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 100728 AW166 RS29200 WP 000981967.1  ..MMNRVILVGRLTKDPDLRYTPNGVAVATFTLAVNRAFANQQG.E..READFINCVIWRKQAENVANYLKKGSLAGVDG   75
NTDB id 113 BSU 40900 NP 391970.1             ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG   75
consensus                                       **!*!**!!*!**!***!****!*!!*****!***** *  * *  ***********!**!!* *****!!!***!*!
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logo

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NTDB id 1390 A4U84 RS00055 WP 021115958.1     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNATR....  156
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGD..........GASQNFNSNQSNGSQQSGFTSPQQTGNAPA  145
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD..........................................  113
NTDB id 100728 AW166 RS29200 WP 000981967.1  RLQTRNYEGQDGKRVYVTEVLAESVQFLEPRNGGGEQRGS....FNQQPSGAGF...GNQSSNPFGQSSNSGNQGNQGNS  148
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGG....YNEGNSGGGQYFGGGQNDNPFGGNQNN....QRRNQ  147
consensus                                     ***!!******!*****!!************  **   *     **    **     * *         *  *
```

logo

```
NTDB id 1390 A4U84 RS00055 WP 021115958.1     .PQPAQKPAAQAEPPMDNFDDDIPF  180
NTDB id 624 LCA RS00040 WP 011373726.1        ANNTQADPFANNGQAIDISDDDLPF  170
NTDB id 112 BSU 36310 NP 391512.2             .........................  113
NTDB id 100728 AW166 RS29200 WP 000981967.1  GFTKNDDPFSNVGQPIDISDDDLPF  173
NTDB id 113 BSU 40900 NP 391970.1             GNSFNDDPFANDGKPIDISDDDLPF  172
consensus                                     *   * ***** * ***********
```

X non conserved

X similar

X $\geq$ 50% conserved