```
NTDB id 113 BSU 40900 NP 391970.1          MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR  80
NTDB id 344409 EW144 RS05930 WP 003669492.1 MLNRAVLTGRLTRDPELRYTTSGTAVVSFTLAVDRQFRNQNGDRDADFINCVIWRKSAENFSNFTHKGSLVGIEGRIQTR  80
NTDB id 624 LCA RS00040 WP 011373726.1     MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR  80
consensus                                  !*!!*!!*!!!!*!**!!!!**!*!!*!*!**!**!!*!*!*!**!*!*!!!!!!!*!!**!!!**!!**!!!!*!**!!*!!!
```

```
NTDB id 113 BSU 40900 NP 391970.1          NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGG.QYFGGGQ...NDNPFGGNQ.............NNQ  143
NTDB id 344409 EW144 RS05930 WP 003669492.1 NYENQQGNRVYVTEVVVDNFALLEPRQNGGMNQ.SGVQQPFNSNQQSFGAQAPQYGSQPQPGNNAPQSNPSPSMDNGFDP  159
NTDB id 624 LCA RS00040 WP 011373726.1     NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQS.NGSQQSGFTSPQQTGN.APAA.............  146
consensus                                  !!!!!!!*!!*!!!!***** *!!**** **  ** *  ******** *!***  * **** !!***
```

```
NTDB id 113 BSU 40900 NP 391970.1          RRNQGNSFNDDPFANDGKPIDISDDDLPF  172
NTDB id 344409 EW144 RS05930 WP 003669492.1 NQNA.GNQFPGSSDDGGQSIDLADDELPF  187
NTDB id 624 LCA RS00040 WP 011373726.1     .....NNTQADPFANNGQAIDISDDDLPF  170
consensus                                    *  ** * ***** !* !!**!!*!!!
```

X non conserved
X similar
X ≥ 50% conserved