```
logo
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 1148796 C6H34 RS23535 WP 002555458.1 .MARGVNKVILVGTCGQDPEVRYLPNGNAVTNLSLATSEQWTDKQSGQKVEKTEWHRVSMFGKVAEIAGEYLRKGSQVYI   79
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                        **!!!!**! *!*!!**!**!*!*!! ****!!!!*!*!* *!***!*!!!!********!!*!!*!!*!!* !!*
```

```
logo
NTDB id 1103 NMB RS07590 WP 002212976.1       EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGG.APYEEGYGQSQEAYQRPAQQSRQPASDAPSHPQ...   148
NTDB id 1131 NGFG RS05740 WP 003695064.1      EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGG.APYDEGYGQSQEAYQRPAQQSRQPAPDAPSHPQ...   148
NTDB id 1390 A4U84 RS00055 WP 021115958.1     EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFGGNQGSGWNQAP......AQT.....NYNQGGYSDNY   143
NTDB id 1148796 C6H34 RS23535 WP 002555458.1 EGKLQTREWEK.DGIKRYTTEIVV.DMQGTMQLLGGRPQGDSQQGQGGGNYNQSA...PRPQQSRPQQSAPQQSAPQQNY   154
NTDB id 1166 A1552VC RS00795 WP 000168289.1  EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGMNVPAQQGSWGQPQQPAKQHQPMQQSAPQQ..   158
consensus                                    !!****!***  *!**!*******      ***!**!  * *  ** * ** ***  * ***!  **    ******
```

```
logo
NTDB id 1103 NMB RS07590 WP 002212976.1       ...........EAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1      ...........EAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1     AQNNNFNGGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1148796 C6H34 RS23535 WP 002555458.1 NQQP...PQRDSRPAPQQ.QAPQPAADFDSFDDDIPF   187
NTDB id 1166 A1552VC RS00795 WP 000168289.1  ..........Y........SQPQYNEPPMDFDDDIPF   177
consensus                                              **   **  **********!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved