```
logo
NTDB id 1119962 EL078 RS01955 WP 039691903.1  MLKIENLTGGYVNIPVLKNISFEVNDGELVGLIGLNGAGKSTTINEIIGLLTPYQGQITLDGLTLANNQADYRKKIGFIP   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 1119962 EL078 RS01955 WP 039691903.1  ETPSLYEELTLREHLETVAMAYDLEFEAAMARAKELLKLFRLSDKLDWFPINFSKGMKQKVMIICAFMVNPSLFIVDEPF  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 1119962 EL078 RS01955 WP 039691903.1  LGLDPLAISDLTDLLAQEKAKGKAILMSTHVLDAAEKMCDRFVILHHGQVRAVGNLAELREAFGQKDASLNDIYIALTKE  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 1119962 EL078 RS01955 WP 039691903.1  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 $\geq$ 50% conserved