```
logo
NTDB id 977781 MGAS37836 RS07480 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 977781 MGAS37836 RS07480 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 977781 MGAS37836 RS07480 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 977781 MGAS37836 RS07480 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 $\geq$ 50% conserved