```
logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG    80
NTDB id 624 LCA RS00040 WP 011373726.1        ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNAN.GD..READFINCVIWRKSAENFANFTKKGSLVGVDG    75
NTDB id 416108 E3S99 RS13760 WP 000610648.1   ..MINRTILVGRLTRDPELRTTQSGVNVASFTLAVNRTFTNAQ.GE..READFINIIVFKKQAENVNKYLSKGSLAGVDG    75
NTDB id 113 BSU 40900 NP 391970.1             ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQS.GE..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
NTDB id 112 BSU 36310 NP 391512.2             ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNAS.GE..IEADYVNCTLWRKTAENTALYCQKGSLVGVSG    75
consensus                                       **!****!!*!**!***!**  !**!*****!********  !*  *****************!!* *****!!!***!*!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNAT.....   155
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQ........NFNSNQS..NGSQQSGFTSPQQTGNAPA   145
NTDB id 416108 E3S99 RS13760 WP 000610648.1   RLQTRNYENKEGQRVYVTEVIADSIQFLEPKNSNDTQQDLYQQQ........VQQT..................RGQSQYSN   131
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEG........NSGGGQYFGGGQNDNPFGGNQNNQRRNQ   147
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.........................................   113
consensus                                     ***!!******!*****!!************ *     *             * *         *   *   *

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     RPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1        ANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 416108 E3S99 RS13760 WP 000610648.1   NKPVKDNPFANANGPIELNDDDLPF   156
NTDB id 113 BSU 40900 NP 391970.1             GNSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2             ........................    113
consensus                                           ****   **** ******
```

X non conserved

X similar

X $\geq$ 50% conserved