```
logo

NTDB id 1012 ACIAD RS15185 WP 004923719.1     MKLDQLDKTPKESGQPKKKRMNVEKFFQQFNMLDMSNYGSWPLSVKITCWIFIFFLVCALGYFVVIRPQLDDIQTAQAQE    80
NTDB id 155559 AN158 RS07140 WP 069370509.1  MSQDELQELSLEQLSAKKKKFNLDKFLQQFNTLDMNNYGSWPISVKITCWIFIFFAVLALGYFIVIQPKLQAIDNAQAQE    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 155559 AN158 RS07140 WP 069370509.1  SNLLNEFREKDSKLRNLQQYQVQLQEMQANFNQQLEQLPKETEIPSLVEDINLTGVNSGLKFKNIRLEDEVKQEIFIEQP   160
NTDB id 1056 ABD1 RS15860 WP 000076101.1     SNLLNEFREKDSKLRNLQQYQVQLQEMQANFNQQLEQLPKETEIPSLVEDINLTGVNSGLKFKNIRLEDEVKQEIFIEQP   160
consensus                                    *!!!!!!!!!*!!!!!!!!!!!*!!*!!*!*!!!!!*!!!!!*!!!*!!!!!!*!!!!!!!!!!!!!!!!*!!!!!*!!!!!

logo

NTDB id 1012 ACIAD RS15185 WP 004923719.1     ISIEATGDYHAFGAFVSGIAALPRIVTLHDFVIEAKQS.KEKTDIPEVDYAVKAKTYRYIGVDEQGNASAVQANTST..T   237
NTDB id 155559 AN158 RS07140 WP 069370509.1  IAIEATGDYHAFGAFVSSIAALPRIVTMHDFTVDVSPAKDNKSDIPVLNYSIKAKTYRYVGATDTSEQTSKAPAASASTN   240
NTDB id 1056 ABD1 RS15860 WP 000076101.1     IAIEATGDYHAFGAFVSSIAALPRIVTMHDFTVDVSPAKDNKSDIPVLNYSIKAKTYRYVGATDTSEQTGKAPAASASTN   240
consensus                                    !*!!!!!!!!!!!!!!!!*!!!!!!!!!!*!!!**********!*!!!***!**!!!!!!!*!**************!****

logo

NTDB id 1012 ACIAD RS15185 WP 004923719.1     TPAQGGTP   245
NTDB id 155559 AN158 RS07140 WP 069370509.1  TTVQPK..   246
NTDB id 1056 ABD1 RS15860 WP 000076101.1     TTVQPK..   246
consensus                                    !**!**
```

X non conserved
X similar
X ≥ 50% conserved