```
logo

NTDB id 1118294 ELZ51 RS08910 WP 003052475.1  MLNIENLTGGYLNIPVLKEVSFSVGNGELVGLIGLNGAGKSTTINEIIGFLKPYQGEISIDGLTLAVDPAAYRKKIGFIP   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 1118294 ELZ51 RS08910 WP 003052475.1  ETPSLYEELTLAEHINTVAMAYDIDVELAQKRAEPFLKMFRLADKLDWFPVHFSKGMKQKVMIICAFVIDPSLFILDEPF   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 1118294 ELZ51 RS08910 WP 003052475.1  LGLDPLAISDLIQTLEVEKAKGKSILMSTHVLDSAEKMCDRFVILHHGQVRAQGTLADLQDAFGDASASLNDIYLALTKE   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 1118294 ELZ51 RS08910 WP 003052475.1  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