```
logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1   MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEGKLKTR   85
NTDB id 624 LCA RS00040 WP 011373726.1      ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDR...EADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR   80
NTDB id 112 BSU 36310 NP 391512.2           ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEI...EADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR   80
NTDB id 50275 HBHAL RS20045 WP 014645360.1  ..MLNRVVLVGRLTKDPDLRYTPNGVAVANFTIAVNRPFSNNQGGQ...DADFLNCVVWRRAAENLANFMNKGSLVGVDGRLQSR   80
NTDB id 113 BSU 40900 NP 391970.1           ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGER...EADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
consensus                                    **!*!**!!*!**!***!****!*!!*****!*******  **     **********!* !!* *****!!!***!*!****!

logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1   KWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAP..AQTNYNQGGYSDNYAQNNNFNGGNATRPQPAQKPAAQAE   168
NTDB id 624 LCA RS00040 WP 011373726.1      NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQG......DGASQNFNSNQSNGSQQSGFTSPQQ.TGNAPAANNTQADPFANNG   158
NTDB id 112 BSU 36310 NP 391512.2           SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................................   113
NTDB id 50275 HBHAL RS20045 WP 014645360.1  SFDNQEGKRVFVTEVVADSVQFLESKGSSSQ..GGSNRGGSG....YQANQNGQPSGNNFGSNNN....NNNNNQRDEDPFADNG   155
NTDB id 113 BSU 40900 NP 391970.1           NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGGQNDNP....FGGNQN.NQRRNQGNSFNDDPFANDG   160
consensus                                    *****!*****!!************* *      *    *  **   ** ****      ** ***         **   *****  *

logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1   PPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1      QAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2           ............   113
NTDB id 50275 HBHAL RS20045 WP 014645360.1  EPIDISDDDLPF   167
NTDB id 113 BSU 40900 NP 391970.1           KPIDISDDDLPF   172
consensus                                   ***********
```

X non conserved

X similar

X $\geq$ 50% conserved