```
logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1      MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG   80
NTDB id 1119843 EL086 RS09060 WP 002891844.1  ..MINNVVLVGRMTRDAELRYTPSNVAVATFSLAVNRNFKGAN.G..ERETDFINCVIWRQQAENLANWAKKGALIGITG   75
NTDB id 624 LCA RS00040 WP 011373726.1        ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNAN.G..DREADFINCVIWRKSAENFANFTKKGSLVGVDG   75
NTDB id 113 BSU 40900 NP 391970.1             ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQS.G..EREADFINCVTWRRQAENVANFLKKGSLAGVDG   75
consensus                                       **!*!**!!****!***!*** **!!*!***!*** ***** !  *** *****!**!**!!*******!!******!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1      KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNY......AQNNNFNGGNA   154
NTDB id 1119843 EL086 RS09060 WP 002891844.1  RIQTRNYENQQGQRVYVTEVVADNFQMLESRAAREGHSG....G........SYNAGGFDNSNSFGGGASTGGSFGGSQP   143
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQ........NFNSNQSNGSQ........QSGFTSPQQ   139
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGS.....G........GYNEGNSGGGQYFGGGQN.DNPFGGNQN   141
consensus                                      ***!!****!*!!****!!* ******!**** *   **  ***        **! *** *** ****   ** !** **

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1      TRP.....QPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1119843 EL086 RS09060 WP 002891844.1  AQSTPN.FGRDESPF.GNSNPMDISDDDLPF   172
NTDB id 624 LCA RS00040 WP 011373726.1        TGNAPAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1             NQRRNQGNSFNDDPFANDGKPIDISDDDLPF   172
consensus                                      **  ***** ***!********!**!!!*!!
```

X non conserved

X similar

X $\geq$ 50% conserved