```
logo
NTDB id 111616 HAS68 RS09195 WP 002939204.1  MLEVKNVTGGYVNIPVLKDVSFTVEDGQLVGLIGLNGAGKSTTIKEIIGLLTPYQGQIAIDGLTLLQGAENYRKKIGFIP   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 111616 HAS68 RS09195 WP 002939204.1  ETPSLYEELTLKEHLETVLMAYGLDVTEGMVRADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFMVEPSLLIVDEPF  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 111616 HAS68 RS09195 WP 002939204.1  LGLDPVAISDLIALLGEEKSKGTSILMSTHVLDSAEKMCDSFVILHQGQVRATGNLEELQSAFGMDGASLNEIYLALTQE  240
NTDB id 473 HSISS4 RS07770 WP 021143710.1    LGLDPLAISDLIELLAEEKAKGKAILMSTHVLDSAEKMCDRFVILHHGQVLAQGTLEELRQTFGDDSASLNDIYMQLTKG  240
NTDB id 481 STER RS07730 WP 002951673.1      LGLDPLAISDLIELLAEEKANGKSILMSTHVLDSAEKMCDRFVILHHGQTLAQGTIDELRQTFGDSSASLNDIYMQLTKG  240
consensus                                    !!!!!*!!!!!!*!!*!!!**!**!!!!!!!!!!!!!!!!!!*!!!!!*!!**!*!***!!***!!***!!!!*!!**!!**

logo
NTDB id 111616 HAS68 RS09195 WP 002939204.1  GVAG   244
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 ≥ 50% conserved