726.1       DGRLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQ.NFNSNQSNGSQ.......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 409 SMU RS08940 WP 002263454.1       .............NDLADLVLEEEELPF   131
NTDB id 53808 AXY RS01070 WP 015008932.1     NE...NDAAFQYHEHIEPIDISDDELPF   151
NTDB id 624 LCA RS00040 WP 011373726.1       AN...NTQADPFANNGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1            GN...SFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2            ............................   113
consensus                                                *     * * ******
```

X non conserved

X similar

X $\geq$ 50% conserved