```
logo

NTDB id 154165 DE8555 RS04370 WP 063399719.1  MKRKMLNVPKGNYDGMKGFTIIEFLVAGMLSMIVLMAVGSSYFTSRKLNDAANERLAEQQDLRNAATLIVRDARMAGSFG   80
NTDB id 1138 NGFG RS02430 WP 003694978.1      MKRKMLNVPKGGYDGMKGFTIVEFLVAGLLSVIVLIAVVSSYFTSRKLNDAANERLAEQQDLRNAATLIVRDARMAGSFG   80
consensus                                     !!!!!!!!!!! !!!!!!!!!*!!!!!!*!!*!!!*!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 154165 DE8555 RS04370 WP 063399719.1  CFNMSEHIGSDVVPNVAQKKPLFSLKRK..NSTNKLIPITESSDINYQNFFQVGSALIFQYGIDDVNASAETTVVSSCAA  158
NTDB id 1138 NGFG RS02430 WP 003694978.1      CFNMSEHIGNDVVFNVAQKNALFSLKRNSTNSTNKLIPITESPNINYQNFFQVSSALIFQYGIDDVDASADTTVVSSCAA  160
consensus                                     !!!!!!!!! !!!*!!!!! *!!!!!! **!!!!!!!!!!!!* !!!!!!!!! !!!!!!!!!!!! !!!*!!!!!!!!!

logo

NTDB id 154165 DE8555 RS04370 WP 063399719.1  ISKPGKQIPTLEDAKKELKIPDQDKEQNGNIARQRHVVNAYAVGRIADEEGLFRFQLDDKGKWGNPQLLVKKVRRMKVRY  238
NTDB id 1138 NGFG RS02430 WP 003694978.1      ISKPGKQIPTLENAKKELKIQNSDKEQNGNIARQRHVVNAYAVGKIAGEEGLFRFQLDDKGKWGNPQLLAKKVKRMRVRY  240
consensus                                     !!!!!!!!!!!! !!!!!!!*  !!!!!!!!!!!!!!!!!!!!!!*!! !!!!!!!!!!!!!!!!!!!!!! !!!*!!*!!!

logo

NTDB id 154165 DE8555 RS04370 WP 063399719.1  IYVSGCPEDDDAGKEETFKYTDKFDSSTNAVTPAGVEVLLSSGTDTKIAASSDNHIYAYRIDATIRGGNVCANRTL  314
NTDB id 1138 NGFG RS02430 WP 003694978.1      IYVSGCPEDEDAGKEEQFKYTDKFDSS...VTPAGVEVLLDSGSDAKIAASSDNIIYAYRINATIRGGNVCANRTL  313
consensus                                     !!!!!!!!!*!!!!!! !!!!!!!!!!***!!!!!!!!!! !!*! !!!!!!!!*!!!!!! !!!!!!!!!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved