```
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 367105 FGL66 RS09555 WP 180809582.1  ..MINRVVLVGRLTKDPEYRTTPSGVSVATFTLAVNRTFTNAQG.E..READFINCVVFRKQAENVSNFLFKGSLAGVDG   75
NTDB id 113 BSU 40900 NP 391970.1            ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG   75
consensus                                      **!*!**!!*!**!***!***  !**!*****!********  *  *  *********!**!!!*  *****!!!***!*!
```

```
logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1    KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGS.GWNQAPAQTNYNQGGYSDNYAQNNNFNGGNATRP..   157
NTDB id 624 LCA RS00040 WP 011373726.1       RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQS..........NGSQQSGFTSPQQTGNAP   144
NTDB id 112 BSU 36310 NP 391512.2            RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
NTDB id 367105 FGL66 RS09555 WP 180809582.1  RLQSRSYENQEGRRIFVTEVVCDSVQFLEPKSANQRHA....QNNYNQGNEFQS..YGQNFGGQQQ......GQNSSYQN   143
NTDB id 113 BSU 40900 NP 391970.1            RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSG.....SGGYNEGNS..G..GGQYFGGGQNDNPFGGNQNNQRRN   146
consensus                                    ****!  *****!*****!!*************          *   **  **        *        *   *   ***
```

```
logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ...QPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1       AANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2            ............................   113
NTDB id 367105 FGL66 RS09555 WP 180809582.1  NQSSQNDNPFANANGPIDISDDDLPF   169
NTDB id 113 BSU 40900 NP 391970.1            QGNSFNDDPFANDGKPIDISDDDLPF   172
consensus                                          *   ****    ***********
```

X non conserved

X similar

X $\geq$ 50% conserved