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 411051 GST84 RS02595 WP 021783897.1    .MARGVNKVILVGTCGQDPEVRYLPNGNAVTNLSLATSEQWTDKQSGQKVERTEWHRVSLFGKVAEIAGEYLRKGSQCYI   79
NTDB id 1166 A1552VC RS00795 WP 000168289.1    MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                          **!!!!**! *!*!!**!**!*!*!! ****!!!!*!*!* *!***!*!!!!********!!*!!*!!*!!* *!*
```

logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1        EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNEN..SGGAPYEEG.........YGQSQEAYQRPAQQSRQPAS   141
NTDB id 1131 NGFG RS05740 WP 003695064.1       EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNEN..SGGAPYDEG.........YGQSQEAYQRPAQQSRQPAP   141
NTDB id 1390 A4U84 RS00055 WP 021115958.1      EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFGGNQGSGWNQAPAQ.TNYNQGG..YSDNYAQN..NNF   149
NTDB id 411051 GST84 RS02595 WP 021783897.1    EGKLQTREWEKD.GIKRYTTEIIV.DINGTMQLLGGRPQGQQQGGDPYN......QGGGNYGGGQ....QQYNQA..PPR   145
NTDB id 1166 A1552VC RS00795 WP 000168289.1    EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQ...GGMPAQGGMNVPAQQGSWGQPQ....QPAKQH..QPM   151
consensus                                      !!****!***   !**!*******      ***!**!  *   !! **  *         *** *  *  ***!   *
```

logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1        DAPSHPQEAPAA..PRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1       DAPSHPQEAPAA..PRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1      NG....GNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 411051 GST84 RS02595 WP 021783897.1    QQAQRPQQAPQRPAPQQPAPQPAADFDSFDDDIPF   180
NTDB id 1166 A1552VC RS00795 WP 000168289.1    Q.....QSAP....QQYSQPQYNEPPMDFDDDIPF   177
consensus                                      **   ** !*    ***   *********!!!!!!
```

X non conserved

X similar

X $\geq 50\%$ conserved