```
logo
NTDB id 182508 A8L59 RS22525 WP 064589243.1  MIAEVDNADSKQAQRLLRLYHLYRLSVGITLVLLISSNMDNRLLTSADDDLLRSGSWLYLVLNILLVVFLEDTRRPAQLF   80
NTDB id 1472 PAKAF RS23995 WP 016253893.1    MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIF   80
consensus                                    ! !!        !*!!*!!!!!!!!!**!* !!!!!!! **  *!   ***! * !!!*!!! !!!* *!!***! * **!

logo

NTDB id 182508 A8L59 RS22525 WP 064589243.1  SLALVDVLLLCGLFYAAGGVASAIGNLLIVSVAISNTLLRRRIGLLIAAIGALGIVGSSFLLGFSHPLSANDYLQAGTLG  160
NTDB id 1472 PAKAF RS23995 WP 016253893.1    ILALTDVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLG  160
consensus                                     !!! !!!*!!!!!!!*!!!*!*!! !!*! !!! ! !!! !!!!*!!! * !!**  *! !  !*!   !*!*!!! !!

logo

NTDB id 182508 A8L59 RS22525 WP 064589243.1  ALCFAASWLVQGLVRRLEVSEHLAEQRASEVISLEALNALILQRMRTGILVLDEQRRVQLANHSAKSLLAQSHLEGHLID  240
NTDB id 1472 PAKAF RS23995 WP 016253893.1    TLCFAAALVIQALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLG  240
consensus                                     !!!!!  **!*!!!! ! *!*!!! !!  !  !! !!!!!!!!!!!!!!!!*!    * !!!* !  !! ! ** !* *

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NTDB id 182508 A8L59 RS22525 WP 064589243.1  DYSKPLVDRLQLWLNNPTLRPQSLKIPGNGLELQPNFIALEQSPDQQTLVFLEDLAQVAQQAQQLKLAALGRLTAGISHE  320
NTDB id 1472 PAKAF RS23995 WP 016253893.1    RHSPMLMHCMKQWRLNPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHE  320
consensus                                     *!**!****  !  !!*!!!**!!*** !* *!! !! !   *!!* !*!!!!* !*!!!!!!*!!!*!!!!!!!! !!

logo

NTDB id 182508 A8L59 RS22525 WP 064589243.1  IRNPLGAISHAAQLLAESEELDSADRRLTQIIQDHSQRMNRVIENVLQLSRRQQSAPQRLDLKPWLEQFVAESREQATDR  400
NTDB id 1472 PAKAF RS23995 WP 016253893.1    IRNPLGAISHAAQLLQESEELDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRND  400
consensus                                    !!!!!!!!!!!!!!! !!!!!! *!!!!!!!!!!*! !!! !!!!!!!!!!! !  !! !!!!*!!  !! ! *

logo

NTDB id 182508 A8L59 RS22525 WP 064589243.1  QLIHLRINSGDFITLMDPDQLTQILDNLLRNGWRHSALLHDPAEVWLVLFIDPDSQLAVLEVQDNGPGVPVDQQPHLFEP  480
NTDB id 1472 PAKAF RS23995 WP 016253893.1    SELHLQLGAGDIQTRMDPHQLNQVLSNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEP  480
consensus                                      *!! *  !!  ! !!!*!! !*! !!* !! !*!!  ! ** !!! !  !!*! !*!!!* ! !!!!! !  **!!!!

logo

NTDB id 182508 A8L59 RS22525 WP 064589243.1  FFTTSSQGTGLGLYLSRELCESNQARLDFKPR.QGGGCFRITFAHGRKQS   529
NTDB id 1472 PAKAF RS23995 WP 016253893.1    FFTTESKGTGLGLYLSRELCESNQARIDYRNREEGGGCFRITFAHPRKLS   530
consensus                                    !!!! ! !!!!!!!!!!!!!!!!!!!!*!***!* !!!!!!!!!!!!*!! !
```

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