```
NTDB id 583 DLJ51 RS09560 WP 002962590.1     MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQDGERQADFVNVVFWGKLAESLVSYAGKGSLVSLDGEIRTR  80
NTDB id 498 SM12261 RS01980 WP 000282464.1   MYNKVIMIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGKLAESLASYATKGSLISVDGELRTR  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 158 SP RS09595 WP 000282442.1        MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR  80
NTDB id 526 SMSK321 RS08825 WP 000282440.1   MYNKVILIGRLTSTPELHKTNNDKSVARATIAVNRRYKDQNGEREADFVNMVLWGRLAETLASYATKGSLISVDGELRTR  80
NTDB id 392299 D1010 RS00305 WP 027828809.1  MINRVTLVGRLVRDVELKYTPGGTARAWFNLAVTRNFKNANGERDSDFIECTVWGKSAESFVNFTCKGSLVGIEGQIRTR  80
NTDB id 624 LCA RS00040 WP 011373726.1       MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR  80
NTDB id 113 BSU 40900 NP 391970.1            MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR  80
consensus                                    !*!*!***!!!********!***********!!*!******!*!**!!*****!***!!*******!!!!****!***!!
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NTDB id 583 DLJ51 RS09560 WP 002962590.1     HYEK.DGQTHYVTEILAQSFQLLESRAQRALRENNGAS.....................................  117
NTDB id 498 SM12261 RS01980 WP 000282464.1   RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.....................................  117
NTDB id 268 KZH43 RS08520 WP 000282467.1     RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.....................................  117
NTDB id 227 SPD RS09110 WP 000282467.1       RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.....................................  117
NTDB id 193 SPR RS08685 WP 000282467.1       RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.....................................  117
NTDB id 158 SP RS09595 WP 000282442.1        RFEK.NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQ.....................................  117
NTDB id 526 SMSK321 RS08825 WP 000282440.1   RFEK.NGQMNYVAEVLVTGFQLLESRAQRAMRENNAGQ.....................................  117
NTDB id 392299 D1010 RS00305 WP 027828809.1  SYEK.DGQKVYASAVSVDSFALLESKAITDARRAGQ.............PVTTA...................GKDDNVFV  128
NTDB id 624 LCA RS00040 WP 011373726.1       NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ.......QSGFTSPQQTGNAPAANNTQADP  153
NTDB id 113 BSU 40900 NP 391970.1            NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGS.....GGYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDP  155
consensus                                    **!* *!!*****************!!*****************
```

```
NTDB id 583 DLJ51 RS09560 WP 002962590.1     ...DLTDLVLEEEELPF   131
NTDB id 498 SM12261 RS01980 WP 000282464.1   ...DLADLVLEEEELPF   131
NTDB id 268 KZH43 RS08520 WP 000282467.1     ...DLADLVLEEEELPF   131
NTDB id 227 SPD RS09110 WP 000282467.1       ...DLADLVLEEEELPF   131
NTDB id 193 SPR RS08685 WP 000282467.1       ...DLADLVLEEEELPF   131
NTDB id 158 SP RS09595 WP 000282442.1        ...DLADLVLEEEELPF   131
NTDB id 526 SMSK321 RS08825 WP 000282440.1   ...DLADLVLEEEELPF   131
NTDB id 392299 D1010 RS00305 WP 027828809.1  AAGNGENIDIADDDLPF   145
NTDB id 624 LCA RS00040 WP 011373726.1       FANNGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1            FANDGKPIDISDDDLPF   172
consensus                                       ***********!!!
```

X non conserved
X similar
X ≥ 50% conserved