```
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 987048 NYE63 RS28415 WP 076368498.1   ..MMNRVVLVGRLTKDPELRYTPNGVPVATFTLAVNRGFTNQQG.E..READFINCVVWRKPAENVANFLKKGSLAGVDG    75
NTDB id 113 BSU 40900 NP 391970.1             ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
consensus                                       **!*!**!!*!**!***!****!**!*****!********  * *  *********!*!* !!* *****!!!***!*!
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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 987048 NYE63 RS28415 WP 076368498.1   RVQTRNYEGQDGKRVYVTEILAESVQFLEPRSSSAGE...RNEGGSYGGGQRSYGNNNGNDNNSYGQNPNQNQRSNNNYT   152
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGN.SGGGQY.FG..GGQNDNPFGGNQNN..QRRNQGN   149
consensus                                     ***!!*****!*****!!*************** *    *    *   * **  *   ***  * ** * ***
```

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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 987048 NYE63 RS28415 WP 076368498.1   RVDDDPFANDGKTIDISDDDLPF   175
NTDB id 113 BSU 40900 NP 391970.1             SFNDDPFANDGKPIDISDDDLPF   172
consensus                                         ***** *  **********
```

X non conserved

X similar

X ≥ 50% conserved