```
logo

NTDB id 295831 DLM82 RS02335 WP 000912307.1  MLKIENVTGGYVNIPVLKNISFEVNDGELVGLIGLNGAGKSTTINEIIGILRPYQGDITIDGISLEADQELYRKKIGFIP   80
NTDB id 481 STER RS07730 WP 002951673.1      MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQKIGYIP   80
NTDB id 473 HSISS4 RS07770 WP 021143710.1    MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQKIGYIP   80
consensus                                    !!!*!*!!!!!*!!!!!!***!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!*!*!*!!!*****!***!!*!!!*!!

logo

NTDB id 295831 DLM82 RS02335 WP 000912307.1  ETPSLYEELTLREHLETVAMAYDIATDEVMARAQKLLEMFRLTDKLDWFPMHFSKGMKQKVMIICAFVVSPSLFIVDEPF  160
NTDB id 481 STER RS07730 WP 002951673.1      ETPSLYEELTLREHLETVLMAYGLDVTEGMARADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVNPSLFIVDEPF  160
NTDB id 473 HSISS4 RS07770 WP 021143710.1    ETPSLYEELTLREHLETVLMAYGLDVTEGMVRADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVNPSLFIVDEPF  160
consensus                                    !!!!!!!!!!!!!!!!!!*!!!*****!*!*!!*!*!**!!!**!!!!!!**!!!!!!!!!!!!!!!!*!*!!!!!!!!!!

logo

NTDB id 295831 DLM82 RS02335 WP 000912307.1  LGLDPLAISDLINLLAEEKAKGKSILMSTHVLDSAEKMCDRFVILHKGEIRAVGTLEELRAIFGDSNANLNDIYIALTKE  240
NTDB id 481 STER RS07730 WP 002951673.1      LGLDPLAISDLIELLAEEKANGKSILMSTHVLDSAEKMCDRFVILHHGQILAQGTIDELRQTFGDSSASLNDIYMQLTKG  240
NTDB id 473 HSISS4 RS07770 WP 021143710.1    LGLDPLAISDLIELLAEEKAKGKAILMSTHVLDSAEKMCDRFVILHHGQVLAQGTLEELRQTFGDDSASLNDIYMQLTKG  240
consensus                                    !!!!!!!!!!!!*!!!!!!!!*!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!***!*!!**!!!**!!!**!*!!!!!**!!!*

logo

NTDB id 295831 DLM82 RS02335 WP 000912307.1  V..   241
NTDB id 481 STER RS07730 WP 002951673.1      ELS   243
NTDB id 473 HSISS4 RS07770 WP 021143710.1    ELS   243
consensus                                    ***
```

X non conserved
X similar
X ≥ 50% conserved