```
NTDB id 48130 NMBM01240355 RS15565 WP 162467406.1  MLYPEKMSGMAGRHPYGVRSGLRRNGLKLWDIHFRMTRFIVARCGLLFATLKGKTMKKMFVLFCMLFSCAFSLAA  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 48130 NMBM01240355 RS15565 WP 162467406.1  VNINAASLQELEALPGIGPAKAKAIAEYRAQNGAFKSVDDLTKVKGIGPAVLAKLKDQASVGAPAPKGPAKPVLP  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 48130 NMBM01240355 RS15565 WP 162467406.1  ADKK  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