```
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 406403 GPA07 RS01220 WP 157291889.1  ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.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     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWN............QAPAQTNYNQGGYSDNYAQNNN   148
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDG......ASQNFNSNQSNG......SQQSGFTSPQQ.TGN   142
NTDB id 406403 GPA07 RS01220 WP 157291889.1  RLQTRNYENQQGQRVFVTEVQAESVQFLEPKSG.GACSGGYSGGGNSGGQYYGGSQNDQNPFGNEPNQSQY.GNQN.NQN   152
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGGQND.NPFG........GNQN.NQR   144
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
consensus                                     ***!!******!*****!!*************  * * *    *   * * *   *    *     **  *  *** ***

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     FNGGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1        APAAN....NTQADPFANNGQAIDISDDDLPF   170
NTDB id 406403 GPA07 RS01220 WP 157291889.1  RNQGN....SFNDDPFANDGKPIDISDDDLPF   180
NTDB id 113 BSU 40900 NP 391970.1             RNQGN....SFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2             ................................   113
consensus                                      * **      * ***** * ***********
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X non conserved

X similar

X $\geq$ 50% conserved