```
NTDB id 583 DLJ51 RS09560 WP 002962590.1      MYNKVILIGRLTAAPEMVKTPSNKSVTHITLAVNRRFKTQDGERQADFVNVVFWGKLAESLVSYAGKGSLVSLDGEIRTR   80
NTDB id 624 LCA RS00040 WP 011373726.1        MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR   80
NTDB id 113 BSU 40900 NP 391970.1             MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
NTDB id 964806 NSQ41 RS18375 WP 311066645.1   MINHVTLVGRLTKDPEIRYTSEGAPVANITLAVSRNFRNAAGEIDTDFVHCTLWRRTAENTANYCRKGSIVGVIGRIQTR   80
NTDB id 112 BSU 36310 NP 391512.2             MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR   80
consensus                                     !*!*!*!*!!!!*******!* ***!* ***!!*!  !*** !****!******!***!!* *** *!!!******!***!!
```

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NTDB id 583 DLJ51 RS09560 WP 002962590.1      HYEK.DGQTHYVTEILAQSFQLLESRAQRALRENNGASDLTDLVLEEEEL............................   129
NTDB id 624 LCA RS00040 WP 011373726.1        NYENQQGQRVYYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ.......QSGFTSPQQTGNAPAANNTQADP   153
NTDB id 113 BSU 40900 NP 391970.1             NYENQQGQRVFVTEVQAESVQFLEPKNGGGS.....GSGGYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDP   155
NTDB id 964806 NSQ41 RS18375 WP 311066645.1   NYENSEGKKVYYVTEVVADSVRFMGTPPQRIR.....ARELFDPESAPEQSEA..........................   127
NTDB id 112 BSU 36310 NP 391512.2             SYENEEGVNVYYVTEVLADTVRFMDPKPREKA.....AD.........................................   113
consensus                                     *!!* *!******!!!****** *****           **   *
```

```
NTDB id 583 DLJ51 RS09560 WP 002962590.1      ...............PF   131
NTDB id 624 LCA RS00040 WP 011373726.1        FANNGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1             FANDGKPIDISDDDLPF   172
NTDB id 964806 NSQ41 RS18375 WP 311066645.1   .................   127
NTDB id 112 BSU 36310 NP 391512.2             .................   113
consensus                                                    **
```

X non conserved
X similar
X $\geq$50% conserved