logo



```
NTDB id 113 BSU 40900 NP 391970.1            ....MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQ.SGER..EADFINCVTWRRQAENVANFLKKGSLAGV   73
NTDB id 1131 NGFG RS05740 WP 003695064.1     ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1103 NMB RS07590 WP 002212976.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 157537 K788 RS01815 WP 035986694.1   ..MASVNKVILVGNLGADPEVRYLPSGDAVANIRLATTDRYKDKQSGEFKEMTEWHRISFFGRLAEIVSEYLKKGSAVYI   78
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                      *!*!***! !* !!**!**!*!*!!** **!***** ** *!** * **** ** *****!!*****!*!!* ***
```

logo



```
NTDB id 113 BSU 40900 NP 391970.1            DGRLQTRNYENQQGQRVFVTEVQA....ESVQFLEPKNGGGSGSGGYNEGN......SGGGQYFGG..GQNDNPFGGN..   139
NTDB id 1131 NGFG RS05740 WP 003695064.1     EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGG.APYDEGYGQSQEA.....YQRPAQ.QSRQP......   139
NTDB id 1103 NMB RS07590 WP 002212976.1      EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGG.APYEEGYGQSQEA.....YQRPAQ.QSRQP......   139
NTDB id 157537 K788 RS01815 WP 035986694.1   EGRIRTRKYQAQDGTDRYSTEIVA....EQMQMLGGRGGAGGG.GG.DDGG.YSRGES....MERGGGGGGRMSGGGGGG   147
NTDB id 1390 A4U84 RS00055 WP 021115958.1    EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDF.GG.NQGSGWNQAPAQT.NYNQGGYSDNYAQ......   145
NTDB id 1166 A1552VC RS00795 WP 000168289.1  EGQLQTRKWQDQSGQDRYSTEVVQGGYNGIMQMLGGRAQQGGM.PA.QGGM...NVPAQ.....QGSWGQPQQP......   144
consensus                                    *!*****!*** * ! *** ***** ***!***  *** **  *!  *  *  ** * **
```

logo



```
NTDB id 113 BSU 40900 NP 391970.1            ...QNNQRRNQGNSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 1131 NGFG RS05740 WP 003695064.1     .APDAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1103 NMB RS07590 WP 002212976.1      .ASDAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 157537 K788 RS01815 WP 035986694.1   GGGRVSGGGG....GQSRPSAPAGGGFDEMDDDIPF   179
NTDB id 1390 A4U84 RS00055 WP 021115958.1    .NNNFNGGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1166 A1552VC RS00795 WP 000168289.1  .AKQHQ..PMQQSAPQQYSQPQYNEPPMDFDDDIPF   177
consensus                                     *                *     ** **** !!!*!!
```

X non conserved
X similar
X ≥ 50% conserved