```
logo
NTDB id 69461 SR187 RS08205 WP 120172160.1  MLEVKNVTGGYVNIPVLKDVSFTVEDGQLVGLIGLNGAGKSTTIKEIIGLLTPYQGQILIDGQSLTQDAEHYRKKIGFIPETPSL   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 69461 SR187 RS08205 WP 120172160.1  YEELTLKEHLEVVAMAYDLNWEQAWNRAERLLNIFRLDEKLDWFPVHFSKGMKQKVMIICAFMVEPSLLIVDEPFLGLDPVAIAD   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 69461 SR187 RS08205 WP 120172160.1  LLALLEEEKAKGTSILMSTHVLDSAEKMCDRFVILHQGQVRAAGNLAELQATFAMEEASLSDIYLALTQEGVVR   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