```
logo
NTDB id 1119746 EL077 RS02230 WP 111677796.1  MLNIENVTGGYLNIPVLKDISFSVGNGELVGLIGLNGAGKSTTINEIIGFLKPYKGRISIDGLTLAEHEADYRKKIGFIP   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 1119746 EL077 RS02230 WP 111677796.1  ETPSLYEELTLAEHINTVAMAYDIDVELAHKRAEPFLELFRLTDKLDWFPVHFSKGMKQKVMIICAFVIDPSLFILDEPF  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 1119746 EL077 RS02230 WP 111677796.1  LGLDPLAIADLIKALEVEKSKGKSILMSTHVLDSAEKMCDRFVILHQGQVRAQGTLADLQAVFGDASASLNDIYLALTKE  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 1119746 EL077 RS02230 WP 111677796.1  G..   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