```
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 242488 ssp1 RS11535 WP 002451520.1 ..MLNRVVLVGRLTKDPEYRTTPSGVSVATFTLAVNRTFTNAQG.E..READFINCVVFRRQAENVNNYLSKGSLAGVDGRIQSR   80
NTDB id 113 BSU 40900 NP 391970.1           ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
consensus                                    **!*!**!!*!**!***!*** !**!*****!******** * *  *********!**!**!!* *****!!!***!*!****!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1390 A4U84 RS00055 WP 021115958.1   KWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPA.QTNYNQGGYSDNYAQNNNFNGGNATRPQPAQKPAAQAEP   169
NTDB id 624 LCA RS00040 WP 011373726.1      NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDG...ASQNFN.SNQSNGSQQSG..FTSPQQTGNAPAANNTQADPFANNGQ   159
NTDB id 112 BSU 36310 NP 391512.2           SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................................   113
NTDB id 242488 ssp1 RS11535 WP 002451520.1 SYENQEGRRIFVTEVVCDSVQFLEPKNSQNGGGQRS...QNNEFQDYGQGFGGQQSGQNTSYN..NNSSRPNSNQSDNPFANANG   160
NTDB id 113 BSU 40900 NP 391970.1           NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGG....YNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDPFANDGK   161
consensus                                    *****!*****!!************* *   * *      **      *  ** ** *    ** *       *    ****

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1390 A4U84 RS00055 WP 021115958.1   PMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1      AIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2           ...........   113
NTDB id 242488 ssp1 RS11535 WP 002451520.1  PIDISDDDLPF   171
NTDB id 113 BSU 40900 NP 391970.1           PIDISDDDLPF   172
consensus                                   ***********
```

X non conserved

X similar

X $\geq$ 50% conserved