```
NTDB id 1103 NMB RS07590 WP 002212976.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1131 NGFG RS05740 WP 003695064.1     ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 354924 E5E97 RS02525 WP 011707639.1  MASRGINKVILIGNLGQDPEVRYMPSGGAVTNITLATSDTWRDKQTGEQKERTEWHRVVFMGKLAEVAGEYLKKGSQVYV   80
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                       **!!!!**!*!!*!!**!*!!*!*!! ****!!!**!*!* *!***!*!!!!*********!!*!!*!!*!!* !!*
```

```
NTDB id 1103 NMB RS07590 WP 002212976.1      EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPY........EEGYGQSQEAY..QRPAQQSRQPASD   142
NTDB id 1131 NGFG RS05740 WP 003695064.1     EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPY........DEGYGQSQEAY..QRPAQQSRQPAPD   142
NTDB id 1390 A4U84 RS00055 WP 021115958.1    EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFGGNQG.......SGWNQAPAQT....NYNQGGYSDNY   143
NTDB id 354924 E5E97 RS02525 WP 011707639.1  EGKLQTRKWQDQSGQERYTTEVLVDGFSGVMQMLGGRPQGGAGQGMGGQ....SQGNWGQQQGMQS.QQPMNQARPAQAP   155
NTDB id 1166 A1552VC RS00795 WP 000168289.1  EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGMNVPAQQGSWGQPQQPAKQHQPMQQSA.....   155
consensus                                    !!****!!*!** !**!*******     ***!!**!  ******  *        ***! *     * * *!**
```

```
NTDB id 1103 NMB RS07590 WP 002212976.1      APSH......PQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1     APSH......PQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1    AQNNNFNGGNATRPQPAQK.PAAQAEPPMDNFDDDIPF   180
NTDB id 354924 E5E97 RS02525 WP 011707639.1  QQNMQQQGGYARPAQQPQSAPPVYNEPP.MDFDDDIPF   192
NTDB id 1166 A1552VC RS00795 WP 000168289.1  ..............PQQYSQPQYNEPP.MDFDDDIPF   177
consensus                                    *            *  *** *** ***!****!!!!!!
```

X non conserved

X similar

X ≥ 50% conserved