```
logo
```

```
NTDB id 498 SM12261 RS01980 WP 000282464.1   MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGKLAESLASYATKGSLISVDGELRTRRFEK.   84
NTDB id 526 SMSK321 RS08825 WP 000282440.1   MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFEK.   84
NTDB id 158 SP RS09595 WP 000282442.1        MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFEK.   84
NTDB id 268 KZH43 RS08520 WP 000282467.1     MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFEK.   84
NTDB id 227 SPD RS09110 WP 000282467.1       MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFEK.   84
NTDB id 193 SPR RS08685 WP 000282467.1       MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTRRFEK.   84
NTDB id 583 DLJ51 RS09560 WP 002962590.1     MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQDGERQADFVNVVFWGKLAESLVSYAGKGSLVSLDGEIRTRHYEK.   84
NTDB id 409 SMU RS08940 WP 002263454.1       MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDGEKQADFVNVVLWGRLAETIASYGSKGSLISLDGELRTRKYEK.   84
NTDB id 624 LCA RS00040 WP 011373726.1       MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTRNYENQ   85
NTDB id 112 BSU 36310 NP 391512.2            MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTRSYENE   85
NTDB id 274034 RK60 RS00905 WP 000934385.1   MLNRAVLVGRLTKDPELRSAPNGVNVGTFTLAVNRTFTNAQGEREADFINVVVFKKQAENVKNYLSKGSLAGVDGRLQTRSYENK   85
NTDB id 113 BSU 40900 NP 391970.1            MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTRNYENQ   85
consensus                                    !*!*****!!!* **** ** ****!** **!!!!*** **!***!!**!*******!!********!!!!****!***!!**!*
```

```
logo
```

```
NTDB id 498 SM12261 RS01980 WP 000282464.1   NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.............................................LADLVL   124
NTDB id 526 SMSK321 RS08825 WP 000282440.1   NGQMNYVAEVLVTGFQLLESRAQRAMRENNAGQD.............................................LADLVL   124
NTDB id 158 SP RS09595 WP 000282442.1        NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.............................................LADLVL   124
NTDB id 268 KZH43 RS08520 WP 000282467.1     NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.............................................LADLVL   124
NTDB id 227 SPD RS09110 WP 000282467.1       NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.............................................LADLVL   124
NTDB id 193 SPR RS08685 WP 000282467.1       NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.............................................LADLVL   124
NTDB id 583 DLJ51 RS09560 WP 002962590.1     DGQTHYVTEILAQSFQLLESRAQRALRENNGASD.............................................LTDLVL   124
NTDB id 409 SMU RS08940 WP 002263454.1       DGVTHFVTEVLGHSFQLLESRAQRAMRENNSEND.............................................LADLVL   124
NTDB id 624 LCA RS00040 WP 011373726.1       QGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGS.......QQSGFTSPQQTGNAPAANNTQADPFANNGQAIDI   163
NTDB id 112 BSU 36310 NP 391512.2            EGVNVYVTEVLADTVRFMDPKPREKAAD...................................................   113
NTDB id 274034 RK60 RS00905 WP 000934385.1   VGQRVFVTEVVADSVQFLEPKNNNQQPNNN.....YHQQRQT...........................QTGNNPFDN...TTAI   135
NTDB id 113 BSU 40900 NP 391970.1            QGQRVFVTEVQAESVQFLEPKNGGGSGSGG.....YNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDPFANDGKPIDI   165
consensus                                    *!*  *!*!***  ******************                                          ******
```

```
logo
```

```
NTDB id 498 SM12261 RS01980 WP 000282464.1   EEEELPF   131
NTDB id 526 SMSK321 RS08825 WP 000282440.1   EEEELPF   131
NTDB id 158 SP RS09595 WP 000282442.1        EEEELPF   131
NTDB id 268 KZH43 RS08520 WP 000282467.1     EEEELPF   131
NTDB id 227 SPD RS09110 WP 000282467.1       EEEELPF   131
NTDB id 193 SPR RS08685 WP 000282467.1       EEEELPF   131
NTDB id 583 DLJ51 RS09560 WP 002962590.1     EEEELPF   131
NTDB id 409 SMU RS08940 WP 002263454.1       EEEELPF   131
NTDB id 624 LCA RS00040 WP 011373726.1       SDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2            .......   113
NTDB id 274034 RK60 RS00905 WP 000934385.1   TDDDLPF   142
NTDB id 113 BSU 40900 NP 391970.1            SDDDLPF   172
consensus                                    *******
```

X non conserved
X similar
X ≥ 50% conserved