```
logo

NTDB id 47969 NMBM01240149 RS07940 WP 002214152.1  MSENKQNEVLSGYEQLKRRNRRRLVTASCLVAASCILLAAALSSGPAEQTA....GETSGVENKAAGAAQTPALK   71
NTDB id 1129 NGFG RS01435 WP 003687618.1           MSENKQNEVLTGYEQLKRRNRRRLVTASSLVAASCILLAAALSSDPADSNPAPQAGETGATESQTANTAQTPALK   75
consensus                                          !!!!!!!!!!*!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!! !!*  *****!!! * !   !  !!!!!!!

logo

NTDB id 47969 NMBM01240149 RS07940 WP 002214152.1  S.......AADKPQDLAGEDKPSAADSEISEPENVGAPLVLINDRLEDSNIKGLEASEKLQQAETAKTAPKQAKQ  139
NTDB id 1129 NGFG RS01435 WP 003687618.1           SAAENGETAADKPQDLAGEDKPSAADSEISEPENVGAPLVLINDRLEDSNIKGLEESEKLQQAETAKTEPKQAKQ  150
consensus                                          !*******!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!! !!!!!!

logo

NTDB id 47969 NMBM01240149 RS07940 WP 002214152.1  RAAEKVPATADSTDTVAVEKPKRTAETKPQKAERTAKAKPKAKETKTAEKVADKPKTAAEKTKPDTAKSDSAVKE  214
NTDB id 1129 NGFG RS01435 WP 003687618.1           RAAEKVSATADSTDTVAVEKPKRSAEPKPQKAERTAEAKPKAKETKTAEKVADKPKTAAEKTKPDTAKSDSAVKE  225
consensus                                          !!!!!!*!!!!!!!!!!!!!!!!!*!!*!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 47969 NMBM01240149 RS07940 WP 002214152.1  AKKADKAESKKTAEKDRSDGKKHETAQKTDKADKTKTAEKEKS...GKKAAIQAGYAEKERALSLQRKMKAAGID  286
NTDB id 1129 NGFG RS01435 WP 003687618.1           AKKADKAEGKKTAEKDRSDGKKHETAQKTDKADKTKTAEKEKSGKAGKKAAIQAGYAEKERALSLQRKMKAAGID  300
consensus                                          !!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!***!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 47969 NMBM01240149 RS07940 WP 002214152.1  STITEIMTDNGKVYRVKSSNYKNARDAERDLNKLRVHGIAGQVTNE   332
NTDB id 1129 NGFG RS01435 WP 003687618.1           STITEIMTDNGKVYRVKSSNYKNARDAERDLNKLRVHGIAGQVTNE   346
consensus                                          !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved