```
logo

NTDB id 1037768 ACB344 RS07280 WP 002983379.1  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 1037768 ACB344 RS07280 WP 002983379.1  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 1037768 ACB344 RS07280 WP 002983379.1  LGLDPLAISDLIQTLEVEKAKGKSILMSTHVLDSAERMCDRFVILHHGQVRAQGTLADLQEAFGDRSASLNDIYLALTKE  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 1037768 ACB344 RS07280 WP 002983379.1  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