```
NTDB id 32335 NMBM04240196 RS15030 WP 162467384.1  MLCPEKMSVMAGRHPYGVRSGLRRNGLKLWDIHFRMTRFIVARCGLLFATLKGKTMKKMFVLFCMLFSCAFSLAA   75
NTDB id 1127 NGFG RS10560 WP 003703428.1           .....................MSRGGAT..PYRFLLIRHIVARCGLLFATLKGKTMKKMFVLFCMLFSCAFSLAA   52
NTDB id 1126 NGFG RS09375 WP 003703428.1           .....................MSRGGAT..PYRFLLIRHIVARCGLLFATLKGKTMKKMFVLFCMLFSCAFSLAA   52
NTDB id 1125 NGFG RS07215 WP 003703428.1           .....................MSRGGAT..PYRFLLIRHIVARCGLLFATLKGKTMKKMFVLFCMLFSCAFSLAA   52
NTDB id 1108 NGFG RS06525 WP 003703428.1           .....................MSRGGAT..PYRFLLIRHIVARCGLLFATLKGKTMKKMFVLFCMLFSCAFSLAA   52
consensus                                                               **!*!**  ***!***!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

```
NTDB id 32335 NMBM04240196 RS15030 WP 162467384.1  VNINAASQQELEALPGIGPAKAKAIAEYRAQNGAFKSVDDLTKVKGIGPAVLAKLKDQASVGAPAPKGPAKPAIP  150
NTDB id 1127 NGFG RS10560 WP 003703428.1           VNINAASQQELEALPGIGPAKAKAIAEYRAQNGAFKSVDDLIKVKGIGPAVLAKLKDQASVGAPAPKGPAKPVLP  127
NTDB id 1126 NGFG RS09375 WP 003703428.1           VNINAASQQELEALPGIGPAKAKAIAEYRAQNGAFKSVDDLIKVKGIGPAVLAKLKDQASVGAPAPKGPAKPVLP  127
NTDB id 1125 NGFG RS07215 WP 003703428.1           VNINAASQQELEALPGIGPAKAKAIAEYRAQNGAFKSVDDLIKVKGIGPAVLAKLKDQASVGAPAPKGPAKPVLP  127
NTDB id 1108 NGFG RS06525 WP 003703428.1           VNINAASQQELEALPGIGPAKAKAIAEYRAQNGAFKSVDDLIKVKGIGPAVLAKLKDQASVGAPAPKGPAKPVLP  127
consensus                                          !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!**!
```

```
NTDB id 32335 NMBM04240196 RS15030 WP 162467384.1  AAKK  154
NTDB id 1127 NGFG RS10560 WP 003703428.1           AVKK  131
NTDB id 1126 NGFG RS09375 WP 003703428.1           AVKK  131
NTDB id 1125 NGFG RS07215 WP 003703428.1           AVKK  131
NTDB id 1108 NGFG RS06525 WP 003703428.1           AVKK  131
consensus                                          !*!!
```

X non conserved
X similar
X ≥ 50% conserved