```
logo

NTDB id 498 SM12261 RS01980 WP 000282464.1   MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGKLAESLASYATKGSLISVDGELRTRRFEKN   85
NTDB id 158 SP RS09595 WP 000282442.1        MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFEKN   85
NTDB id 36926 BMQ RS24840 WP 013059785.1     MINHIILVGRLTKKPELRYTHEGIAVSTITLAINRTFRNVEGEYDADFVNITLWRKNAENTAAYCDKGAVVGVVGRVQTRTFENN   85
NTDB id 624 LCA RS00040 WP 011373726.1       MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTRNYENQ   85
NTDB id 112 BSU 36310 NP 391512.2            MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTRSYENE   85
NTDB id 113 BSU 40900 NP 391970.1            MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTRNYENQ   85
consensus                                    ! !*****!!!!* **!**!  * *!*  **!*!! ***  !***!!**! **!** !!* ! *  !!****!*!***!! *!**

logo

NTDB id 498 SM12261 RS01980 WP 000282464.1   .GQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDL.............................................ADLVL   124
NTDB id 158 SP RS09595 WP 000282442.1        .GQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDL.............................................ADLVL   124
NTDB id 36926 BMQ RS24840 WP 013059785.1     LQQRVYMTDVVADAVKFLSGKPSGFSSFDSNQQEE.............................................        120
NTDB id 624 LCA RS00040 WP 011373726.1       QGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ.......QSGFTSPQQTGNAPAANNTQADPFANNGQAIDI   163
NTDB id 112 BSU 36310 NP 391512.2            EGVNVYVTEVLADTVRFMDPKPREKAAD....................................................   113
NTDB id 113 BSU 40900 NP 391970.1            QGQRVFVTEVQAESVQFLEPKNGGGSGSG.....GYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDPFANDGKPIDI   165
consensus                                     ** ***!*!* *    ** *                                                          * *

logo

NTDB id 498 SM12261 RS01980 WP 000282464.1   EEEELPF   131
NTDB id 158 SP RS09595 WP 000282442.1        EEEELPF   131
NTDB id 36926 BMQ RS24840 WP 013059785.1     .......   120
NTDB id 624 LCA RS00040 WP 011373726.1       SDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2            .......   113
NTDB id 113 BSU 40900 NP 391970.1            SDDDLPF   172
consensus                                     ******
```

X non conserved

X similar

X $\geq$ 50% conserved