```
logo
NTDB id 247259 CNN82 RS04505 WP 096479530.1  MIAETPSPSNKQAQRLLRLYHLYRLSVGITLVLLISSNMDNQLLKFANDDLLRNGSWLYLVLNILLVVFLGNTQRPAQLF   80
NTDB id 1472 PAKAF RS23995 WP 016253893.1    MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIF   80
consensus                                    ! !! * *!  !*!!*!!!!!!!!!**!* !!!!!!! ** !*!!  ***! * !!!*!!! !!!* *!!***  * **!

logo

NTDB id 247259 CNN82 RS04505 WP 096479530.1  GLALVDVLLLCGLFYAAGGMASAIGNLLIVSVAISNTLLRGRIGLLIAAVGALGIVGFSFILSFNHPASPSDYLQIGTLG  160
NTDB id 1472 PAKAF RS23995 WP 016253893.1    ILALTDVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLG  160
consensus                                     !!! !!!*!!!!!!!*!!**!*!! !!*! !!! ! !!!!!!!!*!!! * !!**  *! !!  *!  * *!*! ! !!

logo

NTDB id 247259 CNN82 RS04505 WP 096479530.1  ALCFAAALVVQGLTRRLEVSETLAEQRASEVLGLEALNALILQRMRTGILVLDNQRRVQLANHSALTLLGQEKLDGQLID  240
NTDB id 1472 PAKAF RS23995 WP 016253893.1    TLCFAAALVIQALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLG  240
consensus                                     !!!!!!!**!*! !! ! *!!!!! !!  !  !! !!!!!!!!!!!!!!!!*!    * !!!* !! !! !* * !  *

logo

NTDB id 247259 CNN82 RS04505 WP 096479530.1  DYSMPLVERLQLWLNNPTLRPQSLQIASNGLELQPSFIALDQSPHHQTLVFLEDLAQIAQQAQQLKLAALGRLTAGIAHE  320
NTDB id 1472 PAKAF RS23995 WP 016253893.1    RHSPMLMHCMKQWRLNPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHE  320
consensus                                     *!**!****  !  !!*!!!**! * * !* *!!!!! !   **** !*!!!!* !!!!!!!!*!!!*!!!!!!!!!!!

logo

NTDB id 247259 CNN82 RS04505 WP 096479530.1  IRNPLGAISHAAQLLQESEELNGADRRLTQIIQNHSQRMNRVIENVLQLSRRQQTVPQRLDLKPWLEHFVAETREGSKEH  400
NTDB id 1472 PAKAF RS23995 WP 016253893.1    IRNPLGAISHAAQLLQESEELDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRND  400
consensus                                    !!!!!!!!!!!!!!!!!!!!! **!!!!!!!!! *! !!! !!!!!!!!!!! !  !! !!!!*!! *!! ! *   * *

logo

NTDB id 247259 CNN82 RS04505 WP 096479530.1  QQIHLRIGLGNFKTLMDPNQLTQILDNLLRNAWRHSALKHDQAQAWLELFIDPDSQLPTLEVLDDGPGVEPEQRTHLFEP  480
NTDB id 1472 PAKAF RS23995 WP 016253893.1    SELHLQLGAGDIQTRMDPHQLNQVLSNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEP  480
consensus                                     *!! *! !   ! !!!*!! !*! !!* !* !*!!  !  *! !! !  !!*! !! !!**!!!!!!***   *!!!!

logo

NTDB id 247259 CNN82 RS04505 WP 096479530.1  FFTTSSQGTGLGLYLSRELCESNQARLDFKSR.QGGGCFRITFAHGRKQS   529
NTDB id 1472 PAKAF RS23995 WP 016253893.1    FFTTESKGTGLGLYLSRELCESNQARIDYRNREEGGGCFRITFAHPRKLS   530
consensus                                    !!!! ! !!!!!!!!!!!!!!!!!!!*!** !* !!!!!!!!!!!!*!! !
```

X non conserved
X similar
X $\geq$ 50% conserved