```
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 112 BSU 36310 NP 391512.2             ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG.E..IEADYVNCTLWRKTAENTALYCQKGSLVGVSG    75
NTDB id 390940 F7984 RS18780 WP 066109692.1   ..MINRVILVGRLTKDPDLRYTPNGVPVSTFTLAVNRPFSNQQG.E..RETDFINCVVWRRQAENAANYLKKGNLAGVDG    75
NTDB id 113 BSU 40900 NP 391970.1             ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
consensus                                       **!*!**!!*!**!***!****!**!*****!*******  * *  *********!*!**!!* *****!!****!*!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQG.SGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNATRPQ.   158
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQS....NGSQQSG.......FTS.....PQQ   139
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.............................................   113
NTDB id 390940 F7984 RS18780 WP 066109692.1   RIQTRNYEGQDGKRVYVTEVLAESVQFLEPKGSSAG.............EK....SGGSQY.GGHDTNPFGQGNSNQNQN   137
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSG.....GYNEGNS....GGGQYFGGGQNDNPFGGNQNNQRRN   146
consensus                                     ***!!*****!*****!!************ * *   *       **         **          * *   *    **

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     .........PAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1        TGNAPAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2             ................................   113
NTDB id 390940 F7984 RS18780 WP 066109692.1   QRKDSNYTKIDDDPFSSNGQTIDISDDDLPF   168
NTDB id 113 BSU 40900 NP 391970.1             .....QGNSFNDDPFANDGKPIDISDDDLPF   172
consensus                                               ***** *  **********
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X non conserved

X similar

X $\geq$ 50% conserved