```
logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1  MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEGKLKTR   85
NTDB id 624 LCA RS00040 WP 011373726.1     ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG.D..READFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR   80
NTDB id 112 BSU 36310 NP 391512.2          ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG.E..IEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR   80
NTDB id 38973 RSAU RS01605 WP 000934799.1  ..MLNRVVLVGRLTKDPEYRTTPSGVSVATFTLAVNRTFTNAQG.E..READFINCVVFRRQADNVNNYLSKGSLAGVDGRLQSR   80
NTDB id 113 BSU 40900 NP 391970.1          ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
consensus                                   **!*!**!!*!**!***!***  !**!*****!********  *  *  *********  **!**!**  *****!!!***!*!****!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1  KWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNATRPQPAQKPAAQAEPP   170
NTDB id 624 LCA RS00040 WP 011373726.1     NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNS...NQSNGSQQSG..FTSPQQTGNAPAANNTQADPFANNGQA   160
NTDB id 112 BSU 36310 NP 391512.2          SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................................   113
NTDB id 38973 RSAU RS01605 WP 000934799.1  NYENQEGRRVFVTEVVCDSVQFLEPKNAQQNGGQRQQNEFQDY...GQGFGGQQSG.....QNNSYNNSSNTKQSDNPFANANGP   157
NTDB id 113 BSU 40900 NP 391970.1          NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGG...GQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDPFANDGKP   162
consensus                                  ******!*****!!************      * *              *  ** **      ***              ****   *

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1  MDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1     IDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2          ..........   113
NTDB id 38973 RSAU RS01605 WP 000934799.1  IDISDDDLPF   167
NTDB id 113 BSU 40900 NP 391970.1          IDISDDDLPF   172
consensus                                  **********
```

X non conserved

X similar

X $\geq$ 50% conserved