logo

```
NTDB id 1390 A4U84 RS00055 WP 021115958.1   MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEGKLKTR   85
NTDB id 624 LCA RS00040 WP 011373726.1      ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG.D..READFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR   80
NTDB id 112 BSU 36310 NP 391512.2           ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG.E..IEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR   80
NTDB id 83912 JN157 RS01615 WP 000934799.1 ..MLNRVVLVGRLTKDPEYRTTPSGVSVATFTLAVNRTFTNAQG.E..READFINCVVFRRQADNVNNYLSKGSLAGVDGRLQSR   80
NTDB id 113 BSU 40900 NP 391970.1           ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
consensus                                     **!*!**!!*!**!***!***  !**!*****!******** * *  *********!*!**!**  *****!!!***!*!****!
```

logo

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NTDB id 1390 A4U84 RS00055 WP 021115958.1   KWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNATRPQPAQKPAAQAEPP  170
NTDB id 624 LCA RS00040 WP 011373726.1      NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNS...NQSNGSQQSG..FTSPQQTGNAPAANNTQADPFANNGQA  160
NTDB id 112 BSU 36310 NP 391512.2           SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD....................................................  113
NTDB id 83912 JN157 RS01615 WP 000934799.1 NYENQEGRRVFVTEVVCDSVQFLEPKNAQQNGGQRQQNEFQDY...GQGFGGQQSG.....QNNSYNNSSNTKQSDNPFANANGP  157
NTDB id 113 BSU 40900 NP 391970.1           NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGG...GQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDPFANDGKP  162
consensus                                   ******!*****!!**********       * *                  *  ** **       ***             ****   *
```

logo

```
NTDB id 1390 A4U84 RS00055 WP 021115958.1   MDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1      IDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2           ..........   113
NTDB id 83912 JN157 RS01615 WP 000934799.1 IDISDDDLPF   167
NTDB id 113 BSU 40900 NP 391970.1           IDISDDDLPF   172
consensus                                   **********
```

X non conserved
X similar
X $\geq$ 50% conserved