```
logo
```

```
NTDB id 498 SM12261 RS01980 WP 000282464.1    MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGKLAESLASYATKGSLISVDGELRTR   80
NTDB id 526 SMSK321 RS08825 WP 000282440.1    MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 158 SP RS09595 WP 000282442.1         MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 268 KZH43 RS08520 WP 000282467.1      MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 227 SPD RS09110 WP 000282467.1        MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 193 SPR RS08685 WP 000282467.1        MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR   80
NTDB id 583 DLJ51 RS09560 WP 002962590.1      MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQDGERQADFVNVVFWGKLAESLVSYAGKGSLVSLDGEIRTR   80
NTDB id 409 SMU RS08940 WP 002263454.1        MYNKVILIGRLVATPEMVKTPKDKSVTRVTLAVNRRFKSQDGEKQADFVNVVLWGRLAETIASYGSKGSLISLDGELRTR   80
NTDB id 375191 FP435 RS04670 WP 265482933.1   MINNVTLVGRLTKDPELRTTGSGNYVAMFTLAVERNYVDQQGNRKADFINCVLWRKAAETFCNYTSKGSLVGIVGSIQTR   80
NTDB id 624 LCA RS00040 WP 011373726.1        MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR   80
NTDB id 113 BSU 40900 NP 391970.1             MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
NTDB id 112 BSU 36310 NP 391512.2             MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR   80
consensus                                     !*!*!***!!!* **** *! ****!** **!!*!******!***!!**!***!***!!*******!!!!****!***!!
```

```
logo
```

```
NTDB id 498 SM12261 RS01980 WP 000282464.1    RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDLA.........................................   120
NTDB id 526 SMSK321 RS08825 WP 000282440.1    RFE.KNGQMNYVAEVLVTGFQLLESRAQRAMRENNAGQDLA.........................................   120
NTDB id 158 SP RS09595 WP 000282442.1         RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDLA.........................................   120
NTDB id 268 KZH43 RS08520 WP 000282467.1      RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDLA.........................................   120
NTDB id 227 SPD RS09110 WP 000282467.1        RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDLA.........................................   120
NTDB id 193 SPR RS08685 WP 000282467.1        RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDLA.........................................   120
NTDB id 583 DLJ51 RS09560 WP 002962590.1      HYE.KDGQTHYVTEILAQSFQLLESRAQRALRENNGASDLT.........................................   120
NTDB id 409 SMU RS08940 WP 002263454.1        KYE.KDGVTHFVTEVLGHSFQLLESRAQRAMRENNSENDLA.........................................   120
NTDB id 375191 FP435 RS04670 WP 265482933.1   NYDDKDGKKVFVTEVLVSEFTFLESRKERENRTNNSSN.....GESNS....................SQPMQTQKEPIDP   136
NTDB id 624 LCA RS00040 WP 011373726.1        NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ.......QSGFTSPQQTGNAPAANNTQADP   153
NTDB id 113 BSU 40900 NP 391970.1             NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSG.....GYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDP   155
NTDB id 112 BSU 36310 NP 391512.2             SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.........................................   113
consensus                                     *** **!*  *!*!**** ********************
```

```
logo
```

```
NTDB id 498 SM12261 RS01980 WP 000282464.1    ......DLVLEEEELPF   131
NTDB id 526 SMSK321 RS08825 WP 000282440.1    ......DLVLEEEELPF   131
NTDB id 158 SP RS09595 WP 000282442.1         ......DLVLEEEELPF   131
NTDB id 268 KZH43 RS08520 WP 000282467.1      ......DLVLEEEELPF   131
NTDB id 227 SPD RS09110 WP 000282467.1        ......DLVLEEEELPF   131
NTDB id 193 SPR RS08685 WP 000282467.1        ......DLVLEEEELPF   131
NTDB id 583 DLJ51 RS09560 WP 002962590.1      ......DLVLEEEELPF   131
NTDB id 409 SMU RS08940 WP 002263454.1        ......DLVLEEEELPF   131
NTDB id 375191 FP435 RS04670 WP 265482933.1   FTNTNGQVDISGDDLPF   153
NTDB id 624 LCA RS00040 WP 011373726.1        FANNGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1             FANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2             .................   113
consensus                                           ***********
```

X non conserved
X similar
X ≥ 50% conserved