logo



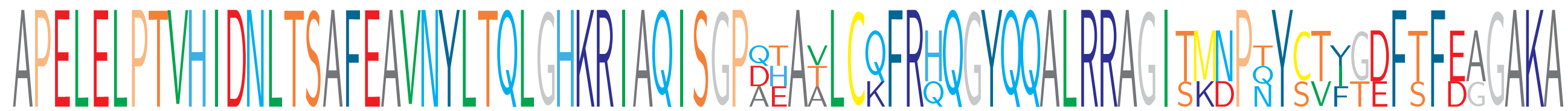
```
NTDB id 1290 VP RS01235 WP 254894148.1     MTSSWQKFERLNTMATMKDVAQLAGVSTATVSRALMNPEKVSSSTRKRVEDAVLEAGYSPNSLARNLRRNESKTIVTIVP   80
NTDB id 223941 B5S57 RS07305 WP 013855849.1 .............MATMKDVAQLAGVSTATVSRALMNPEKVSSSTRKRVEDAVLEAGYSPNSLARNLRRNESKTIVAIVP   67
NTDB id 1158 ABDM36 RS01105 WP 000224452.1  .............MATMKDVAQLAGVSTATVSRALMNPEKVSSSTRKRVEEAVLEAGYSPNSLARNLRRNESKTIVAIVP   67
consensus                                                !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!*!!!
```

logo



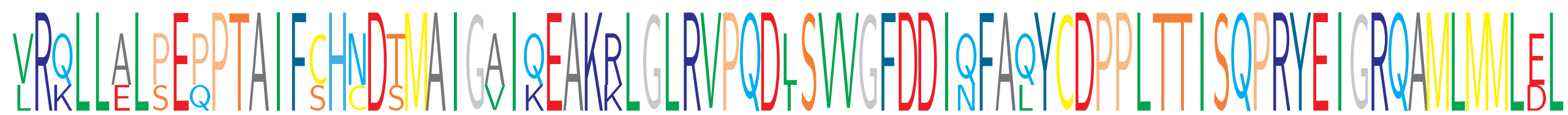
```
NTDB id 1290 VP RS01235 WP 254894148.1     DICDPYFSEIIRGIEDAAMEHGYLVLLGDSGQQKKRESSFVNLVFTKQADGMLLLGTDLPFDVSKPEQKNLPPMVMACEF   160
NTDB id 223941 B5S57 RS07305 WP 013855849.1 DICDPYFTEIIRGIEDAAMEHGYLVLLGDSGQQKKRESSLVNLVFTKQADGMLLLGTDLPFDVSKPEQKNLPPMVMACEF   147
NTDB id 1158 ABDM36 RS01105 WP 000224452.1  DICDPYFSEIIRGIEDAAMEHGYLVLLGDSGQQKRRENSFVNLVFTKQADGMLLLGTDLPFDVSKPEQKNLPPMVMACEF   147
consensus                                  !!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!*!!*!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 1290 VP RS01235 WP 254894148.1     APELELPTVHIDNLTSAFEAVNYLTQLGHKRIAQISGPDTAVLCQFRQQGYQQALRRAGISKDPQYSVITEFSFDGGAKA   240
NTDB id 223941 B5S57 RS07305 WP 013855849.1 APELELPTVHIDNLTSAFEAVNYLTQLGHKRIAQISGPAEATLCKFRHQGYQQALRRAGITMNPNYCTYGDFTFEAGAKA   227
NTDB id 1158 ABDM36 RS01105 WP 000224452.1  APELELPTVHIDNLTSAFEAVNYLTQLGHKRIAQISGPQHAALCQFRHQGYQQALRRAGITMNPTYCTFGDFTFEAGAKA   227
consensus                                  !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!  ! !!*!!*!!!!!!!!!!!!***!*!*****!*!**!!!!
```

logo



```
NTDB id 1290 VP RS01235 WP 254894148.1     VRKLLELPEPPTAIFCHCDTMAIGAIQEAKRLGLRVPQDLSVVGFDDINFAQYCDPPLTTISQPRYEIGRQAMLMMLELL   320
NTDB id 223941 B5S57 RS07305 WP 013855849.1 LRQLLALSEPPTAIFSHNDSMAIGVIKEAKKLGLRVPQDISVVGFDDIQFALYCDPPLTTISQPRYEIGRQAMLMMLDLL   307
NTDB id 1158 ABDM36 RS01105 WP 000224452.1  VRQLLALPEQPTAIFCHNDTMAIGAIQEAKRLGLRVPQDLSVVGFDDIQFAQYCDPPLTTISQPRYEIGRQAMLMMLELL   307
consensus                                  *!*!!*!*!*!!!!!*!*!*!!!!*!*!!!*!!!!!!!!*!!!!!!!!*!!*!!!!!!!!!!!!!!!!!!!!!!!!!*!!
```

logo



```
NTDB id 1290 VP RS01235 WP 254894148.1     KGHDVHSGSRLLETKLVVRGSAAPPQRA   348
NTDB id 223941 B5S57 RS07305 WP 013855849.1 RGQEVGAGSRLLETKLVIRESAAPPRLN   335
NTDB id 1158 ABDM36 RS01105 WP 000224452.1  RGHDVRAGSRLLETKLVVRESAAPPSKK   335
consensus                                  *!**! *!!!!!!!!!!*!*!!!!!  * 
```

X non conserved

X similar

X $\geq$ 50% conserved