```
NTDB id 1131 NGFG RS05740 WP 003695064.1     ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGLVYL   76
NTDB id 1103 NMB RS07590 WP 002212976.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGLVYL   76
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 284321 C8I07 RS04995 WP 006083192.1  MASRGVNKVILVGNLGQDPEVRYMPNGNAVANITVATSESWKDQ.QGQQQERTEWHRVVLFGKLAEITGEYLRKGSQVYL   79
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                        **!!!!**!*!!*!!**!*!!*!*!!*****!!!!*!*!* *!**  !*!!!!********!!**!*!!*!!*  !!*
```

```
NTDB id 1131 NGFG RS05740 WP 003695064.1     EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENS..GGAPYDEGYGQSQ.......................   126
NTDB id 1103 NMB RS07590 WP 002212976.1      EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENS..GGAPYEEGYGQSQ.......................   126
NTDB id 1390 A4U84 RS00055 WP 021115958.1    EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFGGNQGSG.........WNQAPAQTNYNQGGYSD....   141
NTDB id 284321 C8I07 RS04995 WP 006083192.1  EGKLQTRKWKDQSGQDRYSTEVVIDQ.SGSMQMLGSRGQGGQAQGAPMGGGMPQNA..GYQSAPQQAAPAQNQYAPAPQA   156
NTDB id 1166 A1552VC RS00795 WP 000168289.1  EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQG...GMPAQGGMNVPAQQGSWGQPQQPA.........KQH   148
consensus                                    !!****!!**** !**!*******      **!!**!  **  *!**  **  *         * *
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NTDB id 1131 NGFG RS05740 WP 003695064.1     .EAYQRPAQQSR.QPA.....................PDA.PSHPQEAPAAPRRQPVP......AAAPVEDIDDDIPF   174
NTDB id 1103 NMB RS07590 WP 002212976.1      .EAYQRPAQQSR.QPA.....................SDA.PSHPQEAPAAPRRQPVP......AAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ..........NYA............QNNNFNGGNATRPQPAQKPAAQ.................AEPPMDNFDDDIPF   180
NTDB id 284321 C8I07 RS04995 WP 006083192.1  APAYQAPAQQQYAAPAPAQQQYGQQQAQPQQGGYAPKPQAAPAPAYQAPAAPAQRPAPQPQQNFTPDLDDGWDDDIPF   234
NTDB id 1166 A1552VC RS00795 WP 000168289.1  QPMQ.QSAPQQYS...........................QPQYNE...................PPMDFDDDIPF   177
consensus                                      *** ******  **                     * * * *  ******   * *      *  *****!!!!!!
```

X non conserved

X similar

X ≥ 50% conserved