```
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 251847 CG475 RS22265 WP 012096456.1   ..MMNRVILVGRLTKDPDLRYTPNGVAVATFTLAVNRAFTNQQG.E..READFINCVIWRKQAENVANYLKKGSLAGVDG    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     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQG.SGWNQAPAQTNYNQGG.YSD.NYAQNNNFNGGNATRP   157
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ.......QSGFTSPQQ.TGNAPAAN   147
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
NTDB id 251847 CG475 RS22265 WP 012096456.1   RLQTRNYEGQDGRRVYVTEVLAESVQFLEPRNSGGEQRGS.....FNQQPSGAGF...GNQGSNPFGQ......SGNSGF   141
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGG.....YNEGNSGGGQYFGGGQNDNPFGGNQN.NQRRNQGN   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 251847 CG475 RS22265 WP 012096456.1   TKNDDPFSNVGQPIDISDDDLPF   164
NTDB id 113 BSU 40900 NP 391970.1             SFNDDPFANDGKPIDISDDDLPF   172
consensus                                       * ***** * ***********
```

X non conserved

X similar

X $\geq$ 50% conserved