```
logo

NTDB id 1166 A1552VC RS00795 WP 000168289.1   MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 1130358 HKD36 RS16120 WP 100669047.1 ....MLNRIILIGRLTQDPELRYTPSGTPVAHFTLAVDRPRLNQM...GERETDFINIVVWQKLGELCAQYLRKGRLAAV   73
NTDB id 624 LCA RS00040 WP 011373726.1       ....MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNAN...GDREADFINCVIWRKSAENFANFTKKGSLVGV   73
NTDB id 113 BSU 40900 NP 391970.1            ....MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQS...GEREADFINCVTWRRQAENVANFLKKGSLAGV   73
NTDB id 112 BSU 36310 NP 391512.2            ....MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNAS...GEIEADYVNCTLWRKTAENTALYCQKGSLVGV   73
consensus                                        **!***!*!*!**!***!!***!**!* ***!***** *     ************** *!* *****!!*****

logo

NTDB id 1166 A1552VC RS00795 WP 000168289.1   EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGMNVPAQQ...........GSWGQPQQPAKQHQ   149
NTDB id 1130358 HKD36 RS16120 WP 100669047.1 EGRLQIRSYENREGQRVRVAEVVADNVRFLDRAGDREGGPSA.......................PPASGSGWPEEART   129
NTDB id 624 LCA RS00040 WP 011373726.1       DGRLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGD.GASQNFNSNQSNGSQ.......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   PMQQSAPQQYSQP.QYNEPPM.DFDDDIPF   177
NTDB id 1130358 HKD36 RS16120 WP 100669047.1 R.....STGMDDPFEGDATRIDISEDDLPF   154
NTDB id 624 LCA RS00040 WP 011373726.1       A.....NNTQADPFANNGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1            G.....NSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2            ..............................   113
consensus                                               ***   *  **********
```

X non conserved

X similar

X $\geq$ 50% conserved