logo



```
NTDB id 624 LCA RS00040 WP 011373726.1       ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNA.NGDR..EADFINCVIWRKSAENFANFTKKGSLVGVDG   75
NTDB id 362540 FD482 RS05940 WP 000934760.1  ..MLNRTILVGRLTRDPELRTTQSGVNVASFTLAVNRTFTNA.QGER..EADFINIIVFKKQAENVNKYLSKGSLAGVDG   75
NTDB id 113 BSU 40900 NP 391970.1            ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQ.SGER..EADFINCVTWRRQAENVANFLKKGSLAGVDG   75
NTDB id 112 BSU 36310 NP 391512.2            ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNA.SGEI..EADYVNCTLWRKTAENTALYCQKGSLVGVSG   75
NTDB id 1103 NMB RS07590 WP 002212976.1      .MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYLEG   78
NTDB id 1131 NGFG RS05740 WP 003695064.1     .MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYLEG   78
NTDB id 1390 A4U84 RS00055 WP 021115958.1    MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG   80
consensus                                      **!*****!*!**!***!****! *!*****!***** *  *!**  ************ !!* *****!!******!
```

logo



```
NTDB id 624 LCA RS00040 WP 011373726.1       RLQTRNYENQQGQRVYYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQS..NGSQQSGFTSPQQTGNAPAA.......   146
NTDB id 362540 FD482 RS05940 WP 000934760.1  RLQTRNYENKEGQRVYYVTEVIADSIQFLEPKNSNDTQQDLYQQQVQQT.................RGQSQYSNN.......   132
NTDB id 113 BSU 40900 NP 391970.1            RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQG.......   148
NTDB id 112 BSU 36310 NP 391512.2            RIQTRSYENEEGVNVYYVTEVLADTVRFMDPKPREKAAD..........................................   113
NTDB id 1103 NMB RS07590 WP 002212976.1      RIQSRKYQGKDGIERTAYDIVANEMKMLGGRNENSG.GAPYEEGYGQS.........QEAYQRPAQQSRQPASDAPSHPQ   148
NTDB id 1131 NGFG RS05740 WP 003695064.1     RIQSRKYQGKDGIERTAYDIVANEMKMLGGRNENSG.GAPYDEGYGQS.........QEAYQRPAQQSRQPAPDAPSHPQ   148
NTDB id 1390 A4U84 RS00055 WP 021115958.1    KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQ..TNYNQGGYSDNYAQNNNFNGGNA....   154
consensus                                    ****! *** *!* ********* * *** **      * *  *  **         * **     **
```

logo



```
NTDB id 624 LCA RS00040 WP 011373726.1       ..NNTQADPFANNGQAIDISDDDLPF   170
NTDB id 362540 FD482 RS05940 WP 000934760.1  ..KPVKDNPFANANGPIELNDDDLPF   156
NTDB id 113 BSU 40900 NP 391970.1            ..NSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2            ..........................   113
NTDB id 1103 NMB RS07590 WP 002212976.1      EAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1     EAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1    TRPQPAQKPAAQAEPPMDNFDDDIPF   180
consensus                                            * **** ***  ******
```

X non conserved

X similar

X ≥ 50% conserved