```
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 201838 GTID1 RS10470 WP 011888458.1  ..MINRVILVGRLTRDPELRYTPSGVAVATFTLAVNRPFTNQQG.E..READFIQCVVWRRQAENVANFLKKGSLAGVDG    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     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSD.NYAQNNNFNGGNA.TRPQ   158
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNF...NSNQSNGSQQSG..F..TSPQQTGNAPAANN   148
NTDB id 201838 GTID1 RS10470 WP 011888458.1  RLQTRSYENQEGRRVYVTEVVADNVQFLEPKGSNEQR......G.A...AAGGYYGD...PFPFGQDQNHRYPNEKGIGR   142
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNS...GGGQYFGGGQNDNPFGGNQNNQRRN..QGNS   150
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
consensus                                     ***!!  *****!*****!!****  *******  *      *    *      *  **  *        **  **  *  *
```

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logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     PAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1        TQADPFANNGQAIDISDDDLPF   170
NTDB id 201838 GTID1 RS10470 WP 011888458.1  IDEDPFANDGQPIDISDDDLPF   164
NTDB id 113 BSU 40900 NP 391970.1             FNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2             ......................   113
consensus                                        ***** * ***********
```

X non conserved

X similar

X $\geq$ 50% conserved