```
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 22612 BBP RS02450 WP 011091594.1         MASRGINKVILIGYLGQDPDVRYMQNGSAVTNITLATSETWKDKNNGEIKEKTEWHRIVFFNKLAEIAGEYLKKGSQVYI   80
NTDB id 1166 A1552VC RS00795 WP 000168289.1      MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                            **!!!!**!  !!*!!**!*!**!*!!  ****!!!!*!*!*  *!***!*!!!!*********!!*!!*!!*!!*  !!*
```

```
NTDB id 1103 NMB RS07590 WP 002212976.1          EGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGAPYEEGYGQSQE....AYQRPAQQ.SRQPASDAPSHP   147
NTDB id 1131 NGFG RS05740 WP 003695064.1         EGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGAPYDEGYGQSQE....AYQRPAQQ.SRQPAPDAPSHP   147
NTDB id 1390 A4U84 RS00055 WP 021115958.1        EGKLKTRKWQDQNGQDRYTTEIQ....GDVLQMLDSRSSGGD.FGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGN   153
NTDB id 22612 BBP RS02450 WP 011091594.1         EGSLQTRKWKDQNGIERYITEIIVS.VGGTMQMLGSRNSSSL.T.ASSGLS..KNND..NL.............SKQLLS   140
NTDB id 1166 A1552VC RS00795 WP 000168289.1      EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGG.MPAQGGMN..VPAQQGSWGQPQ.....QPAKQHQPMQ   152
consensus                                        !!*****!!**** !**!* ****     *   **!!**!* ***  **  ! *  *       ** **     ***   *
```

```
NTDB id 1103 NMB RS07590 WP 002212976.1          QEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1         QEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1        ATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 22612 BBP RS02450 WP 011091594.1         EKKQE.SFNDSKLQNNNLDFDDEDIPF   166
NTDB id 1166 A1552VC RS00795 WP 000168289.1      QSAPQ.QYSQPQYNEPPMDFD.DDIPF   177
consensus                                        * **    ***  *  ***   **!!!!
```

X non conserved
X similar
X ≥ 50% conserved