```
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 115688 C163 RS02445 WP 025337494.1  .MARGVNKVILVGTCGQDPEVRYLPNGNAVTNLSLATSEQWTDKQSGQKVERTEWHRVSLFGKVAEIAGEYLRKGSQCYI   79
NTDB id 1166 A1552VC RS00795 WP 000168289.1 MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                       **!!!!**! *!*!!**!**!*!*!! ****!!!!*!*!* *!***!*!!!!********!!*!!*!!*!!* *!*
```

```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1     EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNEN..SGGAPYDEGYGQSQ..EAYQRPAQQ......SRQPAPD   142
NTDB id 1103 NMB RS07590 WP 002212976.1      EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNEN..SGGAPYEEGYGQSQ..EAYQRPAQQ......SRQPASD   142
NTDB id 1390 A4U84 RS00055 WP 021115958.1    EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNN.....F   149
NTDB id 115688 C163 RS02445 WP 025337494.1  EGKLQTREWEKD.GIKRYTTEIIV.DINGTMQLLGGRPQGQQQGGDPYN......QGGGNYGGGQQQQYNQAPPRQQAPR   151
NTDB id 1166 A1552VC RS00795 WP 000168289.1 EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQ...GGMPAQGGMNVPAQQGSWGQPQQ......PAKQHQPM   151
consensus                                   !!****!***   !**!*******      ***!**!  *   !! **  *    *    ** * **       ** **
```

```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1     APSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1103 NMB RS07590 WP 002212976.1      APSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1    NGGNAT.RPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 115688 C163 RS02445 WP 025337494.1  PQQAPQ.RP.APQQPAPQPAADFDSFDDDIPF   181
NTDB id 1166 A1552VC RS00795 WP 000168289.1 QQSAPQ.Q.....YSQPQYNEPPMDFDDDIPF   177
consensus                                     * **  * ** *   *********!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved