```
NTDB id 1103 NMB RS07590 WP 002212976.1       ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRN.GQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1131 NGFG RS05740 WP 003695064.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRN.GQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1166 A1552VC RS00795 WP 000168289.1   MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 1106200 ACN6IU RS11465 WP 016570065.1 ..MAGVNKVIIVGNLGNDPDVRTMPNGDAVAKISVATSESWIDKNTNERKTQTEWHSIVFYRRQAEICGQYLKKGSKVYV   78
NTDB id 1390 A4U84 RS00055 WP 021115958.1     ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
consensus                                         **!!!!**!*!!*!!**!*!!*!*!!*****!!!!*!*!*********!!!! *******!!**!*!!*!!* !!*
```

```
NTDB id 1103 NMB RS07590 WP 002212976.1       EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYEEGYGQ..SQEAYQRPAQQSRQP...AS......   141
NTDB id 1131 NGFG RS05740 WP 003695064.1      EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYDEGYGQ..SQEAYQRPAQQSRQP...AP......   141
NTDB id 1166 A1552VC RS00795 WP 000168289.1   EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGM.PAQGGMNVPAQQGSWGQPQQPAKQ............   147
NTDB id 1106200 ACN6IU RS11465 WP 016570065.1 EGRLRTRKWQDQNGQDRYTTEIQG....DVLQMLDSRQDSQAQ.AN.......AQAN..AQAPQNNA.............   131
NTDB id 1390 A4U84 RS00055 WP 021115958.1     EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDF.GG.......NQGSGWNQAPAQTNYNQGGYSDNYAQN   146
consensus                                     !!****!!*!** !**!*******    ***!!**!***  *  *   *     ** ***** *****
```

```
NTDB id 1103 NMB RS07590 WP 002212976.1       ..DAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1      ..DAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1166 A1552VC RS00795 WP 000168289.1   ..HQP..MQQSAPQQYSQPQYNEPP.MDFDDDIPF   177
NTDB id 1106200 ACN6IU RS11465 WP 016570065.1 ..YANAKAGK......PVQ.QAD...SFEDDSIPF   154
NTDB id 1390 A4U84 RS00055 WP 021115958.1     NNFNGGNATRPQPAQKPAA.QAEPPMDNFDDDIPF   180
consensus                                        **   *    * * **  ** **** !!*!!!
```

X non conserved

X similar

X $\geq 50\%$ conserved