```
logo

NTDB id 190309 A6L25 RS05220 WP 002248274.1   MRRKMLNVPKGSYDGMKGFTIIEFLVAGMLSMIVLMAVGSSYFTSRKLNDAANERLAIQQDLRNAATLIVRDARMAGSFG   80
NTDB id 1138 NGFG RS02430 WP 003694978.1      MKRKMLNVPKGGYDGMKGFTIVEFLVAGLLSVIVLIAVVSSYFTSRKLNDAANERLAEQQDLRNAATLIVRDARMAGSFG   80
consensus                                     !*!!!!!!!!! !!!!!!!!!*!!!!!!*!!*!!!*!! !!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 190309 A6L25 RS05220 WP 002248274.1   CFNMSEHTEKDVVSDVAQKNRLFSLKRNS...TNKLIPITESLNIGYPGFTQRLNALIFQYGIDDVNASADTTVVSSCAK   157
NTDB id 1138 NGFG RS02430 WP 003694978.1      CFNMSEHIGNDVVFNVAQKNALFSLKRNSTNSTNKLIPITESPNINYQNFFQVSSALIFQYGIDDVDASADTTVVSSCAA   160
consensus                                     !!!!!!!   !!!  !!!!!! !!!!!!!!***!!!!!!!!!!*!! !* ! !   !!!!!!!!!!! !!!!!!!!!!!!

logo

NTDB id 190309 A6L25 RS05220 WP 002248274.1   IAKPGKKISTLQEAKSALQITNDD.KQNGNITRQRHVVNAYAVGRIAGEEGLFRFQLNDDGQWGNPQLLVKKINKMDIRY   236
NTDB id 1138 NGFG RS02430 WP 003694978.1      ISKPGKQIPTLENAKKELKIQNSDKEQNGNIARQRHVVNAYAVGKIAGEEGLFRFQLDDKGKWGNPQLLAKKVKRMRVRY   240
consensus                                     ! !!!! !*!!  !!  ! ! ! !* !!!!! !!!!!!!!!!!!*!!!!!!!!!!!! ! ! !!!!!!! !!* *! *!!

logo

NTDB id 190309 A6L25 RS05220 WP 002248274.1   IYVSGCPEDDDAGKEETFRYTDKFNSAQDAVTPAGVEVLLSSGTDTKIAASSDNHIYAYRIDATIRGGNICANRTL   312
NTDB id 1138 NGFG RS02430 WP 003694978.1      IYVSGCPEDEDAGKEEQFKYTDKFDS...SVTPAGVEVLLDSGSDAKIAASSDNIIYAYRINATIRGGNVCANRTL   313
consensus                                     !!!!!!!!!*!!!!!! !*!!!!! !*** !!!!!!!!!! !!*! !!!!!!!!*!!!!!! !!!!!!!*!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved