logo

```
NTDB id 624 LCA RS00040 WP 011373726.1         MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR   80
NTDB id 112 BSU 36310 NP 391512.2              MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR   80
NTDB id 345061 Len3610 RS15665 WP 176448777.1  MLNRVVLVGRLTKDPDLRYTPNGVAVANFTIAVNRPFSNQQGNRDADFINCVVWRRAAENLATYMKKGSMIGVDGRLQSR   80
NTDB id 113 BSU 40900 NP 391970.1              MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
consensus                                      !*!*!*!!!!!!*!**!!!!**!*!!*****!!!!*!*! *!***!!**!!**!!**!!!*!****!!!**!!*!!*!*!
```

logo

```
NTDB id 624 LCA RS00040 WP 011373726.1         NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSN..QSNGSQQSGFTSPQ.QTGNAPAANNTQADPFANN  157
NTDB id 112 BSU 36310 NP 391512.2              SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD...............................................  113
NTDB id 345061 Len3610 RS15665 WP 176448777.1  TFEGRDGNTVFVTEVVADSVQFLESKGASQNRDQ...................QTSGFQSNQNQNQTNQNQSNENPFKDN  143
NTDB id 113 BSU 40900 NP 391970.1              NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGGQNDNPFGGNQ.NNQRRNQGNSFNDDPFAND  159
consensus                                      **!***!**!*!!!!!*********** ** ****     *         * * *** *** ****  *************
```

logo

```
NTDB id 624 LCA RS00040 WP 011373726.1         GQAIDISDDDLPF  170
NTDB id 112 BSU 36310 NP 391512.2              .............  113
NTDB id 345061 Len3610 RS15665 WP 176448777.1  GEPIDISDDDLPF  156
NTDB id 113 BSU 40900 NP 391970.1              GKPIDISDDDLPF  172
consensus                                      * ***********
```

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