```
logo
NTDB id 423169 GN234 RS22760 WP 176689116.1  MSAETSSPREKQTQRLLRLYHLYRLSIGITLVLLISSKLDNRLLEFANDDLLRSGSWLYLVLNILLVVFLENTRRPARLF   80
NTDB id 1472 PAKAF RS23995 WP 016253893.1    MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIF   80
consensus                                    ! !!   * ! ! !!*!!!!!!!!!*!!* !!!!!!! !*  *!   ***! * !!!*!!! !!!* *!!***! * **!

logo

NTDB id 423169 GN234 RS22760 WP 176689116.1  GLALTDVLLLSWLFFAAGGVPSAIGNLLIVSVAIGNTLLRGRVGLLIAAVATIGIVGSTFFLGLSDSNRPSSYLQAGTLG  160
NTDB id 1472 PAKAF RS23995 WP 016253893.1    ILALTDVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLG  160
consensus                                     !!!!!!!*!* !!*!*!!!!!*!! !!*! !!!*! !!!!!*!!*!!! !**!**  !!!! !! *  * *!*!!! !!

logo

NTDB id 423169 GN234 RS22760 WP 176689116.1  ALCFAAALVVQGLTRRLEASETLAEQRASEVIGLEALNALILQRMRTGILVLDRERRVQLANESALNLLGMHDLVGQRID  240
NTDB id 1472 PAKAF RS23995 WP 016253893.1    TLCFAAALVIQALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLG  240
consensus                                     !!!!!!!**!*! !! ! *!!!!! !!  !  !! !!!!!!!!!!!!!!!!*!    * !!!  !! !!  *!* !  *

logo

NTDB id 423169 GN234 RS22760 WP 176689116.1  DYSVALVERLRLWLNNPSLRAQSLTISGTGLALQPSFIALGHNEQHQILVFLEDLAQVAQQAQQLKLASLGRLTAGIAHE  320
NTDB id 1472 PAKAF RS23995 WP 016253893.1    RHSPMLMHCMKQWRLNPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHE  320
consensus                                     *!* !***** !  !!!!!***! * * !* *!!!!! ! * * ***!*!!!!* !*!!!!!!*!!! !!!!!!!!!!!

logo

NTDB id 423169 GN234 RS22760 WP 176689116.1  IRNPLGAISHAAQLLRESEELNDADRRLTQIIQDHSQRMNRVIENVLQLSRRQQTTPQRLDLRTWLEQFVRQAHESMAEH  400
NTDB id 1472 PAKAF RS23995 WP 016253893.1    IRNPLGAISHAAQLLQESEELDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRND  400
consensus                                    !!!!!!!!!!!!!!! !!!!!  *!!!!!!!!!!*! !!! !!!!!!!!!!! !  !! !!!* !!  !!      *  *

logo

NTDB id 423169 GN234 RS22760 WP 176689116.1  QQLHLSIDPGDYTTLMDPDQLTQVLDNLLRNAWRHSAMAHEQAEVWLKLFIDPHSQLSTLDIIDNGPGVTPEQQAHLFEP  480
NTDB id 1472 PAKAF RS23995 WP 016253893.1    SELHLQLGAGDIQTRMDPHQLNQVLSNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEP  480
consensus                                     !!!  * *!!  ! !!!*!! !!! !!* !* !*!! !!  * !!! !  !!*! !* !*!!! !!!!***   *!!!!

logo

NTDB id 423169 GN234 RS22760 WP 176689116.1  FFTTSSQGTGLGLYLSRELCESNQARLDFKPR.QGGGCFRITFAHGRKQI   529
NTDB id 1472 PAKAF RS23995 WP 016253893.1    FFTTESKGTGLGLYLSRELCESNQARIDYRNREEGGGCFRITFAHPRKLS   530
consensus                                    !!!! ! !!!!!!!!!!!!!!!!!!!!*!***!* !!!!!!!!!!!!*!!
```

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