```
logo
```

```
NTDB id 624 LCA RS00040 WP 011373726.1      MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTRNYENQ  85
NTDB id 113 BSU 40900 NP 391970.1           MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTRNYENQ  85
NTDB id 597 KW2 RS01935 WP 021036727.1      .MNKTMLIGRLTNAPEISKTTNNKSYVRVTLAVNRRFKNEKGEREADFISIILWGKSAETLVSYAKKGSLISVEGEIRTRNYTDK  84
NTDB id 27840 SPYM RS00720 WP 003053955.1   MYNKVIAIGRLVAKPELVKTATDKHVARLSLAVNRRFKNASGEREADFISVVVWGKLAETLVSYASKGSLMSIDGELRTRKYD.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
consensus                                   **!*****!!!* **** *! ******* **!!!!*** **!***!!!*****!***!!******!!!!****!***!!*** *
```

```
logo
```

```
NTDB id 624 LCA RS00040 WP 011373726.1      QGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ.......QSGFTSPQQTGNAPAANNTQADPFANNGQAIDI  163
NTDB id 113 BSU 40900 NP 391970.1           QGQRVFVTEVQAESVQFLEPKNGGGSGS.....GGYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDPFANDGKPIDI  165
NTDB id 597 KW2 RS01935 WP 021036727.1      NEQKHYITEILGLSYDLLESRATLALRESAVK.....................................TEELLL  122
NTDB id 27840 SPYM RS00720 WP 003053955.1   DGQVHYVTEVLCQSFQLLESRAQRAMRENNVT.....................................NDLVDLVL  124
NTDB id 498 SM12261 RS01980 WP 000282464.1  NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....................................QDLADLVL  124
NTDB id 526 SMSK321 RS08825 WP 000282440.1  NGQMNYVAEVLVTGFQLLESRAQRAMRENNAG.....................................QDLADLVL  124
NTDB id 268 KZH43 RS08520 WP 000282467.1    NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....................................QDLADLVL  124
NTDB id 227 SPD RS09110 WP 000282467.1      NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....................................QDLADLVL  124
NTDB id 193 SPR RS08685 WP 000282467.1      NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....................................QDLADLVL  124
NTDB id 158 SP RS09595 WP 000282442.1       NGQMNYVTEVLVTGFQLLESRAQRAMRENNAG.....................................QDLADLVL  124
NTDB id 409 SMU RS08940 WP 002263454.1      DGVTHFVTEVLGHSFQLLESRAQRAMRENNSE.....................................NDLADLVL  124
NTDB id 583 DLJ51 RS09560 WP 002962590.1    DGQTHYVTEILAQSFQLLESRAQRALRENNGA.....................................SDLTDLVL  124
consensus                                   **** ***!***  ***!!************                                     ********
```

```
logo
```

```
NTDB id 624 LCA RS00040 WP 011373726.1      SDDDLPF  170
NTDB id 113 BSU 40900 NP 391970.1           SDDDLPF  172
NTDB id 597 KW2 RS01935 WP 021036727.1      EADELPF  129
NTDB id 27840 SPYM RS00720 WP 003053955.1   EEDTLPF  131
NTDB id 498 SM12261 RS01980 WP 000282464.1  EEEELPF  131
NTDB id 526 SMSK321 RS08825 WP 000282440.1  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 158 SP RS09595 WP 000282442.1       EEEELPF  131
NTDB id 409 SMU RS08940 WP 002263454.1      EEEELPF  131
NTDB id 583 DLJ51 RS09560 WP 002962590.1    EEEELPF  131
consensus                                   ****!!!
```

X non conserved
X similar
X ≥ 50% conserved