```
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 79259 EsVE80 RS11175 WP 173103787.1   MINQVVLIGRLTKDPGLKYTANGQAAASFTLAVNRNFTNQNGEREADFINCVIWRKPAETLANYARKGTLLGVTGRIQTR   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    RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNA.GQDL.........................................   119
NTDB id 526 SMSK321 RS08825 WP 000282440.1    RFEK.NGQMNYVAEVLVTGFQLLESRAQRAMRENNA.GQDL.........................................   119
NTDB id 158 SP RS09595 WP 000282442.1         RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNA.GQDL.........................................   119
NTDB id 268 KZH43 RS08520 WP 000282467.1      RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNA.GQDL.........................................   119
NTDB id 227 SPD RS09110 WP 000282467.1        RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNA.GQDL.........................................   119
NTDB id 193 SPR RS08685 WP 000282467.1        RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNA.GQDL.........................................   119
NTDB id 79259 EsVE80 RS11175 WP 173103787.1   NYENQQGQRVYVTEVVVENFQLLESKNSNSSQNTRDTGVS..NNQT............NNYAPD..NQNATQT.NLGVNP   143
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    ......ADLVLEEEELPF   131
NTDB id 526 SMSK321 RS08825 WP 000282440.1    ......ADLVLEEEELPF   131
NTDB id 158 SP RS09595 WP 000282442.1         ......ADLVLEEEELPF   131
NTDB id 268 KZH43 RS08520 WP 000282467.1      ......ADLVLEEEELPF   131
NTDB id 227 SPD RS09110 WP 000282467.1        ......ADLVLEEEELPF   131
NTDB id 193 SPR RS08685 WP 000282467.1        ......ADLVLEEEELPF   131
NTDB id 79259 EsVE80 RS11175 WP 173103787.1   INDFEATTIDINDDDLPF   161
NTDB id 624 LCA RS00040 WP 011373726.1        F.ANNGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1             F.ANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2             ..................   113
consensus                                           ************
```

X non conserved
X similar
X ≥ 50% conserved