```
logo
NTDB id 1037110 ACB340 RS07540 WP 023078675.1  MLNIKNLTGGYHNIPVLNDVSFSVDNGELVGLIGLNGAGKSTTINEIIGFLKPYQGSISIDGLTLAENAVAYRQKIGFIP   80
NTDB id 473 HSISS4 RS07770 WP 021143710.1      MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQKIGYIP   80
NTDB id 481 STER RS07730 WP 002951673.1        MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQKIGYIP   80
consensus                                      !!*****!!!!*!!!!!*!!*!*!**!!!!!!!!!!!!!!!!!!!!!!!!!!*!!*!*!*!!!!!*******!!!!!!*!!

logo
NTDB id 1037110 ACB340 RS07540 WP 023078675.1  ETPSLYEELTLSEHINTVAMAYDIDLEVAQKRAQPFLEMFRLTDKLEWFPVNFSKGMKQKVMIICAFVIDPSLFILDEPF  160
NTDB id 473 HSISS4 RS07770 WP 021143710.1      ETPSLYEELTLREHLETVLMAYGLDVTEGMVRADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVNPSLFIVDEPF  160
NTDB id 481 STER RS07730 WP 002951673.1        ETPSLYEELTLREHLETVLMAYGLDVTEGMARADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVNPSLFIVDEPF  160
consensus                                      !!!!!!!!!!!*!!**!!*!!!**!***** !!***!**!!!**!!*!!!**!!!!!!!!!!!!!!!***!!!!!*!!!!

logo
NTDB id 1037110 ACB340 RS07540 WP 023078675.1  LGLDPLAISDLIQTLEVEKAKGKSILMSTHVLDSAERMCDRFVILHHGQVRAQGTLADLQEVFGDRSASLNDIYLALTKE  240
NTDB id 473 HSISS4 RS07770 WP 021143710.1      LGLDPLAISDLIELLAEEKAKGKAILMSTHVLDSAEKMCDRFVILHHGQVLAQGTLEELRQTFGDDSASLNDIYMQLTKG  240
NTDB id 481 STER RS07730 WP 002951673.1        LGLDPLAISDLIELLAEEKANGKSILMSTHVLDSAEKMCDRFVILHHGQILAQGTIDELRQTFGDSSASLNDIYMQLTKG  240
consensus                                      !!!!!!!!!!!!!**!**!!!*!!*!!!!!!!!!!!!!*!!!!!!!!!!!!!**!!!!***!***!!! !!!!!!!!**!!!*

logo
NTDB id 1037110 ACB340 RS07540 WP 023078675.1  D..   241
NTDB id 473 HSISS4 RS07770 WP 021143710.1      ELS   243
NTDB id 481 STER RS07730 WP 002951673.1        ELS   243
consensus                                      ***
```

X non conserved
X similar
X ≥ 50% conserved