logo



```
NTDB id 1103 NMB RS07590 WP 002212976.1     ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL    76
NTDB id 1131 NGFG RS05740 WP 003695064.1    ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL    76
NTDB id 1166 A1552VC RS00795 WP 000168289.1 MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI    80
NTDB id 199071 BG577 RS09830 WP 006253113.1 ..MAGINKVIIVGRLGNDPELRTMPNGDSVAKISVATSTEWTDKVSGDKKQATEWHSIIAFRNLADIIGKYLKKGSQVYV    78
NTDB id 1390 A4U84 RS00055 WP 021115958.1   ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV    78
consensus                                       **!!!!**!*!!*!!**!*!!*!**!*****!!!**!*!* *!*****!!!! *******!***!*!!*!!* !!*
```

logo



```
NTDB id 1103 NMB RS07590 WP 002212976.1     EGRIQSRKYQGKDGIERTAYDIVAN....EMKMLGGRNENSGGAPYEEGYGQSQEAYQRPAQ.....QSRQPASDAPSHP   147
NTDB id 1131 NGFG RS05740 WP 003695064.1    EGRIQSRKYQGKDGIERTAYDIVAN....EMKMLGGRNENSGGAPYDEGYGQSQEAYQRPAQ.....QSRQPAPDAPSHP   147
NTDB id 1166 A1552VC RS00795 WP 000168289.1 EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGG.MPAQGGMN...VPA....QQGSWGQPQQPAKQ..HQP   150
NTDB id 199071 BG577 RS09830 WP 006253113.1 EGKLRTRKWQAQDGTDRWTTEIIAD....QLQMLGSSNSGN......SNNNWATEPAGNPPPTNPY..............   134
NTDB id 1390 A4U84 RS00055 WP 021115958.1   EGKLKTRKWQDQNGQDRYTTEIQGD....VLQMLDSRSSGGD.FGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGN   153
consensus                                   !!****!!*!***! *!********     **!!****  * *  *   * *  ***** * *   * *  ***      *
```

logo



```
NTDB id 1103 NMB RS07590 WP 002212976.1     QEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1    QEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1166 A1552VC RS00795 WP 000168289.1 MQQSAPQQYSQPQYNEPPMDFDDDIPF   177
NTDB id 199071 BG577 RS09830 WP 006253113.1 .........NHVMTDSESRDFDDDIPF   152
NTDB id 1390 A4U84 RS00055 WP 021115958.1   ATRPQPAQKPAAQAEPPMDNFDDDIPF   180
consensus                                      **   ** * *  *****!!!!!!
```

X non conserved

X similar

X ≥ 50% conserved