logo



```
NTDB id 408561 GPY55 RS23850 WP 005481416.1  .............MATMKDVAQLAGVSTATVSRALMNPEKVSSSTRKRVEDAVLEAGYSPNSLARNLRRNESKTIVTIVP   67
NTDB id 1290 VP RS01235 WP 254894148.1       MTSSWQKFERLNTMATMKDVAQLAGVSTATVSRALMNPEKVSSSTRKRVEDAVLEAGYSPNSLARNLRRNESKTIVTIVP   80
NTDB id 1158 ABDM36 RS01105 WP 000224452.1   .............MATMKDVAQLAGVSTATVSRALMNPEKVSSSTRKRVEEAVLEAGYSPNSLARNLRRNESKTIVAIVP   67
consensus                                                 !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!*!!!
```

logo



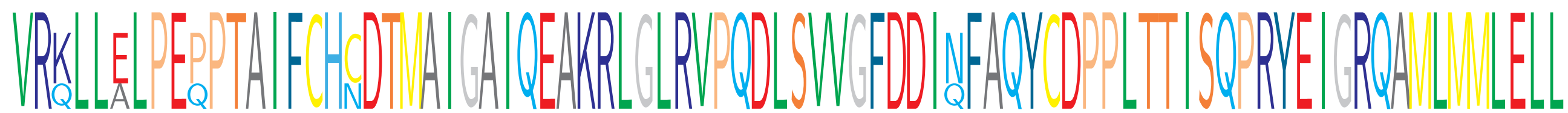
```
NTDB id 408561 GPY55 RS23850 WP 005481416.1  DICDPYFSEIIRGIEDAAMEHGYLVLLGDSGQQKKRESSFVNLVFTKQADGMLLLGTDLPFDVSKPEQKNLPPMVMACEF   147
NTDB id 1290 VP RS01235 WP 254894148.1       DICDPYFSEIIRGIEDAAMEHGYLVLLGDSGQQKKRESSFVNLVFTKQADGMLLLGTDLPFDVSKPEQKNLPPMVMACEF   160
NTDB id 1158 ABDM36 RS01105 WP 000224452.1   DICDPYFSEIIRGIEDAAMEHGYLVLLGDSGQQKRRENSFVNLVFTKQADGMLLLGTDLPFDVSKPEQKNLPPMVMACEF   147
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 408561 GPY55 RS23850 WP 005481416.1  APELELPTVHIDNLTSAFEAVNYLTQLGHKRIAQISGPDTAVLCQFRQQGYQQALRRAGISKDPQYSVITEFSFDGGAKA   227
NTDB id 1290 VP RS01235 WP 254894148.1       APELELPTVHIDNLTSAFEAVNYLTQLGHKRIAQISGPDTAVLCQFRQQGYQQALRRAGISKDPQYSVITEFSFDGGAKA   240
NTDB id 1158 ABDM36 RS01105 WP 000224452.1   APELELPTVHIDNLTSAFEAVNYLTQLGHKRIAQISGPQHAALCQFRHQGYQQALRRAGITMNPTYCTFGDFTFEAGAKA   227
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!**!*!!!!!*!!!!!!!!!!!!***!*!*****!*!**!!!!
```

logo



```
NTDB id 408561 GPY55 RS23850 WP 005481416.1  VRKLLELPEPPTAIFCHCDTMAIGAIQEAKRLGLRVPQDLSVVGFDDINFAQYCDPPLTTISQPRYEIGRQAMLMMLELL   307
NTDB id 1290 VP RS01235 WP 254894148.1       VRKLLELPEPPTAIFCHCDTMAIGAIQEAKRLGLRVPQDLSVVGFDDINFAQYCDPPLTTISQPRYEIGRQAMLMMLELL   320
NTDB id 1158 ABDM36 RS01105 WP 000224452.1   VRQLLALPEQPTAIFCHNDTMAIGAIQEAKRLGLRVPQDLSVVGFDDIQFAQYCDPPLTTISQPRYEIGRQAMLMMLELL   307
consensus                                    !!*!!*!!!*!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 408561 GPY55 RS23850 WP 005481416.1  KGHDVHSGSRLLETKLVVRGSAAPPQRA   335
NTDB id 1290 VP RS01235 WP 254894148.1       KGHDVHSGSRLLETKLVVRGSAAPPQRA   348
NTDB id 1158 ABDM36 RS01105 WP 000224452.1   RGHDVRAGSRLLETKLVVRESAAPPSKK   335
consensus                                    *!!!!**!!!!!!!!!!!!*!!!!!***
```

X non conserved

X similar

X $\geq$50% conserved