```
logo

NTDB id 313547 D2E16 RS10325 WP 192369215.1  MLEVKNVTGGYVNIPVLKDVSFTVEDGKLVGLIGLNGAGKSTTIKEIIGLLTPYQGQIAIDGLTLLQGAENYRKKIGFIP   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 313547 D2E16 RS10325 WP 192369215.1  ETPSLYEELTLKEHLEVVAMAYDLSWEQAWGRIEHLLKLFRLDEKLDWFPVNFSKGMKQKVMIICAFMVEPSLLIVDEPF  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 313547 D2E16 RS10325 WP 192369215.1  LGLDPVAISDLIALLEEEKSKGTSILMSTHVLDSAEKMCDSFVILHQGQVRATGNLEELQSAFGMDGASLNEIYLALTQE  240
NTDB id 473 HSISS4 RS07770 WP 021143710.1    LGLDPLAISDLIELLAEEKAKGKAILMSTHVLDSAEKMCDRFVILHHGQVLAQGTLEELRQTFGDDSASLNDIYMQLTKG  240
NTDB id 481 STER RS07730 WP 002951673.1      LGLDPLAISDLIELLAEEKANGKSILMSTHVLDSAEKMCDRFVILHHGQILAQGTIDELRQTFGDSSASLNDIYMQLTKG  240
consensus                                    !!!!!*!!!!!!!*!!*!!!**!**!!!!!!!!!!!!!!!!!!*!!!!!*!!**!*!***!!***!!***!!!!*!!**!!**

logo

NTDB id 313547 D2E16 RS10325 WP 192369215.1  GVAG   244
NTDB id 473 HSISS4 RS07770 WP 021143710.1    ELS.   243
NTDB id 481 STER RS07730 WP 002951673.1      ELS.   243
consensus                                    ***
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X non conserved
X similar
X ≥ 50% conserved