```
NTDB id 1137 NGFG RS02425 WP 003694976.1      MKNNDCLRLKNPQSGMALIEVLVAMLVLTIGILALLSVQLRTVASVREAETQTIVSQITQNLMEGMLINPTIDSDSNKKN  80
NTDB id 1121 NGFG RS02425 WP 003694976.1      MKNNDCLRLKNPQSGMALIEVLVAMLVLTIGILALLSVQLRTVASVREAETQTIVSQITQNLMEGMLINPTIDSDSNKKN  80
NTDB id 107889 AT729 RS08315 WP 079889657.1   MKNNDCFRLKNPQSGMALIEVLVAMLVLTIGILALLSVQLRTVASVREAETQTIVSQITQNLMEGMLMNPTIDSDSNKKN  80
NTDB id 1087 NMV RS07485 WP 014574103.1       MKNNDCFRLKNPQSGMALIEVLVAMLVLTIGILALLSVQLRTVASVREAETQTIVSQITQNLMEGMLMNPTIDSDSNKKN  80
consensus                                     !!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!
```

```
NTDB id 1137 NGFG RS02425 WP 003694976.1      YNLYTGSYA....PTSSDGDFKLNNLISKTDLAKAQLDRFGYELKQALPDAVAIRYAVCKDSSGDAPTLS.GNTFSSNCD  155
NTDB id 1121 NGFG RS02425 WP 003694976.1      YNLYTGSYA....PTSSDGDFKLNNLISKTDLAKAQLDRFGYELKQALPDAVAIRYAVCKDSSGDAPTLS.GNTFSSNCD  155
NTDB id 107889 AT729 RS08315 WP 079889657.1   YNLYMGNNTLSHTLSAVDGEFAIDAIKTKTQLAEAQLKRFSYELKNALPDAAAIHYAVCKDSSGAAPTLSAGGAFSQNCD  160
NTDB id 1087 NMV RS07485 WP 014574103.1       YNLYMGNHTLPHTLSAVDGDFAIDAMKTKGQLAEAQLKRFSYELKNALPDAAAIHYAVCKDSSGKAPTLS.GNAFSSNCD  159
consensus                                     !!!! ! * * **** !!*! *  * *!* !! !!! !! !!!!*!!!!! !!*!!!!!!!!!!*!!!!! !* !!*!!!
```

```
NTDB id 1137 NGFG RS02425 WP 003694976.1      KKANGDTLIKVLWVNDSAGDSDIFRTNLEVSGSNIVYTYQARVGGRE  202
NTDB id 1121 NGFG RS02425 WP 003694976.1      KKANGDTLIKVLWVNDSAGDSDIFRTNLEVSGSNIVYTYQARVGGRE  202
NTDB id 107889 AT729 RS08315 WP 079889657.1   GSANGDTLIKVLWVNDSAGDSDIARTNLETNGNNIVYTYQARVGGRE  207
NTDB id 1087 NMV RS07485 WP 014574103.1       NKANGDTLIKVLWVNDSAGDSDISRTNLEVSGDNIVYTYQARVGGRE  206
consensus                                     **!!!!!!!!!!!!!!!!!!!!!!*!!!!!**!*!!!!!!!!!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved