```
logo

NTDB id 1012 ACIAD RS15185 WP 004923719.1     MKLDQLDKTPKESGQPKKKRMNVEKFFQQFNMLDMSNYGSWPLSVKITCWIFIFFLVCALGYFVVIRPQLDDIQTAQAQE    80
NTDB id 291881 DIW83 RS01505 WP 016803752.1  MSQDELQELSLEQSASKKKKFNLDKFLQQFNTLDMNNYGSWPISVKITCWIFIFFAVLALGYFVAIQPKLQAIDNAQAQE    80
NTDB id 1056 ABD1 RS15860 WP 000076101.1     MSQDELQELSLEQLSAKKKKFNLDKFLQQFNTLDMNNYGSWPISVKITCWIFIFFAVLALGYFIVIQPKLQAIDNAQAQE    80
consensus                                    !**!*!*****!*   !!!**!**!!*!!!!*!!!!*!!!!!!*!!!!!!!!!!!!!*!*!!!!!**!*!*!**!**!!!!!

logo

NTDB id 1012 ACIAD RS15185 WP 004923719.1     KNLLNEFREKQSKLRNLQQYQHQLEEMRASFNQQLTQLPKESEIPGLVEDINMTGVNSGLKFKNIRLENEVKQEFFIEQP   160
NTDB id 291881 DIW83 RS01505 WP 016803752.1  GNLLNEFREKDSKLRNLQQYQVQLQEMQANFNQQLEQLPKETEIPSLVEDINLTGVNSGLKFKNIRLEDEVKQEIFIEQP   160
NTDB id 1056 ABD1 RS15860 WP 000076101.1     SNLLNEFREKDSKLRNLQQYQVQLQEMQANFNQQLEQLPKETEIPSLVEDINLTGVNSGLKFKNIRLEDEVKQEIFIEQP   160
consensus                                     !!!!!!!!!*!!!!!!!!!!!*!!*!!*!*!!!!!*!!!!!*!!!*!!!!!!*!!!!!!!!!!!!!!!!!*!!!!!*!!!!!

logo

NTDB id 1012 ACIAD RS15185 WP 004923719.1     ISIEATGDYHAFGAFVSGIAALPRIVTLHDFVIEAKQSK.EKTDIPEVDYAVKAKTYRYIGVDEQGNASAVQANTSTTTP   239
NTDB id 291881 DIW83 RS01505 WP 016803752.1  IAIEATGDYHAFGAFVSSISALPRIVTMHDFVVEAAQAKDSKSDIPVLNYSIKAKTYRYIGVTEASAQPAKAAAATAPTS   240
NTDB id 1056 ABD1 RS15860 WP 000076101.1     IAIEATGDYHAFGAFVSSIAALPRIVTMHDFTVDVSPAKDNKSDIPVLNYSIKAKTYRYVGATDTSEQTGKAPAASASTN   240
consensus                                    !*!!!!!!!!!!!!!!!!!*!*!!!!!!!!*!!!**** **!* !*!!!***!**!!!!!!!*!*** * *********!

logo

NTDB id 1012 ACIAD RS15185 WP 004923719.1     AQGGTP.   245
NTDB id 291881 DIW83 RS01505 WP 016803752.1  .PNAQPK   246
NTDB id 1056 ABD1 RS15860 WP 000076101.1     .TTVQPK   246
consensus                                       **!*
```

X non conserved

X similar

X ≥ 50% conserved