```
logo
NTDB id 52764 YYK RS08140 WP 012027751.1   MLEVKNVTGGYVNIPVLKDVSFTVEDGQLVGLIGLNGAGKSTTIKEIIGLLTPYQGQIVIDGLTLLQGAENYRKKIGFIPETPSL   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 52764 YYK RS08140 WP 012027751.1   YEELTLKEHLEVVAMAYDLSWEQAWGRVEHLLKLFRLDEKLDWFPVNFSKGMKQKVMIICAFMVEPSLLIVDEPFLGLDPVAISD   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 52764 YYK RS08140 WP 012027751.1   LIALLGEEKSKGTSILMSTHVLDSAEKMCDSFVILHQGQVRATGNLEELQSAFGMDGASLNEIYLALTQEGVAG   244
NTDB id 473 HSISS4 RS07770 WP 021143710.1  LIELLAEEKAKGKAILMSTHVLDSAEKMCDRFVILHHGQVLAQGTLEELRQTFGDDSASLNDIYMQLTKGELS.   243
NTDB id 481 STER RS07730 WP 002951673.1    LIELLAEEKANGKSILMSTHVLDSAEKMCDRFVILHHGQILAQGTIDELRQTFGDSSASLNDIYMQLTKGELS.   243
consensus                                  !!*!!*!!!**!**!!!!!!!!!!!!!!!!!*!!!!!*!!**!*!***!!***!!***!!!!*!!**!!*****
```

X non conserved

X similar

X $\geq$ 50% conserved