```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1103 NMB RS07590 WP 002212976.1       ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1166 A1552VC RS00795 WP 000168289.1   MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 112742 ACAty RS03240 WP 004870790.1   ..MAGVNRVILLGHLGRDPEMRYQPSGGATATLNLATSETYKDR.EGNRQERTEWHRVVFFGRPAEIAGEYLRKGSMAYV   77
NTDB id 1390 A4U84 RS00055 WP 021115958.1     ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
consensus                                        **!*!!**! !!*!!**!**!*!*!******!!!!***!*  !** !*!!!!********!!*!!*!!*!!**!*
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logo
NTDB id 1131 NGFG RS05740 WP 003695064.1      EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYDEGYGQSQEAYQRPAQQS.....RQPAPDAPSHP   147
NTDB id 1103 NMB RS07590 WP 002212976.1       EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYEEGYGQSQEAYQRPAQQS.....RQPASDAPSHP   147
NTDB id 1166 A1552VC RS00795 WP 000168289.1   EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQG.GMPAQGGMNV...PAQ....QGSWGQPQQPAKQ..HQP   150
NTDB id 112742 ACAty RS03240 WP 004870790.1   EGRLQTRKWTDKEGQERYTTEVVG....DRLQLVGGRGGGG.ANLDEDGPRSSA....................GAGSGR   132
NTDB id 1390 A4U84 RS00055 WP 021115958.1     EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGG.DFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGN   153
consensus                                     !!****!!*****!**!*******       ******!  ** * * **! * **   *   **        ***  * * *
```

```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1      QEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1103 NMB RS07590 WP 002212976.1       QEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1166 A1552VC RS00795 WP 000168289.1   MQQSAPQQYSQPQYNEPPMDFDDDIPF   177
NTDB id 112742 ACAty RS03240 WP 004870790.1   ........SNREMPPVPQEDFDDDIPF   151
NTDB id 1390 A4U84 RS00055 WP 021115958.1     ATRPQPAQKPAAQAEPPMDNFDDDIPF   180
consensus                                       **   **   *  !****!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved