```
logo                                        MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQKIGYIPETPSL

NTDB id 59057 BSA RS02230 WP 000912307.1    MLKIENVTGGYVNIPVLKNISFEVNDGELVGLIGLNGAGKSTTINEIIGILRPYQGDITIDGISLEADQELYRKKIGFIPETPSL   85
NTDB id 481 STER RS07730 WP 002951673.1     MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQKIGYIPETPSL   85
NTDB id 473 HSISS4 RS07770 WP 021143710.1   MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQKIGYIPETPSL   85
consensus                                   !!!*!*!!!!!*!!!!!!***!!!*!!!!!!!!!!!!!!!!!!!!!!!!!*!*!!*!*!*!!!*****!***!!*!!!*!!!!!!!

logo                                        YEELTLREHLETVLMAYGLDVTEGMARADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVNPSLFIVDEPFLGLDPLAISD

NTDB id 59057 BSA RS02230 WP 000912307.1    YEELTLREHLETVAMAYDIATDEVMARAQKLLEMFRLTDKLDWFPMHFSKGMKQKVMIICAFVVSPSLFIVDEPFLGLDPLAISD   170
NTDB id 481 STER RS07730 WP 002951673.1     YEELTLREHLETVLMAYGLDVTEGMARADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVNPSLFIVDEPFLGLDPLAISD   170
NTDB id 473 HSISS4 RS07770 WP 021143710.1   YEELTLREHLETVLMAYGLDVTEGMVRADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVNPSLFIVDEPFLGLDPLAISD   170
consensus                                   !!!!!!!!!!!!!!*!!!*****!*!*!!*!*!**!!!**!!!!!!**!!!!!!!!!!!!!!!!!*!*!!!!!!!!!!!!!!!!!!!!

logo                                        LIELLAEEKAKGKSILMSTHVLDSAEKMCDRFVILHHGQILAQGTLEELRQTFGDSSASLNDIYMQLTKGELS

NTDB id 59057 BSA RS02230 WP 000912307.1    LINLLAEEKAKGKSILMSTHVLDSAEKMCDRFVILHKGEIRAVGTLEELRAIFGDSNANLNDIYIALTKEV..   241
NTDB id 481 STER RS07730 WP 002951673.1     LIELLAEEKANGKSILMSTHVLDSAEKMCDRFVILHHGQILAQGTIDELRQTFGDSSASLNDIYMQLTKGELS   243
NTDB id 473 HSISS4 RS07770 WP 021143710.1   LIELLAEEKAKGKAILMSTHVLDSAEKMCDRFVILHHGQVLAQGTLEELRQTFGDDSASLNDIYMQLTKGELS   243
consensus                                   !!*!!!!!!!*!!*!!!!!!!!!!!!!!!!!!!!!!!!!*!***!*!!**!!!**!!!**!*!!!!!**!!!****
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X non conserved
X similar
X ≥ 50% conserved