```
logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1      MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG   80
NTDB id 1131725 H1X13 RS08385 WP 002951905.1  ..MINNVVLVGRMTRDAELRYTPSNVAVATFSLAVNRNFKGAN.G..ERETDFINCVIWRQQAENLANWAKKGALVGITG   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      KLKTRKWQDQNGQDRYTTETQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNA.....T   155
NTDB id 1131725 H1X13 RS08385 WP 002951905.1  RIQTRNYENQQGQRVYVTEVVADNFQMLESRAAREGHSG....G........SYNVGGFDN....SNSFGGGASTGGSFG   139
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQ........NFNSNQSNG....SQ.......QSG.FT   135
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGS.....G........GYNEGNSGG....GQYFGGGQNDNP.FG   137
consensus                                      ***!!****!*!!****!!* ******!***** *   **  ***        **! *** *    ** *****   * *

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1      RPQP..........AQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1131725 H1X13 RS08385 WP 002951905.1  ESQPAQST.PNFGRDESPFG.NSNPMDISDDDLPF   172
NTDB id 624 LCA RS00040 WP 011373726.1        SPQQTGNAPAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1             GNQNNQRRNQGNSFNDDPFANDGKPIDISDDDLPF   172
consensus                                      *!* *     **  ***!********!**!!!*!!
```

X non conserved

X similar

X $\geq$ 50% conserved