```
NTDB id 1137 NGFG RS02425 WP 003694976.1      MKNNDCLRLKNPQSGMALIEVLVAMLVLTIGILALLSVQLRTVASVREAETQTIVSQITQNLMEGMLINPTIDSDSNKKN  80
NTDB id 1121 NGFG RS02425 WP 003694976.1      MKNNDCLRLKNPQSGMALIEVLVAMLVLTIGILALLSVQLRTVASVREAETQTIVSQITQNLMEGMLINPTIDSDSNKKN  80
NTDB id 190451 A6L41 RS05215 WP 002248273.1   MKNNDCFRLKDSQSGMALIEVLVAMLVLTIGILALLSVQLRTVASVREAETQTIVSQITQNLMEGMLMNPTIDSDSNKKN  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 190451 A6L41 RS05215 WP 002248273.1   YNLYMRNHT....LSAVDGDFAIDAIKTKAQLAEEQLKRFSYELKNALPDAAAIRYAVCKDSLGAAPTLSAGSTFSPNCD  156
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 190451 A6L41 RS05215 WP 002248273.1   NKANGDTLIKVLWVNDSAGDSDIARTNLEVSGDNIVYTYQARVGGRE  203
NTDB id 1087 NMV RS07485 WP 014574103.1       NKANGDTLIKVLWVNDSAGDSDISRTNLEVSGDNIVYTYQARVGGRE  206
consensus                                      !!!!!!!!!!!!!!!!!!!!!!*!!!!!!!! !!!!!!!!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved