```
logo
NTDB id 624 LCA RS00040 WP 011373726.1        MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTRNYENQ   85
NTDB id 112 BSU 36310 NP 391512.2             MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTRSYENE   85
NTDB id 116881 A410 RS12385 WP 088813818.1    MMNRVVLVGRLTKDPDLRYTPAGAAVATFTLAVNRPFKNAQGEQEADFINCVVWRKPAENVANFLKKGSMAGVDGRVQTRNYEDN   85
NTDB id 113 BSU 40900 NP 391970.1             MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTRNYENQ   85
consensus                                     !*!*!*!!!!!!*!**!!!!**!!!!*****!!!!*! !**!**!!!**!!**!!*!!!*!****!!!* !!*!!*!!!*!!**
```

```
logo
NTDB id 624 LCA RS00040 WP 011373726.1        QGQRVYVTEVVAESVQFLEPKNTTVSGSGGSYNYQNSNSNQ..SNGSQQSGFTSPQQTGNAPAANNTQADPFANNGQAIDISDDDL   168
NTDB id 112 BSU 36310 NP 391512.2             EGVNVYVTEVLADTVRFMDPKPREKAAD.............................................................   113
NTDB id 116881 A410 RS12385 WP 088813818.1    DGKRVFVTEVVAESVQFLEPKNNNVEGATSNNYQ............NKANYSNNNQTSSYRADTSQNRDSFANEGKPIDINPDDL   158
NTDB id 113 BSU 40900 NP 391970.1             QGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDPFANDGKPIDISDDDL   170
consensus                                     *!**!*!!!!************     * *  * **    *    * *   ** ****    **** * ******************
```

```
logo
NTDB id 624 LCA RS00040 WP 011373726.1        PF   170
NTDB id 112 BSU 36310 NP 391512.2             ..   113
NTDB id 116881 A410 RS12385 WP 088813818.1    PF   160
NTDB id 113 BSU 40900 NP 391970.1             PF   172
consensus                                     **
```

X non conserved

X similar

X $\geq$ 50% conserved