```
logo

NTDB id 1045197 ACEPSS RS02115 WP 395319751.1  MINTVVLTGRLTRDVDLRYTQSGAAVGTFTLAVDRRFTSSNGDREADFVNCVIWRKPAENLANFVHKGSLIGVEGRLQTR   80
NTDB id 624 LCA RS00040 WP 011373726.1         MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR   80
NTDB id 113 BSU 40900 NP 391970.1              MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
NTDB id 112 BSU 36310 NP 391512.2              MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR   80
consensus                                      !*!*!*!*!!!!*!**!!!!**!!!!*****!!*!*!*** !**!!!**!!**!!*!!!*!****!!!!*!!*!!*!!!
```

```
logo

NTDB id 1045197 ACEPSS RS02115 WP 395319751.1  NYENKQGQRVYVTEVVVENFTFLEPRQNGSQPGNNNAGN.......AAPQQNPFGTPANNNFGGN.NNQNINKGSDNSAD  152
NTDB id 624 LCA RS00040 WP 011373726.1         NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQQSGFTSPQQT........GNAPAANNTQAD  152
NTDB id 113 BSU 40900 NP 391970.1              NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSG.....GYNEGNSGGGQYFGG.GQNDNPFGGNQNNQRRNQGNSFNDD  154
NTDB id 112 BSU 36310 NP 391512.2              SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................  113
consensus                                      *!!!**!**!*!!!!* ** ******* * ** *  * * **  **** ** ** ***** **** **** * **  ***
```

```
logo

NTDB id 1045197 ACEPSS RS02115 WP 395319751.1  PFA.GGDQIDISDDDLPF   169
NTDB id 624 LCA RS00040 WP 011373726.1         PFANNGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1              PFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2              ..................   113
consensus                                      **** *  **********
```

X non conserved
X similar
X ≥ 50% conserved