```
logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1  MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEGKLKTR   85
NTDB id 624 LCA RS00040 WP 011373726.1     ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNAN.GD..READFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR   80
NTDB id 46661 MS7 RS10820 WP 000934769.1   ..MLNRTILVGRLTRDPELRTTQSGVNVASFTLAVNRTFTNAQ.GE..READFINIIVFKKQAENVNKYLSKGSLTGVDGRLQTR   80
NTDB id 113 BSU 40900 NP 391970.1          ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQS.GE..READFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
NTDB id 112 BSU 36310 NP 391512.2          ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNAS.GE..IEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR   80
consensus                                   **!****!!*!**!***!**  !**!*****!********  !*  *********#****!!* *****!!!***!*!***!!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1  KWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNAT.....RPQPAQKPAA   165
NTDB id 624 LCA RS00040 WP 011373726.1     NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQ........NFNSNQS..NGSQQSGFTSPQQTGNAPAANNTQADPFA   155
NTDB id 46661 MS7 RS10820 WP 000934769.1   NYENKEGQRVYVTEVIADSIQFLEPKNSNDTQQDLYQQQ........VQQT.................RGQSQYSNNKPVKDNPFA   141
NTDB id 113 BSU 40900 NP 391970.1          NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEG........NSGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDPFA   157
NTDB id 112 BSU 36310 NP 391512.2          SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................................   113
consensus                                  ******!*****!!************ *      *              * *          *   *   *               ***

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1  QAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1     NNGQAIDISDDDLPF   170
NTDB id 46661 MS7 RS10820 WP 000934769.1   NANGPIEIDDNDLPF   156
NTDB id 113 BSU 40900 NP 391970.1          NDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2          ...............   113
consensus                                  *   **** ******
```

X non conserved

X similar

X ≥ 50% conserved