```
logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1       MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG   80
NTDB id 1022357 AB1O90 RS00040 WP 011672766.1  ..MINRTVLVGRLTRDPELRYTGSGAAVVTFTVAVNRQFTNSQG.E..READFINCVMWRKAAENFANFTRKGSLVGIDG   75
NTDB id 624 LCA RS00040 WP 011373726.1         ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG.D..READFINCVIWRKSAENFANFTKKGSLVGVDG   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                                        **!****!!*!**!***!**  !*!!*****!*******  * *  **********!*! !!* *** *!!!*****!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1       KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNA......   154
NTDB id 1022357 AB1O90 RS00040 WP 011672766.1  RIQTRSYENQQGQRVYVTEVVAENFSLLESRSSSERRQGGE..NNFGNNQSAPSQQPTSSG.....NPFDGGQSNNSGAQ   148
NTDB id 624 LCA RS00040 WP 011373726.1         RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQQSGFTS............PQQTGNA   143
NTDB id 113 BSU 40900 NP 391970.1              RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQY...FGGGQND.....NPFGGNQNNQR..R   145
NTDB id 112 BSU 36310 NP 391512.2              RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.........................................   113
consensus                                      ***!! *****!*****!!**** * *******      *     *    *    ** * *      * * * * **

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1       .TRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1022357 AB1O90 RS00040 WP 011672766.1  QPNNSNPNDPFANSGQSIDISDDDLPF   175
NTDB id 624 LCA RS00040 WP 011373726.1         PAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1              NQGNSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2              ............................   113
consensus                                         *     ***** *  **********
```

X non conserved

X similar

X $\geq$ 50% conserved