logo

```
NTDB id 35730 SDSE RS19355 WP 003057032.1  MLNIENLTGGYLNIPVLKEVSFSVGNGELVGLIGLNGAGKSTTINEIIGFLKPYQGEISIDGLTLTADPAAYRKKIGFIPETPSL  85
NTDB id 473 HSISS4 RS07770 WP 021143710.1  MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQKIGYIPETPSL  85
NTDB id 481 STER RS07730 WP 002951673.1    MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQKIGYIPETPSL  85
consensus                                  !!**!**!!!!*!!!!!!*!*!*!**!!!!!!!!!!!!!!!!!!!!!!!!!*!*!!*!*!*!!!!!***!!!*!!*!!!*!!!!!!!
```

logo

```
NTDB id 35730 SDSE RS19355 WP 003057032.1  YEELTLAEHINTVAMAYDIDVELAQKRAEPFLKMFRLADKLDWFPVHFSKGMKQKVMIICAFVIDPSLFILDEPFLGLDPLAISD  170
NTDB id 473 HSISS4 RS07770 WP 021143710.1  YEELTLREHLETVLMAYGLDVTEGMVRADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVNPSLFIVDEPFLGLDPLAISD  170
NTDB id 481 STER RS07730 WP 002951673.1    YEELTLREHLETVLMAYGLDVTEGMARADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVNPSLFIVDEPFLGLDPLAISD  170
consensus                                  !!!!!!*!!**!!*!!!**!!****  !!***!!*!!!**!!!!!!**!!!!!!!!!!!!!!!!!***!!!!!*!!!!!!!!!!!!!!!
```

logo

```
NTDB id 35730 SDSE RS19355 WP 003057032.1  LIQTLELEKGKGKSILMSTHVLDSAEKMCDRFVILHHGQVRAQGTLADLQDAFGDASASLNDIYLALTKEG..    241
NTDB id 473 HSISS4 RS07770 WP 021143710.1  LIELLAEEKAKGKAILMSTHVLDSAEKMCDRFVILHHGQVLAQGTLEELRQTFGDDSASLNDIYMQLTKGELS  243
NTDB id 481 STER RS07730 WP 002951673.1    LIELLAEEKANGKSILMSTHVLDSAEKMCDRFVILHHGQILAQGTTDELRQTFGDSSASLNDIYMQLTKGELS  243
consensus                                  !!**!**!!**!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!**!!!!**!***!!!  !!!!!!!!**!!!****
```

X non conserved

X similar

X ≥ 50% conserved