```
logo
NTDB id 597 KW2 RS01935 WP 021036727.1        .MNKTMLIGRLTNAPEISKTTNNKSYVRVTLAVNRRFKNEKGEREADFISIILWGKSAETLVSYAKKGSLISVEGEIRTRNYTDK   84
NTDB id 40691 SPB RS09020 WP 003105619.1      MYNRVIMIGRLVADPQLIKTPKDKSVCRVSVAVNRRYKNAQGERQVDFVNLVLWGKLAESLVSYGSKGSLISLEGELRTRRYE.K   84
NTDB id 498 SM12261 RS01980 WP 000282464.1    MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGKLAESLASYATKGSLISVDGELRTRRFE.K   84
NTDB id 526 SMSK321 RS08825 WP 000282440.1    MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFE.K   84
NTDB id 268 KZH43 RS08520 WP 000282467.1      MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFE.K   84
NTDB id 227 SPD RS09110 WP 000282467.1        MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFE.K   84
NTDB id 193 SPR RS08685 WP 000282467.1        MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFE.K   84
NTDB id 158 SP RS09595 WP 000282442.1         MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFE.K   84
NTDB id 409 SMU RS08940 WP 002263454.1        MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDGEKQADFVNVVLWGRLAETIASYGSKGSLISLDGELRTRKYE.K   84
NTDB id 583 DLJ51 RS09560 WP 002962590.1      MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQDGERQADFVNVVFWGKLAESLVSYAGKGSLVSLDGEIRTRHYE.K   84
NTDB id 624 LCA RS00040 WP 011373726.1        MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTRNYENQ   85
NTDB id 112 BSU 36310 NP 391512.2             MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTRSYENE   85
consensus                                     **!*****!!!* **** *! ******* **!!!!*** **!****!******!***!!*******!!!!****!***!!*** *
```

```
logo
NTDB id 597 KW2 RS01935 WP 021036727.1        NEQKHYITEILGLSYDLLESRATLALRESAVKTE.........................................ELLLEADELPF   129
NTDB id 40691 SPB RS09020 WP 003105619.1      DGKNCYVTEVLCHTFQLLESRAQRAMRENNMTNDLSD......................................LVLDEEDDLPF   132
NTDB id 498 SM12261 RS01980 WP 000282464.1    NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDLAD......................................LVLEEE.ELPF   131
NTDB id 526 SMSK321 RS08825 WP 000282440.1    NGQMNYVAEVLVTGFQLLESRAQRAMRENNAGQDLAD......................................LVLEEE.ELPF   131
NTDB id 268 KZH43 RS08520 WP 000282467.1      NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDLAD......................................LVLEEE.ELPF   131
NTDB id 227 SPD RS09110 WP 000282467.1        NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDLAD......................................LVLEEE.ELPF   131
NTDB id 193 SPR RS08685 WP 000282467.1        NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDLAD......................................LVLEEE.ELPF   131
NTDB id 158 SP RS09595 WP 000282442.1         NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDLAD......................................LVLEEE.ELPF   131
NTDB id 409 SMU RS08940 WP 002263454.1        DGVTHFVTEVLGHSFQLLESRAQRAMRENNSENDLAD......................................LVLEEE.ELPF   131
NTDB id 583 DLJ51 RS09560 WP 002962590.1      DGQTHYVTEILAQSFQLLESRAQRALRENNGASDLTD......................................LVLEEE.ELPF   131
NTDB id 624 LCA RS00040 WP 011373726.1        QGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQQSGFTSPQQTGNAPAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2             EGVNVYVTEVLADTVRFMDPKPREKAAD...............................................   113
consensus                                     ***  ***!***  ********************                                      ****** ****
```

X non conserved

X similar

X $\geq$ 50% conserved