```
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 202041 BS1321 RS12365 WP 057914129.1   ..MMNRVVLVGRLTKDPELRYTPNGVPVATFTLAVNRGFTNQQG.E..READFINCVVWRKPAENVANFLKKGSLAGVDG   75
NTDB id 113 BSU 40900 NP 391970.1              ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG   75
consensus                                        **!*!**!!*!**!***!****!**!*****!*******  * *  **********!* !!* *****!!!***!*!

logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1      KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYN..QGGYSDNYAQNNNFNGGN.ATRP   157
NTDB id 624 LCA RS00040 WP 011373726.1         RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGA........SQNFNSNQSNGSQQSGFTSPQQTGNAPAAN   147
NTDB id 112 BSU 36310 NP 391512.2              RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.........................................   113
NTDB id 202041 BS1321 RS12365 WP 057914129.1   RVQTRNYEGQDGKRVYVTEILAESVQFLEPRSSSAGE...RNEGGSYGGGQKSYGNNNGNDNNSYGQNPNQNQRSNNNYT   152
NTDB id 113 BSU 40900 NP 391970.1              RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGN.SGGGQY.FG..GGQNDNPFGGNQNN..QRRNQGN   149
consensus                                      ***!!******!*****!!************** *    *    *    * **  *   ***  * ** * ***

logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1      QPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1         NTQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2              ......................    113
NTDB id 202041 BS1321 RS12365 WP 057914129.1   RVDDDPFANDGKTIDISDDDLPF   175
NTDB id 113 BSU 40900 NP 391970.1              SFNDDPFANDGKPIDISDDDLPF   172
consensus                                          ***** *  **********
```

X non conserved

X similar

X $\geq$ 50% conserved