```
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 386096 F0362 RS27000 WP 000981964.1   ..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                                       **!*!**!!*!**!***!****!*!!*****!*****  *   *  *   *********!**!!!* *****!!!***!*!
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logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGG.......N   153
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGD..........GASQNFNSNQSNGSQQSGFTSPQQTG....   141
NTDB id 386096 F0362 RS27000 WP 000981964.1   RLQTRNYDGQDGKRVYVTEVLAESVQFLEPRNGGGEQRGS....FNQQPSGAGF...GNQSS....NPFGQSSNSGNSGN   144
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGG....YNEGNSGGGQYFGGGQND....NPFGGNQNN.....   142
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
consensus                                     ***!!*****!*****!!*************  **    *     **     **     * *      * *    *
```

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logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     .....ATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1        ...NAPAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 386096 F0362 RS27000 WP 000981964.1   SGNTGNSGFTKNDDPFSNVGQPIDISDDDLPF   176
NTDB id 113 BSU 40900 NP 391970.1             ..QRRNQGNSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2             ................................   113
consensus                                            *   * ***** * ***********
```

X non conserved

X similar

X $\geq$ 50% conserved