```
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 1147756 CKV93 RS10285 WP 095118073.1   ..MINRVVLVGRLTKDPEYRTTPSGVSVATFTLAVNRTFTNAQG.E..READFINCVVFRKQAENVNNFLFKGSLAGVDG   75
NTDB id 113 BSU 40900 NP 391970.1              ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG   75
consensus                                        **!*!**!!*!**!***!***  !**!*****!********  *  *  *********  **!**!!*  *****!!!***!*!
```

```
logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1      KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNG.....GNAT   155
NTDB id 624 LCA RS00040 WP 011373726.1         RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQN...FNSNQSNGSQ.....Q..SGFTSPQQTGNAPA   145
NTDB id 112 BSU 36310 NP 391512.2              RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
NTDB id 1147756 CKV93 RS10285 WP 095118073.1   RLQSRSYENQEGRRVYVTEVVCDSVQFLEPKSANQRHAQNSPNHGNDFQSYGQSFGGQ.....QQG......QNSSYQNN   144
NTDB id 113 BSU 40900 NP 391970.1              RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYN.EG..NSGGGQYFGGG.....QNDNPFGGNQNNQRRNQ   147
consensus                                      ****!  *****!*****!!*************       *              *  **       **    *    **
```

```
logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1      RPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1         ANNTQADPFANNGQATDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2              ........................    113
NTDB id 1147756 CKV93 RS10285 WP 095118073.1   QPARNDNPFANANGPIDISDDDLPF   169
NTDB id 113 BSU 40900 NP 391970.1              GNSFNDDPFANDGKPIDISDDDLPF   172
consensus                                          *  ****   ***********
```

X non conserved

X similar

X $\geq$ 50% conserved