```
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 130298 JL58 RS00405 WP 038406365.1  ..MMNRVVLVGRLTKDPELRYTPAGVAVATFTLAVNRTFTNQQG.E..READFINCVVWRKPAENVANFLKKGSMAGVDGRVQTR   80
NTDB id 113 BSU 40900 NP 391970.1           ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
consensus                                    **!*!**!!*!**!***!***  !*!!*****!*******  * *  **********!* !!* *****!!!***!*!***!!

logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1   KWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGW.....NQAPAQTNYNQGGYSDNYAQNNNFNGG.....NATRPQPA   160
NTDB id 624 LCA RS00040 WP 011373726.1      NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGA......SQNFNSNQSN....G.....SQQSGFTSPQGTGNAPAANNTQ   150
NTDB id 112 BSU 36310 NP 391512.2           SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................................   113
NTDB id 130298 JL58 RS00405 WP 038406365.1  NYEGNDGKRVYVTEIVAESVQFLEPRNSSGGGGNNYQGGNTNNNSNYNNGGNNFGQAP.....TNNGGFAQDQGQSQNQNYQSTN   160
NTDB id 113 BSU 40900 NP 391970.1           NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGGQ.............NDNPFGGNQNNQRRNQGNSFN   152
consensus                                   ******!*****!!************* * * * *    *      **  ** *           **  *   **       *  *

logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1   QKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1      ADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2           ......................   113
NTDB id 130298 JL58 RS00405 WP 038406365.1  NDPFASDGKPIDISDDDLPF   180
NTDB id 113 BSU 40900 NP 391970.1           DDPFANDGKPIDISDDDLPF   172
consensus                                    ***** *  ***********
```

X non conserved

X similar

X $\geq$ 50% conserved