```
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 1390 A4U84 RS00055 WP 021115958.1    ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 236677 CEP86 RS11595 WP 011063767.1 .MARGVNKVILVGTCGQDPEVRYLPNGNAVTNLSLATSEQWTDKQTGQKVERTEWHRVSMFGKVAEIAGEYLRKGSQVYI   79
NTDB id 1166 A1552VC RS00795 WP 000168289.1 MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                     **!!!!**! *!*!!**!**!*!*!! ****!!!!*!*!* *!***!*!!!!********!!*!!*!!*!!* !!*
```

```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1     EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYDEGYGQSQE....AYQRP.....AQQSRQPAPDA   143
NTDB id 1103 NMB RS07590 WP 002212976.1      EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYEEGYGQSQE....AYQRP.....AQQSRQPASDA   143
NTDB id 1390 A4U84 RS00055 WP 021115958.1    EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGG.DFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGN   153
NTDB id 236677 CEP86 RS11595 WP 011063767.1 EGKLQTREWEKD.GIKRYTTEIIV.DMQGTMQLLGGRPQG..DQQGQGGMSNS..APRP..........QQSRPAPQPQR   143
NTDB id 1166 A1552VC RS00795 WP 000168289.1 EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQG.GMPAQGGMNVP..AQQGSWGQP.....QQPAKQHQPMQ   152
consensus                                   !!****!***   !**!******      ***!**!  *  * *** ! ****      ** *      ** *****
```

```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1     PSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1103 NMB RS07590 WP 002212976.1      PSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ATRPQ....PAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 236677 CEP86 RS11595 WP 011063767.1 ESRPA....P.QQAAPQPAPDFDSFDDDIPF   169
NTDB id 1166 A1552VC RS00795 WP 000168289.1 QSAPQ......QYSQPQYNEPPMDFDDDIPF   177
consensus                                    * !*       **   *** *****!!!!!!
```

X non conserved
X similar
X $\geq$ 50% conserved