```
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 413062 GSN03 RS26425 WP 000981963.1  ..MMNRVILVGRLTKDPDLRYTPNGVAVATFTLAVNRAFANQQG.E..READFINCVIWRKQAENVANYLKKGSLAGVDG    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     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNATR....   156
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGD..........GASQNFNSNQSNGSQQSGFTSPQQTGNAPA   145
NTDB id 413062 GSN03 RS26425 WP 000981963.1  RLQTRNYDGQDGKRVYVTEVLAESVQFLEPRNGGGEQRGS....FNQQPSGAGF...GNQSSNPFGQSSNSGNQGNQGNS   148
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGG....YNEGNSGGGQYFGGGQNDNPFGGNQNN....QRRNQ   147
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
consensus                                     ***!!*****!*****!!*************  **    *     **     **     * *         *   *

logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1     .PQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1        ANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 413062 GSN03 RS26425 WP 000981963.1  GFTKNDDPFSNVGQPIDISDDDLPF   173
NTDB id 113 BSU 40900 NP 391970.1             GNSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2             ........................   113
consensus                                     *   * ***** * ***********
```

X non conserved

X similar

X $\geq$ 50% conserved