logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGLVYL   76
NTDB id 1131 NGFG RS05740 WP 003695064.1     ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGLVYL   76
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 24340 PSYR RS23385 WP 011269089.1    .MARGVNKVILVGTCGQDPEVRYLPNGNAVTNLSLATSEQWTDKQSGEKKEKTEWHRVSMFGKVAEIAGEYLRKGSQVYI   79
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                        **!!!!**! *!*!!**!**!*!*!! ****!!!!*!*!* *!***!*!!!!********!!*!!*!!*!!* !!*
```

logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1      EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYEEGYGQSQ.....EAYQRPAQQSRQP.AS.DAP.   144
NTDB id 1131 NGFG RS05740 WP 003695064.1     EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYDEGYGQSQ.....EAYQRPAQQSRQP.AP.DAP.   144
NTDB id 1390 A4U84 RS00055 WP 021115958.1    EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGD.FGGNQGSGWN.QAPAQTNY...NQGGYSDNYAQNNNF   149
NTDB id 24340 PSYR RS23385 WP 011269089.1    EGKLQTREWEK.DGIKRYTTEIVV.DMQGTMQLLGGRPQGDA.QQGQGGGGNYNQSAPRPQQSRPQQSAPQQNYNQQQP.   155
NTDB id 1166 A1552VC RS00795 WP 000168289.1  EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGG.MPAQGGMNVPAQQG...SWGQPQQ.....PAKQHQP.   150
consensus                                    !!****!***  *!**!*******      ***!**!  * *  *** ! ** **      * ***!   *  * * **
```

logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1      .SHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1     .SHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1    NGGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 24340 PSYR RS23385 WP 011269089.1    ..QRDSRPAPPQ.QAPQPAADFDSFDDDIPF   183
NTDB id 1166 A1552VC RS00795 WP 000168289.1  ..MQQSAPQQ.Y.SQPQYNEPPMDFDDDIPF   177
consensus                                        ***!* * **  *********!!!!!!
```

X non conserved
X similar
X ≥50% conserved