```
logo
NTDB id 624 LCA RS00040 WP 011373726.1      MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTRNYENQ   85
NTDB id 112 BSU 36310 NP 391512.2           MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTRSYENE   85
NTDB id 48489 LMOG RS11845 WP 014601288.1   MMNRVVLVGRLTKDPDLRYTPAGAAVATFTLAVNRTFTNQQGEREADFINCVVWRKPAENVANFLKKGSMAGVDGRIQTRNYEDN   85
NTDB id 113 BSU 40900 NP 391970.1           MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTRNYENQ   85
consensus                                   !*!*!*!!!!!!*!**!!!!**!!!!*****!!!!*!*! *!**!!!**!!**!!**!!!*!*****!!!* !!*!!*!!!*!!**
```

```
logo
NTDB id 624 LCA RS00040 WP 011373726.1      QGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQ..SNGSQQSGFTSPQQTGNAPAANNTQADPFANNGQAIDISDDDL   168
NTDB id 112 BSU 36310 NP 391512.2           EGVNVYVTEVLADTVRFMDPKPREKAAD.............................................................   113
NTDB id 48489 LMOG RS11845 WP 014601288.1   DGKRVFVTEVVAETVQFLEPKNNNAEGATSNNYQNQ............ANYSNTNQTSSYRADTSQKSDSFANEGKPIDINEDDL   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 48489 LMOG RS11845 WP 014601288.1   PF   160
NTDB id 113 BSU 40900 NP 391970.1           PF   172
consensus                                   **
```

X non conserved

X similar

X $\geq$ 50% conserved