logo

```
NTDB id 481 STER RS07730 WP 002951673.1          MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQK   75
NTDB id 1111732 HMPREF9425 RS02000 WP 003096306.1 MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDELTIQQDPASYRQK   75
NTDB id 473 HSISS4 RS07770 WP 021143710.1        MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQK   75
consensus                                        !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!
```

logo

```
NTDB id 481 STER RS07730 WP 002951673.1          IGYIPETPSLYEELTLREHLETVLMAYGLDVTEGMARADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVN   150
NTDB id 1111732 HMPREF9425 RS02000 WP 003096306.1 IGYIPETPSLYEELTLREHLETVLMAYGLDVTEGMARADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVG   150
NTDB id 473 HSISS4 RS07770 WP 021143710.1        IGYIPETPSLYEELTLREHLETVLMAYGLDVTEGMVRADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVN   150
consensus                                        !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*
```

logo

```
NTDB id 481 STER RS07730 WP 002951673.1          PSLFIVDEPFLGLDPLAISDLIELLAEEKAKNGKSILMSTHVLDSAEKMCDRFVILHHGQILAQGTIDELRQTFGD   225
NTDB id 1111732 HMPREF9425 RS02000 WP 003096306.1 PSLLIVDEPFLGLDPLAISDLIELLAEEKAKGKAILMSTHVLDSAEKMCDRFVILHHGQVLAQGTLEELRQTFGN   225
NTDB id 473 HSISS4 RS07770 WP 021143710.1        PSLFIVDEPFLGLDPLAISDLIELLAEEKAKGKAILMSTHVLDSAEKMCDRFVILHHGQVLAQGTLEELRQTFGD   225
consensus                                        !!!*!!!!!!!!!!!!!!!!!!!!!!!!!!*!!*!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!**!!!!!!!*
```

logo

```
NTDB id 481 STER RS07730 WP 002951673.1          SSASLNDIYMQLTKGELS   243
NTDB id 1111732 HMPREF9425 RS02000 WP 003096306.1 DSASLNDIYMQLTKGELS   243
NTDB id 473 HSISS4 RS07770 WP 021143710.1        DSASLNDIYMQLTKGELS   243
consensus                                        *!!!!!!!!!!!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved