```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1012 ACIAD RS15185 WP 004923719.1     MKLDQLDKTPKESGQPKKKRMNVEKFFQQFNMLDMSNYGSWPLSVKITCWIFIFFLVCALGYFVVIRPQLDDIQTAQAQE    80
NTDB id 1145607 BT137 RS04255 WP 027224065.1  .......................MDTVNLNELTLENVGQWPMPVKIGVILGISILIIGLGYWLIVKPNFEQLEIQEAQE    56
NTDB id 1255 GC085 RS04845 WP 011213355.1     .......................MDTVNLNELTLENVGQWPMPVKIGVILGISILIIGLGYWLIVKPNFEQLEIQEAQE    56
consensus                                                            ******!*!***!*!*!!**!!!*****!**!***!!!*****!*********!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1012 ACIAD RS15185 WP 004923719.1     KNLLNEFREKQSKLRNLQQYQHQLEEMRASFNQQLTQLPKESEIPGLVEDINMTGVNSGLKFKNIRLENEVKQEFFIEQP   160
NTDB id 1145607 BT137 RS04255 WP 027224065.1  IALKTEFEKKQHQAANLQAYRNQLQLMNERFGTMLKQLPAKNEMPGLLEEISKTGIASGLKFELFAPQPEVVHDFYVELP   136
NTDB id 1255 GC085 RS04845 WP 011213355.1     IALKTEFEKKQHQAANLQAYRNQLQLMNERFGTMLKQLPAKNEMPGLLEEISKTGIASGLKFELFAPQPEVVHDFYVELP   136
consensus                                     **!**!!**!!****!!!*!**!!**!***!***!*!!!***!*!!!*!*!**!!**!!!!!*******!!***!**!*!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1012 ACIAD RS15185 WP 004923719.1     ISIEATGDYHAFGAFVSGIAALPRIVTLHDFVIEAKQSKEKTDIP..EVDYAVKAKTYRYIGVDEQGNASAVQANTSTTT   238
NTDB id 1145607 BT137 RS04255 WP 027224065.1  IKITIVGSYMQLARFLSRVAEMNRIVTLHEFSVEGV.SGDGKTVSQDELVMAITAKIYRYRAQ.................   198
NTDB id 1255 GC085 RS04845 WP 011213355.1     IKITIVGSYMQLARFLSRVAEMNRIVTLHEFSVEGVSSGDGKTVSQDELVMAITAKIYRYRAQ.................   199
consensus                                     !*!***!*!*****!*!**!***!!!!!!*!**!** !*********!***!**!!*!!!***

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1012 ACIAD RS15185 WP 004923719.1     PAQGGTP   245
NTDB id 1145607 BT137 RS04255 WP 027224065.1  .......   198
NTDB id 1255 GC085 RS04845 WP 011213355.1     .......   199
consensus
```

X non conserved

X similar

X $\geq$ 50% conserved