```
logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG    80
NTDB id 624 LCA RS00040 WP 011373726.1        ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG.D..READFINCVIWRKSAENFANFTKKGSLVGVDG    75
NTDB id 166477 AUL54 RS10840 WP 016937325.1   ..MLNRVVLVGRLTKDPELRYTPSGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
NTDB id 113 BSU 40900 NP 391970.1             ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
NTDB id 112 BSU 36310 NP 391512.2             ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG.E..IEADYVNCTLWRKTAENTALYCQKGSLVGVSG    75
consensus                                       **!*!**!!*!**!***!***  !*!!*****!******* ** *  ********* *!**!!* *****!!!***!*!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQG.SGWNQAPAQ.TNYNQGGYSDNYAQNNNFNGGNAT...   155
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ............QSGFTSPQQTGNA   143
NTDB id 166477 AUL54 RS10840 WP 016937325.1   RLQTRNYENQQGQRVFVTEVQAESVQFLEPKSG.GSGSG.....GYNEGNSGGGQYFGGGQN.....DNPFGGNQNSQRR   144
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSG.....GYNEGNSGGGQYFGGGQN.....DNPFGGNQNNQRR   145
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
consensus                                     ***!!******!*****!!**************  * * *     *** *** * **  **        * * * ***

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     ..RPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1        PAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 166477 AUL54 RS10840 WP 016937325.1   NQGNSFNDDPFANDGKPIDISDDDLPF   171
NTDB id 113 BSU 40900 NP 391970.1             NQGNSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2             ............................   113
consensus                                       **  * ***** * ***********
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X non conserved

X similar

X $\geq$ 50% conserved